

January Sampling Event (01/08/02)

Analytical Data																		
Sample ID	Locale	TSS (mg/l)	TDS (mg/l)	Qualifier	Copper (mg/l)			Lead (mg/l)			Nickel (mg/l)			Zinc (mg/l)				
					Total	Qualifier	Dissolved	Qualifier	Total	Qualifier	Dissolved	Qualifier	Total	Qualifier	Dissolved	Qualifier	Total	Qualifier
MTS-1	U/S	1.32	2124	J	0.0032	J	0.0080	<	0.0005	<	0.0005	J	0.0087	J	0.0094		0.0263	0.0209
MTS-2	Mixing Zone	11.29	6379	J	0.0078	J	0.0076	<	0.0005	<	0.0005	J	0.0047	J	0.0059		0.0365	0.0294
MTS-3	Upper Estuary	6.08	5200	J	0.0071	J	0.0085	<	0.0005	<	0.0005	J	0.0065	J	0.0074	J	0.0143	0.0057
MTS-R	Discharge	14.31	1400	J	0.0074	J	0.0088	<	0.0005	<	0.0005	J	0.0049	J	0.0047		0.0597	0.0513
MTS-DUP	Duplicate	9.49	3372	J	0.0124	J	0.0042	<	0.0005	<	0.0005	J	0.0046	J	0.0045		0.0319	0.0125
MTS-M	Near Mouth	8.91	12932	J	0.0064		0.0104	<	0.0005	<	0.0005	J	0.0042	J	0.0042		0.0128	0.0360
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	0930	8.69		2.76		5.0		6.00		13.3		1.30		0.8			
	1ft.	1300	9.05		26.00		16.0		6.39		15.6		12.90		3.0			
MTS-2	2ft.	1300	8.91		26.10		34.0		5.98		15.4		18.10		3.0			
	3ft.	1300	9.00		29.90		32.0		6.71		15.6		19.80		3.0			
MTS-3	1ft.	1115	9.16		7.88		20.0		8.73		12.1		4.20		2.0			
MTS-R(MZ-R)	1ft.	1015	8.12		2.18		19.0		4.40		17.2		1.00		1.0			
MTS-M	1ft.	1340	9.01		21.6		14.0		5.93		14.9		12.30		2.3			
	2ft.	1340	9.01		26.2		23.0		5.94		14.8		17.70		2.3			
MZ-1	1ft.	1235	8.97		24.1		14.0		5.67		15.8		14.10		2.5			
	2ft.	1235	9.01		31.9		35.0		7.01		15.5		19.60		2.5			
MZ-2	1ft.	1250	8.65		10.8		24.0		6.01		15.8		6.00		2.5			
	2ft.	1250	8.77		26.8		31.0		5.58		15.7		17.50		2.5			
	1ft.	1255	8.05		3.27		12.0		4.07		17.0		1.50		3.0			
MZ-1A	2ft.	1255	9.03		30.3		36.0		6.89		15.5		18.00		3.0			
	3ft.	1255	9.08		33.3		34.0		7.47		15.7		20.70		3.0			
	1ft.	1135	9.21		9.5		7.0		6.58		13.3		5.20		3.5			
MZ-3	2ft.	1135	9.06		25.5		13.0		6.83		14.6		15.00		3.5			
	3ft.	1135	9.00		32.2		21.0		6.34		14.9		22.60		3.5			
	1ft.	1200	9.03		13.8		8.0		5.81		14.1		7.60		4.0			
MZ-4	2ft.	1200	8.99		20.1		9.0		6.11		14.3		17.00		4.0			
	3ft.	1200	8.99		32.8		22.0		6.09		14.2		19.20		4.0			
MZ-5	1ft.	1325	9.07		23.30		16.0		6.02		14.70		14.80		2.5			
	2ft.	1325	9.03		26.90		24.0		5.98		14.70		19.90		2.5			
MZ-6	1ft.	1215	9.05		18.00		13.0		6.30		15.40		10.10		2.5			
	2ft.	1215	9.12		26.50		31.0		7.83		15.30		16.40		2.5			
	1ft.	1400	9.10		16.20		16.0		5.94		14.9		9.30		3.2			
MZ-8	2ft.	1400	9.13		24.30		12.0		6.63		14.7		15.40		3.2			
	3ft.	1400	9.03		34.40		16.0		7.10		15.0		22.10		3.2			

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.

MTS-MO was not sampled because the mouth is not open.

Conditions:

75% inundated. Estuary has been impounded for approximately 2 weeks. Campground is open and dry.

Tides:

High 5.64 ft. at 05:19; 3.34 ft. at 18:46

Low 0.14 ft. at 12:40; 1.9 ft. at 23:37

Qualifiers:

J : estimated value

<: non-detect