Appendix D. Status of phytoplankton bioindicators at all stations and for all seasons, for the period of 1999 through 2001. Parameter abbreviations are as follows: TOTABUND=Total abundance, TOTBMASS=Total biomass, RATIO=Biomass to abundance ratio, MARGALEF=Margalef diversity index, DIATOM=Diatom abundance, DIATOM_C=Diatom biomass, DINOFLG=Dinoflagellate abundance, DINOFL_C=Dinflagellate biomass, CYANO=Cyanobacteria abundance, CYANO_C=Cyanobacteria biomass, CHLORO=Chlorophyte abundance, CHLORO_C=Chlorophyte biomass, PROCAR_C=Procaryote to eucaryote biomass ratio, PICO=Picoplankton abundance, PICO_C=Picoplankton biomass. Layer abbreviations are: AP=Above Pycnocline, BP=Below Pycnocline. See the method section of the report for definitions of Seasons.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
TF5.5	TOTBMASS	AP	Annual	1936400000	61.3	GOOD
TF5.5	TOTBMASS	BP	Annual	3103700000	69.5	GOOD
TF5.5	TOTBMASS	AP	Fall	2775900000	83.7	GOOD
TF5.5	TOTBMASS	BP	Fall	4953600000	81.1	GOOD
TF5.5	TOTBMASS	AP	SAV1	1819400000	57.5	FAIR
TF5.5	TOTBMASS	BP	SAV1	2419900000	63.5	GOOD
TF5.5	TOTBMASS	AP	SAV2	3389100000	64.7	GOOD
TF5.5	TOTBMASS	BP	SAV2	3005400000	62.5	GOOD
TF5.5	TOTBMASS	AP	Spring1	1290600000	45.9	FAIR
TF5.5	TOTBMASS	BP	Spring1	1035400000	40.9	POOR
TF5.5	TOTBMASS	AP	Spring2	1970600000	50.8	FAIR
TF5.5	TOTBMASS	BP	Spring2	2352400000	54.4	FAIR
TF5.5	TOTBMASS	AP	Summer1	4637400000	68.8	GOOD
TF5.5	TOTBMASS	BP	Summer1	5210500000	69.8	GOOD
TF5.5	TOTBMASS	AP	Summer2	4069300000	66.4	GOOD
TF5.5	TOTBMASS	BP	Summer2	3769600000	64.7	GOOD
TF5.5	TOTBMASS	AP	Winter	777530000	49.0	FAIR
TF5.5	TOTBMASS	BP	Winter	1791000000	73.6	GOOD
TF5.5	RATIO	AP	Annual	59.98	31.4	POOR
TF5.5	RATIO	BP	Annual	71.57	37.2	POOR
TF5.5	RATIO	AP	Fall	56.55	37.4	POOR
TF5.5	RATIO	BP	Fall	54.24	36.2	POOR
TF5.5	RATIO	AP	SAV1	68.50	32.7	POOR
TF5.5	RATIO	BP	SAV1	64.96	32.0	POOR
TF5.5	RATIO	AP	SAV2	44.89	26.2	POOR
TF5.5	RATIO	BP	SAV2	50.73	28.4	POOR
TF5.5	RATIO	AP	Spring1	70.83	27.3	POOR
TF5.5	RATIO	BP	Spring1	67.05	24.0	POOR
TF5.5	RATIO	AP	Spring2	66.79	28.7	POOR
TF5.5	RATIO	BP	Spring2	67.05	26.0	POOR
TF5.5	RATIO	AP	Summer1	41.06	27.7	POOR
TF5.5	RATIO	BP	Summer1	50.89	32.1	POOR
TF5.5	RATIO	AP	Summer2	39.55	30.7	POOR
TF5.5	RATIO	BP	Summer2	37.09	28.8	POOR
TF5.5	RATIO	AP	Winter	70.45	25.7	POOR
TF5.5	RATIO	BP	Winter	98.17	53.2	FAIR
TF5.5	MARGALEF	AP	Annual	2.71	87.6	POOR
TF5.5	MARGALEF	BP	Annual	2.38	71.8	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
TF5.5	MARGALEF	AP	Fall	2.47	89.0	POOR
TF5.5	MARGALEF	BP	Fall	2.35	80.7	POOR
TF5.5	MARGALEF	AP	SAV1	2.56	88.7	POOR
TF5.5	MARGALEF	BP	SAV1	2.47	81.9	POOR
TF5.5	MARGALEF	AP	SAV2	2.91	89.8	POOR
TF5.5	MARGALEF	BP	SAV2	2.74	79.0	POOR
TF5.5	MARGALEF	AP	Spring1	2.55	90.1	POOR
TF5.5	MARGALEF	BP	Spring1	2.38	86.2	POOR
TF5.5	MARGALEF	AP	Spring2	2.72	90.9	POOR
TF5.5	MARGALEF	BP	Spring2	2.78	88.6	POOR
TF5.5	MARGALEF	AP	Summer1	3.06	87.4	POOR
TF5.5	MARGALEF	BP	Summer1	2.94	78.0	POOR
TF5.5	MARGALEF	AP	Summer2	2.93	81.4	POOR
TF5.5	MARGALEF	BP	Summer2	2.94	76.5	POOR
TF5.5	MARGALEF	AP	Winter	2.08	55.8	FAIR
TF5.5	MARGALEF	BP	Winter	2.14	77.2	POOR
TF5.5	DIATOM	AP	Annual	11609586	83.1	GOOD
TF5.5	DIATOM	BP	Annual	14600704	87.1	GOOD
TF5.5	DIATOM	AP	Fall	16553472	91.6	GOOD
TF5.5	DIATOM	BP	Fall	16144384	91.6	GOOD
TF5.5	DIATOM	AP	SAV1	10569370	74.7	GOOD
TF5.5	DIATOM	BP	SAV1	14439936	81.7	GOOD
TF5.5	DIATOM	AP	SAV2	16911513	83.6	GOOD
TF5.5	DIATOM	BP	SAV2	16144384	83.4	GOOD
TF5.5	DIATOM	AP	Spring1	8947712	68.1	GOOD
TF5.5	DIATOM	BP	Spring1	8948326	67.5	GOOD
TF5.5	DIATOM	AP	Spring2	13578240	75.9	GOOD
TF5.5	DIATOM	BP	Spring2	14774272	77.0	GOOD
TF5.5	DIATOM	AP	Summer1	19905707	92.0	GOOD
TF5.5	DIATOM	BP	Summer1	16414566	89.5	GOOD
TF5.5	DIATOM	AP	Summer2	16911513	90.0	GOOD
TF5.5	DIATOM	BP	Summer2	16374272	90.3	GOOD
TF5.5	DIATOM	AP	Winter	5927948	79.0	GOOD
TF5.5	DIATOM	BP	Winter	9605632	90.6	GOOD
TF5.5	DIATOM_C	AP	Annual	1241400000	63.9	GOOD
TF5.5	DIATOM_C	BP	Annual	1705600000	69.2	GOOD
TF5.5	DIATOM_C	AP	Fall	1488000000	73.0	GOOD
TF5.5	DIATOM_C	BP	Fall	2805300000	80.3	GOOD
TF5.5	DIATOM_C	AP	SAV1	1039400000	59.2	GOOD
TF5.5	DIATOM_C	BP	SAV1	1474100000	64.1	GOOD
TF5.5	DIATOM_C	AP	SAV2	1703800000	65.6	GOOD
TF5.5	DIATOM_C	BP	SAV2	1696100000	64.7	GOOD
TF5.5	DIATOM_C	AP	Spring1	921950000	52.0	FAIR
TF5.5	DIATOM_C	BP	Spring1	765700000	46.3	FAIR
TF5.5	DIATOM_C	AP	Spring2	979600000	46.7	FAIR
TF5.5	DIATOM_C	BP	Spring2	919400000	44.1	FAIR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
TF5.5	DIATOM_C	AP	Summer1	2293800000	71.4	GOOD
TF5.5	DIATOM_C	BP	Summer1	2380300000	69.7	GOOD
TF5.5	DIATOM_C	AP	Summer2	2247600000	73.8	GOOD
TF5.5	DIATOM_C	BP	Summer2	1715100000	66.8	GOOD
TF5.5	DIATOM_C	AP	Winter	524400000	53.2	FAIR
TF5.5	DIATOM_C	BP	Winter	1393800000	75.4	GOOD
TF5.5	DINOFLG	AP	Annual	1408	68.0	POOR
TF5.5	DINOFLG	BP	Annual	1792	72.2	POOR
TF5.5	DINOFLG	AP	Fall	3072	90.8	POOR
TF5.5	DINOFLG	BP	Fall	2048	85.1	POOR
TF5.5	DINOFLG	AP	SAV1	1152	72.7	POOR
TF5.5	DINOFLG	BP	SAV1	3072	77.0	POOR
TF5.5	DINOFLG	AP	SAV2	2048	63.4	POOR
TF5.5	DINOFLG	BP	SAV2	4096	72.5	POOR
TF5.5	DINOFLG	AP	Spring1	1024	71.2	POOR
TF5.5	DINOFLG	BP	Spring1	1536	74.9	POOR
TF5.5	DINOFLG	AP	Spring2	2048	64.1	POOR
TF5.5	DINOFLG	BP	Spring2	4096	76.7	POOR
TF5.5	DINOFLG	AP	Summer1	3584	55.9	FAIR
TF5.5	DINOFLG	BP	Summer1	3584	64.7	POOR
TF5.5	DINOFLG	AP	Summer2	3072	54.7	FAIR
TF5.5	DINOFLG	BP	Summer2	6144	64.5	POOR
TF5.5	DINOFLG	AP	Winter	640	52.5	FAIR
TF5.5	DINOFLG	BP	Winter	128	32.5	GOOD
TF5.5	DINOFL_C	AP	Annual	368983	79.4	POOR
TF5.5	DINOFL_C	BP	Annual	576036	84.1	POOR
TF5.5	DINOFL_C	AP	Fall	315628	93.0	POOR
TF5.5	DINOFL_C	BP	Fall	2502230	94.5	POOR
TF5.5	DINOFL_C	AP	SAV1	260019	83.7	POOR
TF5.5	DINOFL_C	BP	SAV1	951022	87.0	POOR
TF5.5	DINOFL_C	AP	SAV2	678011	76.5	POOR
TF5.5	DINOFL_C	BP	SAV2	3607526	87.0	POOR
TF5.5	DINOFL_C	AP	Spring1	218194	84.1	POOR
TF5.5	DINOFL_C	BP	Spring1	402519	87.7	POOR
TF5.5	DINOFL_C	AP	Spring2	421437	78.6	POOR
TF5.5	DINOFL_C	BP	Spring2	699535	86.2	POOR
TF5.5	DINOFL_C	AP	Summer1	1783363	69.7	POOR
TF5.5	DINOFL_C	BP	Summer1	6991473	83.4	POOR
TF5.5	DINOFL_C	AP	Summer2	1088768	65.8	POOR
TF5.5	DINOFL_C	BP	Summer2	9582920	82.3	POOR
TF5.5	DINOFL_C	AP	Winter	529341	73.9	POOR
TF5.5	DINOFL_C	BP	Winter	226268	46.1	FAIR
TF5.5	CYANO	AP	Annual	12248218	76.4	POOR
TF5.5	CYANO	BP	Annual	15428506	77.1	POOR
TF5.5	CYANO	AP	Fall	23370752	85.3	POOR
TF5.5	CYANO	BP	Fall	31881830	85.3	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
TF5.5	CYANO	AP	SAV1	10823885	78.0	POOR
TF5.5	CYANO	BP	SAV1	15428506	79.8	POOR
TF5.5	CYANO	AP	SAV2	41750506	82.1	POOR
TF5.5	CYANO	BP	SAV2	28800000	76.7	POOR
TF5.5	CYANO	AP	Spring1	3334229	73.5	POOR
TF5.5	CYANO	BP	Spring1	3538534	74.2	POOR
TF5.5	CYANO	AP	Spring2	12663091	78.0	POOR
TF5.5	CYANO	BP	Spring2	11116869	76.1	POOR
TF5.5	CYANO	AP	Summer1	152470000	89.3	POOR
TF5.5	CYANO	BP	Summer1	77651968	77.7	POOR
TF5.5	CYANO	AP	Summer2	134930000	87.3	POOR
TF5.5	CYANO	BP	Summer2	111140000	85.4	POOR
TF5.5	CYANO	AP	Winter	3171342	81.4	POOR
TF5.5	CYANO	BP	Winter	2672718	78.7	POOR
TF5.5	CYANO_C	AP	Annual	42575991	64.9	POOR
TF5.5	CYANO_C	BP	Annual	66559269	68.7	POOR
TF5.5	CYANO_C	AP	Fall	66934583	74.8	POOR
TF5.5	CYANO_C	BP	Fall	99068281	79.9	POOR
TF5.5	CYANO_C	AP	SAV1	47517323	66.5	POOR
TF5.5	CYANO_C	BP	SAV1	41047995	68.7	POOR
TF5.5	CYANO_C	AP	SAV2	248220000	67.8	POOR
TF5.5	CYANO_C	BP	SAV2	143320000	65.8	POOR
TF5.5	CYANO_C	AP	Spring1	14204528	63.4	POOR
TF5.5	CYANO_C	BP	Spring1	19923815	65.9	POOR
TF5.5	CYANO_C	AP	Spring2	25010004	56.3	FAIR
TF5.5	CYANO_C	BP	Spring2	33835146	60.2	POOR
TF5.5	CYANO_C	AP	Summer1	425020000	65.5	POOR
TF5.5	CYANO_C	BP	Summer1	296930000	60.8	POOR
TF5.5	CYANO_C	AP	Summer2	351920000	62.1	POOR
TF5.5	CYANO_C	BP	Summer2	388050000	64.1	POOR
TF5.5	CYANO_C	AP	Winter	14549470	73.1	POOR
TF5.5	CYANO_C	BP	Winter	8138443	65.8	POOR
TF5.5	CHLORO	AP	Annual	3860736	82.8	GOOD
TF5.5	CHLORO	BP	Annual	6129613	85.9	GOOD
TF5.5	CHLORO	AP	Fall	9077248	89.5	GOOD
TF5.5	CHLORO	BP	Fall	9357312	88.5	GOOD
TF5.5	CHLORO	AP	SAV1	2994990	80.4	GOOD
TF5.5	CHLORO	BP	SAV1	4282638	82.5	GOOD
TF5.5	CHLORO	AP	SAV2	9907692	88.1	GOOD
TF5.5	CHLORO	BP	SAV2	9357312	90.0	GOOD
TF5.5	CHLORO	AP	Spring1	1648640	76.8	GOOD
TF5.5	CHLORO	BP	Spring1	2641664	83.2	GOOD
TF5.5	CHLORO	AP	Spring2	3788800	80.1	GOOD
TF5.5	CHLORO	BP	Spring2	5720576	88.6	GOOD
TF5.5	CHLORO	AP	Summer1	23809743	94.2	GOOD
TF5.5	CHLORO	BP	Summer1	15551181	92.2	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
TF5.5	CHLORO	AP	Summer2	23350034	94.1	GOOD
TF5.5	CHLORO	BP	Summer2	17561600	91.9	GOOD
TF5.5	CHLORO	AP	Winter	1235149	88.1	GOOD
TF5.5	CHLORO	BP	Winter	1606656	86.6	GOOD
TF5.5	CHLORO_C	AP	Annual	456060000	79.7	GOOD
TF5.5	CHLORO_C	BP	Annual	602870000	80.7	GOOD
TF5.5	CHLORO_C	AP	Fall	525570000	83.1	GOOD
TF5.5	CHLORO_C	BP	Fall	739920000	84.5	GOOD
TF5.5	CHLORO_C	AP	SAV1	436440000	79.2	GOOD
TF5.5	CHLORO_C	BP	SAV1	452960000	78.8	GOOD
TF5.5	CHLORO_C	AP	SAV2	901870000	80.3	GOOD
TF5.5	CHLORO_C	BP	SAV2	698820000	78.9	GOOD
TF5.5	CHLORO_C	AP	Spring1	213560000	74.1	GOOD
TF5.5	CHLORO_C	BP	Spring1	232600000	74.0	GOOD
TF5.5	CHLORO_C	AP	Spring2	473340000	76.6	GOOD
TF5.5	CHLORO_C	BP	Spring2	467900000	77.2	GOOD
TF5.5	CHLORO_C	AP	Summer1	1362000000	82.5	GOOD
TF5.5	CHLORO_C	BP	Summer1	1358400000	81.0	GOOD
TF5.5	CHLORO_C	AP	Summer2	1368300000	83.9	GOOD
TF5.5	CHLORO_C	BP	Summer2	821210000	76.9	GOOD
TF5.5	CHLORO_C	AP	Winter	106860000	81.9	GOOD
TF5.5	CHLORO_C	BP	Winter	289270000	85.9	GOOD
TF5.5	PICO	AP	Annual	46978000	70.6	POOR
TF5.5	PICO	BP	Annual	48360000	75.1	POOR
TF5.5	PICO	AP	Fall	21272381	57.0	FAIR
TF5.5	PICO	BP	Fall	34720000	75.8	POOR
TF5.5	PICO	AP	SAV1	46978000	75.9	POOR
TF5.5	PICO	BP	SAV1	39360000	75.2	POOR
TF5.5	PICO	AP	SAV2	93760000	68.0	POOR
TF5.5	PICO	BP	SAV2	105760000	74.6	POOR
TF5.5	PICO	AP	Spring1	10857000	58.9	POOR
TF5.5	PICO	BP	Spring1	24352000	81.9	POOR
TF5.5	PICO	AP	Spring2	112800000	81.1	POOR
TF5.5	PICO	BP	Spring2	131840000	85.6	POOR
TF5.5	PICO	AP	Summer1	210320000	64.6	POOR
TF5.5	PICO	BP	Summer1	171040000	69.8	POOR
TF5.5	PICO	AP	Summer2	93760000	40.7	GOOD
TF5.5	PICO	BP	Summer2	105760000	49.9	FAIR
TF5.5	PICO	AP	Winter	2759500	57.0	FAIR
TF5.5	PICO	BP	Winter	3666000	64.2	POOR
TF5.5	PICO_C	AP	Annual	70467000	70.6	POOR
TF5.5	PICO_C	BP	Annual	72540000	75.1	POOR
TF5.5	PICO_C	AP	Fall	31908572	57.0	FAIR
TF5.5	PICO_C	BP	Fall	52080000	75.8	POOR
TF5.5	PICO_C	AP	SAV1	70467000	75.9	POOR
TF5.5	PICO_C	BP	SAV1	59040000	75.2	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
TF5.5	PICO_C	AP	SAV2	140640000	68.0	POOR
TF5.5	PICO_C	BP	SAV2	158640000	74.6	POOR
TF5.5	PICO_C	AP	Spring1	16285500	58.9	POOR
TF5.5	PICO_C	BP	Spring1	36528000	81.9	POOR
TF5.5	PICO_C	AP	Spring2	169200000	81.1	POOR
TF5.5	PICO_C	BP	Spring2	197760000	85.6	POOR
TF5.5	PICO_C	AP	Summer1	315480000	64.6	POOR
TF5.5	PICO_C	BP	Summer1	256560000	69.8	POOR
TF5.5	PICO_C	AP	Summer2	140640000	40.7	GOOD
TF5.5	PICO_C	BP	Summer2	158640000	49.9	FAIR
TF5.5	PICO_C	AP	Winter	4139250	57.0	FAIR
TF5.5	PICO_C	BP	Winter	5499000	64.2	POOR
TF5.5	PROCAR_C	AP	Annual	0.024	33.7	GOOD
TF5.5	PROCAR_C	BP	Annual	0.022	33.7	GOOD
TF5.5	PROCAR_C	AP	Fall	0.023	33.5	GOOD
TF5.5	PROCAR_C	BP	Fall	0.025	33.3	GOOD
TF5.5	PROCAR_C	AP	SAV1	0.023	34.3	GOOD
TF5.5	PROCAR_C	BP	SAV1	0.022	35.7	GOOD
TF5.5	PROCAR_C	AP	SAV2	0.056	33.6	GOOD
TF5.5	PROCAR_C	BP	SAV2	0.042	33.6	GOOD
TF5.5	PROCAR_C	AP	Spring1	0.013	34.3	GOOD
TF5.5	PROCAR_C	BP	Spring1	0.020	35.4	GOOD
TF5.5	PROCAR_C	AP	Spring2	0.024	35.3	GOOD
TF5.5	PROCAR_C	BP	Spring2	0.031	35.8	GOOD
TF5.5	PROCAR_C	AP	Summer1	0.078	31.9	GOOD
TF5.5	PROCAR_C	BP	Summer1	0.043	29.6	GOOD
TF5.5	PROCAR_C	AP	Summer2	0.095	31.2	GOOD
TF5.5	PROCAR_C	BP	Summer2	0.050	29.2	GOOD
TF5.5	PROCAR_C	AP	Winter	0.016	35.9	GOOD
TF5.5	PROCAR_C	BP	Winter	0.010	34.0	GOOD
RET5.2	TOTBMASS	AP	Annual	1211200000	57.9	FAIR
RET5.2	TOTBMASS	BP	Annual	1273200000	63.8	GOOD
RET5.2	TOTBMASS	AP	Fall	467540000	49.7	FAIR
RET5.2	TOTBMASS	BP	Fall	719880000	61.5	GOOD
RET5.2	TOTBMASS	AP	SAV1	1211200000	54.7	FAIR
RET5.2	TOTBMASS	BP	SAV1	1297800000	60.5	GOOD
RET5.2	TOTBMASS	AP	SAV2	1279100000	49.1	FAIR
RET5.2	TOTBMASS	BP	SAV2	1294100000	56.5	FAIR
RET5.2	TOTBMASS	AP	Spring1	1952200000	62.7	GOOD
RET5.2	TOTBMASS	BP	Spring1	2695800000	75.1	GOOD
RET5.2	TOTBMASS	AP	Spring2	1924600000	57.5	FAIR
RET5.2	TOTBMASS	BP	Spring2	1701200000	63.8	GOOD
RET5.2	TOTBMASS	AP	Summer1	1245100000	47.8	FAIR
RET5.2	TOTBMASS	BP	Summer1	934070000	50.6	FAIR
RET5.2	TOTBMASS	AP	Summer2	1279100000	48.7	FAIR
RET5.2	TOTBMASS	BP	Summer2	822770000	46.9	FAIR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
RET5.2	TOTBMASS	AP	Winter	1512500000	83.7	GOOD
RET5.2	TOTBMASS	BP	Winter	1074600000	83.1	GOOD
RET5.2	RATIO	AP	Annual	39.09	30.4	POOR
RET5.2	RATIO	BP	Annual	50.41	37.6	POOR
RET5.2	RATIO	AP	Fall	33.40	33.3	POOR
RET5.2	RATIO	BP	Fall	36.99	36.0	POOR
RET5.2	RATIO	AP	SAV1	39.09	28.4	POOR
RET5.2	RATIO	BP	SAV1	51.58	36.4	POOR
RET5.2	RATIO	AP	SAV2	38.83	27.2	POOR
RET5.2	RATIO	BP	SAV2	37.36	29.3	POOR
RET5.2	RATIO	AP	Spring1	49.40	27.4	POOR
RET5.2	RATIO	BP	Spring1	80.57	41.9	FAIR
RET5.2	RATIO	AP	Spring2	41.85	22.4	POOR
RET5.2	RATIO	BP	Spring2	69.36	39.6	POOR
RET5.2	RATIO	AP	Summer1	32.86	27.0	POOR
RET5.2	RATIO	BP	Summer1	30.05	27.9	POOR
RET5.2	RATIO	AP	Summer2	31.86	29.7	POOR
RET5.2	RATIO	BP	Summer2	26.03	25.9	POOR
RET5.2	RATIO	AP	Winter	110.92	76.9	GOOD
RET5.2	RATIO	BP	Winter	82.98	66.2	GOOD
RET5.2	MARGALEF	AP	Annual	1.99	57.1	FAIR
RET5.2	MARGALEF	BP	Annual	1.90	67.8	POOR
RET5.2	MARGALEF	AP	Fall	1.50	23.2	GOOD
RET5.2	MARGALEF	BP	Fall	1.96	74.1	POOR
RET5.2	MARGALEF	AP	SAV1	1.83	49.4	FAIR
RET5.2	MARGALEF	BP	SAV1	2.02	77.1	POOR
RET5.2	MARGALEF	AP	SAV2	2.12	56.2	FAIR
RET5.2	MARGALEF	BP	SAV2	1.81	51.4	FAIR
RET5.2	MARGALEF	AP	Spring1	2.10	73.4	POOR
RET5.2	MARGALEF	BP	Spring1	1.87	71.7	POOR
RET5.2	MARGALEF	AP	Spring2	2.13	69.4	POOR
RET5.2	MARGALEF	BP	Spring2	1.83	62.8	POOR
RET5.2	MARGALEF	AP	Summer1	2.12	54.6	FAIR
RET5.2	MARGALEF	BP	Summer1	1.84	48.1	FAIR
RET5.2	MARGALEF	AP	Summer2	1.99	28.3	GOOD
RET5.2	MARGALEF	BP	Summer2	1.81	48.8	FAIR
RET5.2	MARGALEF	AP	Winter	2.03	73.0	POOR
RET5.2	MARGALEF	BP	Winter	2.07	88.8	POOR
RET5.2	DIATOM	AP	Annual	9219202	78.1	GOOD
RET5.2	DIATOM	BP	Annual	11910656	84.0	GOOD
RET5.2	DIATOM	AP	Fall	6568205	72.7	GOOD
RET5.2	DIATOM	BP	Fall	7251800	76.7	GOOD
RET5.2	DIATOM	AP	SAV1	10553958	78.5	GOOD
RET5.2	DIATOM	BP	SAV1	12663808	83.1	GOOD
RET5.2	DIATOM	AP	SAV2	12234240	79.5	GOOD
RET5.2	DIATOM	BP	SAV2	15722310	85.9	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
RET5.2	DIATOM	AP	Spring1	14658048	88.3	GOOD
RET5.2	DIATOM	BP	Spring1	14251370	87.3	GOOD
RET5.2	DIATOM	AP	Spring2	14298112	87.1	GOOD
RET5.2	DIATOM	BP	Spring2	12147759	84.9	GOOD
RET5.2	DIATOM	AP	Summer1	11706163	79.6	GOOD
RET5.2	DIATOM	BP	Summer1	16454656	85.6	GOOD
RET5.2	DIATOM	AP	Summer2	12858368	81.7	GOOD
RET5.2	DIATOM	BP	Summer2	17566875	84.3	GOOD
RET5.2	DIATOM	AP	Winter	6768742	81.6	GOOD
RET5.2	DIATOM	BP	Winter	6827750	88.4	GOOD
RET5.2	DIATOM_C	AP	Annual	564720000	63.8	GOOD
RET5.2	DIATOM_C	BP	Annual	696210000	66.6	GOOD
RET5.2	DIATOM_C	AP	Fall	258330000	60.3	GOOD
RET5.2	DIATOM_C	BP	Fall	282790000	63.7	GOOD
RET5.2	DIATOM_C	AP	SAV1	741900000	64.4	GOOD
RET5.2	DIATOM_C	BP	SAV1	769670000	64.9	GOOD
RET5.2	DIATOM_C	AP	SAV2	678640000	61.8	GOOD
RET5.2	DIATOM_C	BP	SAV2	1065700000	68.5	GOOD
RET5.2	DIATOM_C	AP	Spring1	967800000	64.8	GOOD
RET5.2	DIATOM_C	BP	Spring1	1436000000	69.5	GOOD
RET5.2	DIATOM_C	AP	Spring2	910800000	63.2	GOOD
RET5.2	DIATOM_C	BP	Spring2	1382500000	68.4	GOOD
RET5.2	DIATOM_C	AP	Summer1	621680000	61.9	GOOD
RET5.2	DIATOM_C	BP	Summer1	656490000	64.7	GOOD
RET5.2	DIATOM_C	AP	Summer2	678640000	63.3	GOOD
RET5.2	DIATOM_C	BP	Summer2	565280000	64.2	GOOD
RET5.2	DIATOM_C	AP	Winter	1066900000	89.7	GOOD
RET5.2	DIATOM_C	BP	Winter	757190000	85.4	GOOD
RET5.2	DINOFLG	AP	Annual	2048	29.1	GOOD
RET5.2	DINOFLG	BP	Annual	1280	33.8	GOOD
RET5.2	DINOFLG	AP	Fall	219136	77.9	POOR
RET5.2	DINOFLG	BP	Fall	48713	68.7	POOR
RET5.2	DINOFLG	AP	SAV1	2048	32.2	GOOD
RET5.2	DINOFLG	BP	SAV1	1280	29.9	GOOD
RET5.2	DINOFLG	AP	SAV2	2048	21.4	GOOD
RET5.2	DINOFLG	BP	SAV2	2048	31.0	GOOD
RET5.2	DINOFLG	AP	Spring1	0	3.2	GOOD
RET5.2	DINOFLG	BP	Spring1	1024	33.8	GOOD
RET5.2	DINOFLG	AP	Spring2	2048	29.5	GOOD
RET5.2	DINOFLG	BP	Spring2	1024	32.6	GOOD
RET5.2	DINOFLG	AP	Summer1	141184	61.1	POOR
RET5.2	DINOFLG	BP	Summer1	1664	27.0	GOOD
RET5.2	DINOFLG	AP	Summer2	156415	58.1	POOR
RET5.2	DINOFLG	BP	Summer2	2048	21.8	GOOD
RET5.2	DINOFLG	AP	Winter	1280	39.8	GOOD
RET5.2	DINOFLG	BP	Winter	512	22.6	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
RET5.2	DINOFL_C	AP	Annual	866529	62.8	POOR
RET5.2	DINOFL_C	BP	Annual	263148	60.0	POOR
RET5.2	DINOFL_C	AP	Fall	7050447	78.4	POOR
RET5.2	DINOFL_C	BP	Fall	12899840	78.0	POOR
RET5.2	DINOFL_C	AP	SAV1	316529	60.0	POOR
RET5.2	DINOFL_C	BP	SAV1	263148	59.5	POOR
RET5.2	DINOFL_C	AP	SAV2	908083	56.3	FAIR
RET5.2	DINOFL_C	BP	SAV2	308101	55.0	FAIR
RET5.2	DINOFL_C	AP	Spring1	0	8.4	GOOD
RET5.2	DINOFL_C	BP	Spring1	152550	64.3	POOR
RET5.2	DINOFL_C	AP	Spring2	316529	54.5	FAIR
RET5.2	DINOFL_C	BP	Spring2	179814	58.9	POOR
RET5.2	DINOFL_C	AP	Summer1	4721251	60.2	POOR
RET5.2	DINOFL_C	BP	Summer1	285624	52.3	FAIR
RET5.2	DINOFL_C	AP	Summer2	5556314	60.7	POOR
RET5.2	DINOFL_C	BP	Summer2	308101	50.2	FAIR
RET5.2	DINOFL_C	AP	Winter	356239	69.4	POOR
RET5.2	DINOFL_C	BP	Winter	86661	37.9	GOOD
RET5.2	CYANO	AP	Annual	7811482	72.7	POOR
RET5.2	CYANO	BP	Annual	4766208	71.2	POOR
RET5.2	CYANO	AP	Fall	3739648	70.7	POOR
RET5.2	CYANO	BP	Fall	5007330	73.4	POOR
RET5.2	CYANO	AP	SAV1	10415340	76.7	POOR
RET5.2	CYANO	BP	SAV1	7293548	75.2	POOR
RET5.2	CYANO	AP	SAV2	10735189	70.2	POOR
RET5.2	CYANO	BP	SAV2	7293548	69.3	POOR
RET5.2	CYANO	AP	Spring1	15209574	85.0	POOR
RET5.2	CYANO	BP	Spring1	6617712	80.9	POOR
RET5.2	CYANO	AP	Spring2	10735189	79.0	POOR
RET5.2	CYANO	BP	Spring2	6423757	76.1	POOR
RET5.2	CYANO	AP	Summer1	11673694	63.7	POOR
RET5.2	CYANO	BP	Summer1	7759772	62.8	POOR
RET5.2	CYANO	AP	Summer2	12612198	60.6	POOR
RET5.2	CYANO	BP	Summer2	8225997	59.9	POOR
RET5.2	CYANO	AP	Winter	3263668	79.5	POOR
RET5.2	CYANO	BP	Winter	1895142	86.5	POOR
RET5.2	CYANO_C	AP	Annual	15317727	59.5	POOR
RET5.2	CYANO_C	BP	Annual	18666598	64.8	POOR
RET5.2	CYANO_C	AP	Fall	7767881	68.9	POOR
RET5.2	CYANO_C	BP	Fall	20952064	74.1	POOR
RET5.2	CYANO_C	AP	SAV1	33478273	65.1	POOR
RET5.2	CYANO_C	BP	SAV1	34370916	69.3	POOR
RET5.2	CYANO_C	AP	SAV2	34487049	55.1	FAIR
RET5.2	CYANO_C	BP	SAV2	20952064	59.0	POOR
RET5.2	CYANO_C	AP	Spring1	63068416	66.4	POOR
RET5.2	CYANO_C	BP	Spring1	49259205	74.8	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
RET5.2	CYANO_C	AP	Spring2	15317727	53.2	FAIR
RET5.2	CYANO_C	BP	Spring2	34370916	67.6	POOR
RET5.2	CYANO_C	AP	Summer1	47660252	50.8	FAIR
RET5.2	CYANO_C	BP	Summer1	18239398	46.1	FAIR
RET5.2	CYANO_C	AP	Summer2	61842231	51.1	FAIR
RET5.2	CYANO_C	BP	Summer2	20010540	50.0	FAIR
RET5.2	CYANO_C	AP	Winter	11027899	70.3	POOR
RET5.2	CYANO_C	BP	Winter	11292185	73.8	POOR
RET5.2	CHLORO	AP	Annual	1543782	74.9	GOOD
RET5.2	CHLORO	BP	Annual	1546240	78.0	GOOD
RET5.2	CHLORO	AP	Fall	434573	63.3	GOOD
RET5.2	CHLORO	BP	Fall	750280	71.4	GOOD
RET5.2	CHLORO	AP	SAV1	1576038	74.1	GOOD
RET5.2	CHLORO	BP	SAV1	2094080	79.2	GOOD
RET5.2	CHLORO	AP	SAV2	1543782	71.2	GOOD
RET5.2	CHLORO	BP	SAV2	1602355	76.0	GOOD
RET5.2	CHLORO	AP	Spring1	3142711	83.4	GOOD
RET5.2	CHLORO	BP	Spring1	3969903	85.1	GOOD
RET5.2	CHLORO	AP	Spring2	2416340	79.3	GOOD
RET5.2	CHLORO	BP	Spring2	2158906	80.5	GOOD
RET5.2	CHLORO	AP	Summer1	1439132	69.6	GOOD
RET5.2	CHLORO	BP	Summer1	1781933	75.9	GOOD
RET5.2	CHLORO	AP	Summer2	1543782	69.7	GOOD
RET5.2	CHLORO	BP	Summer2	2094080	75.0	GOOD
RET5.2	CHLORO	AP	Winter	2810150	87.4	GOOD
RET5.2	CHLORO	BP	Winter	1550027	90.6	GOOD
RET5.2	CHLORO_C	AP	Annual	125570000	75.2	GOOD
RET5.2	CHLORO_C	BP	Annual	154580000	79.4	GOOD
RET5.2	CHLORO_C	AP	Fall	4321376	52.6	FAIR
RET5.2	CHLORO_C	BP	Fall	129610000	78.3	GOOD
RET5.2	CHLORO_C	AP	SAV1	76274348	70.7	GOOD
RET5.2	CHLORO_C	BP	SAV1	166190000	78.5	GOOD
RET5.2	CHLORO_C	AP	SAV2	76274348	68.9	GOOD
RET5.2	CHLORO_C	BP	SAV2	54332291	73.0	GOOD
RET5.2	CHLORO_C	AP	Spring1	159650000	76.4	GOOD
RET5.2	CHLORO_C	BP	Spring1	564380000	85.2	GOOD
RET5.2	CHLORO_C	AP	Spring2	76274348	70.5	GOOD
RET5.2	CHLORO_C	BP	Spring2	54332291	73.7	GOOD
RET5.2	CHLORO_C	AP	Summer1	64882549	67.1	GOOD
RET5.2	CHLORO_C	BP	Summer1	74478563	71.5	GOOD
RET5.2	CHLORO_C	AP	Summer2	97433051	70.1	GOOD
RET5.2	CHLORO_C	BP	Summer2	26970477	69.3	GOOD
RET5.2	CHLORO_C	AP	Winter	363110000	89.3	GOOD
RET5.2	CHLORO_C	BP	Winter	296220000	92.0	GOOD
RET5.2	PICO	AP	Annual	42386000	52.8	FAIR
RET5.2	PICO	BP	Annual	34857000	51.2	FAIR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
RET5.2	PICO	AP	Fall	12240000	22.4	GOOD
RET5.2	PICO	BP	Fall	18685000	33.6	GOOD
RET5.2	PICO	AP	SAV1	42386000	54.9	FAIR
RET5.2	PICO	BP	SAV1	34857000	50.8	FAIR
RET5.2	PICO	AP	SAV2	115910000	54.8	FAIR
RET5.2	PICO	BP	SAV2	145600000	58.0	POOR
RET5.2	PICO	AP	Spring1	23428653	65.5	POOR
RET5.2	PICO	BP	Spring1	25112000	73.1	POOR
RET5.2	PICO	AP	Spring2	43136000	48.0	FAIR
RET5.2	PICO	BP	Spring2	47040000	50.9	FAIR
RET5.2	PICO	AP	Summer1	201520000	43.1	FAIR
RET5.2	PICO	BP	Summer1	188980000	37.6	GOOD
RET5.2	PICO	AP	Summer2	219810000	47.3	FAIR
RET5.2	PICO	BP	Summer2	219040000	45.1	FAIR
RET5.2	PICO	AP	Winter	4435200	45.8	FAIR
RET5.2	PICO	BP	Winter	5472768	47.8	FAIR
RET5.2	PICO_C	AP	Annual	63579000	52.8	FAIR
RET5.2	PICO_C	BP	Annual	52285500	51.2	FAIR
RET5.2	PICO_C	AP	Fall	18360000	22.4	GOOD
RET5.2	PICO_C	BP	Fall	28027500	33.6	GOOD
RET5.2	PICO_C	AP	SAV1	63579000	54.9	FAIR
RET5.2	PICO_C	BP	SAV1	52285500	50.8	FAIR
RET5.2	PICO_C	AP	SAV2	173870000	54.8	FAIR
RET5.2	PICO_C	BP	SAV2	218400000	58.0	POOR
RET5.2	PICO_C	AP	Spring1	35142979	65.5	POOR
RET5.2	PICO_C	BP	Spring1	37668000	73.1	POOR
RET5.2	PICO_C	AP	Spring2	64704000	48.0	FAIR
RET5.2	PICO_C	BP	Spring2	70560000	50.9	FAIR
RET5.2	PICO_C	AP	Summer1	302280000	43.1	FAIR
RET5.2	PICO_C	BP	Summer1	283470000	37.6	GOOD
RET5.2	PICO_C	AP	Summer2	329710000	47.3	FAIR
RET5.2	PICO_C	BP	Summer2	328560000	45.1	FAIR
RET5.2	PICO_C	AP	Winter	6652800	45.8	FAIR
RET5.2	PICO_C	BP	Winter	8209152	47.8	FAIR
RET5.2	PROCAR_C	AP	Annual	0.022	34.0	GOOD
RET5.2	PROCAR_C	BP	Annual	0.023	35.2	GOOD
RET5.2	PROCAR_C	AP	Fall	0.025	41.6	GOOD
RET5.2	PROCAR_C	BP	Fall	0.043	40.7	GOOD
RET5.2	PROCAR_C	AP	SAV1	0.025	34.7	GOOD
RET5.2	PROCAR_C	BP	SAV1	0.039	37.2	GOOD
RET5.2	PROCAR_C	AP	SAV2	0.060	32.6	GOOD
RET5.2	PROCAR_C	BP	SAV2	0.023	33.3	GOOD
RET5.2	PROCAR_C	AP	Spring1	0.040	34.3	GOOD
RET5.2	PROCAR_C	BP	Spring1	0.024	37.4	GOOD
RET5.2	PROCAR_C	AP	Spring2	0.028	32.3	GOOD
RET5.2	PROCAR_C	BP	Spring2	0.023	35.6	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
RET5.2	PROCAR_C	AP	Summer1	0.044	30.6	GOOD
RET5.2	PROCAR_C	BP	Summer1	0.024	30.5	GOOD
RET5.2	PROCAR_C	AP	Summer2	0.060	29.8	GOOD
RET5.2	PROCAR_C	BP	Summer2	0.032	29.8	GOOD
RET5.2	PROCAR_C	AP	Winter	0.005	39.6	GOOD
RET5.2	PROCAR_C	BP	Winter	0.009	36.2	GOOD
LE5.5	TOTBMASS	AP	Annual	381110000	33.0	POOR
LE5.5	TOTBMASS	BP	Annual	372390000	44.4	FAIR
LE5.5	TOTBMASS	AP	Fall	262260000	44.8	FAIR
LE5.5	TOTBMASS	BP	Fall	360630000	70.8	GOOD
LE5.5	TOTBMASS	AP	SAV1	275070000	23.3	POOR
LE5.5	TOTBMASS	BP	SAV1	311010000	35.8	POOR
LE5.5	TOTBMASS	AP	SAV2	381110000	26.3	POOR
LE5.5	TOTBMASS	BP	SAV2	378200000	44.4	FAIR
LE5.5	TOTBMASS	AP	Spring1	336870000	13.4	POOR
LE5.5	TOTBMASS	BP	Spring1	298560000	12.1	POOR
LE5.5	TOTBMASS	AP	Spring2	381110000	18.0	POOR
LE5.5	TOTBMASS	BP	Spring2	380310000	26.7	POOR
LE5.5	TOTBMASS	AP	Summer1	538490000	40.2	POOR
LE5.5	TOTBMASS	BP	Summer1	482140000	64.7	GOOD
LE5.5	TOTBMASS	AP	Summer2	480050000	36.7	POOR
LE5.5	TOTBMASS	BP	Summer2	378200000	57.8	FAIR
LE5.5	TOTBMASS	AP	Winter	501330000	42.2	FAIR
LE5.5	TOTBMASS	BP	Winter	372390000	26.6	POOR
LE5.5	RATIO	AP	Annual	63.81	20.4	POOR
LE5.5	RATIO	BP	Annual	69.15	24.5	POOR
LE5.5	RATIO	AP	Fall	86.69	49.6	FAIR
LE5.5	RATIO	BP	Fall	71.33	41.1	POOR
LE5.5	RATIO	AP	SAV1	57.25	15.7	POOR
LE5.5	RATIO	BP	SAV1	58.78	17.1	POOR
LE5.5	RATIO	AP	SAV2	63.81	16.9	POOR
LE5.5	RATIO	BP	SAV2	69.15	22.1	POOR
LE5.5	RATIO	AP	Spring1	56.92	7.4	POOR
LE5.5	RATIO	BP	Spring1	83.41	14.7	POOR
LE5.5	RATIO	AP	Spring2	68.74	13.0	POOR
LE5.5	RATIO	BP	Spring2	83.41	19.0	POOR
LE5.5	RATIO	AP	Summer1	60.69	16.0	POOR
LE5.5	RATIO	BP	Summer1	68.50	26.4	POOR
LE5.5	RATIO	AP	Summer2	57.58	14.9	POOR
LE5.5	RATIO	BP	Summer2	67.85	27.3	POOR
LE5.5	RATIO	AP	Winter	83.31	20.6	POOR
LE5.5	RATIO	BP	Winter	43.38	9.3	POOR
LE5.5	MARGALEF	AP	Annual	2.86	74.6	POOR
LE5.5	MARGALEF	BP	Annual	2.98	78.2	POOR
LE5.5	MARGALEF	AP	Fall	3.18	80.7	POOR
LE5.5	MARGALEF	BP	Fall	3.13	77.1	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
LE5.5	MARGALEF	AP	SAV1	2.95	77.8	POOR
LE5.5	MARGALEF	BP	SAV1	2.97	74.2	POOR
LE5.5	MARGALEF	AP	SAV2	2.70	69.7	POOR
LE5.5	MARGALEF	BP	SAV2	2.77	71.6	POOR
LE5.5	MARGALEF	AP	Spring1	2.96	86.9	POOR
LE5.5	MARGALEF	BP	Spring1	2.98	80.2	POOR
LE5.5	MARGALEF	AP	Spring2	2.93	88.3	POOR
LE5.5	MARGALEF	BP	Spring2	2.77	75.8	POOR
LE5.5	MARGALEF	AP	Summer1	2.58	68.3	POOR
LE5.5	MARGALEF	BP	Summer1	2.67	72.6	POOR
LE5.5	MARGALEF	AP	Summer2	2.57	66.4	POOR
LE5.5	MARGALEF	BP	Summer2	2.75	76.8	POOR
LE5.5	MARGALEF	AP	Winter	2.86	50.0	FAIR
LE5.5	MARGALEF	BP	Winter	3.04	73.0	POOR
LE5.5	DIATOM	AP	Annual	3017352	64.0	GOOD
LE5.5	DIATOM	BP	Annual	2943923	64.1	GOOD
LE5.5	DIATOM	AP	Fall	2132736	70.9	GOOD
LE5.5	DIATOM	BP	Fall	1689024	62.8	GOOD
LE5.5	DIATOM	AP	SAV1	2804416	61.5	GOOD
LE5.5	DIATOM	BP	SAV1	2396005	53.8	FAIR
LE5.5	DIATOM	AP	SAV2	3666624	73.1	GOOD
LE5.5	DIATOM	BP	SAV2	3302719	75.5	GOOD
LE5.5	DIATOM	AP	Spring1	2938509	45.1	FAIR
LE5.5	DIATOM	BP	Spring1	2850458	36.9	POOR
LE5.5	DIATOM	AP	Spring2	3210046	52.9	FAIR
LE5.5	DIATOM	BP	Spring2	2850458	53.8	FAIR
LE5.5	DIATOM	AP	Summer1	5235994	89.6	GOOD
LE5.5	DIATOM	BP	Summer1	7446093	97.0	GOOD
LE5.5	DIATOM	AP	Summer2	5469414	92.7	GOOD
LE5.5	DIATOM	BP	Summer2	7447168	97.7	GOOD
LE5.5	DIATOM	AP	Winter	2698931	32.4	POOR
LE5.5	DIATOM	BP	Winter	2996518	25.5	POOR
LE5.5	DIATOM_C	AP	Annual	246660000	53.1	FAIR
LE5.5	DIATOM_C	BP	Annual	293510000	55.6	FAIR
LE5.5	DIATOM_C	AP	Fall	169130000	63.4	GOOD
LE5.5	DIATOM_C	BP	Fall	319580000	76.1	GOOD
LE5.5	DIATOM_C	AP	SAV1	173970000	44.1	FAIR
LE5.5	DIATOM_C	BP	SAV1	232730000	45.5	FAIR
LE5.5	DIATOM_C	AP	SAV2	285980000	55.9	FAIR
LE5.5	DIATOM_C	BP	SAV2	293510000	58.4	GOOD
LE5.5	DIATOM_C	AP	Spring1	186530000	18.4	POOR
LE5.5	DIATOM_C	BP	Spring1	188510000	15.2	POOR
LE5.5	DIATOM_C	AP	Spring2	287230000	35.7	POOR
LE5.5	DIATOM_C	BP	Spring2	276940000	36.8	POOR
LE5.5	DIATOM_C	AP	Summer1	363880000	72.3	GOOD
LE5.5	DIATOM_C	BP	Summer1	323630000	75.9	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
LE5.5	DIATOM_C	AP	Summer2	285980000	68.7	GOOD
LE5.5	DIATOM_C	BP	Summer2	347310000	77.9	GOOD
LE5.5	DIATOM_C	AP	Winter	246660000	41.2	POOR
LE5.5	DIATOM_C	BP	Winter	114760000	16.9	POOR
LE5.5	DINOFLG	AP	Annual	187707	54.2	FAIR
LE5.5	DINOFLG	BP	Annual	177022	74.3	POOR
LE5.5	DINOFLG	AP	Fall	207744	66.1	POOR
LE5.5	DINOFLG	BP	Fall	119424	76.3	POOR
LE5.5	DINOFLG	AP	SAV1	194000	62.8	POOR
LE5.5	DINOFLG	BP	SAV1	146739	70.4	POOR
LE5.5	DINOFLG	AP	SAV2	187707	53.8	FAIR
LE5.5	DINOFLG	BP	SAV2	259226	86.1	POOR
LE5.5	DINOFLG	AP	Spring1	187707	54.4	FAIR
LE5.5	DINOFLG	BP	Spring1	292886	70.1	POOR
LE5.5	DINOFLG	AP	Spring2	174848	45.2	FAIR
LE5.5	DINOFLG	BP	Spring2	328574	78.1	POOR
LE5.5	DINOFLG	AP	Summer1	174784	46.5	FAIR
LE5.5	DINOFLG	BP	Summer1	263781	91.5	POOR
LE5.5	DINOFLG	AP	Summer2	174720	50.0	FAIR
LE5.5	DINOFLG	BP	Summer2	147558	85.6	POOR
LE5.5	DINOFLG	AP	Winter	150989	41.2	FAIR
LE5.5	DINOFLG	BP	Winter	113946	51.3	FAIR
LE5.5	DINOFL_C	AP	Annual	38480543	43.3	FAIR
LE5.5	DINOFL_C	BP	Annual	50717051	64.5	POOR
LE5.5	DINOFL_C	AP	Fall	38480543	52.3	FAIR
LE5.5	DINOFL_C	BP	Fall	23648023	64.5	POOR
LE5.5	DINOFL_C	AP	SAV1	28069426	43.1	FAIR
LE5.5	DINOFL_C	BP	SAV1	31939253	58.7	POOR
LE5.5	DINOFL_C	AP	SAV2	28109657	26.9	GOOD
LE5.5	DINOFL_C	BP	SAV2	59124966	65.4	POOR
LE5.5	DINOFL_C	AP	Spring1	28109657	42.5	FAIR
LE5.5	DINOFL_C	BP	Spring1	76172977	63.7	POOR
LE5.5	DINOFL_C	AP	Spring2	18421189	23.2	GOOD
LE5.5	DINOFL_C	BP	Spring2	76172977	62.9	POOR
LE5.5	DINOFL_C	AP	Summer1	47427747	30.1	GOOD
LE5.5	DINOFL_C	BP	Summer1	73252015	71.0	POOR
LE5.5	DINOFL_C	AP	Summer2	69804170	45.0	FAIR
LE5.5	DINOFL_C	BP	Summer2	27422550	57.2	FAIR
LE5.5	DINOFL_C	AP	Winter	43261520	54.9	FAIR
LE5.5	DINOFL_C	BP	Winter	18556479	50.2	FAIR
LE5.5	CYANO	AP	Annual	260224	82.7	POOR
LE5.5	CYANO	BP	Annual	311552	88.2	POOR
LE5.5	CYANO	AP	Fall	260224	90.2	POOR
LE5.5	CYANO	BP	Fall	109747	88.0	POOR
LE5.5	CYANO	AP	SAV1	246528	82.1	POOR
LE5.5	CYANO	BP	SAV1	406592	87.9	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
LE5.5	CYANO	AP	SAV2	232832	76.3	POOR
LE5.5	CYANO	BP	SAV2	315008	85.3	POOR
LE5.5	CYANO	AP	Spring1	232832	79.1	POOR
LE5.5	CYANO	BP	Spring1	367206	86.2	POOR
LE5.5	CYANO	AP	Spring2	148224	73.4	POOR
LE5.5	CYANO	BP	Spring2	333824	85.3	POOR
LE5.5	CYANO	AP	Summer1	289306	76.1	POOR
LE5.5	CYANO	BP	Summer1	279040	84.7	POOR
LE5.5	CYANO	AP	Summer2	311552	74.9	POOR
LE5.5	CYANO	BP	Summer2	246528	83.2	POOR
LE5.5	CYANO	AP	Winter	239462	91.0	POOR
LE5.5	CYANO	BP	Winter	172186	94.1	POOR
LE5.5	CYANO_C	AP	Annual	1425688	78.9	POOR
LE5.5	CYANO_C	BP	Annual	1809242	84.3	POOR
LE5.5	CYANO_C	AP	Fall	1378483	90.2	POOR
LE5.5	CYANO_C	BP	Fall	839675	87.5	POOR
LE5.5	CYANO_C	AP	SAV1	1252832	78.7	POOR
LE5.5	CYANO_C	BP	SAV1	2636142	84.6	POOR
LE5.5	CYANO_C	AP	SAV2	1378483	72.8	POOR
LE5.5	CYANO_C	BP	SAV2	1955875	79.9	POOR
LE5.5	CYANO_C	AP	Spring1	1769523	75.4	POOR
LE5.5	CYANO_C	BP	Spring1	2537062	81.4	POOR
LE5.5	CYANO_C	AP	Spring2	1126502	68.8	POOR
LE5.5	CYANO_C	BP	Spring2	1955875	77.4	POOR
LE5.5	CYANO_C	AP	Summer1	1323875	70.2	POOR
LE5.5	CYANO_C	BP	Summer1	1799654	79.6	POOR
LE5.5	CYANO_C	AP	Summer2	1520568	70.9	POOR
LE5.5	CYANO_C	BP	Summer2	1790067	79.3	POOR
LE5.5	CYANO_C	AP	Winter	1425688	83.4	POOR
LE5.5	CYANO_C	BP	Winter	1220826	91.3	POOR
LE5.5	CHLORO	AP	Annual	55296	88.5	GOOD
LE5.5	CHLORO	BP	Annual	32947	86.9	GOOD
LE5.5	CHLORO	AP	Fall	640	79.6	GOOD
LE5.5	CHLORO	BP	Fall	0	22.3	POOR
LE5.5	CHLORO	AP	SAV1	57754	86.0	GOOD
LE5.5	CHLORO	BP	SAV1	49152	86.8	GOOD
LE5.5	CHLORO	AP	SAV2	33382	83.5	GOOD
LE5.5	CHLORO	BP	SAV2	73434	88.3	GOOD
LE5.5	CHLORO	AP	Spring1	171195	82.2	GOOD
LE5.5	CHLORO	BP	Spring1	178074	84.0	GOOD
LE5.5	CHLORO	AP	Spring2	124620	81.5	GOOD
LE5.5	CHLORO	BP	Spring2	284134	88.1	GOOD
LE5.5	CHLORO	AP	Summer1	8558	78.2	GOOD
LE5.5	CHLORO	BP	Summer1	37235	88.2	GOOD
LE5.5	CHLORO	AP	Summer2	2396	72.9	GOOD
LE5.5	CHLORO	BP	Summer2	33382	87.8	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
LE5.5	CHLORO	AP	Winter	64204	90.4	GOOD
LE5.5	CHLORO	BP	Winter	12451	79.6	GOOD
LE5.5	CHLORO_C	AP	Annual	1368635	89.2	GOOD
LE5.5	CHLORO_C	BP	Annual	364441	87.3	GOOD
LE5.5	CHLORO_C	AP	Fall	26391	87.0	GOOD
LE5.5	CHLORO_C	BP	Fall	0	24.8	POOR
LE5.5	CHLORO_C	AP	SAV1	1107816	86.1	GOOD
LE5.5	CHLORO_C	BP	SAV1	944502	87.9	GOOD
LE5.5	CHLORO_C	AP	SAV2	574496	85.8	GOOD
LE5.5	CHLORO_C	BP	SAV2	1897773	90.3	GOOD
LE5.5	CHLORO_C	AP	Spring1	2995632	79.7	GOOD
LE5.5	CHLORO_C	BP	Spring1	5203075	84.0	GOOD
LE5.5	CHLORO_C	AP	Spring2	2995632	82.4	GOOD
LE5.5	CHLORO_C	BP	Spring2	8726959	87.9	GOOD
LE5.5	CHLORO_C	AP	Summer1	2584559	93.6	GOOD
LE5.5	CHLORO_C	BP	Summer1	3671471	94.4	GOOD
LE5.5	CHLORO_C	AP	Summer2	574496	91.3	GOOD
LE5.5	CHLORO_C	BP	Summer2	977091	92.8	GOOD
LE5.5	CHLORO_C	AP	Winter	8726729	94.1	GOOD
LE5.5	CHLORO_C	BP	Winter	239048	79.3	GOOD
LE5.5	PICO	AP	Annual	29050000	47.7	FAIR
LE5.5	PICO	BP	Annual	31866000	53.6	FAIR
LE5.5	PICO	AP	Fall	15004500	46.7	FAIR
LE5.5	PICO	BP	Fall	18868000	54.8	FAIR
LE5.5	PICO	AP	SAV1	26173000	56.4	POOR
LE5.5	PICO	BP	SAV1	23019500	54.6	FAIR
LE5.5	PICO	AP	SAV2	128960000	60.9	POOR
LE5.5	PICO	BP	SAV2	171270000	76.0	POOR
LE5.5	PICO	AP	Spring1	11136000	61.3	POOR
LE5.5	PICO	BP	Spring1	5463000	36.2	GOOD
LE5.5	PICO	AP	Spring2	43170000	55.7	FAIR
LE5.5	PICO	BP	Spring2	58040000	65.9	POOR
LE5.5	PICO	AP	Summer1	410560000	68.2	POOR
LE5.5	PICO	BP	Summer1	319760000	78.2	POOR
LE5.5	PICO	AP	Summer2	427520000	70.0	POOR
LE5.5	PICO	BP	Summer2	432640000	86.0	POOR
LE5.5	PICO	AP	Winter	5984000	49.0	FAIR
LE5.5	PICO	BP	Winter	6766500	58.2	FAIR
LE5.5	PICO_C	AP	Annual	43575000	47.7	FAIR
LE5.5	PICO_C	BP	Annual	47799000	53.6	FAIR
LE5.5	PICO_C	AP	Fall	22506750	46.7	FAIR
LE5.5	PICO_C	BP	Fall	28302000	54.8	FAIR
LE5.5	PICO_C	AP	SAV1	39259500	56.4	POOR
LE5.5	PICO_C	BP	SAV1	34529250	54.6	FAIR
LE5.5	PICO_C	AP	SAV2	193440000	60.9	POOR
LE5.5	PICO_C	BP	SAV2	256900000	76.0	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
LE5.5	PICO_C	AP	Spring1	16704000	61.3	POOR
LE5.5	PICO_C	BP	Spring1	8194500	36.2	GOOD
LE5.5	PICO_C	AP	Spring2	64755000	55.7	FAIR
LE5.5	PICO_C	BP	Spring2	87060000	65.9	POOR
LE5.5	PICO_C	AP	Summer1	615840000	68.2	POOR
LE5.5	PICO_C	BP	Summer1	479640000	78.2	POOR
LE5.5	PICO_C	AP	Summer2	641280000	70.0	POOR
LE5.5	PICO_C	BP	Summer2	648960000	86.0	POOR
LE5.5	PICO_C	AP	Winter	8976000	49.0	FAIR
LE5.5	PICO_C	BP	Winter	10149750	58.2	FAIR
LE5.5	PROCAR_C	AP	Annual	0.004	38.6	GOOD
LE5.5	PROCAR_C	BP	Annual	0.004	40.1	GOOD
LE5.5	PROCAR_C	AP	Fall	0.003	40.9	GOOD
LE5.5	PROCAR_C	BP	Fall	0.003	41.1	GOOD
LE5.5	PROCAR_C	AP	SAV1	0.005	39.2	GOOD
LE5.5	PROCAR_C	BP	SAV1	0.007	40.7	GOOD
LE5.5	PROCAR_C	AP	SAV2	0.005	35.9	GOOD
LE5.5	PROCAR_C	BP	SAV2	0.004	37.8	GOOD
LE5.5	PROCAR_C	AP	Spring1	0.009	42.1	GOOD
LE5.5	PROCAR_C	BP	Spring1	0.006	42.3	GOOD
LE5.5	PROCAR_C	AP	Spring2	0.006	38.6	GOOD
LE5.5	PROCAR_C	BP	Spring2	0.005	39.8	GOOD
LE5.5	PROCAR_C	AP	Summer1	0.004	33.3	GOOD
LE5.5	PROCAR_C	BP	Summer1	0.003	36.8	GOOD
LE5.5	PROCAR_C	AP	Summer2	0.004	32.9	GOOD
LE5.5	PROCAR_C	BP	Summer2	0.003	36.8	GOOD
LE5.5	PROCAR_C	AP	Winter	0.003	44.1	FAIR
LE5.5	PROCAR_C	BP	Winter	0.009	45.0	FAIR
SBE5	TOTBMASS	AP	Annual	154140000	10.1	POOR
SBE5	TOTBMASS	BP	Annual	120790000	13.8	POOR
SBE5	TOTBMASS	AP	Fall	101460000	15.4	POOR
SBE5	TOTBMASS	BP	Fall	102410000	28.9	POOR
SBE5	TOTBMASS	AP	SAV1	120920000	9.8	POOR
SBE5	TOTBMASS	BP	SAV1	104010000	15.2	POOR
SBE5	TOTBMASS	AP	SAV2	151830000	6.8	POOR
SBE5	TOTBMASS	BP	SAV2	105610000	6.6	POOR
SBE5	TOTBMASS	AP	Spring1	101060000	3.4	POOR
SBE5	TOTBMASS	BP	Spring1	124230000	3.9	POOR
SBE5	TOTBMASS	AP	Spring2	140770000	2.9	POOR
SBE5	TOTBMASS	BP	Spring2	117420000	3.6	POOR
SBE5	TOTBMASS	AP	Summer1	217650000	7.7	POOR
SBE5	TOTBMASS	BP	Summer1	136950000	8.8	POOR
SBE5	TOTBMASS	AP	Summer2	212300000	10.1	POOR
SBE5	TOTBMASS	BP	Summer2	103460000	8.2	POOR
SBE5	TOTBMASS	AP	Winter	237440000	14.5	POOR
SBE5	TOTBMASS	BP	Winter	250320000	13.1	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
SBE5	RATIO	AP	Annual	32.89	12.0	POOR
SBE5	RATIO	BP	Annual	29.01	8.9	POOR
SBE5	RATIO	AP	Fall	27.98	17.0	POOR
SBE5	RATIO	BP	Fall	38.99	23.4	POOR
SBE5	RATIO	AP	SAV1	30.75	12.4	POOR
SBE5	RATIO	BP	SAV1	25.18	8.5	POOR
SBE5	RATIO	AP	SAV2	28.44	8.0	POOR
SBE5	RATIO	BP	SAV2	27.98	5.7	POOR
SBE5	RATIO	AP	Spring1	26.64	5.5	POOR
SBE5	RATIO	BP	Spring1	25.39	4.2	POOR
SBE5	RATIO	AP	Spring2	24.84	3.1	POOR
SBE5	RATIO	BP	Spring2	26.26	2.5	POOR
SBE5	RATIO	AP	Summer1	36.09	10.0	POOR
SBE5	RATIO	BP	Summer1	28.64	5.2	POOR
SBE5	RATIO	AP	Summer2	36.63	14.3	POOR
SBE5	RATIO	BP	Summer2	28.44	7.6	POOR
SBE5	RATIO	AP	Winter	47.35	20.4	POOR
SBE5	RATIO	BP	Winter	36.76	10.1	POOR
SBE5	MARGALEF	AP	Annual	2.08	78.1	POOR
SBE5	MARGALEF	BP	Annual	2.09	73.2	POOR
SBE5	MARGALEF	AP	Fall	2.15	92.4	POOR
SBE5	MARGALEF	BP	Fall	1.98	73.9	POOR
SBE5	MARGALEF	AP	SAV1	2.12	90.6	POOR
SBE5	MARGALEF	BP	SAV1	1.89	64.3	POOR
SBE5	MARGALEF	AP	SAV2	1.97	76.2	POOR
SBE5	MARGALEF	BP	SAV2	2.07	79.6	POOR
SBE5	MARGALEF	AP	Spring1	2.18	92.7	POOR
SBE5	MARGALEF	BP	Spring1	2.02	71.3	POOR
SBE5	MARGALEF	AP	Spring2	1.99	84.2	POOR
SBE5	MARGALEF	BP	Spring2	2.07	85.7	POOR
SBE5	MARGALEF	AP	Summer1	1.94	58.8	POOR
SBE5	MARGALEF	BP	Summer1	2.09	77.1	POOR
SBE5	MARGALEF	AP	Summer2	1.91	54.6	FAIR
SBE5	MARGALEF	BP	Summer2	2.08	72.4	POOR
SBE5	MARGALEF	AP	Winter	2.06	46.3	FAIR
SBE5	MARGALEF	BP	Winter	2.46	67.8	POOR
SBE5	DIATOM	AP	Annual	2403129	50.3	FAIR
SBE5	DIATOM	BP	Annual	1784495	44.7	FAIR
SBE5	DIATOM	AP	Fall	2096345	57.5	FAIR
SBE5	DIATOM	BP	Fall	1222528	40.6	POOR
SBE5	DIATOM	AP	SAV1	1902963	35.1	POOR
SBE5	DIATOM	BP	SAV1	1182541	23.6	POOR
SBE5	DIATOM	AP	SAV2	2522624	49.5	FAIR
SBE5	DIATOM	BP	SAV2	1820416	50.3	FAIR
SBE5	DIATOM	AP	Spring1	1699456	17.8	POOR
SBE5	DIATOM	BP	Spring1	1142554	7.5	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
SBE5	DIATOM	AP	Spring2	1748966	28.4	POOR
SBE5	DIATOM	BP	Spring2	1589484	33.5	POOR
SBE5	DIATOM	AP	Summer1	3008183	65.7	GOOD
SBE5	DIATOM	BP	Summer1	2853577	79.0	GOOD
SBE5	DIATOM	AP	Summer2	2809088	60.6	GOOD
SBE5	DIATOM	BP	Summer2	2053786	65.2	GOOD
SBE5	DIATOM	AP	Winter	3569896	59.5	GOOD
SBE5	DIATOM	BP	Winter	6011586	68.6	GOOD
SBE5	DIATOM_C	AP	Annual	121660000	46.3	FAIR
SBE5	DIATOM_C	BP	Annual	76273066	37.2	POOR
SBE5	DIATOM_C	AP	Fall	67089951	53.5	FAIR
SBE5	DIATOM_C	BP	Fall	52601490	46.5	FAIR
SBE5	DIATOM_C	AP	SAV1	73948949	39.8	POOR
SBE5	DIATOM_C	BP	SAV1	53448439	30.2	POOR
SBE5	DIATOM_C	AP	SAV2	124210000	45.7	FAIR
SBE5	DIATOM_C	BP	SAV2	70431483	36.7	POOR
SBE5	DIATOM_C	AP	Spring1	67600577	21.2	POOR
SBE5	DIATOM_C	BP	Spring1	59168082	6.3	POOR
SBE5	DIATOM_C	AP	Spring2	86626120	36.0	POOR
SBE5	DIATOM_C	BP	Spring2	59168082	7.8	POOR
SBE5	DIATOM_C	AP	Summer1	163420000	47.5	FAIR
SBE5	DIATOM_C	BP	Summer1	89999042	41.7	POOR
SBE5	DIATOM_C	AP	Summer2	153540000	46.0	FAIR
SBE5	DIATOM_C	BP	Summer2	70431483	43.7	FAIR
SBE5	DIATOM_C	AP	Winter	157400000	25.1	POOR
SBE5	DIATOM_C	BP	Winter	219560000	22.4	POOR
SBE5	DINOFLG	AP	Annual	61580	12.8	GOOD
SBE5	DINOFLG	BP	Annual	18862	18.6	GOOD
SBE5	DINOFLG	AP	Fall	55296	28.1	GOOD
SBE5	DINOFLG	BP	Fall	10400	30.0	GOOD
SBE5	DINOFLG	AP	SAV1	48640	17.4	GOOD
SBE5	DINOFLG	BP	SAV1	13037	18.7	GOOD
SBE5	DINOFLG	AP	SAV2	55296	13.4	GOOD
SBE5	DINOFLG	BP	SAV2	16858	19.2	GOOD
SBE5	DINOFLG	AP	Spring1	1088	0.0	GOOD
SBE5	DINOFLG	BP	Spring1	15904	2.0	GOOD
SBE5	DINOFLG	AP	Spring2	2048	0.0	GOOD
SBE5	DINOFLG	BP	Spring2	15904	3.7	GOOD
SBE5	DINOFLG	AP	Summer1	131533	14.4	GOOD
SBE5	DINOFLG	BP	Summer1	56052	37.1	GOOD
SBE5	DINOFLG	AP	Summer2	97818	13.1	GOOD
SBE5	DINOFLG	BP	Summer2	63400	44.7	FAIR
SBE5	DINOFLG	AP	Winter	101235	4.8	GOOD
SBE5	DINOFLG	BP	Winter	15425	2.9	GOOD
SBE5	DINOFL_C	AP	Annual	3702419	37.1	GOOD
SBE5	DINOFL_C	BP	Annual	3170358	54.5	FAIR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
SBE5	DINOFL_C	AP	Fall	1914778	45.8	FAIR
SBE5	DINOFL_C	BP	Fall	3152429	66.9	POOR
SBE5	DINOFL_C	AP	SAV1	1947523	38.7	GOOD
SBE5	DINOFL_C	BP	SAV1	1114794	49.5	FAIR
SBE5	DINOFL_C	AP	SAV2	3109831	29.1	GOOD
SBE5	DINOFL_C	BP	SAV2	3188287	51.9	FAIR
SBE5	DINOFL_C	AP	Spring1	374634	20.8	GOOD
SBE5	DINOFL_C	BP	Spring1	845212	34.6	GOOD
SBE5	DINOFL_C	AP	Spring2	833303	13.6	GOOD
SBE5	DINOFL_C	BP	Spring2	1413113	37.8	GOOD
SBE5	DINOFL_C	AP	Summer1	9509249	23.8	GOOD
SBE5	DINOFL_C	BP	Summer1	11390854	60.6	POOR
SBE5	DINOFL_C	AP	Summer2	6569294	24.9	GOOD
SBE5	DINOFL_C	BP	Summer2	12792753	63.5	POOR
SBE5	DINOFL_C	AP	Winter	50345590	69.0	POOR
SBE5	DINOFL_C	BP	Winter	3595405	44.8	FAIR
SBE5	CYANO	AP	Annual	625920	59.9	POOR
SBE5	CYANO	BP	Annual	612813	65.9	POOR
SBE5	CYANO	AP	Fall	232832	65.7	POOR
SBE5	CYANO	BP	Fall	228564	69.1	POOR
SBE5	CYANO	AP	SAV1	524928	61.3	POOR
SBE5	CYANO	BP	SAV1	748528	70.0	POOR
SBE5	CYANO	AP	SAV2	671104	40.6	GOOD
SBE5	CYANO	BP	SAV2	685798	54.5	FAIR
SBE5	CYANO	AP	Spring1	1081984	68.0	POOR
SBE5	CYANO	BP	Spring1	766976	71.1	POOR
SBE5	CYANO	AP	Spring2	844058	47.3	FAIR
SBE5	CYANO	BP	Spring2	671048	55.0	FAIR
SBE5	CYANO	AP	Summer1	669376	22.4	GOOD
SBE5	CYANO	BP	Summer1	612813	43.9	FAIR
SBE5	CYANO	AP	Summer2	671104	17.9	GOOD
SBE5	CYANO	BP	Summer2	685798	45.5	FAIR
SBE5	CYANO	AP	Winter	475712	70.0	POOR
SBE5	CYANO	BP	Winter	324817	70.9	POOR
SBE5	CYANO_C	AP	Annual	2944245	54.0	FAIR
SBE5	CYANO_C	BP	Annual	2750458	59.3	POOR
SBE5	CYANO_C	AP	Fall	1101158	63.6	POOR
SBE5	CYANO_C	BP	Fall	1655567	68.3	POOR
SBE5	CYANO_C	AP	SAV1	2181482	55.1	FAIR
SBE5	CYANO_C	BP	SAV1	2732679	64.4	POOR
SBE5	CYANO_C	AP	SAV2	2954227	39.0	GOOD
SBE5	CYANO_C	BP	SAV2	3244769	49.1	FAIR
SBE5	CYANO_C	AP	Spring1	2471546	55.3	FAIR
SBE5	CYANO_C	BP	Spring1	3534266	65.8	POOR
SBE5	CYANO_C	AP	Spring2	2515955	30.1	GOOD
SBE5	CYANO_C	BP	Spring2	2217756	42.3	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
SBE5	CYANO_C	AP	Summer1	3303348	31.5	GOOD
SBE5	CYANO_C	BP	Summer1	3104563	41.1	GOOD
SBE5	CYANO_C	AP	Summer2	3382565	37.4	GOOD
SBE5	CYANO_C	BP	Summer2	3244769	46.5	FAIR
SBE5	CYANO_C	AP	Winter	3070867	64.1	POOR
SBE5	CYANO_C	BP	Winter	2079082	63.7	POOR
SBE5	CHLORO	AP	Annual	42048	74.9	GOOD
SBE5	CHLORO	BP	Annual	94663	83.5	GOOD
SBE5	CHLORO	AP	Fall	6976	77.2	GOOD
SBE5	CHLORO	BP	Fall	27392	87.5	GOOD
SBE5	CHLORO	AP	SAV1	89664	80.9	GOOD
SBE5	CHLORO	BP	SAV1	64742	80.4	GOOD
SBE5	CHLORO	AP	SAV2	68480	72.5	GOOD
SBE5	CHLORO	BP	SAV2	110336	79.6	GOOD
SBE5	CHLORO	AP	Spring1	95872	71.7	GOOD
SBE5	CHLORO	BP	Spring1	117180	77.4	GOOD
SBE5	CHLORO	AP	Spring2	68480	59.7	GOOD
SBE5	CHLORO	BP	Spring2	117180	72.0	GOOD
SBE5	CHLORO	AP	Summer1	38259	66.5	GOOD
SBE5	CHLORO	BP	Summer1	113587	81.1	GOOD
SBE5	CHLORO	AP	Summer2	83456	75.3	GOOD
SBE5	CHLORO	BP	Summer2	116838	81.4	GOOD
SBE5	CHLORO	AP	Winter	24043	73.9	GOOD
SBE5	CHLORO	BP	Winter	83328	86.7	GOOD
SBE5	CHLORO_C	AP	Annual	1369915	82.3	GOOD
SBE5	CHLORO_C	BP	Annual	2429871	87.9	GOOD
SBE5	CHLORO_C	AP	Fall	488551	84.7	GOOD
SBE5	CHLORO_C	BP	Fall	1114580	91.1	GOOD
SBE5	CHLORO_C	AP	SAV1	2865831	84.2	GOOD
SBE5	CHLORO_C	BP	SAV1	2516991	86.7	GOOD
SBE5	CHLORO_C	AP	SAV2	1852967	81.5	GOOD
SBE5	CHLORO_C	BP	SAV2	3419860	87.0	GOOD
SBE5	CHLORO_C	AP	Spring1	3777410	76.8	GOOD
SBE5	CHLORO_C	BP	Spring1	3175584	81.5	GOOD
SBE5	CHLORO_C	AP	Spring2	2004410	73.9	GOOD
SBE5	CHLORO_C	BP	Spring2	2468574	79.6	GOOD
SBE5	CHLORO_C	AP	Summer1	1387029	83.6	GOOD
SBE5	CHLORO_C	BP	Summer1	5018426	90.8	GOOD
SBE5	CHLORO_C	AP	Summer2	1852967	83.5	GOOD
SBE5	CHLORO_C	BP	Summer2	6833374	90.9	GOOD
SBE5	CHLORO_C	AP	Winter	711168	84.1	GOOD
SBE5	CHLORO_C	BP	Winter	2429871	85.3	GOOD
SBE5	PICO	AP	Annual	3616654	20.5	GOOD
SBE5	PICO	BP	Annual	3595500	21.0	GOOD
SBE5	PICO	AP	Fall	3482182	8.3	GOOD
SBE5	PICO	BP	Fall	2560000	7.1	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
SBE5	PICO	AP	SAV1	3311091	21.0	GOOD
SBE5	PICO	BP	SAV1	2689500	17.9	GOOD
SBE5	PICO	AP	SAV2	45920000	45.5	FAIR
SBE5	PICO	BP	SAV2	39680000	47.0	FAIR
SBE5	PICO	AP	Spring1	1900000	37.0	GOOD
SBE5	PICO	BP	Spring1	2112000	35.9	GOOD
SBE5	PICO	AP	Spring2	11040000	48.5	FAIR
SBE5	PICO	BP	Spring2	10640000	50.8	FAIR
SBE5	PICO	AP	Summer1	104540000	27.4	GOOD
SBE5	PICO	BP	Summer1	92880000	30.2	GOOD
SBE5	PICO	AP	Summer2	97980952	28.7	GOOD
SBE5	PICO	BP	Summer2	86240000	31.1	GOOD
SBE5	PICO	AP	Winter	1753280	33.7	GOOD
SBE5	PICO	BP	Winter	2824500	53.9	FAIR
SBE5	PICO_C	AP	Annual	5424980	20.5	GOOD
SBE5	PICO_C	BP	Annual	5393250	21.0	GOOD
SBE5	PICO_C	AP	Fall	5223273	8.3	GOOD
SBE5	PICO_C	BP	Fall	3840000	7.1	GOOD
SBE5	PICO_C	AP	SAV1	4966637	21.0	GOOD
SBE5	PICO_C	BP	SAV1	4034250	17.9	GOOD
SBE5	PICO_C	AP	SAV2	68880000	45.5	FAIR
SBE5	PICO_C	BP	SAV2	59520000	47.0	FAIR
SBE5	PICO_C	AP	Spring1	2850000	37.0	GOOD
SBE5	PICO_C	BP	Spring1	3168000	35.9	GOOD
SBE5	PICO_C	AP	Spring2	16560000	48.5	FAIR
SBE5	PICO_C	BP	Spring2	15960000	50.8	FAIR
SBE5	PICO_C	AP	Summer1	156810000	27.4	GOOD
SBE5	PICO_C	BP	Summer1	139320000	30.2	GOOD
SBE5	PICO_C	AP	Summer2	146970000	28.7	GOOD
SBE5	PICO_C	BP	Summer2	129360000	31.1	GOOD
SBE5	PICO_C	AP	Winter	2629920	33.7	GOOD
SBE5	PICO_C	BP	Winter	4236750	53.9	FAIR
SBE5	PROCAR_C	AP	Annual	0.018	30.3	GOOD
SBE5	PROCAR_C	BP	Annual	0.023	32.1	GOOD
SBE5	PROCAR_C	AP	Fall	0.016	33.5	GOOD
SBE5	PROCAR_C	BP	Fall	0.026	36.2	GOOD
SBE5	PROCAR_C	AP	SAV1	0.020	31.3	GOOD
SBE5	PROCAR_C	BP	SAV1	0.028	33.9	GOOD
SBE5	PROCAR_C	AP	SAV2	0.020	27.9	GOOD
SBE5	PROCAR_C	BP	SAV2	0.025	29.3	GOOD
SBE5	PROCAR_C	AP	Spring1	0.027	32.3	GOOD
SBE5	PROCAR_C	BP	Spring1	0.029	33.9	GOOD
SBE5	PROCAR_C	AP	Spring2	0.018	27.8	GOOD
SBE5	PROCAR_C	BP	Spring2	0.025	30.0	GOOD
SBE5	PROCAR_C	AP	Summer1	0.019	26.3	GOOD
SBE5	PROCAR_C	BP	Summer1	0.020	27.1	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
SBE5	PROCAR_C	AP	Summer2	0.024	27.7	GOOD
SBE5	PROCAR_C	BP	Summer2	0.023	27.9	GOOD
SBE5	PROCAR_C	AP	Winter	0.008	30.6	GOOD
SBE5	PROCAR_C	BP	Winter	0.009	34.2	GOOD
TF4.2	TOTBMASS	AP	Annual	189080000	15.7	POOR
TF4.2	TOTBMASS	BP	Annual	266330000	26.2	POOR
TF4.2	TOTBMASS	AP	Fall	149520000	23.1	POOR
TF4.2	TOTBMASS	BP	Fall	257250000	41.5	POOR
TF4.2	TOTBMASS	AP	SAV1	146820000	11.5	POOR
TF4.2	TOTBMASS	BP	SAV1	247810000	25.8	POOR
TF4.2	TOTBMASS	AP	SAV2	217290000	12.3	POOR
TF4.2	TOTBMASS	BP	SAV2	346340000	16.0	POOR
TF4.2	TOTBMASS	AP	Spring1	85975833	5.9	POOR
TF4.2	TOTBMASS	BP	Spring1	84211011	5.7	POOR
TF4.2	TOTBMASS	AP	Spring2	181360000	8.0	POOR
TF4.2	TOTBMASS	BP	Spring2	238370000	10.0	POOR
TF4.2	TOTBMASS	AP	Summer1	432470000	20.9	POOR
TF4.2	TOTBMASS	BP	Summer1	463110000	18.7	POOR
TF4.2	TOTBMASS	AP	Summer2	452770000	22.7	POOR
TF4.2	TOTBMASS	BP	Summer2	422220000	19.2	POOR
TF4.2	TOTBMASS	AP	Winter	174720000	19.3	POOR
TF4.2	TOTBMASS	BP	Winter	171080000	38.7	POOR
TF4.2	RATIO	AP	Annual	45.57	24.2	POOR
TF4.2	RATIO	BP	Annual	37.63	20.9	POOR
TF4.2	RATIO	AP	Fall	46.12	31.4	POOR
TF4.2	RATIO	BP	Fall	42.29	29.0	POOR
TF4.2	RATIO	AP	SAV1	48.60	23.0	POOR
TF4.2	RATIO	BP	SAV1	36.53	18.8	POOR
TF4.2	RATIO	AP	SAV2	48.08	27.4	POOR
TF4.2	RATIO	BP	SAV2	37.36	21.3	POOR
TF4.2	RATIO	AP	Spring1	44.78	17.7	POOR
TF4.2	RATIO	BP	Spring1	26.92	9.0	POOR
TF4.2	RATIO	AP	Spring2	44.71	17.5	POOR
TF4.2	RATIO	BP	Spring2	31.84	12.3	POOR
TF4.2	RATIO	AP	Summer1	49.57	32.7	POOR
TF4.2	RATIO	BP	Summer1	36.06	23.3	POOR
TF4.2	RATIO	AP	Summer2	55.06	41.3	FAIR
TF4.2	RATIO	BP	Summer2	37.36	29.0	POOR
TF4.2	RATIO	AP	Winter	36.62	10.8	POOR
TF4.2	RATIO	BP	Winter	32.81	22.8	POOR
TF4.2	MARGALEF	AP	Annual	1.83	32.5	GOOD
TF4.2	MARGALEF	BP	Annual	1.69	24.7	GOOD
TF4.2	MARGALEF	AP	Fall	1.65	34.0	GOOD
TF4.2	MARGALEF	BP	Fall	1.53	24.3	GOOD
TF4.2	MARGALEF	AP	SAV1	1.80	34.7	GOOD
TF4.2	MARGALEF	BP	SAV1	1.66	27.5	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
TF4.2	MARGALEF	AP	SAV2	1.84	26.9	GOOD
TF4.2	MARGALEF	BP	SAV2	1.75	20.2	GOOD
TF4.2	MARGALEF	AP	Spring1	1.43	12.1	GOOD
TF4.2	MARGALEF	BP	Spring1	1.68	32.3	GOOD
TF4.2	MARGALEF	AP	Spring2	1.71	18.3	GOOD
TF4.2	MARGALEF	BP	Spring2	1.68	23.2	GOOD
TF4.2	MARGALEF	AP	Summer1	2.14	36.2	GOOD
TF4.2	MARGALEF	BP	Summer1	1.98	21.9	GOOD
TF4.2	MARGALEF	AP	Summer2	2.17	34.8	GOOD
TF4.2	MARGALEF	BP	Summer2	2.16	31.2	GOOD
TF4.2	MARGALEF	AP	Winter	1.98	47.0	FAIR
TF4.2	MARGALEF	BP	Winter	1.73	37.5	GOOD
TF4.2	DIATOM	AP	Annual	1463985	19.9	POOR
TF4.2	DIATOM	BP	Annual	2090609	28.1	POOR
TF4.2	DIATOM	AP	Fall	1320251	29.5	POOR
TF4.2	DIATOM	BP	Fall	2365041	42.1	FAIR
TF4.2	DIATOM	AP	SAV1	1010569	9.9	POOR
TF4.2	DIATOM	BP	SAV1	1965312	23.0	POOR
TF4.2	DIATOM	AP	SAV2	1797632	19.0	POOR
TF4.2	DIATOM	BP	SAV2	2654436	27.4	POOR
TF4.2	DIATOM	AP	Spring1	759386	4.9	POOR
TF4.2	DIATOM	BP	Spring1	1045504	8.3	POOR
TF4.2	DIATOM	AP	Spring2	870912	5.6	POOR
TF4.2	DIATOM	BP	Spring2	1967799	16.5	POOR
TF4.2	DIATOM	AP	Summer1	4625112	53.6	FAIR
TF4.2	DIATOM	BP	Summer1	3965568	45.0	FAIR
TF4.2	DIATOM	AP	Summer2	5336542	59.6	GOOD
TF4.2	DIATOM	BP	Summer2	4345856	50.0	FAIR
TF4.2	DIATOM	AP	Winter	1551373	28.1	POOR
TF4.2	DIATOM	BP	Winter	1864766	43.5	FAIR
TF4.2	DIATOM_C	AP	Annual	127790000	32.1	POOR
TF4.2	DIATOM_C	BP	Annual	178540000	29.4	POOR
TF4.2	DIATOM_C	AP	Fall	112970000	51.6	FAIR
TF4.2	DIATOM_C	BP	Fall	134840000	38.8	POOR
TF4.2	DIATOM_C	AP	SAV1	115900000	24.3	POOR
TF4.2	DIATOM_C	BP	SAV1	139330000	25.7	POOR
TF4.2	DIATOM_C	AP	SAV2	177400000	16.9	POOR
TF4.2	DIATOM_C	BP	SAV2	248620000	21.8	POOR
TF4.2	DIATOM_C	AP	Spring1	73737999	10.8	POOR
TF4.2	DIATOM_C	BP	Spring1	57027280	7.0	POOR
TF4.2	DIATOM_C	AP	Spring2	118830000	8.7	POOR
TF4.2	DIATOM_C	BP	Spring2	171820000	12.6	POOR
TF4.2	DIATOM_C	AP	Summer1	230900000	22.5	POOR
TF4.2	DIATOM_C	BP	Summer1	249540000	20.7	POOR
TF4.2	DIATOM_C	AP	Summer2	245040000	26.2	POOR
TF4.2	DIATOM_C	BP	Summer2	248620000	24.9	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
TF4.2	DIATOM_C	AP	Winter	105610000	18.7	POOR
TF4.2	DIATOM_C	BP	Winter	123250000	43.9	FAIR
TF4.2	DINOFLG	AP	Annual	1024	65.4	POOR
TF4.2	DINOFLG	BP	Annual	256	55.9	POOR
TF4.2	DINOFLG	AP	Fall	896	85.4	POOR
TF4.2	DINOFLG	BP	Fall	256	70.9	POOR
TF4.2	DINOFLG	AP	SAV1	256	64.0	POOR
TF4.2	DINOFLG	BP	SAV1	320	59.1	POOR
TF4.2	DINOFLG	AP	SAV2	2048	63.4	POOR
TF4.2	DINOFLG	BP	SAV2	512	54.6	FAIR
TF4.2	DINOFLG	AP	Spring1	0	15.6	GOOD
TF4.2	DINOFLG	BP	Spring1	128	54.0	FAIR
TF4.2	DINOFLG	AP	Spring2	2048	56.5	FAIR
TF4.2	DINOFLG	BP	Spring2	256	54.4	FAIR
TF4.2	DINOFLG	AP	Summer1	14421	63.4	POOR
TF4.2	DINOFLG	BP	Summer1	608	49.0	FAIR
TF4.2	DINOFLG	AP	Summer2	2560	52.8	FAIR
TF4.2	DINOFLG	BP	Summer2	1024	45.5	FAIR
TF4.2	DINOFLG	AP	Winter	640	50.7	FAIR
TF4.2	DINOFLG	BP	Winter	256	51.5	FAIR
TF4.2	DINOFL_C	AP	Annual	244416	77.7	POOR
TF4.2	DINOFL_C	BP	Annual	184643	80.2	POOR
TF4.2	DINOFL_C	AP	Fall	218194	92.2	POOR
TF4.2	DINOFL_C	BP	Fall	256389	90.2	POOR
TF4.2	DINOFL_C	AP	SAV1	54548	79.4	POOR
TF4.2	DINOFL_C	BP	SAV1	145973	80.5	POOR
TF4.2	DINOFL_C	AP	SAV2	610620	75.2	POOR
TF4.2	DINOFL_C	BP	SAV2	212813	77.5	POOR
TF4.2	DINOFL_C	AP	Spring1	0	20.2	GOOD
TF4.2	DINOFL_C	BP	Spring1	60168	81.5	POOR
TF4.2	DINOFL_C	AP	Spring2	418061	75.0	POOR
TF4.2	DINOFL_C	BP	Spring2	156474	81.3	POOR
TF4.2	DINOFL_C	AP	Summer1	1795148	70.2	POOR
TF4.2	DINOFL_C	BP	Summer1	229432	70.1	POOR
TF4.2	DINOFL_C	AP	Summer2	1627756	67.9	POOR
TF4.2	DINOFL_C	BP	Summer2	258399	66.5	POOR
TF4.2	DINOFL_C	AP	Winter	144919	67.1	POOR
TF4.2	DINOFL_C	BP	Winter	68867	68.8	POOR
TF4.2	CYANO	AP	Annual	1340301	55.5	FAIR
TF4.2	CYANO	BP	Annual	1485528	57.0	POOR
TF4.2	CYANO	AP	Fall	477906	52.6	FAIR
TF4.2	CYANO	BP	Fall	477389	52.8	FAIR
TF4.2	CYANO	AP	SAV1	745868	50.7	FAIR
TF4.2	CYANO	BP	SAV1	1328360	59.4	POOR
TF4.2	CYANO	AP	SAV2	1361598	34.6	GOOD
TF4.2	CYANO	BP	SAV2	2453606	46.4	FAIR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
TF4.2	CYANO	AP	Spring1	766976	60.4	POOR
TF4.2	CYANO	BP	Spring1	1159083	65.0	POOR
TF4.2	CYANO	AP	Spring2	1510120	49.1	FAIR
TF4.2	CYANO	BP	Spring2	1461926	54.5	FAIR
TF4.2	CYANO	AP	Summer1	2084343	20.9	GOOD
TF4.2	CYANO	BP	Summer1	2833587	29.9	GOOD
TF4.2	CYANO	AP	Summer2	1344282	10.8	GOOD
TF4.2	CYANO	BP	Summer2	3213568	17.3	GOOD
TF4.2	CYANO	AP	Winter	1790923	77.0	POOR
TF4.2	CYANO	BP	Winter	2384571	78.1	POOR
TF4.2	CYANO_C	AP	Annual	4475138	50.9	FAIR
TF4.2	CYANO_C	BP	Annual	7088681	55.6	POOR
TF4.2	CYANO_C	AP	Fall	3581264	58.7	POOR
TF4.2	CYANO_C	BP	Fall	6199235	67.9	POOR
TF4.2	CYANO_C	AP	SAV1	2925558	50.2	FAIR
TF4.2	CYANO_C	BP	SAV1	6132742	58.0	POOR
TF4.2	CYANO_C	AP	SAV2	4562763	37.0	GOOD
TF4.2	CYANO_C	BP	SAV2	6066250	43.2	GOOD
TF4.2	CYANO_C	AP	Spring1	2439138	53.9	FAIR
TF4.2	CYANO_C	BP	Spring1	4119757	57.1	POOR
TF4.2	CYANO_C	AP	Spring2	3808932	42.6	FAIR
TF4.2	CYANO_C	BP	Spring2	4119757	46.2	FAIR
TF4.2	CYANO_C	AP	Summer1	6749491	20.0	GOOD
TF4.2	CYANO_C	BP	Summer1	9014627	27.1	GOOD
TF4.2	CYANO_C	AP	Summer2	6212819	16.4	GOOD
TF4.2	CYANO_C	BP	Summer2	8800082	25.4	GOOD
TF4.2	CYANO_C	AP	Winter	7771850	70.0	POOR
TF4.2	CYANO_C	BP	Winter	10748451	67.9	POOR
TF4.2	CHLORO	AP	Annual	211718	41.2	POOR
TF4.2	CHLORO	BP	Annual	289764	50.4	FAIR
TF4.2	CHLORO	AP	Fall	132516	50.3	FAIR
TF4.2	CHLORO	BP	Fall	159130	57.4	FAIR
TF4.2	CHLORO	AP	SAV1	111977	31.8	POOR
TF4.2	CHLORO	BP	SAV1	295267	52.0	FAIR
TF4.2	CHLORO	AP	SAV2	382054	34.1	POOR
TF4.2	CHLORO	BP	SAV2	416000	37.2	POOR
TF4.2	CHLORO	AP	Spring1	97685	29.9	POOR
TF4.2	CHLORO	BP	Spring1	172629	38.7	POOR
TF4.2	CHLORO	AP	Spring2	128192	22.7	POOR
TF4.2	CHLORO	BP	Spring2	277959	31.5	POOR
TF4.2	CHLORO	AP	Summer1	763183	37.9	POOR
TF4.2	CHLORO	BP	Summer1	487604	31.3	POOR
TF4.2	CHLORO	AP	Summer2	734541	33.3	POOR
TF4.2	CHLORO	BP	Summer2	416000	29.8	POOR
TF4.2	CHLORO	AP	Winter	256919	65.5	GOOD
TF4.2	CHLORO	BP	Winter	50604	41.8	FAIR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
TF4.2	CHLORO_C	AP	Annual	8385096	50.7	FAIR
TF4.2	CHLORO_C	BP	Annual	15441247	56.3	FAIR
TF4.2	CHLORO_C	AP	Fall	3545237	53.5	FAIR
TF4.2	CHLORO_C	BP	Fall	10858669	63.8	GOOD
TF4.2	CHLORO_C	AP	SAV1	3611918	43.2	POOR
TF4.2	CHLORO_C	BP	SAV1	9858653	52.4	FAIR
TF4.2	CHLORO_C	AP	SAV2	16187097	44.2	FAIR
TF4.2	CHLORO_C	BP	SAV2	22359562	47.5	FAIR
TF4.2	CHLORO_C	AP	Spring1	2064204	34.4	POOR
TF4.2	CHLORO_C	BP	Spring1	4172451	39.1	POOR
TF4.2	CHLORO_C	AP	Spring2	3678599	35.4	POOR
TF4.2	CHLORO_C	BP	Spring2	8441425	38.6	POOR
TF4.2	CHLORO_C	AP	Summer1	220020000	69.1	GOOD
TF4.2	CHLORO_C	BP	Summer1	45146010	55.3	FAIR
TF4.2	CHLORO_C	AP	Summer2	83448739	57.0	FAIR
TF4.2	CHLORO_C	BP	Summer2	47261519	52.7	FAIR
TF4.2	CHLORO_C	AP	Winter	5211160	64.7	GOOD
TF4.2	CHLORO_C	BP	Winter	5196688	61.0	GOOD
TF4.2	PICO	AP	Annual	14880000	46.0	FAIR
TF4.2	PICO	BP	Annual	13680000	48.6	FAIR
TF4.2	PICO	AP	Fall	6352000	21.4	GOOD
TF4.2	PICO	BP	Fall	3920000	15.2	GOOD
TF4.2	PICO	AP	SAV1	14880000	46.6	FAIR
TF4.2	PICO	BP	SAV1	13680000	50.7	FAIR
TF4.2	PICO	AP	SAV2	51520000	51.9	FAIR
TF4.2	PICO	BP	SAV2	67440000	65.1	POOR
TF4.2	PICO	AP	Spring1	6342000	37.9	GOOD
TF4.2	PICO	BP	Spring1	2605000	28.3	GOOD
TF4.2	PICO	AP	Spring2	28064000	45.4	FAIR
TF4.2	PICO	BP	Spring2	31280000	62.6	POOR
TF4.2	PICO	AP	Summer1	137270000	48.4	FAIR
TF4.2	PICO	BP	Summer1	108080000	47.5	FAIR
TF4.2	PICO	AP	Summer2	170080000	62.8	POOR
TF4.2	PICO	BP	Summer2	113440000	53.6	FAIR
TF4.2	PICO	AP	Winter	1256980	34.1	GOOD
TF4.2	PICO	BP	Winter	2016000	47.3	FAIR
TF4.2	PICO_C	AP	Annual	22320000	46.0	FAIR
TF4.2	PICO_C	BP	Annual	20520000	48.6	FAIR
TF4.2	PICO_C	AP	Fall	9528000	21.4	GOOD
TF4.2	PICO_C	BP	Fall	5880000	15.2	GOOD
TF4.2	PICO_C	AP	SAV1	22320000	46.6	FAIR
TF4.2	PICO_C	BP	SAV1	20520000	50.7	FAIR
TF4.2	PICO_C	AP	SAV2	77280000	51.9	FAIR
TF4.2	PICO_C	BP	SAV2	101160000	65.1	POOR
TF4.2	PICO_C	AP	Spring1	9513000	37.9	GOOD
TF4.2	PICO_C	BP	Spring1	3907500	28.3	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
TF4.2	PICO_C	AP	Spring2	42096000	45.4	FAIR
TF4.2	PICO_C	BP	Spring2	46920000	62.6	POOR
TF4.2	PICO_C	AP	Summer1	205910000	48.4	FAIR
TF4.2	PICO_C	BP	Summer1	162120000	47.5	FAIR
TF4.2	PICO_C	AP	Summer2	255120000	62.8	POOR
TF4.2	PICO_C	BP	Summer2	170160000	53.6	FAIR
TF4.2	PICO_C	AP	Winter	1885470	34.1	GOOD
TF4.2	PICO_C	BP	Winter	3024000	47.3	FAIR
TF4.2	PROCAR_C	AP	Annual	0.022	33.7	GOOD
TF4.2	PROCAR_C	BP	Annual	0.029	34.2	GOOD
TF4.2	PROCAR_C	AP	Fall	0.019	33.0	GOOD
TF4.2	PROCAR_C	BP	Fall	0.029	34.1	GOOD
TF4.2	PROCAR_C	AP	SAV1	0.019	34.1	GOOD
TF4.2	PROCAR_C	BP	SAV1	0.037	36.8	GOOD
TF4.2	PROCAR_C	AP	SAV2	0.020	31.7	GOOD
TF4.2	PROCAR_C	BP	SAV2	0.024	32.5	GOOD
TF4.2	PROCAR_C	AP	Spring1	0.025	34.9	GOOD
TF4.2	PROCAR_C	BP	Spring1	0.040	36.7	GOOD
TF4.2	PROCAR_C	AP	Spring2	0.023	35.3	GOOD
TF4.2	PROCAR_C	BP	Spring2	0.024	35.4	GOOD
TF4.2	PROCAR_C	AP	Summer1	0.019	29.0	GOOD
TF4.2	PROCAR_C	BP	Summer1	0.017	28.1	GOOD
TF4.2	PROCAR_C	AP	Summer2	0.018	27.6	GOOD
TF4.2	PROCAR_C	BP	Summer2	0.020	27.5	GOOD
TF4.2	PROCAR_C	AP	Winter	0.046	37.1	GOOD
TF4.2	PROCAR_C	BP	Winter	0.043	38.6	GOOD
RET4.3	TOTBMASS	AP	Annual	864680000	37.8	POOR
RET4.3	TOTBMASS	BP	Annual	825590000	46.6	FAIR
RET4.3	TOTBMASS	AP	Fall	839160000	57.3	FAIR
RET4.3	TOTBMASS	BP	Fall	411850000	52.2	FAIR
RET4.3	TOTBMASS	AP	SAV1	833520000	39.9	POOR
RET4.3	TOTBMASS	BP	SAV1	780440000	47.9	FAIR
RET4.3	TOTBMASS	AP	SAV2	788680000	28.4	POOR
RET4.3	TOTBMASS	BP	SAV2	899920000	42.3	FAIR
RET4.3	TOTBMASS	AP	Spring1	788680000	23.9	POOR
RET4.3	TOTBMASS	BP	Spring1	899920000	29.4	POOR
RET4.3	TOTBMASS	AP	Spring2	788680000	18.0	POOR
RET4.3	TOTBMASS	BP	Spring2	899920000	29.3	POOR
RET4.3	TOTBMASS	AP	Summer1	828550000	26.9	POOR
RET4.3	TOTBMASS	BP	Summer1	1055600000	47.6	FAIR
RET4.3	TOTBMASS	AP	Summer2	478390000	20.7	POOR
RET4.3	TOTBMASS	BP	Summer2	1024700000	51.0	FAIR
RET4.3	TOTBMASS	AP	Winter	1141600000	43.7	FAIR
RET4.3	TOTBMASS	BP	Winter	927220000	35.6	POOR
RET4.3	RATIO	AP	Annual	42.62	16.4	POOR
RET4.3	RATIO	BP	Annual	44.37	15.0	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
RET4.3	RATIO	AP	Fall	42.47	25.5	POOR
RET4.3	RATIO	BP	Fall	53.45	30.7	POOR
RET4.3	RATIO	AP	SAV1	39.55	16.4	POOR
RET4.3	RATIO	BP	SAV1	40.81	15.0	POOR
RET4.3	RATIO	AP	SAV2	33.62	10.0	POOR
RET4.3	RATIO	BP	SAV2	37.47	8.4	POOR
RET4.3	RATIO	AP	Spring1	44.43	11.1	POOR
RET4.3	RATIO	BP	Spring1	46.22	10.0	POOR
RET4.3	RATIO	AP	Spring2	38.71	6.1	POOR
RET4.3	RATIO	BP	Spring2	46.22	6.2	POOR
RET4.3	RATIO	AP	Summer1	26.76	6.7	POOR
RET4.3	RATIO	BP	Summer1	36.70	7.3	POOR
RET4.3	RATIO	AP	Summer2	26.48	9.6	POOR
RET4.3	RATIO	BP	Summer2	29.77	8.0	POOR
RET4.3	RATIO	AP	Winter	78.29	37.4	POOR
RET4.3	RATIO	BP	Winter	65.64	24.3	POOR
RET4.3	MARGALEF	AP	Annual	1.76	53.1	FAIR
RET4.3	MARGALEF	BP	Annual	1.84	54.0	FAIR
RET4.3	MARGALEF	AP	Fall	1.78	71.7	POOR
RET4.3	MARGALEF	BP	Fall	1.85	62.8	POOR
RET4.3	MARGALEF	AP	SAV1	1.76	70.4	POOR
RET4.3	MARGALEF	BP	SAV1	1.49	25.5	GOOD
RET4.3	MARGALEF	AP	SAV2	1.60	43.1	FAIR
RET4.3	MARGALEF	BP	SAV2	1.52	32.8	GOOD
RET4.3	MARGALEF	AP	Spring1	1.75	71.1	POOR
RET4.3	MARGALEF	BP	Spring1	1.40	19.0	GOOD
RET4.3	MARGALEF	AP	Spring2	1.74	67.2	POOR
RET4.3	MARGALEF	BP	Spring2	1.52	36.1	GOOD
RET4.3	MARGALEF	AP	Summer1	1.61	26.3	GOOD
RET4.3	MARGALEF	BP	Summer1	1.88	62.9	POOR
RET4.3	MARGALEF	AP	Summer2	1.60	26.4	GOOD
RET4.3	MARGALEF	BP	Summer2	1.61	39.1	GOOD
RET4.3	MARGALEF	AP	Winter	1.62	17.9	GOOD
RET4.3	MARGALEF	BP	Winter	2.25	55.8	FAIR
RET4.3	DIATOM	AP	Annual	8463009	87.1	GOOD
RET4.3	DIATOM	BP	Annual	11564200	93.7	GOOD
RET4.3	DIATOM	AP	Fall	11060503	94.8	GOOD
RET4.3	DIATOM	BP	Fall	6139443	91.4	GOOD
RET4.3	DIATOM	AP	SAV1	8463009	84.3	GOOD
RET4.3	DIATOM	BP	SAV1	11684162	92.7	GOOD
RET4.3	DIATOM	AP	SAV2	8947177	86.7	GOOD
RET4.3	DIATOM	BP	SAV2	13357056	95.5	GOOD
RET4.3	DIATOM	AP	Spring1	6555226	66.9	GOOD
RET4.3	DIATOM	BP	Spring1	11762893	86.8	GOOD
RET4.3	DIATOM	AP	Spring2	6555226	72.1	GOOD
RET4.3	DIATOM	BP	Spring2	9624412	87.4	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
RET4.3	DIATOM	AP	Summer1	15284035	96.1	GOOD
RET4.3	DIATOM	BP	Summer1	28000331	99.5	GOOD
RET4.3	DIATOM	AP	Summer2	16403692	96.3	GOOD
RET4.3	DIATOM	BP	Summer2	29460732	99.4	GOOD
RET4.3	DIATOM	AP	Winter	3759168	61.2	GOOD
RET4.3	DIATOM	BP	Winter	8965845	81.3	GOOD
RET4.3	DIATOM_C	AP	Annual	422820000	58.3	GOOD
RET4.3	DIATOM_C	BP	Annual	581390000	61.4	GOOD
RET4.3	DIATOM_C	AP	Fall	430520000	67.0	GOOD
RET4.3	DIATOM_C	BP	Fall	362250000	64.1	GOOD
RET4.3	DIATOM_C	AP	SAV1	560450000	60.0	GOOD
RET4.3	DIATOM_C	BP	SAV1	628930000	60.5	GOOD
RET4.3	DIATOM_C	AP	SAV2	409890000	56.5	FAIR
RET4.3	DIATOM_C	BP	SAV2	656330000	62.6	GOOD
RET4.3	DIATOM_C	AP	Spring1	531830000	49.5	FAIR
RET4.3	DIATOM_C	BP	Spring1	673740000	46.8	FAIR
RET4.3	DIATOM_C	AP	Spring2	375420000	50.4	FAIR
RET4.3	DIATOM_C	BP	Spring2	656330000	51.7	FAIR
RET4.3	DIATOM_C	AP	Summer1	391730000	55.7	FAIR
RET4.3	DIATOM_C	BP	Summer1	878280000	67.9	GOOD
RET4.3	DIATOM_C	AP	Summer2	409890000	56.1	FAIR
RET4.3	DIATOM_C	BP	Summer2	961470000	69.8	GOOD
RET4.3	DIATOM_C	AP	Winter	574430000	57.5	FAIR
RET4.3	DIATOM_C	BP	Winter	534070000	48.0	FAIR
RET4.3	DINOFLG	AP	Annual	301182	38.3	GOOD
RET4.3	DINOFLG	BP	Annual	133581	47.8	FAIR
RET4.3	DINOFLG	AP	Fall	301978	55.3	FAIR
RET4.3	DINOFLG	BP	Fall	4096	20.3	GOOD
RET4.3	DINOFLG	AP	SAV1	307123	47.0	FAIR
RET4.3	DINOFLG	BP	SAV1	5632	11.8	GOOD
RET4.3	DINOFLG	AP	SAV2	300387	41.0	GOOD
RET4.3	DINOFLG	BP	SAV2	134042	53.7	FAIR
RET4.3	DINOFLG	AP	Spring1	786492	48.4	FAIR
RET4.3	DINOFLG	BP	Spring1	134042	17.1	GOOD
RET4.3	DINOFLG	AP	Spring2	786492	49.7	FAIR
RET4.3	DINOFLG	BP	Spring2	199216	37.0	GOOD
RET4.3	DINOFLG	AP	Summer1	213696	23.4	GOOD
RET4.3	DINOFLG	BP	Summer1	155597	63.4	POOR
RET4.3	DINOFLG	AP	Summer2	33792	4.3	GOOD
RET4.3	DINOFLG	BP	Summer2	133120	62.2	POOR
RET4.3	DINOFLG	AP	Winter	467003	21.4	GOOD
RET4.3	DINOFLG	BP	Winter	522035	36.8	GOOD
RET4.3	DINOFL_C	AP	Annual	35999443	61.2	POOR
RET4.3	DINOFL_C	BP	Annual	6022791	59.8	POOR
RET4.3	DINOFL_C	AP	Fall	10961605	60.5	POOR
RET4.3	DINOFL_C	BP	Fall	2909243	66.5	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
RET4.3	DINOFL_C	AP	SAV1	44220388	67.2	POOR
RET4.3	DINOFL_C	BP	SAV1	2689281	56.5	FAIR
RET4.3	DINOFL_C	AP	SAV2	27073105	52.6	FAIR
RET4.3	DINOFL_C	BP	SAV2	4322685	54.7	FAIR
RET4.3	DINOFL_C	AP	Spring1	58364749	69.0	POOR
RET4.3	DINOFL_C	BP	Spring1	3289989	47.4	FAIR
RET4.3	DINOFL_C	AP	Spring2	30076026	52.1	FAIR
RET4.3	DINOFL_C	BP	Spring2	11796900	59.5	POOR
RET4.3	DINOFL_C	AP	Summer1	24461048	37.9	GOOD
RET4.3	DINOFL_C	BP	Summer1	41194660	72.6	POOR
RET4.3	DINOFL_C	AP	Summer2	16401889	36.6	GOOD
RET4.3	DINOFL_C	BP	Summer2	4322685	52.4	FAIR
RET4.3	DINOFL_C	AP	Winter	61040053	71.7	POOR
RET4.3	DINOFL_C	BP	Winter	102920000	74.6	POOR
RET4.3	CYANO	AP	Annual	2289920	70.2	POOR
RET4.3	CYANO	BP	Annual	2181149	75.0	POOR
RET4.3	CYANO	AP	Fall	2686604	80.0	POOR
RET4.3	CYANO	BP	Fall	811886	76.8	POOR
RET4.3	CYANO	AP	SAV1	2541417	73.2	POOR
RET4.3	CYANO	BP	SAV1	2181149	77.2	POOR
RET4.3	CYANO	AP	SAV2	2749139	60.6	POOR
RET4.3	CYANO	BP	SAV2	3117568	72.1	POOR
RET4.3	CYANO	AP	Spring1	2221575	73.1	POOR
RET4.3	CYANO	BP	Spring1	2349934	78.4	POOR
RET4.3	CYANO	AP	Spring2	2403540	64.7	POOR
RET4.3	CYANO	BP	Spring2	2349934	72.9	POOR
RET4.3	CYANO	AP	Summer1	2670596	50.0	FAIR
RET4.3	CYANO	BP	Summer1	4222881	72.0	POOR
RET4.3	CYANO	AP	Summer2	2804130	45.9	FAIR
RET4.3	CYANO	BP	Summer2	3505152	68.9	POOR
RET4.3	CYANO	AP	Winter	547456	70.9	POOR
RET4.3	CYANO	BP	Winter	1418691	78.5	POOR
RET4.3	CYANO_C	AP	Annual	9483676	60.1	POOR
RET4.3	CYANO_C	BP	Annual	14874833	67.4	POOR
RET4.3	CYANO_C	AP	Fall	9671773	72.8	POOR
RET4.3	CYANO_C	BP	Fall	7113789	74.2	POOR
RET4.3	CYANO_C	AP	SAV1	15005677	64.9	POOR
RET4.3	CYANO_C	BP	SAV1	14874833	71.8	POOR
RET4.3	CYANO_C	AP	SAV2	18821129	50.9	FAIR
RET4.3	CYANO_C	BP	SAV2	17877314	59.0	POOR
RET4.3	CYANO_C	AP	Spring1	5209149	59.1	POOR
RET4.3	CYANO_C	BP	Spring1	17143917	72.5	POOR
RET4.3	CYANO_C	AP	Spring2	13865085	42.3	FAIR
RET4.3	CYANO_C	BP	Spring2	17143917	55.4	FAIR
RET4.3	CYANO_C	AP	Summer1	24015623	45.3	FAIR
RET4.3	CYANO_C	BP	Summer1	25867181	54.7	FAIR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
RET4.3	CYANO_C	AP	Summer2	27673295	51.1	FAIR
RET4.3	CYANO_C	BP	Summer2	27256144	59.0	POOR
RET4.3	CYANO_C	AP	Winter	3186575	64.2	POOR
RET4.3	CYANO_C	BP	Winter	4907423	67.4	POOR
RET4.3	CHLORO	AP	Annual	578868	87.7	GOOD
RET4.3	CHLORO	BP	Annual	381124	89.0	GOOD
RET4.3	CHLORO	AP	Fall	986112	94.6	GOOD
RET4.3	CHLORO	BP	Fall	190976	93.1	GOOD
RET4.3	CHLORO	AP	SAV1	797286	89.5	GOOD
RET4.3	CHLORO	BP	SAV1	345437	88.3	GOOD
RET4.3	CHLORO	AP	SAV2	657408	85.3	GOOD
RET4.3	CHLORO	BP	SAV2	284848	84.6	GOOD
RET4.3	CHLORO	AP	Spring1	726630	83.6	GOOD
RET4.3	CHLORO	BP	Spring1	1090432	88.3	GOOD
RET4.3	CHLORO	AP	Spring2	657408	80.1	GOOD
RET4.3	CHLORO	BP	Spring2	1090432	87.6	GOOD
RET4.3	CHLORO	AP	Summer1	578868	85.7	GOOD
RET4.3	CHLORO	BP	Summer1	333825	86.4	GOOD
RET4.3	CHLORO	AP	Summer2	402637	84.4	GOOD
RET4.3	CHLORO	BP	Summer2	252314	85.3	GOOD
RET4.3	CHLORO	AP	Winter	344575	87.1	GOOD
RET4.3	CHLORO	BP	Winter	523002	92.2	GOOD
RET4.3	CHLORO_C	AP	Annual	10917617	88.2	GOOD
RET4.3	CHLORO_C	BP	Annual	7965113	90.6	GOOD
RET4.3	CHLORO_C	AP	Fall	10166989	91.8	GOOD
RET4.3	CHLORO_C	BP	Fall	3859926	93.3	GOOD
RET4.3	CHLORO_C	AP	SAV1	14570964	88.4	GOOD
RET4.3	CHLORO_C	BP	SAV1	6921491	89.3	GOOD
RET4.3	CHLORO_C	AP	SAV2	12350433	86.9	GOOD
RET4.3	CHLORO_C	BP	SAV2	7927652	89.0	GOOD
RET4.3	CHLORO_C	AP	Spring1	20601619	82.7	GOOD
RET4.3	CHLORO_C	BP	Spring1	99102822	90.6	GOOD
RET4.3	CHLORO_C	AP	Spring2	20601619	82.5	GOOD
RET4.3	CHLORO_C	BP	Spring2	99102822	90.1	GOOD
RET4.3	CHLORO_C	AP	Summer1	13355475	89.6	GOOD
RET4.3	CHLORO_C	BP	Summer1	8024789	91.7	GOOD
RET4.3	CHLORO_C	AP	Summer2	11668246	88.4	GOOD
RET4.3	CHLORO_C	BP	Summer2	4837444	90.3	GOOD
RET4.3	CHLORO_C	AP	Winter	6439126	89.7	GOOD
RET4.3	CHLORO_C	BP	Winter	11007585	89.0	GOOD
RET4.3	PICO	AP	Annual	17360000	48.3	FAIR
RET4.3	PICO	BP	Annual	17088000	48.6	FAIR
RET4.3	PICO	AP	Fall	18560000	41.8	GOOD
RET4.3	PICO	BP	Fall	24640000	57.9	FAIR
RET4.3	PICO	AP	SAV1	17360000	52.5	FAIR
RET4.3	PICO	BP	SAV1	17008000	52.5	FAIR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
RET4.3	PICO	AP	SAV2	62560000	52.6	FAIR
RET4.3	PICO	BP	SAV2	60480000	57.0	POOR
RET4.3	PICO	AP	Spring1	3118080	50.8	FAIR
RET4.3	PICO	BP	Spring1	3568000	52.6	FAIR
RET4.3	PICO	AP	Spring2	6720000	38.8	GOOD
RET4.3	PICO	BP	Spring2	4157000	31.3	GOOD
RET4.3	PICO	AP	Summer1	171770000	48.4	FAIR
RET4.3	PICO	BP	Summer1	147920000	48.9	FAIR
RET4.3	PICO	AP	Summer2	175680000	54.4	FAIR
RET4.3	PICO	BP	Summer2	212160000	68.7	POOR
RET4.3	PICO	AP	Winter	3117640	57.2	FAIR
RET4.3	PICO	BP	Winter	5120000	75.3	POOR
RET4.3	PICO_C	AP	Annual	26040000	48.3	FAIR
RET4.3	PICO_C	BP	Annual	25632000	48.6	FAIR
RET4.3	PICO_C	AP	Fall	27840000	41.8	GOOD
RET4.3	PICO_C	BP	Fall	36960000	57.9	FAIR
RET4.3	PICO_C	AP	SAV1	26040000	52.5	FAIR
RET4.3	PICO_C	BP	SAV1	25512000	52.5	FAIR
RET4.3	PICO_C	AP	SAV2	93840000	52.6	FAIR
RET4.3	PICO_C	BP	SAV2	90720000	57.0	POOR
RET4.3	PICO_C	AP	Spring1	4677120	50.8	FAIR
RET4.3	PICO_C	BP	Spring1	5352000	52.6	FAIR
RET4.3	PICO_C	AP	Spring2	10080000	38.8	GOOD
RET4.3	PICO_C	BP	Spring2	6235500	31.3	GOOD
RET4.3	PICO_C	AP	Summer1	257660000	48.4	FAIR
RET4.3	PICO_C	BP	Summer1	221880000	48.9	FAIR
RET4.3	PICO_C	AP	Summer2	263520000	54.4	FAIR
RET4.3	PICO_C	BP	Summer2	318240000	68.7	POOR
RET4.3	PICO_C	AP	Winter	4676460	57.2	FAIR
RET4.3	PICO_C	BP	Winter	7680000	75.3	POOR
RET4.3	PROCAR_C	AP	Annual	0.016	30.3	GOOD
RET4.3	PROCAR_C	BP	Annual	0.015	31.8	GOOD
RET4.3	PROCAR_C	AP	Fall	0.012	33.2	GOOD
RET4.3	PROCAR_C	BP	Fall	0.011	35.2	GOOD
RET4.3	PROCAR_C	AP	SAV1	0.020	31.3	GOOD
RET4.3	PROCAR_C	BP	SAV1	0.019	33.4	GOOD
RET4.3	PROCAR_C	AP	SAV2	0.023	28.0	GOOD
RET4.3	PROCAR_C	BP	SAV2	0.020	29.1	GOOD
RET4.3	PROCAR_C	AP	Spring1	0.007	31.5	GOOD
RET4.3	PROCAR_C	BP	Spring1	0.018	33.4	GOOD
RET4.3	PROCAR_C	AP	Spring2	0.022	27.9	GOOD
RET4.3	PROCAR_C	BP	Spring2	0.018	29.8	GOOD
RET4.3	PROCAR_C	AP	Summer1	0.024	26.4	GOOD
RET4.3	PROCAR_C	BP	Summer1	0.023	27.2	GOOD
RET4.3	PROCAR_C	AP	Summer2	0.029	27.9	GOOD
RET4.3	PROCAR_C	BP	Summer2	0.026	27.9	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
RET4.3	PROCAR_C	AP	Winter	0.006	30.5	GOOD
RET4.3	PROCAR_C	BP	Winter	0.004	34.1	GOOD
WE4.2	TOTBMASS	AP	Annual	425470000	36.7	POOR
WE4.2	TOTBMASS	BP	Annual	462000000	50.2	FAIR
WE4.2	TOTBMASS	AP	Fall	334920000	54.7	FAIR
WE4.2	TOTBMASS	BP	Fall	286390000	62.8	GOOD
WE4.2	TOTBMASS	AP	SAV1	327590000	28.1	POOR
WE4.2	TOTBMASS	BP	SAV1	398660000	43.5	FAIR
WE4.2	TOTBMASS	AP	SAV2	443130000	31.0	POOR
WE4.2	TOTBMASS	BP	SAV2	462000000	51.8	FAIR
WE4.2	TOTBMASS	AP	Spring1	425470000	18.2	POOR
WE4.2	TOTBMASS	BP	Spring1	489100000	22.5	POOR
WE4.2	TOTBMASS	AP	Spring2	439460000	21.4	POOR
WE4.2	TOTBMASS	BP	Spring2	683750000	44.7	FAIR
WE4.2	TOTBMASS	AP	Summer1	574290000	42.5	FAIR
WE4.2	TOTBMASS	BP	Summer1	514180000	68.3	GOOD
WE4.2	TOTBMASS	AP	Summer2	504410000	38.5	POOR
WE4.2	TOTBMASS	BP	Summer2	462000000	66.1	GOOD
WE4.2	TOTBMASS	AP	Winter	264830000	14.7	POOR
WE4.2	TOTBMASS	BP	Winter	466310000	27.1	POOR
WE4.2	RATIO	AP	Annual	62.64	21.7	POOR
WE4.2	RATIO	BP	Annual	76.48	29.3	POOR
WE4.2	RATIO	AP	Fall	67.95	37.6	POOR
WE4.2	RATIO	BP	Fall	67.36	38.0	POOR
WE4.2	RATIO	AP	SAV1	58.10	16.2	POOR
WE4.2	RATIO	BP	SAV1	72.78	23.7	POOR
WE4.2	RATIO	AP	SAV2	62.64	16.3	POOR
WE4.2	RATIO	BP	SAV2	71.54	23.3	POOR
WE4.2	RATIO	AP	Spring1	76.08	12.9	POOR
WE4.2	RATIO	BP	Spring1	97.46	19.1	POOR
WE4.2	RATIO	AP	Spring2	61.86	10.7	POOR
WE4.2	RATIO	BP	Spring2	97.46	24.3	POOR
WE4.2	RATIO	AP	Summer1	66.00	19.3	POOR
WE4.2	RATIO	BP	Summer1	74.01	29.9	POOR
WE4.2	RATIO	AP	Summer2	69.37	22.1	POOR
WE4.2	RATIO	BP	Summer2	48.75	15.8	POOR
WE4.2	RATIO	AP	Winter	53.12	12.8	POOR
WE4.2	RATIO	BP	Winter	49.31	18.4	POOR
WE4.2	MARGALEF	AP	Annual	2.73	65.1	POOR
WE4.2	MARGALEF	BP	Annual	2.68	58.1	POOR
WE4.2	MARGALEF	AP	Fall	2.54	44.8	FAIR
WE4.2	MARGALEF	BP	Fall	2.64	49.9	FAIR
WE4.2	MARGALEF	AP	SAV1	2.74	65.7	POOR
WE4.2	MARGALEF	BP	SAV1	2.72	59.0	POOR
WE4.2	MARGALEF	AP	SAV2	2.74	72.2	POOR
WE4.2	MARGALEF	BP	SAV2	2.58	57.8	FAIR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
WE4.2	MARGALEF	AP	Spring1	3.02	88.9	POOR
WE4.2	MARGALEF	BP	Spring1	3.02	82.2	POOR
WE4.2	MARGALEF	AP	Spring2	3.02	91.3	POOR
WE4.2	MARGALEF	BP	Spring2	2.74	73.2	POOR
WE4.2	MARGALEF	AP	Summer1	2.61	70.3	POOR
WE4.2	MARGALEF	BP	Summer1	2.61	68.9	POOR
WE4.2	MARGALEF	AP	Summer2	2.61	69.4	POOR
WE4.2	MARGALEF	BP	Summer2	2.57	65.6	POOR
WE4.2	MARGALEF	AP	Winter	2.69	43.9	FAIR
WE4.2	MARGALEF	BP	Winter	2.76	61.5	POOR
WE4.2	DIATOM	AP	Annual	3907021	74.8	GOOD
WE4.2	DIATOM	BP	Annual	3704066	73.9	GOOD
WE4.2	DIATOM	AP	Fall	2286569	73.5	GOOD
WE4.2	DIATOM	BP	Fall	3280949	88.6	GOOD
WE4.2	DIATOM	AP	SAV1	3592328	71.8	GOOD
WE4.2	DIATOM	BP	SAV1	3781889	74.7	GOOD
WE4.2	DIATOM	AP	SAV2	4470528	80.6	GOOD
WE4.2	DIATOM	BP	SAV2	3859712	81.2	GOOD
WE4.2	DIATOM	AP	Spring1	4630784	67.8	GOOD
WE4.2	DIATOM	BP	Spring1	2958234	38.9	POOR
WE4.2	DIATOM	AP	Spring2	4773831	71.6	GOOD
WE4.2	DIATOM	BP	Spring2	2958234	55.5	FAIR
WE4.2	DIATOM	AP	Summer1	4359465	84.7	GOOD
WE4.2	DIATOM	BP	Summer1	4064384	88.8	GOOD
WE4.2	DIATOM	AP	Summer2	4248401	86.9	GOOD
WE4.2	DIATOM	BP	Summer2	4269056	91.2	GOOD
WE4.2	DIATOM	AP	Winter	3514112	43.5	FAIR
WE4.2	DIATOM	BP	Winter	4170061	41.7	FAIR
WE4.2	DIATOM_C	AP	Annual	238650000	52.1	FAIR
WE4.2	DIATOM_C	BP	Annual	301900000	56.4	GOOD
WE4.2	DIATOM_C	AP	Fall	173080000	63.8	GOOD
WE4.2	DIATOM_C	BP	Fall	265890000	72.7	GOOD
WE4.2	DIATOM_C	AP	SAV1	205720000	47.3	FAIR
WE4.2	DIATOM_C	BP	SAV1	291080000	51.2	FAIR
WE4.2	DIATOM_C	AP	SAV2	238650000	50.8	FAIR
WE4.2	DIATOM_C	BP	SAV2	309770000	59.8	GOOD
WE4.2	DIATOM_C	AP	Spring1	329740000	31.1	POOR
WE4.2	DIATOM_C	BP	Spring1	301900000	24.4	POOR
WE4.2	DIATOM_C	AP	Spring2	358570000	41.8	POOR
WE4.2	DIATOM_C	BP	Spring2	472010000	51.6	FAIR
WE4.2	DIATOM_C	AP	Summer1	280290000	64.9	GOOD
WE4.2	DIATOM_C	BP	Summer1	383670000	79.5	GOOD
WE4.2	DIATOM_C	AP	Summer2	233740000	63.1	GOOD
WE4.2	DIATOM_C	BP	Summer2	311230000	75.0	GOOD
WE4.2	DIATOM_C	AP	Winter	221690000	24.4	POOR
WE4.2	DIATOM_C	BP	Winter	299010000	22.8	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
WE4.2	DINOFLG	AP	Annual	282240	65.9	POOR
WE4.2	DINOFLG	BP	Annual	151808	70.3	POOR
WE4.2	DINOFLG	AP	Fall	237901	69.2	POOR
WE4.2	DINOFLG	BP	Fall	50457	63.3	POOR
WE4.2	DINOFLG	AP	SAV1	284710	73.4	POOR
WE4.2	DINOFLG	BP	SAV1	114165	65.6	POOR
WE4.2	DINOFLG	AP	SAV2	287179	69.8	POOR
WE4.2	DINOFLG	BP	SAV2	95338	66.5	POOR
WE4.2	DINOFLG	AP	Spring1	341760	74.5	POOR
WE4.2	DINOFLG	BP	Spring1	234189	64.7	POOR
WE4.2	DINOFLG	AP	Spring2	339610	70.2	POOR
WE4.2	DINOFLG	BP	Spring2	334848	78.5	POOR
WE4.2	DINOFLG	AP	Summer1	287215	66.8	POOR
WE4.2	DINOFLG	BP	Summer1	122139	79.1	POOR
WE4.2	DINOFLG	AP	Summer2	284800	70.0	POOR
WE4.2	DINOFLG	BP	Summer2	9216	15.4	GOOD
WE4.2	DINOFLG	AP	Winter	109491	36.2	GOOD
WE4.2	DINOFLG	BP	Winter	225590	52.9	FAIR
WE4.2	DINOFL_C	AP	Annual	98423742	63.7	POOR
WE4.2	DINOFL_C	BP	Annual	38805805	61.4	POOR
WE4.2	DINOFL_C	AP	Fall	77619906	64.5	POOR
WE4.2	DINOFL_C	BP	Fall	19914079	62.8	POOR
WE4.2	DINOFL_C	AP	SAV1	97177282	65.2	POOR
WE4.2	DINOFL_C	BP	SAV1	17816794	52.3	FAIR
WE4.2	DINOFL_C	AP	SAV2	109770000	60.1	POOR
WE4.2	DINOFL_C	BP	SAV2	18953856	48.2	FAIR
WE4.2	DINOFL_C	AP	Spring1	100090000	65.0	POOR
WE4.2	DINOFL_C	BP	Spring1	47870895	57.7	POOR
WE4.2	DINOFL_C	AP	Spring2	106670000	59.0	POOR
WE4.2	DINOFL_C	BP	Spring2	47870895	55.8	FAIR
WE4.2	DINOFL_C	AP	Summer1	209200000	74.7	POOR
WE4.2	DINOFL_C	BP	Summer1	28879830	55.1	FAIR
WE4.2	DINOFL_C	AP	Summer2	211780000	75.9	POOR
WE4.2	DINOFL_C	BP	Summer2	16679731	49.0	FAIR
WE4.2	DINOFL_C	AP	Winter	25787435	49.9	FAIR
WE4.2	DINOFL_C	BP	Winter	46895174	62.3	POOR
WE4.2	CYANO	AP	Annual	328704	83.5	POOR
WE4.2	CYANO	BP	Annual	467968	89.7	POOR
WE4.2	CYANO	AP	Fall	194534	89.3	POOR
WE4.2	CYANO	BP	Fall	467453	92.2	POOR
WE4.2	CYANO	AP	SAV1	285423	82.8	POOR
WE4.2	CYANO	BP	SAV1	569536	89.1	POOR
WE4.2	CYANO	AP	SAV2	357171	78.9	POOR
WE4.2	CYANO	BP	SAV2	671104	88.5	POOR
WE4.2	CYANO	AP	Spring1	712448	85.9	POOR
WE4.2	CYANO	BP	Spring1	467968	87.3	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
WE4.2	CYANO	AP	Spring2	592384	83.2	POOR
WE4.2	CYANO	BP	Spring2	467968	86.9	POOR
WE4.2	CYANO	AP	Summer1	342938	77.1	POOR
WE4.2	CYANO	BP	Summer1	751862	88.8	POOR
WE4.2	CYANO	AP	Summer2	328704	75.3	POOR
WE4.2	CYANO	BP	Summer2	819392	88.5	POOR
WE4.2	CYANO	AP	Winter	374451	91.5	POOR
WE4.2	CYANO	BP	Winter	267059	94.8	POOR
WE4.2	CYANO_C	AP	Annual	1702868	79.5	POOR
WE4.2	CYANO_C	BP	Annual	2602240	85.3	POOR
WE4.2	CYANO_C	AP	Fall	1478461	90.4	POOR
WE4.2	CYANO_C	BP	Fall	1918968	89.8	POOR
WE4.2	CYANO_C	AP	SAV1	1835029	80.2	POOR
WE4.2	CYANO_C	BP	SAV1	2816153	84.8	POOR
WE4.2	CYANO_C	AP	SAV2	1761685	74.0	POOR
WE4.2	CYANO_C	BP	SAV2	3017229	81.7	POOR
WE4.2	CYANO_C	AP	Spring1	3574619	79.2	POOR
WE4.2	CYANO_C	BP	Spring1	3011750	82.2	POOR
WE4.2	CYANO_C	AP	Spring2	1517517	70.7	POOR
WE4.2	CYANO_C	BP	Spring2	3017229	79.5	POOR
