Fish Mercury Long Term Monitoring
2007 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 report, the 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 that 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 a future report. The data collected in 2007 are presented below.

DATA

The lakes sampled in 2007 and statistical summaries of the edible fish tissue mercury concentrations are presented in Table 1.

Time series of mean size-standardized mercury concentrations for each species are presented in Figures 1 and 2 to provide perspective on the current year's sampling results in relation to previous sampling performed in the same lakes. Figure 3 presents results of lakes first sampled in 2007.

The 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 3). Data from depth profiles for temperature, pH, conductivity and dissolved oxygen concentration were averaged over depth and means reported in Table 2.

Table 1. 2007 Fish Mercury Concentration (mg Hg/kg wet wt) Statistics

LAKE	Species[1]:	LMB					YP				
		$\bar{X}$	s	n	min	max	$\bar{X}$	s	n	min	max
Bare Hill Pond		0.69	0.35	15	0.31	1.3	0.19	0.08	30	0.09	0.42
Haggetts Pond		0.65	0.47	15	0.26	1.9	0.31	0.22	30	0.12	1.1
Johnsons Pond		0.63	0.39	15	0.26	1.6	0.18	0.07	30	0.07	0.34
Massapoag		0.65	0.2	15	0.42	1.2	0.27	0.11	30	0.1	0.47
Dunstable											
Pomps Pond		0.33	0.12	8	0.18	0.53	0.18	0.07	8	0.1	0.27
Rock Pond		1.01	0.57	15	0.48	2.2	0.26	0.15	30	0.09	0.65
North Watuppa		0.92	0.27	15	0.55	1.4	0.46	0.15	30	0.22	0.91
Pond											
Upper Reservoir		1.35	0.07	2	1.3	1.4	0.43	0.38	14	0.19	1.7
Lake Lashaway		0.57	0.42	15	0.26	1.7	0.17	0.09	14	0.08	0.36
Lake Nippenicket		1.1	0.37	15	0.76	1.8	0.55	0.14	30	0.36	1
Massapoag		0.54	0.25	15	0.31	1.2	0.18	0.08	30	0.08	0.35
Sharon											
Wickaboag Pond		0.36	0.23	15	0.13	0.98	0.14	0.1	30	0.07	0.66
Upper Naukeag		0.98	0.37	12	0.44	1.8	0.54	0.14	30	0.32	0.79
Dyer Pond				0			1.45	0.64	30	0.58	3
Slough Pond		1.17	0.13	12	0.98	1.4	0.66	0.26	30	0.27	1.1
Crystal Lake		0.34	0.12	15	0.22	0.59			0		

[1] LMB = largemouth bass, *Micropterus salmoides*; YP = yellow perch = *Perca flavescens*; $\bar{X}$ = mean, s = standard deviation

Figure 1. Annual Species Trends in Size-Standardized Fish Tissue Mercury 1999-2007
Northeastern Lakes

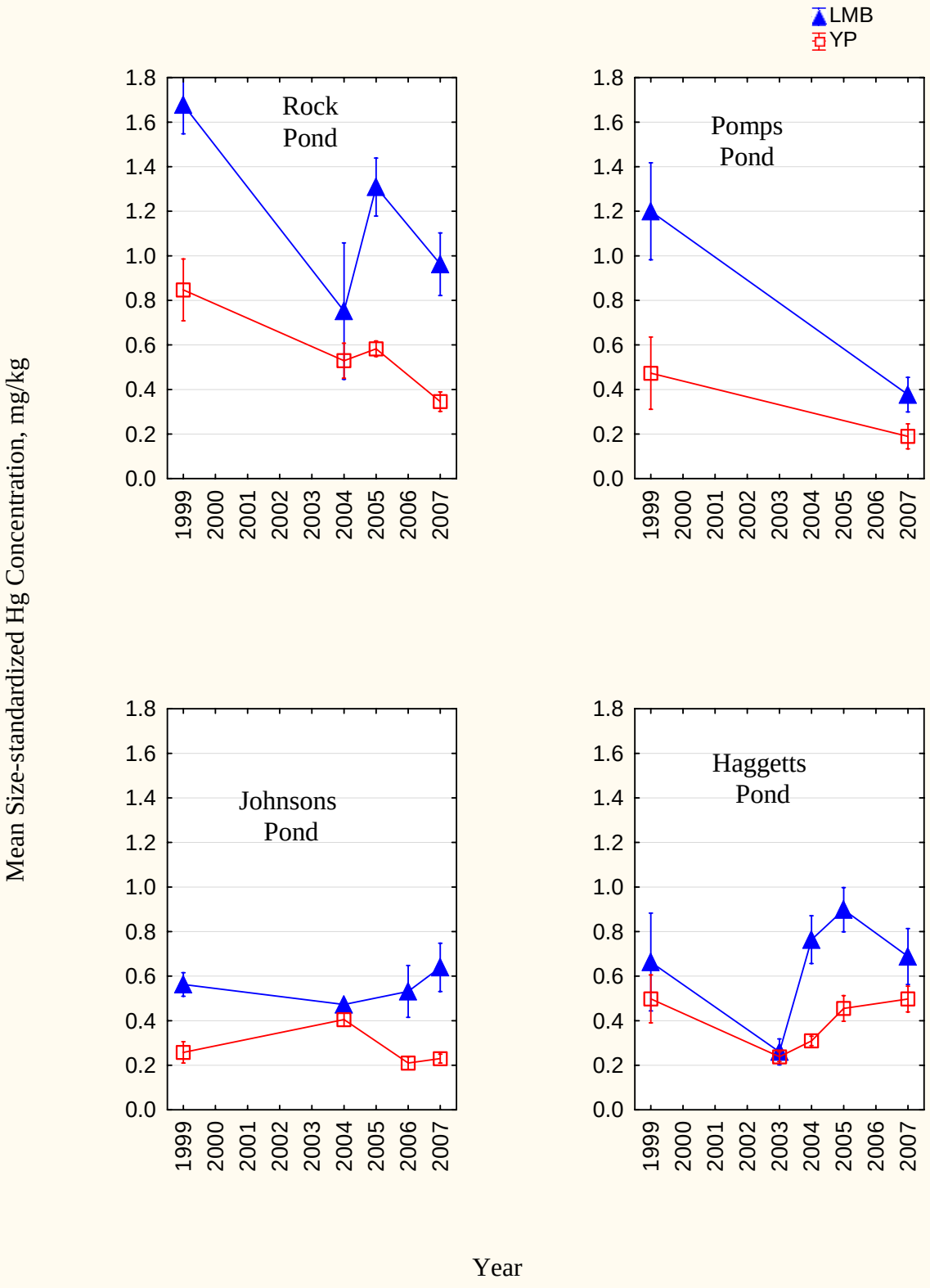

Figure 2. Annual Species Trends in Mean Size-Standardized Fish Tissue Mercury 1999-2007
Rest of State

