Fish Mercury Long Term Monitoring
2008 Annual Data Report

Massachusetts Department of Environmental Protection
Office of Research and Standards
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INTRODUCTION

This report presents data collected as part of the Massachusetts Department of Environmental Protection's Fish Mercury Long Term Monitoring Research Program. An overview of the research program and the methods used for data collection, analysis and study design are presented in a separate Methods Report (MassDEP, 2010).

The lakes sampled in the program and attributes of the lakes, including their geographic location, are in the Methods Report. The sampling schedule and number of fish collected at each sampling event may also be found in the Methods Report.

Annual fish mercury data reports will be posted on Mass DEP's website. Annual data will also be periodically integrated into the fish mercury research database accessed through the data portal on the MassDEP website (http://public.dep.state.ma.us/fish/). This integrated database contains fish tissue mercury data and associated physico-chemical data for water and sediments of the lakes which are sampled. The Annual Data Reports do not include an interpretation of the fish mercury testing results. The purpose of the reports is to document the results of fish mercury testing. Interpretation of the data will be provided in future reports. The data collected in 2008 are presented below.

DATA

The lakes sampled in 2008 and statistical summaries of the edible fish tissue mercury concentrations are presented in Table 1. Quotas for fish were not met in a number of lakes, as was the case in some years past. Three largemouth bass were collected from Buckley Dunton Lake in Becket, whereas in 2006 no largemouth bass were collected. Seven largemouth bass were collected from Pelham Lake in Rowe, whereas none were collected in 2006. Small samples of largemouth bass and yellow perch were collected at Lowe Pond and Goose Pond in 2006. Only one yellow perch was collected at Baldpate Pond.

Table 1. 2008 Fish Mercury Concentration (mg total Hg/kg wet wt) Means and Standard Deviations

Lake	Species:	LMB					YP				
		$\bar{x}$	s	n	min	max	$\bar{x}$	s	n	min	max
Baldpate Pond		0.75	0.57	15	0.29	2.50	0.18	0.00	1	0.18	0.18
Chadwicks Pond		0.93	0.53	15	0.25	2.40	0.24	0.14	14	0.10	0.61
Cochichewick		0.38	0.21	15	0.08	0.76	0.11	0.07	30	0.03	0.35
Lake Attitash		0.49	0.24	15	0.15	0.93	0.21	0.09	30	0.08	0.42
Lowe Pond		0.58	0.21	11	0.28	0.97	0.25	0.20	30	0.10	1.20
Kenoza		0.68	0.41	15	0.30	1.80	0.26	0.21	30	0.09	1.10
Onota		0.12	0.08	12	0.08	0.36	0.13	0.06	30	0.05	0.30
Wampanoag		0.46	0.34	15	0.25	1.60	0.25	0.11	30	0.12	0.58
Wequaquet		0.82	0.22	15	0.28	1.10	0.33	0.14	30	0.14	0.75
Buckley Dunton Lake		0.54	0.48	3	0.25	1.10	0.43	0.18	30	0.17	0.89
Echo Lake		0.58	0.32	11	0.23	1.20	0.19	0.07	24	0.12	0.37
Plainfield Pond				0			0.19	0.07	30	0.10	0.38
Lake Garfield		0.45	0.25	15	0.19	0.98	0.17	0.08	30	0.07	0.38
Chebacco Lake		0.80	0.43	15	0.16	1.50	0.20	0.08	30	0.09	0.39
Stockbridge Bowl		0.51	0.35	15	0.14	1.20	0.14	0.05	30	0.06	0.28
Goose Pond		0.20	0.09	11	0.08	0.39	0.17	0.09	30	0.07	0.44
Lake Buel		0.31	0.07	15	0.17	0.42	0.11	0.04	30	0.05	0.20
Pelham Lake		0.11	0.02	7	0.09	0.14	0.27	0.09	30	0.12	0.55
Horseleech Pond		0.67	0.25	15	0.25	1.10	0.24	0.10	30	0.08	0.53
Round Pond (East)		1.50	0.41	15	0.66	2.20	0.66	0.23	30	0.20	1.30

KEY: $\bar{x}$ = mean; s = standard deviation; min = minimum; max = maximum
LMB = largemouth bass, *Micropterus salmoides*; YP = yellow perch, *Perca flavescens*

In order to provide perspective on the current year's sampling results in relation to previous sampling performed in the same lakes, time series plots of mean size-standardized mercury concentrations for each species are presented in Figure 1.

Figure 1. Annual Trends in Mean (+-1s) Size-standardized Fish Tissue Mercury Concentrations, 1999-2008

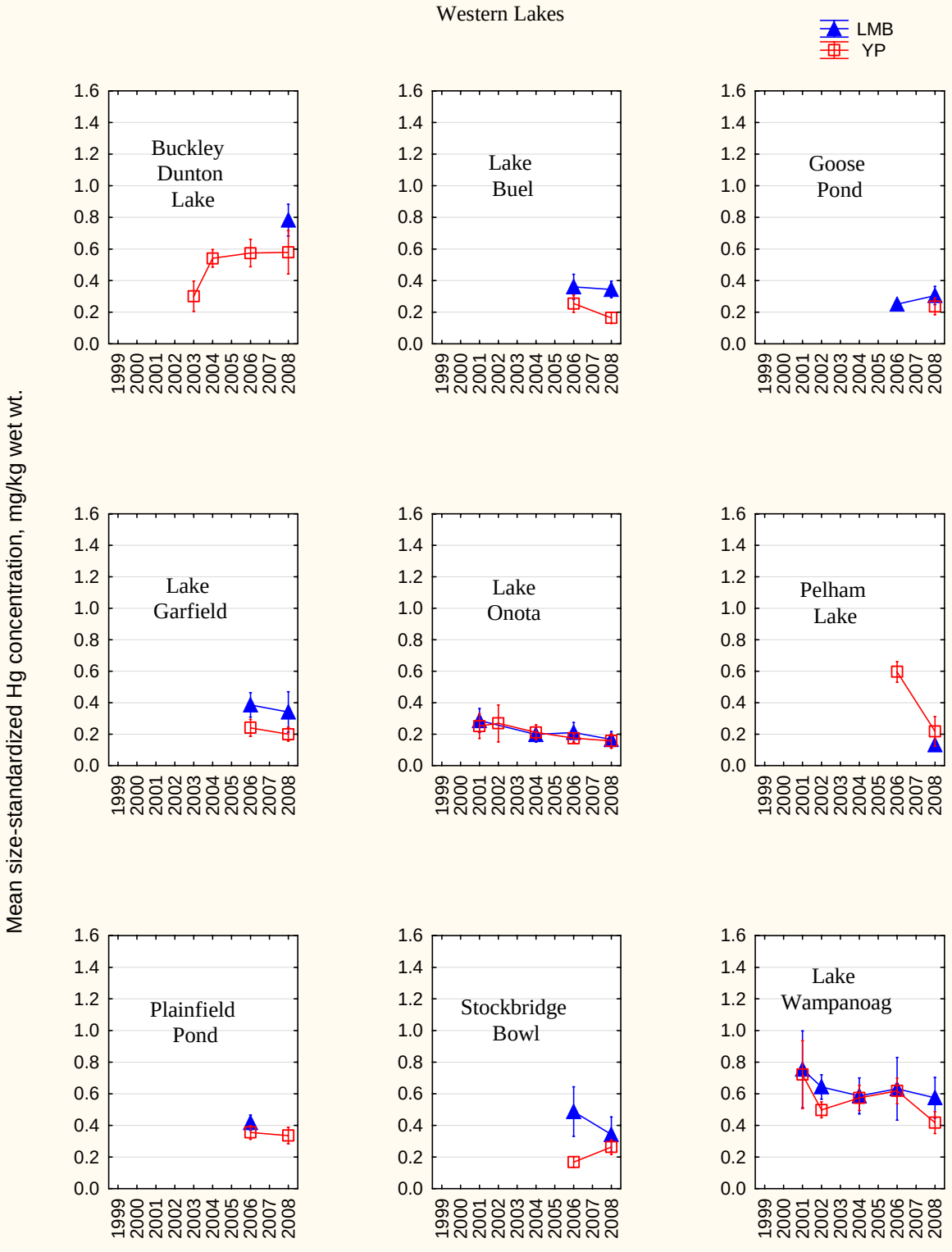
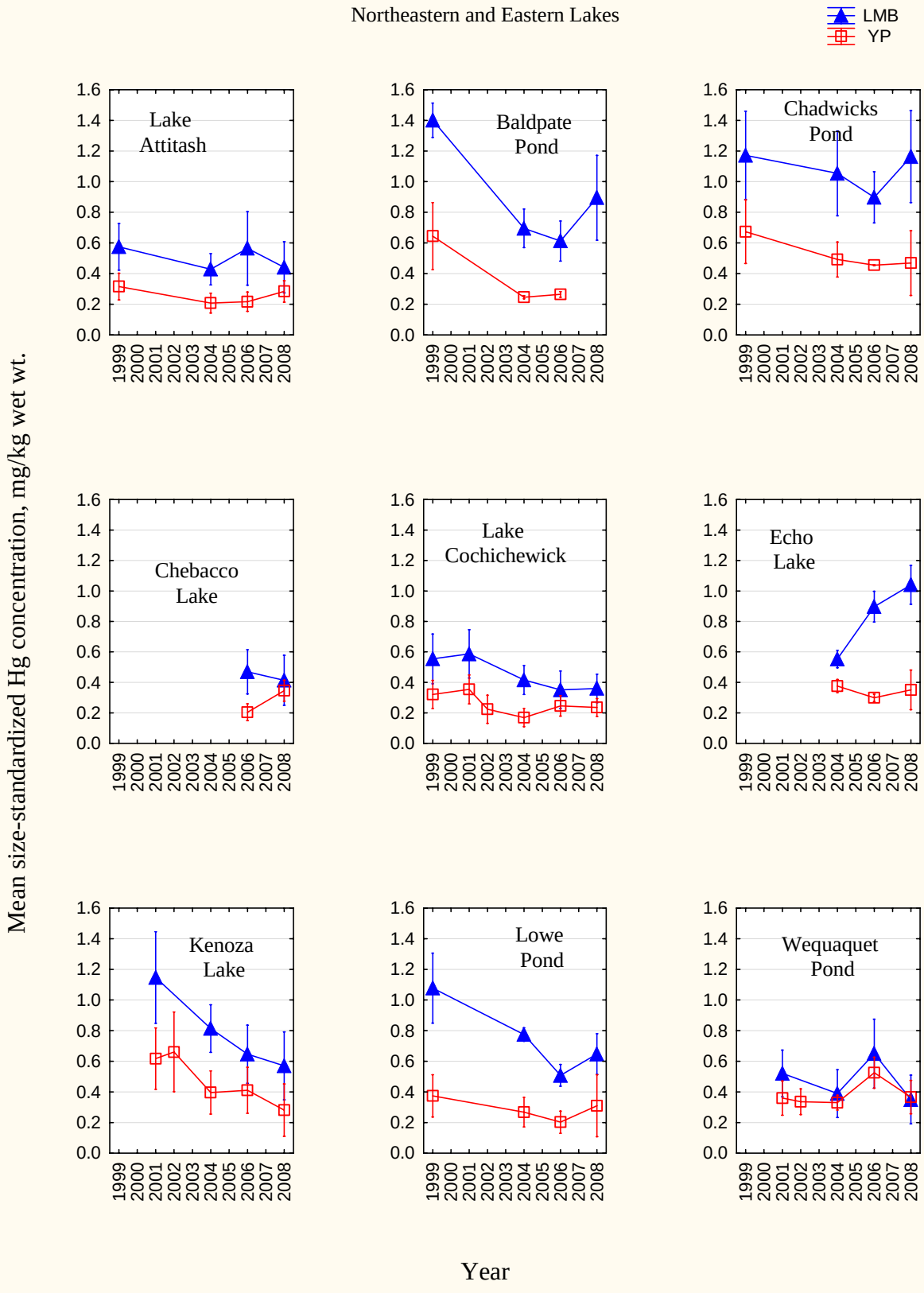


