

September Sampling Event (9/26/01)

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	Dissolved
MTS-1	U/S	1.62	2632	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005
MTS-2	Mixing Zone	1.88	1818	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.012	<	0.010
MTS-3	Upper Estuary	6.03	3504	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.010	<	0.009
MTS-R	Discharge	1.46	1502	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.015	<	0.010
MTS-DUP	Dup MTS-2	1.46	1714	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.014	<	0.010

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	0830	8.0	3.2	0.0	8.0	16.0	2.0	0.5	
	1ft.	1300	7.2	5.5	1.0	2.1	22.0	2.0	5.0	
MTS-2 (MZ-1)	2ft.	1300	8.2	5.5	1.0	11.1	22.0	3.0	5.0	
	3ft.	1300	8.3	6.1	2.0	12.5	23.0	3.0	5.0	
	4ft.	1300	8.6	6.2	3.0	11.6	23.0	3.0	5.0	
MTS-3 (MZ-7)	1ft.	1021	8.5	5.2	2.0	11.0	22.0	3.0	3.5	
	2ft.	1021	8.4	5.2	1.0	10.7	21.0	3.0	3.5	
	3ft.	1021	8.4	5.3	1.0	9.8	21.0	3.0	3.5	
MTS-R(MZ-R)	Surface	0900	7.1	2.2	0.0	5.3	22.0	1.0	1.0	
	1ft.	1030	8.6	5.8	1.0	12.0	22.0	3.0	6.0	
	2ft.	1030	8.5	5.9	1.0	12.2	22.0	3.0	6.0	
MZ-3	3ft.	1030	8.6	5.9	1.0	12.3	21.0	3.0	6.0	
	4ft.	1030	8.5	5.9	1.0	12.1	21.0	3.0	6.0	
	5ft.	1030	8.5	6.0	1.0	11.8	21.0	3.0	6.0	
	1ft.	1038	8.6	5.7	1.0	11.9	22.0	3.0	6.0	
	2ft.	1038	8.5	5.8	1.0	11.9	22.0	3.0	6.0	
	3ft.	1038	8.5	5.8	2.0	11.8	22.0	3.0	6.0	
MZ-4	4ft.	1038	8.5	5.8	2.0	12.2	22.0	3.0	6.0	
	5ft.	1038	8.5	5.9	1.0	12.2	21.0	3.0	6.0	
MZ-5	1ft.	1111	8.6	5.8	1.0	11.8	22.0	3.0	1.8	
	1ft.	1125	7.8	4.8	1.0	8.2	22.0	2.0	4.0	
	2ft.	1125	8.0	5.2	1.0	10.2	22.0	3.0	4.0	
MZ-6	3ft.	1125	8.6	6.0	2.0	12.3	22.0	3.0	4.0	
	1ft.	1055	8.5	5.5	1.0	11.3	22.0	3.0	4.0	
	2ft.	1055	8.4	5.5	1.0	11.3	21.0	3.0	4.0	
MZ-8	3ft.	1055	8.4	5.5	1.0	11.2	21.0	3.0	4.0	

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.

MZ-8 is a new mixing zone test point near the salt marsh

Conditions:

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

Tides:

High 4.1 ft. at 0805, 4.9 at 1844

Low 0.2 ft at 0105, 2.8 ft. at 1301

Qualifiers:

J : estimated value

<: non-detect