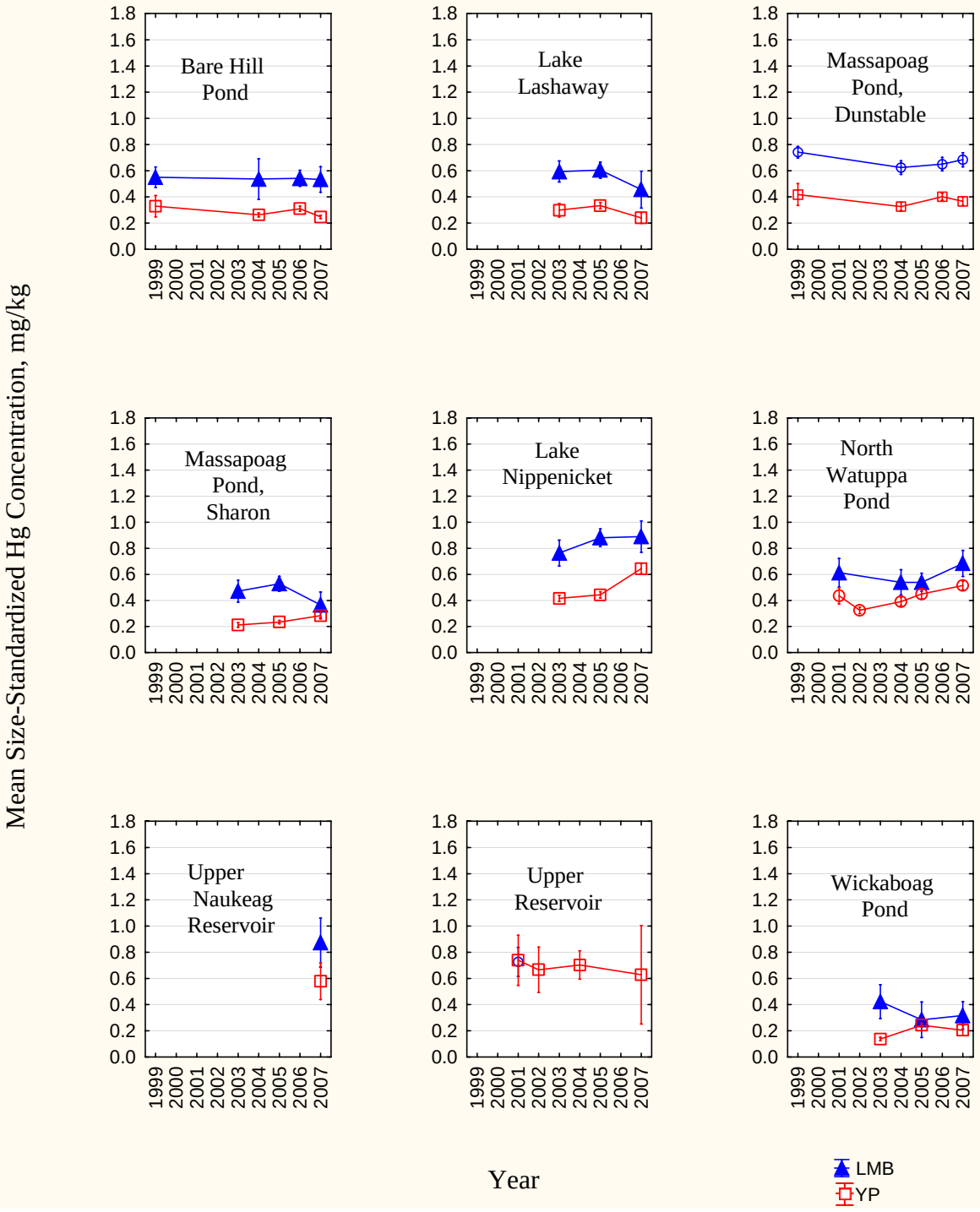

Figure 3. Mean (±1s) Size-Standardized Mercury Concentrations in Lakes First Tested in 2007

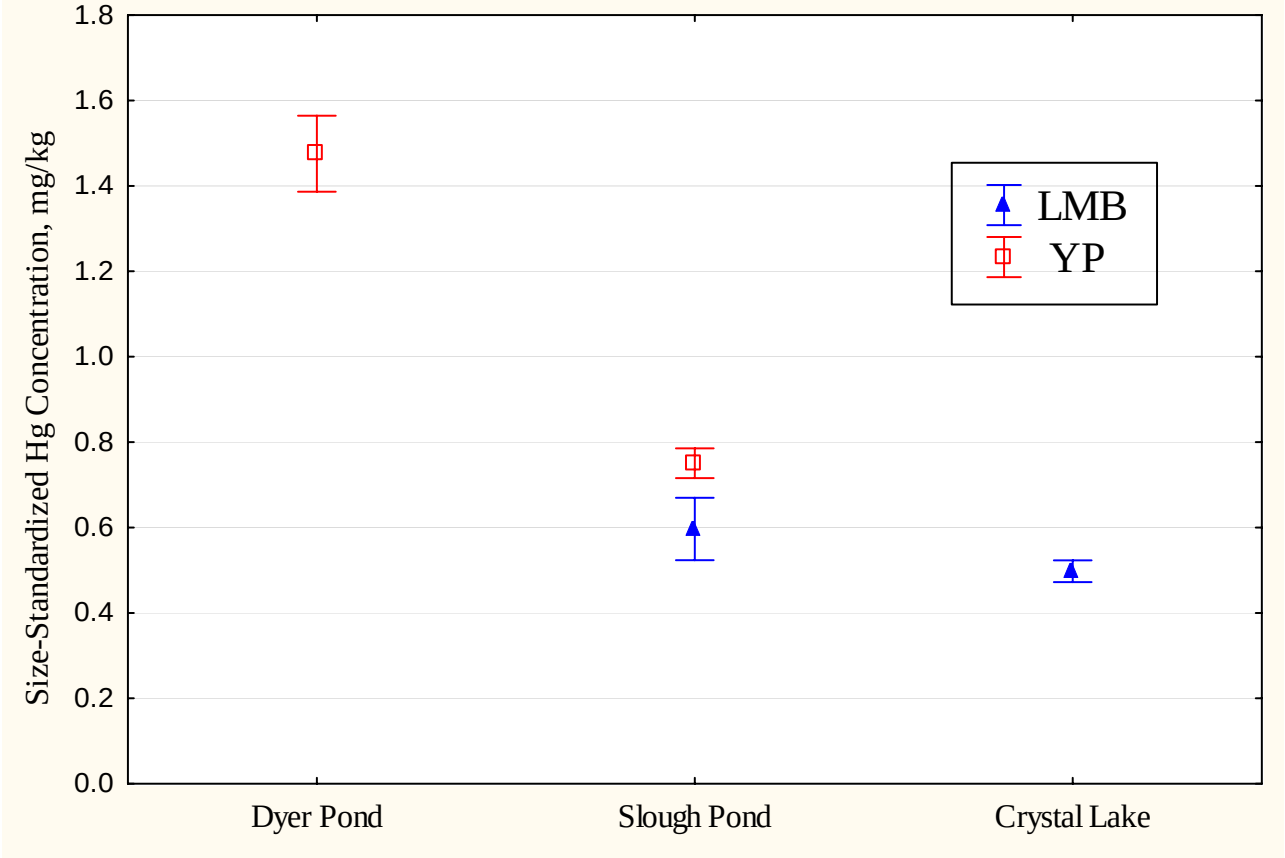

Table 1. 2007 Lake Water Physical Characteristics at Fish Sampling

Lake	Sampling Date	T	DO	pH	SC
Bare Hill Pond	5/8/2007	12.6	9.7	8.4	128
Crystal Lake	6/14/2007	11.6	6.7	6.7	110
Dyer Pond	6/5/2007	17.1	8.3	5.9	75
Haggetts Pond	5/22/2007	13.3	8.8	7.5	327
Johnsons Pond	5/9/2007	12.8	9.8	8.5	127
Lake Lashaway	6/11/2007	18.5	4.6	7.4	68
Lake Nippenicket	5/2/2007	14.8	9.9	7.8	172
Massapoag Dunstable	5/9/2007	9.8	9.9	8.2	184
Massapoag Sharon	5/7/2007	11.6	11.0	8.3	100
North Watuppa Pond	6/13/2007	20.6	8.2	7.3	75
Pomps Pond	6/26/2007	22.7	8.9	8.0	245
Rock Pond	5/1/2007	9.6	8.9	7.8	167
Slough Pond	6/5/2007	20.3	8.1	5.4	121
Upper Naukeag	5/15/2007	9.7	6.6	6.6	45
Upper Reservoir	5/14/2007	17.7	6.3	5.7	50
Wickaboag Pond	6/11/2007	22.7	8.4	7.7	70