WE4.2	CYANO_C	AP	Summer1	1581830	71.2	POOR
WE4.2	CYANO_C	BP	Summer1	3877389	82.6	POOR
WE4.2	CYANO_C	AP	Summer2	1761685	71.7	POOR
WE4.2	CYANO_C	BP	Summer2	3084614	81.6	POOR
WE4.2	CYANO_C	AP	Winter	1702868	84.4	POOR
WE4.2	CYANO_C	BP	Winter	1520568	90.4	POOR
WE4.2	CHLORO	AP	Annual	38518	88.0	GOOD
WE4.2	CHLORO	BP	Annual	34342	87.2	GOOD
WE4.2	CHLORO	AP	Fall	256	72.9	GOOD
WE4.2	CHLORO	BP	Fall	0	22.3	POOR
WE4.2	CHLORO	AP	SAV1	1216	58.7	GOOD
WE4.2	CHLORO	BP	SAV1	41518	85.9	GOOD
WE4.2	CHLORO	AP	SAV2	66957	86.7	GOOD
WE4.2	CHLORO	BP	SAV2	27799	84.0	GOOD
WE4.2	CHLORO	AP	Spring1	66957	76.4	GOOD
WE4.2	CHLORO	BP	Spring1	83456	79.5	GOOD
WE4.2	CHLORO	AP	Spring2	66957	77.7	GOOD
WE4.2	CHLORO	BP	Spring2	75869	81.4	GOOD
WE4.2	CHLORO	AP	Summer1	78822	90.9	GOOD
WE4.2	CHLORO	BP	Summer1	40599	88.3	GOOD
WE4.2	CHLORO	AP	Summer2	89165	91.5	GOOD
WE4.2	CHLORO	BP	Summer2	27392	87.0	GOOD
WE4.2	CHLORO	AP	Winter	88717	91.3	GOOD
WE4.2	CHLORO	BP	Winter	46861	91.1	GOOD
WE4.2	CHLORO_C	AP	Annual	1013877	88.9	GOOD
WE4.2	CHLORO_C	BP	Annual	641208	88.7	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
WE4.2	CHLORO_C	AP	Fall	2924	77.5	GOOD
WE4.2	CHLORO_C	BP	Fall	0	24.8	POOR
WE4.2	CHLORO_C	AP	SAV1	13887	64.4	GOOD
WE4.2	CHLORO_C	BP	SAV1	1196167	88.2	GOOD
WE4.2	CHLORO_C	AP	SAV2	1075875	87.8	GOOD
WE4.2	CHLORO_C	BP	SAV2	699192	87.6	GOOD
WE4.2	CHLORO_C	AP	Spring1	1075875	74.8	GOOD
WE4.2	CHLORO_C	BP	Spring1	2339112	80.8	GOOD
WE4.2	CHLORO_C	AP	Spring2	1075875	78.1	GOOD
WE4.2	CHLORO_C	BP	Spring2	1949836	82.6	GOOD
WE4.2	CHLORO_C	AP	Summer1	3948765	94.4	GOOD
WE4.2	CHLORO_C	BP	Summer1	2437241	93.7	GOOD
WE4.2	CHLORO_C	AP	Summer2	3408302	94.7	GOOD
WE4.2	CHLORO_C	BP	Summer2	614471	91.8	GOOD
WE4.2	CHLORO_C	AP	Winter	1382906	91.4	GOOD
WE4.2	CHLORO_C	BP	Winter	1120851	90.2	GOOD
WE4.2	PICO	AP	Annual	34240000	52.2	FAIR
WE4.2	PICO	BP	Annual	36320000	58.7	POOR
WE4.2	PICO	AP	Fall	29008700	64.0	POOR
WE4.2	PICO	BP	Fall	29088000	66.7	POOR
WE4.2	PICO	AP	SAV1	29984000	59.4	POOR
WE4.2	PICO	BP	SAV1	32475000	64.0	POOR
WE4.2	PICO	AP	SAV2	154720000	64.8	POOR
WE4.2	PICO	BP	SAV2	139200000	71.6	POOR
WE4.2	PICO	AP	Spring1	18160000	73.2	POOR
WE4.2	PICO	BP	Spring1	25120000	78.8	POOR
WE4.2	PICO	AP	Spring2	49920000	58.7	POOR
WE4.2	PICO	BP	Spring2	40778000	57.7	POOR
WE4.2	PICO	AP	Summer1	341520000	62.3	POOR
WE4.2	PICO	BP	Summer1	240160000	69.8	POOR
WE4.2	PICO	AP	Summer2	442880000	71.0	POOR
WE4.2	PICO	BP	Summer2	296960000	77.5	POOR
WE4.2	PICO	AP	Winter	5728000	53.3	FAIR
WE4.2	PICO	BP	Winter	7600000	59.5	POOR
WE4.2	PICO_C	AP	Annual	51360000	52.2	FAIR
WE4.2	PICO_C	BP	Annual	54480000	58.7	POOR
WE4.2	PICO_C	AP	Fall	43513050	64.0	POOR
WE4.2	PICO_C	BP	Fall	43632000	66.7	POOR
WE4.2	PICO_C	AP	SAV1	44976000	59.4	POOR
WE4.2	PICO_C	BP	SAV1	48712500	64.0	POOR
WE4.2	PICO_C	AP	SAV2	232080000	64.8	POOR
WE4.2	PICO_C	BP	SAV2	208800000	71.6	POOR
WE4.2	PICO_C	AP	Spring1	27240000	73.2	POOR
WE4.2	PICO_C	BP	Spring1	37680000	78.8	POOR
WE4.2	PICO_C	AP	Spring2	74880000	58.7	POOR
WE4.2	PICO_C	BP	Spring2	61167000	57.7	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
WE4.2	PICO_C	AP	Summer1	512280000	62.3	POOR
WE4.2	PICO_C	BP	Summer1	360240000	69.8	POOR
WE4.2	PICO_C	AP	Summer2	664320000	71.0	POOR
WE4.2	PICO_C	BP	Summer2	445440000	77.5	POOR
WE4.2	PICO_C	AP	Winter	8592000	53.3	FAIR
WE4.2	PICO_C	BP	Winter	11400000	59.5	POOR
WE4.2	PROCAR_C	AP	Annual	0.005	38.7	GOOD
WE4.2	PROCAR_C	BP	Annual	0.007	40.3	GOOD
WE4.2	PROCAR_C	AP	Fall	0.005	41.2	GOOD
WE4.2	PROCAR_C	BP	Fall	0.008	41.7	GOOD
WE4.2	PROCAR_C	AP	SAV1	0.009	39.6	GOOD
WE4.2	PROCAR_C	BP	SAV1	0.009	41.0	GOOD
WE4.2	PROCAR_C	AP	SAV2	0.004	35.8	GOOD
WE4.2	PROCAR_C	BP	SAV2	0.007	38.0	GOOD
WE4.2	PROCAR_C	AP	Spring1	0.009	42.1	GOOD
WE4.2	PROCAR_C	BP	Spring1	0.006	42.4	GOOD
WE4.2	PROCAR_C	AP	Spring2	0.005	38.5	GOOD
WE4.2	PROCAR_C	BP	Spring2	0.005	39.7	GOOD
WE4.2	PROCAR_C	AP	Summer1	0.003	33.2	GOOD
WE4.2	PROCAR_C	BP	Summer1	0.007	37.0	GOOD
WE4.2	PROCAR_C	AP	Summer2	0.004	32.9	GOOD
WE4.2	PROCAR_C	BP	Summer2	0.007	37.0	GOOD
WE4.2	PROCAR_C	AP	Winter	0.005	46.1	FAIR
WE4.2	PROCAR_C	BP	Winter	0.002	43.7	FAIR
TF3.3	TOTBMASS	AP	Annual	708370000	44.5	FAIR
TF3.3	TOTBMASS	BP	Annual	1101400000	60.3	GOOD
TF3.3	TOTBMASS	AP	Fall	475130000	50.1	FAIR
TF3.3	TOTBMASS	BP	Fall	1449600000	75.8	GOOD
TF3.3	TOTBMASS	AP	SAV1	1160500000	53.6	FAIR
TF3.3	TOTBMASS	BP	SAV1	1294700000	60.3	GOOD
TF3.3	TOTBMASS	AP	SAV2	1345100000	50.4	FAIR
TF3.3	TOTBMASS	BP	SAV2	1449600000	59.2	GOOD
TF3.3	TOTBMASS	AP	Spring1	730940000	39.6	POOR
TF3.3	TOTBMASS	BP	Spring1	764920000	45.0	FAIR
TF3.3	TOTBMASS	AP	Spring2	1317000000	48.2	FAIR
TF3.3	TOTBMASS	BP	Spring2	2390800000	71.5	GOOD
TF3.3	TOTBMASS	AP	Summer1	1454800000	51.1	FAIR
TF3.3	TOTBMASS	BP	Summer1	1447400000	58.0	FAIR
TF3.3	TOTBMASS	AP	Summer2	1345100000	50.0	FAIR
TF3.3	TOTBMASS	BP	Summer2	1178900000	52.7	FAIR
TF3.3	TOTBMASS	AP	Winter	515750000	61.0	GOOD
TF3.3	TOTBMASS	BP	Winter	511440000	67.7	GOOD
TF3.3	RATIO	AP	Annual	38.06	29.8	POOR
TF3.3	RATIO	BP	Annual	40.40	32.2	POOR
TF3.3	RATIO	AP	Fall	40.12	39.9	POOR
TF3.3	RATIO	BP	Fall	25.90	24.8	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
TF3.3	RATIO	AP	SAV1	42.87	31.0	POOR
TF3.3	RATIO	BP	SAV1	40.06	29.1	POOR
TF3.3	RATIO	AP	SAV2	39.17	29.2	POOR
TF3.3	RATIO	BP	SAV2	40.54	31.5	POOR
TF3.3	RATIO	AP	Spring1	47.92	26.7	POOR
TF3.3	RATIO	BP	Spring1	42.36	24.8	POOR
TF3.3	RATIO	AP	Spring2	48.16	25.7	POOR
TF3.3	RATIO	BP	Spring2	47.21	29.3	POOR
TF3.3	RATIO	AP	Summer1	32.24	26.9	POOR
TF3.3	RATIO	BP	Summer1	39.05	34.1	POOR
TF3.3	RATIO	AP	Summer2	24.12	22.4	POOR
TF3.3	RATIO	BP	Summer2	31.39	29.4	POOR
TF3.3	RATIO	AP	Winter	35.16	30.0	POOR
TF3.3	RATIO	BP	Winter	44.06	37.3	POOR
TF3.3	MARGALEF	AP	Annual	1.99	57.9	POOR
TF3.3	MARGALEF	BP	Annual	2.10	78.9	POOR
TF3.3	MARGALEF	AP	Fall	1.83	49.2	FAIR
TF3.3	MARGALEF	BP	Fall	2.16	84.6	POOR
TF3.3	MARGALEF	AP	SAV1	1.91	55.6	FAIR
TF3.3	MARGALEF	BP	SAV1	1.99	75.3	POOR
TF3.3	MARGALEF	AP	SAV2	2.24	68.9	POOR
TF3.3	MARGALEF	BP	SAV2	2.16	76.6	POOR
TF3.3	MARGALEF	AP	Spring1	1.86	55.4	FAIR
TF3.3	MARGALEF	BP	Spring1	1.98	78.8	POOR
TF3.3	MARGALEF	AP	Spring2	2.03	63.0	POOR
TF3.3	MARGALEF	BP	Spring2	1.98	73.5	POOR
TF3.3	MARGALEF	AP	Summer1	2.37	70.4	POOR
TF3.3	MARGALEF	BP	Summer1	2.21	74.0	POOR
TF3.3	MARGALEF	AP	Summer2	2.28	63.0	POOR
TF3.3	MARGALEF	BP	Summer2	2.27	74.8	POOR
TF3.3	MARGALEF	AP	Winter	1.88	60.2	POOR
TF3.3	MARGALEF	BP	Winter	2.26	94.6	POOR
TF3.3	DIATOM	AP	Annual	10325261	79.7	GOOD
TF3.3	DIATOM	BP	Annual	12660450	85.0	GOOD
TF3.3	DIATOM	AP	Fall	15493530	89.4	GOOD
TF3.3	DIATOM	BP	Fall	12098253	86.8	GOOD
TF3.3	DIATOM	AP	SAV1	13890765	84.6	GOOD
TF3.3	DIATOM	BP	SAV1	20597643	91.1	GOOD
TF3.3	DIATOM	AP	SAV2	12288000	79.0	GOOD
TF3.3	DIATOM	BP	SAV2	16999936	86.9	GOOD
TF3.3	DIATOM	AP	Spring1	9538816	78.8	GOOD
TF3.3	DIATOM	BP	Spring1	20478026	92.4	GOOD
TF3.3	DIATOM	AP	Spring2	11417924	82.3	GOOD
TF3.3	DIATOM	BP	Spring2	20717261	92.9	GOOD
TF3.3	DIATOM	AP	Summer1	12296988	78.4	GOOD
TF3.3	DIATOM	BP	Summer1	15546546	84.3	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
TF3.3	DIATOM	AP	Summer2	13176052	76.8	GOOD
TF3.3	DIATOM	BP	Summer2	16585368	83.0	GOOD
TF3.3	DIATOM	AP	Winter	4488107	71.7	GOOD
TF3.3	DIATOM	BP	Winter	3390976	68.0	GOOD
TF3.3	DIATOM_C	AP	Annual	489860000	60.8	GOOD
TF3.3	DIATOM_C	BP	Annual	534580000	62.7	GOOD
TF3.3	DIATOM_C	AP	Fall	351600000	64.0	GOOD
TF3.3	DIATOM_C	BP	Fall	963020000	74.9	GOOD
TF3.3	DIATOM_C	AP	SAV1	587650000	61.5	GOOD
TF3.3	DIATOM_C	BP	SAV1	1010800000	68.4	GOOD
TF3.3	DIATOM_C	AP	SAV2	706940000	62.3	GOOD
TF3.3	DIATOM_C	BP	SAV2	888180000	65.9	GOOD
TF3.3	DIATOM_C	AP	Spring1	532500000	58.3	GOOD
TF3.3	DIATOM_C	BP	Spring1	507230000	56.2	FAIR
TF3.3	DIATOM_C	AP	Spring2	1101300000	65.3	GOOD
TF3.3	DIATOM_C	BP	Spring2	1625200000	70.1	GOOD
TF3.3	DIATOM_C	AP	Summer1	901390000	65.5	GOOD
TF3.3	DIATOM_C	BP	Summer1	653050000	62.4	GOOD
TF3.3	DIATOM_C	AP	Summer2	702860000	63.7	GOOD
TF3.3	DIATOM_C	BP	Summer2	589240000	62.2	GOOD
TF3.3	DIATOM_C	AP	Winter	249730000	60.1	GOOD
TF3.3	DIATOM_C	BP	Winter	237570000	61.6	GOOD
TF3.3	DINOFLG	AP	Annual	6144	38.9	GOOD
TF3.3	DINOFLG	BP	Annual	2048	35.9	GOOD
TF3.3	DINOFLG	AP	Fall	1536	37.1	GOOD
TF3.3	DINOFLG	BP	Fall	11264	55.1	FAIR
TF3.3	DINOFLG	AP	SAV1	1536	29.9	GOOD
TF3.3	DINOFLG	BP	SAV1	1792	32.6	GOOD
TF3.3	DINOFLG	AP	SAV2	10240	36.5	GOOD
TF3.3	DINOFLG	BP	SAV2	4096	36.7	GOOD
TF3.3	DINOFLG	AP	Spring1	1024	28.0	GOOD
TF3.3	DINOFLG	BP	Spring1	256	24.3	GOOD
TF3.3	DINOFLG	AP	Spring2	4096	35.5	GOOD
TF3.3	DINOFLG	BP	Spring2	512	27.3	GOOD
TF3.3	DINOFLG	AP	Summer1	118143	60.0	POOR
TF3.3	DINOFLG	BP	Summer1	68838	61.0	POOR
TF3.3	DINOFLG	AP	Summer2	19456	22.0	GOOD
TF3.3	DINOFLG	BP	Summer2	125388	71.6	POOR
TF3.3	DINOFLG	AP	Winter	512	33.2	GOOD
TF3.3	DINOFLG	BP	Winter	256	28.9	GOOD
TF3.3	DINOFL_C	AP	Annual	2820145	69.3	POOR
TF3.3	DINOFL_C	BP	Annual	808259	65.9	POOR
TF3.3	DINOFL_C	AP	Fall	240671	62.8	POOR
TF3.3	DINOFL_C	BP	Fall	3881144	72.6	POOR
TF3.3	DINOFL_C	AP	SAV1	255196	58.8	POOR
TF3.3	DINOFL_C	BP	SAV1	808957	64.5	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
TF3.3	DINOFL_C	AP	SAV2	6622966	68.6	POOR
TF3.3	DINOFL_C	BP	SAV2	1290624	63.7	POOR
TF3.3	DINOFL_C	AP	Spring1	218194	60.9	POOR
TF3.3	DINOFL_C	BP	Spring1	75423	60.5	POOR
TF3.3	DINOFL_C	AP	Spring2	3822629	68.7	POOR
TF3.3	DINOFL_C	BP	Spring2	22477	46.5	FAIR
TF3.3	DINOFL_C	AP	Summer1	10709826	66.9	POOR
TF3.3	DINOFL_C	BP	Summer1	3543368	67.6	POOR
TF3.3	DINOFL_C	AP	Summer2	10331832	66.2	POOR
TF3.3	DINOFL_C	BP	Summer2	3824517	66.3	POOR
TF3.3	DINOFL_C	AP	Winter	109097	63.7	POOR
TF3.3	DINOFL_C	BP	Winter	666348	71.9	POOR
TF3.3	CYANO	AP	Annual	6426082	70.0	POOR
TF3.3	CYANO	BP	Annual	9736232	77.1	POOR
TF3.3	CYANO	AP	Fall	11634483	79.2	POOR
TF3.3	CYANO	BP	Fall	11465132	79.0	POOR
TF3.3	CYANO	AP	SAV1	6117683	71.1	POOR
TF3.3	CYANO	BP	SAV1	10373436	77.9	POOR
TF3.3	CYANO	AP	SAV2	16099942	74.6	POOR
TF3.3	CYANO	BP	SAV2	11863040	74.1	POOR
TF3.3	CYANO	AP	Spring1	3037762	70.3	POOR
TF3.3	CYANO	BP	Spring1	3196109	75.7	POOR
TF3.3	CYANO	AP	Spring2	5683184	70.7	POOR
TF3.3	CYANO	BP	Spring2	3196109	69.2	POOR
TF3.3	CYANO	AP	Summer1	20618414	71.0	POOR
TF3.3	CYANO	BP	Summer1	14655560	70.2	POOR
TF3.3	CYANO	AP	Summer2	23615488	70.8	POOR
TF3.3	CYANO	BP	Summer2	17448080	71.0	POOR
TF3.3	CYANO	AP	Winter	2585882	78.4	POOR
TF3.3	CYANO	BP	Winter	4493440	91.6	POOR
TF3.3	CYANO_C	AP	Annual	26751030	62.5	POOR
TF3.3	CYANO_C	BP	Annual	36604042	68.7	POOR
TF3.3	CYANO_C	AP	Fall	39002728	77.0	POOR
TF3.3	CYANO_C	BP	Fall	45789134	77.8	POOR
TF3.3	CYANO_C	AP	SAV1	22313321	62.4	POOR
TF3.3	CYANO_C	BP	SAV1	40671424	70.2	POOR
TF3.3	CYANO_C	AP	SAV2	67033649	59.5	POOR
TF3.3	CYANO_C	BP	SAV2	65440923	65.3	POOR
TF3.3	CYANO_C	AP	Spring1	15609359	61.8	POOR
TF3.3	CYANO_C	BP	Spring1	12862424	68.7	POOR
TF3.3	CYANO_C	AP	Spring2	15609359	53.3	FAIR
TF3.3	CYANO_C	BP	Spring2	12412467	61.7	POOR
TF3.3	CYANO_C	AP	Summer1	124420000	58.4	FAIR
TF3.3	CYANO_C	BP	Summer1	94817812	61.4	POOR
TF3.3	CYANO_C	AP	Summer2	167830000	61.5	POOR
TF3.3	CYANO_C	BP	Summer2	104850000	61.2	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
TF3.3	CYANO_C	AP	Winter	19859190	73.7	POOR
TF3.3	CYANO_C	BP	Winter	15494958	75.6	POOR
TF3.3	CHLORO	AP	Annual	2100589	77.5	GOOD
TF3.3	CHLORO	BP	Annual	1633753	78.3	GOOD
TF3.3	CHLORO	AP	Fall	2286906	78.1	GOOD
TF3.3	CHLORO	BP	Fall	1754931	77.7	GOOD
TF3.3	CHLORO	AP	SAV1	2251421	77.3	GOOD
TF3.3	CHLORO	BP	SAV1	1710387	77.8	GOOD
TF3.3	CHLORO	AP	SAV2	2286906	75.3	GOOD
TF3.3	CHLORO	BP	SAV2	2260480	77.7	GOOD
TF3.3	CHLORO	AP	Spring1	1257726	75.7	GOOD
TF3.3	CHLORO	BP	Spring1	1633753	80.4	GOOD
TF3.3	CHLORO	AP	Spring2	3095296	81.7	GOOD
TF3.3	CHLORO	BP	Spring2	4024218	84.9	GOOD
TF3.3	CHLORO	AP	Summer1	2212864	73.3	GOOD
TF3.3	CHLORO	BP	Summer1	1932442	75.1	GOOD
TF3.3	CHLORO	AP	Summer2	2209792	72.4	GOOD
TF3.3	CHLORO	BP	Summer2	2260480	75.5	GOOD
TF3.3	CHLORO	AP	Winter	1125299	82.2	GOOD
TF3.3	CHLORO	BP	Winter	1062656	89.1	GOOD
TF3.3	CHLORO_C	AP	Annual	61401020	70.7	GOOD
TF3.3	CHLORO_C	BP	Annual	89794919	76.8	GOOD
TF3.3	CHLORO_C	AP	Fall	29877092	67.0	GOOD
TF3.3	CHLORO_C	BP	Fall	47722564	73.5	GOOD
TF3.3	CHLORO_C	AP	SAV1	69174568	70.1	GOOD
TF3.3	CHLORO_C	BP	SAV1	86480055	75.5	GOOD
TF3.3	CHLORO_C	AP	SAV2	155780000	72.5	GOOD
TF3.3	CHLORO_C	BP	SAV2	131310000	75.3	GOOD
TF3.3	CHLORO_C	AP	Spring1	76948116	72.0	GOOD
TF3.3	CHLORO_C	BP	Spring1	131310000	79.8	GOOD
TF3.3	CHLORO_C	AP	Spring2	244310000	76.9	GOOD
TF3.3	CHLORO_C	BP	Spring2	185260000	79.6	GOOD
TF3.3	CHLORO_C	AP	Summer1	100660000	68.6	GOOD
TF3.3	CHLORO_C	BP	Summer1	86480055	72.4	GOOD
TF3.3	CHLORO_C	AP	Summer2	155780000	70.3	GOOD
TF3.3	CHLORO_C	BP	Summer2	89794919	70.4	GOOD
TF3.3	CHLORO_C	AP	Winter	17443829	77.4	GOOD
TF3.3	CHLORO_C	BP	Winter	20833755	82.9	GOOD
TF3.3	PICO	AP	Annual	113440000	73.6	POOR
TF3.3	PICO	BP	Annual	118280000	74.3	POOR
TF3.3	PICO	AP	Fall	89600000	79.2	POOR
TF3.3	PICO	BP	Fall	118280000	84.0	POOR
TF3.3	PICO	AP	SAV1	86960000	72.6	POOR
TF3.3	PICO	BP	SAV1	108790000	77.2	POOR
TF3.3	PICO	AP	SAV2	324480000	77.9	POOR
TF3.3	PICO	BP	SAV2	275580000	74.8	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
TF3.3	PICO	AP	Spring1	22864000	68.5	POOR
TF3.3	PICO	BP	Spring1	12360000	54.2	FAIR
TF3.3	PICO	AP	Spring2	100000000	67.5	POOR
TF3.3	PICO	BP	Spring2	112940000	72.0	POOR
TF3.3	PICO	AP	Summer1	581600000	84.1	POOR
TF3.3	PICO	BP	Summer1	613600000	88.0	POOR
TF3.3	PICO	AP	Summer2	637120000	88.3	POOR
TF3.3	PICO	BP	Summer2	625920000	89.5	POOR
TF3.3	PICO	AP	Winter	9268224	69.8	POOR
TF3.3	PICO	BP	Winter	8870400	63.6	POOR
TF3.3	PICO_C	AP	Annual	170160000	73.6	POOR
TF3.3	PICO_C	BP	Annual	177420000	74.3	POOR
TF3.3	PICO_C	AP	Fall	134400000	79.2	POOR
TF3.3	PICO_C	BP	Fall	177420000	84.0	POOR
TF3.3	PICO_C	AP	SAV1	130440000	72.6	POOR
TF3.3	PICO_C	BP	SAV1	163190000	77.2	POOR
TF3.3	PICO_C	AP	SAV2	486720000	77.9	POOR
TF3.3	PICO_C	BP	SAV2	413380000	74.8	POOR
TF3.3	PICO_C	AP	Spring1	34296000	68.5	POOR
TF3.3	PICO_C	BP	Spring1	18540000	54.2	FAIR
TF3.3	PICO_C	AP	Spring2	150000000	67.5	POOR
TF3.3	PICO_C	BP	Spring2	169410000	72.0	POOR
TF3.3	PICO_C	AP	Summer1	872400000	84.1	POOR
TF3.3	PICO_C	BP	Summer1	920400000	88.0	POOR
TF3.3	PICO_C	AP	Summer2	955680000	88.3	POOR
TF3.3	PICO_C	BP	Summer2	938880000	89.5	POOR
TF3.3	PICO_C	AP	Winter	13902336	69.8	POOR
TF3.3	PICO_C	BP	Winter	13305600	63.6	POOR
TF3.3	PROCAR_C	AP	Annual	0.040	34.8	GOOD
TF3.3	PROCAR_C	BP	Annual	0.041	36.3	GOOD
TF3.3	PROCAR_C	AP	Fall	0.030	42.0	GOOD
TF3.3	PROCAR_C	BP	Fall	0.038	40.1	GOOD
TF3.3	PROCAR_C	AP	SAV1	0.026	34.7	GOOD
TF3.3	PROCAR_C	BP	SAV1	0.035	36.9	GOOD
TF3.3	PROCAR_C	AP	SAV2	0.074	33.2	GOOD
TF3.3	PROCAR_C	BP	SAV2	0.058	35.0	GOOD
TF3.3	PROCAR_C	AP	Spring1	0.021	33.6	GOOD
TF3.3	PROCAR_C	BP	Spring1	0.023	37.3	GOOD
TF3.3	PROCAR_C	AP	Spring2	0.017	31.9	GOOD
TF3.3	PROCAR_C	BP	Spring2	0.023	35.7	GOOD
TF3.3	PROCAR_C	AP	Summer1	0.099	32.3	GOOD
TF3.3	PROCAR_C	BP	Summer1	0.083	33.6	GOOD
TF3.3	PROCAR_C	AP	Summer2	0.105	31.8	GOOD
TF3.3	PROCAR_C	BP	Summer2	0.088	33.0	GOOD
TF3.3	PROCAR_C	AP	Winter	0.032	41.2	FAIR
TF3.3	PROCAR_C	BP	Winter	0.043	40.0	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
RET3.1	TOTBMASS	AP	Annual	730600000	34.0	POOR
RET3.1	TOTBMASS	BP	Annual	703830000	43.2	FAIR
RET3.1	TOTBMASS	AP	Fall	669010000	51.9	FAIR
RET3.1	TOTBMASS	BP	Fall	780620000	63.3	GOOD
RET3.1	TOTBMASS	AP	SAV1	788480000	38.6	POOR
RET3.1	TOTBMASS	BP	SAV1	780000000	48.1	FAIR
RET3.1	TOTBMASS	AP	SAV2	756690000	27.6	POOR
RET3.1	TOTBMASS	BP	SAV2	780620000	38.5	POOR
RET3.1	TOTBMASS	AP	Spring1	756690000	23.1	POOR
RET3.1	TOTBMASS	BP	Spring1	539720000	18.6	POOR
RET3.1	TOTBMASS	AP	Spring2	756690000	17.3	POOR
RET3.1	TOTBMASS	BP	Spring2	632640000	21.5	POOR
RET3.1	TOTBMASS	AP	Summer1	863550000	27.8	POOR
RET3.1	TOTBMASS	BP	Summer1	784640000	39.6	POOR
RET3.1	TOTBMASS	AP	Summer2	788480000	30.4	POOR
RET3.1	TOTBMASS	BP	Summer2	779390000	43.7	FAIR
RET3.1	TOTBMASS	AP	Winter	513630000	26.7	POOR
RET3.1	TOTBMASS	BP	Winter	468820000	22.5	POOR
RET3.1	RATIO	AP	Annual	30.43	11.0	POOR
RET3.1	RATIO	BP	Annual	39.92	13.2	POOR
RET3.1	RATIO	AP	Fall	31.34	18.8	POOR
RET3.1	RATIO	BP	Fall	44.52	26.3	POOR
RET3.1	RATIO	AP	SAV1	36.77	15.1	POOR
RET3.1	RATIO	BP	SAV1	41.30	15.2	POOR
RET3.1	RATIO	AP	SAV2	26.84	7.5	POOR
RET3.1	RATIO	BP	SAV2	33.29	7.2	POOR
RET3.1	RATIO	AP	Spring1	44.28	11.0	POOR
RET3.1	RATIO	BP	Spring1	38.09	7.6	POOR
RET3.1	RATIO	AP	Spring2	28.22	3.7	POOR
RET3.1	RATIO	BP	Spring2	32.35	3.5	POOR
RET3.1	RATIO	AP	Summer1	24.49	5.9	POOR
RET3.1	RATIO	BP	Summer1	34.56	6.7	POOR
RET3.1	RATIO	AP	Summer2	22.17	7.7	POOR
RET3.1	RATIO	BP	Summer2	33.29	9.2	POOR
RET3.1	RATIO	AP	Winter	41.03	16.8	POOR
RET3.1	RATIO	BP	Winter	41.09	11.9	POOR
RET3.1	MARGALEF	AP	Annual	2.03	75.3	POOR
RET3.1	MARGALEF	BP	Annual	1.61	33.7	GOOD
RET3.1	MARGALEF	AP	Fall	1.84	77.3	POOR
RET3.1	MARGALEF	BP	Fall	1.57	33.5	GOOD
RET3.1	MARGALEF	AP	SAV1	1.85	77.5	POOR
RET3.1	MARGALEF	BP	SAV1	1.50	26.9	GOOD
RET3.1	MARGALEF	AP	SAV2	2.04	80.1	POOR
RET3.1	MARGALEF	BP	SAV2	1.61	41.5	GOOD
RET3.1	MARGALEF	AP	Spring1	1.77	72.3	POOR
RET3.1	MARGALEF	BP	Spring1	1.43	20.6	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
RET3.1	MARGALEF	AP	Spring2	1.77	69.8	POOR
RET3.1	MARGALEF	BP	Spring2	1.44	27.9	GOOD
RET3.1	MARGALEF	AP	Summer1	2.08	71.1	POOR
RET3.1	MARGALEF	BP	Summer1	1.72	49.6	FAIR
RET3.1	MARGALEF	AP	Summer2	2.08	68.7	POOR
RET3.1	MARGALEF	BP	Summer2	1.61	38.7	GOOD
RET3.1	MARGALEF	AP	Winter	1.66	18.9	GOOD
RET3.1	MARGALEF	BP	Winter	1.83	27.0	GOOD
RET3.1	DIATOM	AP	Annual	9975398	89.5	GOOD
RET3.1	DIATOM	BP	Annual	10856670	93.1	GOOD
RET3.1	DIATOM	AP	Fall	12095454	95.5	GOOD
RET3.1	DIATOM	BP	Fall	13939983	97.7	GOOD
RET3.1	DIATOM	AP	SAV1	11089920	89.1	GOOD
RET3.1	DIATOM	BP	SAV1	12124672	93.1	GOOD
RET3.1	DIATOM	AP	SAV2	11576758	90.6	GOOD
RET3.1	DIATOM	BP	SAV2	12023296	94.8	GOOD
RET3.1	DIATOM	AP	Spring1	7295283	70.7	GOOD
RET3.1	DIATOM	BP	Spring1	8336896	77.5	GOOD
RET3.1	DIATOM	AP	Spring2	11089920	84.5	GOOD
RET3.1	DIATOM	BP	Spring2	11929041	90.5	GOOD
RET3.1	DIATOM	AP	Summer1	11547048	94.1	GOOD
RET3.1	DIATOM	BP	Summer1	10691183	97.3	GOOD
RET3.1	DIATOM	AP	Summer2	11576758	93.7	GOOD
RET3.1	DIATOM	BP	Summer2	10856670	96.8	GOOD
RET3.1	DIATOM	AP	Winter	6421197	77.7	GOOD
RET3.1	DIATOM	BP	Winter	4799147	60.0	GOOD
RET3.1	DIATOM_C	AP	Annual	443050000	58.7	GOOD
RET3.1	DIATOM_C	BP	Annual	473840000	59.0	GOOD
RET3.1	DIATOM_C	AP	Fall	441980000	67.2	GOOD
RET3.1	DIATOM_C	BP	Fall	580690000	68.1	GOOD
RET3.1	DIATOM_C	AP	SAV1	432160000	57.5	GOOD
RET3.1	DIATOM_C	BP	SAV1	614440000	60.2	GOOD
RET3.1	DIATOM_C	AP	SAV2	500710000	58.3	GOOD
RET3.1	DIATOM_C	BP	SAV2	560480000	60.8	GOOD
RET3.1	DIATOM_C	AP	Spring1	415540000	45.6	FAIR
RET3.1	DIATOM_C	BP	Spring1	339410000	29.8	POOR
RET3.1	DIATOM_C	AP	Spring2	432160000	51.8	FAIR
RET3.1	DIATOM_C	BP	Spring2	359200000	36.2	POOR
RET3.1	DIATOM_C	AP	Summer1	514260000	58.2	GOOD
RET3.1	DIATOM_C	BP	Summer1	565180000	63.1	GOOD
RET3.1	DIATOM_C	AP	Summer2	500710000	58.1	GOOD
RET3.1	DIATOM_C	BP	Summer2	648200000	66.2	GOOD
RET3.1	DIATOM_C	AP	Winter	453940000	53.7	FAIR
RET3.1	DIATOM_C	BP	Winter	207820000	21.7	POOR
RET3.1	DINOFLG	AP	Annual	65741	13.5	GOOD
RET3.1	DINOFLG	BP	Annual	102912	43.3	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
RET3.1	DINOFLG	AP	Fall	19712	15.7	GOOD
RET3.1	DINOFLG	BP	Fall	102912	60.7	POOR
RET3.1	DINOFLG	AP	SAV1	28672	12.2	GOOD
RET3.1	DINOFLG	BP	SAV1	36608	29.7	GOOD
RET3.1	DINOFLG	AP	SAV2	63718	14.9	GOOD
RET3.1	DINOFLG	BP	SAV2	54784	36.9	GOOD
RET3.1	DINOFLG	AP	Spring1	200548	14.2	GOOD
RET3.1	DINOFLG	BP	Spring1	83200	10.9	GOOD
RET3.1	DINOFLG	AP	Spring2	135066	7.9	GOOD
RET3.1	DINOFLG	BP	Spring2	106411	23.0	GOOD
RET3.1	DINOFLG	AP	Summer1	129831	14.1	GOOD
RET3.1	DINOFLG	BP	Summer1	80598	45.2	FAIR
RET3.1	DINOFLG	AP	Summer2	219776	27.4	GOOD
RET3.1	DINOFLG	BP	Summer2	54784	41.3	GOOD
RET3.1	DINOFLG	AP	Winter	64205	3.0	GOOD
RET3.1	DINOFLG	BP	Winter	178074	19.5	GOOD
RET3.1	DINOFL_C	AP	Annual	7973009	45.1	FAIR
RET3.1	DINOFL_C	BP	Annual	7318236	61.4	POOR
RET3.1	DINOFL_C	AP	Fall	6241187	55.8	FAIR
RET3.1	DINOFL_C	BP	Fall	7318236	71.8	POOR
RET3.1	DINOFL_C	AP	SAV1	5422374	48.4	FAIR
RET3.1	DINOFL_C	BP	SAV1	2501816	55.9	FAIR
RET3.1	DINOFL_C	AP	SAV2	8891295	39.9	GOOD
RET3.1	DINOFL_C	BP	SAV2	9620070	61.8	POOR
RET3.1	DINOFL_C	AP	Spring1	5362538	44.8	FAIR
RET3.1	DINOFL_C	BP	Spring1	2598615	45.1	FAIR
RET3.1	DINOFL_C	AP	Spring2	8891295	36.0	GOOD
RET3.1	DINOFL_C	BP	Spring2	6582991	53.5	FAIR
RET3.1	DINOFL_C	AP	Summer1	13306745	28.5	GOOD
RET3.1	DINOFL_C	BP	Summer1	8537025	57.4	FAIR
RET3.1	DINOFL_C	AP	Summer2	16076744	36.4	GOOD
RET3.1	DINOFL_C	BP	Summer2	10491060	61.6	POOR
RET3.1	DINOFL_C	AP	Winter	1597658	22.3	GOOD
RET3.1	DINOFL_C	BP	Winter	211390000	80.3	POOR
RET3.1	CYANO	AP	Annual	7461900	78.0	POOR
RET3.1	CYANO	BP	Annual	5642752	80.7	POOR
RET3.1	CYANO	AP	Fall	9933684	85.6	POOR
RET3.1	CYANO	BP	Fall	1873516	81.1	POOR
RET3.1	CYANO	AP	SAV1	7945035	80.2	POOR
RET3.1	CYANO	BP	SAV1	7891982	84.0	POOR
RET3.1	CYANO	AP	SAV2	15010816	80.4	POOR
RET3.1	CYANO	BP	SAV2	13352960	84.4	POOR
RET3.1	CYANO	AP	Spring1	5675008	78.9	POOR
RET3.1	CYANO	BP	Spring1	4361700	81.7	POOR
RET3.1	CYANO	AP	Spring2	7945035	80.5	POOR
RET3.1	CYANO	BP	Spring2	8881180	86.2	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
RET3.1	CYANO	AP	Summer1	15762381	83.1	POOR
RET3.1	CYANO	BP	Summer1	12857407	83.9	POOR
RET3.1	CYANO	AP	Summer2	12018176	77.1	POOR
RET3.1	CYANO	BP	Summer2	13352960	83.1	POOR
RET3.1	CYANO	AP	Winter	443665	69.6	POOR
RET3.1	CYANO	BP	Winter	947507	76.6	POOR
RET3.1	CYANO_C	AP	Annual	21083163	64.1	POOR
RET3.1	CYANO_C	BP	Annual	13965811	67.1	POOR
RET3.1	CYANO_C	AP	Fall	17044068	75.0	POOR
RET3.1	CYANO_C	BP	Fall	6880268	74.1	POOR
RET3.1	CYANO_C	AP	SAV1	21373480	66.6	POOR
RET3.1	CYANO_C	BP	SAV1	30556620	74.7	POOR
RET3.1	CYANO_C	AP	SAV2	42957416	56.2	FAIR
RET3.1	CYANO_C	BP	SAV2	34744402	62.8	POOR
RET3.1	CYANO_C	AP	Spring1	16724111	64.9	POOR
RET3.1	CYANO_C	BP	Spring1	12711322	71.3	POOR
RET3.1	CYANO_C	AP	Spring2	19878611	45.0	FAIR
RET3.1	CYANO_C	BP	Spring2	45235656	61.5	POOR
RET3.1	CYANO_C	AP	Summer1	64618189	52.6	FAIR
RET3.1	CYANO_C	BP	Summer1	31482617	56.0	FAIR
RET3.1	CYANO_C	AP	Summer2	46578179	54.6	FAIR
RET3.1	CYANO_C	BP	Summer2	30495306	59.7	POOR
RET3.1	CYANO_C	AP	Winter	4727556	66.1	POOR
RET3.1	CYANO_C	BP	Winter	6129720	68.5	POOR
RET3.1	CHLORO	AP	Annual	984787	89.4	GOOD
RET3.1	CHLORO	BP	Annual	681984	90.8	GOOD
RET3.1	CHLORO	AP	Fall	746058	94.1	GOOD
RET3.1	CHLORO	BP	Fall	439838	94.7	GOOD
RET3.1	CHLORO	AP	SAV1	1268535	90.8	GOOD
RET3.1	CHLORO	BP	SAV1	814490	90.9	GOOD
RET3.1	CHLORO	AP	SAV2	1267712	87.9	GOOD
RET3.1	CHLORO	BP	SAV2	1137971	90.0	GOOD
RET3.1	CHLORO	AP	Spring1	2173670	88.1	GOOD
RET3.1	CHLORO	BP	Spring1	946995	87.8	GOOD
RET3.1	CHLORO	AP	Spring2	2471322	87.8	GOOD
RET3.1	CHLORO	BP	Spring2	2337905	90.9	GOOD
RET3.1	CHLORO	AP	Summer1	1331663	89.1	GOOD
RET3.1	CHLORO	BP	Summer1	986112	90.5	GOOD
RET3.1	CHLORO	AP	Summer2	687458	86.8	GOOD
RET3.1	CHLORO	BP	Summer2	1095680	90.8	GOOD
RET3.1	CHLORO	AP	Winter	200294	85.0	GOOD
RET3.1	CHLORO	BP	Winter	389973	91.5	GOOD
RET3.1	CHLORO_C	AP	Annual	17508914	89.3	GOOD
RET3.1	CHLORO_C	BP	Annual	12777868	91.5	GOOD
RET3.1	CHLORO_C	AP	Fall	13226765	92.2	GOOD
RET3.1	CHLORO_C	BP	Fall	8782096	94.5	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
RET3.1	CHLORO_C	AP	SAV1	35228535	90.3	GOOD
RET3.1	CHLORO_C	BP	SAV1	24235388	91.7	GOOD
RET3.1	CHLORO_C	AP	SAV2	18917162	88.0	GOOD
RET3.1	CHLORO_C	BP	SAV2	31890469	91.8	GOOD
RET3.1	CHLORO_C	AP	Spring1	39815234	84.6	GOOD
RET3.1	CHLORO_C	BP	Spring1	43182392	88.8	GOOD
RET3.1	CHLORO_C	AP	Spring2	35228535	84.1	GOOD
RET3.1	CHLORO_C	BP	Spring2	89622671	89.9	GOOD
RET3.1	CHLORO_C	AP	Summer1	16283019	90.0	GOOD
RET3.1	CHLORO_C	BP	Summer1	18544825	93.1	GOOD
RET3.1	CHLORO_C	AP	Summer2	15255984	89.0	GOOD
RET3.1	CHLORO_C	BP	Summer2	14614015	92.3	GOOD
RET3.1	CHLORO_C	AP	Winter	4878904	89.1	GOOD
RET3.1	CHLORO_C	BP	Winter	6340262	87.8	GOOD
RET3.1	PICO	AP	Annual	158910000	84.9	POOR
RET3.1	PICO	BP	Annual	105440000	83.5	POOR
RET3.1	PICO	AP	Fall	134910000	87.0	POOR
RET3.1	PICO	BP	Fall	69036190	83.6	POOR
RET3.1	PICO	AP	SAV1	126350000	85.9	POOR
RET3.1	PICO	BP	SAV1	88040000	84.8	POOR
RET3.1	PICO	AP	SAV2	361920000	85.0	POOR
RET3.1	PICO	BP	SAV2	426740000	89.5	POOR
RET3.1	PICO	AP	Spring1	16384000	87.3	POOR
RET3.1	PICO	BP	Spring1	30986000	94.9	POOR
RET3.1	PICO	AP	Spring2	126350000	86.8	POOR
RET3.1	PICO	BP	Spring2	105440000	88.4	POOR
RET3.1	PICO	AP	Summer1	711430000	92.6	POOR
RET3.1	PICO	BP	Summer1	617840000	93.4	POOR
RET3.1	PICO	AP	Summer2	712460000	94.1	POOR
RET3.1	PICO	BP	Summer2	676800000	94.4	POOR
RET3.1	PICO	AP	Winter	9372000	89.7	POOR
RET3.1	PICO	BP	Winter	6283000	80.9	POOR
RET3.1	PICO_C	AP	Annual	238360000	84.9	POOR
RET3.1	PICO_C	BP	Annual	158160000	83.5	POOR
RET3.1	PICO_C	AP	Fall	202360000	87.0	POOR
RET3.1	PICO_C	BP	Fall	103550000	83.6	POOR
RET3.1	PICO_C	AP	SAV1	189520000	85.9	POOR
RET3.1	PICO_C	BP	SAV1	132060000	84.8	POOR
RET3.1	PICO_C	AP	SAV2	542880000	85.0	POOR
RET3.1	PICO_C	BP	SAV2	640110000	89.5	POOR
RET3.1	PICO_C	AP	Spring1	24576000	87.3	POOR
RET3.1	PICO_C	BP	Spring1	46479000	94.9	POOR
RET3.1	PICO_C	AP	Spring2	189520000	86.8	POOR
RET3.1	PICO_C	BP	Spring2	158160000	88.4	POOR
RET3.1	PICO_C	AP	Summer1	1067100000	92.6	POOR
RET3.1	PICO_C	BP	Summer1	926760000	93.4	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
RET3.1	PICO_C	AP	Summer2	1068700000	94.1	POOR
RET3.1	PICO_C	BP	Summer2	1015200000	94.4	POOR
RET3.1	PICO_C	AP	Winter	14058000	89.7	POOR
RET3.1	PICO_C	BP	Winter	9424500	80.9	POOR
RET3.1	PROCAR_C	AP	Annual	0.036	31.0	GOOD
RET3.1	PROCAR_C	BP	Annual	0.020	32.0	GOOD
RET3.1	PROCAR_C	AP	Fall	0.031	34.5	GOOD
RET3.1	PROCAR_C	BP	Fall	0.018	35.7	GOOD
RET3.1	PROCAR_C	AP	SAV1	0.030	31.8	GOOD
RET3.1	PROCAR_C	BP	SAV1	0.019	33.4	GOOD
RET3.1	PROCAR_C	AP	SAV2	0.048	28.8	GOOD
RET3.1	PROCAR_C	BP	SAV2	0.029	29.4	GOOD
RET3.1	PROCAR_C	AP	Spring1	0.017	32.0	GOOD
RET3.1	PROCAR_C	BP	Spring1	0.017	33.4	GOOD
RET3.1	PROCAR_C	AP	Spring2	0.030	28.2	GOOD
RET3.1	PROCAR_C	BP	Spring2	0.030	30.1	GOOD
RET3.1	PROCAR_C	AP	Summer1	0.101	28.5	GOOD
RET3.1	PROCAR_C	BP	Summer1	0.037	27.5	GOOD
RET3.1	PROCAR_C	AP	Summer2	0.116	30.7	GOOD
RET3.1	PROCAR_C	BP	Summer2	0.029	28.0	GOOD
RET3.1	PROCAR_C	AP	Winter	0.022	31.0	GOOD
RET3.1	PROCAR_C	BP	Winter	0.007	34.2	GOOD
LE3.6	TOTBMASS	AP	Annual	534980000	27.5	POOR
LE3.6	TOTBMASS	BP	Annual	541040000	38.3	POOR
LE3.6	TOTBMASS	AP	Fall	356910000	37.4	POOR
LE3.6	TOTBMASS	BP	Fall	444580000	53.6	FAIR
LE3.6	TOTBMASS	AP	SAV1	535680000	30.5	POOR
LE3.6	TOTBMASS	BP	SAV1	516050000	39.8	POOR
LE3.6	TOTBMASS	AP	SAV2	536070000	21.1	POOR
LE3.6	TOTBMASS	BP	SAV2	576740000	31.5	POOR
LE3.6	TOTBMASS	AP	Spring1	697550000	21.6	POOR
LE3.6	TOTBMASS	BP	Spring1	798070000	26.6	POOR
LE3.6	TOTBMASS	AP	Spring2	527080000	11.9	POOR
LE3.6	TOTBMASS	BP	Spring2	803400000	27.0	POOR
LE3.6	TOTBMASS	AP	Summer1	566770000	18.5	POOR
LE3.6	TOTBMASS	BP	Summer1	599350000	33.3	POOR
LE3.6	TOTBMASS	AP	Summer2	774590000	30.0	POOR
LE3.6	TOTBMASS	BP	Summer2	404460000	27.8	POOR
LE3.6	TOTBMASS	AP	Winter	440070000	23.8	POOR
LE3.6	TOTBMASS	BP	Winter	311990000	16.2	POOR
LE3.6	RATIO	AP	Annual	74.76	29.8	POOR
LE3.6	RATIO	BP	Annual	73.25	26.1	POOR
LE3.6	RATIO	AP	Fall	59.17	34.0	POOR
LE3.6	RATIO	BP	Fall	73.25	39.3	POOR
LE3.6	RATIO	AP	SAV1	72.85	30.5	POOR
LE3.6	RATIO	BP	SAV1	71.94	27.4	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
LE3.6	RATIO	AP	SAV2	79.04	28.3	POOR
LE3.6	RATIO	BP	SAV2	71.94	18.7	POOR
LE3.6	RATIO	AP	Spring1	79.77	23.2	POOR
LE3.6	RATIO	BP	Spring1	84.75	22.5	POOR
LE3.6	RATIO	AP	Spring2	81.13	19.1	POOR
LE3.6	RATIO	BP	Spring2	81.18	12.7	POOR
LE3.6	RATIO	AP	Summer1	79.04	27.5	POOR
LE3.6	RATIO	BP	Summer1	67.55	16.3	POOR
LE3.6	RATIO	AP	Summer2	82.51	34.0	POOR
LE3.6	RATIO	BP	Summer2	67.32	20.8	POOR
LE3.6	RATIO	AP	Winter	39.76	16.1	POOR
LE3.6	RATIO	BP	Winter	64.18	23.5	POOR
LE3.6	MARGALEF	AP	Annual	2.57	94.3	POOR
LE3.6	MARGALEF	BP	Annual	2.63	93.3	POOR
LE3.6	MARGALEF	AP	Fall	2.69	98.9	POOR
LE3.6	MARGALEF	BP	Fall	2.36	92.1	POOR
LE3.6	MARGALEF	AP	SAV1	2.63	98.2	POOR
LE3.6	MARGALEF	BP	SAV1	2.63	96.0	POOR
LE3.6	MARGALEF	AP	SAV2	2.45	93.8	POOR
LE3.6	MARGALEF	BP	SAV2	2.63	95.3	POOR
LE3.6	MARGALEF	AP	Spring1	2.47	97.1	POOR
LE3.6	MARGALEF	BP	Spring1	2.71	95.5	POOR
LE3.6	MARGALEF	AP	Spring2	2.35	95.3	POOR
LE3.6	MARGALEF	BP	Spring2	2.64	97.8	POOR
LE3.6	MARGALEF	AP	Summer1	2.54	92.0	POOR
LE3.6	MARGALEF	BP	Summer1	2.65	93.9	POOR
LE3.6	MARGALEF	AP	Summer2	2.55	91.0	POOR
LE3.6	MARGALEF	BP	Summer2	2.62	91.5	POOR
LE3.6	MARGALEF	AP	Winter	2.18	55.1	FAIR
LE3.6	MARGALEF	BP	Winter	2.68	79.2	POOR
LE3.6	DIATOM	AP	Annual	4061722	70.0	GOOD
LE3.6	DIATOM	BP	Annual	3979370	74.1	GOOD
LE3.6	DIATOM	AP	Fall	2456216	63.4	GOOD
LE3.6	DIATOM	BP	Fall	3278592	78.6	GOOD
LE3.6	DIATOM	AP	SAV1	3915008	62.2	GOOD
LE3.6	DIATOM	BP	SAV1	3760896	66.9	GOOD
LE3.6	DIATOM	AP	SAV2	3341113	61.0	GOOD
LE3.6	DIATOM	BP	SAV2	3760896	75.6	GOOD
LE3.6	DIATOM	AP	Spring1	4080512	48.0	FAIR
LE3.6	DIATOM	BP	Spring1	4069386	46.8	FAIR
LE3.6	DIATOM	AP	Spring2	3341113	50.9	FAIR
LE3.6	DIATOM	BP	Spring2	4069386	69.9	GOOD
LE3.6	DIATOM	AP	Summer1	3504585	73.2	GOOD
LE3.6	DIATOM	BP	Summer1	3819008	87.4	GOOD
LE3.6	DIATOM	AP	Summer2	4280192	75.1	GOOD
LE3.6	DIATOM	BP	Summer2	3789952	83.9	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
LE3.6	DIATOM	AP	Winter	5634950	74.2	GOOD
LE3.6	DIATOM	BP	Winter	6096128	69.4	GOOD
LE3.6	DIATOM_C	AP	Annual	276250000	53.2	FAIR
LE3.6	DIATOM_C	BP	Annual	386130000	56.7	GOOD
LE3.6	DIATOM_C	AP	Fall	145260000	59.3	GOOD
LE3.6	DIATOM_C	BP	Fall	290470000	62.2	GOOD
LE3.6	DIATOM_C	AP	SAV1	304210000	54.0	FAIR
LE3.6	DIATOM_C	BP	SAV1	390450000	54.6	FAIR
LE3.6	DIATOM_C	AP	SAV2	276250000	52.0	FAIR
LE3.6	DIATOM_C	BP	SAV2	386130000	57.6	GOOD
LE3.6	DIATOM_C	AP	Spring1	507410000	48.7	FAIR
LE3.6	DIATOM_C	BP	Spring1	514740000	39.8	POOR
LE3.6	DIATOM_C	AP	Spring2	337330000	48.9	FAIR
LE3.6	DIATOM_C	BP	Spring2	562540000	48.7	FAIR
LE3.6	DIATOM_C	AP	Summer1	263350000	50.4	FAIR
LE3.6	DIATOM_C	BP	Summer1	313550000	57.1	FAIR
LE3.6	DIATOM_C	AP	Summer2	304210000	53.0	FAIR
LE3.6	DIATOM_C	BP	Summer2	287320000	58.2	GOOD
LE3.6	DIATOM_C	AP	Winter	401550000	50.2	FAIR
LE3.6	DIATOM_C	BP	Winter	276290000	28.5	POOR
LE3.6	DINOFLG	AP	Annual	347941	40.6	GOOD
LE3.6	DINOFLG	BP	Annual	237824	58.8	POOR
LE3.6	DINOFLG	AP	Fall	205924	48.8	FAIR
LE3.6	DINOFLG	BP	Fall	152653	65.8	POOR
LE3.6	DINOFLG	AP	SAV1	319894	48.2	FAIR
LE3.6	DINOFLG	BP	SAV1	260736	61.4	POOR
LE3.6	DINOFLG	AP	SAV2	402771	48.0	FAIR
LE3.6	DINOFLG	BP	SAV2	370773	72.5	POOR
LE3.6	DINOFLG	AP	Spring1	409727	28.5	GOOD
LE3.6	DINOFLG	BP	Spring1	348248	36.6	GOOD
LE3.6	DINOFLG	AP	Spring2	515228	32.6	GOOD
LE3.6	DINOFLG	BP	Spring2	412597	59.0	POOR
LE3.6	DINOFLG	AP	Summer1	463046	45.6	FAIR
LE3.6	DINOFLG	BP	Summer1	370773	83.0	POOR
LE3.6	DINOFLG	AP	Summer2	534374	50.9	FAIR
LE3.6	DINOFLG	BP	Summer2	198067	70.3	POOR
LE3.6	DINOFLG	AP	Winter	98738	4.7	GOOD
LE3.6	DINOFLG	BP	Winter	107826	13.7	GOOD
LE3.6	DINOFL_C	AP	Annual	145010000	74.5	POOR
LE3.6	DINOFL_C	BP	Annual	66499548	77.4	POOR
LE3.6	DINOFL_C	AP	Fall	107840000	77.0	POOR
LE3.6	DINOFL_C	BP	Fall	30336019	78.9	POOR
LE3.6	DINOFL_C	AP	SAV1	107840000	74.7	POOR
LE3.6	DINOFL_C	BP	SAV1	47750391	76.3	POOR
LE3.6	DINOFL_C	AP	SAV2	226090000	74.1	POOR
LE3.6	DINOFL_C	BP	SAV2	74004965	77.4	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
LE3.6	DINOFL_C	AP	Spring1	53690409	68.3	POOR
LE3.6	DINOFL_C	BP	Spring1	87837848	76.4	POOR
LE3.6	DINOFL_C	AP	Spring2	166450000	73.9	POOR
LE3.6	DINOFL_C	BP	Spring2	122310000	80.0	POOR
LE3.6	DINOFL_C	AP	Summer1	260170000	74.7	POOR
LE3.6	DINOFL_C	BP	Summer1	115820000	81.3	POOR
LE3.6	DINOFL_C	AP	Summer2	278970000	76.5	POOR
LE3.6	DINOFL_C	BP	Summer2	71711114	78.4	POOR
LE3.6	DINOFL_C	AP	Winter	32679467	63.7	POOR
LE3.6	DINOFL_C	BP	Winter	38314836	67.6	POOR
LE3.6	CYANO	AP	Annual	595085	59.5	POOR
LE3.6	CYANO	BP	Annual	766976	67.2	POOR
LE3.6	CYANO	AP	Fall	233674	65.7	POOR
LE3.6	CYANO	BP	Fall	300438	70.9	POOR
LE3.6	CYANO	AP	SAV1	654276	63.1	POOR
LE3.6	CYANO	BP	SAV1	1236096	73.5	POOR
LE3.6	CYANO	AP	SAV2	822421	42.5	FAIR
LE3.6	CYANO	BP	SAV2	986581	58.3	POOR
LE3.6	CYANO	AP	Spring1	450660	61.2	POOR
LE3.6	CYANO	BP	Spring1	1387008	75.1	POOR
LE3.6	CYANO	AP	Spring2	529536	38.1	GOOD
LE3.6	CYANO	BP	Spring2	1259341	60.9	POOR
LE3.6	CYANO	AP	Summer1	1113856	29.0	GOOD
LE3.6	CYANO	BP	Summer1	666078	45.2	FAIR
LE3.6	CYANO	AP	Summer2	1242931	28.2	GOOD
LE3.6	CYANO	BP	Summer2	524783	41.1	GOOD
LE3.6	CYANO	AP	Winter	400589	69.0	POOR
LE3.6	CYANO	BP	Winter	232832	69.0	POOR
LE3.6	CYANO_C	AP	Annual	3756614	55.4	FAIR
LE3.6	CYANO_C	BP	Annual	2760351	59.6	POOR
LE3.6	CYANO_C	AP	Fall	1949509	66.1	POOR
LE3.6	CYANO_C	BP	Fall	1315251	67.3	POOR
LE3.6	CYANO_C	AP	SAV1	4993464	59.5	POOR
LE3.6	CYANO_C	BP	SAV1	6282806	68.2	POOR
LE3.6	CYANO_C	AP	SAV2	5279956	42.5	FAIR
LE3.6	CYANO_C	BP	SAV2	6042032	52.6	FAIR
LE3.6	CYANO_C	AP	Spring1	4405287	58.2	POOR
LE3.6	CYANO_C	BP	Spring1	6050474	68.2	POOR
LE3.6	CYANO_C	AP	Spring2	3416960	32.5	GOOD
LE3.6	CYANO_C	BP	Spring2	6297373	48.7	FAIR
LE3.6	CYANO_C	AP	Summer1	6205526	35.0	GOOD
LE3.6	CYANO_C	BP	Summer1	3320875	41.3	GOOD
LE3.6	CYANO_C	AP	Summer2	7484334	42.5	FAIR
LE3.6	CYANO_C	BP	Summer2	2741737	45.4	FAIR
LE3.6	CYANO_C	AP	Winter	2159296	62.6	POOR
LE3.6	CYANO_C	BP	Winter	1769523	63.1	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
LE3.6	CHLORO	AP	Annual	17287	69.1	GOOD
LE3.6	CHLORO	BP	Annual	34483	79.9	GOOD
LE3.6	CHLORO	AP	Fall	31476	84.8	GOOD
LE3.6	CHLORO	BP	Fall	896	68.8	GOOD
LE3.6	CHLORO	AP	SAV1	42436	77.0	GOOD
LE3.6	CHLORO	BP	SAV1	63436	81.1	GOOD
LE3.6	CHLORO	AP	SAV2	24084	66.8	GOOD
LE3.6	CHLORO	BP	SAV2	64998	76.5	GOOD
LE3.6	CHLORO	AP	Spring1	136691	74.1	GOOD
LE3.6	CHLORO	BP	Spring1	48960	71.2	GOOD
LE3.6	CHLORO	AP	Spring2	185291	65.2	GOOD
LE3.6	CHLORO	BP	Spring2	48960	66.1	GOOD
LE3.6	CHLORO	AP	Summer1	8346	62.0	GOOD
LE3.6	CHLORO	BP	Summer1	109568	81.5	GOOD
LE3.6	CHLORO	AP	Summer2	0	4.7	POOR
LE3.6	CHLORO	BP	Summer2	121549	81.6	GOOD
LE3.6	CHLORO	AP	Winter	1408	54.0	FAIR
LE3.6	CHLORO	BP	Winter	256	49.3	FAIR
LE3.6	CHLORO_C	AP	Annual	459308	79.0	GOOD
LE3.6	CHLORO_C	BP	Annual	762454	85.1	GOOD
LE3.6	CHLORO_C	AP	Fall	430071	84.3	GOOD
LE3.6	CHLORO_C	BP	Fall	293592	88.0	GOOD
LE3.6	CHLORO_C	AP	SAV1	915591	80.6	GOOD
LE3.6	CHLORO_C	BP	SAV1	977091	84.1	GOOD
LE3.6	CHLORO_C	AP	SAV2	702068	79.0	GOOD
LE3.6	CHLORO_C	BP	SAV2	1854522	86.0	GOOD
LE3.6	CHLORO_C	AP	Spring1	2951314	75.1	GOOD
LE3.6	CHLORO_C	BP	Spring1	863687	76.6	GOOD
LE3.6	CHLORO_C	AP	Spring2	3011425	75.3	GOOD
LE3.6	CHLORO_C	BP	Spring2	863687	76.1	GOOD
LE3.6	CHLORO_C	AP	Summer1	1516211	85.1	GOOD
LE3.6	CHLORO_C	BP	Summer1	3207055	90.3	GOOD
LE3.6	CHLORO_C	AP	Summer2	0	16.9	POOR
LE3.6	CHLORO_C	BP	Summer2	3883295	89.8	GOOD
LE3.6	CHLORO_C	AP	Winter	177999	79.4	GOOD
LE3.6	CHLORO_C	BP	Winter	2924	55.7	FAIR
LE3.6	PICO	AP	Annual	49440000	69.9	POOR
LE3.6	PICO	BP	Annual	49607000	72.5	POOR
LE3.6	PICO	AP	Fall	38320000	63.8	POOR
LE3.6	PICO	BP	Fall	47466000	76.0	POOR
LE3.6	PICO	AP	SAV1	35520000	67.2	POOR
LE3.6	PICO	BP	SAV1	29027000	67.1	POOR
LE3.6	PICO	AP	SAV2	257680000	75.8	POOR
LE3.6	PICO	BP	SAV2	218000000	81.0	POOR
LE3.6	PICO	AP	Spring1	15070080	86.2	POOR
LE3.6	PICO	BP	Spring1	10176768	78.5	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
LE3.6	PICO	AP	Spring2	40200000	74.9	POOR
LE3.6	PICO	BP	Spring2	38242000	79.8	POOR
LE3.6	PICO	AP	Summer1	466520000	84.0	POOR
LE3.6	PICO	BP	Summer1	475900000	89.0	POOR
LE3.6	PICO	AP	Summer2	441120000	86.8	POOR
LE3.6	PICO	BP	Summer2	585790000	92.4	POOR
LE3.6	PICO	AP	Winter	14320000	94.7	POOR
LE3.6	PICO	BP	Winter	10720000	90.7	POOR
LE3.6	PICO_C	AP	Annual	74160000	69.9	POOR
LE3.6	PICO_C	BP	Annual	74410500	72.5	POOR
LE3.6	PICO_C	AP	Fall	57480000	63.8	POOR
LE3.6	PICO_C	BP	Fall	71199000	76.0	POOR
LE3.6	PICO_C	AP	SAV1	53280000	67.2	POOR
LE3.6	PICO_C	BP	SAV1	43540500	67.1	POOR
LE3.6	PICO_C	AP	SAV2	386520000	75.8	POOR
LE3.6	PICO_C	BP	SAV2	327000000	81.0	POOR
LE3.6	PICO_C	AP	Spring1	22605120	86.2	POOR
LE3.6	PICO_C	BP	Spring1	15265152	78.5	POOR
LE3.6	PICO_C	AP	Spring2	60300000	74.9	POOR
LE3.6	PICO_C	BP	Spring2	57363000	79.8	POOR
LE3.6	PICO_C	AP	Summer1	699780000	84.0	POOR
LE3.6	PICO_C	BP	Summer1	713850000	89.0	POOR
LE3.6	PICO_C	AP	Summer2	661680000	86.8	POOR
LE3.6	PICO_C	BP	Summer2	878690000	92.4	POOR
LE3.6	PICO_C	AP	Winter	21480000	94.7	POOR
LE3.6	PICO_C	BP	Winter	16080000	90.7	POOR
LE3.6	PROCAR_C	AP	Annual	0.008	30.0	GOOD
LE3.6	PROCAR_C	BP	Annual	0.006	31.5	GOOD
LE3.6	PROCAR_C	AP	Fall	0.006	32.9	GOOD
LE3.6	PROCAR_C	BP	Fall	0.005	34.8	GOOD
LE3.6	PROCAR_C	AP	SAV1	0.008	30.8	GOOD
LE3.6	PROCAR_C	BP	SAV1	0.011	33.0	GOOD
LE3.6	PROCAR_C	AP	SAV2	0.008	27.5	GOOD
LE3.6	PROCAR_C	BP	SAV2	0.008	28.8	GOOD
LE3.6	PROCAR_C	AP	Spring1	0.007	31.5	GOOD
LE3.6	PROCAR_C	BP	Spring1	0.008	33.0	GOOD
LE3.6	PROCAR_C	AP	Spring2	0.007	27.5	GOOD
LE3.6	PROCAR_C	BP	Spring2	0.009	29.5	GOOD
LE3.6	PROCAR_C	AP	Summer1	0.011	26.1	GOOD
LE3.6	PROCAR_C	BP	Summer1	0.006	26.8	GOOD
LE3.6	PROCAR_C	AP	Summer2	0.013	27.4	GOOD
LE3.6	PROCAR_C	BP	Summer2	0.006	27.4	GOOD
LE3.6	PROCAR_C	AP	Winter	0.005	30.5	GOOD
LE3.6	PROCAR_C	BP	Winter	0.004	34.1	GOOD
CB6.1	TOTBMASS	AP	Annual	452870000	23.7	POOR
CB6.1	TOTBMASS	BP	Annual	335140000	27.0	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
CB6.1	TOTBMASS	AP	Fall	471190000	43.7	FAIR
CB6.1	TOTBMASS	BP	Fall	246110000	43.1	FAIR
CB6.1	TOTBMASS	AP	SAV1	514370000	29.7	POOR
CB6.1	TOTBMASS	BP	SAV1	463710000	37.8	POOR
CB6.1	TOTBMASS	AP	SAV2	461500000	17.7	POOR
CB6.1	TOTBMASS	BP	SAV2	280710000	15.4	POOR
CB6.1	TOTBMASS	AP	Spring1	625090000	19.7	POOR
CB6.1	TOTBMASS	BP	Spring1	613460000	21.0	POOR
CB6.1	TOTBMASS	AP	Spring2	565310000	11.8	POOR
CB6.1	TOTBMASS	BP	Spring2	387230000	10.6	POOR
CB6.1	TOTBMASS	AP	Summer1	385250000	13.3	POOR
CB6.1	TOTBMASS	BP	Summer1	185120000	11.6	POOR
CB6.1	TOTBMASS	AP	Summer2	488450000	21.0	POOR
CB6.1	TOTBMASS	BP	Summer2	188770000	14.6	POOR
CB6.1	TOTBMASS	AP	Winter	258270000	15.8	POOR
CB6.1	TOTBMASS	BP	Winter	377770000	18.9	POOR
CB6.1	RATIO	AP	Annual	80.19	32.1	POOR
CB6.1	RATIO	BP	Annual	90.17	32.2	POOR
CB6.1	RATIO	AP	Fall	95.08	48.2	FAIR
CB6.1	RATIO	BP	Fall	99.80	48.4	FAIR
CB6.1	RATIO	AP	SAV1	84.79	34.9	POOR
CB6.1	RATIO	BP	SAV1	97.82	36.3	POOR
CB6.1	RATIO	AP	SAV2	76.54	25.0	POOR
CB6.1	RATIO	BP	SAV2	90.37	25.2	POOR
CB6.1	RATIO	AP	Spring1	90.32	26.8	POOR
CB6.1	RATIO	BP	Spring1	101.37	27.8	POOR
CB6.1	RATIO	AP	Spring2	82.67	17.4	POOR
CB6.1	RATIO	BP	Spring2	93.81	17.7	POOR
CB6.1	RATIO	AP	Summer1	76.54	24.1	POOR
CB6.1	RATIO	BP	Summer1	63.93	15.6	POOR
CB6.1	RATIO	AP	Summer2	79.85	33.0	POOR
CB6.1	RATIO	BP	Summer2	60.19	18.4	POOR
CB6.1	RATIO	AP	Winter	60.74	28.1	POOR
CB6.1	RATIO	BP	Winter	52.92	17.7	POOR
CB6.1	MARGALEF	AP	Annual	2.56	94.3	POOR
CB6.1	MARGALEF	BP	Annual	2.54	91.3	POOR
CB6.1	MARGALEF	AP	Fall	2.89	99.4	POOR
CB6.1	MARGALEF	BP	Fall	2.56	95.8	POOR
CB6.1	MARGALEF	AP	SAV1	2.38	96.1	POOR
CB6.1	MARGALEF	BP	SAV1	2.62	95.9	POOR
CB6.1	MARGALEF	AP	SAV2	2.57	95.6	POOR
CB6.1	MARGALEF	BP	SAV2	2.48	93.3	POOR
CB6.1	MARGALEF	AP	Spring1	2.33	95.5	POOR
CB6.1	MARGALEF	BP	Spring1	2.58	93.5	POOR
CB6.1	MARGALEF	AP	Spring2	2.32	92.1	POOR
CB6.1	MARGALEF	BP	Spring2	2.48	96.2	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
CB6.1	MARGALEF	AP	Summer1	2.54	92.1	POOR
CB6.1	MARGALEF	BP	Summer1	2.51	91.7	POOR
CB6.1	MARGALEF	AP	Summer2	2.56	91.1	POOR
CB6.1	MARGALEF	BP	Summer2	2.49	88.6	POOR
CB6.1	MARGALEF	AP	Winter	2.61	80.2	POOR
CB6.1	MARGALEF	BP	Winter	2.53	72.4	POOR
CB6.1	DIATOM	AP	Annual	2860275	57.1	GOOD
CB6.1	DIATOM	BP	Annual	2280326	51.9	FAIR
CB6.1	DIATOM	AP	Fall	2702866	66.8	GOOD
CB6.1	DIATOM	BP	Fall	1657600	53.4	FAIR
CB6.1	DIATOM	AP	SAV1	3197952	54.7	FAIR
CB6.1	DIATOM	BP	SAV1	2785280	55.4	FAIR
CB6.1	DIATOM	AP	SAV2	2777485	54.0	FAIR
CB6.1	DIATOM	BP	SAV2	1955904	49.8	FAIR
CB6.1	DIATOM	AP	Spring1	3175005	37.8	POOR
CB6.1	DIATOM	BP	Spring1	2467277	25.7	POOR
CB6.1	DIATOM	AP	Spring2	2777485	44.2	FAIR
CB6.1	DIATOM	BP	Spring2	1639788	33.8	POOR
CB6.1	DIATOM	AP	Summer1	2725066	63.7	GOOD
CB6.1	DIATOM	BP	Summer1	1997526	59.1	GOOD
CB6.1	DIATOM	AP	Summer2	3641523	70.0	GOOD
CB6.1	DIATOM	BP	Summer2	2997730	77.9	GOOD
CB6.1	DIATOM	AP	Winter	2879078	51.7	FAIR
CB6.1	DIATOM	BP	Winter	3508439	46.7	FAIR
CB6.1	DIATOM_C	AP	Annual	252940000	52.5	FAIR
CB6.1	DIATOM_C	BP	Annual	219260000	49.3	FAIR
CB6.1	DIATOM_C	AP	Fall	171120000	60.5	GOOD
CB6.1	DIATOM_C	BP	Fall	190560000	58.5	GOOD
CB6.1	DIATOM_C	AP	SAV1	304090000	54.0	FAIR
CB6.1	DIATOM_C	BP	SAV1	280580000	50.4	FAIR
CB6.1	DIATOM_C	AP	SAV2	252940000	51.3	FAIR
CB6.1	DIATOM_C	BP	SAV2	201240000	48.9	FAIR
CB6.1	DIATOM_C	AP	Spring1	460090000	47.1	FAIR
CB6.1	DIATOM_C	BP	Spring1	503910000	39.2	POOR
CB6.1	DIATOM_C	AP	Spring2	399220000	50.5	FAIR
CB6.1	DIATOM_C	BP	Spring2	246250000	24.5	POOR
CB6.1	DIATOM_C	AP	Summer1	223790000	50.3	FAIR
CB6.1	DIATOM_C	BP	Summer1	149410000	48.1	FAIR
CB6.1	DIATOM_C	AP	Summer2	228210000	50.1	FAIR
CB6.1	DIATOM_C	BP	Summer2	157950000	52.1	FAIR
CB6.1	DIATOM_C	AP	Winter	223590000	33.9	POOR
CB6.1	DIATOM_C	BP	Winter	297780000	30.4	POOR
CB6.1	DINOFLG	AP	Annual	229169	35.1	GOOD
CB6.1	DINOFLG	BP	Annual	99640	42.5	GOOD
CB6.1	DINOFLG	AP	Fall	194694	47.9	FAIR
CB6.1	DINOFLG	BP	Fall	67532	54.9	FAIR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
CB6.1	DINOFLG	AP	SAV1	261629	44.3	FAIR
CB6.1	DINOFLG	BP	SAV1	165630	54.3	FAIR
CB6.1	DINOFLG	AP	SAV2	285247	41.8	GOOD
CB6.1	DINOFLG	BP	SAV2	85272	42.0	GOOD
CB6.1	DINOFLG	AP	Spring1	371954	26.6	GOOD
CB6.1	DINOFLG	BP	Spring1	200730	24.2	GOOD
CB6.1	DINOFLG	AP	Spring2	371954	27.0	GOOD
CB6.1	DINOFLG	BP	Spring2	79289	14.7	GOOD
CB6.1	DINOFLG	AP	Summer1	229169	28.3	GOOD
CB6.1	DINOFLG	BP	Summer1	80875	40.6	GOOD
CB6.1	DINOFLG	AP	Summer2	199780	25.3	GOOD
CB6.1	DINOFLG	BP	Summer2	100928	55.8	FAIR
CB6.1	DINOFLG	AP	Winter	155979	7.6	GOOD
CB6.1	DINOFLG	BP	Winter	101683	13.1	GOOD
CB6.1	DINOFL_C	AP	Annual	71558850	67.9	POOR
CB6.1	DINOFL_C	BP	Annual	45096206	74.9	POOR
CB6.1	DINOFL_C	AP	Fall	70233304	74.3	POOR
CB6.1	DINOFL_C	BP	Fall	30431458	78.9	POOR
CB6.1	DINOFL_C	AP	SAV1	70233304	71.4	POOR
CB6.1	DINOFL_C	BP	SAV1	62987444	77.8	POOR
CB6.1	DINOFL_C	AP	SAV2	94804497	64.2	POOR
CB6.1	DINOFL_C	BP	SAV2	41388828	73.8	POOR
CB6.1	DINOFL_C	AP	Spring1	69875507	70.6	POOR
CB6.1	DINOFL_C	BP	Spring1	76497263	75.5	POOR
CB6.1	DINOFL_C	AP	Spring2	69875507	62.3	POOR
CB6.1	DINOFL_C	BP	Spring2	38094619	70.7	POOR
CB6.1	DINOFL_C	AP	Summer1	132010000	67.7	POOR
CB6.1	DINOFL_C	BP	Summer1	41388828	73.5	POOR
CB6.1	DINOFL_C	AP	Summer2	170160000	70.7	POOR
CB6.1	DINOFL_C	BP	Summer2	46275642	75.1	POOR
CB6.1	DINOFL_C	AP	Winter	31020495	63.0	POOR
CB6.1	DINOFL_C	BP	Winter	65414812	72.0	POOR
CB6.1	CYANO	AP	Annual	522800	59.0	POOR
CB6.1	CYANO	BP	Annual	459895	63.7	POOR
CB6.1	CYANO	AP	Fall	205440	64.8	POOR
CB6.1	CYANO	BP	Fall	171354	67.1	POOR
CB6.1	CYANO	AP	SAV1	684800	63.5	POOR
CB6.1	CYANO	BP	SAV1	788043	70.4	POOR
CB6.1	CYANO	AP	SAV2	1176434	47.2	FAIR
CB6.1	CYANO	BP	SAV2	505208	49.5	FAIR
CB6.1	CYANO	AP	Spring1	1320956	69.5	POOR
CB6.1	CYANO	BP	Spring1	721212	70.6	POOR
CB6.1	CYANO	AP	Spring2	1293349	54.4	FAIR
CB6.1	CYANO	BP	Spring2	323271	40.9	GOOD
CB6.1	CYANO	AP	Summer1	658413	24.4	GOOD
CB6.1	CYANO	BP	Summer1	505208	39.6	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
CB6.1	CYANO	AP	Summer2	755290	19.6	GOOD
CB6.1	CYANO	BP	Summer2	550071	42.3	FAIR
CB6.1	CYANO	AP	Winter	283750	66.8	POOR
CB6.1	CYANO	BP	Winter	263621	69.7	POOR
CB6.1	CYANO_C	AP	Annual	2653204	54.3	FAIR
CB6.1	CYANO_C	BP	Annual	2343824	58.4	POOR
CB6.1	CYANO_C	AP	Fall	1541702	65.1	POOR
CB6.1	CYANO_C	BP	Fall	1299180	67.3	POOR
CB6.1	CYANO_C	AP	SAV1	3282931	57.3	POOR
CB6.1	CYANO_C	BP	SAV1	2470424	63.9	POOR
CB6.1	CYANO_C	AP	SAV2	5670016	43.0	FAIR
CB6.1	CYANO_C	BP	SAV2	3057830	48.1	FAIR
CB6.1	CYANO_C	AP	Spring1	6303758	59.9	POOR
CB6.1	CYANO_C	BP	Spring1	3104330	65.2	POOR
CB6.1	CYANO_C	AP	Spring2	5542973	32.6	GOOD
CB6.1	CYANO_C	BP	Spring2	3104330	43.6	FAIR
CB6.1	CYANO_C	AP	Summer1	4384745	32.2	GOOD
CB6.1	CYANO_C	BP	Summer1	3554692	41.7	GOOD
CB6.1	CYANO_C	AP	Summer2	5599831	40.6	FAIR
CB6.1	CYANO_C	BP	Summer2	3398332	46.8	FAIR
CB6.1	CYANO_C	AP	Winter	852095	58.4	FAIR
CB6.1	CYANO_C	BP	Winter	2003519	63.6	POOR
CB6.1	CHLORO	AP	Annual	31488	72.6	GOOD
CB6.1	CHLORO	BP	Annual	14701	73.3	GOOD
CB6.1	CHLORO	AP	Fall	0	15.3	POOR
CB6.1	CHLORO	BP	Fall	15578	85.2	GOOD
CB6.1	CHLORO	AP	SAV1	33382	75.6	GOOD
CB6.1	CHLORO	BP	SAV1	31974	77.4	GOOD
CB6.1	CHLORO	AP	SAV2	71321	71.5	GOOD
CB6.1	CHLORO	BP	SAV2	20426	68.2	GOOD
CB6.1	CHLORO	AP	Spring1	83455	68.9	GOOD
CB6.1	CHLORO	BP	Spring1	22835	65.0	GOOD
CB6.1	CHLORO	AP	Spring2	130701	61.8	GOOD
CB6.1	CHLORO	BP	Spring2	55242	59.4	GOOD
CB6.1	CHLORO	AP	Summer1	71321	72.2	GOOD
CB6.1	CHLORO	BP	Summer1	20426	69.6	GOOD
CB6.1	CHLORO	AP	Summer2	59187	72.9	GOOD
CB6.1	CHLORO	BP	Summer2	64	22.4	POOR
CB6.1	CHLORO	AP	Winter	1792	55.9	FAIR
CB6.1	CHLORO	BP	Winter	384	52.6	FAIR
CB6.1	CHLORO_C	AP	Annual	828128	80.2	GOOD
CB6.1	CHLORO_C	BP	Annual	629042	84.0	GOOD
CB6.1	CHLORO_C	AP	Fall	0	21.0	POOR
CB6.1	CHLORO_C	BP	Fall	455956	89.1	GOOD
CB6.1	CHLORO_C	AP	SAV1	679165	79.6	GOOD
CB6.1	CHLORO_C	BP	SAV1	931309	84.0	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
CB6.1	CHLORO_C	AP	SAV2	1843772	81.3	GOOD
CB6.1	CHLORO_C	BP	SAV2	877598	83.3	GOOD
CB6.1	CHLORO_C	AP	Spring1	1312001	71.9	GOOD
CB6.1	CHLORO_C	BP	Spring1	543859	73.0	GOOD
CB6.1	CHLORO_C	AP	Spring2	2193797	73.8	GOOD
CB6.1	CHLORO_C	BP	Spring2	2043197	76.1	GOOD
CB6.1	CHLORO_C	AP	Summer1	2657866	84.5	GOOD
CB6.1	CHLORO_C	BP	Summer1	3513537	89.6	GOOD
CB6.1	CHLORO_C	AP	Summer2	1742707	83.3	GOOD
CB6.1	CHLORO_C	BP	Summer2	731	54.2	FAIR
CB6.1	CHLORO_C	AP	Winter	220118	80.2	GOOD
CB6.1	CHLORO_C	BP	Winter	11240	63.0	GOOD
CB6.1	PICO	AP	Annual	52835000	70.7	POOR
CB6.1	PICO	BP	Annual	33174500	66.5	POOR
CB6.1	PICO	AP	Fall	35120000	61.3	POOR
CB6.1	PICO	BP	Fall	19755925	50.9	FAIR
CB6.1	PICO	AP	SAV1	19813000	55.3	FAIR
CB6.1	PICO	BP	SAV1	16289280	54.2	FAIR
CB6.1	PICO	AP	SAV2	290880000	79.6	POOR
CB6.1	PICO	BP	SAV2	96160000	66.8	POOR
CB6.1	PICO	AP	Spring1	8386560	75.1	POOR
CB6.1	PICO	BP	Spring1	10434816	74.8	POOR
CB6.1	PICO	AP	Spring2	30840000	76.1	POOR
CB6.1	PICO	BP	Spring2	21506500	68.7	POOR
CB6.1	PICO	AP	Summer1	480800000	85.6	POOR
CB6.1	PICO	BP	Summer1	155920000	49.0	FAIR
CB6.1	PICO	AP	Summer2	473280000	88.3	POOR
CB6.1	PICO	BP	Summer2	169280000	59.6	POOR
CB6.1	PICO	AP	Winter	9568000	90.0	POOR
CB6.1	PICO	BP	Winter	10240000	90.1	POOR
CB6.1	PICO_C	AP	Annual	79252500	70.7	POOR
CB6.1	PICO_C	BP	Annual	49761750	66.5	POOR
CB6.1	PICO_C	AP	Fall	52680000	61.3	POOR
CB6.1	PICO_C	BP	Fall	29633888	50.9	FAIR
CB6.1	PICO_C	AP	SAV1	29719500	55.3	FAIR
CB6.1	PICO_C	BP	SAV1	24433920	54.2	FAIR
CB6.1	PICO_C	AP	SAV2	436320000	79.6	POOR
CB6.1	PICO_C	BP	SAV2	144240000	66.8	POOR
CB6.1	PICO_C	AP	Spring1	12579840	75.1	POOR
CB6.1	PICO_C	BP	Spring1	15652224	74.8	POOR
CB6.1	PICO_C	AP	Spring2	46260000	76.1	POOR
CB6.1	PICO_C	BP	Spring2	32259750	68.7	POOR
CB6.1	PICO_C	AP	Summer1	721200000	85.6	POOR
CB6.1	PICO_C	BP	Summer1	233880000	49.0	FAIR
CB6.1	PICO_C	AP	Summer2	709920000	88.3	POOR
CB6.1	PICO_C	BP	Summer2	253920000	59.6	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
CB6.1	PICO_C	AP	Winter	14352000	90.0	POOR
CB6.1	PICO_C	BP	Winter	15360000	90.1	POOR
CB6.1	PROCAR_C	AP	Annual	0.007	29.9	GOOD
CB6.1	PROCAR_C	BP	Annual	0.007	31.6	GOOD
CB6.1	PROCAR_C	AP	Fall	0.003	32.7	GOOD
CB6.1	PROCAR_C	BP	Fall	0.003	34.7	GOOD
CB6.1	PROCAR_C	AP	SAV1	0.011	30.9	GOOD
CB6.1	PROCAR_C	BP	SAV1	0.008	32.9	GOOD
CB6.1	PROCAR_C	AP	SAV2	0.010	27.5	GOOD
CB6.1	PROCAR_C	BP	SAV2	0.007	28.8	GOOD
CB6.1	PROCAR_C	AP	Spring1	0.011	31.7	GOOD
CB6.1	PROCAR_C	BP	Spring1	0.005	32.9	GOOD
CB6.1	PROCAR_C	AP	Spring2	0.010	27.6	GOOD
CB6.1	PROCAR_C	BP	Spring2	0.005	29.5	GOOD
CB6.1	PROCAR_C	AP	Summer1	0.008	26.1	GOOD
CB6.1	PROCAR_C	BP	Summer1	0.012	26.9	GOOD
CB6.1	PROCAR_C	AP	Summer2	0.007	27.1	GOOD
CB6.1	PROCAR_C	BP	Summer2	0.012	27.5	GOOD
CB6.1	PROCAR_C	AP	Winter	0.002	30.4	GOOD
CB6.1	PROCAR_C	BP	Winter	0.003	34.1	GOOD
CB6.4	TOTBMASS	AP	Annual	340330000	29.3	POOR
CB6.4	TOTBMASS	BP	Annual	443180000	50.2	FAIR
CB6.4	TOTBMASS	AP	Fall	320350000	52.7	FAIR
CB6.4	TOTBMASS	BP	Fall	238320000	55.8	FAIR
CB6.4	TOTBMASS	AP	SAV1	347720000	29.8	POOR
CB6.4	TOTBMASS	BP	SAV1	499130000	50.9	FAIR
CB6.4	TOTBMASS	AP	SAV2	349960000	23.8	POOR
CB6.4	TOTBMASS	BP	SAV2	508500000	55.3	FAIR
CB6.4	TOTBMASS	AP	Spring1	534560000	24.2	POOR
CB6.4	TOTBMASS	BP	Spring1	819010000	38.8	POOR
CB6.4	TOTBMASS	AP	Spring2	534560000	26.8	POOR
CB6.4	TOTBMASS	BP	Spring2	508500000	35.1	POOR
CB6.4	TOTBMASS	AP	Summer1	265350000	17.5	POOR
CB6.4	TOTBMASS	BP	Summer1	294150000	45.1	FAIR
CB6.4	TOTBMASS	AP	Summer2	308450000	22.2	POOR
CB6.4	TOTBMASS	BP	Summer2	297640000	47.2	FAIR
CB6.4	TOTBMASS	AP	Winter	266270000	17.6	POOR
CB6.4	TOTBMASS	BP	Winter	437320000	25.5	POOR
CB6.4	RATIO	AP	Annual	79.16	29.6	POOR
CB6.4	RATIO	BP	Annual	69.83	25.2	POOR
CB6.4	RATIO	AP	Fall	73.44	41.4	POOR
CB6.4	RATIO	BP	Fall	55.03	28.1	POOR
CB6.4	RATIO	AP	SAV1	79.16	26.3	POOR
CB6.4	RATIO	BP	SAV1	69.83	22.3	POOR
CB6.4	RATIO	AP	SAV2	103.72	37.3	POOR
CB6.4	RATIO	BP	SAV2	73.47	24.3	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
CB6.4	RATIO	AP	Spring1	99.18	20.6	POOR
CB6.4	RATIO	BP	Spring1	110.11	23.2	POOR
CB6.4	RATIO	AP	Spring2	99.18	24.7	POOR
CB6.4	RATIO	BP	Spring2	87.26	20.5	POOR
CB6.4	RATIO	AP	Summer1	93.07	37.6	POOR
CB6.4	RATIO	BP	Summer1	71.24	28.2	POOR
CB6.4	RATIO	AP	Summer2	104.79	45.5	FAIR
CB6.4	RATIO	BP	Summer2	73.47	30.8	POOR
CB6.4	RATIO	AP	Winter	48.05	12.8	POOR
CB6.4	RATIO	BP	Winter	67.64	21.0	POOR
CB6.4	MARGALEF	AP	Annual	2.63	59.1	POOR
CB6.4	MARGALEF	BP	Annual	2.67	58.9	POOR
CB6.4	MARGALEF	AP	Fall	2.65	52.2	FAIR
CB6.4	MARGALEF	BP	Fall	2.66	50.3	FAIR
CB6.4	MARGALEF	AP	SAV1	2.60	56.2	FAIR
CB6.4	MARGALEF	BP	SAV1	2.63	52.9	FAIR
CB6.4	MARGALEF	AP	SAV2	2.56	59.3	POOR
CB6.4	MARGALEF	BP	SAV2	2.81	73.6	POOR
CB6.4	MARGALEF	AP	Spring1	2.58	61.6	POOR
CB6.4	MARGALEF	BP	Spring1	2.60	50.9	FAIR
CB6.4	MARGALEF	AP	Spring2	2.56	64.0	POOR
CB6.4	MARGALEF	BP	Spring2	2.24	26.5	GOOD
CB6.4	MARGALEF	AP	Summer1	2.65	72.8	POOR
CB6.4	MARGALEF	BP	Summer1	2.72	75.8	POOR
CB6.4	MARGALEF	AP	Summer2	2.75	77.6	POOR
CB6.4	MARGALEF	BP	Summer2	2.81	79.9	POOR
CB6.4	MARGALEF	AP	Winter	2.52	30.6	GOOD
CB6.4	MARGALEF	BP	Winter	3.47	86.6	POOR
CB6.4	DIATOM	AP	Annual	2498010	54.7	FAIR
CB6.4	DIATOM	BP	Annual	2994300	64.4	GOOD
CB6.4	DIATOM	AP	Fall	2238297	72.6	GOOD
CB6.4	DIATOM	BP	Fall	3038725	85.5	GOOD
CB6.4	DIATOM	AP	SAV1	2503833	56.0	FAIR
CB6.4	DIATOM	BP	SAV1	3098213	66.1	GOOD
CB6.4	DIATOM	AP	SAV2	2056602	44.3	FAIR
CB6.4	DIATOM	BP	SAV2	3048201	72.2	GOOD
CB6.4	DIATOM	AP	Spring1	2710144	41.0	POOR
CB6.4	DIATOM	BP	Spring1	3351369	45.8	FAIR
CB6.4	DIATOM	AP	Spring2	2200883	34.3	POOR
CB6.4	DIATOM	BP	Spring2	2125542	39.9	POOR
CB6.4	DIATOM	AP	Summer1	1636749	33.8	POOR
CB6.4	DIATOM	BP	Summer1	2946628	79.2	GOOD
CB6.4	DIATOM	AP	Summer2	1637786	35.9	POOR
CB6.4	DIATOM	BP	Summer2	3048201	81.7	GOOD
CB6.4	DIATOM	AP	Winter	3054182	35.4	POOR
CB6.4	DIATOM	BP	Winter	2940400	23.7	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
CB6.4	DIATOM_C	AP	Annual	180820000	45.6	FAIR
CB6.4	DIATOM_C	BP	Annual	294990000	55.2	FAIR
CB6.4	DIATOM_C	AP	Fall	172830000	63.8	GOOD
CB6.4	DIATOM_C	BP	Fall	198390000	66.5	GOOD
CB6.4	DIATOM_C	AP	SAV1	198700000	46.8	FAIR
CB6.4	DIATOM_C	BP	SAV1	393460000	58.4	GOOD
CB6.4	DIATOM_C	AP	SAV2	185310000	43.7	FAIR
CB6.4	DIATOM_C	BP	SAV2	333150000	61.6	GOOD
CB6.4	DIATOM_C	AP	Spring1	295970000	28.4	POOR
CB6.4	DIATOM_C	BP	Spring1	453110000	34.8	POOR
CB6.4	DIATOM_C	AP	Spring2	284940000	35.5	POOR
CB6.4	DIATOM_C	BP	Spring2	422300000	48.4	FAIR
CB6.4	DIATOM_C	AP	Summer1	130580000	41.5	POOR
CB6.4	DIATOM_C	BP	Summer1	182230000	57.3	GOOD
CB6.4	DIATOM_C	AP	Summer2	125700000	44.0	FAIR
CB6.4	DIATOM_C	BP	Summer2	187980000	59.0	GOOD
CB6.4	DIATOM_C	AP	Winter	238690000	31.2	POOR
CB6.4	DIATOM_C	BP	Winter	383030000	30.4	POOR
CB6.4	DINOFLG	AP	Annual	223891	60.8	POOR
CB6.4	DINOFLG	BP	Annual	90061	60.8	POOR
CB6.4	DINOFLG	AP	Fall	206425	65.8	POOR
CB6.4	DINOFLG	BP	Fall	63398	66.8	POOR
CB6.4	DINOFLG	AP	SAV1	237887	68.7	POOR
CB6.4	DINOFLG	BP	SAV1	98445	63.1	POOR
CB6.4	DINOFLG	AP	SAV2	272469	68.0	POOR
CB6.4	DINOFLG	BP	SAV2	109628	69.9	POOR
CB6.4	DINOFLG	AP	Spring1	403149	78.9	POOR
CB6.4	DINOFLG	BP	Spring1	109628	44.5	FAIR
CB6.4	DINOFLG	AP	Spring2	420500	76.8	POOR
CB6.4	DINOFLG	BP	Spring2	109628	51.8	FAIR
CB6.4	DINOFLG	AP	Summer1	253469	61.8	POOR
CB6.4	DINOFLG	BP	Summer1	90534	72.5	POOR
CB6.4	DINOFLG	AP	Summer2	234469	62.5	POOR
CB6.4	DINOFLG	BP	Summer2	70861	70.3	POOR
CB6.4	DINOFLG	AP	Winter	92649	32.6	GOOD
CB6.4	DINOFLG	BP	Winter	55207	32.8	GOOD
CB6.4	DINOFL_C	AP	Annual	88227492	61.6	POOR
CB6.4	DINOFL_C	BP	Annual	35599101	61.2	POOR
CB6.4	DINOFL_C	AP	Fall	119710000	71.1	POOR
CB6.4	DINOFL_C	BP	Fall	56512970	71.8	POOR
CB6.4	DINOFL_C	AP	SAV1	102720000	66.1	POOR
CB6.4	DINOFL_C	BP	SAV1	22381359	55.1	FAIR
CB6.4	DINOFL_C	AP	SAV2	138840000	65.7	POOR
CB6.4	DINOFL_C	BP	SAV2	40549774	59.9	POOR
CB6.4	DINOFL_C	AP	Spring1	105540000	65.8	POOR
CB6.4	DINOFL_C	BP	Spring1	21397930	47.0	FAIR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
CB6.4	DINOFL_C	AP	Spring2	105540000	58.7	POOR
CB6.4	DINOFL_C	BP	Spring2	23364789	44.5	FAIR
CB6.4	DINOFL_C	AP	Summer1	105340000	55.6	FAIR
CB6.4	DINOFL_C	BP	Summer1	82173715	73.0	POOR
CB6.4	DINOFL_C	AP	Summer2	138840000	65.4	POOR
CB6.4	DINOFL_C	BP	Summer2	77646339	72.7	POOR
CB6.4	DINOFL_C	AP	Winter	8617175	27.0	GOOD
CB6.4	DINOFL_C	BP	Winter	31972447	59.3	FAIR
CB6.4	CYANO	AP	Annual	322546	83.7	POOR
CB6.4	CYANO	BP	Annual	532634	90.0	POOR
CB6.4	CYANO	AP	Fall	267494	90.2	POOR
CB6.4	CYANO	BP	Fall	596326	92.8	POOR
CB6.4	CYANO	AP	SAV1	342682	83.7	POOR
CB6.4	CYANO	BP	SAV1	631552	89.5	POOR
CB6.4	CYANO	AP	SAV2	301312	77.9	POOR
CB6.4	CYANO	BP	SAV2	547840	87.7	POOR
CB6.4	CYANO	AP	Spring1	717722	85.9	POOR
CB6.4	CYANO	BP	Spring1	560794	88.1	POOR
CB6.4	CYANO	AP	Spring2	1163008	86.8	POOR
CB6.4	CYANO	BP	Spring2	730607	88.8	POOR
CB6.4	CYANO	AP	Summer1	425631	77.5	POOR
CB6.4	CYANO	BP	Summer1	491128	87.2	POOR
CB6.4	CYANO	AP	Summer2	625920	79.1	POOR
CB6.4	CYANO	BP	Summer2	434415	85.9	POOR
CB6.4	CYANO	AP	Winter	317953	91.4	POOR
CB6.4	CYANO	BP	Winter	213289	93.7	POOR
CB6.4	CYANO_C	AP	Annual	1743336	79.7	POOR
CB6.4	CYANO_C	BP	Annual	2547546	85.4	POOR
CB6.4	CYANO_C	AP	Fall	1475394	90.4	POOR
CB6.4	CYANO_C	BP	Fall	2527673	90.5	POOR
CB6.4	CYANO_C	AP	SAV1	1995827	80.7	POOR
CB6.4	CYANO_C	BP	SAV1	2912884	84.9	POOR
CB6.4	CYANO_C	AP	SAV2	1955789	74.5	POOR
CB6.4	CYANO_C	BP	SAV2	2715270	81.3	POOR
CB6.4	CYANO_C	AP	Spring1	2520492	77.3	POOR
CB6.4	CYANO_C	BP	Spring1	4262031	83.7	POOR
CB6.4	CYANO_C	AP	Spring2	2520492	73.8	POOR
CB6.4	CYANO_C	BP	Spring2	3117916	79.7	POOR
CB6.4	CYANO_C	AP	Summer1	2620809	73.1	POOR
CB6.4	CYANO_C	BP	Summer1	2570236	81.1	POOR
CB6.4	CYANO_C	AP	Summer2	4146094	75.8	POOR
CB6.4	CYANO_C	BP	Summer2	2425202	80.6	POOR
CB6.4	CYANO_C	AP	Winter	1046483	82.7	POOR
CB6.4	CYANO_C	BP	Winter	886303	89.6	POOR
CB6.4	CHLORO	AP	Annual	58547	88.6	GOOD
CB6.4	CHLORO	BP	Annual	46349	88.4	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
CB6.4	CHLORO	AP	Fall	13728	77.7	GOOD
CB6.4	CHLORO	BP	Fall	28160	94.5	GOOD
CB6.4	CHLORO	AP	SAV1	62374	86.3	GOOD
CB6.4	CHLORO	BP	SAV1	41856	86.2	GOOD
CB6.4	CHLORO	AP	SAV2	62566	86.4	GOOD
CB6.4	CHLORO	BP	SAV2	66765	87.9	GOOD
CB6.4	CHLORO	AP	Spring1	100274	79.0	GOOD
CB6.4	CHLORO	BP	Spring1	40644	74.5	GOOD
CB6.4	CHLORO	AP	Spring2	190436	83.8	GOOD
CB6.4	CHLORO	BP	Spring2	41088	77.4	GOOD
CB6.4	CHLORO	AP	Summer1	64537	90.3	GOOD
CB6.4	CHLORO	BP	Summer1	80580	91.0	GOOD
CB6.4	CHLORO	AP	Summer2	62310	90.3	GOOD
CB6.4	CHLORO	BP	Summer2	82176	91.1	GOOD
CB6.4	CHLORO	AP	Winter	0	14.8	POOR
CB6.4	CHLORO	BP	Winter	36019	90.1	GOOD
CB6.4	CHLORO_C	AP	Annual	1554250	90.1	GOOD
CB6.4	CHLORO_C	BP	Annual	974241	89.7	GOOD
CB6.4	CHLORO_C	AP	Fall	250523	81.8	GOOD
CB6.4	CHLORO_C	BP	Fall	293240	94.8	GOOD
CB6.4	CHLORO_C	AP	SAV1	1824550	87.7	GOOD
CB6.4	CHLORO_C	BP	SAV1	667202	86.9	GOOD
CB6.4	CHLORO_C	AP	SAV2	1825287	89.2	GOOD
CB6.4	CHLORO_C	BP	SAV2	1954206	90.4	GOOD
CB6.4	CHLORO_C	AP	Spring1	2431240	78.8	GOOD
CB6.4	CHLORO_C	BP	Spring1	714159	75.1	GOOD
CB6.4	CHLORO_C	AP	Spring2	2431240	81.6	GOOD
CB6.4	CHLORO_C	BP	Spring2	1465654	81.4	GOOD
CB6.4	CHLORO_C	AP	Summer1	2438352	93.7	GOOD
CB6.4	CHLORO_C	BP	Summer1	2418522	93.8	GOOD
CB6.4	CHLORO_C	AP	Summer2	1823814	93.7	GOOD
CB6.4	CHLORO_C	BP	Summer2	2405292	94.3	GOOD
CB6.4	CHLORO_C	AP	Winter	0	16.6	POOR
CB6.4	CHLORO_C	BP	Winter	282936	86.0	GOOD
CB6.4	PICO	AP	Annual	69426500	67.1	POOR
CB6.4	PICO	BP	Annual	37380500	59.1	POOR
CB6.4	PICO	AP	Fall	51274119	76.3	POOR
CB6.4	PICO	BP	Fall	36600000	71.7	POOR
CB6.4	PICO	AP	SAV1	14443500	42.5	GOOD
CB6.4	PICO	BP	SAV1	25180500	56.6	POOR
CB6.4	PICO	AP	SAV2	196960000	69.7	POOR
CB6.4	PICO	BP	SAV2	131840000	70.4	POOR
CB6.4	PICO	AP	Spring1	12872000	65.0	POOR
CB6.4	PICO	BP	Spring1	13117440	62.5	POOR
CB6.4	PICO	AP	Spring2	84000000	68.8	POOR
CB6.4	PICO	BP	Spring2	31161000	51.1	FAIR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
CB6.4	PICO	AP	Summer1	387920000	66.5	POOR
CB6.4	PICO	BP	Summer1	218720000	66.6	POOR
CB6.4	PICO	AP	Summer2	466770000	72.5	POOR
CB6.4	PICO	BP	Summer2	238610000	71.1	POOR
CB6.4	PICO	AP	Winter	8960000	74.1	POOR
CB6.4	PICO	BP	Winter	8137000	65.3	POOR
CB6.4	PICO_C	AP	Annual	104140000	67.1	POOR
CB6.4	PICO_C	BP	Annual	56070750	59.1	POOR
CB6.4	PICO_C	AP	Fall	76911179	76.3	POOR
CB6.4	PICO_C	BP	Fall	54900000	71.7	POOR
CB6.4	PICO_C	AP	SAV1	21665250	42.5	GOOD
CB6.4	PICO_C	BP	SAV1	37770750	56.6	POOR
CB6.4	PICO_C	AP	SAV2	295440000	69.7	POOR
CB6.4	PICO_C	BP	SAV2	197760000	70.4	POOR
CB6.4	PICO_C	AP	Spring1	19308000	65.0	POOR
CB6.4	PICO_C	BP	Spring1	19676160	62.5	POOR
CB6.4	PICO_C	AP	Spring2	126000000	68.8	POOR
CB6.4	PICO_C	BP	Spring2	46741500	51.1	FAIR
CB6.4	PICO_C	AP	Summer1	581880000	66.5	POOR
CB6.4	PICO_C	BP	Summer1	328080000	66.6	POOR
CB6.4	PICO_C	AP	Summer2	700160000	72.5	POOR
CB6.4	PICO_C	BP	Summer2	357910000	71.1	POOR
CB6.4	PICO_C	AP	Winter	13440000	74.1	POOR
CB6.4	PICO_C	BP	Winter	12205500	65.3	POOR
CB6.4	PROCAR_C	AP	Annual	0.005	38.7	GOOD
CB6.4	PROCAR_C	BP	Annual	0.006	40.2	GOOD
CB6.4	PROCAR_C	AP	Fall	0.005	41.1	GOOD
CB6.4	PROCAR_C	BP	Fall	0.009	41.8	GOOD
CB6.4	PROCAR_C	AP	SAV1	0.005	39.2	GOOD
CB6.4	PROCAR_C	BP	SAV1	0.007	40.7	GOOD
CB6.4	PROCAR_C	AP	SAV2	0.005	35.9	GOOD
CB6.4	PROCAR_C	BP	SAV2	0.006	38.0	GOOD
CB6.4	PROCAR_C	AP	Spring1	0.005	41.3	GOOD
CB6.4	PROCAR_C	BP	Spring1	0.011	43.2	FAIR
CB6.4	PROCAR_C	AP	Spring2	0.005	38.5	GOOD
CB6.4	PROCAR_C	BP	Spring2	0.011	40.3	GOOD
CB6.4	PROCAR_C	AP	Summer1	0.007	33.4	GOOD
CB6.4	PROCAR_C	BP	Summer1	0.005	36.9	GOOD
CB6.4	PROCAR_C	AP	Summer2	0.008	33.1	GOOD
CB6.4	PROCAR_C	BP	Summer2	0.005	36.9	GOOD
CB6.4	PROCAR_C	AP	Winter	0.004	45.5	FAIR
CB6.4	PROCAR_C	BP	Winter	0.003	44.0	FAIR
CB7.3E	TOTBMASS	AP	Annual	469380000	38.2	POOR
CB7.3E	TOTBMASS	BP	Annual	373970000	44.1	FAIR
CB7.3E	TOTBMASS	AP	Fall	472980000	67.8	GOOD
CB7.3E	TOTBMASS	BP	Fall	407670000	74.6	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
CB7.3E	TOTBMASS	AP	SAV1	476570000	40.1	POOR
CB7.3E	TOTBMASS	BP	SAV1	407820000	44.3	FAIR
CB7.3E	TOTBMASS	AP	SAV2	528560000	36.2	POOR
CB7.3E	TOTBMASS	BP	SAV2	374580000	43.6	FAIR
CB7.3E	TOTBMASS	AP	Spring1	429240000	18.5	POOR
CB7.3E	TOTBMASS	BP	Spring1	406540000	18.0	POOR
CB7.3E	TOTBMASS	AP	Spring2	594740000	32.9	POOR
CB7.3E	TOTBMASS	BP	Spring2	280250000	20.9	POOR
CB7.3E	TOTBMASS	AP	Summer1	494670000	35.2	POOR
CB7.3E	TOTBMASS	BP	Summer1	350270000	54.1	FAIR
CB7.3E	TOTBMASS	AP	Summer2	516270000	39.4	POOR
CB7.3E	TOTBMASS	BP	Summer2	526860000	71.1	GOOD
CB7.3E	TOTBMASS	AP	Winter	268600000	17.8	POOR
CB7.3E	TOTBMASS	BP	Winter	174640000	7.1	POOR
CB7.3E	RATIO	AP	Annual	75.73	27.8	POOR
CB7.3E	RATIO	BP	Annual	75.23	27.7	POOR
CB7.3E	RATIO	AP	Fall	74.96	42.4	FAIR
CB7.3E	RATIO	BP	Fall	94.48	56.4	FAIR
CB7.3E	RATIO	AP	SAV1	77.05	25.3	POOR
CB7.3E	RATIO	BP	SAV1	79.28	26.8	POOR
CB7.3E	RATIO	AP	SAV2	85.82	26.2	POOR
CB7.3E	RATIO	BP	SAV2	75.86	24.4	POOR
CB7.3E	RATIO	AP	Spring1	87.04	16.5	POOR
CB7.3E	RATIO	BP	Spring1	70.56	11.0	POOR
CB7.3E	RATIO	AP	Spring2	83.97	16.5	POOR
CB7.3E	RATIO	BP	Spring2	72.06	12.8	POOR
CB7.3E	RATIO	AP	Summer1	79.21	27.3	POOR
CB7.3E	RATIO	BP	Summer1	72.64	25.6	POOR
CB7.3E	RATIO	AP	Summer2	89.50	35.6	POOR
CB7.3E	RATIO	BP	Summer2	67.15	26.9	POOR
CB7.3E	RATIO	AP	Winter	59.36	19.1	POOR
CB7.3E	RATIO	BP	Winter	44.27	9.3	POOR
CB7.3E	MARGALEF	AP	Annual	2.83	72.1	POOR
CB7.3E	MARGALEF	BP	Annual	2.60	57.6	POOR
CB7.3E	MARGALEF	AP	Fall	3.31	84.9	POOR
CB7.3E	MARGALEF	BP	Fall	3.01	71.7	POOR
CB7.3E	MARGALEF	AP	SAV1	2.98	79.4	POOR
CB7.3E	MARGALEF	BP	SAV1	2.89	70.2	POOR
CB7.3E	MARGALEF	AP	SAV2	2.80	75.4	POOR
CB7.3E	MARGALEF	BP	SAV2	2.49	52.0	FAIR
CB7.3E	MARGALEF	AP	Spring1	2.64	65.5	POOR
CB7.3E	MARGALEF	BP	Spring1	2.66	55.4	FAIR
CB7.3E	MARGALEF	AP	Spring2	2.70	67.5	POOR
CB7.3E	MARGALEF	BP	Spring2	2.28	26.9	GOOD
CB7.3E	MARGALEF	AP	Summer1	2.49	52.1	FAIR
CB7.3E	MARGALEF	BP	Summer1	2.46	59.2	FAIR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
CB7.3E	MARGALEF	AP	Summer2	2.39	52.5	FAIR
CB7.3E	MARGALEF	BP	Summer2	2.50	60.7	POOR
CB7.3E	MARGALEF	AP	Winter	2.83	55.7	FAIR
CB7.3E	MARGALEF	BP	Winter	3.08	70.5	POOR
CB7.3E	DIATOM	AP	Annual	2674309	58.4	GOOD
CB7.3E	DIATOM	BP	Annual	2776115	62.5	GOOD
CB7.3E	DIATOM	AP	Fall	3317037	84.1	GOOD
CB7.3E	DIATOM	BP	Fall	3195949	88.0	GOOD
CB7.3E	DIATOM	AP	SAV1	2985984	64.5	GOOD
CB7.3E	DIATOM	BP	SAV1	3179559	67.5	GOOD
CB7.3E	DIATOM	AP	SAV2	2579614	56.5	FAIR
CB7.3E	DIATOM	BP	SAV2	2440920	67.1	GOOD
CB7.3E	DIATOM	AP	Spring1	2787716	42.4	FAIR
CB7.3E	DIATOM	BP	Spring1	2576501	31.8	POOR
CB7.3E	DIATOM	AP	Spring2	2579614	42.1	POOR
CB7.3E	DIATOM	BP	Spring2	2055327	38.4	POOR
CB7.3E	DIATOM	AP	Summer1	2283659	48.8	FAIR
CB7.3E	DIATOM	BP	Summer1	2747826	76.9	GOOD
CB7.3E	DIATOM	AP	Summer2	2452886	61.5	GOOD
CB7.3E	DIATOM	BP	Summer2	4477815	92.1	GOOD
CB7.3E	DIATOM	AP	Winter	2720230	29.5	POOR
CB7.3E	DIATOM	BP	Winter	2674276	20.2	POOR
CB7.3E	DIATOM_C	AP	Annual	275180000	55.4	FAIR
CB7.3E	DIATOM_C	BP	Annual	319280000	57.2	GOOD
CB7.3E	DIATOM_C	AP	Fall	284920000	71.8	GOOD
CB7.3E	DIATOM_C	BP	Fall	375660000	78.8	GOOD
CB7.3E	DIATOM_C	AP	SAV1	290230000	54.4	FAIR
CB7.3E	DIATOM_C	BP	SAV1	373630000	57.2	GOOD
CB7.3E	DIATOM_C	AP	SAV2	280610000	55.5	FAIR
CB7.3E	DIATOM_C	BP	SAV2	310900000	59.2	GOOD
CB7.3E	DIATOM_C	AP	Spring1	300360000	27.6	POOR
CB7.3E	DIATOM_C	BP	Spring1	315460000	25.4	POOR
CB7.3E	DIATOM_C	AP	Spring2	341240000	41.9	POOR
CB7.3E	DIATOM_C	BP	Spring2	149030000	22.8	POOR
CB7.3E	DIATOM_C	AP	Summer1	224170000	55.1	FAIR
CB7.3E	DIATOM_C	BP	Summer1	269050000	69.8	GOOD
CB7.3E	DIATOM_C	AP	Summer2	281610000	68.3	GOOD
CB7.3E	DIATOM_C	BP	Summer2	513500000	86.2	GOOD
CB7.3E	DIATOM_C	AP	Winter	226340000	29.9	POOR
CB7.3E	DIATOM_C	BP	Winter	137600000	8.3	POOR
CB7.3E	DINOFLG	AP	Annual	229772	62.3	POOR
CB7.3E	DINOFLG	BP	Annual	118025	66.3	POOR
CB7.3E	DINOFLG	AP	Fall	105453	48.8	FAIR
CB7.3E	DINOFLG	BP	Fall	41651	59.9	POOR
CB7.3E	DINOFLG	AP	SAV1	178222	60.2	POOR
CB7.3E	DINOFLG	BP	SAV1	104986	64.3	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
CB7.3E	DINOFLG	AP	SAV2	308939	72.3	POOR
CB7.3E	DINOFLG	BP	SAV2	106769	69.8	POOR
CB7.3E	DINOFLG	AP	Spring1	348719	75.0	POOR
CB7.3E	DINOFLG	BP	Spring1	127251	48.5	FAIR
CB7.3E	DINOFLG	AP	Spring2	492312	84.3	POOR
CB7.3E	DINOFLG	BP	Spring2	144535	56.4	FAIR
CB7.3E	DINOFLG	AP	Summer1	308939	69.5	POOR
CB7.3E	DINOFLG	BP	Summer1	118072	79.5	POOR
CB7.3E	DINOFLG	AP	Summer2	308480	72.8	POOR
CB7.3E	DINOFLG	BP	Summer2	42429	55.4	FAIR
CB7.3E	DINOFLG	AP	Winter	165890	47.1	FAIR
CB7.3E	DINOFLG	BP	Winter	147428	53.0	FAIR
CB7.3E	DINOFL_C	AP	Annual	75319079	58.9	POOR
CB7.3E	DINOFL_C	BP	Annual	19776633	53.8	FAIR
CB7.3E	DINOFL_C	AP	Fall	79814602	63.9	POOR
CB7.3E	DINOFL_C	BP	Fall	9303346	55.2	FAIR
CB7.3E	DINOFL_C	AP	SAV1	75319079	60.9	POOR
CB7.3E	DINOFL_C	BP	SAV1	19557297	53.5	FAIR
CB7.3E	DINOFL_C	AP	SAV2	150790000	67.6	POOR
CB7.3E	DINOFL_C	BP	SAV2	24158400	53.9	FAIR
CB7.3E	DINOFL_C	AP	Spring1	62653143	56.5	FAIR
CB7.3E	DINOFL_C	BP	Spring1	19666965	45.9	FAIR
CB7.3E	DINOFL_C	AP	Spring2	158540000	66.2	POOR
CB7.3E	DINOFL_C	BP	Spring2	38859779	51.4	FAIR
CB7.3E	DINOFL_C	AP	Summer1	187850000	68.8	POOR
CB7.3E	DINOFL_C	BP	Summer1	24158400	55.3	FAIR
CB7.3E	DINOFL_C	AP	Summer2	225560000	77.3	POOR
CB7.3E	DINOFL_C	BP	Summer2	6453521	33.9	GOOD
CB7.3E	DINOFL_C	AP	Winter	12447714	33.2	GOOD
CB7.3E	DINOFL_C	BP	Winter	20286114	52.6	FAIR
CB7.3E	CYANO	AP	Annual	444288	85.1	POOR
CB7.3E	CYANO	BP	Annual	450662	89.4	POOR
CB7.3E	CYANO	AP	Fall	543019	92.0	POOR
CB7.3E	CYANO	BP	Fall	361643	91.3	POOR
CB7.3E	CYANO	AP	SAV1	616320	86.2	POOR
CB7.3E	CYANO	BP	SAV1	817869	90.3	POOR
CB7.3E	CYANO	AP	SAV2	489189	80.2	POOR
CB7.3E	CYANO	BP	SAV2	375552	86.6	POOR
CB7.3E	CYANO	AP	Spring1	711083	85.8	POOR
CB7.3E	CYANO	BP	Spring1	1414656	91.4	POOR
CB7.3E	CYANO	AP	Spring2	624949	81.4	POOR
CB7.3E	CYANO	BP	Spring2	543552	86.4	POOR
CB7.3E	CYANO	AP	Summer1	489071	78.6	POOR
CB7.3E	CYANO	BP	Summer1	312089	85.5	POOR
CB7.3E	CYANO	AP	Summer2	534089	78.2	POOR
CB7.3E	CYANO	BP	Summer2	331024	84.7	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
CB7.3E	CYANO	AP	Winter	174449	89.4	POOR
CB7.3E	CYANO	BP	Winter	450662	95.2	POOR
CB7.3E	CYANO_C	AP	Annual	2912050	81.9	POOR
CB7.3E	CYANO_C	BP	Annual	2435246	85.2	POOR
CB7.3E	CYANO_C	AP	Fall	3144319	92.0	POOR
CB7.3E	CYANO_C	BP	Fall	1646448	89.4	POOR
CB7.3E	CYANO_C	AP	SAV1	3013120	82.3	POOR
CB7.3E	CYANO_C	BP	SAV1	4012327	86.0	POOR
CB7.3E	CYANO_C	AP	SAV2	2925893	76.7	POOR
CB7.3E	CYANO_C	BP	SAV2	2416125	80.7	POOR
CB7.3E	CYANO_C	AP	Spring1	4517572	80.0	POOR
CB7.3E	CYANO_C	BP	Spring1	5149789	84.4	POOR
CB7.3E	CYANO_C	AP	Spring2	2925893	74.9	POOR
CB7.3E	CYANO_C	BP	Spring2	3539324	79.6	POOR
CB7.3E	CYANO_C	AP	Summer1	2511592	73.7	POOR
CB7.3E	CYANO_C	BP	Summer1	1800138	79.0	POOR
CB7.3E	CYANO_C	AP	Summer2	2563628	73.5	POOR
CB7.3E	CYANO_C	BP	Summer2	511683	73.2	POOR
CB7.3E	CYANO_C	AP	Winter	2385629	85.9	POOR
CB7.3E	CYANO_C	BP	Winter	1656859	91.2	POOR
CB7.3E	CHLORO	AP	Annual	20544	84.7	GOOD
CB7.3E	CHLORO	BP	Annual	27392	86.2	GOOD
CB7.3E	CHLORO	AP	Fall	3456	56.6	FAIR
CB7.3E	CHLORO	BP	Fall	41728	95.6	GOOD
CB7.3E	CHLORO	AP	SAV1	24683	82.0	GOOD
CB7.3E	CHLORO	BP	SAV1	27648	84.4	GOOD
CB7.3E	CHLORO	AP	SAV2	13728	81.0	GOOD
CB7.3E	CHLORO	BP	SAV2	38861	86.7	GOOD
CB7.3E	CHLORO	AP	Spring1	45581	73.6	GOOD
CB7.3E	CHLORO	BP	Spring1	768	35.4	POOR
CB7.3E	CHLORO	AP	Spring2	37506	72.9	GOOD
CB7.3E	CHLORO	BP	Spring2	38861	78.7	GOOD
CB7.3E	CHLORO	AP	Summer1	30944	87.8	GOOD
CB7.3E	CHLORO	BP	Summer1	38733	89.4	GOOD
CB7.3E	CHLORO	AP	Summer2	20544	85.9	GOOD
CB7.3E	CHLORO	BP	Summer2	1664	69.3	GOOD
CB7.3E	CHLORO	AP	Winter	896	66.7	GOOD
CB7.3E	CHLORO	BP	Winter	0	14.6	POOR
CB7.3E	CHLORO_C	AP	Annual	253112	85.0	GOOD
CB7.3E	CHLORO_C	BP	Annual	571841	88.4	GOOD
CB7.3E	CHLORO_C	AP	Fall	100586	58.0	FAIR
CB7.3E	CHLORO_C	BP	Fall	903057	96.5	GOOD
CB7.3E	CHLORO_C	AP	SAV1	214852	80.2	GOOD
CB7.3E	CHLORO_C	BP	SAV1	700176	87.0	GOOD
CB7.3E	CHLORO_C	AP	SAV2	190184	81.9	GOOD
CB7.3E	CHLORO_C	BP	SAV2	659710	87.6	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
CB7.3E	CHLORO_C	AP	Spring1	881977	72.1	GOOD
CB7.3E	CHLORO_C	BP	Spring1	170691	65.8	GOOD
CB7.3E	CHLORO_C	AP	Spring2	823878	77.6	GOOD
CB7.3E	CHLORO_C	BP	Spring2	595542	77.3	GOOD
CB7.3E	CHLORO_C	AP	Summer1	4566054	94.2	GOOD
CB7.3E	CHLORO_C	BP	Summer1	2162425	93.9	GOOD
CB7.3E	CHLORO_C	AP	Summer2	601323	91.5	GOOD
CB7.3E	CHLORO_C	BP	Summer2	423803	90.9	GOOD
CB7.3E	CHLORO_C	AP	Winter	253112	86.9	GOOD
CB7.3E	CHLORO_C	BP	Winter	0	15.0	POOR
CB7.3E	PICO	AP	Annual	40200000	61.6	POOR
CB7.3E	PICO	BP	Annual	39389000	60.9	POOR
CB7.3E	PICO	AP	Fall	45840000	71.0	POOR
CB7.3E	PICO	BP	Fall	30238500	67.5	POOR
CB7.3E	PICO	AP	SAV1	26173000	56.6	POOR
CB7.3E	PICO	BP	SAV1	27984000	60.3	POOR
CB7.3E	PICO	AP	SAV2	219300000	71.6	POOR
CB7.3E	PICO	BP	SAV2	163920000	72.6	POOR
CB7.3E	PICO	AP	Spring1	8990720	55.2	FAIR
CB7.3E	PICO	BP	Spring1	15191500	64.3	POOR
CB7.3E	PICO	AP	Spring2	33186500	54.3	FAIR
CB7.3E	PICO	BP	Spring2	61772000	74.8	POOR
CB7.3E	PICO	AP	Summer1	314300000	61.2	POOR
CB7.3E	PICO	BP	Summer1	203480000	63.3	POOR
CB7.3E	PICO	AP	Summer2	330670000	62.2	POOR
CB7.3E	PICO	BP	Summer2	198080000	64.9	POOR
CB7.3E	PICO	AP	Winter	7200000	67.1	POOR
CB7.3E	PICO	BP	Winter	9824000	71.3	POOR
CB7.3E	PICO_C	AP	Annual	60300000	61.6	POOR
CB7.3E	PICO_C	BP	Annual	59083500	60.9	POOR
CB7.3E	PICO_C	AP	Fall	68760000	71.0	POOR
CB7.3E	PICO_C	BP	Fall	45357750	67.5	POOR
CB7.3E	PICO_C	AP	SAV1	39259500	56.6	POOR
CB7.3E	PICO_C	BP	SAV1	41976000	60.3	POOR
CB7.3E	PICO_C	AP	SAV2	328940000	71.6	POOR
CB7.3E	PICO_C	BP	SAV2	245880000	72.6	POOR
CB7.3E	PICO_C	AP	Spring1	13486080	55.2	FAIR
CB7.3E	PICO_C	BP	Spring1	22787250	64.3	POOR
CB7.3E	PICO_C	AP	Spring2	49779750	54.3	FAIR
CB7.3E	PICO_C	BP	Spring2	92658000	74.8	POOR
CB7.3E	PICO_C	AP	Summer1	471450000	61.2	POOR
CB7.3E	PICO_C	BP	Summer1	305220000	63.3	POOR
CB7.3E	PICO_C	AP	Summer2	496010000	62.2	POOR
CB7.3E	PICO_C	BP	Summer2	297120000	64.9	POOR
CB7.3E	PICO_C	AP	Winter	10800000	67.1	POOR
CB7.3E	PICO_C	BP	Winter	14736000	71.3	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
CB7.3E	PROCAR_C	AP	Annual	0.009	38.9	GOOD
CB7.3E	PROCAR_C	BP	Annual	0.007	40.3	GOOD
CB7.3E	PROCAR_C	AP	Fall	0.007	41.5	GOOD
CB7.3E	PROCAR_C	BP	Fall	0.005	41.3	GOOD
CB7.3E	PROCAR_C	AP	SAV1	0.009	39.6	GOOD
CB7.3E	PROCAR_C	BP	SAV1	0.007	40.8	GOOD
CB7.3E	PROCAR_C	AP	SAV2	0.008	36.1	GOOD
CB7.3E	PROCAR_C	BP	SAV2	0.006	37.9	GOOD
CB7.3E	PROCAR_C	AP	Spring1	0.009	42.3	FAIR
CB7.3E	PROCAR_C	BP	Spring1	0.013	43.5	FAIR
CB7.3E	PROCAR_C	AP	Spring2	0.008	38.8	GOOD
CB7.3E	PROCAR_C	BP	Spring2	0.012	40.1	GOOD
CB7.3E	PROCAR_C	AP	Summer1	0.006	33.4	GOOD
CB7.3E	PROCAR_C	BP	Summer1	0.004	36.8	GOOD
CB7.3E	PROCAR_C	AP	Summer2	0.006	33.0	GOOD
CB7.3E	PROCAR_C	BP	Summer2	0.004	36.8	GOOD
CB7.3E	PROCAR_C	AP	Winter	0.015	57.3	FAIR
CB7.3E	PROCAR_C	BP	Winter	0.009	45.8	FAIR
CB7.4	TOTBMASS	AP	Annual	312050000	24.7	POOR
CB7.4	TOTBMASS	BP	Annual	319160000	38.9	POOR
CB7.4	TOTBMASS	AP	Fall	359790000	57.5	FAIR
CB7.4	TOTBMASS	BP	Fall	356780000	70.5	GOOD
CB7.4	TOTBMASS	AP	SAV1	346260000	29.7	POOR
CB7.4	TOTBMASS	BP	SAV1	323370000	37.0	POOR
CB7.4	TOTBMASS	AP	SAV2	298380000	18.0	POOR
CB7.4	TOTBMASS	BP	SAV2	282740000	36.0	POOR
CB7.4	TOTBMASS	AP	Spring1	267850000	9.7	POOR
CB7.4	TOTBMASS	BP	Spring1	242210000	9.2	POOR
CB7.4	TOTBMASS	AP	Spring2	231770000	10.9	POOR
CB7.4	TOTBMASS	BP	Spring2	282740000	20.7	POOR
CB7.4	TOTBMASS	AP	Summer1	323760000	22.3	POOR
CB7.4	TOTBMASS	BP	Summer1	329400000	54.1	FAIR
CB7.4	TOTBMASS	AP	Summer2	464760000	35.5	POOR
CB7.4	TOTBMASS	BP	Summer2	361190000	55.8	FAIR
CB7.4	TOTBMASS	AP	Winter	304250000	18.9	POOR
CB7.4	TOTBMASS	BP	Winter	314950000	15.7	POOR
CB7.4	RATIO	AP	Annual	75.80	26.9	POOR
CB7.4	RATIO	BP	Annual	85.54	33.3	POOR
CB7.4	RATIO	AP	Fall	126.41	67.8	GOOD
CB7.4	RATIO	BP	Fall	86.21	51.6	FAIR
CB7.4	RATIO	AP	SAV1	83.06	28.2	POOR
CB7.4	RATIO	BP	SAV1	84.87	29.5	POOR
CB7.4	RATIO	AP	SAV2	72.28	20.9	POOR
CB7.4	RATIO	BP	SAV2	76.17	24.2	POOR
CB7.4	RATIO	AP	Spring1	75.02	12.5	POOR
CB7.4	RATIO	BP	Spring1	89.74	16.8	POOR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
CB7.4	RATIO	AP	Spring2	64.06	11.4	POOR
CB7.4	RATIO	BP	Spring2	91.39	17.5	POOR
CB7.4	RATIO	AP	Summer1	69.93	21.0	POOR
CB7.4	RATIO	BP	Summer1	76.17	29.4	POOR
CB7.4	RATIO	AP	Summer2	71.14	23.3	POOR
CB7.4	RATIO	BP	Summer2	73.23	30.6	POOR
CB7.4	RATIO	AP	Winter	90.70	33.3	POOR
CB7.4	RATIO	BP	Winter	86.25	30.9	POOR
CB7.4	MARGALEF	AP	Annual	2.88	74.3	POOR
CB7.4	MARGALEF	BP	Annual	2.81	69.2	POOR
CB7.4	MARGALEF	AP	Fall	3.36	86.2	POOR
CB7.4	MARGALEF	BP	Fall	3.00	71.3	POOR
CB7.4	MARGALEF	AP	SAV1	2.94	77.2	POOR
CB7.4	MARGALEF	BP	SAV1	2.70	57.5	POOR
CB7.4	MARGALEF	AP	SAV2	2.86	78.1	POOR
CB7.4	MARGALEF	BP	SAV2	2.67	66.6	POOR
CB7.4	MARGALEF	AP	Spring1	2.61	64.1	POOR
CB7.4	MARGALEF	BP	Spring1	2.61	51.7	FAIR
CB7.4	MARGALEF	AP	Spring2	2.54	59.1	POOR
CB7.4	MARGALEF	BP	Spring2	2.47	51.6	FAIR
CB7.4	MARGALEF	AP	Summer1	2.86	83.7	POOR
CB7.4	MARGALEF	BP	Summer1	2.76	81.3	POOR
CB7.4	MARGALEF	AP	Summer2	2.86	82.7	POOR
CB7.4	MARGALEF	BP	Summer2	2.82	80.5	POOR
CB7.4	MARGALEF	AP	Winter	2.65	34.4	GOOD
CB7.4	MARGALEF	BP	Winter	2.84	65.1	POOR
CB7.4	DIATOM	AP	Annual	2362315	52.1	FAIR
CB7.4	DIATOM	BP	Annual	2255705	51.2	FAIR
CB7.4	DIATOM	AP	Fall	2505638	76.6	GOOD
CB7.4	DIATOM	BP	Fall	3174300	87.8	GOOD
CB7.4	DIATOM	AP	SAV1	2074189	46.9	FAIR
CB7.4	DIATOM	BP	SAV1	2251442	50.6	FAIR
CB7.4	DIATOM	AP	SAV2	2262321	47.6	FAIR
CB7.4	DIATOM	BP	SAV2	2061600	55.6	FAIR
CB7.4	DIATOM	AP	Spring1	1936804	25.8	POOR
CB7.4	DIATOM	BP	Spring1	1659479	14.8	POOR
CB7.4	DIATOM	AP	Spring2	1489885	17.2	POOR
CB7.4	DIATOM	BP	Spring2	1879272	36.2	POOR
CB7.4	DIATOM	AP	Summer1	2690803	60.9	GOOD
CB7.4	DIATOM	BP	Summer1	2061600	65.3	GOOD
CB7.4	DIATOM	AP	Summer2	3258880	76.9	GOOD
CB7.4	DIATOM	BP	Summer2	1899594	57.9	FAIR
CB7.4	DIATOM	AP	Winter	2727834	29.7	POOR
CB7.4	DIATOM	BP	Winter	2565158	22.9	POOR
CB7.4	DIATOM_C	AP	Annual	218110000	50.0	FAIR
CB7.4	DIATOM_C	BP	Annual	263880000	53.3	FAIR

