

Surface Water Dissolved Nutrients

date	Station	DANR Lab #	MSI Lab #	depth interval	salinity	porewater TKN (umol L-1)	porewater N+N (umol L-1)	porewater NH4 (umol L-1)	porewater SRP (umol L-1)	porewater TDP (umol L-1)
9/23/2002	1	15	2014	8-10	0	557.1	1.2	139.9	32.4	38.4
9/23/2002	1	21	2020	6-8	0	704.3	2.2	122.4	90.1	95.6
9/23/2002	1		n/a	5-6	0	.	.	.	.	.
9/23/2002	1	3	2002	4-5	0	979.6	.	260.0	91.2	94.1
9/23/2002	1	2	2001	3-4	0	700.5	.	437.1	79.4	82.6
9/23/2002	1	4	2003	2-3	0	571.4	.	446.6	47.2	51.7
9/23/2002	1	16	2015	1-2	0	657.1	.	391.3	47.9	51.2
9/23/2002	1	11	2010	0-1	0	438.2	.	216.8	32.3	31.1
9/23/2002	1B	24	2023	8-10	0	785.7	2.4	753.9	69.9	78.1
9/23/2002	1B	22	2021	6-8	0	785.7	.	658.0	81.3	89.4
9/23/2002	1B	10	2009	5-6	0	661.2	4.7	554.2	27.0	.
9/23/2002	1B	9	2008	4-5	0	514.3	3.2	495.5	97.6	.
9/23/2002	1B	8	2007	3-4	0	914.3	4.8	565.6	80.5	83.2
9/23/2002	1B	18	2017	2-3	0	948.2	.	786.7	93.8	95.9
9/23/2002	1B	5	2004	1-2	0	636.8	.	666.5	71.9	74.2
9/23/2002	1B	19	2018	0-1	0	885.7	4.3	684.3	69.8	79.6
9/23/2002	7	17	2016	8-10	0	1432.9	2.8	1167.1	193.7	201.9
9/23/2002	7	23	2022	6-8	0	1328.6	.	1476.3	163.6	176.4
9/23/2002	7	13	2012	5-6	0	776.5	2.5	1508.8	187.5	193.3
9/23/2002	7	20	2019	4-5	0	1100.0	1.9	1177.4	170.5	170.8
9/23/2002	7	14	2013	3-4	0	814.3	1.4	852.9	134.7	132.4
9/23/2002	7	12	2011	2-3	0	642.9	.	562.1	145.0	138.8
9/23/2002	7	7	2006	1-2	0	328.6	.	221.5	104.6	105.5
9/23/2002	7	6	2005	0-1	0	242.9	0.8	39.1	56.1	57.0
9/24/2002	5	25	2024	8-10	0	300.0	1.2	115.3	25.8	30.9
9/24/2002	5	26	2025	6-8	0	344.9	1.0	121.4	19.2	24.8
9/24/2002	5	38	2037	5-6	0	475.0	2.0	80.5	7.7	12.8
9/24/2002	5	40	2039	4-5	0	305.4	1.4	78.4	9.1	13.1
9/24/2002	5	39	2038	3-4	0	485.7	.	65.6	6.5	13.9
9/24/2002	5	35	2034	2-3	0	298.6	0.9	49.8	6.3	8.9
9/24/2002	5	29	2028	1-2	0	342.9	1.1	49.2	3.4	9.0
9/24/2002	5	28	2027	0-1	0	240.0	1.0	59.1	3.0	7.2
9/24/2002	6	37	2036	8-9.5	0	442.9	1.6	237.5	22.5	30.3
9/24/2002	6	36	2035	6-8	0	473.9	1.1	228.1	13.3	20.7
9/24/2002	6	33	2032	5-6	0	928.6	3.2	176.6	13.1	17.5
9/24/2002	6	41	2040	4-5	0	337.1	1.7	147.0	11.4	14.0
9/24/2002	6	31	2030	3-4	0	560.0	.	169.3	13.9	21.3
9/24/2002	6	34	2033	2-3	0	655.4	0.9	207.5	13.7	17.7

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9/24/2002	6	30	2029	1-2	0	535.7	1.9	151.5	13.1	16.9
9/24/2002	6	32	2031	0-1	0	392.9	1.4	120.8	10.1	14.2
9/24/2002	8	44	2043	0-8	0	157.1	.	33.4	18.8	21.5
9/24/2002	10	43	2042	0-8	0	292.9	2.4	11.0	4.4	26.2
9/24/2002	9	45	2044	0-8	0	264.3	0.8	43.7	4.6	8.7
9/23/2002	FB	1	2000	.	0		1.3	2.2	0.2	0.6
9/24/2002	FB	27	2026	.	0	11.4	0.3	1.3	0.2	0.3
2/4/2003	1	12	2062	8-10	11	517.0	4.3	302.5	92.4	100.2
2/4/2003	1	14	2064	6-8	9	257.1	5.9	382.6	87.2	97.3
2/4/2003	1	25	2075	5-6	.	257.1	7.6	526.5	35.4	40.0
2/4/2003	1	6	2056	4-5	10	638.9	4.2	705.8	139.9	132.5
2/4/2003	1	10	2060	3-4	11	304.5	5.4	808.0	116.7	121.7
2/4/2003	1	5	2055	2-3	9	700.0	2.9	822.7	147.3	137.4
2/4/2003	1	8	2058	1-2	9	200.0	4.8	645.1	130.0	135.7
2/4/2003	1	22	2072	0-1	6	457.1	2.8	395.7	118.8	128.1
2/4/2003	2	23	2073	8-10	12	1159.3	5.4	749.7	74.0	79.7
2/4/2003	2	21	2071	6-8		91.5	16.6	669.2	58.7	61.9
2/4/2003	2	31	2081	5-6	13	.	5.6	688.1	46.6	51.8
2/4/2003	2	18	2068	4-5	11	913.5	6.5	633.7	69.7	72.8
2/4/2003	2	28	2078	2-3	7	975.0	7.3	317.3	26.9	29.1
2/4/2003	2	30	2080	2-3	7	0.0	2.9	772.5	165.2	169.9
2/4/2003	2	17	2067	1-2		366.1	10.3	141.6	31.6	34.7
2/4/2003	2	24	2074	0-1	5	852.8	3.4	36.2	43.3	48.1
2/4/2003	7	.	.	8-10	.	.	.	.	.	.
2/4/2003	7	16	2066	6-8	8	219.1	3.4	992.8	265.2	255.3
2/4/2003	7	.	.	5-6	.	.	.	.	.	.
2/4/2003	7	15	2065	4-5	5	1067.6	9.3	1029.8	253.0	285.8
2/4/2003	7	27	2077	3-4	7	805.7	3.0	952.8	258.4	257.2
2/4/2003	7	29	2079	3-4	7	1288.8	6.7	427.6	22.4	23.2
2/4/2003	7	32	2082	1-2	7	87.2	3.2	537.9	145.8	156.7
2/4/2003	7	20	2070	0-1	7	501.4	3.9	194.9	97.8	104.6
2/4/2003	1B	13	2063	8-10	7	1858.4	5.3	386.5	37.2	36.6
2/4/2003	1B	.	n/a	6-8	.	.	.	.	.	.
2/4/2003	1B	.	n/a	5-6	.	.	.	.	.	.
2/4/2003	1B	19	2069	4-5		905.2	14.6	447.3	13.6	18.0
2/4/2003	1B	9	2059	3-4	10	285.7	3.1	414.7	35.0	37.0

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2/4/2003	1B	11	2061	2-3		432.6	5.6	282.6	21.3	23.0
2/4/2003	1B	7	2057	1-2	8	642.9	3.0	288.0	43.6	45.6
2/4/2003	1B	26	2076	0-1	2	128.6	0.5	178.1	85.7	93.1
2/5/2003	5	38	2089	8-10	12	107.1	1.0	74.8	13.6	15.7
2/5/2003	5	52	2103	6-8	11	150.0	0.7	83.7	14.0	13.2
2/5/2003	5	37	2088	5-6	16	128.6	3.7	76.2	11.8	13.7
2/5/2003	5	34	2085	4-5	11	75.0	2.0	75.1	11.5	12.6
2/5/2003	5	36	2087	3-4	13	306.2	5.5	101.8	10.8	12.3
2/5/2003	5	45	2096	2-3	11	238.8	3.6	85.5	8.0	8.8
2/5/2003	5	35	2086	1-2	11	79.6	3.0	93.4	12.1	14.0
2/5/2003	5	48	2099	0-1	9	265.3	3.4	53.6	12.7	14.2
2/5/2003	5B	40	2091	8-10	15	50.0	1.3	79.4	16.0	18.6
2/5/2003	5B	50	2101	6-8	11	121.4	0.5	86.7	7.2	8.3
2/5/2003	5B	42	2093	5-6	12	128.6	2.6	97.4	6.2	7.8
2/5/2003	5B	39	2090	4-5	17	79.6	3.0	102.0	12.3	13.7
2/5/2003	5B	41	2092	3-4	10	128.6	2.6	111.1	12.8	13.9
2/5/2003	5B	43	2094	2-3	15	416.7	2.5	110.2	9.4	10.7
2/5/2003	5B	44	2095	1-2	11	106.1	2.9	106.1	10.6	11.6
2/5/2003	5B	46	2097	0-1	11	191.7	2.7	42.3	10.2	11.5
2/5/2003	6	53	2104	8-10	7	265.3	.	.	.	.
2/5/2003	6	51	2102	6-8	9	200.0	3.3	244.7	15.3	18.2
2/5/2003	6	56	2107	5-6	6	85.7	.	.	.	.
2/5/2003	6	54	2105	4-5	9	305.4	.	.	.	.
2/5/2003	6	55	2106	3-4	11	246.0	.	.	.	.
2/5/2003	6	49	2100	2-3	8	219.9	3.5	223.1	22.2	23.0
2/5/2003	6	57	2108	1-2	9	13.3	.	.	.	.
2/5/2003	6	47	2098	0-1	7	71.3	1.7	94.6	31.36456317	33.2
2/4/2003	FB	4	2054	.	.	2.7	2.5	0.8	0.1	-0.0
2/5/2003	FB	33	2084	.	.	4.3	2.8	3.2	0.1	0.1
1/31/2003	8	1	2051	0-8	12	7.1	259.4	4.4	17.3	18.7
1/31/2003	9	3	2053	0-8	16	300.0	161.6	1.1	8.7	8.9
1/31/2003	10	2	2052	0-8	11	507.1	254.2	3.0	14.3	15.1
4/22/2003	1	7	2116	8-10	0	600.0	3.8	517.2	36.9	36.8
4/22/2003	1	16	2125	6-8	0	663.2	4.8	542.4	20.1	19.1
4/22/2003	1	.	.	5-6
4/22/2003	1	15	2124	4-5	0	1158.9	10.1	1203.5	32.0	32.3

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4/18/2003	8	1	2110	0-8	20	557.1	1.6	230.0	17.6	17.2
4/18/2003	10	2	2111	0-8	20	135.7	87.2	44.7	9.7	13.5
4/18/2003	9	3	2112	0-8	27	192.9	1.1	73.0	19.4	26.0
4/22/2003	FB	4	2113	.	.	14.3	.	.	.	.
7/11/2003	1	7	2151	8-10	4	950.0	2.4	857.5	55.3	59.6
7/11/2003	1	6	2150	6-8	4	1085.7	3.5	1011.4	71.7	75.2
7/11/2003	1	11	2155	5-6	22	.	3.1	1232.4	44.6	35.4
7/11/2003	1	37	2181	4-5	0	1178.6	1.4	2279.0	27.5	33.7
7/11/2003	1	15	2159	3-4	9	1468.7	3.2	1555.1	131.9	146.6
7/11/2003	1	19	2163	2-3	14	1619.3	4.3	1460.5	134.5	129.3
7/11/2003	1	9	2153	1-2	18	1260.9	1.9	1239.7	149.5	163.7
7/11/2003	1	28	2172	0-1	0	259.9	3.3	46.3	58.4	56.8
7/11/2003	2	5	2149	8-10	19	.	0.7	382.3	39.6	39.6
7/11/2003	2	.	.	6-8	0	0.0	.	.	.	.
7/11/2003	2	.	.	5-6	0	0.0	.	.	.	.
7/11/2003	2	.	.	4-5	0	0.0	.	.	.	.
7/11/2003	2	14	2158	3-4	20	.	3.0	411.9	15.8	.
7/11/2003	2	12	2156	2-3	11	400.0	1.3	342.2	48.9	22.5
7/11/2003	2	8	2152	1-2	12	326.7	2.2	233.3	23.8	26.8
7/11/2003	2	10	2154	0-1	10	118.1	2.8	58.5	28.6	29.3
7/11/2003	3	13	2157	0-1	9	194.1	3.4	115.5	37.8	0.0
7/11/2003	5	38	2182	8-10	7	200.0	0.3	130.3	10.4	11.7
7/11/2003	5	36	2180	6-8	9	250.0	0.6	149.2	15.8	18.2
7/11/2003	5	31	2175	5-6	6	246.9	1.3	139.2	12.0	19.1
7/11/2003	5	21	2165	4-5	4	228.6	2.8	142.7	11.5	13.6
7/11/2003	5	17	2161	2-3	12	175.9	1.5	128.4	21.0	22.2
7/11/2003	5	18	2162	2-3	11	350.0	2.6	194.3	16.9	20.2
7/11/2003	5	16	2160	1-2	12	84.3	1.0	16.7	23.2	25.6
7/11/2003	5	22	2166	0-1	0	119.4	1.7	0.9	29.7	31.9
7/11/2003	6	24	2168	8-10	0	263.4	.	146.1	22.6	24.1
7/11/2003	6	23	2167	6-8	21	257.1	17.5	130.0	17.8	20.0
7/11/2003	6	.	.	5-6	.	.	.	.	.	.
7/11/2003	6	.	.	4-5	.	.	.	.	.	.
7/11/2003	6	29	2173	3-4	0	582.4	5.3	345.0	19.2	21.0
7/11/2003	6	32	2176	3-4	0	189.0	2.4	98.2	15.9	14.9