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

Table 2. 2007 Lake Water Chemistry, all units mg/L

Lake	TP	NO_2-N+NO_3-N	NH_3	Ca	Na	K	Mg	Fe	Mn	DOC	Cl	SO_4
Bare Hill Pond	0.02	0.06	<0.02	5.7	16	1.0	1.4	0.07	0.01	14.0	28	7.9
Crystal Lake	0.01	0.02	0.04	1.7	15	1.0	1.6	0.17	<0.003	3.8	26	5.9
Dyer Pond	0.01	<0.01	<0.02	0.8	10	<0.7	1.3	1.0	<0.003	3.3	17	4.1
Haggetts Pond	0.02	0.14	0.03	11	43	2.7	2.6	0.07	0.02	5.6	82	9.5
Johnsons Pond	0.02	<0.01	<0.02	9.3	10	1.9	2.3	1.0	0.05	4.9	17	6.7
Lake Lashaway	0.02	<0.01	<0.02	3.7	6.3	0.8	1.1	0.41	0.04	4.9	7.5	6.7
Lake Nippenicket	0.02	0.04	<0.02	4.0	25	2.1	1.3	0.65	0.03	9.9	47	6.2
Massapoag, Dunstable	0.01	0.10	<0.02	12	17	2.5	1.7	0.14	0.09	4.0	35	6.7
Massapoag, Sharon	0.01	0.22	0.02	4.4	12	1.0	1.2	0.11	0.02	7.0	19	6.2
North Watuppa Pond	0.08	<0.01	<0.02	2.4	9.7	<0.7	0.8	0.08	<0.003	4.1	15	5.4
Pomps Pond	0.02	0.02	0.03	12	27	1.5	2.7	0.14	<0.003	4.0	52	7.7
Rock Pond	0.02	0.27	<0.02	8.3	18	3.2	2.0	0.23	<0.003	5.2	31	10
Slough Pond	0.01	<0.01	<0.02	1.2	16	1.0	2.3	0.08	<0.003	0.8	28	8.5
Upper Naukeag	0.01	0.04	<0.02	1.0	7.0	<0.7	0.3	0.03	<0.003	6.5	9.3	3.6
Upper Reservoir	0.02	<0.01	<0.02	1.8	6.1	<0.7	0.5	0.27	<0.003	10.0	9.0	5.0
Wickaboag Pond	0.03	<0.01	<0.02	4.5	6.8	1.0	1.5	0.61	<0.003	5.4	9.3	8.8

KEY: TP = total phosphorus; 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.

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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 2007

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

SAMPLE #	*LAKE*	*SP*	*L*	*W*	*S*	*STG*	*HG*
2007144-001	Bare Hill Pond	YP	241	160	F	resting	0.26
2007144-002	Bare Hill Pond	YP	309	370	F	resting	0.42
2007144-003	Bare Hill Pond	YP	249	180	F	resting	0.29
2007144-004	Bare Hill Pond	YP	207	95	F	resting	0.16
2007144-005	Bare Hill Pond	YP	308	300	F	resting	0.34
2007144-006	Bare Hill Pond	YP	256	200	F	resting	0.20
2007144-007	Bare Hill Pond	YP	205	95	F	resting	0.23
2007144-008	Bare Hill Pond	YP	208	110	F	resting	0.17
2007144-009	Bare Hill Pond	YP	274	240	F	resting	0.26
2007144-010	Bare Hill Pond	YP	186	70	M	resting	0.18
2007144-011	Bare Hill Pond	YP	187	70	F	resting	0.22
2007144-012	Bare Hill Pond	YP	168	55	F	immature	0.09
2007144-013	Bare Hill Pond	YP	220	125	F	resting	0.19
2007144-014	Bare Hill Pond	YP	229	130	F	resting	0.23
2007144-015	Bare Hill Pond	YP	183	60	F	resting	0.13
2007144-016	Bare Hill Pond	YP	156	40	M	resting	0.10
2007144-017	Bare Hill Pond	YP	160	45	F	immature	0.12
2007144-018	Bare Hill Pond	YP	204	90	F	resting	0.22
2007144-019	Bare Hill Pond	YP	192	70	F	resting	0.16
2007144-020	Bare Hill Pond	YP	170	55	F	immature	0.12
2007144-021	Bare Hill Pond	YP	164	50	F	immature	0.16
2007144-022	Bare Hill Pond	YP	171	50	F	immature	0.10
2007144-023	Bare Hill Pond	YP	253	220	F	resting	0.30
2007144-024	Bare Hill Pond	YP	220	125	F	resting	0.17
2007144-025	Bare Hill Pond	YP	227	140	F	resting	0.21
2007144-026	Bare Hill Pond	YP	213	115	F	resting	0.22
2007144-027	Bare Hill Pond	YP	159	50	F	resting	0.10
2007144-028	Bare Hill Pond	YP	154	45	F	immature	0.15
2007144-029	Bare Hill Pond	YP	173	60	F	immature	0.10
2007144-030	Bare Hill Pond	YP	225	120	F	resting	0.19
2007144-031	Bare Hill Pond	LMB	406	820	F	developing	0.98
2007144-032	Bare Hill Pond	LMB	498	1920	M	developing	0.96
2007144-033	Bare Hill Pond	LMB	465	1460	M	developing	1.20
2007144-034	Bare Hill Pond	LMB	402	920	M	developing	0.70
2007144-035	Bare Hill Pond	LMB	436	1135	F	developing	1.30
2007144-036	Bare Hill Pond	LMB	482	1550	F	ripe	0.97
2007144-037	Bare Hill Pond	LMB	437	1155	M	developing	0.92
2007144-038	Bare Hill Pond	LMB	381	805	M	developing	0.48
2007144-039	Bare Hill Pond	LMB	352	650	M	developing	0.43

SAMPLE #	*LAKE*	*SP*	*L*	*W*	*S*	*STG*	*HG*
2007144-040	Bare Hill Pond	LMB	228	130	F	developing	0.31
2007144-041	Bare Hill Pond	LMB	325	470	M	developing	0.35
2007144-042	Bare Hill Pond	LMB	303	360	M	developing	0.34
2007144-043	Bare Hill Pond	LMB	377	700	F	developing	0.70
2007144-044	Bare Hill Pond	LMB	274	260	F	developing	0.33
2007144-045	Bare Hill Pond	LMB	320	410	M	developing	0.31
2007203-004	Crystal Lake	LMB	361	620	F	developing	0.59
2007203-005	Crystal Lake	LMB	306	400	F	developing	0.35
2007203-006	Crystal Lake	LMB	300	380	F	developing	0.46
2007203-007	Crystal Lake	LMB	267	260	M	developing	0.42
2007203-008	Crystal Lake	LMB	242	190	M	developing	0.26
2007203-009	Crystal Lake	LMB	213	140	M	developing	0.22
2007203-010	Crystal Lake	LMB	215	124	F	developing	0.25
2007203-011	Crystal Lake	LMB	184	80	F	developing	0.23
2007203-012	Crystal Lake	LMB	221	158	M	developing	0.26
2007203-013	Crystal Lake	LMB	185	90	F	developing	0.27
2007203-014	Crystal Lake	LMB	277	275	M	developing	0.34
2007203-015	Crystal Lake	LMB	232	160	M	developing	0.30
2007203-016	Crystal Lake	LMB	192	82	M	developing	0.24
2007203-017	Crystal Lake	LMB	315	475	F	developing	0.40
2007203-018	Crystal Lake	LMB	362	645	F	developing	0.57
2007193-004	Dyer Pond	YP	256	165	F	resting	1.80
2007193-005	Dyer Pond	YP	213	100	F	resting	1.50
2007193-006	Dyer Pond	YP	233	122	F	resting	1.30
2007193-007	Dyer Pond	YP	289	270	F	resting	1.90
2007193-008	Dyer Pond	YP	304	320	F	resting	2.00
2007193-009	Dyer Pond	YP	273	212	F	resting	1.50
2007193-010	Dyer Pond	YP	281	238	F	resting	1.80
2007193-011	Dyer Pond	YP	345	495	F	resting	2.50
2007193-012	Dyer Pond	YP	317	300	F	resting	2.50
2007193-013	Dyer Pond	YP	264	185	F	resting	1.30
2007193-014	Dyer Pond	YP	297	280	F	resting	2.10
2007193-015	Dyer Pond	YP	315	290	F	resting	3.00
2007193-016	Dyer Pond	YP	314	315	F	resting	2.20
2007193-017	Dyer Pond	YP	312	360	F	resting	2.00
2007193-018	Dyer Pond	YP	281	222	F	resting	2.10
2007193-019	Dyer Pond	YP	280	238	F	resting	1.60
2007193-020	Dyer Pond	YP	213	85	F	resting	1.00
2007193-021	Dyer Pond	YP	207	90	F	resting	1.40
2007193-022	Dyer Pond	YP	216	90	F	resting	1.00
2007193-023	Dyer Pond	YP	187	70	F	resting	1.10
2007193-024	Dyer Pond	YP	194	62	M	resting	0.92
2007193-025	Dyer Pond	YP	169	45	M	resting	0.88
2007193-026	Dyer Pond	YP	190	65	F	resting	0.89
2007193-027	Dyer Pond	YP	201	82	F	resting	0.86
2007193-028	Dyer Pond	YP	168	50	M	resting	0.77
2007193-029	Dyer Pond	YP	206	81	F	resting	0.82