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
CB7.4	DIATOM_C	AP	Fall	350520000	74.8	GOOD
CB7.4	DIATOM_C	BP	Fall	275140000	73.3	GOOD
CB7.4	DIATOM_C	AP	SAV1	223170000	49.1	FAIR
CB7.4	DIATOM_C	BP	SAV1	247490000	47.4	FAIR
CB7.4	DIATOM_C	AP	SAV2	218110000	48.4	FAIR
CB7.4	DIATOM_C	BP	SAV2	229450000	54.6	FAIR
CB7.4	DIATOM_C	AP	Spring1	190920000	18.8	POOR
CB7.4	DIATOM_C	BP	Spring1	170080000	13.6	POOR
CB7.4	DIATOM_C	AP	Spring2	190920000	28.8	POOR
CB7.4	DIATOM_C	BP	Spring2	229450000	34.5	POOR
CB7.4	DIATOM_C	AP	Summer1	198060000	57.6	GOOD
CB7.4	DIATOM_C	BP	Summer1	294810000	71.4	GOOD
CB7.4	DIATOM_C	AP	Summer2	253930000	65.4	GOOD
CB7.4	DIATOM_C	BP	Summer2	336990000	77.1	GOOD
CB7.4	DIATOM_C	AP	Winter	275650000	31.7	POOR
CB7.4	DIATOM_C	BP	Winter	301340000	21.7	POOR
CB7.4	DINOFLG	AP	Annual	139909	45.5	FAIR
CB7.4	DINOFLG	BP	Annual	55668	50.3	FAIR
CB7.4	DINOFLG	AP	Fall	96960	46.8	FAIR
CB7.4	DINOFLG	BP	Fall	73074	69.3	POOR
CB7.4	DINOFLG	AP	SAV1	150035	54.9	FAIR
CB7.4	DINOFLG	BP	SAV1	60379	53.3	FAIR
CB7.4	DINOFLG	AP	SAV2	139909	41.3	GOOD
CB7.4	DINOFLG	BP	SAV2	51980	54.1	FAIR
CB7.4	DINOFLG	AP	Spring1	203320	56.5	FAIR
CB7.4	DINOFLG	BP	Spring1	82528	37.0	GOOD
CB7.4	DINOFLG	AP	Spring2	193220	52.0	FAIR
CB7.4	DINOFLG	BP	Spring2	157678	64.9	POOR
CB7.4	DINOFLG	AP	Summer1	133707	32.9	GOOD
CB7.4	DINOFLG	BP	Summer1	51980	62.4	POOR
CB7.4	DINOFLG	AP	Summer2	124672	35.9	GOOD
CB7.4	DINOFLG	BP	Summer2	31027	45.6	FAIR
CB7.4	DINOFLG	AP	Winter	102520	36.8	GOOD
CB7.4	DINOFLG	BP	Winter	12369	11.3	GOOD
CB7.4	DINOFL_C	AP	Annual	30453239	37.9	GOOD
CB7.4	DINOFL_C	BP	Annual	9706455	44.3	FAIR
CB7.4	DINOFL_C	AP	Fall	30017249	47.8	FAIR
CB7.4	DINOFL_C	BP	Fall	50793443	71.4	POOR
CB7.4	DINOFL_C	AP	SAV1	36683004	47.9	FAIR
CB7.4	DINOFL_C	BP	SAV1	10579750	45.9	FAIR
CB7.4	DINOFL_C	AP	SAV2	34013026	28.2	GOOD
CB7.4	DINOFL_C	BP	SAV2	10373375	39.3	GOOD
CB7.4	DINOFL_C	AP	Spring1	26727440	41.4	GOOD
CB7.4	DINOFL_C	BP	Spring1	19254233	44.2	FAIR
CB7.4	DINOFL_C	AP	Spring2	19923228	22.2	GOOD
CB7.4	DINOFL_C	BP	Spring2	10373375	32.7	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
CB7.4	DINOFL_C	AP	Summer1	39989991	27.3	GOOD
CB7.4	DINOFL_C	BP	Summer1	12965794	45.7	FAIR
CB7.4	DINOFL_C	AP	Summer2	53810259	37.3	GOOD
CB7.4	DINOFL_C	BP	Summer2	15764588	48.1	FAIR
CB7.4	DINOFL_C	AP	Winter	6729762	24.3	GOOD
CB7.4	DINOFL_C	BP	Winter	3234813	32.1	GOOD
CB7.4	CYANO	AP	Annual	386112	84.5	POOR
CB7.4	CYANO	BP	Annual	270605	87.1	POOR
CB7.4	CYANO	AP	Fall	452437	91.6	POOR
CB7.4	CYANO	BP	Fall	383898	91.7	POOR
CB7.4	CYANO	AP	SAV1	463577	85.0	POOR
CB7.4	CYANO	BP	SAV1	321902	87.0	POOR
CB7.4	CYANO	AP	SAV2	365256	79.0	POOR
CB7.4	CYANO	BP	SAV2	356119	85.4	POOR
CB7.4	CYANO	AP	Spring1	527724	84.2	POOR
CB7.4	CYANO	BP	Spring1	288862	84.7	POOR
CB7.4	CYANO	AP	Spring2	527724	81.7	POOR
CB7.4	CYANO	BP	Spring2	354683	82.4	POOR
CB7.4	CYANO	AP	Summer1	207216	74.7	POOR
CB7.4	CYANO	BP	Summer1	294237	84.5	POOR
CB7.4	CYANO	AP	Summer2	232832	73.0	POOR
CB7.4	CYANO	BP	Summer2	321902	84.5	POOR
CB7.4	CYANO	AP	Winter	233677	91.3	POOR
CB7.4	CYANO	BP	Winter	136960	92.3	POOR
CB7.4	CYANO_C	AP	Annual	2025991	80.6	POOR
CB7.4	CYANO_C	BP	Annual	1468563	83.4	POOR
CB7.4	CYANO_C	AP	Fall	2047265	91.1	POOR
CB7.4	CYANO_C	BP	Fall	2204908	90.1	POOR
CB7.4	CYANO_C	AP	SAV1	2557092	81.6	POOR
CB7.4	CYANO_C	BP	SAV1	3104883	85.2	POOR
CB7.4	CYANO_C	AP	SAV2	1983615	75.1	POOR
CB7.4	CYANO_C	BP	SAV2	1985126	80.0	POOR
CB7.4	CYANO_C	AP	Spring1	3040137	78.3	POOR
CB7.4	CYANO_C	BP	Spring1	2684279	81.1	POOR
CB7.4	CYANO_C	AP	Spring2	2943990	73.4	POOR
CB7.4	CYANO_C	BP	Spring2	1712086	75.9	POOR
CB7.4	CYANO_C	AP	Summer1	1355534	71.3	POOR
CB7.4	CYANO_C	BP	Summer1	1712086	78.7	POOR
CB7.4	CYANO_C	AP	Summer2	1602432	71.2	POOR
CB7.4	CYANO_C	BP	Summer2	2025953	79.8	POOR
CB7.4	CYANO_C	AP	Winter	961413	83.7	POOR
CB7.4	CYANO_C	BP	Winter	1040896	86.9	POOR
CB7.4	CHLORO	AP	Annual	15904	72.3	GOOD
CB7.4	CHLORO	BP	Annual	26595	86.1	GOOD
CB7.4	CHLORO	AP	Fall	128	67.1	GOOD
CB7.4	CHLORO	BP	Fall	28160	95.0	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
CB7.4	CHLORO	AP	SAV1	768	57.6	GOOD
CB7.4	CHLORO	BP	SAV1	25030	83.9	GOOD
CB7.4	CHLORO	AP	SAV2	7942	56.4	FAIR
CB7.4	CHLORO	BP	SAV2	41491	84.9	GOOD
CB7.4	CHLORO	AP	Spring1	31957	69.4	GOOD
CB7.4	CHLORO	BP	Spring1	44233	74.2	GOOD
CB7.4	CHLORO	AP	Spring2	31957	66.6	GOOD
CB7.4	CHLORO	BP	Spring2	89145	82.4	GOOD
CB7.4	CHLORO	AP	Summer1	64	11.6	POOR
CB7.4	CHLORO	BP	Summer1	33373	87.8	GOOD
CB7.4	CHLORO	AP	Summer2	0	12.0	POOR
CB7.4	CHLORO	BP	Summer2	9818	81.8	GOOD
CB7.4	CHLORO	AP	Winter	21413	86.6	GOOD
CB7.4	CHLORO	BP	Winter	64	30.0	POOR
CB7.4	CHLORO_C	AP	Annual	176794	76.5	GOOD
CB7.4	CHLORO_C	BP	Annual	581284	88.4	GOOD
CB7.4	CHLORO_C	AP	Fall	1062	71.7	GOOD
CB7.4	CHLORO_C	BP	Fall	600812	96.0	GOOD
CB7.4	CHLORO_C	AP	SAV1	13578	66.3	GOOD
CB7.4	CHLORO_C	BP	SAV1	561757	86.4	GOOD
CB7.4	CHLORO_C	AP	SAV2	64843	68.4	GOOD
CB7.4	CHLORO_C	BP	SAV2	1123722	89.1	GOOD
CB7.4	CHLORO_C	AP	Spring1	285938	66.0	GOOD
CB7.4	CHLORO_C	BP	Spring1	1048216	76.3	GOOD
CB7.4	CHLORO_C	AP	Spring2	285938	66.2	GOOD
CB7.4	CHLORO_C	BP	Spring2	2407649	83.4	GOOD
CB7.4	CHLORO_C	AP	Summer1	4200750	93.6	GOOD
CB7.4	CHLORO_C	BP	Summer1	411757	91.2	GOOD
CB7.4	CHLORO_C	AP	Summer2	0	16.8	POOR
CB7.4	CHLORO_C	BP	Summer2	127246	87.5	GOOD
CB7.4	CHLORO_C	AP	Winter	488551	87.9	GOOD
CB7.4	CHLORO_C	BP	Winter	731	34.2	POOR
CB7.4	PICO	AP	Annual	41826500	57.3	POOR
CB7.4	PICO	BP	Annual	32692000	54.4	FAIR
CB7.4	PICO	AP	Fall	22960000	58.0	POOR
CB7.4	PICO	BP	Fall	51360000	79.5	POOR
CB7.4	PICO	AP	SAV1	17902000	47.5	FAIR
CB7.4	PICO	BP	SAV1	30592000	62.6	POOR
CB7.4	PICO	AP	SAV2	175240000	70.3	POOR
CB7.4	PICO	BP	SAV2	67088791	49.1	FAIR
CB7.4	PICO	AP	Spring1	10759960	60.3	POOR
CB7.4	PICO	BP	Spring1	14981000	66.2	POOR
CB7.4	PICO	AP	Spring2	57719000	70.3	POOR
CB7.4	PICO	BP	Spring2	47909791	40.0	GOOD
CB7.4	PICO	AP	Summer1	313050000	59.3	POOR
CB7.4	PICO	BP	Summer1	96173500	38.3	GOOD