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7/11/2003	6	20	2164	2-3	7	677.1	1.0	522.2	66.5	69.1
7/11/2003	6	39	2183	1-2	10	600.0	0.9	498.2	84.6	89.1
7/11/2003	6	27	2171	0-1	8	530.4	1.7	363.0	59.3	67.0
7/11/2003	7	25	2169	8-10	0	1142.9	1.4	1056.6	215.9	220.8
7/11/2003	7	26	2170	6-8	3	1010.2	1.3	872.7	207.4	218.7
7/11/2003	7			5-6	0	0.0				
7/11/2003	7			4-5	0	0.0				
7/11/2003	7	34	2178	3-4	0	708.8	3.0	629.2	90.9	100.9
7/11/2003	7	35	2179	2-3	6	811.1	3.6	376.2	95.8	101.7
7/11/2003	7	33	2177	1-2	8	704.8	1.5	574.0	134.3	295.1
7/11/2003	7	30	2174	0-1	3	354.4	1.9	284.2	113.5	106.0
7/11/2003	8	1	2145	0-8		21.4	1.3	1.2	2.7	3.6
7/11/2003	9	3	2147	0-8		21.4	0.9	1.2	3.1	5.1
7/11/2003	10	2	2146	0-8		107.1	14.0	34.1	8.4	9.5
7/11/2003	FB	4	2148		0	4.3	3.0	2.3	0.1	0.3
9/3/2003	FB	4	2187		0	2.9	1.3	5.6	1.3	1.2
9/4/2003	1	32	2215	8-10	0	1771.4	2.1	1532.0	94.6	181.1
9/4/2003	1	12	2195	6-8	0	1573.0	1.0	1323.0	283.9	595.2
9/4/2003	1	22	2206	5-6	0	232.0	1.6	1020.7	227.0	49.7
9/4/2003	1	8	2191	4-5	0	1828.6	2.1	1446.5	434.2	785.0
9/4/2003	1	13	2197	3-4	0	357.1	1.5	765.0	157.3	298.1
9/4/2003	1	20	2204	2-3	0		2.0	635.1	70.9	9.1
9/4/2003	1	28	2210	1-2	0	35.7	1.6	24.3	6.7	22.5
9/4/2003	1	16	2196	0-1	0	254.2	1.3	34.8	30.3	77.9
9/4/2003	2	37	2221	1-2	0	55.3	0.7	4.1	13.3	33.2
9/4/2003	2	38	2222	0-1	0	60.4	2.2	12.4	15.8	43.6
9/4/2003	3			8-10						
9/4/2003	3	34	2217	6-8	0		3.2	35.4	15.5	33.2
9/4/2003	3			5-6						
9/4/2003	3			4-5						
9/4/2003	3	39	2223	3-4	0		3.1	30.4	11.3	29.2
9/4/2003	3	40	2224	2-3	0	125.8	1.2	10.2	5.6	17.9
9/4/2003	3	35	2219	1-2	0	79.4	0.8	9.9	7.2	22.7
9/4/2003	3	36	2220	0-1	0	60.4	1.0	4.5	2.8	14.7

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9/4/2003	5	.	.	8-10
9/4/2003	5	23	2207	6-8	0	1028.6	2.1	38.1	17.1	73.3
9/4/2003	5	33	2216	5-6	0	51.6	1.6	90.1	19.7	41.3
9/4/2003	5	27	2211	4-5	0	1114.3	2.1	828.6	164.6	30.5
9/4/2003	5	5	2188	3-4	0	150.0	1.3	30.7	11.0	30.2
9/4/2003	5	29	2212	2-3	0	61.6	1.1	25.4	9.6	24.2
9/4/2003	5	31	2214	1-2	0	80.5	1.7	19.6	6.9	17.7
9/4/2003	5	30	2213	0-1	0	803.6	3.6	26.3	8.2	22.3
9/4/2003	6	9	2192	8-10	0	212.6	1.7	86.0	12.7	33.2
9/4/2003	6	6	2189	6-8	0	117.9	1.2	36.9	14.0	33.9
9/4/2003	6	17	2200	5-6	0	355.9	3.6	38.9	4.6	13.8
9/4/2003	6	18	2201	4-5	0	53.2	1.2	22.6	3.5	11.2
9/4/2003	6	19	2203	3-4	0	85.7	0.9	23.4	11.5	148.4
9/4/2003	6	26	2209	2-3	0	17.9	0.8	12.1	7.2	199.6
9/4/2003	6	10	2193	1-2	0	67.3	1.5	15.6	1.5	9.2
9/4/2003	6	11	2194	0-1	0	44.4	0.9	6.8	0.6	9.5
9/4/2003	7	21	2205	8-10	0	897.6	15.8	167.6	3.7	224.4
9/4/2003	7	7	2190	6-8	8	342.9	2.4	184.8	8.8	26.9
9/4/2003	7	.	.	5-6	.	.	.	.	.	.
9/4/2003	7	.	.	4-5	.	.	.	.	.	.
9/4/2003	7	.	.	3-4	.	.	.	.	.	.
9/4/2003	7	25	2208	2-3	0	135.9	1.0	69.7	27.4	20.5
9/4/2003	7	14	2198	1-2	0	554.5	1.8	81.4	51.3	125.6
9/4/2003	7	15	2199	0-1	0	135.4	1.4	91.7	97.6	202.4
9/4/2003	8	1	2184	0-8	0	.	0.6	4.0	2.2	9.5
9/4/2003	9	3	2186	0-8	0	121.4	0.5	83.4	17.4	39.3
9/4/2003	10	2	2185	0-8	0	28.6	0.6	4.1	2.2	6.6
9/5/2003	FB	24	2202	.	0	0.0	.	.	.	.

Surface Water TSS and Particulate OC, N and P

Site	Sampling Date	CN Filter No.	P Filter No.	TSS (CN) mg L-1	TSS (P) mg L-1	OC % Dry Wt TSS	N % Dry Wt TSS	P % Dry Wt TSS	PC umol L-1	PN umol L-1	PP umol L-1
1-A	2/13/2002	425	426	25.8	55.00	7.2	1.0	0.222	154.3	18.7	3.9
1-B	2/13/2002	427	428	33.3	60.00	5.1	0.7	0.157	140.9	16.4	3.0
2-A	2/13/2002	429	430	78.3	85.00	6.2	0.8	0.288	406.3	45.4	7.9
2-B	2/13/2002	458	432	86.7	78.89	7.9	1.1	0.504	568.7	66.2	12.8
3-A	2/13/2002	456	453	75.0	75.00	3.2	0.4	0.143	200.8	19.5	3.5
3-B	2/13/2002	435	436	70.0	73.33	4.7	0.6	0.197	275.2	28.1	4.7
4-A	2/13/2002	437	438	186.7	55.83	1.4	0.2	0.136	215.9	20.2	2.4
4-B	2/13/2002	439	460	116.7	81.67	2.1	0.2	0.124	205.4	18.3	3.3
Creek-A	2/13/2002	445	449	30.0	15.00	.	.	.	.	.	.
Creek-B	2/13/2002	451	452	16.7	13.33	6.2	0.3	0.174	85.6	3.2	0.7
Surf-A	2/13/2002	441	442	191.7	426.67	0.9	0.0	0.067	142.2	6.2	9.3
Surf-B	2/13/2002	443	444	391.7	288.33	0.6	0.0	0.045	185.5	7.6	4.2
1-A	4/24/2002	475	462	16.7	21.67	36.1	4.8	1.709	500.9	57.1	11.9
1-B	4/24/2002	476	480	26.7	23.33	21.6	2.8	1.383	480.9	53.4	10.4
2-A	4/24/2002	477	478	15.0	23.33	32.2	4.3	1.425	402.5	46.2	10.7
2-B	4/24/2002	479	481	33.3	33.33	24.7	3.5	1.333	686.8	82.2	14.3
3-A	4/24/2002	463	464	28.3	41.67	20.3	2.5	1.214	480.3	50.1	16.3
3-B	4/24/2002	440	445	20.0	30.00	16.2	2.0	1.231	269.6	28.8	11.9
4-A	4/24/2002	455	459	25.0	35.00	19.9	2.5	0.807	415.1	44.3	9.1
4-B	4/24/2002	468	467	25.0	26.67	21.3	2.6	1.066	443.1	47.2	9.2
Creek-A	4/24/2002	449	454	15.0	13.33	27.0	4.7	1.940	337.3	50.2	8.3
Creek-B	4/24/2002	433	434	11.7	13.33	31.0	5.7	1.905	301.2	47.1	8.2
Surf-A	4/24/2002	469	470	75.8	161.67	1.1	0.1	0.014	67.6	3.7	0.7
Surf-B	4/24/2002	472	471	145.0	150.00	1.0	0.1	0.003	117.9	6.3	0.2
1-A	7/24/2002	504	505	21.7	21.67	7.7	0.5	0.259	139.1	7.6	1.8
1-B	7/24/2002	506	507	31.0	26.67	4.4	0.2	0.081	114.1	5.2	0.7
2-A	7/24/2002	508	509	36.7	36.67	7.5	0.8	0.336	230.5	21.4	4.0
2-B	7/24/2002	510	511	33.3	26.67	10.6	1.2	0.590	295.7	29.0	5.1
3-A	7/24/2002	512	513	31.7	33.33	20.5	3.3	0.506	541.8	75.7	5.4
3-B	7/24/2002	515	535	36.7	66.67	20.8	3.6	0.254	634.9	93.0	5.5
4-A	7/24/2002	516	517	30.0	31.67	13.1	1.7	0.505	326.8	36.6	5.2
4-B	7/24/2002	518	519	38.3	41.67	23.6	3.7	0.525	752.8	100.0	7.1
5-A	7/24/2002	520	521	30.5	22.03	5.7	0.4	0.134	145.7	8.8	0.9
5-B	7/24/2002	522	523	30.0	33.33	6.8	0.5	0.161	170.9	11.1	1.7
6-A	7/24/2002	524	525	38.3	43.33	11.7	1.1	0.392	372.5	31.2	5.5
6-B	7/24/2002	526	527	29.8	40.00	15.4	1.4	0.366	383.1	30.9	4.7
Creek-A	7/24/2002	530	531	50.0	46.67	20.0	2.7	0.698	834.4	96.2	10.5
Creek-B	7/24/2002	528	529	38.3	55.00	16.3	2.1	0.588	521.4	58.4	10.4
Surf-A	7/24/2002	500	501	74.2	153.33	1.2	0.1	0.016	73.4	5.2	0.8
Surf-B	7/24/2002	502	503	145.0	161.67	0.8	0.1	0.013	96.7	6.5	0.7