SAMPLE #	*LAKE*	*SP*	*L*	*W*	*S*	*STG*	*HG*
2007193-030	Dyer Pond	YP	165	42	F	resting	0.58
2007193-031	Dyer Pond	YP	165	48	F	resting	0.80
2007193-032	Dyer Pond	YP	176	52	F	resting	0.65
2007193-033	Dyer Pond	YP	196	65	F	resting	0.82
2007165-004	Haggetts Pond	LMB	313	355	M	developing	0.65
2007165-005	Haggetts Pond	LMB	316	395	F	developing	0.40
2007165-006	Haggetts Pond	LMB	309	400	M	developing	0.48
2007165-007	Haggetts Pond	LMB	455	1362	F	developing	1.20
2007165-008	Haggetts Pond	LMB	465	1652	F	developing	1.90
2007165-009	Haggetts Pond	YP	200	63	F	resting	0.20
2007165-010	Haggetts Pond	YP	162	31	F	resting	0.24
2007165-011	Haggetts Pond	YP	181	57	F	resting	0.31
2007165-012	Haggetts Pond	YP	172	41	F	resting	0.24
2007165-013	Haggetts Pond	YP	173	49	F	resting	0.28
2007165-014	Haggetts Pond	YP	221	105	F	resting	0.20
2007165-015	Haggetts Pond	YP	178	59	F	resting	0.65
2007165-016	Haggetts Pond	YP	243	148	F	resting	0.32
2007165-017	Haggetts Pond	YP	215	112	F	ripe	0.29
2007165-018	Haggetts Pond	YP	229	140	F	ripe	0.27
2007165-019	Haggetts Pond	YP	197	79	F	ripe	0.16
2007165-020	Haggetts Pond	YP	277	295	F	ripe	1.10
2007165-021	Haggetts Pond	YP	234	131	F	ripe	0.33
2007165-022	Haggetts Pond	YP	199	82	F	ripe	0.18
2007165-023	Haggetts Pond	YP	187	60	F	ripe	0.28
2007165-024	Haggetts Pond	YP	204	90	F	ripe	0.22
2007165-025	Haggetts Pond	YP	166	45	M	immature	0.19
2007165-026	Haggetts Pond	YP	156	33	F	immature	0.12
2007165-027	Haggetts Pond	YP	162	41	F	immature	0.28
2007165-028	Haggetts Pond	YP	153	31	F	immature	0.20
2007165-029	Haggetts Pond	YP	178	52	F	immature	0.26
2007165-030	Haggetts Pond	YP	166	42	M	immature	0.33
2007165-031	Haggetts Pond	YP	172	50	F	immature	0.31
2007165-032	Haggetts Pond	YP	163	40	F	immature	0.15
2007165-033	Haggetts Pond	YP	171	42	F	immature	0.27
2007165-034	Haggetts Pond	YP	217	100	F	ripe	0.24
2007165-035	Haggetts Pond	YP	174	54	F	ripe	0.26
2007165-036	Haggetts Pond	YP	161	40	F	immature	0.19
2007165-037	Haggetts Pond	YP	190	62	F	ripe	0.21
2007165-038	Haggetts Pond	YP	340	590	F	ripe	0.99
2007165-039	Haggetts Pond	LMB	246	180	M	developing	0.26
2007165-040	Haggetts Pond	LMB	283	328	M	developing	0.27
2007165-041	Haggetts Pond	LMB	282	255	M	developing	0.51
2007165-042	Haggetts Pond	LMB	244	170	M	developing	0.26
2007165-043	Haggetts Pond	LMB	270	258	M	developing	0.28
2007165-044	Haggetts Pond	LMB	307	386	M	developing	0.46
2007165-045	Haggetts Pond	LMB	249	181	M	developing	0.26
2007165-046	Haggetts Pond	LMB	367	800	F	developing	0.67

SAMPLE #	*LAKE*	*SP*	*L*	*W*	*S*	*STG*	*HG*
2007165-047	Haggetts Pond	LMB	422	1250	M	developing	0.98
2007165-048	Haggetts Pond	LMB	471	1828	F	developing	1.10
2007142-001	Johnsons Pond	YP	156	40	F	immature	0.07
2007142-002	Johnsons Pond	YP	240	160	F	resting	0.16
2007142-003	Johnsons Pond	YP	198	90	M	immature	0.10
2007142-004	Johnsons Pond	YP	255	209	F	resting	0.26
2007142-005	Johnsons Pond	YP	256	189	F	resting	0.24
2007142-006	Johnsons Pond	YP	212	116	M	resting	0.15
2007142-007	Johnsons Pond	YP	234	170	M	resting	0.20
2007142-008	Johnsons Pond	YP	226	141	F	resting	0.33
2007142-009	Johnsons Pond	YP	153	40	F	immature	0.08
2007142-010	Johnsons Pond	YP	215	110	M	immature	0.18
2007142-011	Johnsons Pond	YP	243	180	F	resting	0.34
2007142-012	Johnsons Pond	YP	247	190	F	resting	0.19
2007142-013	Johnsons Pond	YP	212	119	M	resting	0.12
2007142-014	Johnsons Pond	YP	216	125	M	resting	0.30
2007142-015	Johnsons Pond	YP	209	110	M	resting	0.13
2007142-016	Johnsons Pond	YP	213	120	M	resting	0.17
2007142-017	Johnsons Pond	YP	227	131	F	resting	0.15
2007142-018	Johnsons Pond	YP	229	140	F	resting	0.19
2007142-019	Johnsons Pond	YP	149	41	F	immature	0.14
2007142-020	Johnsons Pond	YP	240	175	F	resting	0.19
2007142-021	Johnsons Pond	YP	215	121	M	resting	0.22
2007142-022	Johnsons Pond	YP	203	122	F	resting	0.20
2007142-023	Johnsons Pond	YP	215	119	M	resting	0.21
2007142-024	Johnsons Pond	YP	218	129	F	resting	0.29
2007142-025	Johnsons Pond	YP	140	30	F	immature	0.09
2007142-026	Johnsons Pond	YP	141	35	M	immature	0.09
2007142-027	Johnsons Pond	YP	203	90	F	resting	0.18
2007142-028	Johnsons Pond	YP	143	39	F	immature	0.17
2007142-029	Johnsons Pond	YP	163	52	F	immature	0.12
2007142-030	Johnsons Pond	YP	234	170	F	resting	0.23
2007142-031	Johnsons Pond	LMB	428	998	F	developing	1.00
2007142-032	Johnsons Pond	LMB	195	90	F	immature	0.26
2007142-033	Johnsons Pond	LMB	525	2800	F	resting	1.60
2007142-034	Johnsons Pond	LMB	339	540	F	developing	0.37
2007142-035	Johnsons Pond	LMB	409	880	M	developing	0.85
2007142-036	Johnsons Pond	LMB	435	1439	M	developing	1.10
2007142-037	Johnsons Pond	LMB	416	1159	M	developing	0.75
2007142-038	Johnsons Pond	LMB	457	1850	F	developing	0.69
2007142-039	Johnsons Pond	LMB	280	301	M	developing	0.29
2007142-040	Johnsons Pond	LMB	303	380	M	developing	0.48
2007142-041	Johnsons Pond	LMB	187	70	F	immature	0.33
2007142-042	Johnsons Pond	LMB	462	1550	F	developing	0.77
2007142-043	Johnsons Pond	LMB	175	69	M	immature	0.36
2007142-044	Johnsons Pond	LMB	206		M	immature	0.30
2007142-045	Johnsons Pond	LMB	213	120	M	developing	0.29