Appendix D. Continued.

Station	Parameter	Layer	Season	Median Value	Status Score	Status
CB7.4	PICO	AP	Summer2	356660000	64.6	POOR
CB7.4	PICO	BP	Summer2	90587000	35.8	GOOD
CB7.4	PICO	AP	Winter	8768000	55.7	FAIR
CB7.4	PICO	BP	Winter	8736000	65.7	POOR
CB7.4	PICO_C	AP	Annual	62739750	57.3	POOR
CB7.4	PICO_C	BP	Annual	49038000	54.4	FAIR
CB7.4	PICO_C	AP	Fall	34440000	58.0	POOR
CB7.4	PICO_C	BP	Fall	77040000	79.5	POOR
CB7.4	PICO_C	AP	SAV1	26853000	47.5	FAIR
CB7.4	PICO_C	BP	SAV1	45888000	62.6	POOR
CB7.4	PICO_C	AP	SAV2	262860000	70.3	POOR
CB7.4	PICO_C	BP	SAV2	100630000	49.1	FAIR
CB7.4	PICO_C	AP	Spring1	16139940	60.3	POOR
CB7.4	PICO_C	BP	Spring1	22471500	66.2	POOR
CB7.4	PICO_C	AP	Spring2	86578500	70.3	POOR
CB7.4	PICO_C	BP	Spring2	71864686	40.0	GOOD
CB7.4	PICO_C	AP	Summer1	469580000	59.3	POOR
CB7.4	PICO_C	BP	Summer1	144260000	38.3	GOOD
CB7.4	PICO_C	AP	Summer2	534990000	64.6	POOR
CB7.4	PICO_C	BP	Summer2	135880000	35.8	GOOD
CB7.4	PICO_C	AP	Winter	13152000	55.7	FAIR
CB7.4	PICO_C	BP	Winter	13104000	65.7	POOR
CB7.4	PROCAR_C	AP	Annual	0.007	38.8	GOOD
CB7.4	PROCAR_C	BP	Annual	0.004	40.1	GOOD
CB7.4	PROCAR_C	AP	Fall	0.009	41.7	GOOD
CB7.4	PROCAR_C	BP	Fall	0.004	41.3	GOOD
CB7.4	PROCAR_C	AP	SAV1	0.007	39.4	GOOD
CB7.4	PROCAR_C	BP	SAV1	0.007	40.8	GOOD
CB7.4	PROCAR_C	AP	SAV2	0.006	35.9	GOOD
CB7.4	PROCAR_C	BP	SAV2	0.006	37.9	GOOD
CB7.4	PROCAR_C	AP	Spring1	0.014	43.2	FAIR
CB7.4	PROCAR_C	BP	Spring1	0.010	43.1	FAIR
CB7.4	PROCAR_C	AP	Spring2	0.013	39.7	GOOD
CB7.4	PROCAR_C	BP	Spring2	0.007	40.1	GOOD
CB7.4	PROCAR_C	AP	Summer1	0.005	33.2	GOOD
CB7.4	PROCAR_C	BP	Summer1	0.005	36.9	GOOD
CB7.4	PROCAR_C	AP	Summer2	0.003	32.9	GOOD
CB7.4	PROCAR_C	BP	Summer2	0.005	36.9	GOOD
CB7.4	PROCAR_C	AP	Winter	0.003	43.5	FAIR
CB7.4	PROCAR_C	BP	Winter	0.002	43.7	FAIR