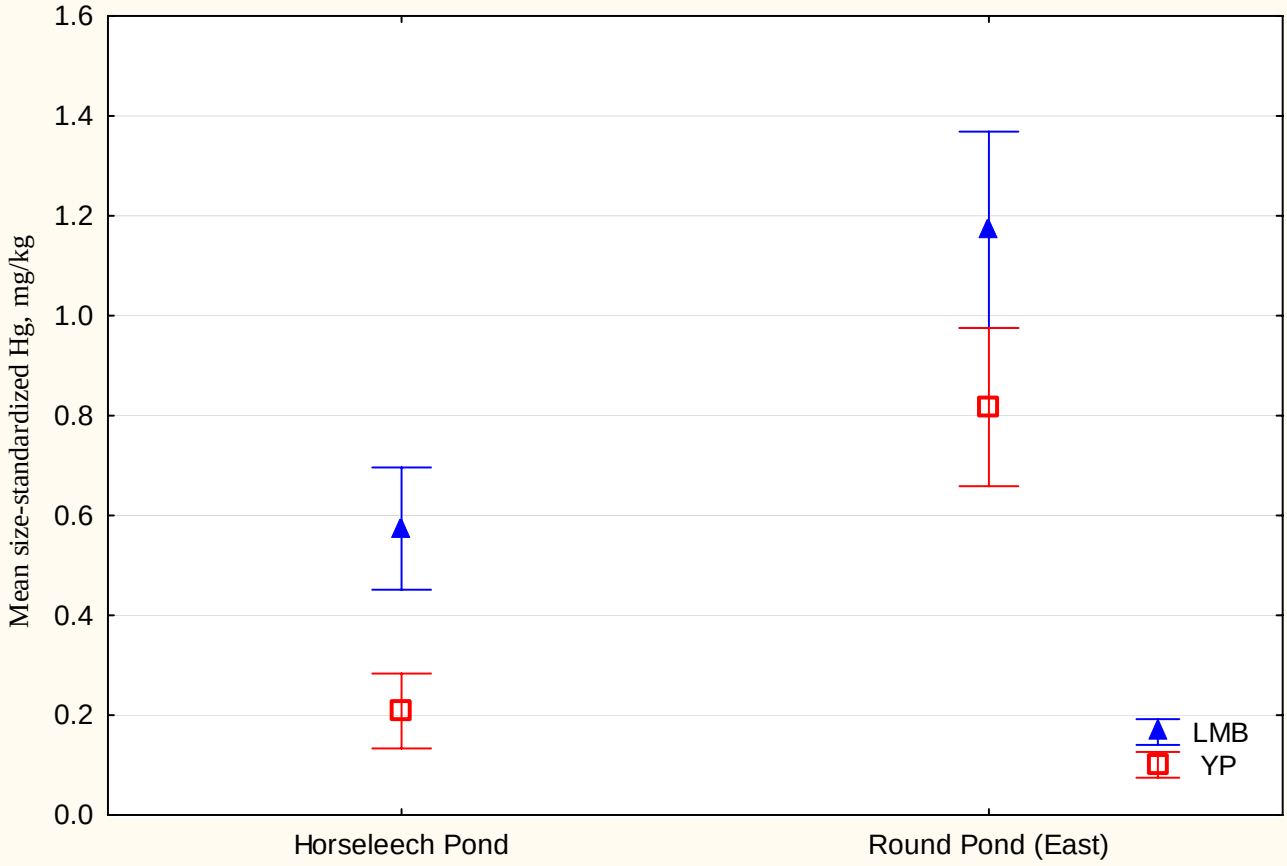
Figure 2. Annual Trends in Mean (+-1s) Size-standardized Fish Tissue Mercury Concentrations, 1999-2008



Two lakes were added to the long term monitoring study in 2008, and are not included in Figures 1 and 2. These lakes are Horseleech Pond and Round Pond (East) in Truro.

Mean mercury levels in fish from these lakes are shown in Figure 3.

Figure 3. Mean (±1s) Size-Standardized Fish Mercury Concentrations in Two Cape Cod Lakes First Tested in 2008



Lake water quality characteristics at the time of sampling are shown in Tables 2 and 3. Lakes were usually vertically uniform in terms of their density and temperature profiles at the time of sampling; therefore single samples for nutrient analyses were taken to represent the water column characteristics (Table 2). Data from depth profiles for temperature, pH, conductivity and dissolved oxygen concentration were averaged over depth, and the means are reported in Table 3.

Table 2. 2008 Lake Water Chemistry, all units in mg/L

Lake	TP	NO_3-N+NO_2-N	NH_3	Ca	Na	K	Mg	Fe	Mn	DOC	Cl	SO_4
Lake Attitash	0.052	0.02	<0.02	11	18	2.0	2.5	0.13	0.20	13	29	11
Baldpate Pond	0.010	0.19	0.02	10	30	1.7	2.8	0.45	0.17	4.4	49	9.0
Buckley Dunton Lake	0.039	0.02	<0.02	2.0	2.7	<0.03	0.56	0.31	0.017	9.1	3	3.9
Lake Buel	0.010	0.02	<0.02	35	16	1.6	17	0.064	0.024	7.7	36	6.7
Chadwicks Pond	0.022	<0.01	<0.02	10	6.5	1.7	2.6	0.056	0.013	8.5	26	9.3
Chebacco Lake	0.017	0.03	0.05	7.1	35	1.5	2.2	0.36	0.21	13	57	8.9
Lake Cochichewick	0.018	0.95	0.03	8.7	23	1.9	2.2	0.084	0.021	7.3	38	18
Echo Lake	0.011	0.23	0.05	6.5	27	1.5	1.6	0.2	<0.003	6.9	45	10
Goose Pond	0.034	1.1	<0.02	5.9	2.0	<0.03	2.1	0.054	<0.003	6	2	5.1
Garfield Lake	0.022	1.9	0.02	14	11	1.3	5.6	0.065	0.033	7.6	16	5.5
Horse Leach Pond	0.017	0.4	<0.02	1.9	27	1.6	3.6	0.29	0.014	3.6	44	8.6
Kenoza Lake	0.013	<0.01	<0.02	12	33	1.9	2.4	0.11	0.023	8.9	53	11
Lowe Pond	0.032	0.07	<0.02	18	35	1.5	3.3	1.0	0.042	10	62	8.6
Onota Lake	0.012	0.13	<0.02	21	6.6	<0.03	7.4	0.079	<0.003	4.5	11	5.8
Pelham Lake	0.018	0.03	<0.02	2.5	5.5	<0.03	0.78	0.42	0.051		10	4.3
Plainfield Pond	0.007	0.02	<0.02	2.6	4.2	<0.03	0.68	0.12	0.025	5.4	7	4.0
Round East Pond	0.010	0.06	<0.02	2.6	18	1.1	2.5	0.072	<0.003	4.6	31	8.2
Stockbridge Bowl	0.016	<0.01	<0.02	35	16	1.3	10	0.082	0.018	9.9	30	8.1
Lake Wampanoag	0.006	<0.01	<0.02	2.9	24	<0.03	0.62	0.18	0.082	7.7	36	5.7
Wequaquet Lake	0.028	0.04	0.09	2.0	14	1.4	2.1	0.12	<0.003	16	24	6.5

Ca=calcium; Cl=chloride; DOC=dissolved organic carbon; Fe=iron; K=potassium; Mg=magnesium; Mn=manganese; Na=sodium; NH_3=Ammonia; NO_2^--N-=nitrite; NO_3^--N=nitrate; SO_4=sulfate; TOC=total organic carbon. TP =total phosphorus, sample thoroughly mixed before analysis.

Table 3. 2008 Water Physical Characteristics at Fish Sampling

Lake	Date	T	DO	pH	SC
Lake Attitash	05/21/08	15.5	9.6	9.1	167
Baldpate Pond	05/06/08	9.2	8.7	6.3	255
Buckley Dunton Lake	06/23/08	21.0	6.7	5.9	27
Lake Buel	06/09/08	15.8	5.6	8.0	363
Chadwicks Pond	05/22/08	14.3	7.7	7.2	153
Chebacco Lake	05/07/08	11.6	6.5	6.8	225
Lake Cochichewick	05/13/08	12.8	9.2	6.9	178
Echo Lake	06/25/08	18.9	6.6	6.5	187
Goose Pond	06/26/08	14.6	7.1	7.2	53
Garfield Lake	06/09/08	16.3	5.5	7.6	159
Horseleech Pond	07/07/08	26.1	6.8	6.4	170
Kenoza Lake	05/13/08	9.8	8.9	7.0	245
Lowe Pond	06/23/08	22.6	7.0	6.4	278
Onota Lake	06/17/08	12.6	6.8	7.5	189
Plainfield Pond	06/16/08	23.3	9.5	6.3	38
Round Pond East	07/08/08	24.5	8.7	5.6	122
Stockbridge Bowl	06/16/08	12.2	4.7	7.9	326
Lake Wampanoag	05/28/08	18.2	9.0	5.2	117
Wequaquet Lake	05/06/08	12.9	9.3	7.3	106

T=mean temperature of the water column in degrees Celsius.
DO=mean dissolved oxygen in mg/L.
SC=mean conductivity in microsiemens per centimeter.