Surface Water TSS and Particulate OC, N and P

Site	Sampling Date	CN Filter No.	P Filter No.	TSS (CN) mg L-1	TSS (P) mg L-1	OC % Dry Wt TSS	N % Dry Wt TSS	P % Dry Wt TSS	PC umol L-1	PN umol L-1	PP umol L-1
1-A	9/23/2002	543	594	106.7	95.00	22.0	2.9	0.504	1952.8	219.8	12.6
1-A	9/23/2002	546	596	93.3	91.53	21.4	2.9	0.658	1667.9	194.6	14.3
1-B	9/23/2002	550	601	73.3	58.62	20.7	2.5	0.509	1262.4	131.6	29.1
1-B	9/23/2002	548	602	83.3	98.31	29.0	3.7	0.494	2015.2	220.5	14.9
2-A	9/23/2002	545	598	38.3	38.33	10.9	1.4	0.489	347.5	38.6	14.0
2-B	9/23/2002	549	600	33.3	35.09	8.5	1.1	0.505	236.6	26.2	17.1
3-A	9/24/2002	552	576	45.0	35.00	8.0	1.2	0.000	299.4	37.4	0.0
3-A	9/24/2002	556	578	41.4	46.67	9.2	1.3	1.018	317.5	38.6	31.2
3-B	9/24/2002	557	579	45.0	43.33	9.9	1.4	1.072	372.5	43.7	31.7
3-B	9/24/2002	558	584	41.7	45.76	10.4	1.4	1.030	361.1	41.7	19.5
5-A	9/24/2002	551	582	28.3	33.90	15.1	1.8	1.437	357.6	36.9	45.6
5-B	9/24/2002	554	580	26.7	41.67	12.2	1.5	0.341	270.6	28.5	4.2
6-A	9/24/2002	553	583	41.7	45.00	18.9	2.7	0.234	654.5	78.9	2.6
6-B	9/24/2002	555	587	41.7	36.67	12.3	1.7	0.338	425.6	51.1	3.8
7-A	9/23/2002	544	591	35.0	31.67	9.3	1.1	0.258	270.6	28.5	3.9
7-B	9/23/2002	547	592	38.3	43.33	8.2	1.3	0.324	261.9	35.1	4.5
8-A	9/27/2002	560	593	82.5	77.50	12.8	1.6	0.326	881.5	92.9	4.8
8-B	9/27/2002	562	586	85.0	67.50	13.3	1.6	0.516	939.2	99.4	5.6
10-A	9/27/2002	567	589	148.6	177.14	11.5	1.5	0.379	1420.3	156.2	5.1
10-B	9/27/2002	568	588	86.7	93.33	14.2	1.7	0.879	1022.6	103.3	12.8
9-A	9/27/2002	564	590	71.1	88.89	16.3	2.1	0.792	964.2	105.3	9.4
9-B	9/27/2002	566	577	100.0	105.00	13.2	1.7	0.507	1103.7	122.7	5.2
Creek-A	9/27/2002	559	581	51.7	41.67	16.4	2.3	0.359	706.1	84.8	5.0
Creek-B	9/27/2002	561	585	61.7	50.00	15.4	2.2	1.056	792.9	95.7	14.2
FB	9/23/2002	542	595	.	0.00	.	.	0.917	.	.	14.8
Surf-A	9/27/2002	563	597	193.3	183.33	0.3	0.0	0.006	56.0	4.6	0.4
Surf-B	9/27/2002	565	599	196.7	196.67	0.4	0.0	0.005	66.3	6.6	0.3
1-A	2/4/2003	628	609	.	41.67	.	.	0.138	.	.	1.4
1-A	2/4/2003	630	617	28.3	38.33	17.5	2.8	0.238	413.0	57.7	1.0
1-B	2/4/2003	633	611	.	61.67	.	.	0.198	.	.	1.3
1-B	2/4/2003	635	615	.	66.67	.	.	0.225	.	.	1.5
2-A	2/4/2003	637	613	.	28.33	.	.	0.246	.	.	1.8
2-B	2/4/2003	639	623	.	35.00	.	.	0.247	.	.	1.6
3-A	2/5/2003	645	538	35.0	40.00	21.2	3.8	0.000	618.3	95.6	0.0
3-B	2/5/2003	654	629	38.3	41.82	19.5	3.4	0.772	623.6	93.5	10.4
5-A	2/5/2003	648	631	24.1	25.00	8.5	0.8	0.780	170.6	14.6	9.6
5-A	2/5/2003	650	634	20.3	30.00	10.2	1.0	1.382	172.2	15.0	27.5
5-B	2/5/2003	652	636	23.3	37.29	10.4	1.1	1.237	203.1	18.2	26.6
5-B	2/5/2003	656	638	32.8	29.82	9.2	1.0	0.840	250.1	23.2	7.7
6-A	2/5/2003	632	640	20.3	31.67	17.6	2.6	0.569	298.5	37.3	6.4

Surface Water TSS and Particulate OC, N and P

Site	Sampling Date	CN Filter No.	P Filter No.	TSS (CN) mg L-1	TSS (P) mg L-1	OC % Dry Wt TSS	N % Dry Wt TSS	P % Dry Wt TSS	PC umol L-1	PN umol L-1	PP umol L-1
6-B	2/5/2003	569	646	30.5	26.67	12.0	1.8	1.095	305.2	39.2	14.1
7-A	2/4/2003	641	655	.	31.67	.	.	1.249	.	.	16.9
7-B	2/4/2003	643	649	26.7	31.67	15.4	2.2	0.375	343.3	42.0	3.0
8-A	1/31/2003	608	651	2765.0	31.67	0.0	0.0	0.322	67.4	5.3	3.1
8-B	1/31/2003	616	653	9.2	13.33	7.9	0.6	0.242	60.5	4.2	2.9
10-A	1/31/2003	610	657	15.0	20.00	6.2	0.6	0.458	77.9	6.5	4.4
10-B	1/31/2003	614	647	10.8	20.00	8.6	1.0	0.610	77.7	7.6	6.2
9-A	1/31/2003	612	533	14.2	22.41	7.8	0.8	0.744	91.5	8.4	6.4
9-B	1/31/2003	622	642	9.2	20.00	10.8	1.0	0.755	82.7	6.7	7.7
Creek-A	1/31/2003	624	644	1.7	0.00	55.9	5.0	0.706	77.6	6.0	7.2
Creek-B	1/31/2003	626	625	0.0	1.67	.	.	0.000	55.6	3.6	0.0
FB-A	2/5/2003	570	627	.	0.00	.	.	1.255	.	.	0.7
Surf-A	1/31/2003	618	619	76.7	168.33	0.7	0.0	0.000	43.3	2.4	0.0
Surf-B	1/31/2003	620	621	78.3	191.67	0.7	0.1	0.005	47.1	3.3	0.3
1-A	4/22/2003	664	666	113.3	95.00	15.9	3.1	1.050	1500.2	249.7	32.2
1-B	4/22/2003	660	663	106.7	36.67	7.3	1.2	0.899	650.3	89.4	53.2
2-A	4/22/2003	691	692	191.7	75.00	15.1	2.9	1.398	2411.4	393.9	93.3
2-B	4/22/2003	693	694	173.3	162.71	15.7	2.8	1.425	2268.0	341.5	78.2
3-A	4/22/2003	667	668	81.7	60.00	10.5	2.0	1.090	711.5	118.8	21.1
3-B	4/22/2003	669	671	85.0	65.00	10.0	1.9	0.961	708.0	113.0	20.2
5-A	4/22/2003	658	659	98.3	90.00	7.4	1.2	0.570	606.0	82.2	16.6
5-B	4/22/2003	677	678	81.7	83.33	8.4	1.4	0.414	570.9	80.4	11.1
6-A	4/22/2003	696	672	81.4	170.00	13.1	2.7	0.969	885.1	157.1	27.1
6-B	4/22/2003	675	690	118.3	40.00	9.9	2.0	0.609	972.9	169.4	32.0
7-A	4/22/2003	673	674	21.7	86.67	7.4	1.0	0.283	133.2	15.6	3.7
7-B	4/22/2003	695	685	20.0	206.90	7.3	1.0	0.231	121.4	14.4	2.7
8-A	4/18/2003	710	715	107.6	148.33	1.1	0.1	0.016	94.6	5.2	1.0
8-B	4/18/2003	681	682	105.0	180.00	1.1	0.1	0.053	96.8	8.6	3.1
10-A	4/18/2003	683	684	44.2	86.67	1.7	0.2	0.049	62.5	5.5	1.4
10-B	4/18/2003	688	689	42.5	146.67	2.7	0.2	0.101	97.3	7.3	2.4
9-A	4/18/2003	686	687	13.9	36.67	9.7	1.2	0.031	112.1	11.9	1.4
9-B	4/18/2003	711	712	109.2	176.67	1.8	0.2	0.095	160.7	14.0	4.5
Creek-A	4/18/2003	661	662	121.7	183.33	2.5	0.3	0.666	249.2	28.4	7.9
Creek-B	4/18/2003	708	709	26.7	50.00	13.1	1.6	0.607	291.9	31.3	9.8
FB-A	4/22/2003	716	717	.	0.00	.	.	0.000	.	.	0.0
Surf-A	4/18/2003	706	707	85.7	185.00	1.2	0.1	0.019	83.6	4.8	1.1
Surf-B	4/18/2003	713	714	132.7	190.00	0.7	0.1	0.018	82.8	7.4	1.0
1-A	7/11/2003	903	904	50.8	44.92	3.3	0.6	0.114	139.9	22.8	1.7
1-B	7/11/2003	907	908	51.3	53.33	4.3	0.8	0.106	183.6	27.8	1.8
2-A	7/11/2003	905	906	51.7	57.50	4.1	0.7	0.145	177.0	26.0	2.7

Surface Water TSS and Particulate OC, N and P

Site	Sampling Date	CN Filter No.	P Filter No.	TSS (CN) mg L-1	TSS (P) mg L-1	OC % Dry Wt TSS	N % Dry Wt TSS	P % Dry Wt TSS	PC umol L-1	PN umol L-1	PP umol L-1
2-B	7/11/2003	909	910	55.0	50.00	3.5	0.6	0.115	161.9	24.6	1.9
3-A	7/11/2003	916	915	60.8	125.00	3.7	0.7	0.050	187.8	29.3	2.0
3-B	7/11/2003	801	802	54.2	55.00	3.5	0.6	0.095	156.7	25.0	1.7
5-A	7/11/2003	913	914	49.2	47.90	4.1	0.7	0.119	167.0	24.9	1.8
5-B	7/11/2003	799	800	43.3	41.67	4.2	0.8	0.116	151.8	23.6	1.6
6-A	7/11/2003	911	912	34.2	39.17	1.8	0.3	0.090	50.1	8.1	1.1
6-B	7/11/2003	397	798	55.0	33.90	2.1	.	0.103	94.4	14.8	1.1
7-A	7/11/2003	803	804	39.2	34.17	3.4	0.6	0.114	110.1	17.8	1.3
7-B	7/11/2003	805	806	46.7	43.33	4.5	0.8	0.133	176.3	25.6	1.9
8-A	7/11/2003	770	771	98.3	136.67	1.8	0.3	0.026	146.6	24.2	1.1
8-B	7/11/2003	774	775	79.7	120.00	2.2	0.4	0.039	142.7	24.9	1.5
10-A	7/11/2003	776	897	83.3	83.33	2.2	0.4	0.066	150.8	26.5	1.8
10-B	7/11/2003	772	773	87.5	89.17	2.1	0.4	0.064	150.8	26.0	1.8
9-A	7/11/2003	902	899	77.5	81.36	2.5	0.5	0.068	163.1	27.5	1.8
9-B	7/11/2003	900	901	83.3	82.50	2.5	0.5	0.077	172.6	29.5	2.1
Creek-A	7/10/2003	764	765	40.0	50.00	2.3	0.4	0.059	77.3	12.6	0.9
Creek-B	7/10/2003	768	769	67.3	46.61	1.4	0.3	0.053	80.4	12.1	0.8
FB-A	7/10/2003	760	761	0.8	.	23.6	0.6	.	16.4	0.4	.
Surf-A	7/10/2003	762	763	190.0	106.67	0.3	0.0	0.009	46.0	4.8	0.3
Surf-B	7/10/2003	766	767	95.8	99.17	0.4	0.1	0.007	29.2	3.7	0.2
1-A	9/4/2003	903	785	50.8	51.67	3.3	0.6	0.185	139.9	22.8	3.1
1-B	9/4/2003	907	781	51.3	28.33	4.3	0.8	0.216	183.6	27.8	2.0
2-A	9/4/2003	905	779	51.7	76.67	4.1	0.7	0.078	177.0	26.0	1.9
2-B	9/4/2003	909	783	55.0	31.67	3.5	0.6	0.210	161.9	24.6	2.1
3-A	9/4/2003	916	739	60.8	36.67	3.7	0.7	0.160	187.8	29.3	1.9
3-B	9/4/2003	801	729	54.2	45.00	3.5	0.6	0.142	156.7	25.0	2.1
5-A	9/4/2003	913	725	49.2	40.00	4.1	0.7	0.113	167.0	24.9	1.5
5-B	9/4/2003	799	733	43.3	33.33	4.2	0.8	0.133	151.8	23.6	1.4
6-A	9/4/2003	911	735	34.2	35.00	1.8	0.3	0.178	50.1	8.1	2.0
6-B	9/4/2003	397	777	.	35.00	.	.	0.160	94.4	14.8	1.8
7-A	9/4/2003	803	737	39.2	26.67	3.4	0.6	0.272	110.1	17.8	2.3
7-B	9/4/2003	805	731	46.7	28.33	4.5	0.8	0.248	176.3	25.6	2.3
8-A	9/4/2003	770	851	98.3	38.33	1.8	0.3	0.220	146.6	24.2	2.7
8-B	9/4/2003	774	850	79.7	40.00	2.2	0.4	0.167	142.7	24.9	2.2
10-A	9/4/2003	776	843	83.3	43.33	2.2	0.4	0.259	150.8	26.5	3.6
10-B	9/4/2003	772	842	87.5	52.50	2.1	0.4	0.207	150.8	26.0	3.5
9-A	9/4/2003	902	853	77.5	36.67	2.5	0.5	0.155	163.1	27.5	1.8
9-B	9/4/2003	900	855	83.3	62.07	2.5	0.5	0.094	172.6	29.5	1.9
Creek-A	9/4/2003	764	840	40.0	22.88	2.3	0.4	0.380	77.3	12.6	2.8
Creek-B	9/4/2003	768	846	67.3	33.33	1.4	0.3	0.470	80.4	12.1	5.1
FB-A	9/4/2003	760	838	.	1.67	.	.	0.082	16.4	0.4	0.0

