1999 Stream Chemistry Data

**** PROVISIONAL DATA ONLY ****

(These data have not been reviewed or edited and may be subject to significant change and are not citeable.)

ANC: Acid Neutralizing Capacity
DIC: Dissolved Inorganic Carbon
DOC: Dissolved Organic Carbon
Ca: Calcium
Mg: Magnesium
K: Potassium
Na: Sodium
Si: Silicon
Al: Aluminum
Cl: Chloride
NO_3: Nitrate
SO_4: Sulfate
NH_4: Ammonium
Total P: Total Phosphorus
Total N: Total Nitrogen

Sample site	Sample date	pH	ANC (ueq/L)	DIC (mg/L)	Cond (uS/cm)	Color (PCU)	DOC (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Na (mg/L)	Si (mg/L)	Al (µg/L)	Cl (mg/L)	NO3 (mg/L)	SO4 (mg/L)	NH4 (mg/L)	Total P (mg/L)	Total N (mg/L)
Babson	5/10/99	6.05	86	1.40	73	210	17.0	2.36	0.83	0.44	9.83	1.83	253.0	16.2	0.03	1.6	<0.05	17	0.57
Babson	6/17/99	6.44	242	4.30	540	225	14.4	11.80	2.99	1.22	82.5	2.51	214.0	154	0.10	5.1	0.07	26	0.60
Babson	7/14/99	6.44	286	4.90	690	275	16.5	14.40	3.11	1.54	118	2.40	175.0	208	0.08	5.1	0.09	29	0.70
Babson	8/26/99	6.46	361	6.60	1200	249	12.6	41.40	6.96	2.31	330	3.00	97.2	621	0.04	12.4	<0.05	34	0.69
Babson filt.	8/26/99	na	na	na	na	na	15.6	is	is	is	is	is	is	234	0.04	5.8	<0.05	na	na
Babson	9/20/99	6.27	120	2.10	25	171		7.03	2.45	0.81	37.5	4.9	282.0	55	0.10	14.9	<0.05	29	0.98
Babson	10/19/99	5.25	39	1.50	75	239	28.1	2.55	1.06	0.39	8.70	3.70	339.0	16.1	0.01	4.3	0.06	11	0.72
Babson	11/15/99	5.14	19	1.10	62	177	19.5	2.09	0.97	0.29	7.13	3.10	309.0	11.5	0.02	3.1	<0.05	7.5	0.50
Babson	12/15/99	5.03	14.8	1.00	56	128	12.3	1.59	0.66	0.21	6.46	2.60	207.0	11.8	0.03	3.0	<0.05	8.1	0.41
Breakneck	5/11/99	6.61	146	2.40	43	24	2.5	2.50	0.61	0.28	4.19	0.72	26.6	6.4	0.03	2.2	<0.05	6.8	0.18
Breakneck	6/16/99	6.93	247	4.20	53	8	1.4	3.98	0.89	0.34	5.40	1.41	9.0	6.5	0.27	2.5	<0.05	7.0	0.43
Breakneck	7/12/99	6.84	277	4.40	52	8	1.7	3.97	0.86	0.31	5.19	1.10	10.0	6.7	0.18	2.2	<0.05	5.5	0.30
Breakneck	8/26/99	6.91	381	5.60	71	5	1.5	4.75	1.03	0.32	6.92	1.40	<10	7.2	0.17	3.3	<0.05	3.4	0.30
Breakneck filt.	8/26/99	na	na	na	na	na	1.3	4.82	0.97	0.32	6.75	1.40	<10	7.2	0.17	3.3	<0.05	na	na
Breakneck	9/21/99	6.86	247	3.40	55	13	3.0	3.71	0.79	0.27	6.50	0.96	<10	6.9	0.02	2.4	<0.05	6.7	0.24
Breakneck	10/20/99	6.45	91	1.80	44	29	4.1	2.19	0.53	0.26	4.45	2.40	33.4	7.3	0.01	3.4	<0.05	3.8	0.20
Breakneck	11/15/99	6.45	71	1.70	39	23	3.5	1.97	0.51	0.21	4.36	2.20	67.4	6.9	0.02	2.6	<0.05	5.6	0.17
Breakneck	12/13/99	6.36	46	1.20	33	26	3.3	1.49	0.38	0.14	3.35	2.00	87.2	5.4	0.18	2.5	<0.05	2.3	0.16
