

August Sampling Event (8/28/01)

Analytical Data																		
Sample ID	Locale	TSS	TDS	Copper (mg/l)			Lead (mg/l)			Nickel (mg/l)			Zinc (mg/l)					
		(mg/l)	(mg/l)	Qualifier	Total	Qualifier	Dissolved	Qualifier	Total	Qualifier	Dissolved	Qualifier	Total	Qualifier	Dissolved	Qualifier	Total	Qualifier
MTS-1	U/S	0.05	2628	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<
MTS-2	Mixing Zone	14.02	4326	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.016	0.011
MTS-3	Upper Estuary	31.09	8413	J	0.0090	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	J	0.007	J
MTS-R	Discharge	0.55	5572	J	0.0060	J	0.006	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.011	0.011
MTS-DUP	Dup MTS-3	40.46	8477	J	0.0060	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	J	0.006	J

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	0910	7.85	3.17	0.0	8.16	19.2	1.5	0.5	
MTS-2	Surface	1300	8.10	6.50	3.0	8.60	24.0	12.0	1.0	
MTS-3 (MZ-3)	Surface	1015	8.39	13.30	23.0	14.17	19.9	7.7	0.10	
MTS-R	Surface	1500	7.20	2.20	0.0	5.70	24.0	1.0	1.0	
MZ-4	1ft.	1100	8.29	19.40	7.0	15.17	21.2	10.6	2.5	
	2ft.	1100	8.26	31.50	11.0	15.72	22.0	21.3	2.5	
MZ-5	1ft.	1115	8.45	25.50	27.0	19.12	22.4	18.0	2.5	
	2ft.	1115	8.38	35.20	15.0	16.03	22.2	22.0	2.5	
MZ-6	Surface	1135	7.40	2.94	52.0	5.23	23.5	1.4	1.0	
MZ-1	Surface	1200	7.21	2.18	7.0	3.51	23.5	1.0	2.0	
MZ-2	Surface	1215	7.21	2.18	2.0	4.18	23.5	1.0	1.0	

Notes:

The Mixing Zone (MTS-2) was sampled near MZ-1

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 3.8 ft. at 0831, 5.4 at 1906
Low 0.2 ft at 0140, 2.7 ft. at 1300

Qualifiers:

J : estimated value

<: non-detect