REFERENCES

MassDEP. 2006. Massachusetts Fish Tissue Mercury Studies: Investigations of Seasonal and Other Sources of Variation. Final Report. Office of Research and Standards and Wall Experiment Station, Massachusetts Department of Environmental Protection. Boston, MA. (available at: http://www.mass.gov/dep/toxics/stypes/ffhgseas.pdf)

MassDEP. 2010. Fish Mercury Long Term Monitoring Annual Data Report – Methods. Report from Massachusetts Department of Environmental Protection, Office of Research and Standards. Boston, MA. (available at: http://www.mass.gov/dep/toxics/stypes/hgmethods_ar.pdf)

APPENDIX

Raw Tissue Mercury Concentration Data

TABLE A-1. Individual fish characteristics and tissue mercury concentrations from the lakes sampled in 2008

Key: SP=Species; L=total length in mm; WT=Weight in g wet; S=Sex; STG=Reproductive Stage; HG=mercury concentration in mg total Hg/kg wet weight.

SAMPLE #	*LAKE*	*SP*	*L*	*WT*	*S*	*STG*	*HG*
2008099-004	Baldpate Pond	LMB	544	3000	F	Ripe	2.50
2008099-005	Baldpate Pond	LMB	338	500	M	Partially Spent	0.64
2008099-006	Baldpate Pond	LMB	183	70	F	Developing	0.29
2008099-007	Baldpate Pond	LMB	131	30	M	Immature	0.31
2008099-008	Baldpate Pond	LMB	183	75	F	Immature	0.43
2008099-009	Baldpate Pond	LMB	171	58	M	Immature	0.38
2008099-010	Baldpate Pond	LMB	393	1020	M	Partially Spent	1.10
2008099-011	Baldpate Pond	LMB	415	1180	F	Ripe	0.93
2008099-012	Baldpate Pond	LMB	342	715	M	Partially Spent	0.59
2008099-013	Baldpate Pond	LMB	321	472	M	Partially Spent	0.79
2008099-014	Baldpate Pond	LMB	251	218	M	Partially Spent	0.49
2008099-015	Baldpate Pond	LMB	475	1721	F	Ripe	1.30
2008099-016	Baldpate Pond	LMB	295	335	M	Partially Spent	0.61
2008099-017	Baldpate Pond	LMB	273	295	M	Spent	0.34
2008099-018	Baldpate Pond	LMB	236	175	F	Developing	0.48
2008099-019	Baldpate Pond	YP	255	119	F	Immature	0.18
2008094-004	Buckley Dunton Lake	LMB	153	45	M	Immature	0.28
2008094-005	Buckley Dunton Lake	LMB	206	140	F	Immature	0.25
2008094-006	Buckley Dunton Lake	LMB	434	1390	M	Spent	1.10
2008094-007	Buckley Dunton Lake	YP	179	50	M	Resting	0.17
2008094-008	Buckley Dunton Lake	YP	240	132	F	Resting	0.88
2008094-009	Buckley Dunton Lake	YP	168	45	F	Resting	0.34
2008094-010	Buckley Dunton Lake	YP	170	45	M	Resting	0.38
2008094-011	Buckley Dunton Lake	YP	167	40	M	Resting	0.47
2008094-012	Buckley Dunton Lake	YP	165	41	F	Resting	0.37
2008094-013	Buckley Dunton Lake	YP	168	40	M	Resting	0.35
2008094-014	Buckley Dunton Lake	YP	169	45	M	Resting	0.34
2008094-015	Buckley Dunton Lake	YP	235	135	M	Resting	0.67
2008094-016	Buckley Dunton Lake	YP	164	40	M	Resting	0.32
2008094-017	Buckley Dunton Lake	YP	167	50	F	Resting	0.31
2008094-018	Buckley Dunton Lake	YP	183	50	F	Resting	0.28
2008094-019	Buckley Dunton Lake	YP	173	50	F	Immature	0.26
2008094-020	Buckley Dunton Lake	YP	290	230	F	Resting	0.78
2008094-021	Buckley Dunton Lake	YP	199	88	M	Resting	0.45

SAMPLE #	*LAKE*	*SP*	*L*	*WT*	*S*	*STG*	*HG*
2008094-022	Buckley Dunton Lake	YP	262	200	M	Resting	0.52
2008094-023	Buckley Dunton Lake	YP	250	180	F	Resting	0.50
2008094-024	Buckley Dunton Lake	YP	192	75	F	Resting	0.42
2008094-025	Buckley Dunton Lake	YP	192	82	F	Resting	0.22
2008094-026	Buckley Dunton Lake	YP	170	45	M	Resting	0.28
2008094-027	Buckley Dunton Lake	YP	175	50	M	Resting	0.44
2008094-028	Buckley Dunton Lake	YP	174	50	F	Resting	0.27
2008094-029	Buckley Dunton Lake	YP	195	75	F	Resting	0.40
2008094-030	Buckley Dunton Lake	YP	204	82	F	Resting	0.49
2008094-031	Buckley Dunton Lake	YP	168	50	M	Resting	0.41
2008094-032	Buckley Dunton Lake	YP	172	50	M	Resting	0.32
2008094-033	Buckley Dunton Lake	YP	185	58	M	Resting	0.89
2008094-034	Buckley Dunton Lake	YP	197	80	F	Resting	0.47
2008094-035	Buckley Dunton Lake	YP	216	90	F	Resting	0.54
2008094-036	Buckley Dunton Lake	YP	192	60	F	Resting	0.31
2008103-016	Chadwicks Pond	LMB	494	1409	F	Spent	2.40
2008103-017	Chadwicks Pond	LMB	447	1208	M	Spent	1.90
2008103-018	Chadwicks Pond	LMB	234	159	M	Spent	1.10
2008103-019	Chadwicks Pond	LMB	210	92	M	Spent	0.76
2008103-020	Chadwicks Pond	LMB	234	142	F	Spent	0.70
2008103-021	Chadwicks Pond	LMB	230	331	F	Partially Spent	0.74
2008103-022	Chadwicks Pond	LMB	287	271	M	Spent	0.67
2008103-023	Chadwicks Pond	LMB	272	280	M	Spent	0.78
2008103-024	Chadwicks Pond	LMB	311	358	F	Spent	0.75
2008103-025	Chadwicks Pond	LMB	360	591	M	Spent	0.92
2008103-026	Chadwicks Pond	LMB	272	270	F	Partially Spent	0.69
2008103-027	Chadwicks Pond	LMB	314	382	M	Spent	0.79
2008103-028	Chadwicks Pond	LMB	265	262	M	Spent	0.25
2008103-029	Chadwicks Pond	LMB	275	262	M	Spent	0.63
2008103-030	Chadwicks Pond	LMB	232	152	F	Spent	0.88
2008103-004	Chadwicks Pond	YP	280	270	F	Resting	0.33
2008103-005	Chadwicks Pond	YP	260	192	F	Resting	0.61
2008103-006	Chadwicks Pond	YP	180	74	F	Resting	0.20
2008103-007	Chadwicks Pond	YP	287	309	F	Resting	0.24
2008103-008	Chadwicks Pond	YP	260	200	F	Resting	0.47
2008103-009	Chadwicks Pond	YP	174	65	F	Resting	0.15
2008103-010	Chadwicks Pond	YP	193	93	M	Resting	0.17
2008103-011	Chadwicks Pond	YP	207	129	F	Resting	0.20
2008103-012	Chadwicks Pond	YP	174	71	M	Resting	0.14
2008103-013	Chadwicks Pond	YP	127	30	F	Immature	0.17
2008103-014	Chadwicks Pond	YP	141	34	M	Immature	0.10
2008103-015	Chadwicks Pond	YP	135	31	F	Immature	0.16

SAMPLE #	*LAKE*	*SP*	*L*	*WT*	*S*	*STG*	*HG*
2008103-031	Chadwicks Pond	YP	205	110	F	Resting	0.21
2008103-032	Chadwicks Pond	YP	180	70	F	Resting	0.18
2008100-004	Chebacco Lake	LMB	555	3000	F	Ripe	1.50
2008100-005	Chebacco Lake	LMB	525	1955	M	Partially Spent	1.10
2008100-006	Chebacco Lake	LMB	572	3300	F	Ripe	1.40
2008100-007	Chebacco Lake	LMB	500	2090	F	Ripe	0.68
2008100-008	Chebacco Lake	LMB	464	1540	F	Ripe	0.71
2008100-009	Chebacco Lake	LMB	551	2800	F	Ripe	1.30
2008100-010	Chebacco Lake	LMB	449	1280	F	Ripe	0.81
2008100-011	Chebacco Lake	LMB	523	2230	F	Ripe	0.89
2008100-012	Chebacco Lake	LMB	446	1388	F	Ripe	0.81
2008100-013	Chebacco Lake	LMB	516	2190	F	Ripe	1.10
2008100-014	Chebacco Lake	LMB	386	788	M	Spent	0.45
2008100-015	Chebacco Lake	LMB	418	1172	F	Ripe	0.73
2008100-016	Chebacco Lake	LMB	327	480	F	Ripe	0.20
2008100-017	Chebacco Lake	LMB	240	168	M	Immature	0.16
2008100-018	Chebacco Lake	LMB	228	154	F	Ripe	0.18
2008100-019	Chebacco Lake	YP	181	61	F	Immature	0.14
2008100-020	Chebacco Lake	YP	186	78	M	Immature	0.19
2008100-021	Chebacco Lake	YP	166	55	F	Immature	0.17
2008100-022	Chebacco Lake	YP	160	50	M	Immature	0.26
2008100-023	Chebacco Lake	YP	161	45	F	Immature	0.22
2008100-024	Chebacco Lake	YP	189	72	F	Immature	0.15
2008100-025	Chebacco Lake	YP	175	60	F	Immature	0.09
2008100-026	Chebacco Lake	YP	173	56	F	Immature	0.14
2008100-027	Chebacco Lake	YP	194	80	F	Immature	0.16
2008100-028	Chebacco Lake	YP	168	49	M	Immature	0.11
2008100-029	Chebacco Lake	YP	227	139	F	Resting	0.34
2008100-030	Chebacco Lake	YP	186	70	F	Resting	0.13
2008100-031	Chebacco Lake	YP	179	70	F	Immature	0.11
2008100-032	Chebacco Lake	YP	206	98	F	Resting	0.28
2008100-033	Chebacco Lake	YP	200	89	F	Resting	0.18
2008100-034	Chebacco Lake	YP	182	68	F	Resting	0.19
2008100-035	Chebacco Lake	YP	199	90	M	Spent	0.16
2008100-036	Chebacco Lake	YP	180	59	F	Resting	0.12
2008100-037	Chebacco Lake	YP	177	60	F	Resting	0.16
2008100-038	Chebacco Lake	YP	169	55	M	Resting	0.24
2008100-039	Chebacco Lake	YP	195	84	F	Resting	0.33
2008100-040	Chebacco Lake	YP	176	62	F	Immature	0.16
2008100-041	Chebacco Lake	YP	206	94	F	Resting	0.28
2008100-042	Chebacco Lake	YP	180	61	F	Resting	0.33
2008100-043	Chebacco Lake	YP	202	98	M	Resting	0.22

