

Appendix E

***Wing Lake and Lake Rose
Biological and Fisheries Data***

Wing Lake

SAMPLE: 0-2 METERS

STANDARD INVERTED MICROSCOPE ANALYSIS METHOD

DIVISION	TAXON	6/16/2008 units/mL	7/17/2008 units/mL	8/5/2008 units/mL	8/19/2008 units/mL	9/5/2008 units/mL
CHLOROPHYTA (GREEN ALGAE)	<i>Ankistrodesmus Brauni</i>	57	0	0	0	0
	<i>Ankistrodesmus falcatus</i>	574	57	2,987	1,206	2,412
	<i>Chlamydomonas globosa</i>	1,608	2,183	4,078	2,699	4,250
	<i>Closterium sp.</i>	57	0	0	0	0
	<i>Dictyosphaerium Ehrenbergianum</i>	57	0	0	0	0
	<i>Kirchneriella sp.</i>	0	0	0	0	57
	<i>Lagerheimia sp.</i>	57	0	0	0	0
	<i>Oocystis parva</i>	57	0	0	57	57
	<i>Pandorina morum</i>	115	0	57	115	230
	<i>Pediastrum Boryanum</i>	0	0	57	57	0
	<i>Pediastrum tetras</i>	0	0	0	57	0
	<i>Quadrigula lacustris</i>	172	0	0	0	0
	<i>Scenedesmus dimorphus</i>	0	0	115	0	172
	<i>Scenedesmus quadricauda</i>	57	57	402	172	230
	<i>Scenedesmus sp.</i>	57	115	804	287	345
	<i>Schroederia Judayi</i>	57	0	0	0	0
	<i>Selenastrum minutum</i>	919	0	57	459	0
	<i>Selenastrum sp.</i>	172	287	862	574	0
	<i>Sphaerocystis schroeteri</i>	0	57	57	172	345
	<i>Tetraedron minimum</i>	115	0	0	57	0
	<i>Tetraedron sp.</i>	0	115	230	0	57
<i>Treubaria setigerum</i>	0	57	57	0	0	
Unidentified Green Algae	0	0	172	0	0	
CHLOROPHYTA TOTAL		4,135	2,929	9,936	5,916	8,156
CHRYSOPHYTA (YELLOW-BROWN ALGAE)	<i>Dinobryon sociale</i>	0	747	230	1,838	230
	CHRYSOPHYTA TOTAL		0	747	230	1,838
CYANOPHYTA (BLUE-GREEN ALGAE)	<i>Aphanizomenon flos-aquae</i>	57	57	57	172	57
	<i>Coelosphaerium Naegelianum</i>	0	0	0	115	0
	<i>Lyngbya sp.</i>	0	0	57	0	0
	<i>Merismopedia tenuissima</i>	57	230	632	1,436	862
	<i>Merismopedia sp.</i>	0	0	1,723	115	0
	<i>Microcystis aeruginosa</i>	115	57	57	115	0
	<i>Microcystis incerta</i>	1,608	2,125	3,733	2,297	3,561
	<i>Oscillatoria Agardhii</i>	0	0	0	57	0
	<i>Oscillatoria limnetica</i>	172	57	57	976	115
	<i>Phormidium mucicola</i>	574	862	459	0	115
	CYANOPHYTA TOTAL		2,585	3,389	6,777	5,284
BACILLARIOPHYTA (DIATOMS)	<i>Melosira granulata</i>	0	0	57	0	0
	<i>Navicula sp.</i>	0	57	0	0	0
	<i>Stephanodiscus Hantzschii</i>	172	345	632	230	230
	<i>Synedra ulna</i>	115	115	57	747	459
BACILLARIOPHYTA TOTAL		287	517	747	976	689
CRYPTOPHYTA (CRYPTOMONADS)	<i>Cryptomonas erosa</i>	2,297	919	747	0	3,676
	CRYPTOPHYTA TOTAL		2,297	919	747	0
EUGLENOPHYTA (EUGLENOIDS)	<i>Euglena sp.</i>	0	574	402	345	0
	<i>Phacus sp.</i>	0	115	115	57	0
	EUGLENOPHYTA TOTAL		0	689	517	402
PYRRHOPHYTA (DINOFLLAGELLATES)	<i>Ceratium hirundinella</i>	345	0	115	0	57
	<i>Peridinium cinctum</i>	0	172	115	230	0
	PYRRHOPHYTA TOTAL		345	172	230	230
TOTALS		9,649	9,362	19,184	14,646	17,518