Hadlock (Low)	5/10/99	6.66	214	3.40	90	n/d	4.0	4.19	1.26	0.69	7.38	2.70	103.0	11.9	0.05	5.0	<0.05	19.0	0.49
Hadlock (Low)	6/16/99	6.72	173	3.00	75	40	3.5	3.56	1.00	0.90	8.56	1.88	73.0	13.3	0.03	3.8	0.05	16.0	0.33
Hadlock (Low)	7/14/99	6.60	150	3.00	69	49	4.1	3.02	0.80	0.43	6.55	1.30	46.0	11.6	0.04	3.0	0.13	17.0	0.03
Hadlock (Low)	8/24/99	6.69	157	2.70	62	44	3.5	2.78	0.78	0.34	6.43	1.00	40.6	10.6	0.02	3.0	<0.05	19.0	0.22
Hadlock (Low) filt	8/24/99	na	na	na	na	na	2.9	2.93	0.70	0.39	6.95	0.94	35.1	11.3	0.02	3.1	<0.05	na	na
Hadlock (Low)	9/21/99	6.57	133	2.70	89	20	3.8	4.13	1.26	0.72	7.00	2.30	32.2	13.6	0.04	10.1	<0.05	11.0	0.28
Hadlock (Low)	10/20/99	6.33	137	3.20	79	44	5.3	3.77	1.04	0.87	7.15	3.80	89.9	14.0	0.13	6.4	<0.05	7.5	0.38
Hadlock (Low)	11/16/99	6.16	36	0.90	52	23	3.9	2.19	0.66	0.39	6.09	1.10	74.3	10.4	0.01	4.7	<0.05	3.8	0.23
Hadlock (Low)	12/14/99	5.85	36	1.30	54	26	4.2	2.24	0.63	0.41	5.28	1.50	98.5	10.6	0.03	4.5	<0.05	2.8	0.23
Heath	5/11/99	5.26	22	2.20	39	135	12.2	1.32	0.63	0.17	4.39	1.35	213.0	6.9	0.01	2.6	<0.05	7.3	0.37
Heath	6/15/99	5.65	48	1.40	40	272	18.9	1.74	0.84	0.40	5.80	1.91	328.0	7.7	0.02	1.0	0.05	23	0.78
Heath	7/14/99	5.97	59	1.40	50	263	19.1	1.59	0.81	0.38	5.46	2.10	243.0	9.2	0.04	1.4	0.07	21	0.90
Heath	8/25/99	5.87	51	1.50	51	297	17.2	1.46	0.76	0.34	6.52	1.50	272.0	9.7	0.01	2.1	<0.05	46	1.10
Heath filt.	8/25/99	na	na	na	na	na	18.4	1.52	0.81	0.36	6.71	1.40	287.0	9.9	0.01	2.2	<0.05	na	na
Heath	9/20/99	5.38	33	6.10	86	170	22.4	4.31	2.10	0.58	9.26	4.00	308.0	10.0	0.04	15.5	<0.05	20	0.95
Heath	10/19/99	4.96	12.0	3.80	63	159	21.6	2.15	1.00	0.26	6.13	3.30	352.0	10.1	0.02	5.6	<0.05	8.4	0.80
Heath	11/15/99	4.88	-8.80	2.60	63	122	16.6	2.04	1.01	0.24	6.51	3.20	311.0	10.4	0.06	5.4	<0.05	6.9	0.48
Heath	12/14/99	4.72	-4.97	1.80	55	94	11.7	1.72	0.83	0.20	5.11	2.80	262.0	9.5	0.02	4.9	<0.05	3.5	0.34
Hunters	5/10/99	6.42	97	1.70	47	15	2.1	2.23	0.80	0.35	4.64	3.17	64.3	7.4	0.01	4.4	<0.05	3.8	0.03
Hunters	6/16/99	6.75	168	2.70	54	12	1.3	3.13	1.01	0.42	5.48	3.91	33.6	7.6	0.04	4.3	<0.05	3.8	0.18
Hunters	7/14/99	6.84	208	3.40	63	11	2.1	3.21	1.08	0.42	5.47	3.70	30.5	8.1	0.08	4.0	0.08	3.7	0.20
Hunters	8/24/99	6.85	256	4.40	63	13	1.3	3.58	1.08	0.40	5.48	4.00	24.1	7.3	0.05	3.9	<0.05	7.2	0.12
Hunters filt.	8/24/99	na	na	na	na	na	1.5	3.79	1.27	0.40	6.41	3.90	17.3	7.7	0.05	4.1	<0.05	na	na
Hunters	9/21/99	6.61	148	2.40	66	8	2.2	3.08	1.08	0.47	4.95	3.60	23.6	10.4	0.02	5.5	<0.05	4.2	0.16