SAMPLE #	*LAKE*	*SP*	*L*	*WT*	*S*	*STG*	*HG*
2008100-044	Chebacco Lake	YP	203	99	F	Resting	0.16
2008100-045	Chebacco Lake	YP	210	95	F	Resting	0.39
2008100-046	Chebacco Lake	YP	185	61	M	Resting	0.20
2008100-047	Chebacco Lake	YP	177	62	F	Resting	0.19
2008100-048	Chebacco Lake	YP	182	70	M	Resting	0.11
2008090-004	Cochichewick	LMB	407	961	M	Ripe	0.33
2008090-005	Cochichewick	LMB	459	1340	M	Ripe	0.67
2008090-006	Cochichewick	LMB	441	1209	F	Ripe	0.64
2008090-007	Cochichewick	LMB	225	145	M	Ripe	0.09
2008090-008	Cochichewick	LMB	234	139	M	Spent	0.08
2008090-009	Cochichewick	LMB	342	573	F	Ripe	0.28
2008090-010	Cochichewick	LMB	303	360	F	Ripe	0.34
2008090-014	Cochichewick	LMB	250	273	F	Developing	0.19
2008090-015	Cochichewick	LMB	303	360	M	Developing	0.40
2008090-016	Cochichewick	LMB	310	426	F	Ripe	0.25
2008090-017	Cochichewick	LMB	291	342	F	Ripe	0.29
2008090-018	Cochichewick	LMB	450	1190	M	Ripe	0.54
2008090-019	Cochichewick	LMB	435	1240	M	Ripe	0.76
2008090-020	Cochichewick	LMB	400	1015	M	Ripe	0.52
2008090-021	Cochichewick	LMB	385	800	M	Ripe	0.35
2008090-011	Cochichewick	YP	224	130	F	Resting	0.22
2008090-012	Cochichewick	YP	165	50	F	Immature	0.16
2008090-013	Cochichewick	YP	220	125	M	Spent	0.35
2008090-022	Cochichewick	YP	234	140	F	Resting	0.08
2008090-023	Cochichewick	YP	148	35	F	Immature	0.05
2008090-024	Cochichewick	YP	229	135	F	Resting	0.13
2008090-025	Cochichewick	YP	185	70	M	Resting	0.10
2008090-026	Cochichewick	YP	189	70	M	Resting	0.14
2008090-027	Cochichewick	YP	220	110	F	Resting	0.11
2008090-028	Cochichewick	YP	175	55	F	Resting	0.13
2008090-029	Cochichewick	YP	155	40	M	Resting	0.13
2008090-030	Cochichewick	YP	153	35	F	Immature	0.10
2008090-031	Cochichewick	YP	155	40	F	Resting	0.08
2008090-032	Cochichewick	YP	156	40	F	Immature	0.06
2008090-033	Cochichewick	YP	159	45	M	Resting	0.15
2008090-034	Cochichewick	YP	160	48	M	Resting	0.11
2008090-035	Cochichewick	YP	161	40	F	Resting	0.08
2008090-036	Cochichewick	YP	144	38	F	Resting	0.14
2008090-037	Cochichewick	YP	158	40	M	Resting	0.23
2008090-038	Cochichewick	YP	141	30	F	Immature	0.03
2008090-039	Cochichewick	YP	152	39	M	Resting	0.07
2008090-040	Cochichewick	YP	157	41	F	Resting	0.07

SAMPLE #	*LAKE*	*SP*	*L*	*WT*	*S*	*STG*	*HG*
2008090-041	Cochichewick	YP	176	58	F	Resting	0.09
2008090-042	Cochichewick	YP	147	35	F	Immature	0.10
2008090-043	Cochichewick	YP	154	41	M	Resting	0.08
2008090-044	Cochichewick	YP	145	30	M	Immature	0.04
2008090-045	Cochichewick	YP	156	39	M	Immature	0.08
2008090-046	Cochichewick	YP	140	30	M	Resting	0.05
2008090-047	Cochichewick	YP	145	30	F	Resting	0.04
2008090-048	Cochichewick	YP	143	35	F	Immature	0.05
2008095-004	Echo Lake	LMB	376	635	M	Spent	1.10
2008095-005	Echo Lake	LMB	330	460	M	Spent	1.20
2008095-006	Echo Lake	LMB	267	240	M	Spent	0.55
2008095-007	Echo Lake	LMB	254	230	F	Spent	0.48
2008095-008	Echo Lake	LMB	253	210	M	Spent	0.75
2008095-009	Echo Lake	LMB	249	200	M	Spent	0.46
2008095-010	Echo Lake	LMB	236	180	M	Spent	0.50
2008095-011	Echo Lake	LMB	228	170	F	Spent	0.26
2008095-012	Echo Lake	LMB	223	150	M	Spent	0.49
2008095-013	Echo Lake	LMB	215	130	F	Spent	0.33
2008095-014	Echo Lake	LMB	205	108	F	Spent	0.23
2008095-015	Echo Lake	YP	271	250	F	Resting	0.33
2008095-016	Echo Lake	YP	247	190	M	Resting	0.20
2008095-017	Echo Lake	YP	247	190	F	Resting	0.23
2008095-018	Echo Lake	YP	251	180	F	Resting	0.31
2008095-019	Echo Lake	YP	240	170	F	Resting	0.25
2008095-020	Echo Lake	YP	251	210	F	Resting	0.18
2008095-021	Echo Lake	YP	246	179	F	Resting	0.17
2008095-022	Echo Lake	YP	215	141	F	Resting	0.37
2008095-023	Echo Lake	YP	241	170	F	Resting	0.19
2008095-024	Echo Lake	YP	213	120	F	Resting	0.18
2008095-025	Echo Lake	YP	205	125	F	Resting	0.16
2008095-026	Echo Lake	YP	207	120	F	Resting	0.14
2008095-027	Echo Lake	YP	207	105	M	Resting	0.17
2008095-028	Echo Lake	YP	202	100	M	Resting	0.23
2008095-029	Echo Lake	YP	206	100	M	Resting	0.14
2008095-030	Echo Lake	YP	198	90	F	Resting	0.18
2008095-031	Echo Lake	YP	163	55	F	Resting	0.17
2008095-032	Echo Lake	YP	168	60	F	Resting	0.13
2008095-033	Echo Lake	YP	163	50	M	Immature	0.15
2008095-034	Echo Lake	YP	154	49	M	Immature	0.16
2008095-035	Echo Lake	YP	159	50	F	Immature	0.15
2008095-036	Echo Lake	YP	159	45	M	Immature	0.12
2008095-037	Echo Lake	YP	155	48	M	Immature	0.15

SAMPLE #	*LAKE*	*SP*	*L*	*WT*	*S*	*STG*	*HG*
2008095-038	Echo Lake	YP	154	45	M	Immature	0.14
2008097-004	Goose Pond	LMB	362	780	F	Partially Spent	0.27
2008097-005	Goose Pond	LMB	339	485	M	Spent	0.39
2008097-006	Goose Pond	LMB	233	165	F	Spent	0.15
2008097-007	Goose Pond	LMB	228	150	F	Spent	0.16
2008097-008	Goose Pond	LMB	241	145	M	Spent	0.31
2008097-009	Goose Pond	LMB	227	140	F	Spent	0.18
2008097-010	Goose Pond	LMB	215	125	M	Spent	0.13
2008097-011	Goose Pond	LMB	171	80	F	Spent	0.16
2008097-012	Goose Pond	LMB	167	75	F	Immature	0.17
2008097-013	Goose Pond	LMB	170	70	M	Immature	0.15
2008097-014	Goose Pond	LMB	173	70	M	Immature	0.08
2008097-015	Goose Pond	YP	281	235	F	Resting	0.44
2008097-016	Goose Pond	YP	269	185	F	Resting	0.38
2008097-017	Goose Pond	YP	250	175	F	Resting	0.26
2008097-018	Goose Pond	YP	261	170	F	Resting	0.28
2008097-019	Goose Pond	YP	255	110	F	Resting	0.31
2008097-020	Goose Pond	YP	227	100	F	Resting	0.15
2008097-021	Goose Pond	YP	205	80	F	Resting	0.12
2008097-022	Goose Pond	YP	198	80	F	Resting	0.11
2008097-023	Goose Pond	YP	198	65	M	Resting	0.16
2008097-024	Goose Pond	YP	179	50	M	Resting	0.14
2008097-025	Goose Pond	YP	175	40	M	Resting	0.18
2008097-026	Goose Pond	YP	166	40	F	Immature	0.07
2008097-027	Goose Pond	YP	217	90	F	Resting	0.17
2008097-028	Goose Pond	YP	195	60	F	Resting	0.15
2008097-029	Goose Pond	YP	205	70	F	Resting	0.12
2008097-030	Goose Pond	YP	185	50	F	Resting	0.14
2008097-031	Goose Pond	YP	189	50	M	Restiing	0.14
2008097-032	Goose Pond	YP	160	40	F	Resting	0.09
2008097-033	Goose Pond	YP	166	38	F	Immature	0.12
2008097-034	Goose Pond	YP	155	30	F	Immature	0.12
2008097-035	Goose Pond	YP	160	30	M	Immature	0.10
2008097-036	Goose Pond	YP	161	40	F	Immature	0.12
2008097-037	Goose Pond	YP	163	40	F	Immature	0.12
2008097-038	Goose Pond	YP	164	30	F	Immature	0.18
2008097-039	Goose Pond	YP	148	25	M	Immature	0.16
2008097-040	Goose Pond	YP	145	25	M	Immature	0.11
2008097-041	Goose Pond	YP	155	30	M	Immature	0.20
2008097-042	Goose Pond	YP	154	21	F	Immature	0.13
2008097-043	Goose Pond	YP	155	36	M	Immature	0.12
2008097-044	Goose Pond	YP	147	31	M	Immature	0.14