Surface Water TSS and Particulate OC, N and P

Site	Sampling Date	CN Filter No.	P Filter No.	TSS (CN) mg L-1	TSS (P) mg L-1	OC % Dry Wt TSS	N % Dry Wt TSS	P % Dry Wt TSS	PC umol L-1	PN umol L-1	PP umol L-1
Surf-A	9/4/2003	762	720	190.0	81.67	0.3	0.0	0.036	46.0	4.8	1.0
Surf-B	9/4/2003	766	722	95.8	133.33	0.4	0.1	0.019	29.2	3.7	0.8

Sediment Bulk Nutrients, Carbon and Physical Characteristics

date	Station	depth interval	Dry Density (g cc-1)	Porosity	Wet Bulk Density (g cc-1)	% Dry Wt. OC	% Dry Wt. N	% Dry Wt. P	% Sand	% Silt	% Clay
9/23/2002	1	8-10	3.62	0.78	1.60	2.49	0.18	0.06	44	48	8
9/23/2002	1	6-8	3.33	0.82	1.44	1.62	0.12	0.06	53	40	7
9/23/2002	1	5-6	3.36	0.82	1.45	0.77	0.07	0.06	52	41	7
9/23/2002	1	4-5	3.75	0.86	1.40	1.52	0.13	0.06	40	52	8
9/23/2002	1	3-4	3.56	0.87	1.35	4.07	0.34	0.08	46	46	8
9/23/2002	1	2-3	3.56	0.85	1.40	4.58	0.40	0.08	46	45	9
9/23/2002	1	1-2	3.62	0.85	1.41	5.77	0.48	0.09	44	47	9
9/23/2002	1	0-1	3.85	0.96	1.13	5.67	0.47	0.07	.	.	.
9/23/2002	1B	8-10	3.75	0.77	1.65	5.26	0.39	0.08	27	63	10
9/23/2002	1B	6-8	3.27	0.83	1.42	2.46	0.19	0.06	40	53	7
9/23/2002	1B	5-6	3.17	0.85	1.36	1.69	0.13	0.06	55	38	7
9/23/2002	1B	4-5	3.39	0.88	1.30	1.69	0.13	0.06	58	35	7
9/23/2002	1B	3-4	3.75	0.92	1.24	1.49	0.13	0.06	51	43	6
9/23/2002	1B	2-3	3.62	0.68	1.85	2.45	0.20	0.07	40	53	7
9/23/2002	1B	1-2	4.17	0.73	1.88	4.58	0.37	0.08	44	48	8
9/23/2002	1B	0-1	3.75	0.95	1.17	4.80	0.40	0.08	40	53	7
9/23/2002	2	8-10	2.20	0.71	1.37	0.09	0.02	0.04	93	3	4
9/23/2002	2	6-8	2.04	0.41	1.63	0.13	0.02	0.05	93	3	4
9/23/2002	2	5-6	1.96	0.37	1.61	0.15	0.02	0.05	95	4	1
9/23/2002	2	4-5	1.98	0.41	1.59	0.31	0.03	0.05	94	4	2
9/23/2002	2	3-4	2.01	0.47	1.55	0.32	0.03	0.06	91	7	2
9/23/2002	2	2-3	2.10	0.49	1.57	0.53	0.05	0.06	90	7	3
9/23/2002	2	1-2	2.14	0.60	1.47	1.20	0.10	0.06	88	9	3
9/24/2002	3	8-10	1.88	0.39	1.54	0.08	0.01	0.04	98	<1	2
9/24/2002	3	6-8	1.88	0.50	1.45	0.09	0.01	0.04	98	<1	2
9/24/2002	3	5-6	1.88	0.36	1.57	0.05	0.01	0.03	98	1	1
9/24/2002	3	4-5	1.88	0.34	1.59	0.05	0.01	0.03	98	<1	2
9/24/2002	3	3-4	1.88	0.42	1.52	0.07	0.01	0.04	98	<1	2
9/24/2002	3	2-3	1.77	0.32	1.53	0.07	0.01	0.03	97	2	1
9/24/2002	3	1-2	1.91	0.38	1.57	0.06	0.01	0.03	97	2	1
9/24/2002	3	0-1	1.77	0.33	1.53	0.27	0.04	0.05	95	2	3
9/24/2002	3B	8-10	.	.	.	0.05	0.01	0.04	.	.	.
9/24/2002	3B	6-8	1.88	0.55	1.41	0.05	0.01	0.03	98	1	1
9/24/2002	3B	5-6	1.88	0.51	1.45	0.05	0.01	0.04	98	1	1
9/24/2002	3B	4-5	2.07	0.69	1.34	0.05	0.01	0.03	98	1	1
9/24/2002	3B	3-4	1.88	0.57	1.39	0.06	0.01	0.03	98	1	1
9/24/2002	3B	2-3	2.12	0.63	1.43	0.08	0.01	0.04	98	1	1
9/24/2002	3B	1-2	1.88	0.45	1.50	0.09	0.01	0.04	98	1	1

Sediment Bulk Nutrients, Carbon and Physical Characteristics

date	Station	depth interval	Dry Density (g cc-1)	Porosity	Wet Bulk Density (g cc-1)	% Dry Wt. OC	% Dry Wt. N	% Dry Wt. P	% Sand	% Silt	% Clay
9/24/2002	3B	0-1	1.91	0.70	1.29	0.16	0.03	0.04	97	2	1
9/24/2002	5	8-10	1.47	0.33	1.32	1.82	0.13	0.06	59	33	8
9/24/2002	5	6-8	3.10	0.58	1.90	1.95	0.13	0.06	60	33	7
9/24/2002	5	5-6	3.10	0.67	1.71	1.59	0.12	0.05	60	32	8
9/24/2002	5	4-5	1.46	0.59	1.20	1.96	0.15	0.06	58	33	9
9/24/2002	5	3-4	3.04	0.70	1.62	2.37	0.19	0.05	62	30	8
9/24/2002	5	2-3	2.91	0.81	1.38	2.92	0.24	0.06	66	27	7
9/24/2002	5	1-2	2.98	0.69	1.62	3.46	0.31	0.06	64	28	8
9/24/2002	5	0-1	2.75	0.74	1.47	6.22	0.58	0.09	71	22	7
9/24/2002	6	8-9.5	2.81	0.45	2.01	0.58	0.05	0.05	69	23	8
9/24/2002	6	6-8	3.30	0.64	1.84	0.70	0.06	0.05	54	37	9
9/24/2002	6	5-6	3.49	0.67	1.85	0.78	0.07	0.05	48	42	10
9/24/2002	6	4-5	3.49	0.76	1.61	1.02	0.09	0.06	48	42	10
9/24/2002	6	3-4	3.43	0.80	1.52	2.11	0.15	0.05	50	40	10
9/24/2002	6	2-3	3.39	0.79	1.52	2.62	0.18	0.06	51	40	9
9/24/2002	6	1-2	3.15	0.89	1.25	3.10	0.22	0.06	51	40	9
9/24/2002	6	0-1	3.33	0.96	1.12	3.69	0.22	0.06	53	39	8
9/23/2002	7	8-10	3.36	0.64	1.87	2.00	0.14	0.06	52	41	7
9/23/2002	7	6-8	3.62	0.61	2.05	3.75	0.29	0.08	44	49	7
9/23/2002	7	5-6	2.69	0.47	1.91	1.92	0.15	0.07	73	21	6
9/23/2002	7	4-5	2.43	0.48	1.75	2.60	0.21	0.07	81	14	5
9/23/2002	7	3-4	2.78	0.68	1.59	3.48	0.31	0.09	70	23	7
9/23/2002	7	2-3	3.30	0.72	1.65	3.80	0.37	0.09	54	39	7
9/23/2002	7	1-2	3.20	0.79	1.47	3.89	0.42	0.10	57	36	7
9/23/2002	7	0-1	3.20	0.92	1.20	3.25	0.39	0.09	.	.	.
9/27/2002	8	2-3	1.88	0.34	1.59	0.05	0.01	0.06	98	<1	2
9/27/2002	8	1-2	1.88	0.30	1.62	0.11	0.01	0.05	98	<1	2
9/27/2002	8	0-1	1.88	0.28	1.64	0.35	0.03	0.05	98	<1	2
9/27/2002	9	2-3	1.91	0.33	1.62	0.04	0.01	0.03	97	1	2
9/27/2002	9	1-2	1.94	0.29	1.68	0.06	0.01	0.02	96	1	3
9/27/2002	9	0-1	1.98	0.30	1.69	0.17	0.02	0.04	95	1	4
9/27/2002	10	2-3	1.88	0.27	1.65	0.08	0.01	0.02	98	2	<1
9/27/2002	10	1-2	1.88	0.29	1.63	0.19	0.02	0.03	98	2	<1
9/27/2002	10	0-1	1.88	0.28	1.64	0.38	0.04	0.03	98	2	<1

Sediment Bulk Nutrients, Carbon and Physical Characteristics

date	Station	depth interval	Dry Density (g cc-1)	Porosity	Wet Bulk Density (g cc-1)	% Dry Wt. OC	% Dry Wt. N	% Dry Wt. P	% Sand	% Silt	% Clay
2/4/2003	1	8-10	3.59	0.66	1.91	1.37	0.10	0.07	45	46	9
2/4/2003	1	6-8	3.00	0.66	1.69	1.19	0.09	0.06	59	33	8
2/4/2003	1	5-6	3.56	0.74	1.69	1.20	0.12	0.07	46	45	9
2/4/2003	1	4-5	3.72	0.84	1.46	3.70	0.33	0.08	41	49	10
2/4/2003	1	3-4	3.75	0.85	1.43	4.13	0.46	0.10	40	50	10
2/4/2003	1	2-3	3.75	0.90	1.30	6.31	0.72	0.12	40	48	12
2/4/2003	1	1-2	2.68	0.91	1.17	7.05	0.85	0.13	.	.	.
2/4/2003	1	0-1	3.00	0.95	1.13	7.33	0.95	0.15	.	.	.
2/4/2003	1B	8-10	1.88	0.48	1.47	0.09	0.01	0.04	.	.	.
2/4/2003	1B	6-8	1.88	0.55	1.41	0.07	0.01	0.04	98	1	1
2/4/2003	1B	5-6	1.88	0.51	1.45	0.08	0.01	0.04	98	1	1
2/4/2003	1B	4-5	1.88	0.67	1.30	0.14	0.01	0.04	98	1	1
2/4/2003	1B	3-4	1.88	0.57	1.39	0.24	0.02	0.04	98	<1	2
2/4/2003	1B	2-3	1.88	0.60	1.37	0.32	0.04	0.04	98	1	1
2/4/2003	1B	1-2	1.88	0.45	1.50	2.81	0.35	0.04	98	.	.
2/4/2003	1B	0-1	1.91	0.70	1.29	0.48	0.06	0.05	97	1	2
2/4/2003	2	8-10	4.07	0.62	2.19	2.18	0.17	0.06	30	54	16
2/4/2003	2	6-8	2.94	0.43	2.12	0.75	0.07	0.06	65	25	10
2/4/2003	2	5-6	2.36	0.52	1.66	2.23	0.20	0.07	83	11	6
2/4/2003	2	4-5	2.69	0.57	1.74	2.16	0.20	0.07	73	20	7
2/4/2003	2	2-3	2.98	0.88	1.26	1.57	0.16	0.06	64	29	7
2/4/2003	2	2-3	2.81	0.76	1.45	1.25	0.15	0.06	69	24	7
2/4/2003	2	1-2	2.43	0.58	1.62	1.88	0.19	0.07	81	12	7
2/4/2003	2	0-1	2.62	0.71	1.48	3.51	0.43	0.12	75	18	7
2/4/2003	7	8-10	3.09	0.74	1.56	0.87	0.08	0.07	69	23	8
2/4/2003	7	6-8	2.78	0.73	1.49	1.80	0.16	0.07	70	23	7
2/4/2003	7	5-6	2.56	0.57	1.69	0.92	0.11	0.06	77	16	7
2/4/2003	7	4-5	2.36	0.65	1.49	0.94	0.13	0.06	83	11	6
2/4/2003	7	3-4	4.75	0.50	2.89	1.81	0.24	0.08	9	85	6
2/4/2003	7	3-4	2.75	0.73	1.48	2.21	0.31	0.09	71	22	7
2/4/2003	7	1-2	2.85	0.85	1.30	3.10	0.46	0.10	68	26	6
2/4/2003	7	0-1	4.50	0.96	1.16	3.63	0.52	0.12	.	.	.
2/5/2003	5	8-10	4.33	0.85	1.52	3.03	0.24	0.07	22	63	15
2/5/2003	5	6-8	4.07	0.84	1.52	3.42	0.32	0.07	30	57	13
2/5/2003	5	5-6	3.68	0.88	1.36	4.72	0.45	0.08	42	47	11
2/5/2003	5	4-5	3.81	0.90	1.31	5.19	0.48	0.08	38	51	11
2/5/2003	5	3-4	3.81	0.91	1.29	5.88	0.54	0.09	38	51	11
2/5/2003	5	2-3	3.66	0.91	1.26	6.17	0.55	0.09	66	27	7