SAMPLE #	*LAKE*	*SP*	*L*	*W*	*S*	*STG*	*HG*
2007200-004	Lake Lashaway	YP	180	62	F	resting	0.12
2007200-005	Lake Lashaway	YP	220	99	M	resting	0.08
2007200-006	Lake Lashaway	YP	230	200	F	resting	0.13
2007200-007	Lake Lashaway	YP	133	30	M	resting	0.10
2007200-008	Lake Lashaway	YP	199	105	M	resting	0.24
2007200-009	Lake Lashaway	YP	145	30	F	resting	0.09
2007200-010	Lake Lashaway	YP	221	130	F	resting	0.17
2007200-011	Lake Lashaway	YP	155	35	F	resting	0.09
2007200-012	Lake Lashaway	YP	154	35	F	resting	0.08
2007200-013	Lake Lashaway	YP	134	30	M	resting	0.18
2007200-014	Lake Lashaway	YP	244	175	F	resting	0.25
2007200-015	Lake Lashaway	YP	219	115	F	resting	0.24
2007200-016	Lake Lashaway	YP	210	95	F	resting	0.30
2007200-017	Lake Lashaway	YP	249	160	F	resting	0.36
2007200-018	Lake Lashaway	LMB	487	1680	M	ripe	1.70
2007200-019	Lake Lashaway	LMB	304	410	M	ripe	0.36
2007200-020	Lake Lashaway	LMB	385	809	M	ripe	0.39
2007200-021	Lake Lashaway	LMB	510	1920	F	developing	1.40
2007200-022	Lake Lashaway	LMB	290	370	F	developing	0.30
2007200-023	Lake Lashaway	LMB	240	190	M	ripe	0.27
2007200-024	Lake Lashaway	LMB	351	689	F	developing	0.76
2007200-025	Lake Lashaway	LMB	415	940	M	ripe	0.42
2007200-026	Lake Lashaway	LMB	304	375	F	ripe	0.26
2007200-027	Lake Lashaway	LMB	380	765	M	ripe	0.38
2007200-028	Lake Lashaway	LMB	325	410	M	ripe	0.45
2007200-029	Lake Lashaway	LMB	295	365	M	ripe	0.28
2007200-030	Lake Lashaway	LMB	364	765	M	ripe	0.46
2007200-031	Lake Lashaway	LMB	387	785	M	ripe	0.56
2007200-032	Lake Lashaway	LMB	435	1135	M	ripe	0.59
2007131-001	Lake Nippenicket	YP	269	215	F	resting	0.74
2007131-002	Lake Nippenicket	YP	232	150	F	resting	0.52
2007131-003	Lake Nippenicket	YP	235	175	F		0.50
2007131-004	Lake Nippenicket	YP	215	130	F	resting	0.49
2007131-005	Lake Nippenicket	YP	233	150	F	resting	0.57
2007131-006	Lake Nippenicket	YP	229	150	F	resting	0.48
2007131-007	Lake Nippenicket	YP	237	150	F	resting	0.64
2007131-008	Lake Nippenicket	YP	250	195	F	resting	0.64
2007131-009	Lake Nippenicket	YP	222	140	M	resting	0.52
2007131-010	Lake Nippenicket	YP	223	140	F	resting	0.58
2007131-011	Lake Nippenicket	YP	189	80	M	resting	0.60
2007131-012	Lake Nippenicket	YP	197	90	F	resting	0.51
2007131-013	Lake Nippenicket	YP	203	100	M	resting	0.53
2007131-014	Lake Nippenicket	YP	188	80	F	resting	0.43
2007131-015	Lake Nippenicket	YP	230	150	F	resting	0.68
2007131-016	Lake Nippenicket	YP	192	90	M	resting	0.37
2007131-017	Lake Nippenicket	YP	198	95	F	resting	0.44
2007131-018	Lake Nippenicket	YP	183	65			0.49

SAMPLE #	*LAKE*	*SP*	*L*	*W*	*S*	*STG*	*HG*
2007131-019	Lake Nippenicket	YP	190	90	M	resting	0.36
2007131-020	Lake Nippenicket	YP	229	150	F	resting	0.70
2007131-021	Lake Nippenicket	YP	236	165	F	resting	0.54
2007131-022	Lake Nippenicket	YP	237	150	F	resting	0.58
2007131-023	Lake Nippenicket	YP	181	65	F	resting	0.57
2007131-024	Lake Nippenicket	YP	244	155	F	resting	1.00
2007131-025	Lake Nippenicket	YP	198	85	M	resting	0.61
2007131-026	Lake Nippenicket	YP	175	70	M	resting	0.58
2007131-027	Lake Nippenicket	YP	176	68	F	resting	0.35
2007131-028	Lake Nippenicket	YP	176	65	M	resting	0.35
2007131-029	Lake Nippenicket	YP	165	52	F	resting	0.44
2007131-030	Lake Nippenicket	YP	250	195	F	resting	0.69
2007131-031	Lake Nippenicket	LMB	399	800	F	resting	0.98
2007131-032	Lake Nippenicket	LMB	402	1050	F	developing	0.76
2007131-033	Lake Nippenicket	LMB	495	1820	F	developing	1.60
2007131-034	Lake Nippenicket	LMB	490	1510	F	developing	1.80
2007131-035	Lake Nippenicket	LMB	468	1490	M	developing	1.30
2007131-036	Lake Nippenicket	LMB	437	1212	F	developing	1.40
2007131-037	Lake Nippenicket	LMB	462	1460	M	developing	1.70
2007131-038	Lake Nippenicket	LMB	363	590	M	developing	0.82
2007131-039	Lake Nippenicket	LMB	333	525	F	developing	0.83
2007131-040	Lake Nippenicket	LMB	355	650	M	developing	1.00
2007131-041	Lake Nippenicket	LMB	265	215	M	developing	0.90
2007131-042	Lake Nippenicket	LMB	267	242	F	developing	0.77
2007131-043	Lake Nippenicket	LMB	349	522	M	developing	0.75
2007131-044	Lake Nippenicket	LMB	387	800	F	developing	0.81
2007131-045	Lake Nippenicket	LMB	388	890	M	developing	1.10
2007141-001	Massapoag Dunstable	YP	243	155	F	resting	0.27
2007141-002	Massapoag Dunstable	YP	238	140	M	resting	0.47
2007141-003	Massapoag Dunstable	YP	216	105	M	resting	0.38
2007141-004	Massapoag Dunstable	YP	184	65	M	resting	0.16
2007141-005	Massapoag Dunstable	YP	210	95	M	resting	0.38
2007141-006	Massapoag Dunstable	YP	205	100	F	resting	0.34
2007141-007	Massapoag Dunstable	YP	184	70	F	resting	0.25
2007141-008	Massapoag Dunstable	YP	271	240	F	resting	0.43
2007141-009	Massapoag Dunstable	YP	179	70	M	resting	0.21
2007141-010	Massapoag Dunstable	YP	179	65	M	resting	0.35
2007141-011	Massapoag Dunstable	YP	172	55	F	resting	0.24
2007141-012	Massapoag	YP	174	60	M	resting	0.28

SAMPLE #	*LAKE*	*SP*	*L*	*W*	*S*	*STG*	*HG*
	Dunstable						
2007141-013	Massapoag Dunstable	YP	225	135	M	resting	0.45
2007141-014	Massapoag Dunstable	YP	218	120	F	resting	0.33
2007141-015	Massapoag Dunstable	YP	214	110	M	resting	0.27
2007141-016	Massapoag Dunstable	YP	226	140	F	resting	0.27
2007141-017	Massapoag Dunstable	YP	213	100	M	resting	0.18
2007141-018	Massapoag Dunstable	YP	195	80	M	resting	0.23
2007141-019	Massapoag Dunstable	YP	177	70	F	resting	0.22
2007141-020	Massapoag Dunstable	YP	197	100	M	resting	0.44
2007141-021	Massapoag Dunstable	YP	206	100	M	resting	0.28
2007141-022	Massapoag Dunstable	YP	187	85	F	resting	0.27
2007141-023	Massapoag Dunstable	YP	221	140	M	ripe	0.30
2007141-024	Massapoag Dunstable	YP	211	105	M	resting	0.12
2007141-025	Massapoag Dunstable	YP	192	90	F	resting	0.10
2007141-026	Massapoag Dunstable	YP	183	65	M	ripe	0.13
2007141-027	Massapoag Dunstable	YP	179	70	M	resting	0.11
2007141-028	Massapoag Dunstable	YP	172	60	M	resting	0.18
2007141-029	Massapoag Dunstable	YP	165	60	M	resting	0.12
2007141-030	Massapoag Dunstable	YP	173	70	M	resting	0.29
2007141-031	Massapoag Dunstable	LMB	508	2100	F	developing	1.20
2007141-032	Massapoag Dunstable	LMB	395	705	M	developing	0.89
2007141-033	Massapoag Dunstable	LMB	400	850	F	developing	0.75
2007141-034	Massapoag Dunstable	LMB	363	745	M	developing	0.76
2007141-035	Massapoag Dunstable	LMB	419	1150	F	developing	0.65
2007141-036	Massapoag Dunstable	LMB	323	450	M	developing	0.44
2007141-037	Massapoag Dunstable	LMB	318	445	M	resting	0.66
2007141-038	Massapoag Dunstable	LMB	310	350	F	developing	0.63
2007141-039	Massapoag	LMB	287	325	M	developing	0.60

