

May Sampling Event (5/25/01)

Analytical Data																			
Sample ID	Locale	TSS (mg/l)	TDS (mg/l)	Copper (mg/l)				Lead (mg/l)				Nickel (mg/l)				Zinc (ug/l)			
				Qualifier	Total	Qualifier	Dissolved	Qualifier	Total	Qualifier	Dissolved	Qualifier	Total	Qualifier	Dissolved	Qualifier	Total	Qualifier	Dissolved
MTS-1	U/S	5.12	1430	J	0.0046	J	0.0010	<	0.0005	<	0.0005	J	0.0015	J	0.0018	<	0.0005	<	0.0005
MTS-2	Mixing Zone	26.16	1744	J	0.0047	J	0.0037	<	0.0005	<	0.0005	J	0.0031	J	0.0023	<	0.0204	<	0.0173
MTS-3	Upper Estuary	6.92	1738	J	0.0044	J	0.0040	<	0.0005	<	0.0005	J	0.0038	J	0.0038	J	0.0044	J	0.0010
MTS-R	Discharge	9.32	1240	J	0.0025	J	0.0033	<	0.0005	<	0.0005	J	0.0022	J	0.0024		0.0319		0.0327
MTS-DUP	Dup MTS-R	6.76	1244	J	0.0010	J	0.0010	<	0.0005	<	0.0005	J	0.0023	J	0.0032		0.0320		0.0810

Water Quality Parameters															
Sample ID	Locale	Time	pH	Qualifier	Cond. (ms/cm)	Qualifier	Turbidity (NTU)	Qualifier	DO (mg/l)	Qualifier	Temp. (C)	Qualifier	Sal. (ppt)	Qualifier	Tot. Depth (ft.)
MTS-2 (MZ-1)	Surface	1400	7.91		2.92	<	10		11.55		24.3		1.4		1.0
	1 ft.	1400	7.99		4.50	<	10		13.50		23.5		2.6		1.0
MTS-3 (MZ-7)	Surface	1030	7.65		2.50	<	10		10.95		18.5		1.2		0.4
MTS-R (MZ-R)	Surface	1535	7.61		2.09	<	10		8.76		23.1		1.0		1.0
MZ-3	Surface	1113	8.47		8.50	<	10		16.47		20.2		4.7		0.5
MZ-4	Surface	1137	8.25		7.28	<	10		16.75		21.7		3.9		0.4
	Surface	1200	8.17		4.01	<	10		10.26		19.2		2.2		3.0
MZ-5	1 ft.	1200	8.02		10.00	<	10		8.13		19.2		12.9		3.0
	2 ft.	1200	7.91		39.5	<	10		5.74		18.7		25.9		3.0
MZ-6	Surface	1250	7.60		2.10	<	10		8.16		23		1		1.0
MZ-2	Surface	1300	8.96		3.37	<	10	>	19.99		22.6		1.6		0.5

Notes:

The Mixing Zone (MTS-2) was sampled at 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:

Estuary mouth open with ocean interchange. Santa Clara river flowing to estuary

Tides:

High 3.4 ft. at 1316, 6.0 at 1140

Low -1.1 ft at 0626, 2.4 ft. at 1720

Qualifiers:

J : estimated value

<: non-detect