Sediment Bulk Nutrients, Carbon and Physical Characteristics

date	Station	depth interval	Dry Density (g cc-1)	Porosity	Wet Bulk Density (g cc-1)	% Dry Wt. OC	% Dry Wt. N	% Dry Wt. P	% Sand	% Silt	% Clay
2/5/2003	5	1-2	2.04	0.87	1.16	6.27	0.58	0.09	64	28	8
2/5/2003	5	0-1	3.50	0.92	1.23	6.79	0.69	0.11	71	22	7
2/5/2003	5B	8-10	0.39	3.97	0.86	1.45	3.14	0.07	33	57	10
2/5/2003	5B	6-8	0.34	3.88	0.88	1.37	4.17	0.07	36	53	11
2/5/2003	5B	5-6	0.29	3.89	0.90	1.30	5.58	0.08	33	57	10
2/5/2003	5B	4-5	0.27	3.91	0.91	1.28	6.71	0.08	35	53	12
2/5/2003	5B	3-4	0.25	3.81	0.92	1.26	6.36	0.09	38	52	10
2/5/2003	5B	2-3	0.23	3.88	0.93	1.23	6.48	0.09	36	53	11
2/5/2003	5B	1-2	0.21	3.88	0.93	1.21	6.62	0.10	36	53	11
2/5/2003	5B	0-1	0.15	3.97	0.96	1.15	7.24	0.12	33	57	10
2/5/2003	6	8-10	3.91	0.87	1.40	2.48	0.18	0.06	35	54	11
2/5/2003	6	6-8	3.91	0.89	1.35	2.16	0.17	0.06	35	54	11
2/5/2003	6	5-6	3.62	0.89	1.31	2.26	0.19	0.06	44	46	10
2/5/2003	6	4-5	3.81	0.89	1.32	2.93	0.23	0.06	38	50	12
2/5/2003	6	3-4	3.85	0.90	1.30	3.09	0.24	0.07	37	51	12
2/5/2003	6	2-3	3.75	0.91	1.28	3.65	0.27	0.07	40	48	12
2/5/2003	6	1-2	3.39	0.91	1.25	4.15	0.35	0.08	51	40	9
2/5/2003	6	0-1	3.52	0.94	1.18	5.19	0.56	0.11	47	43	10
1/31/2003	8	2-3	1.88	0.60	1.37	0.04	0.00	0.04	96	1	3
1/31/2003	8	1-2	1.88	0.57	1.39	0.06	0.01	0.05	96	1	3
1/31/2003	8	0-1	1.88	0.57	1.39	0.11	0.02	0.04	95	1	4
1/31/2003	9	2-3	1.91	1.00	1.03	0.03	0.00	0.04	97	1	2
1/31/2003	9	1-2	1.91	1.00	1.03	0.03	0.00	0.04	97	<1	3
1/31/2003	9	0-1	1.91	0.27	1.67	0.04	0.01	0.04	97	<1	3
1/31/2003	10	2-3	1.91	0.29	1.66	0.03	0.00	0.03	97	<1	3
1/31/2003	10	1-2	1.91	0.29	1.65	0.05	0.00	0.03	97	1	2
1/31/2003	10	0-1	1.88	0.27	1.65	0.06	0.01	0.04	98	<1	2
4/22/2003	1	8-10	4.36	0.80	1.69	3.47	0.25	0.07	21	67	12
4/22/2003	1	6-8	3.88	0.74	1.78	1.89	0.13	0.06	36	54	10
4/22/2003	1	5-6	3.55	0.65	1.91	0.86	0.09	0.06	21	67	12
4/22/2003	1	4-5	3.21	0.79	1.49	6.58	0.93	0.08	57	26	17
4/22/2003	1	3-4	3.21	0.84	1.37	5.99	0.58	0.11	46	45	9
4/22/2003	1	2-3	3.66	0.87	1.36	6.34	0.61	0.11	41	49	10
4/22/2003	1	1-2	2.82	0.86	1.28	5.37	0.62	0.11	69	12	19

Sediment Bulk Nutrients, Carbon and Physical Characteristics

date	Station	depth interval	Dry Density (g cc-1)	Porosity	Wet Bulk Density (g cc-1)	% Dry Wt. OC	% Dry Wt. N	% Dry Wt. P	% Sand	% Silt	% Clay
4/22/2003	1	0-1	4.10	0.87	1.42	2.51	0.27	0.17	69	12	19
4/22/2003	2	8-10	3.68	0.63	2.01	1.53	0.09	0.05	42	47	11
4/22/2003	2	6-8	2.69	0.52	1.83	0.80	0.05	0.05	73	17	10
4/22/2003	2	5-6	2.47	0.47	1.79	0.83	0.05	0.05	80	13	7
4/22/2003	2	4-5	2.63	0.47	1.87	0.60	0.04	0.05	75	9	16
4/22/2003	2	3-4	2.69	0.67	1.57	0.61	0.06	0.05	73	20	7
4/22/2003	2	2-3	2.73	0.68	1.56	1.90	0.15	0.05	72	6	23
4/22/2003	2	1-2	2.69	0.71	1.51	2.27	0.22	0.06	73	17	10
4/22/2003	2	0-1	2.44	0.71	1.43	2.36	0.23	0.08	81	11	8
4/22/2003	3	8-10	2.43	0.40	1.86	0.34	0.02	0.03	81	13	6
4/22/2003	3	6-8	1.88	0.39	1.54	0.46	0.04	0.04	98	1	1
4/22/2003	3	5-6	1.88	0.50	1.45	0.43	0.04	0.03	98	<1	2
4/22/2003	3	4-5	2.65	0.44	1.94	0.49	0.07	0.04	74	19	7
4/22/2003	3	3-4	2.36	0.39	1.83	0.55	0.08	0.04	83	7	10
4/22/2003	3	2-3	2.41	0.48	1.75	0.27	0.04	0.04	81	9	9
4/22/2003	3	1-2	2.64	0.42	1.96	0.26	0.04	0.03	75	12	14
4/22/2003	3	0-1	1.88	0.38	1.56	0.26	0.04	0.04	98	1	1
4/22/2003	5	8-10	3.69	0.80	1.55	3.23	0.23	0.06	42	31	27
4/22/2003	5	6-8	3.94	0.79	1.63	2.47	0.20	0.06	34	55	11
4/22/2003	5	5-6	3.02	0.87	1.29	3.41	0.29	0.06	63	12	25
4/22/2003	5	4-5	2.86	0.87	1.26	4.43	0.35	0.07	68	12	20
4/22/2003	5	3-4	2.99	0.85	1.31	3.94	0.39	0.07	30	57	13
4/22/2003	5	2-3	3.02	0.87	1.28	3.73	0.38	0.07	42	47	11
4/22/2003	5	1-2	3.50	0.90	1.28	4.31	0.43	0.08	38	51	11
4/22/2003	5	0-1	2.85	0.94	1.13	5.57	0.61	0.10	38	51	11
4/22/2003	6	8-10	3.65	0.82	1.51	3.35	0.22	0.06	43	45	12
4/22/2003	6	6-8	3.17	0.82	1.41	2.58	0.22	0.06	58	23	19
4/22/2003	6	5-6	3.13	0.81	1.41	2.64	0.25	0.06	59	23	18
4/22/2003	6	4-5	2.84	0.86	1.28	3.31	0.29	0.07	68	14	18
4/22/2003	6	3-4	2.75	0.86	1.26	3.12	0.32	0.07	71	7	22
4/22/2003	6	2-3	2.77	0.87	1.26	3.95	0.37	0.08	70	20	10
4/22/2003	6	1-2	2.83	0.88	1.24	3.70	0.36	0.08	68	12	19
4/22/2003	6	0-1	2.70	0.84	1.29	3.84	0.41	0.09	73	11	16
4/22/2003	7	8-10	4.46	0.84	1.56	5.48	0.36	0.08	18	67	15
4/22/2003	7	6-8	4.14	0.73	1.86	3.42	0.20	0.07	28	61	11
4/22/2003	7	5-6	2.56	0.68	1.52	2.90	0.19	0.06	77	16	7
4/22/2003	7	4-5	2.36	0.63	1.52	3.20	0.20	0.06	83	11	6

Sediment Bulk Nutrients, Carbon and Physical Characteristics

date	Station	depth interval	Dry Density (g cc-1)	Porosity	Wet Bulk Density (g cc-1)	% Dry Wt. OC	% Dry Wt. N	% Dry Wt. P	% Sand	% Silt	% Clay
4/22/2003	7	3-4	3.30	0.68	1.75	1.63	0.13	0.06	54	39	7
4/22/2003	7	2-3	3.88	0.72	1.82	1.94	0.17	0.07	36	42	22
4/22/2003	7	1-2	3.33	0.85	1.38	3.82	0.38	0.10	53	34	12
4/22/2003	7	0-1	4.07	0.92	1.28	5.51	0.62	0.13	57	23	19
4/18/2003	8	2-3	1.94	0.35	1.63	0.14	0.01	0.02	96	1	3
4/18/2003	8	1-2	1.94	0.31	1.66	0.18	0.02	0.03	96	1	3
4/18/2003	8	0-1	1.98	0.29	1.70	0.23	0.03	0.04	95	1	4
4/18/2003	9	2-3	1.91	0.33	1.62	0.12	0.01	0.03	97	1	2
4/18/2003	9	1-2	1.94	0.32	1.65	0.13	0.01	0.03	96	1	3
4/18/2003	9	0-1	1.98	0.33	1.67	0.15	0.01	0.04	95	1	4
4/18/2003	10	2-3	1.91	0.29	1.65	0.09	0.01	0.03	97	<1	3
4/18/2003	10	1-2	1.91	0.29	1.66	0.10	0.01	0.03	97	1	2
4/18/2003	10	0-1	1.88	0.27	1.65	0.11	0.01	0.03	98	<1	2
7/11/2003	1	8-10	4.10	0.80	1.64	0.06	0.01	0.03	29	60	11
7/11/2003	1	6-8	3.46	0.83	1.45	0.07	0.01	0.02	49	41	10
7/11/2003	1	5-6	3.62	0.83	1.47	0.05	0.01	0.03	44	46	10
7/11/2003	1	4-5	3.58	0.86	1.39	0.88	0.12	0.04	45	42	12
7/11/2003	1	3-4	3.27	0.86	1.34	0.34	0.03	0.04	55	29	17
7/11/2003	1	2-3	3.21	0.84	1.38	2.95	0.19	0.07	57	25	19
7/11/2003	1	1-2	3.01	0.83	1.37	1.59	0.11	0.06	63	14	23
7/11/2003	1	0-1	3.59	0.96	1.13	2.90	0.20	0.07	24	63	13
7/11/2003	2	8-10	3.46	0.54	2.15	5.52	0.47	0.08	49	39	12
7/11/2003	2	6-8	3.31	0.50	2.17	4.83	0.39	0.10	73	17	10
7/11/2003	2	5-6	3.17	0.53	2.04	4.24	0.39	0.10	42	47	11
7/11/2003	2	4-5	3.04	0.57	1.88	0.14	0.01	0.02	81	11	8
7/11/2003	2	3-4	2.39	0.52	1.68	1.74	0.13	0.06	82	10	8
7/11/2003	2	2-3	2.44	0.63	1.54	0.06	0.01	0.02	81	11	8
7/11/2003	2	1-2	2.63	0.74	1.44	0.06	0.01	0.02	75	9	16
7/11/2003	2	0-1	2.47	0.80	1.31	0.08	0.01	0.02	80	13	7
7/11/2003	3	8-10	1.88	0.45	1.50	0.29	0.03	0.03	98	<1	2
7/11/2003	3	6-8	1.88	0.48	1.47	3.29	0.23	0.08	98	<1	2
7/11/2003	3	5-6	2.65	0.63	1.63	0.43	0.04	0.05	74	19	7
7/11/2003	3	4-5	1.88	0.51	1.45	2.39	0.16	0.06	98	<1	2
7/11/2003	3	3-4	1.88	0.67	1.30	2.21	0.19	0.07	98	<1	2