SAMPLE #	*LAKE*	*SP*	*L*	*W*	*S*	*STG*	*HG*
2007141-040	Dunstable Massapoag Dunstable	LMB	275	275	F	developing	0.52
2007141-041	Massapoag Dunstable	LMB	297	300	F	developing	0.60
2007141-042	Massapoag Dunstable	LMB	289	250	F	developing	0.63
2007141-043	Massapoag Dunstable	LMB	245	185	F	developing	0.57
2007141-044	Massapoag Dunstable	LMB	244	170	M	developing	0.48
2007141-045	Massapoag Dunstable	LMB	193	95	M	developing	0.42
2007143-001	Massapoag Sharon	YP	146	35	M	resting	0.14
2007143-002	Massapoag Sharon	YP	173	55	F	resting	0.14
2007143-003	Massapoag Sharon	YP	153	40	F	resting	0.07
2007143-004	Massapoag Sharon	YP	147	25	F	resting	0.11
2007143-005	Massapoag Sharon	YP	155	40	F	resting	0.35
2007143-006	Massapoag Sharon	YP	154	35	M	resting	0.34
2007143-007	Massapoag Sharon	YP	144	25	F	resting	0.17
2007143-008	Massapoag Sharon	YP	146	30	F	resting	0.19
2007143-009	Massapoag Sharon	YP	174	50	F	resting	0.14
2007143-010	Massapoag Sharon	YP	147	30	F	resting	0.15
2007143-011	Massapoag Sharon	YP	189	70	M	resting	0.22
2007143-012	Massapoag Sharon	YP	155	45	F	resting	0.15
2007143-013	Massapoag Sharon	YP	150	40	F	resting	0.17
2007143-014	Massapoag Sharon	YP	150	35	F	resting	0.11
2007143-015	Massapoag Sharon	YP	149	30	F	resting	0.14
2007143-016	Massapoag Sharon	YP	150	40	M	resting	0.17
2007143-017	Massapoag Sharon	YP	160	50	F	resting	0.30
2007143-018	Massapoag Sharon	YP	166	55	M	resting	0.15
2007143-019	Massapoag Sharon	YP	148	25	F	resting	0.21
2007143-020	Massapoag Sharon	YP	221	115	F	resting	0.27
2007143-021	Massapoag Sharon	YP	143	20	F	resting	0.09
2007143-022	Massapoag Sharon	YP	137	20	M	resting	0.15
2007143-023	Massapoag Sharon	YP	143	30	F	resting	0.09
2007143-024	Massapoag Sharon	YP	147	35	F	resting	0.17
2007143-025	Massapoag Sharon	YP	163	45	F	resting	0.15
2007143-026	Massapoag Sharon	YP	156	40	M	resting	0.12
2007143-027	Massapoag Sharon	YP	150	40	F	resting	0.11
2007143-028	Massapoag Sharon	YP	249	140	F	resting	0.30
2007143-029	Massapoag Sharon	YP	255	160	F	resting	0.29
2007143-030	Massapoag Sharon	YP	132	20	M	resting	0.16
2007143-031	Massapoag Sharon	LMB	425	1100	M	developing	1.00
2007143-032	Massapoag Sharon	LMB	456	1540	F	developing	1.20
2007143-033	Massapoag Sharon	LMB	318	450	M	developing	0.30
2007143-034	Massapoag Sharon	LMB	379	780	M	developing	0.32
2007143-035	Massapoag Sharon	LMB	450	1250	F	developing	0.52

SAMPLE #	*LAKE*	*SP*	*L*	*W*	*S*	*STG*	*HG*
2007143-036	Massapoag Sharon	LMB	410	1100	F	developing	0.44
2007143-037	Massapoag Sharon	LMB	387	820	M	developing	0.58
2007143-038	Massapoag Sharon	LMB	365	710	M	developing	0.40
2007143-039	Massapoag Sharon	LMB	360	670	F	developing	0.53
2007143-040	Massapoag Sharon	LMB	322	430	F	developing	0.34
2007143-041	Massapoag Sharon	LMB	370	610	M	developing	0.54
2007143-042	Massapoag Sharon	LMB	394	850	F	developing	0.42
2007143-043	Massapoag Sharon	LMB	365	635	M	developing	0.42
2007143-044	Massapoag Sharon	LMB	403	950	F	developing	0.66
2007143-045	Massapoag Sharon	LMB	327	410	F	developing	0.46
2007198-004	North Watuppa Pond	YP	185	72	M	resting	0.44
2007198-005	North Watuppa Pond	YP	219	128	M	resting	0.44
2007198-006	North Watuppa Pond	YP	188	72	M	resting	0.45
2007198-007	North Watuppa Pond	YP	258	214	F	resting	0.64
2007198-008	North Watuppa Pond	YP	249	208	F	resting	0.44
2007198-009	North Watuppa Pond	YP	230	176	M	resting	0.45
2007198-010	North Watuppa Pond	YP	182	68	F	resting	0.32
2007198-011	North Watuppa Pond	YP	230	145	F	resting	0.38
2007198-012	North Watuppa Pond	YP	191	80	F	resting	0.44
2007198-013	North Watuppa Pond	YP	209	115	F	resting	0.44
2007198-014	North Watuppa Pond	YP	175	70	F	resting	0.23
2007198-015	North Watuppa Pond	YP	214	122	F	resting	0.41
2007198-016	North Watuppa Pond	YP	175	62	M	resting	0.22
2007198-017	North Watuppa Pond	YP	190	80	F	resting	0.33
2007198-018	North Watuppa Pond	YP	162	50	M	resting	0.22
2007198-019	North Watuppa Pond	YP	169	58	F	resting	0.26
2007198-020	North Watuppa Pond	YP	174	59	F	resting	0.38
2007198-021	North Watuppa Pond	YP	226	136	F	resting	0.50
2007198-022	North Watuppa Pond	YP	182	69	F	resting	0.44
2007198-023	North Watuppa Pond	YP	242	179	F	resting	0.47
2007198-024	North Watuppa Pond	YP	184	72	M	resting	0.39
2007198-025	North Watuppa Pond	YP	204		F	resting	0.49
2007198-026	North Watuppa Pond	YP	197	91	M	resting	0.55
2007198-027	North Watuppa Pond	YP	268	245	F	resting	0.54
2007198-028	North Watuppa Pond	YP	308	322	F	resting	0.64
2007198-029	North Watuppa Pond	YP	310	349	F	resting	0.91
2007198-030	North Watuppa Pond	YP	284	274	F	resting	0.69
2007198-031	North Watuppa Pond	YP	292	338	F	resting	0.73
2007198-032	North Watuppa Pond	YP	262	232	F	resting	0.48
2007198-033	North Watuppa Pond	YP	338	511	F	resting	0.58
2007198-034	North Watuppa Pond	LMB	423	1020	F	Partially Spent	1.20
2007198-035	North Watuppa Pond	LMB	433	1125	M	Partially Spent	1.40
2007198-036	North Watuppa Pond	LMB	403	930	M	Partially Spent	1.00
2007198-037	North Watuppa Pond	LMB	422	1000	M	Partially Spent	1.20