SAMPLE #	*LAKE*	*SP*	*L*	*WT*	*S*	*STG*	*HG*
2008342-034	Horseleech Pond	LMB	301	336	M	Spent	0.36
2008342-035	Horseleech Pond	LMB	304	396	M	Spent	0.25
2008342-036	Horseleech Pond	LMB	305	397	M	Spent	0.51
2008342-037	Horseleech Pond	LMB	310	411	M	Spent	0.31
2008342-038	Horseleech Pond	LMB	313	328	F	Spent	0.65
2008342-039	Horseleech Pond	LMB	321	421	F	Spent	0.47
2008342-040	Horseleech Pond	LMB	350	557	M	Spent	0.67
2008342-041	Horseleech Pond	LMB	374	639	M	Spent	0.86
2008342-042	Horseleech Pond	LMB	381	598	M	Spent	0.92
2008342-043	Horseleech Pond	LMB	422	880	F	Spent	1.10
2008342-044	Horseleech Pond	LMB	380	757	F	Spent	0.72
2008342-045	Horseleech Pond	LMB	397	750	F	Spent	0.64
2008342-046	Horseleech Pond	LMB	400	812	F	Spent	0.82
2008342-047	Horseleech Pond	LMB	404	824	F	Spent	0.76
2008342-048	Horseleech Pond	LMB	426	1062	F	Spent	0.99
2008342-004	Horseleech Pond	YP	331	415	F	Resting	0.53
2008342-005	Horseleech Pond	YP	323	377	F	Resting	0.33
2008342-006	Horseleech Pond	YP	294	319	M	Resting	0.25
2008342-007	Horseleech Pond	YP	288	277	M	Resting	0.32
2008342-008	Horseleech Pond	YP	282	247	F	Resting	0.42
2008342-009	Horseleech Pond	YP	291	279	M	Resting	0.34
2008342-010	Horseleech Pond	YP	290	274	F	Resting	0.37
2008342-011	Horseleech Pond	YP	282	256	M	Resting	0.24
2008342-012	Horseleech Pond	YP	281	243	F	Resting	0.34
2008342-013	Horseleech Pond	YP	279	190	M	Resting	0.25
2008342-014	Horseleech Pond	YP	258	178	F	Resting	0.18
2008342-015	Horseleech Pond	YP	252	167	F	Resting	0.25
2008342-016	Horseleech Pond	YP	242	153	F	Resting	0.22
2008342-017	Horseleech Pond	YP	243	142	F	Resting	0.29
2008342-018	Horseleech Pond	YP	235	144	M	Resting	0.18
2008342-019	Horseleech Pond	YP	239	147	M	Resting	0.15
2008342-020	Horseleech Pond	YP	230	133	M	Resting	0.17
2008342-021	Horseleech Pond	YP	233	147	M	Resting	0.24
2008342-022	Horseleech Pond	YP	218	107	M	Resting	0.22
2008342-023	Horseleech Pond	YP	232	144	M	Resting	0.22
2008342-024	Horseleech Pond	YP	244	151	F	Resting	0.20
2008342-025	Horseleech Pond	YP	237	146	F	Resting	0.16
2008342-026	Horseleech Pond	YP	230	115	F	Resting	0.18
2008342-027	Horseleech Pond	YP	227	124	M	Resting	0.15
2008342-028	Horseleech Pond	YP	209	101	F	Resting	0.11
2008342-029	Horseleech Pond	YP	220	113	M	Resting	0.16
2008342-030	Horseleech Pond	YP	215	103	F	Resting	0.19

SAMPLE #	*LAKE*	*SP*	*L*	*WT*	*S*	*STG*	*HG*
2008342-031	Horseleech Pond	YP	208	90	F	Resting	0.19
2008342-032	Horseleech Pond	YP	197	72	F	Resting	0.12
2008342-033	Horseleech Pond	YP	190	67	F	Resting	0.08
2008091-004	Kenoza	LMB	372	780	F	Ripe	0.42
2008091-005	Kenoza	LMB	445	1375	M	Ripe	1.00
2008091-006	Kenoza	LMB	413	1210	F	Ripe	1.10
2008091-007	Kenoza	LMB	414	1125	M	Ripe	0.69
2008091-008	Kenoza	LMB	297	350	F	Developing	0.38
2008091-009	Kenoza	LMB	428	1475	M	Ripe	0.97
2008091-010	Kenoza	LMB	346	685	M	Developing	0.39
2008091-011	Kenoza	LMB	411	1000	F	Ripe	0.73
2008091-012	Kenoza	LMB	380	760	F	Ripe	0.63
2008091-013	Kenoza	LMB	245	180	F	Immature	0.30
2008091-014	Kenoza	LMB	247	155	M	Immature	0.37
2008091-015	Kenoza	LMB	258	200	M	Ripe	0.32
2008091-016	Kenoza	LMB	286	270	M	Ripe	0.31
2008091-017	Kenoza	LMB	424	1255	M	Ripe	0.77
2008091-018	Kenoza	LMB	489	1930	F	Developing	1.80
2008091-019	Kenoza	YP	337	450	F	Spent	1.10
2008091-020	Kenoza	YP	269	215	M	Spent	0.54
2008091-021	Kenoza	YP	283	272	F	Spent	0.14
2008091-022	Kenoza	YP	257	200	F	Spent	0.16
2008091-023	Kenoza	YP	334	425	F	Spent	0.55
2008091-024	Kenoza	YP	277	240	F	Spent	0.13
2008091-025	Kenoza	YP	256	195	F	Spent	0.15
2008091-026	Kenoza	YP	207	100	F	Immature	0.12
2008091-027	Kenoza	YP	249	180	F	Spent	0.13
2008091-028	Kenoza	YP	265	220	F	Spent	0.35
2008091-029	Kenoza	YP	212	100	F	Immature	0.31
2008091-030	Kenoza	YP	210	115	F	Immature	0.11
2008091-031	Kenoza	YP	196	90	F	Immature	0.13
2008091-032	Kenoza	YP	182	85	F	Immature	0.10
2008091-033	Kenoza	YP	197	90	F	Immature	0.18
2008091-034	Kenoza	YP	220	125	F	Spent	0.09
2008091-035	Kenoza	YP	220	131	M	Spent	0.24
2008091-036	Kenoza	YP	187	87	F	Immature	0.29
2008091-037	Kenoza	YP	325	441	F	Spent	0.52
2008091-038	Kenoza	YP	291	324	F	Resting	0.32
2008091-039	Kenoza	YP	309	400	F	Resting	0.48
2008091-040	Kenoza	YP	242	179	F	Spent	0.18
2008091-041	Kenoza	YP	283	291	F	Resting	0.26
2008091-042	Kenoza	YP	272	254	F	Spent	0.13

SAMPLE #	*LAKE*	*SP*	*L*	*WT*	*S*	*STG*	*HG*
2008091-043	Kenoza	YP	235	142	F	Spent	0.30
2008091-044	Kenoza	YP	154	41	F	Immature	0.18
2008091-045	Kenoza	YP	160	48	F	Immature	0.16
2008091-046	Kenoza	YP	164	50	M	Immature	0.25
2008091-047	Kenoza	YP	160	50	F	Immature	0.12
2008091-048	Kenoza	YP	154	41	F	Immature	0.10
2008105-004	Lake Attitash	LMB	363	625	M	Spent	0.39
2008105-005	Lake Attitash	LMB	401	904	F	Partially Spent	0.56
2008105-006	Lake Attitash	LMB	447	1350	F	Partially Spent	0.84
2008105-007	Lake Attitash	LMB	395	829	M	Spent	0.57
2008105-008	Lake Attitash	LMB	414	985	F	Partially Spent	0.91
2008105-009	Lake Attitash	LMB	411	1109	F	Partially Spent	0.58
2008105-010	Lake Attitash	LMB	293	325	M	Spent	0.31
2008105-011	Lake Attitash	LMB	236	180	F	Partially Spent	0.27
2008105-012	Lake Attitash	LMB	379	681	M	Spent	0.44
2008105-013	Lake Attitash	LMB	297	321	F	Partially Spent	0.15
2008105-014	Lake Attitash	LMB	335	471	M	Spent	0.31
2008105-015	Lake Attitash	LMB	358	571	M	Spent	0.41
2008105-016	Lake Attitash	LMB	349	555	M	Spent	0.93
2008105-017	Lake Attitash	LMB	297	378	F	Partially Spent	0.28
2008105-018	Lake Attitash	LMB	358	610	M	Spent	0.44
2008105-019	Lake Attitash	YP	264	213	F	Resting	0.16
2008105-020	Lake Attitash	YP	205	101	F	Resting	0.18
2008105-021	Lake Attitash	YP	197	91	M	Resting	0.16
2008105-022	Lake Attitash	YP	173	68	F	Resting	0.08
2008105-023	Lake Attitash	YP	186	75	F	Resting	0.28
2008105-024	Lake Attitash	YP	247	169	F	Resting	0.42
2008105-025	Lake Attitash	YP	176	61	F	Resting	0.15
2008105-026	Lake Attitash	YP	185	70	F	Resting	0.20
2008105-027	Lake Attitash	YP	185	82	F	Resting	0.08
2008105-028	Lake Attitash	YP	175	60	M	Resting	0.18
2008105-029	Lake Attitash	YP	252	190	F	Resting	0.18
2008105-030	Lake Attitash	YP	224	121	M	Resting	0.20
2008105-031	Lake Attitash	YP	216	112	F	Resting	0.20
2008105-032	Lake Attitash	YP	241	175	F	Resting	0.33
2008105-033	Lake Attitash	YP	278	269	F	Resting	0.41
2008105-034	Lake Attitash	YP	197	82	F	Resting	0.13
2008105-035	Lake Attitash	YP	192	78	F	Resting	0.10
2008105-036	Lake Attitash	YP	195	82	M	Resting	0.18
2008105-037	Lake Attitash	YP	171	60	F	Resting	0.11
2008105-038	Lake Attitash	YP	186	64	F	Resting	0.18
2008105-039	Lake Attitash	YP	231	190	F	Resting	0.19

SAMPLE #	*LAKE*	*SP*	*L*	*WT*	*S*	*STG*	*HG*
2008105-040	Lake Attitash	YP	206	109	F	Resting	0.34
2008105-041	Lake Attitash	YP	211	107	M	Resting	0.23
2008105-042	Lake Attitash	YP	206	100	F	Resting	0.22
2008105-043	Lake Attitash	YP	259	205	F	Resting	0.28
2008105-044	Lake Attitash	YP	223	118	M	Resting	0.32
2008105-045	Lake Attitash	YP	190	75	M	Resting	0.24
2008105-046	Lake Attitash	YP	185	71	M	Resting	0.20
2008105-047	Lake Attitash	YP	169	58	F	Resting	0.15
2008105-048	Lake Attitash	YP	169	55	F	Resting	0.13
2008096-004	Lake Buel	LMB	318	372	M	Ripe	0.31
2008096-005	Lake Buel	LMB	303	330	M	Developing	0.41
2008096-006	Lake Buel	LMB	304	315	F	Developing	0.32
2008096-007	Lake Buel	LMB	214	121	M	Immature	0.17
2008096-008	Lake Buel	LMB	336	455	F	Developing	0.33
2008096-009	Lake Buel	LMB	322	420	F	Developing	0.34
2008096-010	Lake Buel	LMB	304	339	M	Developing	0.27
2008096-011	Lake Buel	LMB	295	330	M	Developing	0.26
2008096-012	Lake Buel	LMB	288	319	M	Developing	0.26
2008096-013	Lake Buel	LMB	269	232	M	Developing	0.26
2008096-014	Lake Buel	LMB	321	421	M	Developing	0.42
2008096-015	Lake Buel	LMB	333	410	M	Developing	0.26
2008096-016	Lake Buel	LMB	341	535	M	Developing	0.28
2008096-017	Lake Buel	LMB	374	781	M	Developing	0.37
2008096-018	Lake Buel	LMB	346	580	M	Developing	0.40
2008096-019	Lake Buel	YP	224	133	F	Resting	0.10
2008096-020	Lake Buel	YP	253	195	F	Resting	0.11
2008096-021	Lake Buel	YP	220	145	F	Resting	0.13
2008096-022	Lake Buel	YP	210	128	F	Resting	0.11
2008096-023	Lake Buel	YP	235	160	F	Resting	0.12
2008096-024	Lake Buel	YP	193	102	F	Resting	0.11
2008096-025	Lake Buel	YP	218	132	F	Resting	0.15
2008096-026	Lake Buel	YP	196	100	F	Resting	0.09
2008096-027	Lake Buel	YP	226	139	F	Resting	0.11
2008096-028	Lake Buel	YP	197	100	M	Resting	0.11
2008096-029	Lake Buel	YP	198	100	F	Resting	0.16
2008096-030	Lake Buel	YP	233	155	F	Resting	0.10
2008096-031	Lake Buel	YP	192	97	M	Resting	0.09
2008096-032	Lake Buel	YP	184	68	M	Resting	0.07
2008096-033	Lake Buel	YP	223	133	F	Resting	0.07
2008096-034	Lake Buel	YP	184	80	F	Resting	0.07
2008096-035	Lake Buel	YP	193	98	F	Resting	0.11
2008096-036	Lake Buel	YP	219	128	F	Resting	0.13