Appendix E. Long term trends in phytoplankton bioindicators at all stations and for all seasons, for the period of 1985 through 2001. Parameter abbreviations are as follows: TOTABUND=Total abundance, TOTBMASS=Total biomass, RATIO=Biomass to abundance ratio, MARGALEF=Margalef diversity index, DIATOM=Diatom abundance, DIATOM_C=Diatom biomass, DINOFLG=Dinoflagellate abundance, DINOFL_C=Dinflagellate biomass, CYANO=Cyanobacteria abundance, CYANO_C=Cyanobacteria biomass, CHLORO=Chlorophyte abundance, CHLORO_C=Chlorophyte biomass, CRYPTO=Cryptophte abundance, CRYPTO_C=Cryptophyte biomass, COCCO=Coccolithophore abundance, COCCO_C=Coccolithophore biomass, PROCARY=Procaryote to eucaryote abundance ratio, PROCAR_C=Procaryote to eucaryote biomass ratio, EUGLENO=Euglenophyte abundance, EUGLEN_C=Euglenophyte biomass, SHANNON=Shannon-Weiner diversity, EVENNESS=Pielou's evenness index, N_SP=Number of species, N_GENERA=Number of genera, PICO=Picoplankton abundance, PICO_C=Picoplankton biomass. Layer abbreviations are: AP=Above Pycnocline, BP=Below Pycnocline. See the method section of the report for definitions of Seasons.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF5.5	TOTABUND	Annual	AP	24027209	868078	54.19	13021163	0.1503	0.0007
TF5.5	TOTABUND	Fall	AP	14384844	1943745	202.69	29156181	0.6131	0.0222
TF5.5	TOTABUND	SAV1	AP	24027209	453749	28.33	6806236	0.0977	0.3229
TF5.5	TOTABUND	SAV2	AP	41515410	1360184	49.15	20402756	0.0646	0.1524
TF5.5	TOTABUND	Spring1	AP	17452991	-30766	-2.64	-461496	0.0303	0.8513
TF5.5	TOTABUND	Spring2	AP	35892833	-644687	-26.94	-9670305	0.1402	0.4375
TF5.5	TOTABUND	Summer1	AP	41515410	4558614	164.71	68379206	0.5142	0.0081
TF5.5	TOTABUND	Summer2	AP	34199941	5911164	259.26	88667460	0.4064	0.0080
TF5.5	TOTABUND	Winter	AP	3079834	465377	211.55	6515281	0.5756	0.0424
TF5.5	TOTABUND	Annual	BP	27650592	831740	45.12	12476102	0.8024	0.0012
TF5.5	TOTABUND	Fall	BP	37927161	1466865	58.01	22002972	0.8689	0.1765
TF5.5	TOTABUND	SAV1	BP	27650592	545982	29.62	8189729	0.8167	0.1139
TF5.5	TOTABUND	SAV2	BP	44158380	1221452	41.49	18321780	0.8412	0.1017
TF5.5	TOTABUND	Spring1	BP	19054272	247200	19.46	3708004	0.4155	0.4055
TF5.5	TOTABUND	Spring2	BP	45542507	-35547	-1.17	-533208	0.9499	0.9585
TF5.5	TOTABUND	Summer1	BP	30841102	2112025	102.72	31680377	0.7179	0.0930
TF5.5	TOTABUND	Summer2	BP	30181035	2829813	140.64	42447194	0.8146	0.0506
TF5.5	TOTABUND	Winter	BP	1902069	766325	564.05	10728556	1.0000	0.0026
TF5.5	TOTBMASS	Annual	AP	573822028	84808551	221.69	1272128259	0.7959	<0.0001
TF5.5	TOTBMASS	Fall	AP	700281549	118035543	252.83	1770533145	0.6868	0.0009
TF5.5	TOTBMASS	SAV1	AP	627661685	74284257	177.53	1114263851	0.8215	0.0002
TF5.5	TOTBMASS	SAV2	AP	865828618	123871567	214.60	1858073505	0.3934	<0.0001
TF5.5	TOTBMASS	Spring1	AP	418189373	46961880	168.45	704428203	0.3941	0.0229
TF5.5	TOTBMASS	Spring2	AP	530828717	69766035	197.14	1046490524	0.0857	0.0035
TF5.5	TOTBMASS	Summer1	AP	1097167495	201721685	275.79	3025825275	0.6398	<0.0001
TF5.5	TOTBMASS	Summer2	AP	1097167495	186158450	254.51	2792376750	0.7301	0.0001
TF5.5	TOTBMASS	Winter	AP	113173124	30949173	382.85	433288415	0.7795	0.0063
TF5.5	TOTBMASS	Annual	BP	701635400	96762115	206.86	1451431723	0.6654	<0.0001
TF5.5	TOTBMASS	Fall	BP	795043936	174163252	328.59	2612448780	0.3504	0.0013
TF5.5	TOTBMASS	SAV1	BP	710545240	70982854	149.85	1064742809	0.8167	0.0002
TF5.5	TOTBMASS	SAV2	BP	941216651	130607251	208.15	1959108765	0.8385	<0.0001
TF5.5	TOTBMASS	Spring1	BP	368159299	46605773	189.89	699086599	0.6000	0.0126
TF5.5	TOTBMASS	Spring2	BP	1256271350	87219259	104.14	1308288891	0.3514	0.0050
TF5.5	TOTBMASS	Summer1	BP	1058716797	184173412	260.94	2762601180	0.9391	<0.0001
TF5.5	TOTBMASS	Summer2	BP	701635400	165597609	354.02	2483964135	0.9367	0.0002
TF5.5	TOTBMASS	Winter	BP	49982019	31775501	890.03	444857013	0.1616	<0.0001
TF5.5	RATIO	Annual	AP	29.41	2.28	116.29	34.20	0.8882	<0.0001
TF5.5	RATIO	Fall	AP	34.46	2.54	110.56	38.10	0.4166	0.0030
TF5.5	RATIO	SAV1	AP	29.50	2.33	118.47	34.95	0.7413	<0.0001
TF5.5	RATIO	SAV2	AP	20.35	2.02	148.89	30.30	0.6908	<0.0001
TF5.5	RATIO	Spring1	AP	27.20	2.90	159.93	43.50	0.6921	0.0002
TF5.5	RATIO	Spring2	AP	19.31	3.05	236.92	45.75	0.7589	<0.0001
TF5.5	RATIO	Summer1	AP	22.64	1.57	104.02	23.55	0.4020	0.0004

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF5.5	RATIO	Summer2	AP	22.64	1.03	68.24	15.45	0.5489	0.0172
TF5.5	RATIO	Winter	AP	37.81	2.71	100.34	37.94	0.9442	0.0051
TF5.5	RATIO	Annual	BP	22.87	2.45	160.69	36.75	0.8053	<0.0001
TF5.5	RATIO	Fall	BP	15.16	1.94	191.95	29.10	0.4705	0.0050
TF5.5	RATIO	SAV1	BP	21.13	1.98	140.56	29.70	0.9201	<0.0001
TF5.5	RATIO	SAV2	BP	19.59	1.98	151.61	29.70	0.5321	<0.0001
TF5.5	RATIO	Spring1	BP	24.83	2.95	178.21	44.25	0.8783	0.0003
TF5.5	RATIO	Spring2	BP	21.13	3.52	249.88	52.80	0.5700	0.0001
TF5.5	RATIO	Summer1	BP	21.33	2.11	148.38	31.65	0.2825	<0.0001
TF5.5	RATIO	Summer2	BP	21.33	1.52	106.89	22.80	0.2659	0.0012
TF5.5	RATIO	Winter	BP	26.29	4.21	224.19	58.94	0.4840	0.0209
TF5.5	MARGALEF	Annual	AP	2.39	0.02	12.55	0.30	0.9248	0.0368
TF5.5	MARGALEF	Fall	AP	2.13	0.03	21.13	0.45	0.6981	0.0688
TF5.5	MARGALEF	SAV1	AP	2.00	0.02	15.00	0.30	0.8760	0.0648
TF5.5	MARGALEF	SAV2	AP	2.40	0.03	18.75	0.45	0.9758	0.0160
TF5.5	MARGALEF	Spring1	AP	2.00	0.00	0.00	0.00	0.8131	0.5739
TF5.5	MARGALEF	Spring2	AP	2.63	0.02	11.41	0.30	0.8823	0.2496
TF5.5	MARGALEF	Summer1	AP	2.40	0.03	18.75	0.45	0.9218	0.0561
TF5.5	MARGALEF	Summer2	AP	2.39	0.03	18.83	0.45	0.7853	0.0916
TF5.5	MARGALEF	Winter	AP	2.12	-0.01	-6.60	-0.14	1.0000	0.5288
TF5.5	MARGALEF	Annual	BP	2.20	0.00	0.00	0.00	0.1474	0.6611
TF5.5	MARGALEF	Fall	BP	2.32	0.00	0.00	0.00	0.0950	0.9172
TF5.5	MARGALEF	SAV1	BP	1.85	0.02	16.22	0.30	0.3151	0.1139
TF5.5	MARGALEF	SAV2	BP	2.42	-0.01	-6.20	-0.15	0.5131	0.5016
TF5.5	MARGALEF	Spring1	BP	1.70	0.03	26.47	0.45	0.3659	0.0613
TF5.5	MARGALEF	Spring2	BP	2.07	0.00	0.00	0.00	0.2800	0.8761
TF5.5	MARGALEF	Summer1	BP	3.19	-0.03	-14.11	-0.45	0.5546	0.1471
TF5.5	MARGALEF	Summer2	BP	3.19	-0.03	-14.11	-0.45	0.3728	0.2723
TF5.5	MARGALEF	Winter	BP	1.76	0.01	7.95	0.14	0.3629	0.3272
TF5.5	DIATOM	Annual	AP	9170410	129210	21.13	1938157	0.0413	0.0728
TF5.5	DIATOM	Fall	AP	10334960	-53438	-7.76	-801573	0.4433	0.8353
TF5.5	DIATOM	SAV1	AP	16400263	-180304	-16.49	-2704556	0.2856	0.2712
TF5.5	DIATOM	SAV2	AP	16237531	119289	11.02	1789335	0.0056	0.3460
TF5.5	DIATOM	Spring1	AP	15235714	-239098	-23.54	-3586463	0.0993	0.2283
TF5.5	DIATOM	Spring2	AP	18625054	-198967	-16.02	-2984505	0.0126	0.5739
TF5.5	DIATOM	Summer1	AP	8736561	642466	110.31	9636987	0.5125	0.0014
TF5.5	DIATOM	Summer2	AP	7480000	586468	117.61	8797013	0.3357	0.0094
TF5.5	DIATOM	Winter	AP	2287381	106136	64.96	1485897	0.6242	0.0930
TF5.5	DIATOM	Annual	BP	9880695	223946	34.00	3359186	0.0502	0.0324
TF5.5	DIATOM	Fall	BP	17631769	78084	6.64	1171258	0.1272	0.6775
TF5.5	DIATOM	SAV1	BP	22896862	-258196	-16.91	-3872937	0.8138	0.2395
TF5.5	DIATOM	SAV2	BP	15210443	247189	24.38	3707832	0.0290	0.3260
TF5.5	DIATOM	Spring1	BP	17063387	-249167	-21.90	-3737505	0.3504	0.3768
TF5.5	DIATOM	Spring2	BP	21025263	-509531	-36.35	-7642961	0.3154	0.4055
TF5.5	DIATOM	Summer1	BP	9035199	627980	104.26	9419700	0.1598	0.0081
TF5.5	DIATOM	Summer2	BP	8064102	701776	130.54	10526641	0.0985	0.0080
TF5.5	DIATOM	Winter	BP	1583749	217815	192.54	3049414	0.9442	0.0251
TF5.5	DIATOM_C	Annual	AP	373070697	40142020	161.40	602130303	0.8339	<0.0001
TF5.5	DIATOM_C	Fall	AP	475618526	36985472	116.64	554782073	0.4781	0.0193
TF5.5	DIATOM_C	SAV1	AP	458021535	29040893	95.11	435613397	0.7206	0.0179
TF5.5	DIATOM_C	SAV2	AP	604295504	48167108	119.56	722506616	0.5707	0.0017
TF5.5	DIATOM_C	Spring1	AP	373070697	24346483	97.89	365197247	0.3079	0.1024
TF5.5	DIATOM_C	Spring2	AP	458021535	31553633	103.34	473304492	0.2149	0.0728
TF5.5	DIATOM_C	Summer1	AP	632365561	73690822	174.80	1105362323	0.7729	0.0003
TF5.5	DIATOM_C	Summer2	AP	632365561	73354496	174.00	1100317443	0.7450	0.0058
TF5.5	DIATOM_C	Winter	AP	94284748	17612571	261.52	246575987	0.6242	0.0688

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF5.5	DIATOM_C	Annual	BP	461666965	49620967	161.22	744314503	0.4235	<0.0001
TF5.5	DIATOM_C	Fall	BP	459612444	83364096	272.07	1250461441	0.1609	0.0069
TF5.5	DIATOM_C	SAV1	BP	461666965	37681236	122.43	565218533	0.7358	0.0101
TF5.5	DIATOM_C	SAV2	BP	748180591	54700402	109.67	820506023	0.7066	<0.0001
TF5.5	DIATOM_C	Spring1	BP	328425899	29667073	135.50	445006088	0.4362	0.0544
TF5.5	DIATOM_C	Spring2	BP	959141532	47405565	74.14	711083478	0.3571	0.0426
TF5.5	DIATOM_C	Summer1	BP	726710103	69487601	143.43	1042314012	0.7992	0.0001
TF5.5	DIATOM_C	Summer2	BP	511175298	55256560	162.15	828848394	0.6458	0.0010
TF5.5	DIATOM_C	Winter	BP	40817506	24882102	853.43	348349424	0.1236	0.0006
TF5.5	DINOFLG	Annual	AP	576	0	0.00	0	0.3465	0.3212
TF5.5	DINOFLG	Fall	AP	192	0	0.00	0	0.0912	0.8681
TF5.5	DINOFLG	SAV1	AP	320	0	0.00	0	0.1402	0.7449
TF5.5	DINOFLG	SAV2	AP	576	0	0.00	0	0.3088	0.9017
TF5.5	DINOFLG	Spring1	AP	1664	-26	-23.08	-384	0.1610	0.2198
TF5.5	DINOFLG	Spring2	AP	6400	0	0.00	0	0.2775	0.8082
TF5.5	DINOFLG	Summer1	AP	10112	0	0.00	0	0.7653	0.6257
TF5.5	DINOFLG	Summer2	AP	256	0	0.00	0	0.6012	0.5510
TF5.5	DINOFLG	Winter	AP	10584	0	0.00	0	0.1954	0.6639
TF5.5	DINOFLG	Annual	BP	640	0	0.00	0	0.2574	0.7041
TF5.5	DINOFLG	Fall	BP	512	0	0.00	0	0.8673	0.8458
TF5.5	DINOFLG	SAV1	BP	512	0	0.00	0	0.8199	0.8932
TF5.5	DINOFLG	SAV2	BP	1216	0	0.00	0	0.4136	0.2424
TF5.5	DINOFLG	Spring1	BP	0	0	0.00	0	0.3623	0.9339
TF5.5	DINOFLG	Spring2	BP	33178	0	0.00	0	0.5114	0.8876
TF5.5	DINOFLG	Summer1	BP	1856	0	0.00	0	0.1100	0.3755
TF5.5	DINOFLG	Summer2	BP	1856	186	150.47	2793	0.1583	0.1453
TF5.5	DINOFLG	Winter	BP	544	-6	-15.72	-86	0.4690	0.0421
TF5.5	DINOFL_C	Annual	AP	457994	0	0.00	0	0.1346	0.8473
TF5.5	DINOFL_C	Fall	AP	118698	0	0.00	0	0.0259	0.3468
TF5.5	DINOFL_C	SAV1	AP	44070	0	0.00	0	0.0445	0.3900
TF5.5	DINOFL_C	SAV2	AP	457994	7572	24.80	113579	0.0995	0.2050
TF5.5	DINOFL_C	Spring1	AP	457994	-2043	-6.69	-30650	0.1751	0.3541
TF5.5	DINOFL_C	Spring2	AP	868116	0	0.00	0	0.2476	0.7463
TF5.5	DINOFL_C	Summer1	AP	976164	13146	20.20	197184	0.5167	0.5945
TF5.5	DINOFL_C	Summer2	AP	409748	18463	67.59	276946	0.3696	0.4501
TF5.5	DINOFL_C	Winter	AP	464616	0	0.00	0	0.2971	0.7447
TF5.5	DINOFL_C	Annual	BP	101609	0	0.00	0	0.1564	0.8441
TF5.5	DINOFL_C	Fall	BP	101609	0	0.00	0	0.4809	0.8896
TF5.5	DINOFL_C	SAV1	BP	28096	0	0.00	0	0.6890	0.9390
TF5.5	DINOFL_C	SAV2	BP	216133	0	0.00	0	0.3062	0.1267
TF5.5	DINOFL_C	Spring1	BP	0	0	0.00	0	0.3874	0.9121
TF5.5	DINOFL_C	Spring2	BP	700709	0	0.00	0	0.7509	0.7136
TF5.5	DINOFL_C	Summer1	BP	557785	0	0.00	0	0.0731	0.2710
TF5.5	DINOFL_C	Summer2	BP	557785	65055	174.95	975821	0.0550	0.1533
TF5.5	DINOFL_C	Winter	BP	112857	-3320	-41.19	-46483	0.5412	0.0551
TF5.5	CYANO	Annual	AP	5492597	226867	61.96	3403001	0.6235	<0.0001
TF5.5	CYANO	Fall	AP	5070436	977398	289.15	14660977	0.7408	0.0050
TF5.5	CYANO	SAV1	AP	2949584	129963	66.09	1949441	0.3616	0.0043
TF5.5	CYANO	SAV2	AP	16650906	346231	31.19	5193466	0.7891	0.0305
TF5.5	CYANO	Spring1	AP	377703	29975	119.04	449625	0.0956	0.0506
TF5.5	CYANO	Spring2	AP	2753546	20582	11.21	308736	0.6758	0.6490
TF5.5	CYANO	Summer1	AP	17965220	2636866	220.16	39552992	0.6647	0.0406
TF5.5	CYANO	Summer2	AP	17965220	3285705	274.34	49285568	0.7393	0.0229
TF5.5	CYANO	Winter	AP	134676	112586	1170.37	1576202	0.7795	0.0026
TF5.5	CYANO	Annual	BP	6227438	221152	53.27	3317274	0.6353	<0.0001
TF5.5	CYANO	Fall	BP	14748572	394100	40.08	5911497	0.7408	0.1604

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF5.5	CYANO	SAV1	BP	3837161	214129	83.71	3211942	0.7133	0.0012
TF5.5	CYANO	SAV2	BP	14395985	422773	44.05	6341595	0.9229	0.0076
TF5.5	CYANO	Spring1	BP	420833	131189	467.61	1967835	0.3590	0.0059
TF5.5	CYANO	Spring2	BP	3694721	89609	36.38	1344128	0.6721	0.2121
TF5.5	CYANO	Summer1	BP	16198404	1426954	132.14	21404310	0.6796	0.0764
TF5.5	CYANO	Summer2	BP	16198404	2279513	211.09	34192689	0.7112	0.0446
TF5.5	CYANO	Winter	BP	22925	132275	8077.84	1851844	0.8887	0.0004
TF5.5	CYANO_C	Annual	AP	30754126	966955	47.16	14504323	0.3016	0.0001
TF5.5	CYANO_C	Fall	AP	14689445	3412251	348.44	51183769	0.7152	0.0042
TF5.5	CYANO_C	SAV1	AP	10587371	499292	70.74	7489376	0.3523	0.1047
TF5.5	CYANO_C	SAV2	AP	55805992	1562581	42.00	23438708	0.4643	0.0429
TF5.5	CYANO_C	Spring1	AP	7703066	-22189	-4.32	-332832	0.4233	0.9360
TF5.5	CYANO_C	Spring2	AP	25065412	-25015	-1.50	-375220	0.4193	0.9786
TF5.5	CYANO_C	Summer1	AP	86338566	10578437	183.78	158676554	0.6148	0.0256
TF5.5	CYANO_C	Summer2	AP	86338566	13151485	228.49	197272278	0.8368	0.0110
TF5.5	CYANO_C	Winter	AP	1599422	784174	686.40	10978437	0.6745	0.0006
TF5.5	CYANO_C	Annual	BP	32678737	583851	26.80	8757772	0.4757	<0.0001
TF5.5	CYANO_C	Fall	BP	94401393	1516230	24.09	22743455	0.8572	0.1188
TF5.5	CYANO_C	SAV1	BP	15767891	638483	60.74	9577247	0.7513	0.0091
TF5.5	CYANO_C	SAV2	BP	107682933	1143312	15.93	17149678	0.9903	0.0403
TF5.5	CYANO_C	Spring1	BP	2643238	305756	173.51	4586334	0.3205	0.0376
TF5.5	CYANO_C	Spring2	BP	23273048	284554	18.34	4268315	0.9448	0.2121
TF5.5	CYANO_C	Summer1	BP	240650049	3745209	23.34	56178141	0.9318	0.1471
TF5.5	CYANO_C	Summer2	BP	240650049	4477100	27.91	67156506	0.8448	0.2723
TF5.5	CYANO_C	Winter	BP	74594	441056	8277.86	6174789	0.4840	<0.0001
TF5.5	CHLORO	Annual	AP	845964	162073	287.38	2431090	0.9835	<0.0001
TF5.5	CHLORO	Fall	AP	540035	293852	816.20	4407780	0.6542	0.0001
TF5.5	CHLORO	SAV1	AP	772436	145621	282.78	2184320	0.7828	<0.0001
TF5.5	CHLORO	SAV2	AP	2679772	319001	178.56	4785011	0.8733	<0.0001
TF5.5	CHLORO	Spring1	AP	63911	88777	2083.61	1331649	0.3594	0.0001
TF5.5	CHLORO	Spring2	AP	986000	145036	220.64	2175541	0.4248	0.0002
TF5.5	CHLORO	Summer1	AP	2982923	694670	349.32	10420046	0.9564	<0.0001
TF5.5	CHLORO	Summer2	AP	2996393	812635	406.81	12189525	0.8532	<0.0001
TF5.5	CHLORO	Winter	AP	12992	56858	6126.92	796009	0.8887	0.0026
TF5.5	CHLORO	Annual	BP	1091046	127693	175.56	1915400	0.8290	<0.0001
TF5.5	CHLORO	Fall	BP	913795	187500	307.78	2812493	0.6542	0.0036
TF5.5	CHLORO	SAV1	BP	1053132	116664	166.17	1749963	0.6140	<0.0001
TF5.5	CHLORO	SAV2	BP	2525683	292702	173.84	4390528	0.9635	<0.0001
TF5.5	CHLORO	Spring1	BP	288922	95764	497.18	1436457	0.4554	<0.0001
TF5.5	CHLORO	Spring2	BP	1947084	145997	112.47	2189952	0.7448	0.0026
TF5.5	CHLORO	Summer1	BP	3511051	577818	246.86	8667263	0.8151	0.0003
TF5.5	CHLORO	Summer2	BP	2525683	733635	435.71	11004529	0.8250	0.0005
TF5.5	CHLORO	Winter	BP	2432	42705	24583.58	597873	0.5288	<0.0001
TF5.5	CHLORO_C	Annual	AP	16502799	24716318	2246.56	370744768	0.9597	<0.0001
TF5.5	CHLORO_C	Fall	AP	8579541	37136567	6492.75	557048507	0.8760	<0.0001
TF5.5	CHLORO_C	SAV1	AP	13674242	22961204	2518.74	344418055	0.6655	<0.0001
TF5.5	CHLORO_C	SAV2	AP	45476068	44510714	1468.16	667660712	0.7563	<0.0001
TF5.5	CHLORO_C	Spring1	AP	1172320	14441590	18478.22	216623845	0.2607	<0.0001
TF5.5	CHLORO_C	Spring2	AP	20651591	23780755	1727.28	356711319	0.4181	<0.0001
TF5.5	CHLORO_C	Summer1	AP	66393944	86246355	1948.51	1293695318	0.9254	<0.0001
TF5.5	CHLORO_C	Summer2	AP	50687353	81864264	2422.62	1227963957	0.8268	<0.0001
TF5.5	CHLORO_C	Winter	AP	209112	7700564	51555.17	107807891	1.0000	0.0001
TF5.5	CHLORO_C	Annual	BP	18632630	24273645	1954.12	364104668	0.9873	<0.0001
TF5.5	CHLORO_C	Fall	BP	12804704	26230272	3072.73	393454082	0.6721	0.0002
TF5.5	CHLORO_C	SAV1	BP	16423667	17931977	1637.76	268979654	0.8666	<0.0001
TF5.5	CHLORO_C	SAV2	BP	46798658	46920851	1503.92	703812759	0.9249	<0.0001

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF5.5	CHLORO_C	Spring1	BP	2892171	14255106	7393.29	213826593	0.8903	<0.0001
TF5.5	CHLORO_C	Spring2	BP	24627513	31107211	1894.66	466608168	0.8572	<0.0001
TF5.5	CHLORO_C	Summer1	BP	111115541	81873254	1105.24	1228098816	0.9546	<0.0001
TF5.5	CHLORO_C	Summer2	BP	76850998	80144661	1564.29	1202169914	0.9354	<0.0001
TF5.5	CHLORO_C	Winter	BP	79383	5214962	91971.12	73009472	0.7264	<0.0001
TF5.5	CRYPTO	Annual	AP	476008	77528	244.31	1162923	0.7943	<0.0001
TF5.5	CRYPTO	Fall	AP	176885	44034	373.41	660510	0.9755	0.0271
TF5.5	CRYPTO	SAV1	AP	423015	57327	203.28	859898	0.9594	0.0020
TF5.5	CRYPTO	SAV2	AP	616456	89936	218.84	1349035	0.4851	<0.0001
TF5.5	CRYPTO	Spring1	AP	544666	46566	128.24	698496	0.7548	0.0647
TF5.5	CRYPTO	Spring2	AP	605647	97945	242.58	1469169	0.1165	0.0021
TF5.5	CRYPTO	Summer1	AP	616456	124619	303.23	1869279	0.4257	<0.0001
TF5.5	CRYPTO	Summer2	AP	616456	108575	264.19	1628621	0.6519	0.0025
TF5.5	CRYPTO	Winter	AP	544048	78321	201.54	1096491	0.3272	0.0041
TF5.5	CRYPTO	Annual	BP	426752	64118	225.37	961763	0.7429	<0.0001
TF5.5	CRYPTO	Fall	BP	403796	65300	242.57	979501	0.4966	0.1070
TF5.5	CRYPTO	SAV1	BP	403796	47706	177.22	715595	0.5817	0.0081
TF5.5	CRYPTO	SAV2	BP	678515	59723	132.03	895849	0.4929	0.0004
TF5.5	CRYPTO	Spring1	BP	821144	40368	73.74	605515	0.4088	0.0482
TF5.5	CRYPTO	Spring2	BP	1393455	32768	35.27	491522	0.7311	0.1527
TF5.5	CRYPTO	Summer1	BP	678515	82855	183.17	1242818	0.5220	0.0002
TF5.5	CRYPTO	Summer2	BP	678515	112574	248.87	1688612	0.4709	0.0002
TF5.5	CRYPTO	Winter	BP	176756	80492	637.54	1126884	0.5288	0.0251
TF5.5	CRYPTO_C	Annual	AP	11428952	1861452	244.31	27921777	0.7943	<0.0001
TF5.5	CRYPTO_C	Fall	AP	4246997	1057256	373.41	15858840	0.9755	0.0271
TF5.5	CRYPTO_C	SAV1	AP	10156578	1376411	203.28	20646159	0.9594	0.0020
TF5.5	CRYPTO_C	SAV2	AP	14801109	2159356	218.84	32390333	0.4851	<0.0001
TF5.5	CRYPTO_C	Spring1	AP	13077419	1118059	128.24	16770889	0.7548	0.0647
TF5.5	CRYPTO_C	Spring2	AP	14541572	2351650	242.58	35274748	0.1165	0.0021
TF5.5	CRYPTO_C	Summer1	AP	14801109	2992093	303.23	44881389	0.4257	<0.0001
TF5.5	CRYPTO_C	Summer2	AP	14801109	2606880	264.19	39103196	0.6519	0.0025
TF5.5	CRYPTO_C	Winter	AP	13062580	1880481	201.54	26326737	0.3272	0.0041
TF5.5	CRYPTO_C	Annual	BP	10246316	1539461	225.37	23091918	0.7429	<0.0001
TF5.5	CRYPTO_C	Fall	BP	9695130	1567854	242.57	23517817	0.4966	0.1070
TF5.5	CRYPTO_C	SAV1	BP	9695130	1145429	177.22	17181436	0.5817	0.0081
TF5.5	CRYPTO_C	SAV2	BP	16291145	1433956	132.03	21509337	0.4929	0.0004
TF5.5	CRYPTO_C	Spring1	BP	19715655	969227	73.74	14538407	0.4088	0.0482
TF5.5	CRYPTO_C	Spring2	BP	33456855	786762	35.27	11801430	0.7311	0.1527
TF5.5	CRYPTO_C	Summer1	BP	16291145	1989337	183.17	29840048	0.5220	0.0002
TF5.5	CRYPTO_C	Summer2	BP	16291145	2702905	248.87	40543578	0.4709	0.0002
TF5.5	CRYPTO_C	Winter	BP	4223693	1935131	641.43	27091837	0.5288	0.0251
TF5.5	PROCARY	Annual	AP	0.35	0.01	42.86	0.15	0.2799	0.0019
TF5.5	PROCARY	Fall	AP	0.35	0.05	214.29	0.75	0.4781	0.0193
TF5.5	PROCARY	SAV1	AP	0.17	0.01	88.24	0.15	0.3798	0.0024
TF5.5	PROCARY	SAV2	AP	0.58	0.00	0.00	0.00	0.5619	0.4426
TF5.5	PROCARY	Spring1	AP	0.03	0.01	500.00	0.15	0.6269	0.0094
TF5.5	PROCARY	Spring2	AP	0.13	0.00	0.00	0.00	0.2270	0.5033
TF5.5	PROCARY	Summer1	AP	2.58	-0.03	-17.44	-0.45	0.8109	0.4756
TF5.5	PROCARY	Summer2	AP	2.58	-0.01	-5.81	-0.15	0.8197	0.8096
TF5.5	PROCARY	Winter	AP	0.09	0.02	311.11	0.28	0.7264	0.0078
TF5.5	PROCARY	Annual	BP	0.35	0.01	42.86	0.15	0.2917	0.0065
TF5.5	PROCARY	Fall	BP	0.72	0.02	41.67	0.30	0.3078	0.2527
TF5.5	PROCARY	SAV1	BP	0.15	0.02	200.00	0.30	0.6361	0.0033
TF5.5	PROCARY	SAV2	BP	0.46	0.01	32.61	0.15	0.2775	0.1430
TF5.5	PROCARY	Spring1	BP	0.03	0.01	500.00	0.15	0.8412	0.0042
TF5.5	PROCARY	Spring2	BP	0.11	0.01	136.36	0.15	0.1852	0.1604

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF5.5	PROCARY	Summer1	BP	1.46	-0.02	-20.55	-0.30	0.7995	0.5966
TF5.5	PROCARY	Summer2	BP	1.46	-0.01	-10.27	-0.15	0.6566	0.8096
TF5.5	PROCARY	Winter	BP	0.01	0.01	1400.00	0.14	0.5756	0.0096
TF5.5	PROCAR_C	Annual	AP	0.05	0.00	0.00	0.00	0.3189	0.2283
TF5.5	PROCAR_C	Fall	AP	0.02	0.00	0.00	0.00	0.6776	0.8761
TF5.5	PROCAR_C	SAV1	AP	0.03	0.00	0.00	0.00	0.5082	0.1734
TF5.5	PROCAR_C	SAV2	AP	0.07	0.00	0.00	0.00	0.5415	0.0466
TF5.5	PROCAR_C	Spring1	AP	0.02	0.00	0.00	0.00	0.3178	0.1721
TF5.5	PROCAR_C	Spring2	AP	0.04	0.00	0.00	0.00	0.1914	0.0573
TF5.5	PROCAR_C	Summer1	AP	0.09	0.00	0.00	0.00	0.4433	0.0764
TF5.5	PROCAR_C	Summer2	AP	0.09	0.00	0.00	0.00	0.6037	0.3769
TF5.5	PROCAR_C	Winter	AP	0.02	0.00	0.00	0.00	0.3629	0.1236
TF5.5	PROCAR_C	Annual	BP	0.04	0.00	0.00	0.00	0.2215	0.6419
TF5.5	PROCAR_C	Fall	BP	0.13	0.00	0.00	0.00	0.6437	0.7949
TF5.5	PROCAR_C	SAV1	BP	0.02	0.00	0.00	0.00	0.8768	0.6068
TF5.5	PROCAR_C	SAV2	BP	0.10	0.00	0.00	0.00	0.4794	0.1017
TF5.5	PROCAR_C	Spring1	BP	0.01	0.00	0.00	0.00	0.4397	0.6032
TF5.5	PROCAR_C	Spring2	BP	0.02	0.00	0.00	0.00	0.7388	0.4667
TF5.5	PROCAR_C	Summer1	BP	0.25	0.00	0.00	0.00	0.3089	0.0406
TF5.5	PROCAR_C	Summer2	BP	0.32	0.00	0.00	0.00	0.1687	0.0647
TF5.5	PROCAR_C	Winter	BP	0.00	0.00	0.00	0.00	0.2938	0.1236
TF5.5	EUGLENO	Annual	BP	320	0	0.00	0	0.7573	<0.0001
TF5.5	EUGLENO	Fall	BP	64	0	0.00	0	0.7486	0.0547
TF5.5	EUGLENO	SAV1	BP	0	0	0.00	0	0.8146	0.0038
TF5.5	EUGLENO	SAV2	BP	768	-32	-62.50	-480	0.7345	0.0001
TF5.5	EUGLENO	Spring1	BP	0	0	0.00	0	0.8640	0.1046
TF5.5	EUGLENO	Spring2	BP	512	0	0.00	0	0.9005	0.0279
TF5.5	EUGLENO	Summer1	BP	2560	-77	-45.00	-1152	0.3986	0.0004
TF5.5	EUGLENO	Summer2	BP	4224	-128	-45.45	-1920	0.2319	0.0016
TF5.5	EUGLENO	Winter	BP	12983	0	0.00	0	0.3967	0.6527
TF5.5	EUGLEN_C	Annual	BP	75152	0	0.00	0	0.5468	<0.0001
TF5.5	EUGLEN_C	Fall	BP	51441	0	0.00	0	0.7050	0.0587
TF5.5	EUGLEN_C	SAV1	BP	0	0	0.00	0	0.7242	0.0100
TF5.5	EUGLEN_C	SAV2	BP	250627	-22863	-136.83	-342942	0.4860	<0.0001
TF5.5	EUGLEN_C	Spring1	BP	0	0	0.00	0	0.7534	0.2299
TF5.5	EUGLEN_C	Spring2	BP	23711	-2770	-175.23	-41548	0.3369	0.0227
TF5.5	EUGLEN_C	Summer1	BP	2854950	-81785	-42.97	-1226778	0.3699	0.0001
TF5.5	EUGLEN_C	Summer2	BP	3866390	-110703	-42.95	-1660550	0.2332	0.0014
TF5.5	EUGLEN_C	Winter	BP	2362158	0	0.00	0	0.2944	0.5672
TF5.5	PICO	Annual	AP	64400000	-462833	-8.62	-5554000	0.9142	0.0724
TF5.5	PICO	Fall	AP	21150000	72304	4.10	867643	0.7536	0.8326
TF5.5	PICO	SAV1	AP	21300000	-280875	-15.82	-3370500	0.9445	0.4377
TF5.5	PICO	SAV2	AP	178000000	-1744068	-11.76	-20928815	0.7382	0.1421
TF5.5	PICO	Spring1	AP	16400000	-26286	-1.92	-315429	0.9688	0.7111
TF5.5	PICO	Spring2	AP	136000000	-1420429	-12.53	-17045143	0.3342	0.2020
TF5.5	PICO	Summer1	AP	309000000	-12928000	-50.21	-155136000	0.6788	0.0437
TF5.5	PICO	Summer2	AP	274000000	-7110000	-31.14	-85320000	0.8283	0.2131
TF5.5	PICO	Winter	AP	24600000	-314875	-15.36	-3778500	0.6278	0.1458
TF5.5	PICO	Annual	BP	32800000	-249667	-9.13	-2996000	0.9172	0.2973
TF5.5	PICO	Fall	BP	23950000	-416000	-20.84	-4992000	0.8322	0.7247
TF5.5	PICO	SAV1	BP	25300000	-64277	-3.05	-771319	0.7993	0.8745
TF5.5	PICO	SAV2	BP	161500000	-604000	-4.49	-7248000	0.6135	0.7084
TF5.5	PICO	Spring1	BP	21200000	227402	12.87	2728818	0.5582	0.6347
TF5.5	PICO	Spring2	BP	113000000	-244333	-2.59	-2932000	0.1515	0.8742
TF5.5	PICO	Summer1	BP	271000000	-6293333	-27.87	-75520000	0.6025	0.1973
TF5.5	PICO	Summer2	BP	248000000	-2533375	-12.26	-30400500	0.7885	0.5714