WING LAKE

ZOOPLANKTON ANALYSIS

DIVISION	TAXON	Vertical Tow (m)	6/16/2008	7/17/2008	8/5/2008	8/19/2008	9/5/2008
			#/m2	#/m2	#/m2	#/m2	#/m2
CLADOCERA	<i>Bosmina longirostris</i>		0	17,861	5,128	0	0
	CLADOCERA TOTAL		0	17,861	5,128	0	0
COPEPODA	<i>Cyclops sp.</i>		0	8,930	0	0	0
	<i>Diaptomus sp.</i>		10,257	0	0	0	0
	Nauplii		82,053	0	25,642	51,283	0
	Copepodid		0	17,861	0	0	0
COPEPODA TOTAL		92,310	26,791	25,642	51,283	0	
ROTIFERA	<i>Asplanchna priodonta</i>		0	8,930	5,128	461,549	37,844
	<i>Brachionus havanaensis</i>		0	0	82,053	676,939	151,374
	<i>Filinia longiseta</i>		0	214,329	20,513	348,726	113,531
	<i>Lecane sp.</i>		10,257	0	0	20,513	0
	<i>Keratella cochlearis</i>		851,302	1,446,718	579,501	0	1,598,888
	<i>Keratella quadrata</i>		0	0	0	2,420,570	0
	<i>Kellicottia bostoniensis</i>		0	0	0	51,283	179,757
	<i>Polyarthra vulgaris</i>		30,770	205,398	61,540	235,903	198,678
	<i>Trichocerca cylindrica</i>		0	214,329	41,027	20,513	75,687
ROTIFERA TOTAL		892,329	2,089,704	789,762	4,235,997	2,355,758	
TOTALS		984,639	2,134,356	820,532	4,287,280	2,355,758	