SAMPLE #	*LAKE*	*SP*	*L*	*WT*	*S*	*STG*	*HG*
2008096-037	Lake Buel	YP	196	100	F	Resting	0.07
2008096-038	Lake Buel	YP	210	100	F	Resting	0.07
2008096-039	Lake Buel	YP	203	102	F	Resting	0.13
2008096-040	Lake Buel	YP	176	65	F	Resting	0.05
2008096-041	Lake Buel	YP	265	210	F	Resting	0.20
2008096-042	Lake Buel	YP	159	51	F	Immature	0.06
2008096-043	Lake Buel	YP	167	64	F	Resting	0.10
2008096-044	Lake Buel	YP	183	79	M	Resting	0.08
2008096-045	Lake Buel	YP	204	100	F	Resting	0.11
2008096-046	Lake Buel	YP	190	88	F	Resting	0.08
2008096-047	Lake Buel	YP	207	115	F	Resting	0.10
2008096-048	Lake Buel	YP	294	328	F	Resting	0.19
2008104-004	Lake Garfield	LMB	310	400	M	Developing	0.23
2008104-005	Lake Garfield	LMB	378	738	M	Developing	0.72
2008104-006	Lake Garfield	LMB	398	965	M	Developing	0.57
2008104-007	Lake Garfield	LMB	405	930	F	Developing	0.45
2008104-008	Lake Garfield	LMB	480	1820	M	Developing	0.98
2008104-009	Lake Garfield	LMB	334	530	M	Developing	0.29
2008104-010	Lake Garfield	LMB	328	405	M	Ripe	0.19
2008104-011	Lake Garfield	LMB	306	338	M	Developing	0.23
2008104-012	Lake Garfield	LMB	400	890	M	Ripe	0.75
2008104-013	Lake Garfield	LMB	376	675	M	Ripe	0.30
2008104-014	Lake Garfield	LMB	331	450	M	Developing	0.34
2008104-015	Lake Garfield	LMB	317	415	F	Developing	0.39
2008104-016	Lake Garfield	LMB	380	462	M	Developing	0.28
2008104-017	Lake Garfield	LMB	323	465	M	Ripe	0.30
2008104-018	Lake Garfield	LMB	476	1760	F	Developing	0.78
2008104-019	Lake Garfield	YP	243	188	F	Resting	0.22
2008104-020	Lake Garfield	YP	257	205	F	Resting	0.16
2008104-021	Lake Garfield	YP	250	200	F	Resting	0.22
2008104-022	Lake Garfield	YP	245	200	M	Resting	0.22
2008104-023	Lake Garfield	YP	218	120	M	Resting	0.14
2008104-024	Lake Garfield	YP	243	180	F	Resting	0.18
2008104-025	Lake Garfield	YP	265	232	F	Resting	0.30
2008104-026	Lake Garfield	YP	259	190	M	Resting	0.23
2008104-027	Lake Garfield	YP	242	195	F	Resting	0.16
2008104-028	Lake Garfield	YP	239	198	F	Resting	0.19
2008104-029	Lake Garfield	YP	282	300	F	Resting	0.24
2008104-030	Lake Garfield	YP	215	140	M	Resting	0.17
2008104-031	Lake Garfield	YP	257	165	M	Resting	0.38
2008104-032	Lake Garfield	YP	272	245	F	Resting	0.31
2008104-033	Lake Garfield	YP	249	163	F	Resting	0.19

SAMPLE #	*LAKE*	*SP*	*L*	*WT*	*S*	*STG*	*HG*
2008104-034	Lake Garfield	YP	202	102	M	Resting	0.08
2008104-035	Lake Garfield	YP	216	120	F	Resting	0.10
2008104-036	Lake Garfield	YP	217	128	M	Resting	0.12
2008104-037	Lake Garfield	YP	199	121	M	Resting	0.09
2008104-038	Lake Garfield	YP	206	115	F	Resting	0.12
2008104-039	Lake Garfield	YP	193	94	M	Resting	0.08
2008104-040	Lake Garfield	YP	193	98	F	Resting	0.07
2008104-041	Lake Garfield	YP	236	168	F	Resting	0.27
2008104-042	Lake Garfield	YP	242	160	F	Resting	0.19
2008104-043	Lake Garfield	YP	213	150	F	Resting	0.13
2008104-044	Lake Garfield	YP	215	135	F	Resting	0.11
2008104-045	Lake Garfield	YP	204	100	M	Resting	0.15
2008104-046	Lake Garfield	YP	228	164	M	Resting	0.11
2008104-047	Lake Garfield	YP	208	127	F	Resting	0.07
2008104-048	Lake Garfield	YP	201	105	M	Resting	0.08
2008106-004	Lowe Pond	LMB	325	387	F	Spent	0.78
2008106-005	Lowe Pond	LMB	326	470	M	Spent	0.53
2008106-006	Lowe Pond	LMB	428	1079	M	Spent	0.97
2008106-037	Lowe Pond	LMB	267	235	M	Spent	0.38
2008106-038	Lowe Pond	LMB	292	350	F	Spent	0.52
2008106-039	Lowe Pond	LMB	351	620	F	Spent	0.44
2008106-040	Lowe Pond	LMB	311	420	F	Spent	0.56
2008106-041	Lowe Pond	LMB	324	370	M	Spent	0.81
2008106-042	Lowe Pond	LMB	318	430	F	Spent	0.42
2008106-043	Lowe Pond	LMB	325	400	M	Spent	0.66
2008106-044	Lowe Pond	LMB	206	120	M	Spent	0.28
2008106-007	Lowe Pond	YP	237	171	F	Resting	1.20
2008106-008	Lowe Pond	YP	194	95	M	Resting	0.14
2008106-009	Lowe Pond	YP	214	130	F	Resting	0.20
2008106-010	Lowe Pond	YP	192	93	M	Resting	0.16
2008106-011	Lowe Pond	YP	240	190	F	Resting	0.18
2008106-012	Lowe Pond	YP	175	70	M	Resting	0.32
2008106-013	Lowe Pond	YP	248	188	F	Resting	0.30
2008106-014	Lowe Pond	YP	250	210	F	Resting	0.25
2008106-015	Lowe Pond	YP	203	115	M	Resting	0.11
2008106-016	Lowe Pond	YP	238	182	F	Resting	0.16
2008106-017	Lowe Pond	YP	270	240	F	Resting	0.30
2008106-018	Lowe Pond	YP	221	140	F	Resting	0.11
2008106-019	Lowe Pond	YP	202	110	F	Resting	0.14
2008106-020	Lowe Pond	YP	263	185	M	Resting	0.23
2008106-021	Lowe Pond	YP	251	190	F	Resting	0.27
2008106-022	Lowe Pond	YP	250	205	F	Resting	0.20

SAMPLE #	*LAKE*	*SP*	*L*	*WT*	*S*	*STG*	*HG*
2008106-023	Lowe Pond	YP	238	180	M	Resting	0.15
2008106-024	Lowe Pond	YP	203	105	F	Resting	0.10
2008106-025	Lowe Pond	YP	239	185	F	Resting	0.17
2008106-026	Lowe Pond	YP	220	135	M	Resting	0.31
2008106-027	Lowe Pond	YP	242	190	F	Resting	0.15
2008106-028	Lowe Pond	YP	261	240	F	Resting	0.46
2008106-029	Lowe Pond	YP	244	190	F	Resting	0.45
2008106-030	Lowe Pond	YP	254	200	M	Resting	0.14
2008106-031	Lowe Pond	YP	223	140	M	Resting	0.32
2008106-032	Lowe Pond	YP	205	110	M	Resting	0.29
2008106-033	Lowe Pond	YP	200	110	M	Resting	0.10
2008106-034	Lowe Pond	YP	205	110	F	Resting	0.22
2008106-035	Lowe Pond	YP	194	100	M	Resting	0.33
2008106-036	Lowe Pond	YP	183	80	M	Resting	0.18
2008092-004	Onota	LMB	184	85	F	Immature	0.10
2008092-005	Onota	LMB	185	95	F	Immature	0.08
2008092-006	Onota	LMB	291	322	F	Spent	0.13
2008092-007	Onota	LMB	345	570	M	Spent	0.13
2008092-008	Onota	LMB	441	1415	F	Ripe	0.36
2008092-009	Onota	LMB	248	200	M	Spent	0.10
2008092-010	Onota	LMB	260	260	F	Immature	0.11
2008092-011	Onota	LMB	263	230	M	Spent	0.10
2008092-012	Onota	LMB	319	460	F	Ripe	0.08
2008092-013	Onota	LMB	308	480	F	Partially Spent	0.10
2008092-014	Onota	LMB	280	300	F	Spent	0.10
2008092-015	Onota	LMB	310	365	F	Spent	0.11
2008092-016	Onota	YP	303	380	F	Resting	0.27
2008092-017	Onota	YP	200	80	F	Resting	0.13
2008092-018	Onota	YP	225	138	M	Resting	0.12
2008092-019	Onota	YP	207	95	F	Resting	0.21
2008092-020	Onota	YP	208	100	M	Resting	0.14
2008092-021	Onota	YP	170	50	F	Resting	0.09
2008092-022	Onota	YP	198	98	F	Resting	0.11
2008092-023	Onota	YP	177	55	F	Resting	0.10
2008092-024	Onota	YP	167	48	M	Resting	0.10
2008092-025	Onota	YP	154	40	F	Immature	0.05
2008092-026	Onota	YP	208	90	F	Resting	0.10
2008092-027	Onota	YP	198	80	M	Resting	0.15
2008092-028	Onota	YP	177	60	M	Resting	0.08
2008092-029	Onota	YP	165	50	F	Immature	0.09
2008092-030	Onota	YP	167	50	M	Immature	0.13
2008092-031	Onota	YP	221	100	M	Resting	0.30