Sediment Bulk Nutrients, Carbon and Physical Characteristics

date	Station	depth interval	Dry Density (g cc-1)	Porosity	Wet Bulk Density (g cc-1)	% Dry Wt. OC	% Dry Wt. N	% Dry Wt. P	% Sand	% Silt	% Clay
7/11/2003	3	2-3	2.41	0.63	1.54	6.01	0.60	0.10	81	9	9
7/11/2003	3	1-2	2.64	0.68	1.54	6.32	0.64	0.11	75	12	14
7/11/2003	3	0-1	2.20	0.73	1.34	2.86	0.22	0.06	88	6	6
7/11/2003	5	8-10	3.56	0.54	2.18	0.44	0.04	0.04	46	41	13
7/11/2003	5	6-8	4.07	0.65	2.10	2.73	0.24	0.07	30	58	12
7/11/2003	5	5-6	3.88	0.72	1.83	5.68	0.53	0.10	36	39	25
7/11/2003	5	4-5	3.57	0.78	1.58	2.68	0.19	0.06	46	31	24
7/11/2003	5	2-3	3.56	0.73	1.70	4.44	0.34	0.07	46	36	18
7/11/2003	5	2-3	3.27	0.83	1.41	4.17	0.32	0.09	55	34	11
7/11/2003	5	1-2	2.93	0.69	1.61	4.29	0.35	0.09	65	13	22
7/11/2003	5	0-1	3.57	0.79	1.56	1.06	0.07	0.05	46	31	24
7/11/2003	6	8-10	3.52	0.51	2.26	5.11	0.46	0.09	47	42	11
7/11/2003	6	6-8	3.14	0.63	1.81	2.05	0.16	0.07	59	32	9
7/11/2003	6	5-6	2.85	0.62	1.72	2.06	0.16	0.06	73	11	16
7/11/2003	6	4-5	2.61	0.71	1.49	2.30	0.15	0.06	47	42	11
7/11/2003	6	3-4	2.71	0.75	1.44	0.51	0.04	0.04	72	6	21
7/11/2003	6	3-4	2.71	0.75	1.44	0.51	0.04	0.04	72	6	
7/11/2003	6	2-3	2.71	0.75	1.45	4.66	0.26	0.06	72	18	10
7/11/2003	6	1-2	2.75	0.88	1.23	4.02	0.22	0.14	71	14	15
7/11/2003	6	0-1	5.04	0.97	1.14	3.49	0.23	0.06			
7/11/2003	7	8-10	4.07	0.68	1.99	1.39	0.09	0.05	30	59	11
7/11/2003	7	6-8	3.91	0.63	2.11	3.43	0.24	0.06	35	55	10
7/11/2003	7	5-6	3.03	0.50	2.03	1.17	0.09	0.05	58	32	10
7/11/2003	7	4-5	3.26	0.56	2.02	2.16	0.16	0.06	62	27	11
7/11/2003	7	3-4	3.49	0.73	1.70	1.63	0.12	0.06	48	33	19
7/11/2003	7	2-3	2.92	0.70	1.59	2.10	0.16	0.06	66	22	12
7/11/2003	7	1-2	2.97	0.78	1.45	3.34	0.20	0.06	64	15	21
7/11/2003	7	0-1	3.19	0.92	1.20	5.30	0.26	0.12	57	23	19
7/11/2003	8	2-3	1.94	0.35	1.63	4.88	0.49	0.11	96	1	3
7/11/2003	8	1-2	1.94	0.31	1.66	7.80	0.94	0.15	96	1	3
7/11/2003	8	0-1	1.98	0.29	1.70	0.48	0.04	0.04	95	1	4
7/11/2003	9	2-3	1.91	0.33	1.62	0.09	0.00	0.02	97	1	2
7/11/2003	9	1-2	1.94	0.32	1.65	1.10	0.07	0.05	96	1	3
7/11/2003	9	0-1	1.98	0.33	1.67	1.63	0.11	0.05	95	1	4
7/11/2003	10	2-3	1.91	0.29	1.66	2.15	0.12	0.07	97	<1	3

Sediment Bulk Nutrients, Carbon and Physical Characteristics

date	Station	depth interval	Dry Density (g cc-1)	Porosity	Wet Bulk Density (g cc-1)	% Dry Wt. OC	% Dry Wt. N	% Dry Wt. P	% Sand	% Silt	% Clay
7/11/2003	10	1-2	1.91	0.29	1.65	0.06	0.01	0.02	97	1	2
7/11/2003	10	0-1	1.88	0.27	1.65	5.39	0.51	0.10	98	<1	2
9/4/2003	1	8-10	3.59	0.78	1.60	2.90	0.20	0.06	45	46	9
9/4/2003	1	6-8	3.62	0.83	1.46	2.90	0.24	0.06	44	46	10
9/4/2003	1	5-6	3.04	0.80	1.42	2.90	0.27	0.07	62	18	20
9/4/2003	1	4-5	3.06	0.84	1.36	2.90	0.39	0.09	61	22	17
9/4/2003	1	3-4	2.83	0.84	1.31	2.90	0.55	0.09	68	17	15
9/4/2003	1	2-3	3.16	0.84	1.37	2.90	0.51	0.09	58	23	19
9/4/2003	1	1-2	3.04	0.83	1.37	2.90	0.58	0.10	62	20	18
9/4/2003	1	0-1	3.16	0.95	1.12	2.90	0.81	0.12	58	23	19
9/4/2003	2	8-10	2.04	0.41	1.63	1.45	0.09	0.05	93	3	4
9/4/2003	2	6-8	2.04	0.38	1.65	0.75	0.06	0.05	93	3	4
9/4/2003	2	5-6	1.98	0.41	1.59	0.81	0.07	0.05	95	4	1
9/4/2003	2	4-5	2.01	0.47	1.55	0.85	0.09	0.05	94	4	2
9/4/2003	2	3-4	2.11	0.49	1.58	0.81	0.09	0.05	91	7	2
9/4/2003	2	2-3	2.14	0.60	1.47	1.09	0.12	0.05	90	7	3
9/4/2003	2	1-2	2.23	0.71	1.38	1.41	0.18	0.06	87	9	4
9/4/2003	2	0-1	2.44	0.80	1.31	4.18	0.42	0.08	81	11	8
9/4/2003	3	8-10	2.65	0.54	1.78	1.54	0.10	0.05	74	19	7
9/4/2003	3	6-8	2.43	0.54	1.66	1.59	0.09	0.05	81	13	6
9/4/2003	3	5-6	1.88	0.55	1.41	1.13	0.08	0.04	98	1	1
9/4/2003	3	4-5	1.88	0.51	1.45	1.05	0.09	0.04	98	<1	2
9/4/2003	3	3-4	2.65	0.74	1.44	1.20	0.11	0.05	74	19	7
9/4/2003	3	2-3	2.36	0.63	1.52	1.30	0.12	0.05	83	7	10
9/4/2003	3	1-2	2.41	0.66	1.50	1.63	0.15	0.06	81	9	9
9/4/2003	3	0-1	2.64	0.76	1.41	2.26	0.22	0.06	75	12	14
9/4/2003	5	8-10	3.21	0.52	2.08	1.10	0.09	0.05	46	36	18
9/4/2003	5	6-8	2.85	0.56	1.83	1.30	0.11	0.04	68	22	10
9/4/2003	5	5-6	3.04	0.67	1.69	1.76	0.13	0.05	62	28	10
9/4/2003	5	4-5	3.17	0.76	1.54	2.16	0.15	0.05	58	30	12
9/4/2003	5	3-4	3.08	0.71	1.63	1.98	0.15	0.05	61	20	20
9/4/2003	5	2-3	3.06	0.82	1.39	2.01	0.15	0.05	61	27	11
9/4/2003	5	1-2	3.09	0.70	1.64	2.03	0.16	0.05	60	26	13
9/4/2003	5	0-1	3.48	0.79	1.55	2.16	0.17	0.05	48	31	21
9/4/2003	6	8-10	2.72	0.44	1.97	2.13	0.13	0.06	72	20	8
9/4/2003	6	6-8	2.62	0.59	1.68	1.69	0.11	0.06	75	18	7
9/4/2003	6	5-6	2.81	0.62	1.71	2.65	0.18	0.06	69	22	9

Sediment Bulk Nutrients, Carbon and Physical Characteristics

date	Station	depth interval	Dry Density (g cc-1)	Porosity	Wet Bulk Density (g cc-1)	% Dry Wt. OC	% Dry Wt. N	% Dry Wt. P	% Sand	% Silt	% Clay
9/4/2003	6	4-5	2.65	0.71	1.50	2.43	0.16	0.07	74	19	7
9/4/2003	6	3-4	2.37	0.73	1.39	2.20	0.17	0.07	83	8	9
9/4/2003	6	2-3	2.26	0.71	1.38	2.07	0.16	0.07	86	2	12
9/4/2003	6	1-2	2.30	0.86	1.21	1.58	0.15	0.08	85	5	10
9/4/2003	6	0-1	2.30	0.94	1.10	3.19	0.29	0.08	85	5	10
9/4/2003	7	8-10	3.33	0.64	1.86	1.40	0.11	N/R	53	36	11
9/4/2003	7	6-8	3.17	0.57	1.94	1.12	0.09	0.07	58	32	10
9/4/2003	7	5-6	3.04	0.50	2.03	1.30	0.11	0.06	62	27	11
9/4/2003	7	4-5	3.26	0.55	2.02	1.60	0.13	0.06	51	40	9
9/4/2003	7	3-4	3.49	0.73	1.70	3.49	0.27	0.07	52	39	9
9/4/2003	7	2-3	3.92	0.76	1.73	3.42	0.30	0.07	35	38	28
9/4/2003	7	1-2	3.74	0.82	1.52	3.35	0.33	0.07	40	35	24
9/4/2003	7	0-1	3.19	0.92	1.20	5.24	0.58	0.11	55	36	9
9/4/2003	8	2-3	1.91	0.29	1.66	0.154	0.130	0.03	97	<1	3
9/4/2003	8	1-2	1.91	0.29	1.65	0.120	0.137	0.03	97	1	2
9/4/2003	8	0-1	1.88	0.27	1.65	0.106	0.138	0.03	98	<1	2
9/4/2003	9	2-3	1.91	0.33	1.62	0.084	0.139	0.03	97	1	2
9/4/2003	9	1-2	1.94	0.32	1.65	0.085	0.124	0.02	96	1	3
9/4/2003	9	0-1	1.98	0.33	1.67	0.072	0.090	0.02	95	1	4
9/4/2003	10	2-3	1.88	0.57	1.63	0.107	0.145	0.03	97	<1	3
9/4/2003	10	1-2	1.88	0.57	1.66	0.240	0.202	0.02	97	1	2
9/4/2003	10	0-1	1.98	0.29	1.70	0.133	0.165	0.04	98	<1	2

Sediment Porewater Nutrient Data

date	Station	DANR Lab #	MSI Lab #	depth interval	salinity	porewater TKN (umol L ⁻¹)	porewater N+N (umol L ⁻¹)	porewater NH4 (umol L ⁻¹)	porewater SRP (umol L ⁻¹)	porewater TDP (umol L ⁻¹)
9/23/2002	1	15	2014	8-10	0	557.1	1.2	139.9	32.4	38.4
9/23/2002	1	21	2020	6-8	0	704.3	2.2	122.4	90.1	95.6
9/23/2002	1		n/a	5-6	0	.	.	.	.	.
9/23/2002	1	3	2002	4-5	0	979.6	.	260.0	91.2	94.1
9/23/2002	1	2	2001	3-4	0	700.5	.	437.1	79.4	82.6
9/23/2002	1	4	2003	2-3	0	571.4	.	446.6	47.2	51.7
9/23/2002	1	16	2015	1-2	0	657.1	.	391.3	47.9	51.2
9/23/2002	1	11	2010	0-1	0	438.2	.	216.8	32.3	31.1
9/23/2002	1B	24	2023	8-10	0	785.7	2.4	753.9	69.9	78.1
9/23/2002	1B	22	2021	6-8	0	785.7	.	658.0	81.3	89.4
9/23/2002	1B	10	2009	5-6	0	661.2	4.7	554.2	27.0	.
9/23/2002	1B	9	2008	4-5	0	514.3	3.2	495.5	97.6	.
9/23/2002	1B	8	2007	3-4	0	914.3	4.8	565.6	80.5	83.2
9/23/2002	1B	18	2017	2-3	0	948.2	.	786.7	93.8	95.9
9/23/2002	1B	5	2004	1-2	0	636.8	.	666.5	71.9	74.2
9/23/2002	1B	19	2018	0-1	0	885.7	4.3	684.3	69.8	79.6
9/23/2002	7	17	2016	8-10	0	1432.9	2.8	1167.1	193.7	201.9
9/23/2002	7	23	2022	6-8	0	1328.6	.	1476.3	163.6	176.4
9/23/2002	7	13	2012	5-6	0	776.5	2.5	1508.8	187.5	193.3
9/23/2002	7	20	2019	4-5	0	1100.0	1.9	1177.4	170.5	170.8
9/23/2002	7	14	2013	3-4	0	814.3	1.4	852.9	134.7	132.4
9/23/2002	7	12	2011	2-3	0	642.9	.	562.1	145.0	138.8
9/23/2002	7	7	2006	1-2	0	328.6	.	221.5	104.6	105.5
9/23/2002	7	6	2005	0-1	0	242.9	0.8	39.1	56.1	57.0
9/24/2002	5	25	2024	8-10	0	300.0	1.2	115.3	25.8	30.9
9/24/2002	5	26	2025	6-8	0	344.9	1.0	121.4	19.2	24.8
9/24/2002	5	38	2037	5-6	0	475.0	2.0	80.5	7.7	12.8
9/24/2002	5	40	2039	4-5	0	305.4	1.4	78.4	9.1	13.1
9/24/2002	5	39	2038	3-4	0	485.7	.	65.6	6.5	13.9
9/24/2002	5	35	2034	2-3	0	298.6	0.9	49.8	6.3	8.9
9/24/2002	5	29	2028	1-2	0	342.9	1.1	49.2	3.4	9.0
9/24/2002	5	28	2027	0-1	0	240.0	1.0	59.1	3.0	7.2
9/24/2002	6	37	2036	8-9.5	0	442.9	1.6	237.5	22.5	30.3
9/24/2002	6	36	2035	6-8	0	473.9	1.1	228.1	13.3	20.7
9/24/2002	6	33	2032	5-6	0	928.6	3.2	176.6	13.1	17.5
9/24/2002	6	41	2040	4-5	0	337.1	1.7	147.0	11.4	14.0
9/24/2002	6	31	2030	3-4	0	560.0	.	169.3	13.9	21.3
9/24/2002	6	34	2033	2-3	0	655.4	0.9	207.5	13.7	17.7