SAMPLE #	*LAKE*	*SP*	*L*	*W*	*S*	*STG*	*HG*
2007198-038	North Watuppa Pond	LMB	335	490	M	Partially Spent	0.65
2007198-039	North Watuppa Pond	LMB	427	1070	F	Partially Spent	0.95
2007198-040	North Watuppa Pond	LMB	371	675	M	ripe	0.86
2007198-041	North Watuppa Pond	LMB	431	955	F	Partially Spent	1.30
2007198-042	North Watuppa Pond	LMB	340	572	F	Partially Spent	0.65
2007198-043	North Watuppa Pond	LMB	386	848	F	ripe	0.70
2007198-044	North Watuppa Pond	LMB	396	882	F	Partially Spent	0.55
2007198-045	North Watuppa Pond	LMB	404	860	M	ripe	1.10
2007198-046	North Watuppa Pond	LMB	285	340	M	Partially Spent	0.60
2007198-047	North Watuppa Pond	LMB	365	720	M	Partially Spent	0.71
2007198-048	North Watuppa Pond	LMB	447	1120	F	Partially Spent	0.99
2007217-004	Pomps Pond	YP	236	172	F	resting	0.17
2007217-005	Pomps Pond	YP	192	90	M	resting	0.24
2007217-006	Pomps Pond	YP	203	108	F	resting	0.12
2007217-007	Pomps Pond	YP	194	88	M	resting	0.13
2007217-008	Pomps Pond	YP	219	115	F	resting	0.10
2007217-009	Pomps Pond	YP	248	200	F	resting	0.15
2007217-010	Pomps Pond	YP	239	170	F	resting	0.26
2007217-011	Pomps Pond	YP	220	128	F	resting	0.27
2007217-012	Pomps Pond	LMB	274	292	F	spent	0.24
2007217-013	Pomps Pond	LMB	154	48	F	immature	0.24
2007217-014	Pomps Pond	LMB	327	530	F	spent	0.53
2007217-015	Pomps Pond	LMB	334	438	F	Partially Spent	0.36
2007217-016	Pomps Pond	LMB	296	350	F	immature	0.18
2007217-017	Pomps Pond	LMB	338	557	M	Partially Spent	0.41
2007217-018	Pomps Pond	LMB	221	140	F	immature	0.26
2007130-001	Rock Pond	YP	205	105			0.20
2007130-002	Rock Pond	YP	180	71			0.09
2007130-003	Rock Pond	YP	174	65			0.12
2007130-004	Rock Pond	YP	173	70			0.12
2007130-005	Rock Pond	YP	219	112			0.19
2007130-006	Rock Pond	YP	186	82			0.13
2007130-007	Rock Pond	YP	222	120			0.39
2007130-008	Rock Pond	YP	227	145			0.23
2007130-009	Rock Pond	YP	204	100			0.19
2007130-010	Rock Pond	YP	249	180			0.48
2007130-011	Rock Pond	YP	225	135			0.21
2007130-012	Rock Pond	YP	183	85			0.19
2007130-013	Rock Pond	YP	68	55			0.17
2007130-014	Rock Pond	YP	221	110			0.24

SAMPLE #	*LAKE*	*SP*	*L*	*W*	*S*	*STG*	*HG*
2007130-015	Rock Pond	YP	235	138			0.34
2007130-016	Rock Pond	YP	222	130			0.29
2007130-017	Rock Pond	YP	239	160			0.65
2007130-018	Rock Pond	YP	231	145			0.25
2007130-019	Rock Pond	YP	211	105			0.17
2007130-020	Rock Pond	YP	250	170			0.39
2007130-021	Rock Pond	YP	215	105			0.20
2007130-022	Rock Pond	YP	168	55			0.12
2007130-023	Rock Pond	YP	204	110			0.46
2007130-024	Rock Pond	YP	181	70			0.12
2007130-025	Rock Pond	YP	185	70			0.17
2007130-026	Rock Pond	YP	172	65			0.14
2007130-027	Rock Pond	YP	221	120			0.46
2007130-028	Rock Pond	YP	204	100			0.12
2007130-029	Rock Pond	YP	237	160			0.28
2007130-030	Rock Pond	YP	256	190			0.56
2007130-031	Rock Pond	LMB	467	1620			1.10
2007130-032	Rock Pond	LMB	475	2110			1.90
2007130-033	Rock Pond	LMB	290	305			0.49
2007130-034	Rock Pond	LMB	357	650			1.00
2007130-035	Rock Pond	LMB	530				2.20
2007130-036	Rock Pond	LMB	242	140			0.48
2007130-037	Rock Pond	LMB	175	65			0.54
2007130-038	Rock Pond	LMB	168	60			0.61
2007130-039	Rock Pond	LMB	509	2100			1.70
2007130-040	Rock Pond	LMB	243	160			0.57
2007130-041	Rock Pond	LMB	450	1210			1.20
2007130-042	Rock Pond	LMB	472	1580			1.50
2007130-043	Rock Pond	LMB	310	365			0.76
2007130-044	Rock Pond	LMB	274	260			0.52
2007130-045	Rock Pond	LMB	314	425			0.65
2007194-004	Slough Pond	YP	180	50			0.47
2007194-005	Slough Pond	YP	281	285	F	resting	0.87
2007194-006	Slough Pond	YP	258	165	F	resting	0.65
2007194-007	Slough Pond	YP	324	392	F	resting	0.99
2007194-008	Slough Pond	YP	239	140	F	resting	0.74
2007194-009	Slough Pond	YP	156	35	F	resting	0.27
2007194-010	Slough Pond	YP	155	30	F	resting	0.44
2007194-011	Slough Pond	YP	208	78	F	resting	0.54
2007194-012	Slough Pond	YP	290	260	F	resting	1.00
2007194-013	Slough Pond	YP	272	215	F	resting	0.93
2007194-014	Slough Pond	YP	267	192	F	resting	0.75
2007194-015	Slough Pond	YP	322	322	M	resting	1.10
2007194-016	Slough Pond	YP	254	165	F	resting	0.86
2007194-017	Slough Pond	YP	315	350	F	resting	1.00
2007194-018	Slough Pond	YP	300	300	F	resting	1.10
2007194-019	Slough Pond	YP	294	255	F	resting	1.10

SAMPLE #	*LAKE*	*SP*	*L*	*W*	*S*	*STG*	*HG*
2007194-020	Slough Pond	YP	182	62	F	resting	0.59
2007194-021	Slough Pond	YP	211	85	F	resting	0.73
2007194-022	Slough Pond	YP	177	48	F	resting	0.46
2007194-023	Slough Pond	YP	204	80	F	resting	0.43
2007194-024	Slough Pond	YP	183	55	F	resting	0.65
2007194-025	Slough Pond	YP	176	50	F	resting	0.48
2007194-026	Slough Pond	YP	151	30	M	resting	0.32
2007194-027	Slough Pond	YP	195	70	F	resting	0.39
2007194-028	Slough Pond	YP	177	45	F	resting	0.48
2007194-029	Slough Pond	YP	162	40	F	resting	0.36
2007194-030	Slough Pond	YP	175	50	F	resting	0.53
2007194-031	Slough Pond	YP	157	35	M	resting	0.54
2007194-032	Slough Pond	YP	183	50	F	resting	0.56
2007194-033	Slough Pond	YP	162	40	F	resting	0.33
2007194-034	Slough Pond	LMB	460	1700	M	developing	1.30
2007194-035	Slough Pond	LMB	425	1045	M	developing	0.98
2007194-036	Slough Pond	LMB	475	1650	F	developing	1.00
2007194-037	Slough Pond	LMB	468	1660	M	developing	1.10
2007194-038	Slough Pond	LMB	480	1665	M	developing	1.30
2007194-039	Slough Pond	LMB	463	1565	M	developing	1.10
2007194-040	Slough Pond	LMB	470	1623	M	developing	1.40
2007194-041	Slough Pond	LMB	472	1680	M	developing	1.30
2007194-042	Slough Pond	LMB	448	1330	M	developing	1.10
2007194-043	Slough Pond	LMB	465	1525	M	developing	1.20
2007194-044	Slough Pond	LMB	459	1660	F	developing	1.10
2007194-045	Slough Pond	LMB	466	1515	M	developing	1.10
2007159-001	Upper Naukeag	LMB	252	180	F	developing	0.61
2007159-002	Upper Naukeag	LMB	247	200	M	developing	0.44
2007159-003	Upper Naukeag	LMB	245	150	M	immature	0.63
2007159-004	Upper Naukeag	LMB	394	800	M	developing	0.96
2007159-005	Upper Naukeag	LMB	378	795	F	developing	0.98
2007159-006	Upper Naukeag	LMB	445	1300	F	developing	1.40
2007159-007	Upper Naukeag	LMB	420	1250	F	developing	1.10
2007159-008	Upper Naukeag	LMB	433	1350	F	developing	0.96
2007159-009	Upper Naukeag	LMB	454	1500	M	developing	1.80
2007159-010	Upper Naukeag	YP	193	70	M	developing	0.52
2007159-011	Upper Naukeag	YP	187	65	F	developing	0.79
2007159-012	Upper Naukeag	YP	183	60	F	developing	0.40
2007159-013	Upper Naukeag	YP	192	60	F	developing	0.64
2007159-014	Upper Naukeag	YP	162	50	F	developing	0.46
2007159-015	Upper Naukeag	YP	179	65	F	developing	0.36
2007159-016	Upper Naukeag	YP	178	65	F	developing	0.53
2007159-017	Upper Naukeag	YP	170	40	M	developing	0.64
2007159-018	Upper Naukeag	YP	170	45	F	developing	0.60
2007159-019	Upper Naukeag	YP	169	45	F	developing	0.32
2007159-020	Upper Naukeag	YP	178	55	F	developing	0.35
2007159-021	Upper Naukeag	YP	179	60	M	developing	0.33