SAMPLE #	*LAKE*	*SP*	*L*	*WT*	*S*	*STG*	*HG*
2008092-032	Onota	YP	193	80	F	Resting	0.12
2008092-033	Onota	YP	215	102	F	Resting	0.12
2008092-034	Onota	YP	175	60	M	Resting	0.09
2008092-035	Onota	YP	177	60	F	Immature	0.09
2008092-036	Onota	YP	291	330	F	Resting	0.27
2008092-037	Onota	YP	228	120	F	Resting	0.14
2008092-038	Onota	YP	208	90	M	Resting	0.17
2008092-039	Onota	YP	195	80	F	Resting	0.11
2008092-040	Onota	YP	180	62	M	Resting	0.10
2008092-041	Onota	YP	193	75	F	Resting	0.14
2008092-042	Onota	YP	193	60	F	Resting	0.15
2008092-043	Onota	YP	180	60	M	Resting	0.14
2008092-044	Onota	YP	178	63	F	Resting	0.09
2008092-045	Onota	YP	180	60	F	Resting	0.14
2008101-004	Pelham Lake	LMB	309	440	M	Spent	0.13
2008101-005	Pelham Lake	LMB	307	420	F	Partially Spent	0.13
2008101-006	Pelham Lake	LMB	254	250	F	Spent	0.11
2008101-007	Pelham Lake	LMB	208	145	M	Spent	0.09
2008101-008	Pelham Lake	LMB	219	170	F	Immature	0.09
2008101-009	Pelham Lake	LMB	205	120	F	Immature	0.11
2008101-010	Pelham Lake	LMB	197	100	F	Immature	0.14
2008101-011	Pelham Lake	YP	185	50	F	Resting	0.14
2008101-012	Pelham Lake	YP	151	35	F	Immature	0.21
2008101-013	Pelham Lake	YP	185	65	F	Resting	0.24
2008101-014	Pelham Lake	YP	161	45	F	Immature	0.12
2008101-015	Pelham Lake	YP	192	75	F	Resting	0.32
2008101-016	Pelham Lake	YP	160	45	F	Immature	0.17
2008101-017	Pelham Lake	YP	175	60	F	Resting	0.32
2008101-018	Pelham Lake	YP	176	55	F	Resting	0.24
2008101-019	Pelham Lake	YP	155	40	F	Immature	0.17
2008101-020	Pelham Lake	YP	200	71	F	Resting	0.35
2008101-021	Pelham Lake	YP	168	50	F	Resting	0.24
2008101-022	Pelham Lake	YP	153	40	M	Immature	0.23
2008101-023	Pelham Lake	YP	188	62	F	Resting	0.34
2008101-024	Pelham Lake	YP	159	45	F	Immature	0.19
2008101-025	Pelham Lake	YP	141	29	F	Immature	0.27
2008101-026	Pelham Lake	YP	185	60	F	Resting	0.32
2008101-027	Pelham Lake	YP	154	32	M	Immature	0.24
2008101-028	Pelham Lake	YP	177	55	F	Resting	0.40
2008101-029	Pelham Lake	YP	192	70	F	Resting	0.34
2008101-030	Pelham Lake	YP	188	70	F	Resting	0.24
2008101-031	Pelham Lake	YP	199	73	F	Resting	0.37

SAMPLE #	*LAKE*	*SP*	*L*	*WT*	*S*	*STG*	*HG*
2008101-032	Pelham Lake	YP	165	42	M	Immature	0.29
2008101-033	Pelham Lake	YP	167	45	M	Immature	0.34
2008101-034	Pelham Lake	YP	165	48	F	Immature	0.24
2008101-035	Pelham Lake	YP	155	41	F	Immature	0.24
2008101-036	Pelham Lake	YP	168	49	F	Immature	0.29
2008101-037	Pelham Lake	YP	146	30	F	Immature	0.20
2008101-038	Pelham Lake	YP	164	42	F	Immature	0.24
2008101-039	Pelham Lake	YP	150	32	F	Immature	0.22
2008101-040	Pelham Lake	YP	186	70	M	Resting	0.55
2008102-004	Plainfield Pond	YP	162	45	F	Immature	0.18
2008102-005	Plainfield Pond	YP	142	30	M	Immature	0.15
2008102-006	Plainfield Pond	YP	146	30	F	Immature	0.10
2008102-007	Plainfield Pond	YP	129	20	F	Immature	0.14
2008102-008	Plainfield Pond	YP	141	30	M	Immature	0.14
2008102-009	Plainfield Pond	YP	151	35	F	Immature	0.21
2008102-010	Plainfield Pond	YP	153	40	M	Immature	0.20
2008102-011	Plainfield Pond	YP	164	50	F	Immature	0.12
2008102-012	Plainfield Pond	YP	176	45	M	Immature	0.20
2008102-013	Plainfield Pond	YP	172	50	M	Resting	0.38
2008102-014	Plainfield Pond	YP	157	45	F	Immature	0.14
2008102-015	Plainfield Pond	YP	176	55	F	Resting	0.19
2008102-016	Plainfield Pond	YP	161	40	F	Immature	0.21
2008102-017	Plainfield Pond	YP	134	25	M	Immature	0.15
2008102-018	Plainfield Pond	YP	158	40	F	Immature	0.19
2008102-019	Plainfield Pond	YP	211	100	F	Resting	0.26
2008102-020	Plainfield Pond	YP	148	30	F	Immature	0.19
2008102-021	Plainfield Pond	YP	190	70	F	Resting	0.24
2008102-022	Plainfield Pond	YP	158	40	F	Immature	0.32
2008102-023	Plainfield Pond	YP	165	50	F	Immature	0.25
2008102-024	Plainfield Pond	YP	154	40	M	Immature	0.15
2008102-025	Plainfield Pond	YP	146	30	F	Immature	0.13
2008102-026	Plainfield Pond	YP	189	75	F	Resting	0.20
2008102-027	Plainfield Pond	YP	186	70	F	Resting	0.21
2008102-028	Plainfield Pond	YP	224	120	F	Resting	0.34
2008102-029	Plainfield Pond	YP	152	35	F	Immature	0.16
2008102-030	Plainfield Pond	YP	188	70	F	Resting	0.22
2008102-031	Plainfield Pond	YP	135	30	F	Immature	0.10
2008102-032	Plainfield Pond	YP	173	55	F	Resting	0.17
2008102-033	Plainfield Pond	YP	190	70	F	Resting	0.19
2008343-034	Round Pond (East)	LMB	246	208	M	Spent	0.66
2008343-035	Round Pond (East)	LMB	298	387	F	Spent	1.20
2008343-036	Round Pond (East)	LMB	312	453	F	Spent	1.40

SAMPLE #	*LAKE*	*SP*	*L*	*WT*	*S*	*STG*	*HG*
2008343-037	Round Pond (East)	LMB	379	846	M	Spent	1.20
2008343-038	Round Pond (East)	LMB	376	817	F	Spent	1.00
2008343-039	Round Pond (East)	LMB	388	899	F	Spent	1.30
2008343-040	Round Pond (East)	LMB	413	1115	M	Spent	1.30
2008343-041	Round Pond (East)	LMB	411	1081	M	Spent	1.50
2008343-042	Round Pond (East)	LMB	434	1216	M	Spent	1.60
2008343-043	Round Pond (East)	LMB	451	1365	F	Spent	1.50
2008343-044	Round Pond (East)	LMB	463	1336	F	Spent	1.90
2008343-045	Round Pond (East)	LMB	444	1255	M	Spent	1.80
2008343-046	Round Pond (East)	LMB	488	1628	F	Spent	2.00
2008343-047	Round Pond (East)	LMB	470	1766	F	Spent	1.90
2008343-048	Round Pond (East)	LMB	508	2013	F	Spent	2.20
2008343-004	Round Pond (East)	YP	226	103	F	Resting	0.70
2008343-005	Round Pond (East)	YP	271	174	M	Resting	1.30
2008343-006	Round Pond (East)	YP	217	99	M	Resting	0.57
2008343-007	Round Pond (East)	YP	249	144	M	Resting	1.00
2008343-008	Round Pond (East)	YP	215	101	M	Resting	0.55
2008343-009	Round Pond (East)	YP	250	135	M	Resting	0.99
2008343-010	Round Pond (East)	YP	218	102	F	Resting	0.86
2008343-011	Round Pond (East)	YP	234	103	F	Resting	1.20
2008343-012	Round Pond (East)	YP	216	88	F	Resting	0.63
2008343-013	Round Pond (East)	YP	206	84	M	Resting	0.61
2008343-014	Round Pond (East)	YP	202	81	F	Resting	0.48
2008343-015	Round Pond (East)	YP	205	83	F	Resting	0.59
2008343-016	Round Pond (East)	YP	213	91	F	Resting	0.67
2008343-017	Round Pond (East)	YP	197	70	F	Resting	0.61
2008343-018	Round Pond (East)	YP	206	81	F	Resting	0.76
2008343-019	Round Pond (East)	YP	203	77	M	Resting	0.58
2008343-020	Round Pond (East)	YP	202	76	M	Resting	0.63
2008343-021	Round Pond (East)	YP	195	66	F	Resting	0.70
2008343-022	Round Pond (East)	YP	198	72	M	Resting	0.66
2008343-023	Round Pond (East)	YP	211	91	F	Resting	0.47
2008343-024	Round Pond (East)	YP	209	85	F	Resting	0.48
2008343-025	Round Pond (East)	YP	208	83	F	Resting	0.51
2008343-026	Round Pond (East)	YP	200	83	M	Resting	0.56
2008343-027	Round Pond (East)	YP	201	72	M	Resting	0.66
2008343-028	Round Pond (East)	YP	194	63	F	Resting	0.74
2008343-029	Round Pond (East)	YP	188	63	F	Resting	0.60
2008343-030	Round Pond (East)	YP	187	62	M	Resting	0.37
2008343-031	Round Pond (East)	YP	185	60	M	Resting	0.67
2008343-032	Round Pond (East)	YP	182	57	M	Resting	0.54
2008343-033	Round Pond (East)	YP	167	49	F	Resting	0.20

