

Table 1-2
Concentrations of Dissolved Copper, Silver and TSS in Samples Collected During Monitoring Event #1 of the Providence River Dredging Monitoring. Samples were collected on 20 May 2003.

Laboratory Sample ID	Sample Location ID	Position in Water Column	Analytical Results		
			Dissolved Ag ($\mu\text{g/L}$)	Dissolved Cu ($\mu\text{g/L}$)	TSS (mg/L)
0305086-10	PRO1 DRG1-T	Surface	<0.5 ^a	0.72	37
0305086-11	PRO1 DRG1-M	Mid-depth	<0.5 ^a	0.94	24
0305086-12	PRO1 DRG 1-B	Bottom	<0.5 ^a	1.0	18
0305086-01	PRO1 CM1-T	Surface	<0.5 ^a	1.0	27
0305086-02	PRO1 CM1-M	Mid-depth	<0.5 ^a	1.1	18
0305086-03	PRO1 CM1-B	Bottom	<0.5 ^a	0.70	47
0305086-04	PRO1 CM2-T	Surface	<0.5 ^a	1.4	21
0305086-05	PRO1 CM2-M	Mid-depth	<0.5 ^a	1.0	17
0305086-06	PRO1 CM2-B	Bottom	<0.5 ^a	0.69	20
0305086-13	PRO1 UCR1-T	Surface	<0.5 ^a	2.1	10
0305086-14	PRO1 UCR1-M	Mid-depth	<0.5 ^a	1.1	15
0305086-15	PRO1 UCR1-B	Bottom	<0.5 ^a	0.56	18

^a Measured concentrations were less than the reporting limit for Dissolved Ag of 0.5 $\mu\text{g/L}$.

*Water Quality Standards for the State of Rhode Island for protecting marine organisms from acute toxicity are as follows: Ag - 1.9 $\mu\text{g/L}$; Cu - 4.8 $\mu\text{g/L}$.

Table 1-3
Results of the of Sea Urchin (*Arbacia punctulata*) Fertilization Test with Samples Collected During Monitoring Event #1 of the Providence River Dredging Monitoring. Samples were collected on 20 May 2003.

Sample Location Description	Mean % Fertilization
PRO1-DGR-1	98.4
PRO1 UCR-1	98.6
PRO1-CM	99.6
PRO1-FP	98.8
Artificial Seawater Control ^a	98.6
Natural Seawater Control ^b	97.6

^aArtificial seawater control was required since samples were fortified with artificial sea salts to achieve the required salinity of 30 ± 2 ppt.

^bNatural seawater control is the standard laboratory control.

Table 1-4
Results of the of Sea Urchin (*Arbacia punctulata*) Embryo Survival and Development Test with Samples Collected During Monitoring Event #1 of the Providence River Dredging Monitoring. Samples were collected on 20 May 2003.

Sample Location Description	Mean % Normal Embryo Development	Mean % Embryo Survival
PRO1 DRG1	97.4	96
PRO1-UCR1	96.8	100
PRO1 CM	94	100
PRO FP	94.2	97
Artificial Seawater Control ^a	95	100
Natural Seawater Control ^b	99.2	97

^aArtificial seawater control was required since samples were fortified with artificial sea salts to achieve the required salinity of 30 ± 2 ppt.

^bNatural seawater control is the standard laboratory control.