

October Sampling Event (10/29/01)

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	8.10	2512	J	0.002	J	0.002	<	0.0005	<	0.0005	J	0.004	J	0.004	J	0.002	J	0.002
MTS-2	Mixing Zone	6.20	1914	J	0.001	J	0.001	<	0.0005	<	0.0005	J	0.003	J	0.003	J	0.011	J	0.011
MTS-3	Upper Estuary	8.50	2314	J	0.002	J	0.002	<	0.0005	<	0.0005	J	0.003	J	0.003	J	0.008	J	0.008
MTS-R	Discharge	6.30	1558	J	0.001	J	0.001	<	0.0005	<	0.0005	J	0.002	J	0.002	J	0.019	J	0.019
MTS-DUP	Dup MTS-2	6.10	1960	J	0.002	J	0.002	<	0.0005	<	0.0005	J	0.002	J	0.002	J	0.008	J	0.008

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	0925	8.19	3.13	4.0	8.34	16.7	1.5	0.5	
	1ft.	1320	7.51	2.90	5.0	4.11	19.3	1.4	6.0	
	2ft.	1320	7.44	2.92	5.0	4.11	19.0	1.4	6.0	
MTS-2 (MZ-1)	3ft.	1320	7.44	2.93	5.0	3.94	18.9	1.4	6.0	
	4ft.	1320	7.48	2.95	4.0	4.10	18.9	1.4	6.0	
	5ft.	1320	7.5	3.06	5.0	4.22	19.0	1.5	6.0	
MTS-3 (MZ-7)	1ft.	1120	8.05	3.24	4.0	5.04	18.6	1.6	2.0	
	1.5ft	1120	7.97	3.24	4.0	5.20	18.6	1.6	2.0	
	Surface	1505	7.26	2.24	6.0	5.21	20.7	1.0	0.5	
MTS-R(MZ-R)	1ft.	1130	8.06	3.24	4.0	5.81	18.6	1.6	6.0	
	2ft.	1130	8	3.23	4.0	5.98	18.6	1.6	6.0	
	3ft.	1130	7.93	3.23	4.0	6.22	18.5	1.6	6.0	
MZ-3	4ft.	1130	7.94	3.23	4.0	6.21	18.5	1.6	6.0	
	5ft.	1130	7.94	3.23	4.0	7.50	18.3	1.6	6.0	
	1ft.	1152	8.1	3.27	4.0	6.04	18.70	1.6	7.0	
MZ-4	2ft.	1152	7.91	3.27	4.0	6.11	18.70	1.6	7.0	
	3ft.	1152	7.91	3.27	4.0	6.11	18.60	1.6	7.0	
	4ft.	1152	7.91	3.27	4.0	6.17	18.60	1.6	7.0	
MZ-5	5ft.	1152	7.89	3.27	3.0	6.01	18.40	1.6	7.0	
	1ft.	1222	7.98	3.25	4.0	6.23	18.4	1.6	3.5	
	2ft.	1222	8.06	3.25	5.0	6.28	18.5	1.6	3.5	
MZ-6	3ft.	1222	8.07	3.25	5.0	6.16	18.5	1.6	3.5	
	1ft.	1240	7.69	2.92	4.0	3.82	18.9	1.4	4.5	
	2ft.	1240	7.58	2.92	4.0	3.93	18.8	1.4	4.5	
MZ-8	3ft.	1240	7.48	2.94	5.0	3.86	18.8	1.4	4.5	
	4ft.	1240	7.55	3.00	6.0	3.59	18.8	1.4	4.5	
	1ft.	1210	8.10	3.24	4.0	6.26	18.7	1.6	5.0	
MZ-2	2ft.	1210	8.05	3.24	4.0	6.45	18.7	1.6	5.0	
	3ft.	1210	7.96	3.24	4.0	6.33	18.7	1.6	5.0	
	4ft.	1210	7.89	3.24	3.0	6.12	18.5	1.6	5.0	
MZ-2	1ft.	1305	7.24	2.25	5.0	1.47	18.0	1.0	4.5	
	2ft.	1305	7.10	2.23	4.0	1.00	17.6	1.0	4.5	
	3ft.	1305	7.02	2.22	3.0	0.00	16.7	1.0	4.5	
	4ft.	1305	7.03	2.24	3.0	0.30	16.5	1.0	4.5	

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 5.1 ft. at 0748, 4.5 at 2001

Low 0.8 ft at 0129, 1.0 ft. at 1403

Qualifiers:

J : estimated value

<: non-detect