SAMPLE #	*LAKE*	*SP*	*L*	*WT*	*S*	*STG*	*HG*
2008098-004	Stockbridge Bowl	LMB	378	930	F	Spent	0.37
2008098-005	Stockbridge Bowl	LMB	282	335	M	Spent	0.14
2008098-006	Stockbridge Bowl	LMB	323	400	M	Spent	0.36
2008098-007	Stockbridge Bowl	LMB	359	655	F	Spent	0.44
2008098-008	Stockbridge Bowl	LMB	508	1925	F	Spent	1.20
2008098-009	Stockbridge Bowl	LMB	258	260	M	Spent	0.14
2008098-010	Stockbridge Bowl	LMB	483	1840	M	Ripe	1.20
2008098-011	Stockbridge Bowl	LMB	312	455	M	Spent	0.25
2008098-012	Stockbridge Bowl	LMB	414	1080	F	Spent	0.58
2008098-013	Stockbridge Bowl	LMB	341	545	M	Spent	0.27
2008098-014	Stockbridge Bowl	LMB	349	650	F	Spent	0.32
2008098-015	Stockbridge Bowl	LMB	363	725	F	Spent	0.40
2008098-016	Stockbridge Bowl	LMB	418	1035	F	Spent	0.64
2008098-017	Stockbridge Bowl	LMB	386	972	M	Partially Spent	0.45
2008098-018	Stockbridge Bowl	LMB	510	2350	F	Spent	0.96
2008098-019	Stockbridge Bowl	YP	183	65	M	Resting	0.17
2008098-020	Stockbridge Bowl	YP	242	130	M	Resting	0.28
2008098-021	Stockbridge Bowl	YP	178	70	F	Resting	0.17
2008098-022	Stockbridge Bowl	YP	177	62	M	Resting	0.11
2008098-023	Stockbridge Bowl	YP	193	80	M	Resting	0.13
2008098-024	Stockbridge Bowl	YP	219	130	F	Resting	0.13
2008098-025	Stockbridge Bowl	YP	197	80	F	Resting	0.11
2008098-026	Stockbridge Bowl	YP	202	102	F	Resting	0.10
2008098-027	Stockbridge Bowl	YP	226	145	M	Resting	0.26
2008098-028	Stockbridge Bowl	YP	228	120	F	Resting	0.13
2008098-029	Stockbridge Bowl	YP	183	79	F	Resting	0.11
2008098-030	Stockbridge Bowl	YP	251	210	F	Resting	0.26
2008098-031	Stockbridge Bowl	YP	168	55	F	Resting	0.06
2008098-032	Stockbridge Bowl	YP	203	99	F	Resting	0.20
2008098-033	Stockbridge Bowl	YP	170	52	M	Resting	0.14
2008098-034	Stockbridge Bowl	YP	204	97	F	Resting	0.13
2008098-035	Stockbridge Bowl	YP	178	72	M	Resting	0.18
2008098-036	Stockbridge Bowl	YP	181	65	M	Resting	0.18
2008098-037	Stockbridge Bowl	YP	198	98	M	Resting	0.14
2008098-038	Stockbridge Bowl	YP	208	110	F	Resting	0.13
2008098-039	Stockbridge Bowl	YP	175	60	F	Immature	0.10
2008098-040	Stockbridge Bowl	YP	165	50	F	Immature	0.06
2008098-041	Stockbridge Bowl	YP	181	72	M	Resting	0.14
2008098-042	Stockbridge Bowl	YP	167	65	M	Resting	0.11
2008098-043	Stockbridge Bowl	YP	162	51	F	Immature	0.14
2008098-044	Stockbridge Bowl	YP	175	61	F	Resting	0.13
2008098-045	Stockbridge Bowl	YP	190	70	F	Resting	0.14

SAMPLE #	*LAKE*	*SP*	*L*	*WT*	*S*	*STG*	*HG*
2008098-046	Stockbridge Bowl	YP	197	88	F	Resting	0.13
2008098-047	Stockbridge Bowl	YP	210	110	F	Resting	0.11
2008098-048	Stockbridge Bowl	YP	196	89	F	Resting	0.16
2008089-004	Wampanoag	LMB	515	2520	F	Ripe	1.60
2008089-005	Wampanoag	LMB	312	390	F	Spent	0.25
2008089-006	Wampanoag	LMB	291	310	M	Spent	0.38
2008089-007	Wampanoag	LMB	349	520	M	Spent	0.34
2008089-008	Wampanoag	LMB	411	900	F	Partially Spent	0.78
2008089-009	Wampanoag	LMB	291	310	M	Spent	0.37
2008089-010	Wampanoag	LMB	295	330	M	Spent	0.37
2008089-011	Wampanoag	LMB	291	290	M	Spent	0.26
2008089-012	Wampanoag	LMB	282	280	M	Spent	0.39
2008089-013	Wampanoag	LMB	281	290	M	Spent	0.30
2008089-014	Wampanoag	LMB	270	260	F	Spent	0.36
2008089-015	Wampanoag	LMB	311	380	M	Spent	0.44
2008089-016	Wampanoag	LMB	284	270	F	Partially Spent	0.35
2008089-017	Wampanoag	LMB	281	270	M	Spent	0.38
2008089-018	Wampanoag	LMB	264	225	M	Spent	0.37
2008089-019	Wampanoag	YP	192	80	M	Resting	0.36
2008089-020	Wampanoag	YP	174	55	M	Resting	0.32
2008089-021	Wampanoag	YP	144	30	M	Immature	0.19
2008089-022	Wampanoag	YP	141	30	F	Immature	0.20
2008089-023	Wampanoag	YP	135	25	F	Immature	0.15
2008089-024	Wampanoag	YP	230	140	F	Resting	0.38
2008089-025	Wampanoag	YP	130	25	M	Immature	0.16
2008089-026	Wampanoag	YP	158	45	F	Immature	0.13
2008089-027	Wampanoag	YP	157	40	M	Immature	0.26
2008089-028	Wampanoag	YP	199	90	F	Resting	0.42
2008089-029	Wampanoag	YP	125	20	F	Immature	0.12
2008089-030	Wampanoag	YP	145	30	F	Immature	0.19
2008089-031	Wampanoag	YP	165	50	M	Immature	0.25
2008089-032	Wampanoag	YP	140	30	M	Immature	0.12
2008089-033	Wampanoag	YP	146	30	M	Immature	0.21
2008089-034	Wampanoag	YP	155	40	F	Immature	0.21
2008089-035	Wampanoag	YP	166	55	M	Resting	0.32
2008089-036	Wampanoag	YP	170	55	F	Resting	0.17
2008089-037	Wampanoag	YP	228	130	F	Resting	0.55
2008089-038	Wampanoag	YP	191	80	F	Resting	0.24
2008089-039	Wampanoag	YP	189	80	F	Resting	0.21
2008089-040	Wampanoag	YP	180	60	F	Resting	0.23
2008089-041	Wampanoag	YP	210	120	F	Resting	0.30
2008089-042	Wampanoag	YP	243	160	F	Resting	0.58

SAMPLE #	*LAKE*	*SP*	*L*	*WT*	*S*	*STG*	*HG*
2008089-043	Wampanoag	YP	166	50	F	Resting	0.20
2008089-044	Wampanoag	YP	158	50	M	Resting	0.20
2008089-045	Wampanoag	YP	170	55	F	Resting	0.19
2008089-046	Wampanoag	YP	166	50	F	Resting	0.17
2008089-047	Wampanoag	YP	172	60	F	Resting	0.17
2008089-048	Wampanoag	YP	155	45	M	Resting	0.30
2008093-004	Wequaquet	LMB	386	900	F	Ripe	0.28
2008093-005	Wequaquet	LMB	418	1190	M	Partially Spent	0.89
2008093-006	Wequaquet	LMB	448	1509	M	Partially Spent	0.92
2008093-007	Wequaquet	LMB	449	1695	F	Ripe	0.95
2008093-008	Wequaquet	LMB	439	1260	F	Ripe	1.10
2008093-009	Wequaquet	LMB	431	1395	M	Partially Spent	0.84
2008093-010	Wequaquet	LMB	363	760	F	Ripe	0.46
2008093-011	Wequaquet	LMB	502	1810	F	Ripe	1.00
2008093-012	Wequaquet	LMB	460	1910	F	Ripe	0.59
2008093-013	Wequaquet	LMB	441	1400	M	Partially Spent	0.91
2008093-014	Wequaquet	LMB	441	1315	M	Ripe	0.72
2008093-015	Wequaquet	LMB	455	1575	F	Ripe	0.87
2008093-016	Wequaquet	LMB	436	1280	M	Partially Spent	0.86
2008093-017	Wequaquet	LMB	470	1810	M	Partially Spent	1.00
2008093-018	Wequaquet	LMB	450	1530	M	Partially Spent	0.93
2008093-019	Wequaquet	YP	286	225	M	Ripe	0.37
2008093-020	Wequaquet	YP	293	250	M	Partially Spent	0.75
2008093-021	Wequaquet	YP	266	220	M	Spent	0.36
2008093-022	Wequaquet	YP	206	105	M	Spent	0.30
2008093-023	Wequaquet	YP	178	58	M	Spent	0.34
2008093-024	Wequaquet	YP	223	123	M	Spent	0.32
2008093-025	Wequaquet	YP	230	54	F	Immature	0.21
2008093-026	Wequaquet	YP	194	80	F	Immature	0.28
2008093-027	Wequaquet	YP	167	48	F	Immature	0.16
2008093-028	Wequaquet	YP	216	119	F	Immature	0.26
2008093-029	Wequaquet	YP	308	321	F	Spent	0.61
2008093-030	Wequaquet	YP	173	52	M	Immature	0.17
2008093-031	Wequaquet	YP	167	50	M	Immature	0.17
2008093-032	Wequaquet	YP	186	68	F	Immature	0.30
2008093-033	Wequaquet	YP	178	58	M	Immature	0.31
2008093-034	Wequaquet	YP	319	339	F	Resting	0.28
2008093-035	Wequaquet	YP	180	55	M	Immature	0.22
2008093-036	Wequaquet	YP	247	195	M	Immature	0.32
2008093-037	Wequaquet	YP	162	45	F	Immature	0.14
2008093-038	Wequaquet	YP	193	70	M	Immature	0.34
2008093-039	Wequaquet	YP	167	51	M	Immature	0.15

SAMPLE #	*LAKE*	*SP*	*L*	*WT*	*S*	*STG*	*HG*
2008093-040	Wequaquet	YP	306	365	F	Resting	0.32
2008093-041	Wequaquet	YP	282	250	F	Resting	0.35
2008093-042	Wequaquet	YP	170	52	F	Immature	0.34
2008093-043	Wequaquet	YP	264	201	F	Spent	0.41
2008093-044	Wequaquet	YP	182	61	M	Immature	0.38
2008093-045	Wequaquet	YP	175	55	F	Immature	0.23
2008093-046	Wequaquet	YP	307	336	F	Spent	0.38
2008093-047	Wequaquet	YP	266	199	F	Resting	0.52
2008093-048	Wequaquet	YP	310	335	F	Spent	0.56