Appendix
VI-1

Mendums Pond Raw Inverted Microscope Phytoplankton Counts

Date	Dominant Phytoplankton	Density	GROUP DENSITIES							
			Blue-Greens	Greens	Desmids	Euglen-oids	Diatoms	Crypto-monads	Dinoflag-ellates	Chryso-phytes
07/08/87	TINY FALGELLATES	531.4								
	MERSIMOPEDIA	362.9	362.9	570.2	0.0	0.0	38.9	99.4	0.0	17.3
	TOTAL DENSITY	1088.6								
09/11/87	MERISMOPEDIA	946.1								
	TINY FLAGELLATES	406.1	946.1	470.9	0.0	0.0	8.6	69.1	0.0	8.6
	TOTAL DENSITY	1503.4								
11/03/87	TINY FLAGELLATES	285.1								
	SCHROEDERIA	51.8								
	CRYPTOMONAS	43.2	8.6	341.3	0.0	0.0	25.9	43.2	0.0	25.9
	TOTAL DENSITY	445.0								
04/19/88	TINY FLAGELLATES	1231.2								
	CRYPTOMONAS	86.4	0.0	1231.2	0.0	0.0	8.6	86.4	0.0	13.0
	TOTAL DENSITY	1339.2								
05/04/88	TINY FLAGELLATES	812.2								
	CRYPTOMONAS	17.3								
	TRACHLOMONAS	13.0	0.0	812.2	0.0	13.0	13.0	17.3	0.0	0.0
	TOTAL DENSITY	855.4								
06/01/88	CYMBELLA	127.4								
	TINY FLAGELLATES	54.0								
	CRYPTOMONAS	51.8	0.0	62.6	0.0	0.0	127.4	56.2	0.0	17.3
	TOTAL DENSITY	263.5								
06/15/88	TINY FLAGELLATES	114.5								
	CYMBELLA	56.2								
	MALLAMONAS	36.7	0.0	155.0	0.0	2.2	56.2	32.4	0.0	36.7
	TOTAL DENSITY	283.0								

Mendums Pond Raw Inverted Microscope Phytoplankton Counts

Date	Dominant Phytoplankton	Density	GROUP DENSITIES							
			Blue-Greens	Greens	Desmids	Euglenoids	Diatoms	Cryptomonads	Dinoflagellates	Chrysophytes
07/06/88	TINY FLAGELLATES	321.8								
	CRYPTOMONAS	112.3								
	MERISMOPEDIA	90.7	90.7	378.0	0.0	4.3	23.8	116.6	0.0	56.2
	TOTAL DENSITY	669.6								
08/04/88	MERISMOPEDIA	743.0								
	TINY FLAGELLATES	337.0								
	CRYPTOMONAS	116.6	743.0	362.9	0.0	0.0	8.6	121.0	0.0	64.8
	TOTAL DENSITY	1300.3								
09/22/88	MERISMOPEDIA	492.5								
	TINY FLAGELLATES	254.9	496.8	285.1	0.0	0.0	13.0	69.1	0.0	0.0
	TOTAL DENSITY	864.0								
10/03/88	MERISMOPEDIA	254.9								
	TINY FLAGELLATES	151.2								
	CRYPTOMONAS	82.1	272.2	194.4	0.0	4.3	8.6	82.1	4.3	13.0
	TOTAL DENSITY	578.9								
04/28/89	TINY FLAGELLATES	8341.9	0.0	8557.9	0.0	8.6	8.6	17.3	4.3	13.0
	TOTAL DENSITY	8609.8								
11/09/89	TINY FLAGELLATES	1015.2								
	CHLAMYDOMONAS	203.0	0.0	1235.5	8.6	38.9	17.3	0.0	0.0	73.4
	TOTAL DENSITY	1373.8								
05/16/90	ASTERIONELLA	807.8								
	TINY FLAGELLATES	311.0	8.6	384.5	0.0	0.0	846.7	159.8	0.0	125.3
	TOTAL DENSITY	1525.0								

Mendums Pond Raw Inverted Microscope Phytoplankton Counts

Date	Dominant Phytoplankton	Density	GROUP DENSITIES							
			Blue-Greens	Greens	Desmids	Euglen-oids	Diatoms	Crypto-monads	Dinoflag-ellates	Chryso-phytes
05/29/90	TINY FLAGELLATES	8341.9	0.0	8557.9	0.0	8.6	8.6	17.3	4.3	13.0
	TOTAL DENSITY	8609.8								

