

December Sampling Event (12/05/01)

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	Dissolved
MTS-1 (A)	U/S	3.88	2062	J	0.0019	J	0.0018	<	0.0005	<	0.0005	J	0.0040	J	0.0038	J	0.0056	J	0.0043
MTS-2	Mixing Zone	24.39	14432	J	0.0027	J	0.0021	<	0.0005	<	0.0005	J	0.0028	J	0.0016		0.0137		0.0120
MTS-3	Upper Estuary	23.69	2820	J	0.0040	J	0.0029	<	0.0005	<	0.0005	J	0.0051	J	0.0044	J	0.0077	J	0.0059
MTS-R	Discharge	16.17	1346	J	0.0050	J	0.0044	<	0.0005	<	0.0005	J	0.0036	J	0.0029		0.0315		0.0281
MTS-DUP	Duplicate	20.71	3394	J	0.0040	J	0.0037	<	0.0005	<	0.0005	J	0.0038	J	0.0030		0.0216		0.0207
MTS-M	Near Mouth	9.4	4434	J	0.0026	J	0.0024	<	0.0005	<	0.0005	J	0.0030	J	0.0027		0.0136		0.0135
MTS-MO	In Mouth (Outlet)	36.4	35138	J	0.0005	J	0.0005	<	0.0005	<	0.0005	J	0.0011	J	0.0008	J	0.0060	J	0.0018
Water Quality Parameter																			
Sample ID	Locale	Time	pH	Cond. (ms/cm)		Turbidity (NTU)		DO (mg/l)		Temp. (C)		Sal. (ppt)		Tot. Depth (ft.)					
MTS-1	Surface	920	8.24	2.60		5.0		5.23		12.2		1.20		0.5					
MTS-2(MZ-7)	1ft.	1230	8.22	28.40		27.0		5.77		14.8		13.30		1.5					
MTS-3	Surface	1250	8.3	3.41		9.0		5.18		16.1		1.70		0.25					
MTS-R(MZ-R)	Surface	1400	7.87	2.1		22.0		5.01		16.7		1.00		1.0					
	1ft.	930	8.34	11.0		24.0		5.12		13.5		5.3		2.5					
MTS-M	2ft.	930	8.47	34.8		21.0		5.32		14.0		21.9		2.5					
MTS-M-O	1ft.	1015	8.74	46.9		39.0		6.58		13.9		30.2		1.75					
MZ-1	1ft.	1110	7.95	2.14		22.0		4.88		16.2		1.0		1.0					
MZ-2	1ft.	1100	7.92	12.3		70.0		1.74		14.7		8.8		1.0					
MZ-4	1ft.	1030	8.52	36.4		46.0		5.96		13.6		21.9		1.0					
MZ-5	1ft.	1040	8.65	42.2		46.0		6.58		13.9		28.8		1.0					
MZ-6	Surface	1055	8.03	2.25		26.0		4.92		16.2		1.0		0.5					
	1ft.	1020	8.44	34.00		28.0		5.70		13.6		21.0		3.0					
MZ-8																			
	2ft.	1020	8.51	40.20		33.0		5.96		14.3		25.2		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.

MTS-M is a new sampling location developed in order to characterize the estuary environment near the outlet

MTS-MO is a sampling location directly within the tidal outlet of the estuary. This point is sampled during OPEN conditions

MZ-2 was a backwater pond, cut off from flow.

Conditions:

The Estuary was open, with a rising tide during this Metals Translator sampling event.

Tides:

High 3.63 ft. at 01:35; 5.35 ft. at 11:42

Low 2.99 at 05:40; -0.27 ft. at 19:34

Qualifiers:

J : estimated value

<: non-detect