SAMPLE #	*LAKE*	*SP*	*L*	*W*	*S*	*STG*	*HG*
2007159-022	Upper Naukeag	YP	177	55	F	developing	0.60
2007159-023	Upper Naukeag	YP	179	50	F	developing	0.79
2007159-024	Upper Naukeag	YP	168	40	F	developing	0.57
2007159-025	Upper Naukeag	YP	187	60	M	developing	0.53
2007159-026	Upper Naukeag	YP	230	135	F	developing	0.55
2007159-027	Upper Naukeag	YP	220	105	F	developing	0.54
2007159-028	Upper Naukeag	YP	178	50	F	developing	0.49
2007159-029	Upper Naukeag	YP	243	145	F	developing	0.56
2007159-030	Upper Naukeag	YP	202	85	F	developing	0.56
2007159-031	Upper Naukeag	YP	208	100	F	developing	0.43
2007159-032	Upper Naukeag	YP	170	45	F	developing	0.73
2007159-033	Upper Naukeag	YP	178	60	F	developing	0.57
2007159-034	Upper Naukeag	YP	168	45	F	developing	0.37
2007159-035	Upper Naukeag	YP	188	70	F	developing	0.35
2007159-036	Upper Naukeag	YP	193	70	F	developing	0.74
2007159-037	Upper Naukeag	YP	209	100	M	developing	0.78
2007159-038	Upper Naukeag	YP	177	45	F	developing	0.66
2007159-039	Upper Naukeag	YP	213	105	F	developing	0.44
2007159-043	Upper Naukeag	LMB	325	400	F	developing	0.74
2007159-044	Upper Naukeag	LMB	365	730	M	developing	1.00
2007159-045	Upper Naukeag	LMB	420	1015	F	developing	1.10
2007158-001	Upper Reservoir	YP	165	50			0.43
2007158-002	Upper Reservoir	YP	179	65			0.21
2007158-003	Upper Reservoir	YP	191	80			0.37
2007158-004	Upper Reservoir	YP	220	115			0.46
2007158-005	Upper Reservoir	YP	164	50			0.29
2007158-006	Upper Reservoir	YP	194	90			0.22
2007158-007	Upper Reservoir	YP	218	125			0.58
2007158-008	Upper Reservoir	YP	171	60			0.33
2007158-009	Upper Reservoir	YP	177	65			0.32
2007158-010	Upper Reservoir	YP	173	60			0.38
2007158-011	Upper Reservoir	YP	183	70	M	ripe	1.70
2007158-012	Upper Reservoir	YP	173	60			0.27
2007158-013	Upper Reservoir	YP	179	70			0.19
2007158-014	Upper Reservoir	YP	178	65			0.28
2007158-015	Upper Reservoir	LMB	447	1320			1.40
2007158-016	Upper Reservoir	LMB	441	1290			1.30
2007199-004	Wickaboag Pond	YP	195	70	F	resting	0.11
2007199-005	Wickaboag Pond	YP	179	63	F	resting	0.08
2007199-006	Wickaboag Pond	YP	176	60	M	resting	0.10
2007199-007	Wickaboag Pond	YP	190	85	F	resting	0.08
2007199-008	Wickaboag Pond	YP	210	120	F	resting	0.08
2007199-009	Wickaboag Pond	YP	230	123	F	resting	0.12
2007199-010	Wickaboag Pond	YP	176	63	M	resting	0.11
2007199-011	Wickaboag Pond	YP					0.12
2007199-012	Wickaboag Pond	YP					0.08
2007199-013	Wickaboag Pond	YP	243	135	M	resting	0.15

SAMPLE #	*LAKE*	*SP*	*L*	*W*	*S*	*STG*	*HG*
2007199-014	Wickaboag Pond	YP	177	58	M	resting	0.15
2007199-015	Wickaboag Pond	YP	185	70	M	resting	0.13
2007199-016	Wickaboag Pond	YP	218	130	F	resting	0.08
2007199-017	Wickaboag Pond	YP	193	75	M	resting	0.15
2007199-018	Wickaboag Pond	YP	225	120	M	resting	0.66
2007199-019	Wickaboag Pond	YP	200	75	F	resting	0.16
2007199-020	Wickaboag Pond	YP	202	95	M	resting	0.11
2007199-021	Wickaboag Pond	YP	208	90	M	resting	0.13
2007199-022	Wickaboag Pond	YP	230	145	F	resting	0.21
2007199-023	Wickaboag Pond	YP	190	73	M	resting	0.08
2007199-024	Wickaboag Pond	YP	217	120	M	resting	0.20
2007199-025	Wickaboag Pond	YP	170	60	M	resting	0.07
2007199-026	Wickaboag Pond	YP	230	120	M	resting	0.13
2007199-027	Wickaboag Pond	YP	190	65	F	resting	0.12
2007199-028	Wickaboag Pond	YP	213	125	F	resting	0.09
2007199-029	Wickaboag Pond	YP	209	90	F	resting	0.15
2007199-030	Wickaboag Pond	YP	175	55	F	resting	0.11
2007199-031	Wickaboag Pond	YP	187	78	M	resting	0.12
2007199-032	Wickaboag Pond	YP	235	140	F	resting	0.14
2007199-033	Wickaboag Pond	YP	219	110	F	resting	0.09
2007199-034	Wickaboag Pond	LMB	324	530	F	developing	0.23
2007199-035	Wickaboag Pond	LMB	522	2250	F	developing	0.98
2007199-036	Wickaboag Pond	LMB	350	600	M	developing	0.34
2007199-037	Wickaboag Pond	LMB	399	1050	F	developing	0.34
2007199-038	Wickaboag Pond	LMB	292	300	F	developing	0.33
2007199-039	Wickaboag Pond	LMB	432	1000	M	developing	0.25
2007199-040	Wickaboag Pond	LMB	456	1390	M	developing	0.43
2007199-041	Wickaboag Pond	LMB	383	770	M	developing	0.16
2007199-042	Wickaboag Pond	LMB	278	260	M	developing	0.13
2007199-043	Wickaboag Pond	LMB	458	1160	M	developing	0.39
2007199-044	Wickaboag Pond	LMB	324	445	M	developing	0.19
2007199-045	Wickaboag Pond	LMB	324	530	M	developing	0.31
2007199-046	Wickaboag Pond	LMB	327	515	M	developing	0.75
2007199-047	Wickaboag Pond	LMB	260	225	M	developing	0.26
2007199-048	Wickaboag Pond	LMB	363	655	F	developing	0.32