Hunters	10/19/99	6.27	70	1.80	50	17	2.3	1.97	0.68	0.32	5.20	3.20	68.9	9.7	0.00	4.6	<0.05	2.0	0.09
Hunters	11/16/99	6.18	37	1.10	50	13	2.4	1.88	0.75	0.24	6.10	2.80	120.0	9.9	0.00	4.4	<0.05	1.9	0.08
Hunters	12/13/99	6.34	31	1.20	44	13	2.3	1.55	0.59	0.23	4.45	2.60	119.0	7.4	0.01	4.6	<0.05	<1.0	0.10
Man Of War	5/11/99	6.34	112	2.40	49	28	4.0	3.20	0.68	0.27	4.36	2.98	129.0	7.2	0.05	4.4	<0.05	5.2	0.24
Man Of War	6/17/99	6.63	170	2.90	51	17	2.8	4.11	0.78	0.32	4.79	3.31	62.9	7.1	0.07	3.8	<0.05	5.5	0.25

Si: Silicon

Sample site	Sample date	pH	ANC (ueq/L)	DIC (mg/L)	Cond (uS/cm)	Color (PCU)	DOC (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Na (mg/L)	Si (mg/L)	Al (µg/L)	Cl (mg/L)	NO3 (mg/L)	SO4 (mg/L)	NH4 (mg/L)	Total P (mg/L)	Total N (mg/L)
Man Of War	7/12/99	6.51	201	4.40	55	18	3.0	4.08	0.76	0.31	4.65	2.90	70.2	7.5	0.08	3.4	<0.05	7.6	0.20
Man Of War	9/20/99	6.25	80	2.10	86	19	6.6	6.59	1.39	0.29	7.71	3.40	115.0	10.5	0.01	16.3	<0.05	8.2	0.27
Man Of War	10/19/99	6.32	132	2.40	99	106	12.6	3.97	1.58	0.96	9.50	4.30	220.0	19.7	0.12	8.1	0.05	8.9	0.51
Man Of War	11/15/99	6.06	88	2.40	90	127	14.4	3.81	1.49	1.00	9.89	3.30	214.0	17.3	0.47	6.9	<0.05	9.9	0.93
Man Of War	12/14/99	5.90	40	1.80	80	73	8.8	2.46	0.56	0.19	5.35	3.00	136.0	8.7	<0.01	4.7	<0.05	4.6	0.52
Marshall	5/11/99	6.47	187	2.90	100	84	8.3	4.44	1.79	0.94	11.10	2.91	166.0	19.7	0.25	5.9	<0.05	11	0.48
Marshall	6/16/99	7.21	378	5.10	140	47	4.8	7.82	3.04	0.85	14.60	3.79	47.2	26.3	0.14	5.3	<0.05	8.7	0.40
Marshall	7/14/99	7.16	378	5.70	160	39	3.8	8.17	3.11	0.84	16.70	4.10	32.0	34.4	0.22	5.0	0.05	7.7	0.40
Marshall	8/25/99	7.17	346	3.60	160	19	2.1	8.23	2.61	0.89	15.90	4.60	11.6	35.2	0.20	5.3	<0.05	5.5	0.34
Marshall filt.	8/25/99	na	na	na	na	na	3.4	8.17	2.93	0.90	18.10	4.40	11.2	35.5	0.20	5.3	<0.05	na	na
Marshall	9/20/99	6.70	158	2.50	140	69	10.3	7.41	2.76	1.06	18.80	4.10	122.0	26.6	0.15	17.2	<0.05	14	0.62
Marshall	10/19/99	6.10	73	2.60	56	33	6.0	3.01	0.64	0.21	5.33	3.20	158.0	10.5	0.00	4.9	<0.05	3.0	0.18
Marshall	11/15/99	5.71	37	1.50	53	38	6.6	2.85	0.70	0.17	5.73	2.70	292.0	10.3	0.00	4.6	<0.05	3.4	0.18
Marshall	12/14/99	6.55	62	1.50	49	20	3.7	3.15	1.22	0.72	8.4	2.80	234.0	15.1	0.24	6.6	<0.05	7.2	0.16
Old Mill	5/11/99	6.32	95	2.40	53	30	3.5	2.31	0.66	0.25	6.34	2.71	97.0	10.3	0.03	2.0	<0.05	5.2	0.25
Old Mill	6/15/99	6.51	190	4.10	66	30	3.2	3.85	1.11	0.17	7.27	2.92	43.4	12.6	0.05	2.0	<0.05	7.6	0.02