Mendums Pond Raw Biology Data

Date	Chl-a	Secchi	Dominant Phytoplankton	%	Dominant Zooplankton	Density
07/08/87	4.54	2.8	GLOEOCYSTIS	85	KELLICOTTIA CONOCHILUS POLYARTHRA	13.1 8.7 8.7
08/06/87	3.15	4.6	KIRCHNERIELLA ANACYSTIS	58 16	SPARSE	
09/11/87	2.93	3.8	SPHAEROCYSTIS KIRCHNERIELLA TABELLARIA	59 19 13	CALANOID COPEPOD NAUPLIUS LARVA	21.8 8.7
11/03/87	1.36	4.5	GLOEOCYSTIS TABELLARIA	54 20	DAPHNIA KELLICOTTIA KERATELLA	7.6 5.4 5.4
12/03/87	1.28	3.5	ASTERIONELLA	67	CALANOID COPEPOD KELLICOTTIA	19.6 8.7
01/22/88	-99.00	-99.0	SPARSE		SPARSE	
02/17/88	-99.00	-99.0	SPARSE		KERATELLA KELLICOTTIA NAUPLIUS LARVA	8.5 7.9 4.6
02/29/88	-99.00	-99.0	VERY SPARSE		KERATELLA NAUPLIUS LARVA CALANOID COPEPOD	8.7 4.4 4.6
04/19/88	3.31	3.0	UROGLENOPSIS	94	NAUPLIUS LARVA KELLICOTTIA KERATELLA	19.6 17.4 8.7

Mendums Pond Raw Biology Data

Date	Chl-a	Secchi	Dominant Phytoplankton	%	Dominant Zooplankton	Density
05/04/88	2.97	3.5	UROGLENOPSIS	85	KELLICOTTIA	54.5
					NAUPLIUS LARVA	17.4
					KERATELLA	13.1
06/01/88	1.57	2.9	MELOSIRA	36	CONOCHILUS	92.8
			DINOBRYON	30	KELLICOTTIA	54.6
					GASTROPUS	54.6
06/15/88	3.02	-99.9	GLOEOCYSTIS	76	KELLICOTTIA	43.7
					NAUPLIUS LARVA	19.1
					CONOCHILUS	16.4
07/06/88	3.92	4.0			KELLICOTTIA	14.5
					CILIATE SPP	12.7
					NAUPLIUS LARVA	5.0
08/04/88	3.31	4.0	SPHAEROCYSTIS	65	KERATELLA	17.4
					CALANOID COPEPOD	15.3
09/08/88	3.00	3.6	KIRCHNERIELLA	87	KERATELLA	13.1
					KELLICOTTIA	8.7
					NAUPLIUS LARVA	8.7
09/22/88	2.10	-99.0	KIRCHNERIELLA	93	NAUPLIUS LARVA	8.7
					KELLICOTTIA	6.5
10/03/88	2.10	4.5	KIRCHNERIELLA	88	CALANOID COPEPOD	19.6
					NAUPLIUS LARVA	10.9
					DAPHNIA	10.9
10/31/88	1.54	4.1	SYNEDRA	35	CALANOID COPEPOD	10.9
			BOTRYOCOCCUS	29	NAUPLIUS LARVA	6.5
					DAPHNIA	6.5

Mendums Pond Raw Biology Data

Date	Chl-a	Secchi	Dominant Phytoplankton	%	Dominant Zooplankton	Density
11/16/88	1.70	3.6	MALLOMONAS ASTERIONELLA	42 37	SOL. UNSTALKED PERITRICH KELLICOTTIA	93.7 15.3
01/17/89	-99.00	-99.0	VERY SPARSE NO DOMINANT		CONOCHILUS	13.1
02/14/89	-99.00	-99.0	UROGLENOPSIS SYNURA	97 3	BIG GREEN CILLATE ASPLANCHNA KELLICOTTIA	22.0 17.0 17.0
03/23/89	-99.00	-99.0	UROGLENOPSIS	94	ROTIFER SPP KELLICOTTIA	20.0 9.1
04/28/89	9.67	2.3	DINOBRYON UROGLENOPSIS	74 18	NAUPLIUS LARVA KELLICOTTIA CHONOCHILOIDES	37.1 17.4 8.7
06/22/89	4.93	3.4	VERY SPARSE		CONOCHILUS DAPHNIA	24.0 15.3
11/09/89	-99.00	2.9	ASTERIONELLA	95	CALANOID COPEPOD POLYARTHRA	28.0 17.0
02/14/90	-99.00	-99.0	ASTERIONELLA	100	ROTIFER SPP KERATELLA	34.9 10.9
05/16/90	8.22	2.6	ASTERIONELLA	99	KELLICOTTIA	104.6