Lake Rose

SAMPLE: 0-2 METERS

STANDARD INVERTED MICROSCOPE ANALYSIS METHOD

DIVISION	TAXON	6/16/2008 units/mL	7/17/2008 units/mL	8/5/2008 units/mL	8/19/2008 units/mL	9/4/2008 units/mL
CHLOROPHYTA (GREEN ALGAE)	<i>Ankistrodesmus falcatus</i>	172	517	570	0	1,551
	<i>Chlamydomonas globosa</i>	10,913	0	7,168	5,062	6,720
	<i>Closterium sp.</i>	0	0	0	101	0
	<i>Oocystis parva</i>	57	115	81	0	57
	<i>Micractinium pusillum</i>	0	0	81	0	57
	<i>Pediastrum Boryanum</i>	0	0	0	0	57
	<i>Scenedesmus dimorphus</i>	0	57	0	0	115
	<i>Scenedesmus quadricauda</i>	0	57	0	0	0
	<i>Scenedesmus sp.</i>	0	0	0	202	115
	<i>Schroederia sp.</i>	0	57	81	0	0
	<i>Selenastrum minutum</i>	57	115	163	405	287
	<i>Selenastrum sp.</i>	345	574	1,548	0	976
	<i>Sphaerocystis Schroeteri</i>	0	0	81	101	57
	<i>Tetraedron minimum</i>	0	57	0	0	57
	<i>Tetraedron muticum</i>	0	230	0	202	0
	<i>Treubaria setigerum</i>	0	0	0	0	57
CHLOROPHYTA TOTAL		11,545	1,781	9,775	6,075	10,109
CHRYSOPHYTA (YELLOW-BROWN ALGAE)	<i>Dinobryon sociale</i>	0	0	0	0	57
	CHRYSOPHYTA TOTAL		0	0	0	0
CYANOPHYTA (BLUE-GREEN ALGAE)	<i>Anabaena affinis</i>	57	115	81	0	0
	<i>Anabaena flos-aquae</i>	345	0	0	0	0
	<i>Aphanizomenon flos-aquae</i>	5,801	1,666	9,041	17,616	11,889
	<i>Cylindrospermopsis raciborskii</i>	0	0	0	1,114	172
	<i>Lyngbya limnetica</i>	0	632	5,376	0	172
	<i>Merismopedia tenuissima</i>	57	57	1,873	911	287
	<i>Merismopedia sp.</i>	0	0	0	0	287
	<i>Microcystis aeruginosa</i>	57	287	489	202	747
	<i>Microcystis incerta</i>	5,399	2,585	6,028	1,519	1,551
	<i>Oscillatoria limnetica</i>	57	574	5,620	607	1,206
	<i>Phormidium mucicola</i>	3,963	1,091	733	0	574
	CYANOPHYTA TOTAL		15,737	7,007	29,242	21,970
BACILLARIOPHYTA (DIATOMS)	<i>Navicula sp.</i>	0	0	81	0	0
	<i>Synedra ulna</i>	0	172	0	0	57
BACILLARIOPHYTA TOTAL		0	172	81	0	57
CRYPTOPHYTA (CRYPTOMONADS)	<i>Cryptomonas erosa</i>	574	574	1,303	28,247	2,183
CRYPTOPHYTA TOTAL		574	574	1,303	28,247	2,183
EUGLENOPHYTA (EUGLENOIDS)	<i>Euglena sp.</i>	0	4,678	405	345	0
	<i>Phacus sp.</i>	0	4,678	101	0	0
EUGLENOPHYTA TOTAL		0	9,357	506	345	0
PYRRHOPHYTA (DINOFLAGELLATES)	<i>Ceratium hirundinella</i>	0	230	0	202	0
	<i>Peridinium cinctum</i>	0	0	0	101	57
PYRRHOPHYTA TOTAL		0	230	0	304	57
TOTALS		27,856	19,121	40,908	56,939	29,350

LAKE ROSE

ZOOPLANKTON ANALYSIS

DIVISION	TAXON	Vertical Tow (m)	6/17/2008	7/17/2008	8/5/2008	8/19/2008	9/4/2008
			#/m2	#/m2	#/m2	#/m2	#/m2
CLADOCERA	<i>Ceriodaphnia sp.</i>		0	0	0	9,284	0
	CLADOCERA TOTAL		0	0	0	9,284	0
COPEPODA	<i>Cyclops sp.</i>		0	19,275	0	27,852	19,983
	<i>Diaptomus sp.</i>		19,099	0	0	0	0
	Nauplii		19,099	0	32,892	18,568	49,957
	Copepodid		0	9,638	0	0	0
COPEPODA TOTAL		38,197	28,913	32,892	46,420	69,940	
ROTIFERA	<i>Asplanchna priodonta</i>		0	0	0	18,568	19,983
	<i>Brachionus havanaensis</i>		0	0	32,892	37,136	9,991
	<i>Filinia longiseta</i>		0	154,203	65,784	74,272	69,940
	<i>Lecane sp.</i>		28,648	106,015	21,928	0	0
	<i>Keratella cochlearis</i>		639,803	915,583	230,244	232,101	769,337
	<i>Kellicottia bostoniensis</i>		47,746	106,015	10,964	0	0
	<i>Polyarthra vulgaris</i>		76,394	57,826	109,640	74,272	489,578
	<i>Trichocerca cylindrica</i>		0	0	0	74,272	19,983
	<i>Trichocerca multicrinis</i>		0	19,275	43,856	9,284	19,983
	Immature Rotifera		678,000	221,667	43,856	0	129,888
ROTIFERA TOTAL		1,470,592	1,580,585	559,164	519,906	1,528,683	
TOTALS		1,508,789	1,609,499	592,056	575,610	1,598,623	