Sediment Porewater Nutrient Data

Date	Station	DANR Lab #	MSI Lab #	depth interval	salinity	Porewater TKN (umol L ⁻¹)	Porewater N+N (umol L ⁻¹)	Porewater NH4 (umol L ⁻¹)	Porewater SRP (umol L ⁻¹)	Porewater TDP (umol L ⁻¹)
9/24/2002	6	32	2032	1-2	0	535.7	1.9	151.5	13.1	16.9
9/24/2002	6	32	2031	0-1	0	392.9	1.4	120.8	10.1	14.2
9/24/2002	8	44	2043	0-8	0	157.1	.	33.4	18.8	21.5
9/24/2002	10	43	2042	0-8	0	292.9	2.4	11.0	4.4	26.2
9/24/2002	9	45	2044	0-8	0	264.3	0.8	43.7	4.6	8.7
9/23/2002	FB	1	2000	.	0	.	1.3	2.2	0.2	0.6
9/24/2002	FB	27	2026	.	0	11.4	0.3	1.3	0.2	0.3
2/4/2003	1	12	2062	8-10	11	517.0	4.3	302.5	92.4	100.2
2/4/2003	1	14	2064	6-8	9	257.1	5.9	382.6	87.2	97.3
2/4/2003	1	25	2075	5-6	.	257.1	7.6	526.5	35.4	40.0
2/4/2003	1	6	2056	4-5	10	638.9	4.2	705.8	139.9	132.5
2/4/2003	1	10	2060	3-4	11	304.5	5.4	808.0	116.7	121.7
2/4/2003	1	5	2055	2-3	9	700.0	2.9	822.7	147.3	137.4
2/4/2003	1	8	2058	1-2	9	200.0	4.8	645.1	130.0	135.7
2/4/2003	1	22	2072	0-1	6	457.1	2.8	395.7	118.8	128.1
2/4/2003	2	23	2073	8-10	12	1159.3	5.4	749.7	74.0	79.7
2/4/2003	2	21	2071	6-8	.	91.5	16.6	669.2	58.7	61.9
2/4/2003	2	31	2081	5-6	13	.	5.6	688.1	46.6	51.8
2/4/2003	2	18	2068	4-5	11	913.5	6.5	633.7	69.7	72.8
2/4/2003	2	28	2078	2-3	7	975.0	7.3	317.3	26.9	29.1
2/4/2003	2	30	2080	2-3	7	0.0	2.9	772.5	165.2	169.9
2/4/2003	2	17	2067	1-2	.	366.1	10.3	141.6	31.6	34.7
2/4/2003	2	24	2074	0-1	5	852.8	3.4	36.2	43.3	48.1
2/4/2003	7	.	.	8-10	.	.	.	.	.	.
2/4/2003	7	16	2066	6-8	8	219.1	3.4	992.8	265.2	255.3
2/4/2003	7	.	.	5-6	.	.	.	.	.	.
2/4/2003	7	15	2065	4-5	5	1067.6	9.3	1029.8	253.0	285.8
2/4/2003	7	27	2077	3-4	7	805.7	3.0	952.8	258.4	257.2
2/4/2003	7	29	2079	3-4	7	1288.8	6.7	427.6	22.4	23.2
2/4/2003	7	32	2082	1-2	7	87.2	3.2	537.9	145.8	156.7
2/4/2003	7	20	2070	0-1	7	501.4	3.9	194.9	97.8	104.6
2/4/2003	1B	13	2063	8-10	7	1858.4	5.3	386.5	37.2	36.6
2/4/2003	1B	.	n/a	6-8	.	.	.	.	.	.
2/4/2003	1B	.	n/a	5-6	.	.	.	.	.	.
2/4/2003	1B	19	2069	4-5	.	905.2	14.6	447.3	13.6	18.0

Sediment Porewater Nutrient Data

date	Station	DANR Lab #	MSI Lab #	depth interval	salinity	porewater TKN (umol L ⁻¹)	porewater N+N (umol L ⁻¹)	porewater NH4 (umol L ⁻¹)	porewater SRP (umol L ⁻¹)	porewater TDP (umol L ⁻¹)
2/4/2003	1B	9	2059	3-4	10	285.7	3.1	414.7	35.0	37.0
2/4/2003	1B	11	2061	2-3		432.6	5.6	282.6	21.3	23.0
2/4/2003	1B	7	2057	1-2	8	642.9	3.0	288.0	43.6	45.6
2/4/2003	1B	26	2076	0-1	2	128.6	0.5	178.1	85.7	93.1
2/5/2003	5	38	2089	8-10	12	107.1	1.0	74.8	13.6	15.7
2/5/2003	5	52	2103	6-8	11	150.0	0.7	83.7	14.0	13.2
2/5/2003	5	37	2088	5-6	16	128.6	3.7	76.2	11.8	13.7
2/5/2003	5	34	2085	4-5	11	75.0	2.0	75.1	11.5	12.6
2/5/2003	5	36	2087	3-4	13	306.2	5.5	101.8	10.8	12.3
2/5/2003	5	45	2096	2-3	11	238.8	3.6	85.5	8.0	8.8
2/5/2003	5	35	2086	1-2	11	79.6	3.0	93.4	12.1	14.0
2/5/2003	5	48	2099	0-1	9	265.3	3.4	53.6	12.7	14.2
2/5/2003	5B	40	2091	8-10	15	50.0	1.3	79.4	16.0	18.6
2/5/2003	5B	50	2101	6-8	11	121.4	0.5	86.7	7.2	8.3
2/5/2003	5B	42	2093	5-6	12	128.6	2.6	97.4	6.2	7.8
2/5/2003	5B	39	2090	4-5	17	79.6	3.0	102.0	12.3	13.7
2/5/2003	5B	41	2092	3-4	10	128.6	2.6	111.1	12.8	13.9
2/5/2003	5B	43	2094	2-3	15	416.7	2.5	110.2	9.4	10.7
2/5/2003	5B	44	2095	1-2	11	106.1	2.9	106.1	10.6	11.6
2/5/2003	5B	46	2097	0-1	11	191.7	2.7	42.3	10.2	11.5
2/5/2003	6	53	2104	8-10	7	265.3				
2/5/2003	6	51	2102	6-8	9	200.0	3.3	244.7	15.3	18.2
2/5/2003	6	56	2107	5-6	6	85.7				
2/5/2003	6	54	2105	4-5	9	305.4				
2/5/2003	6	55	2106	3-4	11	246.0				
2/5/2003	6	49	2100	2-3	8	219.9	3.5	223.1	22.2	23.0
2/5/2003	6	57	2108	1-2	9	13.3				
2/5/2003	6	47	2098	0-1	7	71.3	1.7	94.6	31.36456317	33.2
2/4/2003	FB	4	2054			2.7	2.5	0.8	0.1	0.0
2/5/2003	FB	33	2084			4.3	2.8	3.2	0.1	0.1
1/31/2003	8	1	2051	0-8	12	7.1	259.4	4.4	17.3	18.7
1/31/2003	9	3	2053	0-8	16	300.0	161.6	1.1	8.7	8.9
1/31/2003	10	2	2052	0-8	11	507.1	254.2	3.0	14.3	15.1
4/22/2003	1	7	2116	8-10	0	600.0	3.8	517.2	36.9	36.8
4/22/2003	1	16	2125	6-8	0	663.2	4.8	542.4	20.1	19.1
4/22/2003	1			5-6						

Sediment Porewater Nutrient Data

date	Station	DANR Lab #	MSI Lab #	depth interval	salinity	porewater TKN (umol L ⁻¹)	porewater N+N (umol L ⁻¹)	porewater NH4 (umol L ⁻¹)	porewater SRP (umol L ⁻¹)	porewater TDP (umol L ⁻¹)
4/22/2003	1	15	2124	4-5	0	1158.9	10.1	1203.5	32.0	32.3
4/22/2003	1	.	.	3-4	.	.	.	.	.	.
4/22/2003	1	33	2142	2-3	0	2028.6	5.5	1932.4	28.9	26.1
4/22/2003	1	11	2120	1-2	0	1687.9	6.9	1565.3	89.4	95.4
4/22/2003	1	21	2130	0-1	0	1544.2	6.8	885.3	150.9	157.2
4/22/2003	2	23	2132	8-10	0	533.9	1.9	476.1	25.6	24.0
4/22/2003	2	.	.	6-8	.	.	.	.	.	.
4/22/2003	2	.	.	5-6	.	.	.	.	.	.
4/22/2003	2	.	.	4-5	.	.	.	.	.	.
4/22/2003	2	.	.	3-4	.	.	.	.	.	.
4/22/2003	2	34	2143	2-3	0	450.0	4.1	263.6	8.1	7.4
4/22/2003	2	35	2144	1-2	0	361.9	3.9	185.1	9.5	7.2
4/22/2003	2	22	2131	0-1	0	235.7	5.8	95.9	3.9	6.4
4/22/2003	5	24	2133	8-10	6	157.1	1.8	23.0	8.9	11.2
4/22/2003	5	25	2134	6-8	4	106.1	1.4	32.5	9.6	10.4
4/22/2003	5	27	2136	5-6	0	232.1	2.2	31.7	5.2	5.9
4/22/2003	5	32	2141	4-5	4	171.4	2.6	46.7	3.0	3.1
4/22/2003	5	28	2137	3-4	2	181.1	1.8	51.2	4.0	4.8
4/22/2003	5	30	2139	2-3	4	140.6	1.6	55.0	8.2	7.3
4/22/2003	5	29	2138	1-2	2	192.3	1.9	41.3	9.1	8.9
4/22/2003	5	31	2140	0-1	7	266.8	0.5	11.9	49.4	56.0
4/22/2003	6	5	2114	8-10	0	171.4	1.3	57.0	11.0	13.0
4/22/2003	6	12	2121	6-8	0	120.0	1.1	59.3	7.5	8.1
4/22/2003	6	18	2127	5-6	0	171.4	3.3	51.4	6.0	6.0
4/22/2003	6	6	2115	4-5	0	205.7	5.1	68.0	9.2	11.2
4/22/2003	6	8	2117	3-4	0	196.4	6.3	81.5	10.0	9.3
4/22/2003	6	9	2118	2-3	0	204.3	3.6	81.2	12.8	14.1
4/22/2003	6	10	2119	1-2	0	230.8	2.3	28.0	14.8	17.2
4/22/2003	6	20	2129	0-1	0	187.5	1.5	8.5	44.1	41.6
4/22/2003	7	13	2122	8-10	0	1187.5	4.1	1179.8	338.8	282.9
4/22/2003	7	17	2126	6-8	0	1162.9	2.9	1205.1	222.8	215.4
4/22/2003	7	.	.	5-6	.	.	.	.	.	.
4/22/2003	7	.	.	4-5	.	.	.	.	.	.
4/22/2003	7	.	.	3-4	.	.	.	.	.	.
4/22/2003	7	19	2128	2-3	0	1300.0	9.9	1065.4	73.5	72.7
4/22/2003	7	14	2123	1-2	10	1585.7	9.4	1432.4	207.9	210.6
4/22/2003	7	26	2135	0-1	4	1371.4	4.5	1230.6	179.6	182.3

Sediment Porewater Nutrient Data

date	Station	DANR Lab #	MSI Lab #	depth interval	salinity	porewater TKN (umol L ⁻¹)	porewater N+N (umol L ⁻¹)	porewater NH4 (umol L ⁻¹)	porewater SRP (umol L ⁻¹)	porewater TDP (umol L ⁻¹)
4/18/2003	8	1	2110	0-8	20	557.1	1.6	230.0	17.6	17.2
4/18/2003	10	2	2111	0-8	20	135.7	87.2	44.7	9.7	13.5
4/18/2003	9	3	2112	0-8	27	192.9	1.1	73.0	19.4	26.0
4/22/2003	FB	4	2113			14.3				
7/11/2003	1	7	2151	8-10	4	950.0	2.4	857.5	55.3	59.6
7/11/2003	1	6	2150	6-8	4	1085.7	3.5	1011.4	71.7	75.2
7/11/2003	1	11	2155	5-6	22		3.1	1232.4	44.6	35.4
7/11/2003	1	37	2181	4-5	0	1178.6	1.4	2279.0	27.5	33.7
7/11/2003	1	15	2159	3-4	9	1468.7	3.2	1555.1	131.9	146.6
7/11/2003	1	19	2163	2-3	14	1619.3	4.3	1460.5	134.5	129.3
7/11/2003	1	9	2153	1-2	18	1260.9	1.9	1239.7	149.5	163.7
7/11/2003	1	28	2172	0-1	0	259.9	3.3	46.3	58.4	56.8
7/11/2003	2	5	2149	8-10	19		0.7	382.3	39.6	39.6
7/11/2003	2			6-8	0	0.0				
7/11/2003	2			5-6	0	0.0				
7/11/2003	2			4-5	0	0.0				
7/11/2003	2	14	2158	3-4	20		3.0	411.9	15.8	
7/11/2003	2	12	2156	2-3	11	400.0	1.3	342.2	48.9	22.5
7/11/2003	2	8	2152	1-2	12	326.7	2.2	233.3	23.8	26.8
7/11/2003	2	10	2154	0-1	10	118.1	2.8	58.5	28.6	29.3
7/11/2003	3	13	2157	0-1	9	194.1	3.4	115.5	37.8	0.0
7/11/2003	5	38	2182	8-10	7	200.0	0.3	130.3	10.4	11.7
7/11/2003	5	36	2180	6-8	9	250.0	0.6	149.2	15.8	18.2
7/11/2003	5	31	2175	5-6	6	246.9	1.3	139.2	12.0	19.1
7/11/2003	5	21	2165	4-5	4	228.6	2.8	142.7	11.5	13.6
7/11/2003	5	17	2161	2-3	12	175.9	1.5	128.4	21.0	22.2
7/11/2003	5	18	2162	2-3	11	350.0	2.6	194.3	16.9	20.2
7/11/2003	5	16	2160	1-2	12	84.3	1.0	16.7	23.2	25.6
7/11/2003	5	22	2166	0-1	0	119.4	1.7	0.9	29.7	31.9
7/11/2003	6	24	2168	8-10	0	263.4		146.1	22.6	24.1
7/11/2003	6	23	2167	6-8	21	257.1	17.5	130.0	17.8	20.0
7/11/2003	6			5-6						
7/11/2003	6			4-5						
7/11/2003	6	29	2173	3-4	0	582.4	5.3	345.0	19.2	21.0
7/11/2003	6	32	2176	3-4	0	189.0	2.4	98.2	15.9	14.9
7/11/2003	6	20	2164	2-3	7	677.1	1.0	522.2	66.5	69.1