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF5.5	PICO	Winter	BP	15605000	-151625	-11.66	-1819500	0.6278	0.3828
TF5.5	PICO_C	Annual	AP	96600000	-694250	-8.62	-8331000	0.9142	0.0724
TF5.5	PICO_C	Fall	AP	31725000	108455	4.10	1301464	0.7536	0.8326
TF5.5	PICO_C	SAV1	AP	31950000	-421313	-15.82	-5055750	0.9445	0.4377
TF5.5	PICO_C	SAV2	AP	267000000	-2616102	-11.76	-31393222	0.7382	0.1421
TF5.5	PICO_C	Spring1	AP	24600000	-39429	-1.92	-473143	0.9688	0.7111
TF5.5	PICO_C	Spring2	AP	204000000	-2130643	-12.53	-25567715	0.3342	0.2020
TF5.5	PICO_C	Summer1	AP	463500000	-19392000	-50.21	-232704000	0.6788	0.0437
TF5.5	PICO_C	Summer2	AP	411000000	-10665000	-31.14	-127980000	0.8283	0.2131
TF5.5	PICO_C	Winter	AP	36900000	-472313	-15.36	-5667750	0.6278	0.1458
TF5.5	PICO_C	Annual	BP	49200000	-374500	-9.13	-4494000	0.9172	0.2973
TF5.5	PICO_C	Fall	BP	35925000	-624000	-20.84	-7488000	0.8322	0.7247
TF5.5	PICO_C	SAV1	BP	37950000	-96415	-3.05	-1156978	0.7993	0.8745
TF5.5	PICO_C	SAV2	BP	242250000	-906000	-4.49	-10872000	0.6135	0.7084
TF5.5	PICO_C	Spring1	BP	31800000	341102	12.87	4093227	0.5582	0.6347
TF5.5	PICO_C	Spring2	BP	169500000	-366500	-2.59	-4398000	0.1515	0.8742
TF5.5	PICO_C	Summer1	BP	406500000	-9440000	-27.87	-113280000	0.6025	0.1973
TF5.5	PICO_C	Summer2	BP	372000000	-3800063	-12.26	-45600750	0.7885	0.5714
TF5.5	PICO_C	Winter	BP	23407500	-227438	-11.66	-2729250	0.6278	0.3828
TF5.5	N_SP	Annual	AP	41.50	0.45	16.27	6.75	0.9160	0.0035
TF5.5	N_SP	Fall	AP	37.50	0.85	34.00	12.75	0.8132	0.0346
TF5.5	N_SP	SAV1	AP	34.00	0.40	17.65	6.00	0.8348	0.0360
TF5.5	N_SP	SAV2	AP	42.50	0.60	21.18	9.00	0.8087	0.0083
TF5.5	N_SP	Spring1	AP	34.00	0.20	8.82	3.00	0.6626	0.4047
TF5.5	N_SP	Spring2	AP	45.00	0.25	8.33	3.75	0.6462	0.3339
TF5.5	N_SP	Summer1	AP	43.00	0.80	27.91	12.00	0.7167	0.0165
TF5.5	N_SP	Summer2	AP	42.50	0.86	30.35	12.90	0.5917	0.0183
TF5.5	N_SP	Winter	AP	32.50	0.00	0.00	0.00	0.9719	0.9718
TF5.5	N_SP	Annual	BP	39.50	0.25	9.49	3.75	0.2274	0.1734
TF5.5	N_SP	Fall	BP	41.00	0.00	0.00	0.00	0.0995	0.9792
TF5.5	N_SP	SAV1	BP	33.50	0.50	22.39	7.50	0.5141	0.0338
TF5.5	N_SP	SAV2	BP	42.50	0.00	0.00	0.00	0.6771	0.8763
TF5.5	N_SP	Spring1	BP	30.00	0.60	30.00	9.00	0.6823	0.0187
TF5.5	N_SP	Spring2	BP	38.00	0.32	12.63	4.80	0.4078	0.4035
TF5.5	N_SP	Summer1	BP	58.50	-0.33	-8.46	-4.95	0.7269	0.4325
TF5.5	N_SP	Summer2	BP	58.50	-0.13	-3.33	-1.95	0.5355	0.5725
TF5.5	N_SP	Winter	BP	26.50	0.45	23.77	6.30	0.4551	0.0972
TF5.5	N_GENERA	Annual	AP	32.50	0.50	23.08	7.50	0.8574	0.0003
TF5.5	N_GENERA	Fall	AP	30.50	0.76	37.38	11.40	0.3510	0.0105
TF5.5	N_GENERA	SAV1	AP	29.50	0.50	25.42	7.50	0.7077	0.0020
TF5.5	N_GENERA	SAV2	AP	34.00	0.50	22.06	7.50	0.8181	0.0036
TF5.5	N_GENERA	Spring1	AP	29.50	0.33	16.78	4.95	0.6941	0.0949
TF5.5	N_GENERA	Spring2	AP	35.00	0.40	17.14	6.00	0.6992	0.1128
TF5.5	N_GENERA	Summer1	AP	35.50	0.44	18.59	6.60	0.5779	0.0299
TF5.5	N_GENERA	Summer2	AP	34.00	0.45	19.85	6.75	0.3799	0.0466
TF5.5	N_GENERA	Winter	AP	28.00	0.20	10.00	2.80	1.0000	0.5741
TF5.5	N_GENERA	Annual	BP	30.00	0.33	16.50	4.95	0.2659	0.0286
TF5.5	N_GENERA	Fall	BP	32.00	0.25	11.72	3.75	0.1991	0.5842
TF5.5	N_GENERA	SAV1	BP	29.00	0.45	23.28	6.75	0.5059	0.0310
TF5.5	N_GENERA	SAV2	BP	32.00	0.09	4.22	1.35	0.7154	0.6782
TF5.5	N_GENERA	Spring1	BP	25.00	0.60	36.00	9.00	0.7831	0.0214
TF5.5	N_GENERA	Spring2	BP	30.00	0.32	16.00	4.80	0.5406	0.3081
TF5.5	N_GENERA	Summer1	BP	42.50	-0.09	-3.18	-1.35	0.6677	0.6780
TF5.5	N_GENERA	Summer2	BP	42.50	-0.08	-2.82	-1.20	0.4629	0.7679
TF5.5	N_GENERA	Winter	BP	23.00	0.54	32.87	7.56	0.3440	0.0099
TF5.5	SHANNON	Annual	AP	2.44	0.06	36.89	0.90	0.8870	<0.0001

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF5.5	SHANNON	Fall	AP	2.51	0.04	23.90	0.60	0.7777	0.0290
TF5.5	SHANNON	SAV1	AP	2.40	0.07	43.75	1.05	0.5085	<0.0001
TF5.5	SHANNON	SAV2	AP	2.27	0.08	52.86	1.20	0.6928	<0.0001
TF5.5	SHANNON	Spring1	AP	2.33	0.08	51.50	1.20	0.8766	0.0035
TF5.5	SHANNON	Spring2	AP	2.23	0.10	67.26	1.50	0.8523	0.0004
TF5.5	SHANNON	Summer1	AP	2.34	0.07	44.87	1.05	0.3418	<0.0001
TF5.5	SHANNON	Summer2	AP	2.34	0.06	38.46	0.90	0.2036	0.0006
TF5.5	SHANNON	Winter	AP	2.89	0.05	24.22	0.70	0.5288	0.0051
TF5.5	SHANNON	Annual	BP	2.42	0.06	37.19	0.90	0.9496	<0.0001
TF5.5	SHANNON	Fall	BP	2.41	0.04	24.90	0.60	0.5700	0.0376
TF5.5	SHANNON	SAV1	BP	2.22	0.07	47.30	1.05	0.6164	0.0001
TF5.5	SHANNON	SAV2	BP	2.42	0.06	37.19	0.90	0.8354	<0.0001
TF5.5	SHANNON	Spring1	BP	2.10	0.08	57.14	1.20	0.4966	0.0015
TF5.5	SHANNON	Spring2	BP	1.96	0.09	68.88	1.35	0.6721	0.0030
TF5.5	SHANNON	Summer1	BP	2.92	0.06	30.82	0.90	0.8957	0.0001
TF5.5	SHANNON	Summer2	BP	2.92	0.06	30.82	0.90	0.8580	0.0017
TF5.5	SHANNON	Winter	BP	2.17	0.08	51.61	1.12	0.6745	0.0588
TF5.5	EVENNESS	Annual	AP	0.49	0.01	30.61	0.15	0.5134	<0.0001
TF5.5	EVENNESS	Fall	AP	0.50	0.01	30.00	0.15	0.7448	0.0688
TF5.5	EVENNESS	SAV1	AP	0.46	0.01	32.61	0.15	0.3096	<0.0001
TF5.5	EVENNESS	SAV2	AP	0.43	0.01	34.88	0.15	0.2245	<0.0001
TF5.5	EVENNESS	Spring1	AP	0.44	0.01	34.09	0.15	0.7786	0.0030
TF5.5	EVENNESS	Spring2	AP	0.41	0.02	73.17	0.30	0.8393	0.0002
TF5.5	EVENNESS	Summer1	AP	0.43	0.01	34.88	0.15	0.0613	0.0003
TF5.5	EVENNESS	Summer2	AP	0.43	0.01	34.88	0.15	0.0338	0.0058
TF5.5	EVENNESS	Winter	AP	0.58	0.01	24.14	0.14	0.4010	0.0209
TF5.5	EVENNESS	Annual	BP	0.46	0.01	32.61	0.15	0.8508	<0.0001
TF5.5	EVENNESS	Fall	BP	0.46	0.01	32.61	0.15	0.3749	0.2121
TF5.5	EVENNESS	SAV1	BP	0.46	0.01	32.61	0.15	0.4351	0.0014
TF5.5	EVENNESS	SAV2	BP	0.45	0.01	33.33	0.15	0.6028	0.0002
TF5.5	EVENNESS	Spring1	BP	0.44	0.01	34.09	0.15	0.6981	0.0026
TF5.5	EVENNESS	Spring2	BP	0.40	0.01	37.50	0.15	0.7408	0.0030
TF5.5	EVENNESS	Summer1	BP	0.49	0.01	30.61	0.15	0.8020	0.0002
TF5.5	EVENNESS	Summer2	BP	0.49	0.01	30.61	0.15	0.7203	0.0035
TF5.5	EVENNESS	Winter	BP	0.46	0.01	30.43	0.14	0.6745	0.0588
RET5.2	TOTABUND	Annual	AP	7429901	611919	123.54	9178778	0.0798	0.0048
RET5.2	TOTABUND	Fall	AP	15868081	-533730	-50.45	-8005957	0.8143	0.0962
RET5.2	TOTABUND	SAV1	AP	9131543	509309	83.66	7639640	0.1961	0.1259
RET5.2	TOTABUND	SAV2	AP	9131543	913326	150.03	13699896	0.1904	0.0026
RET5.2	TOTABUND	Spring1	AP	6741583	672087	149.54	10081305	0.6671	0.0736
RET5.2	TOTABUND	Spring2	AP	13406529	1439972	161.11	21599574	0.4847	0.0145
RET5.2	TOTABUND	Summer1	AP	7289712	1399024	287.88	20985354	0.4460	0.0007
RET5.2	TOTABUND	Summer2	AP	7289712	1221748	251.40	18326225	0.2950	0.0068
RET5.2	TOTABUND	Winter	AP	2875132	789031	384.21	11046433	0.3972	0.0276
RET5.2	TOTABUND	Annual	BP	12001736	676485	84.55	10147274	0.9737	0.0001
RET5.2	TOTABUND	Fall	BP	9965559	323872	48.75	4858084	0.8434	0.2121
RET5.2	TOTABUND	SAV1	BP	12800742	767410	89.93	11511146	0.8627	0.0107
RET5.2	TOTABUND	SAV2	BP	13495177	858493	95.42	12877395	0.9047	0.0050
RET5.2	TOTABUND	Spring1	BP	11553660	889285	115.45	13339274	0.5079	0.1301
RET5.2	TOTABUND	Spring2	BP	19131295	955197	74.89	14327949	0.4654	0.0962
RET5.2	TOTABUND	Summer1	BP	13074827	1114383	127.85	16715742	0.8456	0.0093
RET5.2	TOTABUND	Summer2	BP	13074827	989721	113.55	14845815	0.7498	0.0446
RET5.2	TOTABUND	Winter	BP	3529799	599126	237.63	8387764	0.8472	0.0188
RET5.2	TOTBMASS	Annual	AP	178134219	36914823	310.85	553722347	0.0328	<0.0001
RET5.2	TOTBMASS	Fall	AP	198186280	-3586629	-27.15	-53799434	0.8572	0.6399
RET5.2	TOTBMASS	SAV1	AP	160254121	36508226	341.72	547623383	0.0412	<0.0001

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET5.2	TOTBMASS	SAV2	AP	220611258	57186320	388.83	857794803	0.1434	<0.0001
RET5.2	TOTBMASS	Spring1	AP	180688128	71650458	594.81	1074756867	0.6108	<0.0001
RET5.2	TOTBMASS	Spring2	AP	291415737	89062018	458.43	1335930272	0.7211	<0.0001
RET5.2	TOTBMASS	Summer1	AP	161745343	59924722	555.73	898870824	0.5255	0.0001
RET5.2	TOTBMASS	Summer2	AP	161745343	55029320	510.33	825439797	0.4684	0.0042
RET5.2	TOTBMASS	Winter	AP	220844406	64697190	410.14	905760653	0.2793	0.0007
RET5.2	TOTBMASS	Annual	BP	282629323	56770623	301.30	851559343	0.8108	<0.0001
RET5.2	TOTBMASS	Fall	BP	198462568	27520738	208.00	412811065	0.7777	0.0080
RET5.2	TOTBMASS	SAV1	BP	240151106	70681446	441.48	1060221694	0.8516	<0.0001
RET5.2	TOTBMASS	SAV2	BP	461059124	60369649	196.41	905544733	0.5599	<0.0001
RET5.2	TOTBMASS	Spring1	BP	304935178	102021105	501.85	1530316575	0.8140	<0.0001
RET5.2	TOTBMASS	Spring2	BP	475922295	100482012	316.70	1507230180	0.7289	<0.0001
RET5.2	TOTBMASS	Summer1	BP	432501103	54012495	187.33	810187428	0.4855	0.0002
RET5.2	TOTBMASS	Summer2	BP	369017392	47566979	193.35	713504678	0.3326	0.0030
RET5.2	TOTBMASS	Winter	BP	149016357	52240072	490.79	731361012	0.4491	0.0010
RET5.2	RATIO	Annual	AP	19.79	1.29	97.78	19.35	0.7855	<0.0001
RET5.2	RATIO	Fall	AP	19.39	0.51	39.45	7.65	0.9973	0.1765
RET5.2	RATIO	SAV1	AP	20.87	1.41	101.34	21.15	0.9420	0.0016
RET5.2	RATIO	SAV2	AP	18.20	1.21	99.73	18.15	0.4032	0.0023
RET5.2	RATIO	Spring1	AP	27.57	2.23	121.33	33.45	0.8240	0.0064
RET5.2	RATIO	Spring2	AP	18.90	1.90	150.79	28.50	0.8034	0.0018
RET5.2	RATIO	Summer1	AP	17.83	0.91	76.56	13.65	0.1649	0.0505
RET5.2	RATIO	Summer2	AP	18.20	0.59	48.63	8.85	0.1719	0.2964
RET5.2	RATIO	Winter	AP	60.94	3.96	90.97	55.44	0.6914	0.0188
RET5.2	RATIO	Annual	BP	25.68	1.47	85.86	22.05	0.7421	<0.0001
RET5.2	RATIO	Fall	BP	23.34	0.76	48.84	11.40	0.3401	0.0862
RET5.2	RATIO	SAV1	BP	27.82	1.63	87.89	24.45	0.6633	0.0005
RET5.2	RATIO	SAV2	BP	27.82	1.35	72.79	20.25	0.5097	0.0016
RET5.2	RATIO	Spring1	BP	27.82	3.25	175.23	48.75	0.9501	0.0016
RET5.2	RATIO	Spring2	BP	27.82	2.66	143.42	39.90	0.7820	0.0059
RET5.2	RATIO	Summer1	BP	24.03	1.07	66.79	16.05	0.4101	0.0201
RET5.2	RATIO	Summer2	BP	22.96	1.01	65.98	15.15	0.2372	0.0392
RET5.2	RATIO	Winter	BP	43.08	3.37	109.52	47.18	0.2848	0.0276
RET5.2	MARGALEF	Annual	AP	1.65	0.00	0.00	0.00	0.6444	0.8921
RET5.2	MARGALEF	Fall	AP	1.93	-0.02	-15.54	-0.30	0.7289	0.1604
RET5.2	MARGALEF	SAV1	AP	1.49	0.01	10.07	0.15	0.6899	0.4385
RET5.2	MARGALEF	SAV2	AP	1.59	0.01	9.43	0.15	0.6991	0.5465
RET5.2	MARGALEF	Spring1	AP	1.41	0.01	10.64	0.15	0.7597	0.3638
RET5.2	MARGALEF	Spring2	AP	1.36	0.01	11.03	0.15	0.8165	0.3494
RET5.2	MARGALEF	Summer1	AP	1.93	0.00	0.00	0.00	0.4363	0.8359
RET5.2	MARGALEF	Summer2	AP	1.93	0.00	0.00	0.00	0.2563	0.8513
RET5.2	MARGALEF	Winter	AP	1.91	0.00	0.00	0.00	0.1415	0.9415
RET5.2	MARGALEF	Annual	BP	1.60	0.00	0.00	0.00	0.0469	0.7040
RET5.2	MARGALEF	Fall	BP	1.50	-0.02	-20.00	-0.30	0.0173	0.2527
RET5.2	MARGALEF	SAV1	BP	1.39	0.02	21.58	0.30	0.2877	0.1456
RET5.2	MARGALEF	SAV2	BP	1.66	0.00	0.00	0.00	0.3897	0.7696
RET5.2	MARGALEF	Spring1	BP	1.31	0.02	22.90	0.30	0.3645	0.1044
RET5.2	MARGALEF	Spring2	BP	1.49	0.02	20.13	0.30	0.4781	0.2749
RET5.2	MARGALEF	Summer1	BP	1.93	-0.01	-7.77	-0.15	0.4682	0.5966
RET5.2	MARGALEF	Summer2	BP	2.03	-0.01	-7.39	-0.15	0.4455	0.3487
RET5.2	MARGALEF	Winter	BP	1.36	0.02	20.59	0.28	0.3053	0.1863
RET5.2	DIATOM	Annual	AP	5105022	152406	44.78	2286090	0.4705	0.0978
RET5.2	DIATOM	Fall	AP	7448826	-197408	-39.75	-2961114	0.9973	0.1316
RET5.2	DIATOM	SAV1	AP	6037005	37011	9.20	555170	0.5518	0.7768
RET5.2	DIATOM	SAV2	AP	6037005	276803	68.78	4152050	0.4976	0.0558
RET5.2	DIATOM	Spring1	AP	3838710	169056	66.06	2535845	0.8749	0.4574

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET5.2	DIATOM	Spring2	AP	6962587	310244	66.84	4653656	0.4433	0.1765
RET5.2	DIATOM	Summer1	AP	5105022	437039	128.41	6555585	0.8840	0.0062
RET5.2	DIATOM	Summer2	AP	5105022	422800	124.23	6342000	0.8228	0.0344
RET5.2	DIATOM	Winter	AP	2305361	198570	120.59	2779976	0.3327	0.2120
RET5.2	DIATOM	Annual	BP	6781094	315352	69.76	4730277	0.8606	0.0009
RET5.2	DIATOM	Fall	BP	3781153	213088	84.53	3196319	0.9347	0.1316
RET5.2	DIATOM	SAV1	BP	4922839	317121	96.63	4756822	0.5883	0.0668
RET5.2	DIATOM	SAV2	BP	8253190	404680	73.55	6070196	0.4917	0.0102
RET5.2	DIATOM	Spring1	BP	9815697	161498	24.68	2422470	0.3028	0.6010
RET5.2	DIATOM	Spring2	BP	14036433	108449	11.59	1626735	0.5130	0.7159
RET5.2	DIATOM	Summer1	BP	8253190	510080	92.71	7651199	0.7750	0.0022
RET5.2	DIATOM	Summer2	BP	8253190	588548	106.97	8828216	0.6535	0.0035
RET5.2	DIATOM	Winter	BP	2920100	121945	58.46	1707227	0.6133	0.2120
RET5.2	DIATOM_C	Annual	AP	112405846	20915452	279.11	313731780	0.0686	<0.0001
RET5.2	DIATOM_C	Fall	AP	142794515	-3170831	-33.31	-47562465	0.6649	0.4667
RET5.2	DIATOM_C	SAV1	AP	109786255	20026116	273.62	300391740	0.1228	0.0004
RET5.2	DIATOM_C	SAV2	AP	117653325	31018202	395.46	465273025	0.3876	<0.0001
RET5.2	DIATOM_C	Spring1	AP	94308401	37674027	599.22	565110410	0.7408	0.0001
RET5.2	DIATOM_C	Spring2	AP	188205956	55531839	442.59	832977583	0.8783	<0.0001
RET5.2	DIATOM_C	Summer1	AP	110560291	32061748	434.99	480926215	0.4469	0.0008
RET5.2	DIATOM_C	Summer2	AP	110560291	24383204	330.81	365748053	0.4426	0.0172
RET5.2	DIATOM_C	Winter	AP	204753611	44026712	301.03	616373965	0.3424	0.0020
RET5.2	DIATOM_C	Annual	BP	177571379	36958859	312.20	554382888	0.9704	<0.0001
RET5.2	DIATOM_C	Fall	BP	121679004	23515603	289.89	352734043	0.5888	0.0015
RET5.2	DIATOM_C	SAV1	BP	126293513	43257452	513.77	648861783	0.9771	<0.0001
RET5.2	DIATOM_C	SAV2	BP	378784412	42268869	167.39	634033030	0.7866	<0.0001
RET5.2	DIATOM_C	Spring1	BP	266401906	62931400	354.34	943971006	0.8831	0.0001
RET5.2	DIATOM_C	Spring2	BP	423425502	64716425	229.26	970746381	0.7056	0.0003
RET5.2	DIATOM_C	Summer1	BP	378784412	32230796	127.64	483461940	0.5117	0.0003
RET5.2	DIATOM_C	Summer2	BP	312853360	32119442	154.00	481791624	0.3454	0.0007
RET5.2	DIATOM_C	Winter	BP	140794122	42074331	418.37	589040631	0.9981	0.0042
RET5.2	DINOFLG	Annual	AP	704	0	0.00	0	0.8930	0.7087
RET5.2	DINOFLG	Fall	AP	352	38	161.85	570	0.7577	0.2478
RET5.2	DINOFLG	SAV1	AP	608	0	0.00	0	0.6160	0.8411
RET5.2	DINOFLG	SAV2	AP	72110	0	0.00	0	0.9023	0.3321
RET5.2	DINOFLG	Spring1	AP	0	0	0.00	0	0.3884	0.2581
RET5.2	DINOFLG	Spring2	AP	66740	0	0.00	0	0.6067	0.2085
RET5.2	DINOFLG	Summer1	AP	67890	-26	-0.57	-384	0.9325	0.7119
RET5.2	DINOFLG	Summer2	AP	67890	-25	-0.54	-369	0.8041	0.7675
RET5.2	DINOFLG	Winter	AP	41038	0	0.00	0	0.8733	0.4758
RET5.2	DINOFLG	Annual	BP	3456	0	0.00	0	0.3624	0.3676
RET5.2	DINOFLG	Fall	BP	23680	0	0.00	0	0.5417	0.5518
RET5.2	DINOFLG	SAV1	BP	512	0	0.00	0	0.1045	0.9527
RET5.2	DINOFLG	SAV2	BP	42759	0	0.00	0	0.1507	0.4879
RET5.2	DINOFLG	Spring1	BP	0	0	0.00	0	0.2407	0.1332
RET5.2	DINOFLG	Spring2	BP	3072	0	0.00	0	0.1219	0.3084
RET5.2	DINOFLG	Summer1	BP	58963	-85	-2.17	-1280	0.7001	0.0697
RET5.2	DINOFLG	Summer2	BP	62538	-256	-6.14	-3840	0.4909	0.1149
RET5.2	DINOFLG	Winter	BP	0	0	0.00	0	0.2053	0.5712
RET5.2	DINOFL_C	Annual	AP	478731	0	0.00	0	0.7716	0.7960
RET5.2	DINOFL_C	Fall	AP	107791	0	0.00	0	0.5871	0.5725
RET5.2	DINOFL_C	SAV1	AP	478731	0	0.00	0	0.3330	0.5751
RET5.2	DINOFL_C	SAV2	AP	1804900	0	0.00	0	0.5494	0.3783
RET5.2	DINOFL_C	Spring1	AP	0	0	0.00	0	0.2462	0.1101
RET5.2	DINOFL_C	Spring2	AP	3404385	-963	-0.42	-14449	0.5274	0.0807
RET5.2	DINOFL_C	Summer1	AP	1804900	6890	5.73	103353	0.7515	0.7292

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET5.2	DINOFL_C	Summer2	AP	1804900	19948	16.58	299227	0.6378	0.5545
RET5.2	DINOFL_C	Winter	AP	866712	0	0.00	0	0.9590	0.8999
RET5.2	DINOFL_C	Annual	BP	1103547	0	0.00	0	0.6380	0.6683
RET5.2	DINOFL_C	Fall	BP	1103547	0	0.00	0	0.8736	0.8077
RET5.2	DINOFL_C	SAV1	BP	560100	0	0.00	0	0.3826	0.9685
RET5.2	DINOFL_C	SAV2	BP	2371816	0	0.00	0	0.5023	0.7092
RET5.2	DINOFL_C	Spring1	BP	0	0	0.00	0	0.3207	0.3542
RET5.2	DINOFL_C	Spring2	BP	700709	0	0.00	0	0.2697	0.4925
RET5.2	DINOFL_C	Summer1	BP	2371816	-730	-0.46	-10944	0.7755	0.2390
RET5.2	DINOFL_C	Summer2	BP	3934292	-12260	-4.67	-183901	0.5764	0.2893
RET5.2	DINOFL_C	Winter	BP	0	0	0.00	0	0.0743	0.9355
RET5.2	CYANO	Annual	AP	714837	156692	328.80	2350380	0.3642	0.0020
RET5.2	CYANO	Fall	AP	3976070	-46137	-17.41	-692050	0.9271	0.7159
RET5.2	CYANO	SAV1	AP	575624	112929	294.28	1693933	0.6170	0.0516
RET5.2	CYANO	SAV2	AP	860356	352133	613.93	5281995	0.3143	0.0016
RET5.2	CYANO	Spring1	AP	171021	114953	1008.24	1724299	0.5671	0.0390
RET5.2	CYANO	Spring2	AP	450714	470596	1566.17	7058944	0.9196	0.0026
RET5.2	CYANO	Summer1	AP	1889711	778320	617.81	11674800	0.2068	0.0062
RET5.2	CYANO	Summer2	AP	1889711	597334	474.15	8960010	0.1475	0.0506
RET5.2	CYANO	Winter	AP	169771	155347	1281.06	2174862	0.2445	0.0780
RET5.2	CYANO	Annual	BP	1121790	169987	227.30	2549807	0.7260	<0.0001
RET5.2	CYANO	Fall	BP	2047665	136440	99.95	2046599	0.8903	0.1316
RET5.2	CYANO	SAV1	BP	383239	185727	726.94	2785905	0.8145	0.0004
RET5.2	CYANO	SAV2	BP	1155226	248690	322.91	3730346	0.4800	0.0023
RET5.2	CYANO	Spring1	BP	219409	123644	845.30	1854660	0.5702	0.0011
RET5.2	CYANO	Spring2	BP	525761	205901	587.44	3088514	0.4654	0.0022
RET5.2	CYANO	Summer1	BP	2196192	274432	187.44	4116480	0.6939	0.2595
RET5.2	CYANO	Summer2	BP	2196192	250585	171.15	3758776	0.5083	0.4065
RET5.2	CYANO	Winter	BP	204655	186820	1278.00	2615482	0.8868	0.0026
RET5.2	CYANO_C	Annual	AP	4360018	582331	200.34	8734962	0.2292	0.0135
RET5.2	CYANO_C	Fall	AP	10056386	-98884	-14.75	-1483262	0.8077	0.7949
RET5.2	CYANO_C	SAV1	AP	3674886	332939	135.90	4994084	0.6488	0.2814
RET5.2	CYANO_C	SAV2	AP	3817001	1736752	682.51	26051285	0.3522	0.0018
RET5.2	CYANO_C	Spring1	AP	1724405	247072	214.92	3706077	0.3433	0.4574
RET5.2	CYANO_C	Spring2	AP	1724405	1008266	877.06	15123992	0.4088	0.0168
RET5.2	CYANO_C	Summer1	AP	6226410	4267304	1028.03	64009556	0.1679	0.0022
RET5.2	CYANO_C	Summer2	AP	6226410	4142027	997.85	62130402	0.1294	0.0301
RET5.2	CYANO_C	Winter	AP	2906459	362196	174.46	5070742	0.2327	0.2401
RET5.2	CYANO_C	Annual	BP	6057043	761031	188.47	11415467	0.3150	0.0001
RET5.2	CYANO_C	Fall	BP	11158946	612667	82.36	9190009	0.8143	0.2318
RET5.2	CYANO_C	SAV1	BP	2230778	1117791	751.62	16766869	0.4559	0.0002
RET5.2	CYANO_C	SAV2	BP	6057043	1085382	268.79	16280736	0.1518	0.0023
RET5.2	CYANO_C	Spring1	BP	1262804	1212607	1440.37	18189109	0.2283	0.0003
RET5.2	CYANO_C	Spring2	BP	2072903	1460054	1056.53	21900814	0.3365	0.0003
RET5.2	CYANO_C	Summer1	BP	13653746	571622	62.80	8574323	0.5796	0.4756
RET5.2	CYANO_C	Summer2	BP	20456521	242622	17.79	3639333	0.4611	0.7684
RET5.2	CYANO_C	Winter	BP	778924	679363	1221.05	9511078	0.6068	0.0033
RET5.2	CHLORO	Annual	AP	94516	77152	1224.43	1157278	0.0473	<0.0001
RET5.2	CHLORO	Fall	AP	479962	-4690	-14.66	-70347	0.5654	0.7159
RET5.2	CHLORO	SAV1	AP	50816	81695	2411.48	1225420	0.1245	<0.0001
RET5.2	CHLORO	SAV2	AP	94516	125027	1984.23	1875409	0.3517	<0.0001
RET5.2	CHLORO	Spring1	AP	20188	164573	12228.00	2468589	0.9893	<0.0001
RET5.2	CHLORO	Spring2	AP	43456	199776	6895.90	2996647	0.6721	<0.0001
RET5.2	CHLORO	Summer1	AP	132346	135109	1531.33	2026640	0.6028	0.0010
RET5.2	CHLORO	Summer2	AP	132346	118407	1342.03	1776111	0.4039	0.0058
RET5.2	CHLORO	Winter	AP	76156	117052	2151.80	1638728	0.3151	0.0006

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET5.2	CHLORO	Annual	BP	210739	82257	585.49	1233860	0.3378	<0.0001
RET5.2	CHLORO	Fall	BP	240938	31368	195.28	470515	0.3993	0.1014
RET5.2	CHLORO	SAV1	BP	97805	96541	1480.62	1448115	0.6530	<0.0001
RET5.2	CHLORO	SAV2	BP	210739	102643	730.59	1539648	0.2068	<0.0001
RET5.2	CHLORO	Spring1	BP	39360	144342	5500.84	2165132	0.7715	<0.0001
RET5.2	CHLORO	Spring2	BP	188006	154182	1230.14	2312734	0.9499	<0.0001
RET5.2	CHLORO	Summer1	BP	581248	105740	272.88	1586100	0.2239	0.0026
RET5.2	CHLORO	Summer2	BP	673498	75116	167.30	1126742	0.4796	0.0818
RET5.2	CHLORO	Winter	BP	221626	75643	477.83	1058999	0.6440	0.0010
RET5.2	CHLORO_C	Annual	AP	1762185	6090727	5184.52	91360898	0.3066	<0.0001
RET5.2	CHLORO_C	Fall	AP	5587342	178331	47.88	2674960	0.7694	0.4055
RET5.2	CHLORO_C	SAV1	AP	680289	5736780	12649.29	86051697	0.2727	<0.0001
RET5.2	CHLORO_C	SAV2	AP	2237319	7689761	5155.56	115346414	0.8771	<0.0001
RET5.2	CHLORO_C	Spring1	AP	184240	13756421	111998.81	206346310	0.6216	<0.0001
RET5.2	CHLORO_C	Spring2	AP	772357	10656900	20696.85	159853497	0.9448	0.0001
RET5.2	CHLORO_C	Summer1	AP	4827291	11036517	3429.41	165547758	0.9992	<0.0001
RET5.2	CHLORO_C	Summer2	AP	4827291	9978382	3100.62	149675730	0.9916	0.0002
RET5.2	CHLORO_C	Winter	AP	1745436	14047445	11267.34	196664226	0.3656	0.0001
RET5.2	CHLORO_C	Annual	BP	3430752	7978756	3488.49	119681346	0.6331	<0.0001
RET5.2	CHLORO_C	Fall	BP	3540098	2462350	1043.34	36935248	0.5333	0.0010
RET5.2	CHLORO_C	SAV1	BP	1064276	9331578	13152.00	139973668	0.9188	<0.0001
RET5.2	CHLORO_C	SAV2	BP	4427815	5288617	1791.61	79329260	0.5485	<0.0001
RET5.2	CHLORO_C	Spring1	BP	516782	14332129	41600.11	214981935	0.9004	<0.0001
RET5.2	CHLORO_C	Spring2	BP	1217062	10707040	13196.17	160605601	0.9296	<0.0001
RET5.2	CHLORO_C	Summer1	BP	9192079	6354335	1036.93	95315021	0.3760	0.0014
RET5.2	CHLORO_C	Summer2	BP	10077631	3183500	473.85	47752507	0.4810	0.0344
RET5.2	CHLORO_C	Winter	BP	2437861	15344265	8811.81	214819703	0.6123	<0.0001
RET5.2	CRYPTO	Annual	AP	541136	71838	199.13	1077567	0.4561	<0.0001
RET5.2	CRYPTO	Fall	AP	541136	30143	83.55	452138	0.3078	0.3233
RET5.2	CRYPTO	SAV1	AP	461312	65504	212.99	982560	0.1530	0.0019
RET5.2	CRYPTO	SAV2	AP	656796	83547	190.81	1253205	0.6361	0.0001
RET5.2	CRYPTO	Spring1	AP	450316	98830	329.20	1482444	0.5453	0.0003
RET5.2	CRYPTO	Spring2	AP	656796	124545	284.44	1868174	0.6868	0.0004
RET5.2	CRYPTO	Summer1	AP	640335	66125	154.90	991872	0.3356	0.0147
RET5.2	CRYPTO	Summer2	AP	680268	40170	88.57	602543	0.5586	0.1805
RET5.2	CRYPTO	Winter	AP	151432	82437	762.14	1154115	0.9625	0.0474
RET5.2	CRYPTO	Annual	BP	380415	66802	263.40	1002030	0.8711	<0.0001
RET5.2	CRYPTO	Fall	BP	459212	43597	142.41	653952	0.6721	0.0613
RET5.2	CRYPTO	SAV1	BP	456341	66886	219.86	1003291	0.6036	0.0002
RET5.2	CRYPTO	SAV2	BP	609639	75844	186.61	1137663	0.6315	<0.0001
RET5.2	CRYPTO	Spring1	BP	232281	95967	619.72	1439502	0.8644	0.0001
RET5.2	CRYPTO	Spring2	BP	530842	87568	247.44	1313519	0.6542	0.0042
RET5.2	CRYPTO	Summer1	BP	564020	80923	215.21	1213849	0.4853	0.0015
RET5.2	CRYPTO	Summer2	BP	671847	88445	197.47	1326673	0.4138	0.0016
RET5.2	CRYPTO	Winter	BP	153289	66184	604.46	926572	0.6696	0.0780
RET5.2	CRYPTO_C	Annual	AP	12992675	1724826	199.13	25872396	0.4561	<0.0001
RET5.2	CRYPTO_C	Fall	AP	12992675	723722	83.55	10855827	0.3078	0.3233
RET5.2	CRYPTO_C	SAV1	AP	11060385	1572751	213.30	23591266	0.1530	0.0019
RET5.2	CRYPTO_C	SAV2	AP	15769672	2005963	190.81	30089452	0.6361	0.0001
RET5.2	CRYPTO_C	Spring1	AP	10812087	2372898	329.20	35593470	0.5453	0.0003
RET5.2	CRYPTO_C	Spring2	AP	15769672	2990323	284.44	44854851	0.6868	0.0004
RET5.2	CRYPTO_C	Summer1	AP	15374431	1587657	154.90	23814859	0.3356	0.0147
RET5.2	CRYPTO_C	Summer2	AP	16333235	964470	88.57	14467046	0.5586	0.1805
RET5.2	CRYPTO_C	Winter	AP	3635870	1979306	762.14	27710289	0.9625	0.0474
RET5.2	CRYPTO_C	Annual	BP	9133752	1603916	263.40	24058740	0.8711	<0.0001
RET5.2	CRYPTO_C	Fall	BP	11025668	1046758	142.41	15701377	0.6721	0.0613

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET5.2	CRYPTO_C	SAV1	BP	10956747	1605935	219.86	24089021	0.6036	0.0002
RET5.2	CRYPTO_C	SAV2	BP	14637420	1821019	186.61	27315289	0.6315	<0.0001
RET5.2	CRYPTO_C	Spring1	BP	5577067	2304163	619.72	34562448	0.8644	0.0001
RET5.2	CRYPTO_C	Spring2	BP	12745504	2102506	247.44	31537588	0.6542	0.0042
RET5.2	CRYPTO_C	Summer1	BP	13542108	1942968	215.21	29144519	0.4853	0.0015
RET5.2	CRYPTO_C	Summer2	BP	16131034	2123561	197.47	31853422	0.4138	0.0016
RET5.2	CRYPTO_C	Winter	BP	3680457	1589071	604.46	22246996	0.6696	0.0780
RET5.2	PROCARY	Annual	AP	0.14	0.01	107.14	0.15	0.4980	0.0299
RET5.2	PROCARY	Fall	AP	0.24	-0.01	-62.50	-0.15	0.9813	0.6032
RET5.2	PROCARY	SAV1	AP	0.14	0.01	107.14	0.15	0.3495	0.0472
RET5.2	PROCARY	SAV2	AP	0.19	0.01	78.95	0.15	0.3596	0.0137
RET5.2	PROCARY	Spring1	AP	0.02	0.01	750.00	0.15	0.3072	0.0297
RET5.2	PROCARY	Spring2	AP	0.02	0.01	750.00	0.15	0.5700	0.0168
RET5.2	PROCARY	Summer1	AP	0.27	0.03	166.67	0.45	0.3033	0.1231
RET5.2	PROCARY	Summer2	AP	0.27	0.03	166.67	0.45	0.1664	0.1409
RET5.2	PROCARY	Winter	AP	0.08	0.01	175.00	0.14	0.4115	0.2120
RET5.2	PROCARY	Annual	BP	0.13	0.01	115.38	0.15	0.4381	0.0182
RET5.2	PROCARY	Fall	BP	0.22	0.01	68.18	0.15	0.6703	0.5674
RET5.2	PROCARY	SAV1	BP	0.07	0.01	214.29	0.15	0.6496	0.0222
RET5.2	PROCARY	SAV2	BP	0.14	0.01	107.14	0.15	0.3156	0.1430
RET5.2	PROCARY	Spring1	BP	0.04	0.01	375.00	0.15	0.8687	0.0064
RET5.2	PROCARY	Spring2	BP	0.06	0.01	250.00	0.15	0.6437	0.0168
RET5.2	PROCARY	Summer1	BP	0.21	-0.01	-71.43	-0.15	0.6305	0.7300
RET5.2	PROCARY	Summer2	BP	0.21	-0.02	-142.86	-0.30	0.6598	0.4375
RET5.2	PROCARY	Winter	BP	0.07	0.01	200.00	0.14	0.5913	0.0125
RET5.2	PROCAR_C	Annual	AP	0.02	0.00	0.00	0.00	0.4486	0.7242
RET5.2	PROCAR_C	Fall	AP	0.05	0.00	0.00	0.00	0.9919	0.3494
RET5.2	PROCAR_C	SAV1	AP	0.02	0.00	0.00	0.00	0.8821	0.3166
RET5.2	PROCAR_C	SAV2	AP	0.02	0.00	0.00	0.00	0.2721	0.5696
RET5.2	PROCAR_C	Spring1	AP	0.01	0.00	0.00	0.00	0.4192	0.5633
RET5.2	PROCAR_C	Spring2	AP	0.01	0.00	0.00	0.00	0.9973	0.7949
RET5.2	PROCAR_C	Summer1	AP	0.03	0.00	0.00	0.00	0.0730	0.3945
RET5.2	PROCAR_C	Summer2	AP	0.05	0.00	0.00	0.00	0.0317	0.3769
RET5.2	PROCAR_C	Winter	AP	0.02	0.00	0.00	0.00	0.5480	0.8257
RET5.2	PROCAR_C	Annual	BP	0.01	0.00	0.00	0.00	0.2756	0.6252
RET5.2	PROCAR_C	Fall	BP	0.04	0.00	0.00	0.00	0.5270	1.0000
RET5.2	PROCAR_C	SAV1	BP	0.01	0.00	0.00	0.00	0.4925	0.2338
RET5.2	PROCAR_C	SAV2	BP	0.01	0.00	0.00	0.00	0.1375	0.6173
RET5.2	PROCAR_C	Spring1	BP	0.00	0.00	0.00	0.00	0.2345	0.1958
RET5.2	PROCAR_C	Spring2	BP	0.00	0.00	0.00	0.00	0.3649	0.1765
RET5.2	PROCAR_C	Summer1	BP	0.04	0.00	0.00	0.00	0.2521	0.2405
RET5.2	PROCAR_C	Summer2	BP	0.09	0.00	0.00	0.00	0.1336	0.2496
RET5.2	PROCAR_C	Winter	BP	0.01	0.00	0.00	0.00	0.4615	0.1420
RET5.2	EUGLENO	Annual	AP	0	0	0.00	0	0.6611	0.2525
RET5.2	EUGLENO	Fall	AP	0	0	0.00	0	0.0770	0.5570
RET5.2	EUGLENO	SAV1	AP	0	0	0.00	0	0.5934	0.8037
RET5.2	EUGLENO	SAV2	AP	0	0	0.00	0	0.9836	0.2065
RET5.2	EUGLENO	Spring1	AP	0	0	0.00	0	0.8764	0.8018
RET5.2	EUGLENO	Spring2	AP	0	0	0.00	0	0.8246	0.3309
RET5.2	EUGLENO	Summer1	AP	0	0	0.00	0	0.8769	0.1892
RET5.2	EUGLENO	Summer2	AP	0	0	0.00	0	0.7865	0.3494
RET5.2	EUGLENO	Winter	AP	0	0	0.00	0	0.7595	0.1073
RET5.2	EUGLENO	Annual	BP	0	0	0.00	0	0.9495	0.0108
RET5.2	EUGLENO	Fall	BP	0	0	0.00	0	0.6320	0.1228
RET5.2	EUGLENO	SAV1	BP	0	0	0.00	0	0.8500	0.0202
RET5.2	EUGLENO	SAV2	BP	0	0	0.00	0	0.8912	0.0269

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET5.2	EUGLENO	Spring1	BP	0	0	0.00	0	0.6952	0.1591
RET5.2	EUGLENO	Spring2	BP	0	0	0.00	0	0.7279	0.1336
RET5.2	EUGLENO	Summer1	BP	0	0	0.00	0	0.6543	0.1349
RET5.2	EUGLENO	Summer2	BP	0	0	0.00	0	0.4454	0.1809
RET5.2	EUGLENO	Winter	BP	0	0	0.00	0	0.3872	0.6079
RET5.2	EUGLEN_C	Annual	AP	0	0	0.00	0	0.6788	0.2318
RET5.2	EUGLEN_C	Fall	AP	0	0	0.00	0	0.0935	0.6048
RET5.2	EUGLEN_C	SAV1	AP	0	0	0.00	0	0.6150	0.9101
RET5.2	EUGLEN_C	SAV2	AP	0	0	0.00	0	0.9686	0.1995
RET5.2	EUGLEN_C	Spring1	AP	0	0	0.00	0	0.8569	0.7469
RET5.2	EUGLEN_C	Spring2	AP	0	0	0.00	0	0.7984	0.2686
RET5.2	EUGLEN_C	Summer1	AP	0	0	0.00	0	0.7919	0.1983
RET5.2	EUGLEN_C	Summer2	AP	0	0	0.00	0	0.7126	0.3966
RET5.2	EUGLEN_C	Winter	AP	0	0	0.00	0	0.7595	0.1073
RET5.2	EUGLEN_C	Annual	BP	0	0	0.00	0	0.9518	0.0186
RET5.2	EUGLEN_C	Fall	BP	0	0	0.00	0	0.6065	0.1346
RET5.2	EUGLEN_C	SAV1	BP	0	0	0.00	0	0.8422	0.0390
RET5.2	EUGLEN_C	SAV2	BP	0	0	0.00	0	0.9052	0.0461
RET5.2	EUGLEN_C	Spring1	BP	0	0	0.00	0	0.6941	0.2488
RET5.2	EUGLEN_C	Spring2	BP	0	0	0.00	0	0.6997	0.2252
RET5.2	EUGLEN_C	Summer1	BP	0	0	0.00	0	0.7029	0.1429
RET5.2	EUGLEN_C	Summer2	BP	0	0	0.00	0	0.4946	0.1920
RET5.2	EUGLEN_C	Winter	BP	0	0	0.00	0	0.3628	0.6510
RET5.2	PICO	Annual	AP	90500000	-2069500	-27.44	-24834000	0.3752	<0.0001
RET5.2	PICO	Fall	AP	55150000	-3512425	-76.43	-42149100	0.9375	0.0002
RET5.2	PICO	SAV1	AP	90500000	-2270600	-30.11	-27247200	0.2469	0.0078
RET5.2	PICO	SAV2	AP	281600000	-3674600	-15.66	-44095200	0.2925	0.0341
RET5.2	PICO	Spring1	AP	21200000	-140000	-7.92	-1680000	0.3787	0.8645
RET5.2	PICO	Spring2	AP	98400000	-460200	-5.61	-5522400	0.3880	0.7515
RET5.2	PICO	Summer1	AP	455000000	-14987273	-39.53	-179847276	0.3495	0.0316
RET5.2	PICO	Summer2	AP	430000000	-14898286	-41.58	-178779432	0.2008	0.0761
RET5.2	PICO	Winter	AP	20700000	-801444	-46.46	-9617333	0.8317	0.0117
RET5.2	PICO	Annual	BP	80600000	-2031891	-30.25	-24382693	0.5193	0.0007
RET5.2	PICO	Fall	BP	58550000	-3425750	-70.21	-41109000	0.9422	0.0015
RET5.2	PICO	SAV1	BP	80600000	-1544000	-22.99	-18528000	0.1786	0.1092
RET5.2	PICO	SAV2	BP	241000000	-3197100	-15.92	-38365200	0.3052	0.0615
RET5.2	PICO	Spring1	BP	24400000	544775	26.79	6537300	0.5418	0.4180
RET5.2	PICO	Spring2	BP	98500000	-126917	-1.55	-1523000	0.0965	0.9369
RET5.2	PICO	Summer1	BP	444000000	-14058500	-38.00	-168702000	0.8965	0.0158
RET5.2	PICO	Summer2	BP	408000000	-13714286	-40.34	-164571432	0.9289	0.0761
RET5.2	PICO	Winter	BP	32650000	-798422	-29.34	-9581069	0.7972	0.1107
RET5.2	PICO_C	Annual	AP	135750000	-3104250	-27.44	-37251000	0.3752	<0.0001
RET5.2	PICO_C	Fall	AP	82725000	-5268638	-76.43	-63223650	0.9375	0.0002
RET5.2	PICO_C	SAV1	AP	135750000	-3405900	-30.11	-40870800	0.2469	0.0078
RET5.2	PICO_C	SAV2	AP	422400000	-5511900	-15.66	-66142800	0.2925	0.0341
RET5.2	PICO_C	Spring1	AP	31800000	-210000	-7.92	-2520000	0.3787	0.8645
RET5.2	PICO_C	Spring2	AP	147600000	-690300	-5.61	-8283600	0.3880	0.7515
RET5.2	PICO_C	Summer1	AP	682500000	-22480909	-39.53	-269770908	0.3495	0.0316
RET5.2	PICO_C	Summer2	AP	645000000	-22347429	-41.58	-268169148	0.2008	0.0761
RET5.2	PICO_C	Winter	AP	31050000	-1202167	-46.46	-14426000	0.8317	0.0117
RET5.2	PICO_C	Annual	BP	120900000	-3047837	-30.25	-36574040	0.5193	0.0007
RET5.2	PICO_C	Fall	BP	87825000	-5138625	-70.21	-61663500	0.9422	0.0015
RET5.2	PICO_C	SAV1	BP	120900000	-2316000	-22.99	-27792000	0.1786	0.1092
RET5.2	PICO_C	SAV2	BP	361500000	-4795650	-15.92	-57547800	0.3052	0.0615
RET5.2	PICO_C	Spring1	BP	36600000	817163	26.79	9805950	0.5418	0.4180
RET5.2	PICO_C	Spring2	BP	147750000	-190375	-1.55	-2284500	0.0965	0.9369

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET5.2	PICO_C	Summer1	BP	666000000	-21087750	-38.00	-253053000	0.8965	0.0158
RET5.2	PICO_C	Summer2	BP	612000000	-20571429	-40.34	-246857148	0.9289	0.0761
RET5.2	PICO_C	Winter	BP	48975000	-1197634	-29.34	-14371603	0.7972	0.1107
RET5.2	N_SP	Annual	AP	28.50	0.08	4.21	1.20	0.3006	0.5673
RET5.2	N_SP	Fall	AP	33.00	-0.45	-20.45	-6.75	0.6649	0.0761
RET5.2	N_SP	SAV1	AP	26.00	0.20	11.54	3.00	0.5489	0.3828
RET5.2	N_SP	SAV2	AP	27.00	0.21	11.67	3.15	0.6702	0.2683
RET5.2	N_SP	Spring1	AP	24.00	0.29	18.13	4.35	0.8457	0.2572
RET5.2	N_SP	Spring2	AP	24.00	0.33	20.63	4.95	0.8904	0.2403
RET5.2	N_SP	Summer1	AP	31.50	0.25	11.90	3.75	0.4924	0.3321
RET5.2	N_SP	Summer2	AP	31.50	0.25	11.90	3.75	0.3022	0.3611
RET5.2	N_SP	Winter	AP	29.50	0.41	19.46	5.74	0.0562	0.3200
RET5.2	N_SP	Annual	BP	27.50	0.17	9.27	2.55	0.0649	0.2760
RET5.2	N_SP	Fall	BP	25.00	-0.15	-9.00	-2.25	0.0296	0.5484
RET5.2	N_SP	SAV1	BP	23.50	0.38	24.26	5.70	0.3991	0.0555
RET5.2	N_SP	SAV2	BP	28.50	0.00	0.00	0.00	0.4304	0.8223
RET5.2	N_SP	Spring1	BP	22.00	0.50	34.09	7.50	0.3713	0.0774
RET5.2	N_SP	Spring2	BP	26.50	0.38	21.51	5.70	0.4382	0.1928
RET5.2	N_SP	Summer1	BP	32.50	0.00	0.00	0.00	0.4736	0.8536
RET5.2	N_SP	Summer2	BP	34.00	-0.20	-8.82	-3.00	0.4140	0.5548
RET5.2	N_SP	Winter	BP	21.50	0.50	32.56	7.00	0.1883	0.0824
RET5.2	N_GENERA	Annual	AP	24.00	0.21	13.13	3.15	0.4189	0.0576
RET5.2	N_GENERA	Fall	AP	26.00	-0.15	-8.65	-2.25	0.8939	0.2803
RET5.2	N_GENERA	SAV1	AP	22.00	0.29	19.77	4.35	0.4629	0.1101
RET5.2	N_GENERA	SAV2	AP	24.00	0.38	23.75	5.70	0.5638	0.0361
RET5.2	N_GENERA	Spring1	AP	20.50	0.40	29.27	6.00	0.6892	0.0720
RET5.2	N_GENERA	Spring2	AP	20.50	0.50	36.59	7.50	0.7722	0.0447
RET5.2	N_GENERA	Summer1	AP	25.50	0.40	23.53	6.00	0.4703	0.0792
RET5.2	N_GENERA	Summer2	AP	25.50	0.40	23.53	6.00	0.2893	0.1540
RET5.2	N_GENERA	Winter	AP	25.50	0.35	19.22	4.90	0.1286	0.1503
RET5.2	N_GENERA	Annual	BP	22.00	0.33	22.50	4.95	0.1464	0.0045
RET5.2	N_GENERA	Fall	BP	21.50	0.12	8.37	1.80	0.0476	0.6195
RET5.2	N_GENERA	SAV1	BP	20.50	0.50	36.59	7.50	0.6671	0.0013
RET5.2	N_GENERA	SAV2	BP	25.50	0.25	14.71	3.75	0.5527	0.1110
RET5.2	N_GENERA	Spring1	BP	19.50	0.50	38.46	7.50	0.4650	0.0138
RET5.2	N_GENERA	Spring2	BP	20.50	0.40	29.27	6.00	0.5667	0.0473
RET5.2	N_GENERA	Summer1	BP	27.00	0.11	6.11	1.65	0.4311	0.4446
RET5.2	N_GENERA	Summer2	BP	28.00	0.00	0.00	0.00	0.3441	0.7874
RET5.2	N_GENERA	Winter	BP	20.00	0.50	35.00	7.00	0.4033	0.0131
RET5.2	SHANNON	Annual	AP	2.67	0.03	16.85	0.45	0.1719	0.0010
RET5.2	SHANNON	Fall	AP	2.65	0.03	16.98	0.45	0.5385	0.1937
RET5.2	SHANNON	SAV1	AP	2.58	0.04	23.26	0.60	0.4739	0.0030
RET5.2	SHANNON	SAV2	AP	2.63	0.04	22.81	0.60	0.2387	0.0005
RET5.2	SHANNON	Spring1	AP	2.40	0.05	31.25	0.75	0.1404	0.0224
RET5.2	SHANNON	Spring2	AP	2.37	0.06	37.97	0.90	0.3365	0.0003
RET5.2	SHANNON	Summer1	AP	2.87	0.03	15.68	0.45	0.1714	0.0505
RET5.2	SHANNON	Summer2	AP	2.87	0.01	5.23	0.15	0.5192	0.4697
RET5.2	SHANNON	Winter	AP	2.96	0.03	14.19	0.42	0.0364	0.3783
RET5.2	SHANNON	Annual	BP	2.57	0.04	23.35	0.60	0.5469	<0.0001
RET5.2	SHANNON	Fall	BP	2.64	0.02	11.36	0.30	0.2540	0.2749
RET5.2	SHANNON	SAV1	BP	2.25	0.06	40.00	0.90	0.6756	0.0001
RET5.2	SHANNON	SAV2	BP	2.61	0.04	22.99	0.60	0.4968	0.0013
RET5.2	SHANNON	Spring1	BP	1.72	0.09	78.49	1.35	0.9667	0.0007
RET5.2	SHANNON	Spring2	BP	2.10	0.07	50.00	1.05	0.9681	0.0006
RET5.2	SHANNON	Summer1	BP	2.69	0.03	16.73	0.45	0.4544	0.0227
RET5.2	SHANNON	Summer2	BP	2.76	0.02	10.87	0.30	0.4475	0.1409

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET5.2	SHANNON	Winter	BP	2.85	0.06	29.47	0.84	0.3818	0.0066
RET5.2	EVENNESS	Annual	AP	0.56	0.01	26.79	0.15	0.5843	0.0066
RET5.2	EVENNESS	Fall	AP	0.55	0.01	27.27	0.15	0.6703	0.0482
RET5.2	EVENNESS	SAV1	AP	0.56	0.01	26.79	0.15	0.5148	0.0298
RET5.2	EVENNESS	SAV2	AP	0.56	0.01	26.79	0.15	0.3965	0.0102
RET5.2	EVENNESS	Spring1	AP	0.55	0.01	27.27	0.15	0.2474	0.1044
RET5.2	EVENNESS	Spring2	AP	0.57	0.01	26.32	0.15	0.4966	0.0059
RET5.2	EVENNESS	Summer1	AP	0.58	0.00	0.00	0.00	0.3607	0.2794
RET5.2	EVENNESS	Summer2	AP	0.58	0.00	0.00	0.00	0.8363	0.9360
RET5.2	EVENNESS	Winter	AP	0.61	0.00	0.00	0.00	0.1959	0.5087
RET5.2	EVENNESS	Annual	BP	0.53	0.01	28.30	0.15	0.9946	<0.0001
RET5.2	EVENNESS	Fall	BP	0.57	0.00	0.00	0.00	0.6560	0.0862
RET5.2	EVENNESS	SAV1	BP	0.49	0.01	30.61	0.15	0.8586	0.0012
RET5.2	EVENNESS	SAV2	BP	0.51	0.01	29.41	0.15	0.8929	0.0006
RET5.2	EVENNESS	Spring1	BP	0.44	0.02	68.18	0.30	0.8121	0.0032
RET5.2	EVENNESS	Spring2	BP	0.50	0.01	30.00	0.15	0.9448	0.0018
RET5.2	EVENNESS	Summer1	BP	0.53	0.01	28.30	0.15	0.9452	0.0138
RET5.2	EVENNESS	Summer2	BP	0.54	0.01	27.78	0.15	0.8834	0.0506
RET5.2	EVENNESS	Winter	BP	0.65	0.01	21.54	0.14	0.5925	0.0664
LE5.5	TOTABUND	Annual	AP	4689301	101325	34.57	1621194	0.0158	0.0593
LE5.5	TOTABUND	Fall	AP	1604150	234814	234.21	3757028	0.9323	0.0001
LE5.5	TOTABUND	SAV1	AP	2340189	112025	76.59	1792403	0.0020	0.1226
LE5.5	TOTABUND	SAV2	AP	4872912	122539	40.24	1960617	0.1727	0.0657
LE5.5	TOTABUND	Spring1	AP	5260271	-164800	-46.99	-2471995	0.0381	0.1604
LE5.5	TOTABUND	Spring2	AP	5260271	28151	8.03	422258	0.0958	0.8353
LE5.5	TOTABUND	Summer1	AP	5767192	144234	40.01	2307739	0.8641	0.1652
LE5.5	TOTABUND	Summer2	AP	5763937	159746	44.34	2555942	0.6916	0.2344
LE5.5	TOTABUND	Winter	AP	12005032	-113141	-14.14	-1697116	0.8409	0.4843
LE5.5	TOTABUND	Annual	BP	4108135	168797	65.74	2700749	0.4406	0.0012
LE5.5	TOTABUND	Fall	BP	1377526	90141	104.70	1442249	0.9407	0.0457
LE5.5	TOTABUND	SAV1	BP	3510708	168490	76.79	2695834	0.8161	0.0206
LE5.5	TOTABUND	SAV2	BP	4214005	248355	94.30	3973679	0.7066	0.0003
LE5.5	TOTABUND	Spring1	BP	9074184	109254	18.06	1638816	0.7570	0.3768
LE5.5	TOTABUND	Spring2	BP	6150965	225278	54.94	3379175	0.7152	0.0482
LE5.5	TOTABUND	Summer1	BP	4214005	354012	134.41	5664200	0.4909	0.0006
LE5.5	TOTABUND	Summer2	BP	3862357	345950	143.31	5535196	0.3001	0.0032
LE5.5	TOTABUND	Winter	BP	15874180	-148920	-14.07	-2233801	0.5909	0.4437
LE5.5	TOTBMASS	Annual	AP	189269406	7096071	59.99	113537142	0.0035	0.0370
LE5.5	TOTBMASS	Fall	AP	70513231	15287389	346.88	244598221	0.0915	0.0058
LE5.5	TOTBMASS	SAV1	AP	122424885	-438858	-5.74	-7021723	0.0687	0.8332
LE5.5	TOTBMASS	SAV2	AP	211086270	8050691	61.02	128811054	0.1604	0.0527
LE5.5	TOTBMASS	Spring1	AP	256947587	-8454842	-49.36	-126822627	0.1081	0.1316
LE5.5	TOTBMASS	Spring2	AP	222263682	7871180	53.12	118067697	0.0937	0.2121
LE5.5	TOTBMASS	Summer1	AP	211086270	16550303	125.45	264804843	0.1778	0.0081
LE5.5	TOTBMASS	Summer2	AP	265463666	10334922	62.29	165358746	0.1651	0.0784
LE5.5	TOTBMASS	Winter	AP	327801302	-1740304	-7.96	-26104566	0.9415	0.5713
LE5.5	TOTBMASS	Annual	BP	216201058	13598475	100.64	217575594	0.0532	0.0001
LE5.5	TOTBMASS	Fall	BP	64837925	18055031	445.54	288880498	0.5344	0.0001
LE5.5	TOTBMASS	SAV1	BP	148731409	9593355	103.20	153493680	0.3156	0.0296
LE5.5	TOTBMASS	SAV2	BP	254064313	15252143	96.05	244034283	0.5505	0.0003
LE5.5	TOTBMASS	Spring1	BP	481929470	358356	1.12	5375344	0.5061	1.0000
LE5.5	TOTBMASS	Spring2	BP	325482215	16238376	74.84	243575641	0.4257	0.0962
LE5.5	TOTBMASS	Summer1	BP	254064313	18859357	118.77	301749712	0.4970	0.0004
LE5.5	TOTBMASS	Summer2	BP	258844395	15445201	95.47	247123211	0.3112	0.0027
LE5.5	TOTBMASS	Winter	BP	694252165	-10485218	-22.65	-157278270	0.5474	0.4843
LE5.5	RATIO	Annual	AP	38.39	0.80	33.34	12.80	0.3591	0.0370