Old Mill	7/13/99	6.39	218	5.20	67	37	3.8	3.33	0.88	0.41	7.07	2.30	63.8	12.4	0.02	1.4	<0.05	11	0.30
Old Mill	8/25/99	6.51	159	3.50	65	29	4.1	2.64	0.79	0.40	7.45	0.93	51.2	12.4	0.04	0.8	<0.05	11	0.33
Old Mill filt.	8/25/99	na	na	na	na	na	4.4	2.79	0.82	0.45	7.58	0.85	49.1	6.5	0.05	0.8	<0.05	na	na
Old Mill	9/20/99	6.41	91	2.30	85	18	4.7	5.29	1.47	0.36	8.82	3.50	59.1	10.6	0.04	14.4	<0.05	10	0.33
Old Mill	10/21/99	6.10	53	1.80	52	36	5.9	2.05	0.59	0.21	5.91	3.40	138.0	10.9	0.01	3.0	<0.05	3.9	0.20
Old Mill	11/17/99	5.97	43	1.60	46	22	3.8	1.65	0.48	0.18	5.21	2.90	110.0	9.4	0.02	2.7	<0.05	1.8	0.14
Old Mill	12/14/99	6.27	37	1.40	41	22	3.4	1.47	0.44	0.16	4.34	2.50	123.0	7.4	0.03	2.8	<0.05	1.7	0.17
Otter	5/10/99	6.26	38	0.70	33	8	1.3	1.25	0.45	0.23	3.54	2.26	54.2	5.6	0.01	3.5	<0.05	1.4	0.03
Otter	6/17/99	6.78	115	2.00	42	10	1.0	2.42	0.64	0.29	4.32	2.93	28.9	6.4	0.02	2.9	<0.05	4.3	0.16
Otter	7/12/99	6.58	138	3.10	46	7	1.1	2.81	0.63	0.32	4.26	2.90	27.8	6.8	0.04	2.7	0.05	3.4	0.10
Otter	8/24/99	6.93	217	3.80	52	5	0.7	3.92	0.70	0.30	4.42	3.10	16.9	6.1	0.04	3.2	<0.05	2.4	0.09
Otter filt.	8/24/99	na	na	na	na	na	0.9	4.12	0.74	0.31	4.63	3.10	<10	6.3	0.04	3.2	<0.05	na	na
Otter	9/20/99	6.67	72	1.60	53	6	1.6	2.80	0.79	0.33	6.29	2.80	18.9	8.8	0.04	5.4	<0.05	5.0	0.14
Otter	10/20/99	6.14	30	0.90	38	10	1.7	1.32	0.44	0.21	4.25	2.70	54.3	7.1	0.00	3.6	<0.05	1.2	0.08
Otter	11/16/99	6.02	16	0.70	39	8	1.7	1.20	0.45	0.21	4.30	2.20	73.8	8.1	0.00	3.3	<0.05	<1.0	0.06
Otter	12/13/99	5.86	15	0.70	32	7	1.5	1.00	0.39	0.15	3.4	2.00	82.2	5.6	0.01	3.6	<0.05	1.2	0.08
Stanley	5/10/99	6.52	158	2.70	71	41	4.1	3.62	1.01	0.79	7.17	3.38	103.0	11.6	0.15	4.6	<0.05	5.0	0.27
Stanley	6/16/99	7.08	252	3.40	92	14	1.7	5.30	1.54	1.01	9.27	3.82	30.7	14.7	0.25	5.4	0.11	5.2	0.38
Stanley	7/14/99	7.16	288	4.30	99	11	1.5	5.38	1.55	0.97	8.30	4.00	23.0	14.5	0.28	5.3	0.06	4.8	0.40
Stanley	8/24/99	7.26	354	4.80	98	13	1.4	6.04	1.44	0.93	8.86	4.30	21.1	14.2	0.26	5.4	<0.05	4.2	0.35
Stanley filt.	8/24/99	na	na	na	na	na	1.4	5.96	1.47	0.96	8.90	4.20	11.7	14.3	0.26	5.3	<0.05	na	na
Stanley	9/21/99	7.13	327	4.30	110	19	2.8	5.67	1.60	1.03	8.22	4.00	24.7	15.3	0.16	8.0	<0.05	6.6	0.33
Stanley	10/19/99	6.53	147	2.60	58	65	7.5	3.73	1.06	0.69	7.85	4.00	145.0	15.8	0.09	6.5	<0.05	5.0	0.34
Stanley	11/16/99	6.52	88	1.50	71	46	6.1	3.21	1.08	0.51	8.42	3.10	180.0	13.7	0.14	5.6	<0.05	4.2	0.33
Stanley	12/13/99	6.64	92	1.80	68	36	4.7	3.03	0.85	0.64	6.7	3.00	152.0	12.2	0.20	5.4	<0.05	3.3	0.36