Sediment Porewater Nutrient Data

date	Station	DANR Lab #	MSI Lab #	depth interval	salinity	porewater TKN (umol L ⁻¹)	porewater N+N (umol L ⁻¹)	porewater NH4 (umol L ⁻¹)	porewater SRP (umol L ⁻¹)	porewater TDP (umol L ⁻¹)
7/11/2003	6	39	2183	1-2	10	600.0	0.9	498.2	84.6	89.1
7/11/2003	6	27	2171	0-1	8	530.4	1.7	363.0	59.3	67.0
7/11/2003	7	25	2169	8-10	0	1142.9	1.4	1056.6	215.9	220.8
7/11/2003	7	26	2170	6-8	3	1010.2	1.3	872.7	207.4	218.7
7/11/2003	7			5-6	0	0.0				
7/11/2003	7			4-5	0	0.0				
7/11/2003	7	34	2178	3-4	0	708.8	3.0	629.2	90.9	100.9
7/11/2003	7	35	2179	2-3	6	811.1	3.6	376.2	95.8	101.7
7/11/2003	7	33	2177	1-2	8	704.8	1.5	574.0	134.3	295.1
7/11/2003	7	30	2174	0-1	3	354.4	1.9	284.2	113.5	106.0
7/11/2003	8	1	2145	0-8		21.4	1.3	1.2	2.7	3.6
7/11/2003	9	3	2147	0-8		21.4	0.9	1.2	3.1	5.1
7/11/2003	10	2	2146	0-8		107.1	14.0	34.1	8.4	9.5
7/11/2003	LB	4	2148		0	4.3	3.0	2.3	0.1	0.3
9/3/2003	FB	4	2187		0	2.9	1.3	5.6	1.3	1.2
9/4/2003	1	32	2215	8-10	0	1771.4	2.1	1532.0	94.6	181.1
9/4/2003	1	12	2195	6-8	0	1573.0	1.0	1323.0	283.9	595.2
9/4/2003	1	22	2206	5-6	0	232.0	1.6	1020.7	227.0	49.7
9/4/2003	1	8	2191	4-5	0	1828.6	2.1	1446.5	434.2	785.0
9/4/2003	1	13	2197	3-4	0	357.1	1.5	765.0	157.3	298.1
9/4/2003	1	20	2204	2-3	0		2.0	635.1	70.9	9.1
9/4/2003	1	28	2210	1-2	0	35.7	1.6	24.3	6.7	22.5
9/4/2003	1	16	2196	0-1	0	254.2	1.3	34.8	30.3	77.9
9/4/2003	2	37	2221	1-2	0	55.3	0.7	4.1	13.3	33.2
9/4/2003	2	38	2222	0-1	0	60.4	2.2	12.4	15.8	43.6
9/4/2003	3			8-10						
9/4/2003	3	34	2217	6-8	0		3.2	35.4	15.5	33.2
9/4/2003	3			5-6						
9/4/2003	3			4-5						
9/4/2003	3	39	2223	3-4	0		3.1	30.4	11.3	29.2
9/4/2003	3	40	2224	2-3	0	125.8	1.2	10.2	5.6	17.9
9/4/2003	3	35	2219	1-2	0	79.4	0.8	9.9	7.2	22.7
9/4/2003	3	36	2220	0-1	0	60.4	1.0	4.5	2.8	14.7
9/4/2003	5			8-10						
9/4/2003	5	23	2207	6-8	0	1028.6	2.1	38.1	17.1	73.3

Sediment Porewater Nutrient Data

date	Station	DANR Lab #	MSI Lab #	depth interval	salinity	porewater TKN (umol L ⁻¹)	porewater N+N (umol L ⁻¹)	porewater NH4 (umol L ⁻¹)	porewater SRP (umol L ⁻¹)	porewater TDP (umol L ⁻¹)
9/4/2003	5	33	2216	5-6	0	51.6	1.6	90.1	19.7	41.3
9/4/2003	5	27	2211	4-5	0	1114.3	2.1	828.6	164.6	30.5
9/4/2003	5	5	2188	3-4	0	150.0	1.3	30.7	11.0	30.2
9/4/2003	5	29	2212	2-3	0	61.6	1.1	25.4	9.6	24.2
9/4/2003	5	31	2214	1-2	0	80.5	1.7	19.6	6.9	17.7
9/4/2003	5	30	2213	0-1	0	803.6	3.6	26.3	8.2	22.3
9/4/2003	6	9	2192	8-10	0	212.6	1.7	86.0	12.7	33.2
9/4/2003	6	6	2189	6-8	0	117.9	1.2	36.9	14.0	33.9
9/4/2003	6	17	2200	5-6	0	355.9	3.6	38.9	4.6	13.8
9/4/2003	6	18	2201	4-5	0	53.2	1.2	22.6	3.5	11.2
9/4/2003	6	19	2203	3-4	0	85.7	0.9	23.4	11.5	148.4
9/4/2003	6	26	2209	2-3	0	17.9	0.8	12.1	7.2	199.6
9/4/2003	6	10	2193	1-2	0	67.3	1.5	15.6	1.5	9.2
9/4/2003	6	11	2194	0-1	0	44.4	0.9	6.8	0.6	9.5
9/4/2003	7	21	2205	8-10	0	897.6	15.8	167.6	3.7	224.4
9/4/2003	7	7	2190	6-8	8	342.9	2.4	184.8	8.8	26.9
9/4/2003	7	.	.	5-6	.	.	.	.	.	.
9/4/2003	7	.	.	4-5	.	.	.	.	.	.
9/4/2003	7	.	.	3-4	.	.	.	.	.	.
9/4/2003	7	25	2208	2-3	0	135.9	1.0	69.7	27.4	20.5
9/4/2003	7	14	2198	1-2	0	554.5	1.8	81.4	51.3	125.6
9/4/2003	7	15	2199	0-1	0	135.4	1.4	91.7	97.6	202.4
9/4/2003	8	1	2184	0-8	0	.	0.6	4.0	2.2	9.5
9/4/2003	9	3	2186	0-8	0	121.4	0.5	83.4	17.4	39.3
9/4/2003	10	2	2185	0-8	0	28.6	0.6	4.1	2.2	6.6

Be-7 Inventory and Pb-210 Activity Data

Mid-Depth (cm)	24-Sep-02		1-Feb-03		3-Apr-03		22-Apr-03		11-Jul-03		5-Sep-03	
	Be-7 (dpm/cm2)	Be err	Be-7 (dpm/cm2)	Be err	Be-7 (dpm/cm2)	Be err	Be-7 (dpm/cm2)	Be err	Be-7 (dpm/cm2)	Be err	Be-7 (dpm/cm2)	Be err
Malibu Lagoon Site 1												
0.5	0		1.059	0.16	1.625	0.233	2.152	0.207	0		0.965	0.184
1.5	0.928	0.135	1.281	0.157	0.988	0.162	0.422	0.177	0.239	0.089	0.454	0.081
2.5	0		0		0.58	0.139	0.21	0.177	0.708	0.194	0.536	0.092
3.5					0		0		0		0.233	0.042
4.5											0	
5.5											0	
Malibu Lagoon Site 5												
0.5	0		0.597	0.595	5.062	0.743	2.573	0.265	0.742	0.157	0	
1.5	0		0.593	0.32	5.64	0.85	2.08	0.241	1.512	0.251	0	
2.5	0		0		3.838	0.639	1.049	0.229	0			
3.5					1.895	0.328	1.177	0.239				
4.5					0		0.704	0.242				
5.5							0					
Malibu Lagoon Site 6												
0.5	0		1.187	0.215	1.7	0.229	1.799	0.249	0		0	
1.5	0		0.31	0.168	1.68	0.211	0.411	0.216	0.968	0.225	0.47	0.086
2.5	0		0		0.865	0.113	0		0.931	0.161	0.763	0.109
3.5					0		0				0	
4.5											0	
Malibu Lagoon Site 7												
0.5	0		0.498	0.158	not sampled		3.825	0.244	1.094	0.227	0	
1.5	0		0.44	0.232			0.881	0.193	1.136	0.195	0.551	0.094
2.5	0		0				0		0		0	
3.5							0				0	

Be-7 Inventory and Pb-210 Activity Data

Mid-depth cm	ex Pb-210 dpm/g	Pb err	Ra-226 dpm/g	Ra err	Cs-137 dpm/g	Cs err
0.5	0.994	0.283	1.672	0.329	0.038	0.06
1.5	1.341	0.275	1.301	0.218	0	
2.5	2.427	0.314	1.21	0.316	0.168	0.068
3.5	1.2	0.24	1.427	0.13	0.028	0.066
4.5	2.248	0.303	1.3	0.331	0	
5.5	0.25	0.3	1.396	0.19	0	
7	bd		1.804	0.157	0	
9	0.453	0.299	1.937	0.041	0.084	0.078
11	bd		1.621	0.052	0.401	0.1

Carbon and Nitrogen Stable Isotope Data

Date	Site	Depth Interval	N-15 (‰)	C-13 (‰)
2/13/2002	1	0-2	7.62	-22.88
2/13/2002	2	0-2	7.95	-23.61
4/24/2002	1	0-2	8.33	-24.20
4/24/2002	1	0-2	8.86	-24.10
9/23/2002	1	0-2	8.29	-24.57
9/23/2002	1	0-2	8.21	-25.36
9/23/2002	7	0-2	12.55	-26.43
9/23/2002	7	0-2	11.87	-25.53
9/24/2002	3	0-2	12.26	-24.67
9/24/2002	5	0-2	7.52	-23.68
9/24/2002	5	0-2	8.04	-25.18
9/24/2002	6	0-2	6.64	-25.96
9/24/2002	6	0-2	6.69	-29.74
2/4/2003	1	0-1	8.83	-22.86
2/4/2003	1	0-1	9.74	-23.12
2/4/2003	1	0-1	8.57	-23.67
2/4/2003	2	0-1	14.29	-21.85
2/4/2003	2	0-1	12.00	-23.49
2/4/2003	7	0-1	12.34	-24.11
2/4/2003	7	0-1	11.14	-25.14
2/5/2003	5	0-1	7.99	-23.27
2/5/2003	5	0-1	8.52	-23.50
2/5/2003	5	0-1	7.78	-23.25
2/5/2003	6	0-1	11.22	-23.11
4/22/2003	1	0-1	9.21	-26.43
4/22/2003	1	0-1	10.90	-20.99
4/22/2003	2	0-1	9.84	-23.98
4/22/2003	2	0-1	7.89	-20.96
4/22/2003	5	0-1	10.55	-25.36
4/22/2003	5	0-1	8.23	-23.44
4/22/2003	6	0-1	12.67	-26.11
4/22/2003	7	0-1	12.33	-22.75
4/22/2003	7	0-1	10.32	-21.70
7/11/2003	1	0-1	10.89	-20.61
7/11/2003	3	0-1	11.47	-20.17
7/11/2003	3	0-1	11.43	-20.25
7/11/2003	5	0-1	8.93	-24.44
7/11/2003	6	0-1	8.78	-24.06
7/11/2003	7	0-1	11.79	-23.26
7/11/2003	7	0-1	15.95	-24.36
7/11/2003	8	0-1	9.68	-23.51
7/11/2003	10	0-1	5.09	-28.47
9/5/2003	1	0-1	10.20	-22.29
9/5/2003	1	0-1	11.05	-23.99
9/5/2003	2	0-1	9.24	-22.89
9/5/2003	2	0-1	9.79	-23.10
9/5/2003	3	0-1	8.59	-23.67
9/5/2003	5	0-1	8.64	-21.15
9/5/2003	6	0-1	10.70	-15.85
9/5/2003	7	0-1	9.07	-23.65
9/5/2003	7	0-1	9.96	-16.64

Carbon and Nitrogen Stable Isotope Data