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
LE5.5	RATIO	Fall	AP	36.84	1.49	64.71	23.84	0.0661	0.1058
LE5.5	RATIO	SAV1	AP	43.14	-0.07	-2.60	-1.12	0.7951	0.9440
LE5.5	RATIO	SAV2	AP	51.55	0.53	16.45	8.48	0.2989	0.3491
LE5.5	RATIO	Spring1	AP	43.14	0.08	2.78	1.20	0.7388	0.9585
LE5.5	RATIO	Spring2	AP	43.14	1.21	42.07	18.15	0.1574	0.1604
LE5.5	RATIO	Summer1	AP	48.44	0.81	26.75	12.96	0.2067	0.1300
LE5.5	RATIO	Summer2	AP	49.99	0.45	14.40	7.20	0.4242	0.6008
LE5.5	RATIO	Winter	AP	28.79	1.22	63.56	18.30	0.9419	0.4051
LE5.5	RATIO	Annual	BP	50.96	0.86	27.00	13.76	0.0699	0.0782
LE5.5	RATIO	Fall	BP	46.05	1.78	61.85	28.48	0.2366	0.0408
LE5.5	RATIO	SAV1	BP	47.07	-0.13	-4.42	-2.08	0.4336	0.7789
LE5.5	RATIO	SAV2	BP	55.37	0.33	9.54	5.28	0.0383	0.4775
LE5.5	RATIO	Spring1	BP	53.41	-1.21	-33.98	-18.15	0.5700	0.2527
LE5.5	RATIO	Spring2	BP	53.41	0.34	9.55	5.10	0.0032	0.6032
LE5.5	RATIO	Summer1	BP	61.54	1.18	30.68	18.88	0.0734	0.0435
LE5.5	RATIO	Summer2	BP	66.28	0.46	11.10	7.36	0.4540	0.5055
LE5.5	RATIO	Winter	BP	49.43	0.10	3.03	1.50	0.4394	0.9204
LE5.5	MARGALEF	Annual	AP	2.46	0.01	6.50	0.16	0.3391	0.2257
LE5.5	MARGALEF	Fall	AP	2.65	0.02	12.08	0.32	0.0712	0.1678
LE5.5	MARGALEF	SAV1	AP	2.45	0.01	6.53	0.16	0.3602	0.2614
LE5.5	MARGALEF	SAV2	AP	2.65	0.00	0.00	0.00	0.5485	0.8464
LE5.5	MARGALEF	Spring1	AP	2.20	0.03	20.45	0.45	0.7820	0.1070
LE5.5	MARGALEF	Spring2	AP	2.45	0.01	6.12	0.15	0.3709	0.6775
LE5.5	MARGALEF	Summer1	AP	2.65	0.00	0.00	0.00	0.5015	0.9330
LE5.5	MARGALEF	Summer2	AP	2.37	0.00	0.00	0.00	0.4892	0.6008
LE5.5	MARGALEF	Winter	AP	2.01	-0.02	-14.93	-0.30	0.6817	0.3686
LE5.5	MARGALEF	Annual	BP	2.43	0.02	13.17	0.32	0.6461	0.0129
LE5.5	MARGALEF	Fall	BP	2.20	0.05	36.36	0.80	0.6418	0.0032
LE5.5	MARGALEF	SAV1	BP	2.42	0.01	6.61	0.16	0.4876	0.3088
LE5.5	MARGALEF	SAV2	BP	2.40	0.01	6.67	0.16	0.5845	0.1966
LE5.5	MARGALEF	Spring1	BP	2.85	-0.01	-5.26	-0.15	0.6282	0.7159
LE5.5	MARGALEF	Spring2	BP	2.77	0.00	0.00	0.00	0.6000	0.7551
LE5.5	MARGALEF	Summer1	BP	2.40	0.01	6.67	0.16	0.9065	0.2389
LE5.5	MARGALEF	Summer2	BP	2.40	0.02	13.33	0.32	0.7832	0.2536
LE5.5	MARGALEF	Winter	BP	2.57	0.03	17.51	0.45	0.3748	0.2718
LE5.5	DIATOM	Annual	AP	2962583	86613	46.78	1385801	0.0042	0.0024
LE5.5	DIATOM	Fall	AP	483144	149361	494.63	2389784	0.9579	<0.0001
LE5.5	DIATOM	SAV1	AP	1031494	92229	143.06	1475670	0.0012	0.0352
LE5.5	DIATOM	SAV2	AP	3134568	108224	55.24	1731580	0.1631	0.0074
LE5.5	DIATOM	Spring1	AP	3847543	-102083	-39.80	-1531245	0.1058	0.1604
LE5.5	DIATOM	Spring2	AP	3847543	9214	3.59	138213	0.1832	0.9172
LE5.5	DIATOM	Summer1	AP	3760045	190282	80.97	3044509	0.7903	0.0116
LE5.5	DIATOM	Summer2	AP	3447307	211612	98.22	3385790	0.7155	0.0134
LE5.5	DIATOM	Winter	AP	11399944	-72606	-9.55	-1089094	0.2229	0.7141
LE5.5	DIATOM	Annual	BP	3411687	87957	41.25	1407317	0.3123	0.0112
LE5.5	DIATOM	Fall	BP	731542	79440	173.75	1271035	0.4993	0.0254
LE5.5	DIATOM	SAV1	BP	2737626	76643	44.79	1226293	0.4339	0.1065
LE5.5	DIATOM	SAV2	BP	3456593	143706	66.52	2299294	0.5523	0.0155
LE5.5	DIATOM	Spring1	BP	7937543	-30235	-5.71	-453531	0.9000	0.8761
LE5.5	DIATOM	Spring2	BP	4649731	118660	38.28	1779902	0.4542	0.2985
LE5.5	DIATOM	Summer1	BP	3456593	219701	101.70	3515218	0.5630	0.0037
LE5.5	DIATOM	Summer2	BP	3097110	213504	110.30	3416056	0.3662	0.0153
LE5.5	DIATOM	Winter	BP	13694388	-154390	-16.91	-2315843	0.4209	0.4437
LE5.5	DIATOM_C	Annual	AP	105338729	7500127	113.92	120002030	0.0064	0.0007
LE5.5	DIATOM_C	Fall	AP	21357641	14303455	1071.54	228855275	0.4073	<0.0001
LE5.5	DIATOM_C	SAV1	AP	91444314	4350702	76.12	69611239	0.0249	0.1065

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
LE5.5	DIATOM_C	SAV2	AP	117515737	7806280	106.28	124900481	0.4454	0.0022
LE5.5	DIATOM_C	Spring1	AP	207463750	-8108719	-58.63	-121630784	0.1992	0.2749
LE5.5	DIATOM_C	Spring2	AP	165781620	4534418	41.03	68016266	0.2513	0.2527
LE5.5	DIATOM_C	Summer1	AP	117515737	11426925	155.58	182830792	0.5866	0.0014
LE5.5	DIATOM_C	Summer2	AP	161207862	9577444	95.06	153239099	0.4018	0.0089
LE5.5	DIATOM_C	Winter	AP	265431410	-4117772	-23.27	-61766579	0.7817	0.6174
LE5.5	DIATOM_C	Annual	BP	173908168	10157762	93.45	162524184	0.0849	0.0002
LE5.5	DIATOM_C	Fall	BP	46016459	16942216	589.08	271075448	0.7921	0.0001
LE5.5	DIATOM_C	SAV1	BP	115718161	6587788	91.09	105404605	0.2528	0.0206
LE5.5	DIATOM_C	SAV2	BP	204955992	10811176	84.40	172978821	0.4624	0.0009
LE5.5	DIATOM_C	Spring1	BP	438641368	-293279	-1.00	-4399190	0.5936	0.9585
LE5.5	DIATOM_C	Spring2	BP	273662526	9586874	52.55	143803108	0.3365	0.1316
LE5.5	DIATOM_C	Summer1	BP	204955992	14814902	115.65	237038424	0.4314	0.0025
LE5.5	DIATOM_C	Summer2	BP	216854123	14020503	103.45	224328051	0.2901	0.0174
LE5.5	DIATOM_C	Winter	BP	532622327	-7500078	-21.12	-112501176	0.7333	0.5713
LE5.5	DINOFLG	Annual	AP	94013	554	9.43	8866	0.2866	0.6620
LE5.5	DINOFLG	Fall	AP	43635	1965	72.04	31434	0.5271	0.2954
LE5.5	DINOFLG	SAV1	AP	75582	-17	-0.35	-264	0.0541	0.9720
LE5.5	DINOFLG	SAV2	AP	97171	482	7.94	7716	0.0808	0.8212
LE5.5	DINOFLG	Spring1	AP	288154	78	0.41	1173	0.1008	1.0000
LE5.5	DINOFLG	Spring2	AP	187269	78	0.63	1173	0.1008	1.0000
LE5.5	DINOFLG	Summer1	AP	97171	-730	-12.01	-11675	0.1893	0.8334
LE5.5	DINOFLG	Summer2	AP	89261	-1489	-26.69	-23821	0.1200	0.6008
LE5.5	DINOFLG	Winter	AP	257869	138	0.80	2063	0.2158	0.9734
LE5.5	DINOFLG	Annual	BP	54295	7248	213.60	115972	0.6567	<0.0001
LE5.5	DINOFLG	Fall	BP	15168	5110	539.07	81765	0.9977	0.0005
LE5.5	DINOFLG	SAV1	BP	38106	8074	338.99	129177	0.6587	<0.0001
LE5.5	DINOFLG	SAV2	BP	42169	8646	328.06	138339	0.5308	<0.0001
LE5.5	DINOFLG	Spring1	BP	75239	17035	339.63	255532	0.1970	0.0007
LE5.5	DINOFLG	Spring2	BP	75239	18529	369.41	277942	0.2815	0.0001
LE5.5	DINOFLG	Summer1	BP	42169	7094	269.17	113504	0.5240	0.0004
LE5.5	DINOFLG	Summer2	BP	40138	5098	203.21	81565	0.3964	0.0050
LE5.5	DINOFLG	Winter	BP	297050	4522	22.84	67835	0.6356	0.4051
LE5.5	DINOFL_C	Annual	AP	21005500	550787	41.95	8812584	0.2911	0.2999
LE5.5	DINOFL_C	Fall	AP	10128515	426378	67.35	6822041	0.9197	0.5055
LE5.5	DINOFL_C	SAV1	AP	18734908	-96006	-8.20	-1536102	0.1957	0.8060
LE5.5	DINOFL_C	SAV2	AP	23817149	109380	7.35	1750074	0.2283	0.8972
LE5.5	DINOFL_C	Spring1	AP	24951988	318324	19.14	4774858	0.0651	0.8761
LE5.5	DINOFL_C	Spring2	AP	23817149	-86231	-5.43	-1293458	0.0808	0.9585
LE5.5	DINOFL_C	Summer1	AP	45543289	345889	12.15	5534223	0.3677	0.7050
LE5.5	DINOFL_C	Summer2	AP	49279262	109380	3.55	1750074	0.2152	0.8491
LE5.5	DINOFL_C	Winter	AP	54004759	1596168	44.33	23942526	0.0592	0.3019
LE5.5	DINOFL_C	Annual	BP	16975014	1533443	144.54	24535086	0.7278	<0.0001
LE5.5	DINOFL_C	Fall	BP	2388102	1100889	737.58	17614223	0.8139	0.0001
LE5.5	DINOFL_C	SAV1	BP	16799949	1145890	109.13	18334247	0.5579	0.0003
LE5.5	DINOFL_C	SAV2	BP	17150080	1402309	130.83	22436936	0.6486	0.0004
LE5.5	DINOFL_C	Spring1	BP	17150080	3789525	331.44	56842880	0.5130	0.0059
LE5.5	DINOFL_C	Spring2	BP	16799949	3045750	271.94	45686256	0.5061	0.0050
LE5.5	DINOFL_C	Summer1	BP	18356736	1353737	117.99	21659798	0.4653	0.0207
LE5.5	DINOFL_C	Summer2	BP	22862237	876389	61.33	14022224	0.3629	0.0960
LE5.5	DINOFL_C	Winter	BP	116100352	1515021	19.57	22725320	0.9515	0.4051
LE5.5	CYANO	Annual	AP	1856	3136	2703.45	50176	0.8882	<0.0001
LE5.5	CYANO	Fall	AP	0	5084	0.00	81338	0.3206	0.0006
LE5.5	CYANO	SAV1	AP	5236	4808	1469.35	76928	0.8207	0.0060
LE5.5	CYANO	SAV2	AP	12701	1705	214.74	27273	0.9449	0.0051
LE5.5	CYANO	Spring1	AP	3584	5077	2124.89	76156	0.4929	0.1383

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
LE5.5	CYANO	Spring2	AP	3584	2490	1042.18	37352	0.4798	0.1175
LE5.5	CYANO	Summer1	AP	16588	205	19.82	3287	0.9960	0.0152
LE5.5	CYANO	Summer2	AP	18272	1382	121.02	22113	0.9739	0.0319
LE5.5	CYANO	Winter	AP	32	3266	153112.50	48996	0.8693	0.1011
LE5.5	CYANO	Annual	BP	1791	2792	2494.34	44674	0.9705	<0.0001
LE5.5	CYANO	Fall	BP	1663	183	175.75	2923	0.5606	0.0480
LE5.5	CYANO	SAV1	BP	3326	3380	1625.76	54073	0.8320	0.0011
LE5.5	CYANO	SAV2	BP	8295	3828	738.34	61242	0.9388	0.0001
LE5.5	CYANO	Spring1	BP	256	9023	52868.44	135343	0.7736	0.0056
LE5.5	CYANO	Spring2	BP	8295	8108	1466.21	121615	0.7150	0.0071
LE5.5	CYANO	Summer1	BP	25402	1547	97.44	24751	0.8833	0.0255
LE5.5	CYANO	Summer2	BP	17066	1417	132.84	22671	0.7410	0.0408
LE5.5	CYANO	Winter	BP	0	2739	0.00	41088	0.6343	0.0047
LE5.5	CYANO_C	Annual	AP	5526	12510	3622.40	200156	0.8641	<0.0001
LE5.5	CYANO_C	Fall	AP	0	34287	0.00	548590	0.2941	0.0007
LE5.5	CYANO_C	SAV1	AP	29935	22198	1186.46	355164	0.9108	0.0186
LE5.5	CYANO_C	SAV2	AP	29935	5618	300.28	89889	0.9646	0.0136
LE5.5	CYANO_C	Spring1	AP	79161	30270	573.58	454048	0.7586	0.2217
LE5.5	CYANO_C	Spring2	AP	79161	6223	117.92	93349	0.8670	0.3229
LE5.5	CYANO_C	Summer1	AP	29935	4397	235.00	70347	0.9076	0.0195
LE5.5	CYANO_C	Summer2	AP	37860	7589	320.73	121430	0.8446	0.0247
LE5.5	CYANO_C	Winter	AP	232	8823	56966.94	132346	0.9621	0.2157
LE5.5	CYANO_C	Annual	BP	6415	16102	4015.97	257630	0.9776	<0.0001
LE5.5	CYANO_C	Fall	BP	2495	2220	1423.98	35521	0.5196	0.0263
LE5.5	CYANO_C	SAV1	BP	7841	25256	5153.52	404102	0.9126	0.0017
LE5.5	CYANO_C	SAV2	BP	66356	21619	521.28	345897	0.9350	0.0002
LE5.5	CYANO_C	Spring1	BP	7841	110021	21046.51	1650316	0.9567	0.0122
LE5.5	CYANO_C	Spring2	BP	254061	63708	376.14	955621	0.9477	0.0130
LE5.5	CYANO_C	Summer1	BP	101565	12112	190.81	193791	0.7349	0.0172
LE5.5	CYANO_C	Summer2	BP	83960	5932	113.05	94918	0.5285	0.0385
LE5.5	CYANO_C	Winter	BP	0	8151	0.00	122266	0.6869	0.0058
LE5.5	CHLORO	Annual	AP	32	3363	168137.00	53804	0.6517	<0.0001
LE5.5	CHLORO	Fall	AP	32	76	3778.00	1209	0.9991	0.0241
LE5.5	CHLORO	SAV1	AP	0	3556	0.00	56901	0.5381	<0.0001
LE5.5	CHLORO	SAV2	AP	0	3446	0.00	55130	0.9243	<0.0001
LE5.5	CHLORO	Spring1	AP	25402	10010	591.13	150156	0.1785	0.0005
LE5.5	CHLORO	Spring2	AP	4147	8658	3131.52	129864	0.4715	0.0048
LE5.5	CHLORO	Summer1	AP	0	4699	0.00	75176	0.9156	0.0006
LE5.5	CHLORO	Summer2	AP	0	2614	0.00	41822	0.8439	0.0054
LE5.5	CHLORO	Winter	AP	256	2212	12958.01	33173	0.1879	0.4195
LE5.5	CHLORO	Annual	BP	16212	2509	247.64	40148	0.8348	<0.0001
LE5.5	CHLORO	Fall	BP	64	562	14039.50	8985	0.4178	0.1275
LE5.5	CHLORO	SAV1	BP	20736	3610	278.52	57753	0.7066	0.0006
LE5.5	CHLORO	SAV2	BP	15835	5725	578.50	91605	0.9024	<0.0001
LE5.5	CHLORO	Spring1	BP	33824	6460	286.47	96896	0.5829	0.0172
LE5.5	CHLORO	Spring2	BP	16589	9325	843.15	139871	0.9624	0.0013
LE5.5	CHLORO	Summer1	BP	128	5269	65865.00	84307	0.5487	0.0003
LE5.5	CHLORO	Summer2	BP	7918	4941	998.42	79050	0.3550	0.0024
LE5.5	CHLORO	Winter	BP	24884	723	43.59	10848	0.8482	0.0638
LE5.5	CHLORO_C	Annual	AP	207	88284	682255.26	1412541	0.7192	<0.0001
LE5.5	CHLORO_C	Fall	AP	207	3849	29742.58	61579	0.9969	0.0257
LE5.5	CHLORO_C	SAV1	AP	0	75657	0.00	1210515	0.3645	0.0001
LE5.5	CHLORO_C	SAV2	AP	0	73166	0.00	1170656	0.9193	0.0001
LE5.5	CHLORO_C	Spring1	AP	571534	211292	554.54	3169383	0.0835	0.0014
LE5.5	CHLORO_C	Spring2	AP	93308	208728	3355.48	3130913	0.4420	0.0232
LE5.5	CHLORO_C	Summer1	AP	0	89131	0.00	1426100	0.9811	0.0007

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
LE5.5	CHLORO_C	Summer2	AP	0	66523	0.00	1064363	0.9230	0.0040
LE5.5	CHLORO_C	Winter	AP	5619	148994	39772.85	2234916	0.1339	0.0289
LE5.5	CHLORO_C	Annual	BP	364770	52720	231.25	843516	0.8195	<0.0001
LE5.5	CHLORO_C	Fall	BP	2396	0	0.00	0	0.6546	0.2190
LE5.5	CHLORO_C	SAV1	BP	466560	91203	312.77	1459246	0.6919	0.0005
LE5.5	CHLORO_C	SAV2	BP	356288	152795	686.17	2444725	0.9014	<0.0001
LE5.5	CHLORO_C	Spring1	BP	784378	180136	344.48	2702037	0.4540	0.0070
LE5.5	CHLORO_C	Spring2	BP	373253	280969	1129.14	4214539	0.9765	0.0003
LE5.5	CHLORO_C	Summer1	BP	6232	139829	35897.80	2237266	0.5953	0.0002
LE5.5	CHLORO_C	Summer2	BP	178144	123323	1107.63	1973171	0.4039	0.0022
LE5.5	CHLORO_C	Winter	BP	559879	18388	49.27	275825	0.7932	0.0546
LE5.5	CRYPTO	Annual	AP	893876	-4717	-8.44	-75476	0.0539	0.3684
LE5.5	CRYPTO	Fall	AP	801821	4277	8.53	68430	0.6798	0.7934
LE5.5	CRYPTO	SAV1	AP	889625	-7382	-13.28	-118107	0.0262	0.4093
LE5.5	CRYPTO	SAV2	AP	1200951	-17684	-23.56	-282951	0.0617	0.0611
LE5.5	CRYPTO	Spring1	AP	889625	-2543	-4.29	-38141	0.0331	0.9172
LE5.5	CRYPTO	Spring2	AP	898127	6816	11.38	102243	0.0608	0.7159
LE5.5	CRYPTO	Summer1	AP	1293667	-39875	-49.32	-637994	0.5223	0.0063
LE5.5	CRYPTO	Summer2	AP	1385551	-55012	-63.53	-880189	0.7010	0.0032
LE5.5	CRYPTO	Winter	AP	346804	19712	85.26	295680	0.9310	0.0894
LE5.5	CRYPTO	Annual	BP	557305	21533	61.82	344528	0.8813	<0.0001
LE5.5	CRYPTO	Fall	BP	363565	19050	83.84	304796	0.3556	0.1058
LE5.5	CRYPTO	SAV1	BP	407480	29686	116.56	474972	0.8514	0.0008
LE5.5	CRYPTO	SAV2	BP	407480	26689	104.80	427026	0.8612	0.0002
LE5.5	CRYPTO	Spring1	BP	1078272	34700	48.27	520500	0.6098	0.0193
LE5.5	CRYPTO	Spring2	BP	881273	51211	87.17	768162	0.8903	0.0007
LE5.5	CRYPTO	Summer1	BP	407480	21975	86.29	351605	0.6279	0.0032
LE5.5	CRYPTO	Summer2	BP	352859	15493	70.25	247884	0.6776	0.0364
LE5.5	CRYPTO	Winter	BP	1277340	9536	11.20	143040	0.9060	0.3019
LE5.5	CRYPTO_C	Annual	AP	21461963	-91276	-6.80	-1460423	0.0577	0.4096
LE5.5	CRYPTO_C	Fall	AP	19251722	102688	8.53	1643004	0.7926	0.7569
LE5.5	CRYPTO_C	SAV1	AP	21359896	-178786	-13.39	-2860571	0.0304	0.3706
LE5.5	CRYPTO_C	SAV2	AP	28834822	-414771	-23.02	-6636340	0.0580	0.0706
LE5.5	CRYPTO_C	Spring1	AP	21359896	-48852	-3.43	-732778	0.0331	0.9172
LE5.5	CRYPTO_C	Spring2	AP	21564029	216435	15.06	3246520	0.0656	0.6399
LE5.5	CRYPTO_C	Summer1	AP	31060945	-966067	-49.76	-15457079	0.4469	0.0081
LE5.5	CRYPTO_C	Summer2	AP	33267068	-1320834	-63.53	-21133339	0.7010	0.0032
LE5.5	CRYPTO_C	Winter	AP	8326752	473285	85.26	7099277	0.9310	0.0894
LE5.5	CRYPTO_C	Annual	BP	13381509	518808	62.03	8300929	0.8541	0.0001
LE5.5	CRYPTO_C	Fall	BP	8427761	458839	87.11	7341430	0.3556	0.1058
LE5.5	CRYPTO_C	SAV1	BP	9783595	712755	116.56	11404087	0.8514	0.0008
LE5.5	CRYPTO_C	SAV2	BP	9783595	640805	104.80	10252883	0.7977	0.0002
LE5.5	CRYPTO_C	Spring1	BP	25889299	871396	50.49	13070946	0.6098	0.0193
LE5.5	CRYPTO_C	Spring2	BP	21159365	1229571	87.17	18443572	0.8903	0.0007
LE5.5	CRYPTO_C	Summer1	BP	9783595	527627	86.29	8442028	0.5164	0.0048
LE5.5	CRYPTO_C	Summer2	BP	8472145	371981	70.25	5951700	0.5566	0.0512
LE5.5	CRYPTO_C	Winter	BP	30668933	228959	11.20	3434390	0.9060	0.3019
LE5.5	PROCARY	Annual	AP	0.00	0.00	0.00	0.00	0.9737	<0.0001
LE5.5	PROCARY	Fall	AP	0.00	0.00	0.00	0.00	0.3422	0.0006
LE5.5	PROCARY	SAV1	AP	0.00	0.00	0.00	0.00	0.9972	0.0010
LE5.5	PROCARY	SAV2	AP	0.00	0.00	0.00	0.00	0.9994	0.0011
LE5.5	PROCARY	Spring1	AP	0.00	0.00	0.00	0.00	0.9793	0.0180
LE5.5	PROCARY	Spring2	AP	0.00	0.00	0.00	0.00	0.9168	0.0289
LE5.5	PROCARY	Summer1	AP	0.00	0.00	0.00	0.00	0.9809	0.0173
LE5.5	PROCARY	Summer2	AP	0.01	0.00	0.00	0.00	0.9528	0.0281
LE5.5	PROCARY	Winter	AP	0.00	0.00	0.00	0.00	0.9667	0.1701

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
LE5.5	PROCARY	Annual	BP	0.00	0.00	0.00	0.00	0.9757	<0.0001
LE5.5	PROCARY	Fall	BP	0.00	0.00	0.00	0.00	0.5165	0.0317
LE5.5	PROCARY	SAV1	BP	0.00	0.00	0.00	0.00	0.8434	0.0050
LE5.5	PROCARY	SAV2	BP	0.00	0.00	0.00	0.00	0.9526	0.0003
LE5.5	PROCARY	Spring1	BP	0.00	0.00	0.00	0.00	0.8807	0.0216
LE5.5	PROCARY	Spring2	BP	0.00	0.00	0.00	0.00	0.8701	0.0229
LE5.5	PROCARY	Summer1	BP	0.00	0.00	0.00	0.00	0.8374	0.0217
LE5.5	PROCARY	Summer2	BP	0.00	0.00	0.00	0.00	0.6636	0.0385
LE5.5	PROCARY	Winter	BP	0.00	0.00	0.00	0.00	0.6541	0.0043
LE5.5	PROCAR_C	Annual	AP	0.00	0.00	0.00	0.00	0.9365	0.0001
LE5.5	PROCAR_C	Fall	AP	0.00	0.00	0.00	0.00	0.3382	0.0046
LE5.5	PROCAR_C	SAV1	AP	0.00	0.00	0.00	0.00	0.9395	0.0204
LE5.5	PROCAR_C	SAV2	AP	0.00	0.00	0.00	0.00	0.9941	0.0354
LE5.5	PROCAR_C	Spring1	AP	0.00	0.00	0.00	0.00	0.7140	0.0649
LE5.5	PROCAR_C	Spring2	AP	0.00	0.00	0.00	0.00	0.9559	0.2524
LE5.5	PROCAR_C	Summer1	AP	0.00	0.00	0.00	0.00	0.8861	0.0928
LE5.5	PROCAR_C	Summer2	AP	0.00	0.00	0.00	0.00	0.7874	0.0996
LE5.5	PROCAR_C	Winter	AP	0.00	0.00	0.00	0.00	0.6526	0.2157
LE5.5	PROCAR_C	Annual	BP	0.00	0.00	0.00	0.00	0.9594	0.0001
LE5.5	PROCAR_C	Fall	BP	0.00	0.00	0.00	0.00	0.4621	0.1302
LE5.5	PROCAR_C	SAV1	BP	0.00	0.00	0.00	0.00	0.8682	0.0129
LE5.5	PROCAR_C	SAV2	BP	0.00	0.00	0.00	0.00	0.9569	0.0035
LE5.5	PROCAR_C	Spring1	BP	0.00	0.00	0.00	0.00	0.8557	0.0533
LE5.5	PROCAR_C	Spring2	BP	0.00	0.00	0.00	0.00	0.8274	0.0711
LE5.5	PROCAR_C	Summer1	BP	0.00	0.00	0.00	0.00	0.9155	0.0741
LE5.5	PROCAR_C	Summer2	BP	0.00	0.00	0.00	0.00	0.7760	0.1123
LE5.5	PROCAR_C	Winter	BP	0.00	0.00	0.00	0.00	0.6601	0.0065
LE5.5	COCCO	Annual	AP	0	0	0.00	0	0.5941	0.9027
LE5.5	COCCO	Fall	AP	0	0	0.00	0	0.0362	0.5009
LE5.5	COCCO	SAV1	AP	0	0	0.00	0	0.3195	0.5580
LE5.5	COCCO	SAV2	AP	0	0	0.00	0	0.4756	0.3342
LE5.5	COCCO	Spring1	AP	0	0	0.00	0	0.4964	0.5796
LE5.5	COCCO	Spring2	AP	0	0	0.00	0	0.3132	0.8646
LE5.5	COCCO	Summer1	AP	0	0	0.00	0	0.9940	0.8076
LE5.5	COCCO	Summer2	AP	0	0	0.00	0	0.9940	0.8076
LE5.5	COCCO	Winter	AP	0	0	0.00	0	0.9865	0.8939
LE5.5	COCCO	Annual	BP	0	0	0.00	0	0.7019	0.0204
LE5.5	COCCO	Fall	BP	0	0	0.00	0	0.4984	0.1085
LE5.5	COCCO	SAV1	BP	0	0	0.00	0	0.7941	0.1835
LE5.5	COCCO	SAV2	BP	0	0	0.00	0	0.4133	0.1587
LE5.5	COCCO	Spring1	BP	0	0	0.00	0	0.6544	0.4334
LE5.5	COCCO	Spring2	BP	0	0	0.00	0	0.6132	0.8117
LE5.5	COCCO	Summer1	BP	0	0	0.00	0	0.2038	0.1417
LE5.5	COCCO	Summer2	BP	64	0	0.00	0	0.2391	0.0502
LE5.5	COCCO	Winter	BP	0	0	0.00	0		0.4477
LE5.5	COCCO_C	Annual	AP	0	0	0.00	0	0.5941	0.9027
LE5.5	COCCO_C	Fall	AP	0	0	0.00	0	0.0362	0.5009
LE5.5	COCCO_C	SAV1	AP	0	0	0.00	0	0.3195	0.5580
LE5.5	COCCO_C	SAV2	AP	0	0	0.00	0	0.4756	0.3342
LE5.5	COCCO_C	Spring1	AP	0	0	0.00	0	0.4964	0.5796
LE5.5	COCCO_C	Spring2	AP	0	0	0.00	0	0.3132	0.8646
LE5.5	COCCO_C	Summer1	AP	0	0	0.00	0	0.9940	0.8076
LE5.5	COCCO_C	Summer2	AP	0	0	0.00	0	0.9940	0.8076
LE5.5	COCCO_C	Winter	AP	0	0	0.00	0	0.9865	0.8939
LE5.5	COCCO_C	Annual	BP	0	0	0.00	0	0.6848	0.0192
LE5.5	COCCO_C	Fall	BP	0	0	0.00	0	0.4984	0.1085

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
LE5.5	COCCO_C	SAV1	BP	0	0	0.00	0	0.7941	0.1835
LE5.5	COCCO_C	SAV2	BP	0	0	0.00	0	0.3907	0.1511
LE5.5	COCCO_C	Spring1	BP	0	0	0.00	0	0.6544	0.4334
LE5.5	COCCO_C	Spring2	BP	0	0	0.00	0	0.6132	0.8117
LE5.5	COCCO_C	Summer1	BP	0	0	0.00	0	0.1895	0.1341
LE5.5	COCCO_C	Summer2	BP	9747	0	0.00	0	0.2235	0.0465
LE5.5	COCCO_C	Winter	BP	0	0	0.00	0		0.4477
LE5.5	EUGLENO	Annual	BP	0	0	0.00	0	0.6959	0.5353
LE5.5	EUGLENO	Fall	BP	0	0	0.00	0	0.2015	0.6443
LE5.5	EUGLENO	SAV1	BP	0	0	0.00	0	0.8475	0.4972
LE5.5	EUGLENO	SAV2	BP	2443	0	0.00	0	0.8138	0.9721
LE5.5	EUGLENO	Spring1	BP	8807	0	0.00	0	0.9896	0.3601
LE5.5	EUGLENO	Spring2	BP	8807	0	0.00	0	0.6282	0.8729
LE5.5	EUGLENO	Summer1	BP	2268	0	0.00	0	0.9257	0.3654
LE5.5	EUGLENO	Summer2	BP	1221	0	0.00	0	0.8212	0.5173
LE5.5	EUGLENO	Winter	BP	0	0	0.00	0	0.1834	0.3988
LE5.5	EUGLEN_C	Annual	BP	0	0	0.00	0	0.7392	0.7571
LE5.5	EUGLEN_C	Fall	BP	0	0	0.00	0	0.3638	0.7663
LE5.5	EUGLEN_C	SAV1	BP	0	0	0.00	0	0.8267	0.4144
LE5.5	EUGLEN_C	SAV2	BP	147729	0	0.00	0	0.8102	0.8204
LE5.5	EUGLEN_C	Spring1	BP	853380	0	0.00	0	0.9599	0.2306
LE5.5	EUGLEN_C	Spring2	BP	853380	0	0.00	0	0.6066	0.5762
LE5.5	EUGLEN_C	Summer1	BP	105031	0	0.00	0	0.9355	0.4156
LE5.5	EUGLEN_C	Summer2	BP	174600	0	0.00	0	0.8107	0.5008
LE5.5	EUGLEN_C	Winter	BP	0	0	0.00	0	0.1603	0.4503
LE5.5	PICO	Annual	AP	108800000	-97382	-1.07	-1168587	0.9049	0.5534
LE5.5	PICO	Fall	AP	19000000	455917	28.79	5471000	0.5404	0.4384
LE5.5	PICO	SAV1	AP	108800000	27125	0.30	325500	0.7630	0.9162
LE5.5	PICO	SAV2	AP	224750000	-356929	-1.91	-4283143	0.9140	0.4760
LE5.5	PICO	Spring1	AP	3510000	-163417	-55.87	-1961005	0.9571	0.4285
LE5.5	PICO	Spring2	AP	108800000	-591373	-6.52	-7096480	0.6327	0.2052
LE5.5	PICO	Summer1	AP	886000000	-2607778	-3.53	-31293334	0.5689	0.5836
LE5.5	PICO	Summer2	AP	872500000	2431667	3.34	29180000	0.9589	0.8550
LE5.5	PICO	Winter	AP	8770000	-88299	-12.08	-1059587	0.5820	0.3784
LE5.5	PICO	Annual	BP	59000000	-12723	-0.26	-152680	0.0052	0.9547
LE5.5	PICO	Fall	BP	27750000	175533	7.59	2106400	0.0676	0.8326
LE5.5	PICO	SAV1	BP	59000000	-95857	-1.95	-1150286	0.0074	0.8745
LE5.5	PICO	SAV2	BP	146500000	3248125	26.61	38977500	0.0158	0.0619
LE5.5	PICO	Spring1	BP	23350000	-755119	-38.81	-9061429	0.1806	0.0175
LE5.5	PICO	Spring2	BP	163000000	-1344921	-9.90	-16139048	0.2471	0.1133
LE5.5	PICO	Summer1	BP	262350000	13601300	62.21	163215600	0.2061	0.0171
LE5.5	PICO	Summer2	BP	258500000	22738100	105.55	272857200	0.9741	0.0022
LE5.5	PICO	Winter	BP	10605000	-355800	-40.26	-4269600	0.3117	0.2366
LE5.5	PICO_C	Annual	AP	163200000	-146073	-1.07	-1752880	0.9049	0.5534
LE5.5	PICO_C	Fall	AP	28500000	683875	28.79	8206500	0.5404	0.4384
LE5.5	PICO_C	SAV1	AP	163200000	40688	0.30	488250	0.7630	0.9162
LE5.5	PICO_C	SAV2	AP	337125000	-535393	-1.91	-6424714	0.9140	0.4760
LE5.5	PICO_C	Spring1	AP	5265000	-245126	-55.87	-2941507	0.9571	0.4285
LE5.5	PICO_C	Spring2	AP	163200000	-887060	-6.52	-10644720	0.6327	0.2052
LE5.5	PICO_C	Summer1	AP	1329000000	-3911667	-3.53	-46940000	0.5689	0.5836
LE5.5	PICO_C	Summer2	AP	1308750000	3647500	3.34	43770000	0.9589	0.8550
LE5.5	PICO_C	Winter	AP	13155000	-132448	-12.08	-1589380	0.5820	0.3784
LE5.5	PICO_C	Annual	BP	88500000	-19085	-0.26	-229020	0.0052	0.9547
LE5.5	PICO_C	Fall	BP	41625000	263300	7.59	3159600	0.0676	0.8326
LE5.5	PICO_C	SAV1	BP	88500000	-143786	-1.95	-1725429	0.0074	0.8745
LE5.5	PICO_C	SAV2	BP	219750000	4872188	26.61	58466250	0.0158	0.0619

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
LE5.5	PICO_C	Spring1	BP	35025000	-1132679	-38.81	-13592143	0.1806	0.0175
LE5.5	PICO_C	Spring2	BP	244500000	-2017381	-9.90	-24208572	0.2471	0.1133
LE5.5	PICO_C	Summer1	BP	393525000	20401950	62.21	244823400	0.2061	0.0171
LE5.5	PICO_C	Summer2	BP	387750000	34107150	105.55	409285800	0.9741	0.0022
LE5.5	PICO_C	Winter	BP	15907500	-533700	-40.26	-6404400	0.3117	0.2366
LE5.5	N_SP	Annual	AP	38.00	0.13	5.47	2.08	0.2537	0.2383
LE5.5	N_SP	Fall	AP	39.50	0.44	17.82	7.04	0.0994	0.0448
LE5.5	N_SP	SAV1	AP	36.00	0.20	8.89	3.20	0.4024	0.2048
LE5.5	N_SP	SAV2	AP	42.50	0.00	0.00	0.00	0.7207	0.8967
LE5.5	N_SP	Spring1	AP	34.50	0.37	16.09	5.55	0.6273	0.1593
LE5.5	N_SP	Spring2	AP	39.00	0.11	4.23	1.65	0.3175	0.7149
LE5.5	N_SP	Summer1	AP	42.50	0.00	0.00	0.00	0.6879	0.8490
LE5.5	N_SP	Summer2	AP	38.25	0.00	0.00	0.00	0.6392	0.8483
LE5.5	N_SP	Winter	AP	33.50	-0.25	-11.19	-3.75	0.5760	0.2415
LE5.5	N_SP	Annual	BP	38.25	0.44	18.41	7.04	0.5243	0.0005
LE5.5	N_SP	Fall	BP	32.75	0.91	44.46	14.56	0.7650	0.0004
LE5.5	N_SP	SAV1	BP	35.00	0.38	17.37	6.08	0.4393	0.0881
LE5.5	N_SP	SAV2	BP	38.50	0.40	16.62	6.40	0.4675	0.0198
LE5.5	N_SP	Spring1	BP	45.50	-0.09	-2.97	-1.35	0.7609	0.8350
LE5.5	N_SP	Spring2	BP	45.00	0.08	2.67	1.20	0.4966	0.7946
LE5.5	N_SP	Summer1	BP	38.50	0.50	20.78	8.00	0.6999	0.0193
LE5.5	N_SP	Summer2	BP	38.75	0.54	22.30	8.64	0.5067	0.0318
LE5.5	N_SP	Winter	BP	43.50	0.30	10.34	4.50	0.7251	0.3646
LE5.5	N_GENERA	Annual	AP	31.00	0.20	10.32	3.20	0.1136	0.0749
LE5.5	N_GENERA	Fall	AP	33.75	0.33	15.64	5.28	0.3320	0.0950
LE5.5	N_GENERA	SAV1	AP	30.50	0.28	14.69	4.48	0.4122	0.0427
LE5.5	N_GENERA	SAV2	AP	31.50	0.20	10.16	3.20	0.5144	0.1837
LE5.5	N_GENERA	Spring1	AP	30.00	0.38	19.00	5.70	0.2423	0.0471
LE5.5	N_GENERA	Spring2	AP	30.50	0.21	10.33	3.15	0.1300	0.3204
LE5.5	N_GENERA	Summer1	AP	31.50	0.20	10.16	3.20	0.7299	0.3756
LE5.5	N_GENERA	Summer2	AP	28.75	0.24	13.36	3.84	0.7908	0.2330
LE5.5	N_GENERA	Winter	AP	28.00	-0.40	-21.43	-6.00	0.0785	0.1225
LE5.5	N_GENERA	Annual	BP	31.75	0.25	12.60	4.00	0.5292	0.0058
LE5.5	N_GENERA	Fall	BP	28.75	0.54	30.05	8.64	0.7859	0.0048
LE5.5	N_GENERA	SAV1	BP	29.50	0.20	10.85	3.20	0.6610	0.1988
LE5.5	N_GENERA	SAV2	BP	31.50	0.25	12.70	4.00	0.2519	0.0778
LE5.5	N_GENERA	Spring1	BP	37.50	-0.02	-0.80	-0.30	0.9100	0.8553
LE5.5	N_GENERA	Spring2	BP	37.50	0.00	0.00	0.00	0.7982	0.9792
LE5.5	N_GENERA	Summer1	BP	31.50	0.25	12.70	4.00	0.1848	0.1092
LE5.5	N_GENERA	Summer2	BP	32.00	0.25	12.50	4.00	0.0949	0.1216
LE5.5	N_GENERA	Winter	BP	33.50	0.31	13.88	4.65	0.9303	0.2680
LE5.5	SHANNON	Annual	AP	2.26	0.04	28.32	0.64	0.8608	<0.0001
LE5.5	SHANNON	Fall	AP	2.25	0.05	35.56	0.80	0.9323	<0.0001
LE5.5	SHANNON	SAV1	AP	2.42	0.04	26.45	0.64	0.5915	<0.0001
LE5.5	SHANNON	SAV2	AP	2.36	0.04	27.12	0.64	0.7723	<0.0001
LE5.5	SHANNON	Spring1	AP	2.58	0.05	29.07	0.75	0.9048	0.0036
LE5.5	SHANNON	Spring2	AP	2.58	0.05	29.07	0.75	0.8783	0.0030
LE5.5	SHANNON	Summer1	AP	2.26	0.03	21.24	0.48	0.5975	0.0042
LE5.5	SHANNON	Summer2	AP	2.26	0.03	21.24	0.48	0.5073	0.0323
LE5.5	SHANNON	Winter	AP	1.08	0.04	55.56	0.60	0.6724	0.2438
LE5.5	SHANNON	Annual	BP	2.63	0.05	30.42	0.80	0.5534	<0.0001
LE5.5	SHANNON	Fall	BP	2.44	0.05	32.79	0.80	0.8478	<0.0001
LE5.5	SHANNON	SAV1	BP	2.49	0.04	25.70	0.64	0.4659	0.0007
LE5.5	SHANNON	SAV2	BP	2.65	0.04	24.15	0.64	0.3123	<0.0001
LE5.5	SHANNON	Spring1	BP	2.87	0.04	20.91	0.60	0.9813	0.0145
LE5.5	SHANNON	Spring2	BP	2.87	0.05	26.13	0.75	0.2681	0.0005

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
LE5.5	SHANNON	Summer1	BP	2.65	0.05	30.19	0.80	0.0767	0.0012
LE5.5	SHANNON	Summer2	BP	2.56	0.03	18.75	0.48	0.2109	0.0571
LE5.5	SHANNON	Winter	BP	2.02	0.06	44.55	0.90	0.3105	0.0181
LE5.5	EVENNESS	Annual	AP	0.42	0.01	38.10	0.16	0.9905	<0.0001
LE5.5	EVENNESS	Fall	AP	0.43	0.01	37.21	0.16	0.8672	0.0010
LE5.5	EVENNESS	SAV1	AP	0.44	0.01	36.36	0.16	0.8692	0.0001
LE5.5	EVENNESS	SAV2	AP	0.44	0.01	36.36	0.16	0.8786	<0.0001
LE5.5	EVENNESS	Spring1	AP	0.49	0.01	30.61	0.15	0.8783	0.0050
LE5.5	EVENNESS	Spring2	AP	0.49	0.01	30.61	0.15	0.8209	0.0022
LE5.5	EVENNESS	Summer1	AP	0.42	0.01	38.10	0.16	0.7073	0.0081
LE5.5	EVENNESS	Summer2	AP	0.43	0.00	0.00	0.00	0.7106	0.0571
LE5.5	EVENNESS	Winter	AP	0.21	0.01	71.43	0.15	0.6088	0.1027
LE5.5	EVENNESS	Annual	BP	0.49	0.01	32.65	0.16	0.5952	<0.0001
LE5.5	EVENNESS	Fall	BP	0.49	0.01	32.65	0.16	0.5165	0.0004
LE5.5	EVENNESS	SAV1	BP	0.49	0.01	32.65	0.16	0.1847	0.0002
LE5.5	EVENNESS	SAV2	BP	0.51	0.01	31.37	0.16	0.3910	0.0002
LE5.5	EVENNESS	Spring1	BP	0.52	0.01	28.85	0.15	0.7820	0.0022
LE5.5	EVENNESS	Spring2	BP	0.52	0.01	28.85	0.15	0.7820	0.0003
LE5.5	EVENNESS	Summer1	BP	0.51	0.01	31.37	0.16	0.1599	0.0231
LE5.5	EVENNESS	Summer2	BP	0.48	0.00	0.00	0.00	0.2201	0.1991
LE5.5	EVENNESS	Winter	BP	0.37	0.01	40.54	0.15	0.3515	0.0422
SBE5	TOTABUND	Annual	AP	2747945	184951	80.77	2219410	0.2261	0.0004
SBE5	TOTABUND	Fall	AP	1844323	191103	124.34	2293232	0.7171	0.0004
SBE5	TOTABUND	SAV1	AP	2178641	100447	55.33	1205362	0.1831	0.0411
SBE5	TOTABUND	SAV2	AP	3025092	243690	96.67	2924275	0.1579	0.0012
SBE5	TOTABUND	Spring1	AP	2559356	44551	20.89	534616	0.5764	0.8326
SBE5	TOTABUND	Spring2	AP	2226239	370187	199.54	4442248	0.1005	0.0137
SBE5	TOTABUND	Summer1	AP	4015111	443283	132.48	5319401	0.1007	0.0173
SBE5	TOTABUND	Summer2	AP	4703491	128842	32.87	1546103	0.6088	0.3598
SBE5	TOTABUND	Winter	AP	2747945	148684	64.93	1784208	0.9679	0.4713
SBE5	TOTABUND	Annual	BP	3136272	138656	53.05	1663870	0.7806	0.0142
SBE5	TOTABUND	Fall	BP	2065206	65446	38.03	785352	0.4323	0.2597
SBE5	TOTABUND	SAV1	BP	2539303	72059	34.05	864706	0.7264	0.1351
SBE5	TOTABUND	SAV2	BP	2971285	198606	80.21	2383276	0.6579	0.0037
SBE5	TOTABUND	Spring1	BP	3469005	22869	7.91	274427	0.6303	0.8326
SBE5	TOTABUND	Spring2	BP	2699915	132058	58.69	1584695	0.2580	0.2048
SBE5	TOTABUND	Summer1	BP	3281167	337908	123.58	4054901	0.8315	0.0041
SBE5	TOTABUND	Summer2	BP	3419152	328084	115.15	3937008	0.7171	0.0242
SBE5	TOTABUND	Winter	BP	3804352	98014	30.92	1176163	0.7831	0.8103
SBE5	TOTBMASS	Annual	AP	92297985	5294482	68.84	63533780	0.0047	0.0173
SBE5	TOTBMASS	Fall	AP	44339310	5718639	154.77	68623666	0.1973	0.0015
SBE5	TOTBMASS	SAV1	AP	80041848	1789138	26.82	21469660	0.0047	0.4254
SBE5	TOTBMASS	SAV2	AP	92711003	7822626	101.25	93871515	0.0069	0.0112
SBE5	TOTBMASS	Spring1	AP	107602332	-11174022	-124.61	-134088264	0.8078	0.0486
SBE5	TOTBMASS	Spring2	AP	92711003	6284033	81.34	75408400	0.0023	0.5261
SBE5	TOTBMASS	Summer1	AP	107504802	19154194	213.80	229850328	0.1600	0.0023
SBE5	TOTBMASS	Summer2	AP	129935564	9092217	83.97	109106600	0.4611	0.0909
SBE5	TOTBMASS	Winter	AP	87198346	-967768	-13.32	-11613216	0.6543	0.9617
SBE5	TOTBMASS	Annual	BP	118190613	3088032	31.35	37056387	0.2209	0.2594
SBE5	TOTBMASS	Fall	BP	72609981	1835062	30.33	22020748	0.4259	0.4811
SBE5	TOTBMASS	SAV1	BP	83617384	213753	3.07	2565032	0.3116	0.8421
SBE5	TOTBMASS	SAV2	BP	77277564	7766783	120.61	93201396	0.2116	0.0211
SBE5	TOTBMASS	Spring1	BP	177173803	-7769393	-52.62	-93232711	0.8833	0.1807
SBE5	TOTBMASS	Spring2	BP	118840178	1624593	16.40	19495114	0.1380	0.8326
SBE5	TOTBMASS	Summer1	BP	69136966	16138895	280.12	193666738	0.6754	0.0028
SBE5	TOTBMASS	Summer2	BP	69136966	13168088	228.56	158017055	0.4797	0.0137

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
SBE5	TOTBMASS	Winter	BP	179765345	-12331580	-82.32	-147978960	0.9633	0.4143
SBE5	RATIO	Annual	AP	31.26	0.05	1.92	0.60	0.0275	0.9003
SBE5	RATIO	Fall	AP	26.38	0.22	10.01	2.64	0.0975	0.7781
SBE5	RATIO	SAV1	AP	29.23	-0.10	-4.11	-1.20	0.0086	0.8812
SBE5	RATIO	SAV2	AP	27.20	-0.01	-0.44	-0.12	0.0137	0.9632
SBE5	RATIO	Spring1	AP	42.74	-3.08	-86.48	-36.96	0.5272	0.0112
SBE5	RATIO	Spring2	AP	36.84	-2.47	-80.46	-29.64	0.6892	0.0060
SBE5	RATIO	Summer1	AP	26.77	0.84	37.65	10.08	0.1375	0.0769
SBE5	RATIO	Summer2	AP	24.10	1.17	58.26	14.04	0.6366	0.0091
SBE5	RATIO	Winter	AP	34.89	0.90	30.95	10.80	0.6436	0.5325
SBE5	RATIO	Annual	BP	37.87	-0.59	-18.70	-7.08	0.8828	0.0825
SBE5	RATIO	Fall	BP	33.77	-0.68	-24.16	-8.16	0.9010	0.5261
SBE5	RATIO	SAV1	BP	33.88	-0.57	-20.19	-6.84	0.9095	0.1486
SBE5	RATIO	SAV2	BP	29.90	-0.30	-12.04	-3.60	0.6832	0.3809
SBE5	RATIO	Spring1	BP	44.83	-1.77	-47.38	-21.24	0.7315	0.0909
SBE5	RATIO	Spring2	BP	39.86	-1.51	-45.46	-18.12	0.6858	0.1052
SBE5	RATIO	Summer1	BP	22.26	0.11	5.93	1.32	0.7100	0.8548
SBE5	RATIO	Summer2	BP	20.76	0.17	9.83	2.04	0.5764	0.6725
SBE5	RATIO	Winter	BP	47.25	-2.37	-60.19	-28.44	0.6414	0.0756
SBE5	MARGALEF	Annual	AP	2.38	0.00	0.00	0.00	0.1031	0.9572
SBE5	MARGALEF	Fall	AP	2.01	0.01	5.97	0.12	0.5168	0.4384
SBE5	MARGALEF	SAV1	AP	2.01	0.00	0.00	0.00	0.0617	0.9603
SBE5	MARGALEF	SAV2	AP	1.89	0.00	0.00	0.00	0.0986	0.8900
SBE5	MARGALEF	Spring1	AP	2.78	-0.04	-17.27	-0.48	0.0919	0.1212
SBE5	MARGALEF	Spring2	AP	2.53	-0.04	-18.97	-0.48	0.1458	0.0782
SBE5	MARGALEF	Summer1	AP	1.78	0.02	13.48	0.24	0.5589	0.2001
SBE5	MARGALEF	Summer2	AP	1.65	0.02	14.55	0.24	0.4259	0.1589
SBE5	MARGALEF	Winter	AP	2.71	-0.03	-13.28	-0.36	0.0445	0.4143
SBE5	MARGALEF	Annual	BP	2.28	-0.01	-5.26	-0.12	0.0301	0.6037
SBE5	MARGALEF	Fall	BP	2.20	0.00	0.00	0.00	0.4033	0.8326
SBE5	MARGALEF	SAV1	BP	2.22	-0.02	-10.81	-0.24	0.0359	0.2130
SBE5	MARGALEF	SAV2	BP	1.82	0.02	13.19	0.24	0.1303	0.2131
SBE5	MARGALEF	Spring1	BP	2.84	-0.06	-25.35	-0.72	0.7315	0.0060
SBE5	MARGALEF	Spring2	BP	2.71	-0.03	-13.28	-0.36	0.2935	0.2597
SBE5	MARGALEF	Summer1	BP	1.51	0.05	39.74	0.60	0.8091	0.0104
SBE5	MARGALEF	Summer2	BP	1.51	0.05	39.74	0.60	0.8322	0.0091
SBE5	MARGALEF	Winter	BP	3.06	-0.04	-15.69	-0.48	0.4910	0.0490
SBE5	DIATOM	Annual	AP	1482651	101233	81.93	1214801	0.0346	0.0044
SBE5	DIATOM	Fall	AP	845921	92457	131.16	1109489	0.4453	0.0019
SBE5	DIATOM	SAV1	AP	1168038	25877	26.59	310526	0.0644	0.4856
SBE5	DIATOM	SAV2	AP	1733491	149479	103.48	1793749	0.0195	0.0065
SBE5	DIATOM	Spring1	AP	1824247	-65564	-43.13	-786765	0.8322	0.2311
SBE5	DIATOM	Spring2	AP	1485133	208139	168.18	2497663	0.0080	0.1807
SBE5	DIATOM	Summer1	AP	2686359	323344	144.44	3880134	0.0779	0.0073
SBE5	DIATOM	Summer2	AP	3201910	119728	44.87	1436740	0.4196	0.2311
SBE5	DIATOM	Winter	AP	1252590	143016	137.01	1716195	0.2576	0.4143
SBE5	DIATOM	Annual	BP	1921622	57959	36.19	695513	0.6262	0.1033
SBE5	DIATOM	Fall	BP	1016570	27816	32.84	333794	0.6088	0.4811
SBE5	DIATOM	SAV1	BP	1572527	2122	1.62	25461	0.6364	0.9206
SBE5	DIATOM	SAV2	BP	1661517	96291	69.54	1155491	0.2977	0.0424
SBE5	DIATOM	Spring1	BP	1912656	-78374	-49.17	-940485	0.6961	0.3598
SBE5	DIATOM	Spring2	BP	1315732	3202	2.92	38429	0.1618	0.9438
SBE5	DIATOM	Summer1	BP	2493621	260230	125.23	3122764	0.8387	0.0060
SBE5	DIATOM	Summer2	BP	2725419	245777	108.22	2949320	0.6591	0.0201
SBE5	DIATOM	Winter	BP	2238720	91072	48.82	1092864	0.8501	0.7368
SBE5	DIATOM_C	Annual	AP	46120943	4932046	128.32	59184547	0.0095	0.0004

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
SBE5	DIATOM_C	Fall	AP	19567494	4915716	301.46	58988592	0.1294	0.0002
SBE5	DIATOM_C	SAV1	AP	32011949	2212775	82.95	26553299	0.0054	0.0653
SBE5	DIATOM_C	SAV2	AP	48376307	6631642	164.50	79579699	0.0188	0.0003
SBE5	DIATOM_C	Spring1	AP	68264014	-5998355	-105.44	-71980264	0.6961	0.2311
SBE5	DIATOM_C	Spring2	AP	50992621	5674335	133.53	68092019	0.0073	0.2311
SBE5	DIATOM_C	Summer1	AP	58963285	12613851	256.71	151366213	0.3888	0.0002
SBE5	DIATOM_C	Summer2	AP	68529493	8360430	146.40	100325165	0.6961	0.0137
SBE5	DIATOM_C	Winter	AP	46120943	5440072	141.54	65280863	0.6099	0.8103
SBE5	DIATOM_C	Annual	BP	61932976	2899813	56.19	34797758	0.1465	0.0959
SBE5	DIATOM_C	Fall	BP	36278595	1981908	65.56	23782900	0.2766	0.1589
SBE5	DIATOM_C	SAV1	BP	41241955	940191	27.36	11282293	0.1573	0.5500
SBE5	DIATOM_C	SAV2	BP	48188089	5927093	147.60	71125114	0.1015	0.0098
SBE5	DIATOM_C	Spring1	BP	93347320	-6714889	-86.32	-80578673	0.7725	0.1807
SBE5	DIATOM_C	Spring2	BP	56896562	273505	5.77	3282062	0.0883	1.0000
SBE5	DIATOM_C	Summer1	BP	48188089	14530687	361.85	174368249	0.9017	0.0012
SBE5	DIATOM_C	Summer2	BP	48188089	11468817	285.60	137625799	0.7536	0.0060
SBE5	DIATOM_C	Winter	BP	117024650	-10055590	-103.11	-120667080	0.9679	0.4713
SBE5	DINOFLG	Annual	AP	88347	-1744	-23.69	-20932	0.9381	0.1913
SBE5	DINOFLG	Fall	AP	62480	-420	-8.06	-5038	0.6366	0.6219
SBE5	DINOFLG	SAV1	AP	62480	-1561	-29.97	-18726	0.6912	0.2731
SBE5	DINOFLG	SAV2	AP	85461	-1623	-22.79	-19473	0.6631	0.4606
SBE5	DINOFLG	Spring1	AP	76034	-5616	-88.63	-67388	0.4821	0.1390
SBE5	DINOFLG	Spring2	AP	67965	-4626	-81.68	-55510	0.2348	0.2597
SBE5	DINOFLG	Summer1	AP	121524	1241	12.26	14894	0.8592	0.9029
SBE5	DINOFLG	Summer2	AP	130409	-1631	-15.01	-19575	0.9237	0.7781
SBE5	DINOFLG	Winter	AP	222257	-10345	-55.85	-124135	0.8269	0.3133
SBE5	DINOFLG	Annual	BP	41639	-2093	-60.31	-25112	0.4987	0.0276
SBE5	DINOFLG	Fall	BP	29781	-1096	-44.17	-13155	0.9478	0.2746
SBE5	DINOFLG	SAV1	BP	35739	-2429	-81.57	-29152	0.9716	0.0119
SBE5	DINOFLG	SAV2	BP	30949	-1084	-42.03	-13009	0.5696	0.3100
SBE5	DINOFLG	Spring1	BP	84263	-5758	-82.00	-69094	0.7315	0.0572
SBE5	DINOFLG	Spring2	BP	34898	-2000	-68.77	-23998	0.7037	0.4176
SBE5	DINOFLG	Summer1	BP	29601	-113	-4.59	-1358	0.2779	0.8787
SBE5	DINOFLG	Summer2	BP	29601	-429	-17.38	-5146	0.1525	0.7781
SBE5	DINOFLG	Winter	BP	269824	-8294	-36.89	-99528	0.0555	0.1130
SBE5	DINOFL_C	Annual	AP	9757253	-159149	-19.57	-1909791	0.7476	0.1033
SBE5	DINOFL_C	Fall	AP	2799155	-53669	-23.01	-644024	0.3274	0.5261
SBE5	DINOFL_C	SAV1	AP	5754522	-157614	-32.87	-1891366	0.4827	0.1225
SBE5	DINOFL_C	SAV2	AP	8659873	-134099	-18.58	-1609183	0.5007	0.2131
SBE5	DINOFL_C	Spring1	AP	14309551	-1382463	-115.93	-16589554	0.5272	0.0201
SBE5	DINOFL_C	Spring2	AP	11063352	-678646	-73.61	-8143754	0.2359	0.0572
SBE5	DINOFL_C	Summer1	AP	7084736	11264	1.91	135171	0.9429	1.0000
SBE5	DINOFL_C	Summer2	AP	7084736	-26396	-4.47	-316750	0.8574	0.8880
SBE5	DINOFL_C	Winter	AP	22594948	-459624	-24.41	-5515488	0.5508	0.7368
SBE5	DINOFL_C	Annual	BP	10199185	-192087	-22.60	-2305045	0.1166	0.0890
SBE5	DINOFL_C	Fall	BP	6060535	-35187	-6.97	-422241	0.9010	0.6725
SBE5	DINOFL_C	SAV1	BP	10332009	-318173	-36.95	-3818080	0.5971	0.0147
SBE5	DINOFL_C	SAV2	BP	4098752	-72820	-21.32	-873838	0.2440	0.5185
SBE5	DINOFL_C	Spring1	BP	26201790	-1797300	-82.31	-21567605	0.5998	0.0137
SBE5	DINOFL_C	Spring2	BP	13501707	-652761	-58.02	-7833134	0.4280	0.2048
SBE5	DINOFL_C	Summer1	BP	3611979	62175	20.66	746100	0.1752	0.7603
SBE5	DINOFL_C	Summer2	BP	2984266	52664	21.18	631970	0.0840	0.7781
SBE5	DINOFL_C	Winter	BP	30380890	-682834	-26.97	-8194005	0.0137	0.2694
SBE5	CYANO	Annual	AP	7793	23283	3585.25	279398	0.9084	<0.0001
SBE5	CYANO	Fall	AP	3523	14942	5089.40	179299	0.7271	0.0053
SBE5	CYANO	SAV1	AP	7068	21689	3682.68	260273	0.5023	0.0001

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
SBE5	CYANO	SAV2	AP	30633	33096	1296.48	397152	0.6728	0.0002
SBE5	CYANO	Spring1	AP	30633	44888	1758.40	538650	0.3528	0.0013
SBE5	CYANO	Spring2	AP	30633	49564	1941.58	594763	0.4501	0.0047
SBE5	CYANO	Summer1	AP	497792	37819	91.17	453826	0.7362	0.0300
SBE5	CYANO	Summer2	AP	671435	28897	51.64	346758	0.7315	0.1390
SBE5	CYANO	Winter	AP	3584	12461	4172.21	149532	0.7312	0.1130
SBE5	CYANO	Annual	BP	1024	20940	24538.48	251274	0.6115	<0.0001
SBE5	CYANO	Fall	BP	160	5062	37965.00	60744	0.5228	0.0159
SBE5	CYANO	SAV1	BP	2585	19410	9012.03	232916	0.3679	<0.0001
SBE5	CYANO	SAV2	BP	1728	34777	24150.85	417327	0.5807	<0.0001
SBE5	CYANO	Spring1	BP	6434	23404	4365.35	280845	0.1766	0.0004
SBE5	CYANO	Spring2	BP	2585	24810	11519.36	297718	0.3651	0.0001
SBE5	CYANO	Summer1	BP	288	51777	215735.92	621319	0.7468	<0.0001
SBE5	CYANO	Summer2	BP	1408	54979	46856.95	659746	0.9070	<0.0001
SBE5	CYANO	Winter	BP	2688	18979	8472.77	227748	0.1591	0.0039
SBE5	CYANO_C	Annual	AP	147860	134182	1089.00	1610187	0.9247	<0.0001
SBE5	CYANO_C	Fall	AP	35618	84071	2832.39	1008850	0.7810	0.0006
SBE5	CYANO_C	SAV1	AP	60699	120765	2387.48	1449175	0.6271	<0.0001
SBE5	CYANO_C	SAV2	AP	505592	169348	401.94	2032177	0.6975	<0.0001
SBE5	CYANO_C	Spring1	AP	170077	140473	991.12	1685675	0.2504	0.0060
SBE5	CYANO_C	Spring2	AP	361014	169493	563.39	2033911	0.2896	0.0122
SBE5	CYANO_C	Summer1	AP	840429	223285	318.82	2679418	0.9232	0.0013
SBE5	CYANO_C	Summer2	AP	840429	224196	320.12	2690355	0.7880	0.0060
SBE5	CYANO_C	Winter	AP	77352	114508	1776.43	1374100	0.7580	0.1948
SBE5	CYANO_C	Annual	BP	10728	123918	13861.26	1487022	0.6126	<0.0001
SBE5	CYANO_C	Fall	BP	2690	56499	25204.92	677992	0.6211	0.0070
SBE5	CYANO_C	SAV1	BP	17126	99621	6980.38	1195451	0.4028	<0.0001
SBE5	CYANO_C	SAV2	BP	9992	157802	18951.18	1893623	0.5212	<0.0001
SBE5	CYANO_C	Spring1	BP	141655	146703	1242.77	1760437	0.1516	0.0043
SBE5	CYANO_C	Spring2	BP	9992	129883	15598.31	1558601	0.3406	0.0010
SBE5	CYANO_C	Summer1	BP	2273	207057	109299.32	2484680	0.5127	<0.0001
SBE5	CYANO_C	Summer2	BP	19525	251195	15438.41	3014343	0.7707	<0.0001
SBE5	CYANO_C	Winter	BP	34284	136756	4786.77	1641073	0.3169	0.0270
SBE5	CHLORO	Annual	AP	7793	1516	233.37	18186	0.9970	0.0589
SBE5	CHLORO	Fall	AP	4665	1233	317.20	14796	0.9955	0.1784
SBE5	CHLORO	SAV1	AP	10716	3177	355.78	38123	0.9960	0.1097
SBE5	CHLORO	SAV2	AP	4729	1149	291.54	13785	0.9311	0.2558
SBE5	CHLORO	Spring1	AP	18505	5509	357.22	66103	0.8860	0.2591
SBE5	CHLORO	Spring2	AP	13313	334	30.15	4013	0.6088	0.5479
SBE5	CHLORO	Summer1	AP	864	67	93.25	806	0.7503	0.6676
SBE5	CHLORO	Summer2	AP	832	1632	2353.85	19584	0.6847	0.4791
SBE5	CHLORO	Winter	AP	20846	1567	90.20	18804	0.6698	0.3084
SBE5	CHLORO	Annual	BP	1152	8282	8627.08	99384	0.8980	<0.0001
SBE5	CHLORO	Fall	BP	128	2457	23034.66	29484	0.5604	0.0274
SBE5	CHLORO	SAV1	BP	4981	5274	1270.78	63291	0.9874	0.0115
SBE5	CHLORO	SAV2	BP	4981	10342	2491.87	124108	0.6861	0.0001
SBE5	CHLORO	Spring1	BP	21172	10618	601.83	127417	0.8053	0.0376
SBE5	CHLORO	Spring2	BP	20396	11777	692.91	141326	0.5272	0.0015
SBE5	CHLORO	Summer1	BP	2149	10860	6065.68	130321	0.3698	0.0006
SBE5	CHLORO	Summer2	BP	2101	10121	5782.15	121454	0.3894	0.0159
SBE5	CHLORO	Winter	BP	384	10400	32500.00	124800	0.6655	0.0141
SBE5	CHLORO_C	Annual	AP	204760	76877	450.54	922518	0.8988	0.0016
SBE5	CHLORO_C	Fall	AP	101126	45523	540.19	546275	0.8613	0.0655
SBE5	CHLORO_C	SAV1	AP	554950	137943	298.28	1655313	0.9048	0.0164
SBE5	CHLORO_C	SAV2	AP	100360	171392	2049.33	2056705	0.5889	0.0310
SBE5	CHLORO_C	Spring1	AP	1960565	197954	121.16	2375446	0.5276	0.0569

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
SBE5	CHLORO_C	Spring2	AP	1335332	153554	137.99	1842654	0.2402	0.1680
SBE5	CHLORO_C	Summer1	AP	19243	77360	4824.13	928316	0.3999	0.2437
SBE5	CHLORO_C	Summer2	AP	12689	210058	19865.73	2520692	0.4189	0.1195
SBE5	CHLORO_C	Winter	AP	445227	50694	136.63	608325	0.5047	0.1327
SBE5	CHLORO_C	Annual	BP	32991	180779	6575.62	2169344	0.9532	<0.0001
SBE5	CHLORO_C	Fall	BP	3530	115552	39278.53	1386626	0.9292	0.0085
SBE5	CHLORO_C	SAV1	BP	222472	149011	803.76	1788131	0.9033	0.0175
SBE5	CHLORO_C	SAV2	BP	143437	282023	2359.42	3384282	0.9106	0.0016
SBE5	CHLORO_C	Spring1	BP	1404507	122222	104.43	1466668	0.7911	0.3413
SBE5	CHLORO_C	Spring2	BP	1404507	146797	125.42	1761562	0.8746	0.2048
SBE5	CHLORO_C	Summer1	BP	48164	332288	8278.92	3987456	0.7498	0.0048
SBE5	CHLORO_C	Summer2	BP	47261	437825	11116.71	5253896	0.7405	0.0046
SBE5	CHLORO_C	Winter	BP	4385	221670	60658.43	2660042	0.3398	0.0677
SBE5	CRYPTO	Annual	AP	615244	9187	17.92	110246	0.3717	0.2594
SBE5	CRYPTO	Fall	AP	397440	36592	110.48	439106	0.5404	0.0242
SBE5	CRYPTO	SAV1	AP	572582	28123	58.94	337480	0.6546	0.0284
SBE5	CRYPTO	SAV2	AP	641542	9088	17.00	109061	0.8448	0.4065
SBE5	CRYPTO	Spring1	AP	458574	30983	81.08	371790	0.6858	0.1589
SBE5	CRYPTO	Spring2	AP	568072	24754	52.29	297047	0.6088	0.2597
SBE5	CRYPTO	Summer1	AP	654145	-1363	-2.50	-16355	0.8872	0.9029
SBE5	CRYPTO	Summer2	AP	654145	-3112	-5.71	-37349	0.7725	0.7781
SBE5	CRYPTO	Winter	AP	492069	-20806	-50.74	-249667	0.9418	0.0756
SBE5	CRYPTO	Annual	BP	284362	10306	43.49	123672	0.6357	0.2446
SBE5	CRYPTO	Fall	BP	239832	14724	73.67	176685	0.4821	0.2906
SBE5	CRYPTO	SAV1	BP	306982	14283	55.83	171395	0.7264	0.1351
SBE5	CRYPTO	SAV2	BP	307628	10843	42.30	130116	0.3541	0.4891
SBE5	CRYPTO	Spring1	BP	458857	12472	32.62	149664	0.6303	0.3979
SBE5	CRYPTO	Spring2	BP	427700	6324	17.74	75887	0.4073	0.9438
SBE5	CRYPTO	Summer1	BP	222354	-275	-1.48	-3296	0.2249	0.9029
SBE5	CRYPTO	Summer2	BP	222354	4352	23.49	52221	0.1525	0.7781
SBE5	CRYPTO	Winter	BP	132480	10695	96.88	128345	0.3067	0.4713
SBE5	CRYPTO_C	Annual	AP	14772008	227083	18.45	2724991	0.3695	0.2304
SBE5	CRYPTO_C	Fall	AP	9542534	878578	110.48	10542931	0.5404	0.0242
SBE5	CRYPTO_C	SAV1	AP	13747694	718595	62.72	8623143	0.6958	0.0219
SBE5	CRYPTO_C	SAV2	AP	15403423	233020	18.15	2796243	0.8428	0.3563
SBE5	CRYPTO_C	Spring1	AP	11010350	927565	101.09	11130781	0.7725	0.1212
SBE5	CRYPTO_C	Spring2	AP	13639397	820200	72.16	9842395	0.6591	0.2048
SBE5	CRYPTO_C	Summer1	AP	15706009	-32724	-2.50	-392693	0.8872	0.9029
SBE5	CRYPTO_C	Summer2	AP	15706009	-74729	-5.71	-896752	0.7725	0.7781
SBE5	CRYPTO_C	Winter	AP	11814577	-499543	-50.74	-5994510	0.9418	0.0756
SBE5	CRYPTO_C	Annual	BP	6827532	255458	44.90	3065501	0.6946	0.2037
SBE5	CRYPTO_C	Fall	BP	5758366	353518	73.67	4242218	0.4821	0.2906
SBE5	CRYPTO_C	SAV1	BP	7370626	365049	59.43	4380586	0.7823	0.1109
SBE5	CRYPTO_C	SAV2	BP	7386136	293736	47.72	3524828	0.4154	0.4065
SBE5	CRYPTO_C	Spring1	BP	11017145	440906	48.02	5290876	0.7388	0.3240
SBE5	CRYPTO_C	Spring2	BP	10269065	193576	22.62	2322907	0.4280	0.8326
SBE5	CRYPTO_C	Summer1	BP	5338708	-1641	-0.37	-19691	0.2550	0.9514
SBE5	CRYPTO_C	Summer2	BP	5338708	143672	32.29	1724062	0.1823	0.7247
SBE5	CRYPTO_C	Winter	BP	3180845	256797	96.88	3081559	0.3067	0.4713
SBE5	PROCARY	Annual	AP	0.00	0.01	0.00	0.12	0.7451	<0.0001
SBE5	PROCARY	Fall	AP	0.00	0.00	0.00	0.00	0.5465	0.0183
SBE5	PROCARY	SAV1	AP	0.01	0.01	1200.00	0.12	0.3598	0.0002
SBE5	PROCARY	SAV2	AP	0.02	0.01	600.00	0.12	0.5955	0.0009
SBE5	PROCARY	Spring1	AP	0.02	0.01	600.00	0.12	0.2084	0.0012
SBE5	PROCARY	Spring2	AP	0.02	0.01	600.00	0.12	0.4772	0.0261
SBE5	PROCARY	Summer1	AP	0.12	0.01	100.00	0.12	0.6231	0.0542

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
SBE5	PROCARY	Summer2	AP	0.14	0.01	85.71	0.12	0.4259	0.1212
SBE5	PROCARY	Winter	AP	0.00	0.00	0.00	0.00	0.8830	0.1130
SBE5	PROCARY	Annual	BP	0.00	0.01	0.00	0.12	0.2813	<0.0001
SBE5	PROCARY	Fall	BP	0.00	0.00	0.00	0.00	0.2048	0.0131
SBE5	PROCARY	SAV1	BP	0.00	0.01	0.00	0.12	0.2523	<0.0001
SBE5	PROCARY	SAV2	BP	0.00	0.01	0.00	0.12	0.5266	<0.0001
SBE5	PROCARY	Spring1	BP	0.00	0.01	0.00	0.12	0.1662	0.0013
SBE5	PROCARY	Spring2	BP	0.00	0.01	0.00	0.12	0.3794	0.0004
SBE5	PROCARY	Summer1	BP	0.00	0.01	0.00	0.12	0.5208	0.0001
SBE5	PROCARY	Summer2	BP	0.00	0.01	0.00	0.12	0.6882	0.0001
SBE5	PROCARY	Winter	BP	0.00	0.00	0.00	0.00	0.0590	0.0029
SBE5	PROCAR_C	Annual	AP	0.00	0.00	0.00	0.00	0.8936	<0.0001
SBE5	PROCAR_C	Fall	AP	0.00	0.00	0.00	0.00	0.6830	0.0017
SBE5	PROCAR_C	SAV1	AP	0.00	0.00	0.00	0.00	0.7865	<0.0001
SBE5	PROCAR_C	SAV2	AP	0.00	0.00	0.00	0.00	0.7565	0.0002
SBE5	PROCAR_C	Spring1	AP	0.00	0.00	0.00	0.00	0.5168	0.0009
SBE5	PROCAR_C	Spring2	AP	0.00	0.00	0.00	0.00	0.3394	0.0261
SBE5	PROCAR_C	Summer1	AP	0.01	0.00	0.00	0.00	0.8993	0.0406
SBE5	PROCAR_C	Summer2	AP	0.01	0.00	0.00	0.00	0.9422	0.0346
SBE5	PROCAR_C	Winter	AP	0.00	0.00	0.00	0.00	0.7945	0.3616
SBE5	PROCAR_C	Annual	BP	0.00	0.00	0.00	0.00	0.5718	<0.0001
SBE5	PROCAR_C	Fall	BP	0.00	0.00	0.00	0.00	0.6115	0.0029
SBE5	PROCAR_C	SAV1	BP	0.00	0.00	0.00	0.00	0.3937	<0.0001
SBE5	PROCAR_C	SAV2	BP	0.00	0.00	0.00	0.00	0.6340	<0.0001
SBE5	PROCAR_C	Spring1	BP	0.00	0.00	0.00	0.00	0.1277	0.0082
SBE5	PROCAR_C	Spring2	BP	0.00	0.00	0.00	0.00	0.2420	0.0034
SBE5	PROCAR_C	Summer1	BP	0.00	0.00	0.00	0.00	0.4574	0.0003
SBE5	PROCAR_C	Summer2	BP	0.00	0.00	0.00	0.00	0.7706	0.0001
SBE5	PROCAR_C	Winter	BP	0.00	0.00	0.00	0.00	0.2218	0.0435
SBE5	COCCO	Annual	AP	0	0	0.00	0	0.5721	0.2448
SBE5	COCCO	Fall	AP	0	0	0.00	0		0.6234
SBE5	COCCO	SAV1	AP	0	0	0.00	0	0.4794	0.0246
SBE5	COCCO	SAV2	AP	0	0	0.00	0	0.5988	0.1352
SBE5	COCCO	Spring1	AP	0	0	0.00	0	0.2582	0.0965
SBE5	COCCO	Spring2	AP	0	0	0.00	0	0.3612	0.2271
SBE5	COCCO	Summer1	AP	0	0	0.00	0	0.6005	0.4922
SBE5	COCCO	Summer2	AP	0	0	0.00	0	0.4482	0.3760
SBE5	COCCO	Winter	AP	0	0	0.00	0	1.0000	1.0000
SBE5	COCCO	Annual	BP	0	0	0.00	0	0.7905	0.5477
SBE5	COCCO	Fall	BP	0	0	0.00	0	0.8501	0.5708
SBE5	COCCO	SAV1	BP	0	0	0.00	0	0.3884	0.4497
SBE5	COCCO	SAV2	BP	0	0	0.00	0	0.6623	0.5877
SBE5	COCCO	Spring1	BP	0	0	0.00	0	0.1698	0.5677
SBE5	COCCO	Spring2	BP	0	0	0.00	0	0.3410	0.6143
SBE5	COCCO	Summer1	BP	0	0	0.00	0	0.9446	0.9369
SBE5	COCCO	Summer2	BP	0	0	0.00	0		0.9218
SBE5	COCCO	Winter	BP	0	0	0.00	0	1.0000	1.0000
SBE5	COCCO_C	Annual	AP	0	0	0.00	0	0.5721	0.2448
SBE5	COCCO_C	Fall	AP	0	0	0.00	0		0.6234
SBE5	COCCO_C	SAV1	AP	0	0	0.00	0	0.4794	0.0246
SBE5	COCCO_C	SAV2	AP	0	0	0.00	0	0.5988	0.1352
SBE5	COCCO_C	Spring1	AP	0	0	0.00	0	0.2582	0.0965
SBE5	COCCO_C	Spring2	AP	0	0	0.00	0	0.3612	0.2271
SBE5	COCCO_C	Summer1	AP	0	0	0.00	0	0.6005	0.4922
SBE5	COCCO_C	Summer2	AP	0	0	0.00	0	0.4482	0.3760
SBE5	COCCO_C	Winter	AP	0	0	0.00	0	1.0000	1.0000

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
SBE5	COCCO_C	Annual	BP	0	0	0.00	0	0.7905	0.5477
SBE5	COCCO_C	Fall	BP	0	0	0.00	0	0.8501	0.5708
SBE5	COCCO_C	SAV1	BP	0	0	0.00	0	0.3884	0.4497
SBE5	COCCO_C	SAV2	BP	0	0	0.00	0	0.6623	0.5877
SBE5	COCCO_C	Spring1	BP	0	0	0.00	0	0.1698	0.5677
SBE5	COCCO_C	Spring2	BP	0	0	0.00	0	0.3410	0.6143
SBE5	COCCO_C	Summer1	BP	0	0	0.00	0	0.9446	0.9369
SBE5	COCCO_C	Summer2	BP	0	0	0.00	0		0.9218
SBE5	COCCO_C	Winter	BP	0	0	0.00	0	1.0000	1.0000
SBE5	EUGLENO	Annual	AP	2112	-6	-3.31	-70	0.6173	<0.0001
SBE5	EUGLENO	Fall	AP	384	-4	-12.50	-48	0.8970	0.0003
SBE5	EUGLENO	SAV1	AP	2709	-4	-1.90	-51	0.9599	<0.0001
SBE5	EUGLENO	SAV2	AP	6197	-30	-5.85	-363	0.2464	0.0002
SBE5	EUGLENO	Spring1	AP	9019	0	0.00	0	0.6146	0.0012
SBE5	EUGLENO	Spring2	AP	14777	-120	-9.74	-1440	0.6050	0.0003
SBE5	EUGLENO	Summer1	AP	8345	-34	-4.93	-411	0.1533	0.0466
SBE5	EUGLENO	Summer2	AP	5152	-11	-2.60	-134	0.2395	0.3488
SBE5	EUGLENO	Winter	AP	64	0	0.00	0	0.8735	0.0083
SBE5	EUGLENO	Annual	BP	128	0	0.00	0	0.8910	0.0002
SBE5	EUGLENO	Fall	BP	16	0	0.00	0	0.8614	0.3831
SBE5	EUGLENO	SAV1	BP	48	0	0.00	0	0.5584	0.0088
SBE5	EUGLENO	SAV2	BP	256	0	0.00	0	0.6371	0.0124
SBE5	EUGLENO	Spring1	BP	288	0	0.00	0	0.2613	0.0159
SBE5	EUGLENO	Spring2	BP	176	-5	-31.84	-56	0.2611	0.0201
SBE5	EUGLENO	Summer1	BP	416	0	0.00	0	0.8951	0.0610
SBE5	EUGLENO	Summer2	BP	960	-3	-3.34	-32	0.7917	0.1501
SBE5	EUGLENO	Winter	BP	128	0	0.00	0	0.8419	0.0126
SBE5	EUGLEN_C	Annual	AP	379372	-2964	-9.38	-35566	0.8569	<0.0001
SBE5	EUGLEN_C	Fall	AP	156760	-313	-2.39	-3754	0.9240	0.0003
SBE5	EUGLEN_C	SAV1	AP	351982	-463	-1.58	-5552	0.9764	<0.0001
SBE5	EUGLEN_C	SAV2	AP	872573	-6494	-8.93	-77931	0.4501	<0.0001
SBE5	EUGLEN_C	Spring1	AP	705417	0	0.00	0	0.6778	0.0008
SBE5	EUGLEN_C	Spring2	AP	3870796	-22957	-7.12	-275489	0.5348	<0.0001
SBE5	EUGLEN_C	Summer1	AP	1001374	-21714	-26.02	-260568	0.1951	0.0021
SBE5	EUGLEN_C	Summer2	AP	703508	-9046	-15.43	-108553	0.3977	0.0719
SBE5	EUGLEN_C	Winter	AP	51441	0	0.00	0	0.9231	0.0100
SBE5	EUGLEN_C	Annual	BP	11855	0	0.00	0	0.9372	<0.0001
SBE5	EUGLEN_C	Fall	BP	1212	0	0.00	0	0.9676	0.1852
SBE5	EUGLEN_C	SAV1	BP	4415	0	0.00	0	0.5961	0.0017
SBE5	EUGLEN_C	SAV2	BP	69701	-593	-10.21	-7113	0.6518	0.0009
SBE5	EUGLEN_C	Spring1	BP	160220	0	0.00	0	0.2616	0.0115
SBE5	EUGLEN_C	Spring2	BP	44509	-514	-13.85	-6163	0.2603	0.0068
SBE5	EUGLEN_C	Summer1	BP	83039	-1310	-18.94	-15724	0.8161	0.0098
SBE5	EUGLEN_C	Summer2	BP	147340	-1719	-14.00	-20623	0.6831	0.0424
SBE5	EUGLEN_C	Winter	BP	9695	-593	-73.37	-7113	0.8870	0.0157
SBE5	PICO	Annual	AP	19550000	-163635	-10.04	-1963620	0.9982	0.0406
SBE5	PICO	Fall	AP	14350000	-120250	-10.06	-1443000	0.9563	0.5261
SBE5	PICO	SAV1	AP	18900000	-141000	-8.95	-1692000	0.9468	0.2402
SBE5	PICO	SAV2	AP	255000000	-574333	-2.70	-6892000	0.9266	0.0800
SBE5	PICO	Spring1	AP	19900000	-60000	-3.62	-720000	0.6199	0.4841
SBE5	PICO	Spring2	AP	19900000	-119295	-7.19	-1431535	0.6199	0.4841
SBE5	PICO	Summer1	AP	394000000	-11125556	-33.88	-133506672	0.9642	0.0629
SBE5	PICO	Summer2	AP	400250000	-13593729	-40.76	-163124748	0.9570	0.0684
SBE5	PICO	Winter	AP	8130000	-56848	-8.39	-682176	0.9980	0.4402
SBE5	PICO	Annual	BP	21750000	-192000	-10.59	-2304000	0.9395	0.0185
SBE5	PICO	Fall	BP	17050000	-245000	-17.24	-2940000	0.4727	0.0670

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
SBE5	PICO	SAV1	BP	20100000	-265375	-15.84	-3184500	0.7875	0.0116
SBE5	PICO	SAV2	BP	154000000	-844333	-6.58	-10132000	0.9386	0.0316
SBE5	PICO	Spring1	BP	18900000	-109969	-6.98	-1319623	0.5652	0.3033
SBE5	PICO	Spring2	BP	18900000	-155612	-9.88	-1867344	0.5582	0.3420
SBE5	PICO	Summer1	BP	223000000	-5867667	-31.57	-70412000	0.9400	0.1109
SBE5	PICO	Summer2	BP	305500000	-6131286	-24.08	-73575428	0.9068	0.1109
SBE5	PICO	Winter	BP	7075000	35607	6.04	427285	0.8034	0.8773
SBE5	PICO_C	Annual	AP	29325000	-245453	-10.04	-2945430	0.9982	0.0406
SBE5	PICO_C	Fall	AP	21525000	-180375	-10.06	-2164500	0.9563	0.5261
SBE5	PICO_C	SAV1	AP	28350000	-211500	-8.95	-2538000	0.9468	0.2402
SBE5	PICO_C	SAV2	AP	382500000	-861500	-2.70	-10338000	0.9266	0.0800
SBE5	PICO_C	Spring1	AP	29850000	-90000	-3.62	-1080000	0.6199	0.4841
SBE5	PICO_C	Spring2	AP	29850000	-178942	-7.19	-2147302	0.6199	0.4841
SBE5	PICO_C	Summer1	AP	591000000	-16688333	-33.88	-200259996	0.9642	0.0629
SBE5	PICO_C	Summer2	AP	600375000	-20390594	-40.76	-244687128	0.9570	0.0684
SBE5	PICO_C	Winter	AP	12195000	-85272	-8.39	-1023264	0.9980	0.4402
SBE5	PICO_C	Annual	BP	32625000	-288000	-10.59	-3456000	0.9395	0.0185
SBE5	PICO_C	Fall	BP	25575000	-367500	-17.24	-4410000	0.4727	0.0670
SBE5	PICO_C	SAV1	BP	30150000	-398063	-15.84	-4776750	0.7875	0.0116
SBE5	PICO_C	SAV2	BP	231000000	-1266500	-6.58	-15198000	0.9386	0.0316
SBE5	PICO_C	Spring1	BP	28350000	-164953	-6.98	-1979434	0.5652	0.3033
SBE5	PICO_C	Spring2	BP	28350000	-233418	-9.88	-2801016	0.5582	0.3420
SBE5	PICO_C	Summer1	BP	334500000	-8801500	-31.57	-105618000	0.9400	0.1109
SBE5	PICO_C	Summer2	BP	458250000	-9196929	-24.08	-110363143	0.9068	0.1109
SBE5	PICO_C	Winter	BP	10612500	53411	6.04	640928	0.8034	0.8773
SBE5	N_SP	Annual	AP	34.00	0.00	0.00	0.00	0.1188	0.8571
SBE5	N_SP	Fall	AP	29.50	0.32	13.02	3.84	0.2857	0.3198
SBE5	N_SP	SAV1	AP	30.00	0.00	0.00	0.00	0.0755	0.8407
SBE5	N_SP	SAV2	AP	29.50	0.00	0.00	0.00	0.0891	0.7452
SBE5	N_SP	Spring1	AP	41.50	-0.59	-17.06	-7.08	0.2552	0.0830
SBE5	N_SP	Spring2	AP	37.00	-0.50	-16.22	-6.00	0.1216	0.1791
SBE5	N_SP	Summer1	AP	28.50	0.44	18.53	5.28	0.4720	0.1578
SBE5	N_SP	Summer2	AP	27.50	0.40	17.45	4.80	0.2885	0.1889
SBE5	N_SP	Winter	AP	40.00	-0.29	-8.70	-3.48	0.1025	0.4703
SBE5	N_SP	Annual	BP	35.00	0.00	0.00	0.00	0.0058	0.9426
SBE5	N_SP	Fall	BP	31.50	0.29	11.05	3.48	0.5573	0.4800
SBE5	N_SP	SAV1	BP	33.00	-0.24	-8.73	-2.88	0.0095	0.4525
SBE5	N_SP	SAV2	BP	29.00	0.39	16.14	4.68	0.0613	0.0572
SBE5	N_SP	Spring1	BP	41.50	-1.00	-28.92	-12.00	0.5886	0.0046
SBE5	N_SP	Spring2	BP	38.50	-0.45	-14.03	-5.40	0.1896	0.3946
SBE5	N_SP	Summer1	BP	24.50	1.00	48.98	12.00	0.7485	0.0016
SBE5	N_SP	Summer2	BP	24.00	1.00	50.00	12.00	0.6897	0.0020
SBE5	N_SP	Winter	BP	47.00	-0.60	-15.32	-7.20	0.2688	0.0593
SBE5	N_GENERA	Annual	AP	32.00	0.11	4.13	1.32	0.0535	0.2943
SBE5	N_GENERA	Fall	AP	28.00	0.31	13.29	3.72	0.3308	0.1183
SBE5	N_GENERA	SAV1	AP	28.00	0.13	5.57	1.56	0.0550	0.2356
SBE5	N_GENERA	SAV2	AP	26.50	0.11	4.98	1.32	0.0491	0.2425
SBE5	N_GENERA	Spring1	AP	37.50	-0.23	-7.36	-2.76	0.2147	0.2712
SBE5	N_GENERA	Spring2	AP	32.50	-0.18	-6.65	-2.16	0.1056	0.4553
SBE5	N_GENERA	Summer1	AP	26.50	0.37	16.75	4.44	0.2682	0.0509
SBE5	N_GENERA	Summer2	AP	25.50	0.33	15.53	3.96	0.1400	0.0849
SBE5	N_GENERA	Winter	AP	37.00	-0.36	-11.68	-4.32	0.0625	0.3857
SBE5	N_GENERA	Annual	BP	32.00	0.00	0.00	0.00	0.0341	0.6520
SBE5	N_GENERA	Fall	BP	29.50	0.24	9.76	2.88	0.6818	0.4780
SBE5	N_GENERA	SAV1	BP	30.00	0.00	0.00	0.00	0.0193	0.6149
SBE5	N_GENERA	SAV2	BP	26.50	0.41	18.57	4.92	0.1006	0.0631

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
SBE5	N_GENERA	Spring1	BP	36.50	-0.80	-26.30	-9.60	0.6406	0.0129
SBE5	N_GENERA	Spring2	BP	33.50	-0.27	-9.67	-3.24	0.3466	0.3959
SBE5	N_GENERA	Summer1	BP	23.50	0.61	31.15	7.32	0.6960	0.0023
SBE5	N_GENERA	Summer2	BP	22.00	0.63	34.36	7.56	0.7912	0.0017
SBE5	N_GENERA	Winter	BP	40.00	-0.44	-13.20	-5.28	0.3460	0.2464
SBE5	SHANNON	Annual	AP	2.91	0.00	0.00	0.00	0.4853	0.8720
SBE5	SHANNON	Fall	AP	2.72	0.03	13.24	0.36	0.9659	0.2597
SBE5	SHANNON	SAV1	AP	2.68	0.01	4.48	0.12	0.7141	0.4856
SBE5	SHANNON	SAV2	AP	2.90	-0.01	-4.14	-0.12	0.1676	0.6119
SBE5	SHANNON	Spring1	AP	3.03	-0.01	-3.96	-0.12	0.9563	0.5261
SBE5	SHANNON	Spring2	AP	3.09	-0.05	-19.42	-0.60	0.3406	0.0782
SBE5	SHANNON	Summer1	AP	2.90	-0.01	-4.14	-0.12	0.0409	0.5830
SBE5	SHANNON	Summer2	AP	2.68	0.01	4.48	0.12	0.1887	0.5261
SBE5	SHANNON	Winter	AP	2.91	0.00	0.00	0.00	0.7536	0.8103
SBE5	SHANNON	Annual	BP	2.62	0.01	4.58	0.12	0.6266	0.4414
SBE5	SHANNON	Fall	BP	2.57	0.03	14.01	0.36	0.8574	0.3240
SBE5	SHANNON	SAV1	BP	2.57	0.02	9.34	0.24	0.8356	0.2130
SBE5	SHANNON	SAV2	BP	2.54	0.01	4.72	0.12	0.5070	0.5800
SBE5	SHANNON	Spring1	BP	2.88	0.01	4.17	0.12	0.6303	0.6725
SBE5	SHANNON	Spring2	BP	2.67	-0.03	-13.48	-0.36	0.4323	0.3598
SBE5	SHANNON	Summer1	BP	2.57	0.01	4.67	0.12	0.1972	0.4641
SBE5	SHANNON	Summer2	BP	2.57	0.03	14.01	0.36	0.9010	0.0909
SBE5	SHANNON	Winter	BP	2.83	-0.02	-8.48	-0.24	0.4453	0.3133
SBE5	EVENNESS	Annual	AP	0.57	0.00	0.00	0.00	0.2625	0.8160
SBE5	EVENNESS	Fall	AP	0.56	0.00	0.00	0.00	0.7841	0.3240
SBE5	EVENNESS	SAV1	AP	0.55	0.00	0.00	0.00	0.8739	0.7650
SBE5	EVENNESS	SAV2	AP	0.57	0.00	0.00	0.00	0.0721	0.4330
SBE5	EVENNESS	Spring1	AP	0.56	0.00	0.00	0.00	0.9375	0.5730
SBE5	EVENNESS	Spring2	AP	0.59	-0.01	-20.34	-0.12	0.2245	0.0670
SBE5	EVENNESS	Summer1	AP	0.58	0.00	0.00	0.00	0.0133	0.3601
SBE5	EVENNESS	Summer2	AP	0.56	0.00	0.00	0.00	0.0643	0.7247
SBE5	EVENNESS	Winter	AP	0.54	0.00	0.00	0.00	0.9065	0.8103
SBE5	EVENNESS	Annual	BP	0.53	0.00	0.00	0.00	0.3521	0.2909
SBE5	EVENNESS	Fall	BP	0.53	0.00	0.00	0.00	0.5272	0.3979
SBE5	EVENNESS	SAV1	BP	0.52	0.01	23.08	0.12	0.5278	0.0411
SBE5	EVENNESS	SAV2	BP	0.54	0.00	0.00	0.00	0.1784	0.7820
SBE5	EVENNESS	Spring1	BP	0.54	0.01	22.22	0.12	0.2766	0.1212
SBE5	EVENNESS	Spring2	BP	0.55	0.00	0.00	0.00	0.0271	0.7781
SBE5	EVENNESS	Summer1	BP	0.54	0.00	0.00	0.00	0.1454	0.8072
SBE5	EVENNESS	Summer2	BP	0.52	0.00	0.00	0.00	0.6303	0.3979
SBE5	EVENNESS	Winter	BP	0.49	0.00	0.00	0.00	0.4006	0.9617
TF4.2	TOTABUND	Annual	AP	3514434	137398	54.73	1923576	0.5452	0.0016
TF4.2	TOTABUND	Fall	AP	3081051	96803	43.99	1355248	0.8862	0.1161
TF4.2	TOTABUND	SAV1	AP	4385510	61181	19.53	856528	0.7433	0.3453
TF4.2	TOTABUND	SAV2	AP	6550740	195891	41.87	2742470	0.2883	0.0133
TF4.2	TOTABUND	Spring1	AP	4385510	-35135	-11.22	-491896	0.6857	0.7907
TF4.2	TOTABUND	Spring2	AP	2536329	158820	87.67	2223478	0.0290	0.0928
TF4.2	TOTABUND	Summer1	AP	9415944	349196	51.92	4888742	0.3469	0.0020
TF4.2	TOTABUND	Summer2	AP	10869280	252545	32.53	3535632	0.9657	0.0720
TF4.2	TOTABUND	Winter	AP	1727606	207534	168.18	2905477	0.8792	0.0597
TF4.2	TOTABUND	Annual	BP	3800872	221233	81.49	3097259	0.9196	<0.0001
TF4.2	TOTABUND	Fall	BP	4135273	181586	61.48	2542210	0.7601	0.0321
TF4.2	TOTABUND	SAV1	BP	3232356	185432	80.31	2596041	0.9849	0.0044
TF4.2	TOTABUND	SAV2	BP	6077818	253250	58.33	3545494	0.7795	0.0085
TF4.2	TOTABUND	Spring1	BP	2009962	162771	113.37	2278791	0.9605	0.0686
TF4.2	TOTABUND	Spring2	BP	3139641	284565	126.89	3983903	0.5404	0.0122

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF4.2	TOTABUND	Summer1	BP	10563453	357423	47.37	5003926	0.3731	0.0429
TF4.2	TOTABUND	Summer2	BP	26134178	193814	10.38	2713392	0.6998	0.3143
TF4.2	TOTABUND	Winter	BP	1861270	326687	245.73	4573624	0.4343	0.0100
TF4.2	TOTBMASS	Annual	AP	135315729	6005252	62.13	84073533	0.2746	0.0014
TF4.2	TOTBMASS	Fall	AP	112811716	4177816	51.85	58489428	0.8891	0.1451
TF4.2	TOTBMASS	SAV1	AP	153917222	2336874	21.26	32716231	0.2512	0.4118
TF4.2	TOTBMASS	SAV2	AP	165087051	9840990	83.46	137773857	0.1635	0.0047
TF4.2	TOTBMASS	Spring1	AP	160205898	-3291637	-28.76	-46082915	0.3871	0.4260
TF4.2	TOTBMASS	Spring2	AP	124262037	3697906	41.66	51770678	0.0390	0.3021
TF4.2	TOTBMASS	Summer1	AP	199105173	23974908	168.58	335648709	0.8849	0.0001
TF4.2	TOTBMASS	Summer2	AP	247949189	25270996	142.69	353793940	0.8616	0.0021
TF4.2	TOTBMASS	Winter	AP	52847729	7313065	193.73	102382917	0.5706	0.0984
TF4.2	TOTBMASS	Annual	BP	129987454	9002916	96.96	126040826	0.8704	0.0001
TF4.2	TOTBMASS	Fall	BP	101043109	6446562	89.32	90251869	0.8438	0.0152
TF4.2	TOTBMASS	SAV1	BP	113272575	6924518	85.58	96943248	0.6137	0.0187
TF4.2	TOTBMASS	SAV2	BP	210704776	12730769	84.59	178230765	0.6290	0.0120
TF4.2	TOTBMASS	Spring1	BP	106441975	1279043	16.82	17906604	0.9379	0.7615
TF4.2	TOTBMASS	Spring2	BP	157330366	9468535	84.26	132559495	0.2721	0.2502
TF4.2	TOTBMASS	Summer1	BP	389877637	23476064	84.30	328664897	0.5738	0.0106
TF4.2	TOTBMASS	Summer2	BP	538933309	18901866	49.10	264626123	0.5427	0.0720
TF4.2	TOTBMASS	Winter	BP	55093811	8368793	212.66	117163101	0.6777	0.0191
TF4.2	RATIO	Annual	AP	37.13	0.19	7.16	2.66	0.7867	0.6642
TF4.2	RATIO	Fall	AP	36.61	-0.16	-6.12	-2.24	0.9216	0.8415
TF4.2	RATIO	SAV1	AP	38.40	-0.08	-2.92	-1.12	0.8682	0.8374
TF4.2	RATIO	SAV2	AP	37.13	0.69	26.02	9.66	0.6260	0.2197
TF4.2	RATIO	Spring1	AP	44.92	-0.70	-21.82	-9.80	0.5250	0.5358
TF4.2	RATIO	Spring2	AP	37.01	-0.01	-0.38	-0.14	0.6460	0.9765
TF4.2	RATIO	Summer1	AP	33.68	1.64	68.17	22.96	0.5692	0.0787
TF4.2	RATIO	Summer2	AP	33.68	2.07	86.05	28.98	0.5193	0.0547
TF4.2	RATIO	Winter	AP	31.55	-0.59	-26.18	-8.26	0.7565	0.7294
TF4.2	RATIO	Annual	BP	31.55	-0.24	-10.65	-3.36	0.3191	0.5872
TF4.2	RATIO	Fall	BP	26.80	0.29	15.15	4.06	0.6825	0.5485
TF4.2	RATIO	SAV1	BP	31.55	-0.46	-20.41	-6.44	0.5176	0.4924
TF4.2	RATIO	SAV2	BP	33.16	0.12	5.07	1.68	0.1149	0.8303
TF4.2	RATIO	Spring1	BP	44.37	-1.68	-53.01	-23.52	0.8031	0.0686
TF4.2	RATIO	Spring2	BP	55.56	-1.79	-45.10	-25.06	0.4278	0.1846
TF4.2	RATIO	Summer1	BP	35.09	1.06	42.29	14.84	0.1855	0.2867
TF4.2	RATIO	Summer2	BP	25.36	1.18	65.14	16.52	0.0943	0.2859
TF4.2	RATIO	Winter	BP	36.96	-1.47	-55.68	-20.58	0.6077	0.1550
TF4.2	MARGALEF	Annual	AP	1.85	0.00	0.00	0.00	0.6675	0.9881
TF4.2	MARGALEF	Fall	AP	1.79	0.02	15.64	0.28	0.8141	0.1034
TF4.2	MARGALEF	SAV1	AP	1.79	0.01	7.82	0.14	0.3586	0.4356
TF4.2	MARGALEF	SAV2	AP	1.91	0.00	0.00	0.00	0.4930	0.8000
TF4.2	MARGALEF	Spring1	AP	1.74	-0.02	-16.09	-0.28	0.7192	0.3021
TF4.2	MARGALEF	Spring2	AP	1.81	-0.02	-15.47	-0.28	0.6842	0.3306
TF4.2	MARGALEF	Summer1	AP	2.16	0.00	0.00	0.00	0.4322	0.9575
TF4.2	MARGALEF	Summer2	AP	2.24	0.00	0.00	0.00	0.2531	0.9757
TF4.2	MARGALEF	Winter	AP	2.02	-0.01	-6.93	-0.14	0.6064	0.4196
TF4.2	MARGALEF	Annual	BP	1.84	-0.01	-7.61	-0.14	0.9647	0.1946
TF4.2	MARGALEF	Fall	BP	1.67	-0.01	-8.38	-0.14	0.3393	0.4751
TF4.2	MARGALEF	SAV1	BP	1.83	0.00	0.00	0.00	0.6389	0.5190
TF4.2	MARGALEF	SAV2	BP	1.99	-0.01	-7.04	-0.14	0.8518	0.2503
TF4.2	MARGALEF	Spring1	BP	1.74	-0.01	-8.05	-0.14	0.7281	0.4663
TF4.2	MARGALEF	Spring2	BP	1.74	-0.02	-16.09	-0.28	0.7407	0.3607
TF4.2	MARGALEF	Summer1	BP	2.11	0.00	0.00	0.00	0.8689	0.7900
TF4.2	MARGALEF	Summer2	BP	2.11	0.00	0.00	0.00	0.8009	0.9757

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF4.2	MARGALEF	Winter	BP	2.16	-0.02	-12.96	-0.28	0.6341	0.2994
TF4.2	DIATOM	Annual	AP	1307079	22665	24.28	317308	0.7158	0.1383
TF4.2	DIATOM	Fall	AP	1247318	24015	26.95	336210	0.8141	0.3458
TF4.2	DIATOM	SAV1	AP	1964456	10227	7.29	143175	0.5405	0.6517
TF4.2	DIATOM	SAV2	AP	2838668	44861	22.12	628052	0.5352	0.1145
TF4.2	DIATOM	Spring1	AP	1964456	-26755	-19.07	-374575	0.8063	0.3306
TF4.2	DIATOM	Spring2	AP	861869	17104	27.78	239452	0.1048	0.4977
TF4.2	DIATOM	Summer1	AP	2851118	107443	52.76	1504204	0.6785	0.0191
TF4.2	DIATOM	Summer2	AP	3212094	102990	44.89	1441856	0.8701	0.1352
TF4.2	DIATOM	Winter	AP	1040967	17568	23.63	245953	0.5884	0.6725
TF4.2	DIATOM	Annual	BP	1827780	63728	48.81	892189	0.9834	0.0019
TF4.2	DIATOM	Fall	BP	1823115	63566	48.81	889922	0.9584	0.0370
TF4.2	DIATOM	SAV1	BP	1368022	49543	50.70	693601	0.8722	0.0321
TF4.2	DIATOM	SAV2	BP	3001894	64019	29.86	896264	0.8926	0.0306
TF4.2	DIATOM	Spring1	BP	1029097	17590	23.93	246261	0.9286	0.5438
TF4.2	DIATOM	Spring2	BP	1763569	36037	28.61	504524	0.8546	0.2753
TF4.2	DIATOM	Summer1	BP	3942726	97533	34.63	1365461	0.6734	0.0882
TF4.2	DIATOM	Summer2	BP	5180621	137503	37.16	1925042	0.4765	0.1700
TF4.2	DIATOM	Winter	BP	352278	110088	437.51	1541234	0.8725	0.0597
TF4.2	DIATOM_C	Annual	AP	83876850	2274375	37.96	31841244	0.9159	0.0966
TF4.2	DIATOM_C	Fall	AP	63704429	1374674	30.21	19245438	0.8438	0.5872
TF4.2	DIATOM_C	SAV1	AP	98318003	442927	6.31	6200984	0.8432	0.7427
TF4.2	DIATOM_C	SAV2	AP	120080695	2624563	30.60	36743887	0.6331	0.1918
TF4.2	DIATOM_C	Spring1	AP	109093790	-925433	-11.88	-12956057	0.6435	0.7457
TF4.2	DIATOM_C	Spring2	AP	78215798	565398	10.12	7915571	0.4643	0.7015
TF4.2	DIATOM_C	Summer1	AP	137680161	5515208	56.08	77212918	0.7064	0.0487
TF4.2	DIATOM_C	Summer2	AP	175370480	6719002	53.64	94066028	0.4987	0.0822
TF4.2	DIATOM_C	Winter	AP	36537106	3542186	135.73	49590600	0.9385	0.2650
TF4.2	DIATOM_C	Annual	BP	111330554	2501173	31.45	35016427	0.6431	0.0499
TF4.2	DIATOM_C	Fall	BP	53798768	2386312	62.10	33408374	0.8521	0.2192
TF4.2	DIATOM_C	SAV1	BP	78380882	2396653	42.81	33553144	0.7447	0.1396
TF4.2	DIATOM_C	SAV2	BP	190724681	1743554	12.80	24409760	0.4760	0.4244
TF4.2	DIATOM_C	Spring1	BP	67501967	925118	19.19	12951646	0.8008	0.7615
TF4.2	DIATOM_C	Spring2	BP	145592180	1483150	14.26	20764101	0.7788	0.7015
TF4.2	DIATOM_C	Summer1	BP	252659590	2128522	11.79	29799310	0.2018	0.6316
TF4.2	DIATOM_C	Summer2	BP	279039744	1340215	6.72	18763007	0.1052	0.7838
TF4.2	DIATOM_C	Winter	BP	22279067	6793619	426.91	95110673	0.7799	0.0234
TF4.2	DINOFLG	Annual	AP	736	0	0.00	0	0.0475	0.8148
TF4.2	DINOFLG	Fall	AP	320	0	0.00	0	0.7031	0.8038
TF4.2	DINOFLG	SAV1	AP	448	0	0.00	0	0.0514	0.1363
TF4.2	DINOFLG	SAV2	AP	1216	0	0.00	0	0.0603	0.4602
TF4.2	DINOFLG	Spring1	AP	3594	-32	-12.47	-448	0.0885	0.0113
TF4.2	DINOFLG	Spring2	AP	3818	0	0.00	0	0.0103	0.9756
TF4.2	DINOFLG	Summer1	AP	1600	221	193.00	3088	0.2249	0.0612
TF4.2	DINOFLG	Summer2	AP	1536	73	66.66	1024	0.2739	0.3269
TF4.2	DINOFLG	Winter	AP	640	0	0.00	0	0.9175	0.8402
TF4.2	DINOFLG	Annual	BP	1280	0	0.00	0	0.8999	0.1027
TF4.2	DINOFLG	Fall	BP	320	0	0.00	0	0.6829	0.6756
TF4.2	DINOFLG	SAV1	BP	192	0	0.00	0	0.7553	0.6017
TF4.2	DINOFLG	SAV2	BP	4032	-21	-7.41	-299	0.8903	0.0612
TF4.2	DINOFLG	Spring1	BP	128	0	0.00	0	0.7037	0.2602
TF4.2	DINOFLG	Spring2	BP	16443	-12	-0.99	-163	0.7425	0.1934
TF4.2	DINOFLG	Summer1	BP	26615	-236	-12.40	-3300	0.8794	0.0685
TF4.2	DINOFLG	Summer2	BP	13500	-307	-31.86	-4301	0.7345	0.0918
TF4.2	DINOFLG	Winter	BP	1568	0	0.00	0	0.3079	0.5342
TF4.2	DINOFL_C	Annual	AP	167520	0	0.00	0	0.0607	0.9751

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF4.2	DINOFL_C	Fall	AP	9161	0	0.00	0	0.8375	0.8040
TF4.2	DINOFL_C	SAV1	AP	84092	0	0.00	0	0.1250	0.5042
TF4.2	DINOFL_C	SAV2	AP	254254	0	0.00	0	0.0547	0.3490
TF4.2	DINOFL_C	Spring1	AP	247360	-228	-1.29	-3192	0.2042	0.0841
TF4.2	DINOFL_C	Spring2	AP	346371	0	0.00	0	0.0871	0.4626
TF4.2	DINOFL_C	Summer1	AP	321641	62286	271.11	872008	0.0191	0.1217
TF4.2	DINOFL_C	Summer2	AP	638659	13740	30.12	192365	0.0248	0.5615
TF4.2	DINOFL_C	Winter	AP	89886	0	0.00	0	0.8940	0.7472
TF4.2	DINOFL_C	Annual	BP	113134	0	0.00	0	0.8910	0.5626
TF4.2	DINOFL_C	Fall	BP	94278	0	0.00	0	0.8265	0.7427
TF4.2	DINOFL_C	SAV1	BP	77277	0	0.00	0	0.9555	0.9654
TF4.2	DINOFL_C	SAV2	BP	492485	0	0.00	0	0.8771	0.4272
TF4.2	DINOFL_C	Spring1	BP	54053	0	0.00	0	0.8967	0.5009
TF4.2	DINOFL_C	Spring2	BP	772724	-199	-0.36	-2786	0.8983	0.4162
TF4.2	DINOFL_C	Summer1	BP	2145013	-21130	-13.79	-295819	0.5924	0.4711
TF4.2	DINOFL_C	Summer2	BP	1860208	-11033	-8.30	-154461	0.3937	0.6034
TF4.2	DINOFL_C	Winter	BP	182850	0	0.00	0	0.1114	1.0000
TF4.2	CYANO	Annual	AP	61949	34179	772.41	478501	0.3571	<0.0001
TF4.2	CYANO	Fall	AP	130496	23615	253.35	330607	0.5845	0.0078
TF4.2	CYANO	SAV1	AP	40093	21661	756.39	303259	0.3983	0.0001
TF4.2	CYANO	SAV2	AP	102707	32697	445.69	457753	0.2840	0.0018
TF4.2	CYANO	Spring1	AP	1819	25548	19663.37	357677	0.8664	<0.0001
TF4.2	CYANO	Spring2	AP	4288	50268	16412.27	703758	0.9921	0.0001
TF4.2	CYANO	Summer1	AP	4531825	49587	15.32	694212	0.2658	0.2010
TF4.2	CYANO	Summer2	AP	5640630	10703	2.66	149836	0.9504	0.8788
TF4.2	CYANO	Winter	AP	69831	105566	2116.44	1477924	0.7711	0.0019
TF4.2	CYANO	Annual	BP	133632	48941	512.73	685168	0.2632	<0.0001
TF4.2	CYANO	Fall	BP	94976	23807	350.92	333291	0.9549	0.0860
TF4.2	CYANO	SAV1	BP	121344	49466	570.72	692529	0.5380	0.0003
TF4.2	CYANO	SAV2	BP	589446	37868	89.94	530157	0.3337	0.0042
TF4.2	CYANO	Spring1	BP	11531	61227	7433.94	857171	0.8953	0.0001
TF4.2	CYANO	Spring2	BP	11531	53245	6464.83	745427	0.9334	0.0002
TF4.2	CYANO	Summer1	BP	4521544	17518	5.42	245247	0.3608	0.2632
TF4.2	CYANO	Summer2	BP	19588366	8320	0.59	116480	0.8373	0.8788
TF4.2	CYANO	Winter	BP	70741	133421	2640.49	1867894	0.9361	0.0001
TF4.2	CYANO_C	Annual	AP	495556	155405	439.04	2175670	0.3355	<0.0001
TF4.2	CYANO_C	Fall	AP	609454	96097	220.75	1345352	0.6599	0.0022
TF4.2	CYANO_C	SAV1	AP	124946	104494	1170.84	1462918	0.6801	<0.0001
TF4.2	CYANO_C	SAV2	AP	1214442	186094	214.53	2605320	0.1903	0.0002
TF4.2	CYANO_C	Spring1	AP	24300	109956	6334.81	1539390	0.8294	0.0001
TF4.2	CYANO_C	Spring2	AP	43134	188189	6108.05	2634650	0.7849	<0.0001
TF4.2	CYANO_C	Summer1	AP	9896241	226845	32.09	3175827	0.1294	0.0787
TF4.2	CYANO_C	Summer2	AP	15803106	114594	10.15	1604318	0.5009	0.6042
TF4.2	CYANO_C	Winter	AP	797078	447421	785.86	6263893	0.5604	0.0003
TF4.2	CYANO_C	Annual	BP	1628653	206002	177.08	2884028	0.4934	<0.0001
TF4.2	CYANO_C	Fall	BP	1430849	170657	166.98	2389196	0.9267	0.0342
TF4.2	CYANO_C	SAV1	BP	886438	244998	386.94	3429971	0.4387	0.0002
TF4.2	CYANO_C	SAV2	BP	5490770	171829	43.81	2405608	0.4472	0.0053
TF4.2	CYANO_C	Spring1	BP	133391	274825	2884.43	3847552	0.4557	0.0001
TF4.2	CYANO_C	Spring2	BP	133391	224845	2359.86	3147835	0.4370	0.0011
TF4.2	CYANO_C	Summer1	BP	12495738	123016	13.78	1722228	0.7530	0.2867
TF4.2	CYANO_C	Summer2	BP	119680226	73815	0.86	1033408	0.9890	0.6918
TF4.2	CYANO_C	Winter	BP	157696	264115	2344.77	3697610	0.3034	0.0014
TF4.2	CHLORO	Annual	AP	38244	11124	407.21	155733	0.7999	<0.0001
TF4.2	CHLORO	Fall	AP	38244	6066	222.06	84922	0.6605	0.0066
TF4.2	CHLORO	SAV1	AP	35438	7624	301.18	106733	0.9099	0.0001

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF4.2	CHLORO	SAV2	AP	100627	16802	233.76	235223	0.6038	<0.0001
TF4.2	CHLORO	Spring1	AP	19575	4482	320.58	62754	0.6124	0.0169
TF4.2	CHLORO	Spring2	AP	12310	9273	1054.61	129818	0.2114	0.0006
TF4.2	CHLORO	Summer1	AP	218256	54981	352.68	769738	0.4830	<0.0001
TF4.2	CHLORO	Summer2	AP	311152	57887	260.46	810418	0.4958	0.0005
TF4.2	CHLORO	Winter	AP	20384	14812	1017.27	207361	0.5818	0.0709
TF4.2	CHLORO	Annual	BP	49608	18128	511.60	253790	0.5538	<0.0001
TF4.2	CHLORO	Fall	BP	15998	15900	1391.48	222602	0.3911	0.0003
TF4.2	CHLORO	SAV1	BP	22960	17870	1089.63	250180	0.4352	<0.0001
TF4.2	CHLORO	SAV2	BP	82437	29049	493.33	406684	0.5206	<0.0001
TF4.2	CHLORO	Spring1	BP	19456	9557	687.67	133793	0.2644	0.0035
TF4.2	CHLORO	Spring2	BP	30653	21747	993.23	304453	0.3875	0.0008
TF4.2	CHLORO	Summer1	BP	208484	42154	283.07	590158	0.5445	0.0001
TF4.2	CHLORO	Summer2	BP	306831	34405	156.98	481665	0.3467	0.0006
TF4.2	CHLORO	Winter	BP	49050	5710	162.97	79938	0.8573	0.3767
TF4.2	CHLORO_C	Annual	AP	791369	513084	907.69	7183179	0.7069	<0.0001
TF4.2	CHLORO_C	Fall	AP	1031899	253823	344.37	3553524	0.5873	0.0012
TF4.2	CHLORO_C	SAV1	AP	565012	279151	691.69	3908113	0.4434	<0.0001
TF4.2	CHLORO_C	SAV2	AP	2401355	867020	505.48	12138280	0.4692	<0.0001
TF4.2	CHLORO_C	Spring1	AP	375083	131614	491.25	1842593	0.2736	0.0419
TF4.2	CHLORO_C	Spring2	AP	253828	242806	1339.21	3399284	0.1028	0.0029
TF4.2	CHLORO_C	Summer1	AP	7824131	4950788	885.86	69311037	0.9797	<0.0001
TF4.2	CHLORO_C	Summer2	AP	12854471	7465773	813.11	104520819	0.9524	<0.0001
TF4.2	CHLORO_C	Winter	AP	691734	350500	709.38	4906993	0.8921	0.0417
TF4.2	CHLORO_C	Annual	BP	1484829	1049239	989.30	14689342	0.4956	<0.0001
TF4.2	CHLORO_C	Fall	BP	361824	827032	3200.02	11578454	0.2766	0.0001
TF4.2	CHLORO_C	SAV1	BP	511815	966621	2644.06	13532698	0.5699	<0.0001
TF4.2	CHLORO_C	SAV2	BP	1532139	1635574	1494.51	22898040	0.7465	<0.0001
TF4.2	CHLORO_C	Spring1	BP	437510	264050	844.94	3696703	0.4834	0.0039
TF4.2	CHLORO_C	Spring2	BP	1082268	1010472	1307.13	14146603	0.5310	0.0020
TF4.2	CHLORO_C	Summer1	BP	4369158	5252452	1683.03	73534322	0.6971	<0.0001
TF4.2	CHLORO_C	Summer2	BP	8812755	4592621	729.59	64296692	0.5849	<0.0001
TF4.2	CHLORO_C	Winter	BP	1253711	630054	703.57	8820757	0.1898	0.2047
TF4.2	CRYPTO	Annual	AP	363120	34951	134.75	489316	0.8548	<0.0001
TF4.2	CRYPTO	Fall	AP	399469	39181	137.32	548539	0.8035	0.0066
TF4.2	CRYPTO	SAV1	AP	399469	29447	103.20	412254	0.4534	0.0010
TF4.2	CRYPTO	SAV2	AP	395754	41405	146.47	579667	0.5079	0.0001
TF4.2	CRYPTO	Spring1	AP	336404	13112	54.57	183563	0.6668	0.3306
TF4.2	CRYPTO	Spring2	AP	433836	25588	82.57	358229	0.3058	0.1327
TF4.2	CRYPTO	Summer1	AP	350224	65801	263.04	921218	0.8764	<0.0001
TF4.2	CRYPTO	Summer2	AP	350224	57858	231.29	810018	0.7117	0.0002
TF4.2	CRYPTO	Winter	AP	333005	44335	186.39	620693	0.6306	0.0837
TF4.2	CRYPTO	Annual	BP	181264	49616	383.21	694628	0.9855	<0.0001
TF4.2	CRYPTO	Fall	BP	136122	57239	588.70	801342	0.7676	0.0004
TF4.2	CRYPTO	SAV1	BP	231162	57376	347.49	803257	0.9493	<0.0001
TF4.2	CRYPTO	SAV2	BP	201037	53906	375.40	754688	0.8864	<0.0001
TF4.2	CRYPTO	Spring1	BP	296336	33753	159.46	472546	0.9361	0.0108
TF4.2	CRYPTO	Spring2	BP	283176	49514	244.79	693196	0.9445	0.0103
TF4.2	CRYPTO	Summer1	BP	258792	53494	289.39	748914	0.6902	0.0008
TF4.2	CRYPTO	Summer2	BP	258792	50785	274.74	710997	0.5411	0.0017
TF4.2	CRYPTO	Winter	BP	274116	48205	246.20	674864	0.6812	0.0984
TF4.2	CRYPTO_C	Annual	AP	8408878	855095	142.37	11971324	0.8183	<0.0001
TF4.2	CRYPTO_C	Fall	AP	9591239	940744	137.32	13170413	0.8035	0.0066
TF4.2	CRYPTO_C	SAV1	AP	9591239	707016	103.20	9898221	0.4534	0.0010
TF4.2	CRYPTO_C	SAV2	AP	8718511	1031304	165.60	14438255	0.4583	<0.0001
TF4.2	CRYPTO_C	Spring1	AP	8077048	314811	54.57	4407356	0.6668	0.3306

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF4.2	CRYPTO_C	Spring2	AP	8112016	638078	110.12	8933089	0.2042	0.0928
TF4.2	CRYPTO_C	Summer1	AP	7069250	1630385	322.88	22825397	0.8678	<0.0001
TF4.2	CRYPTO_C	Summer2	AP	8408878	1389180	231.29	19448523	0.7117	0.0002
TF4.2	CRYPTO_C	Winter	AP	7995450	1064488	186.39	14902834	0.6306	0.0837
TF4.2	CRYPTO_C	Annual	BP	4349904	1191287	383.41	16678023	0.9855	<0.0001
TF4.2	CRYPTO_C	Fall	BP	3268277	1374302	588.70	19240221	0.7676	0.0004
TF4.2	CRYPTO_C	SAV1	BP	5550188	1377586	347.49	19286203	0.9493	<0.0001
TF4.2	CRYPTO_C	SAV2	BP	4824641	1294289	375.57	18120047	0.8864	<0.0001
TF4.2	CRYPTO_C	Spring1	BP	7115027	810416	159.46	11345825	0.9361	0.0108
TF4.2	CRYPTO_C	Spring2	BP	6799044	1188831	244.79	16643636	0.9445	0.0103
TF4.2	CRYPTO_C	Summer1	BP	6213596	1284388	289.39	17981431	0.6902	0.0008
TF4.2	CRYPTO_C	Summer2	BP	6213596	1219359	274.74	17071027	0.5411	0.0017
TF4.2	CRYPTO_C	Winter	BP	6581513	1157391	246.20	16203476	0.6812	0.0984
TF4.2	PROCARY	Annual	AP	0.02	0.01	700.00	0.14	0.0095	<0.0001
TF4.2	PROCARY	Fall	AP	0.06	0.01	233.33	0.14	0.5357	0.0092
TF4.2	PROCARY	SAV1	AP	0.01	0.01	1400.00	0.14	0.1385	0.0001
TF4.2	PROCARY	SAV2	AP	0.02	0.00	0.00	0.00	0.0293	0.1283
TF4.2	PROCARY	Spring1	AP	0.00	0.01	0.00	0.14	0.8002	<0.0001
TF4.2	PROCARY	Spring2	AP	0.00	0.02	0.00	0.28	0.3920	0.0009
TF4.2	PROCARY	Summer1	AP	0.79	-0.01	-17.72	-0.14	0.4549	0.3376
TF4.2	PROCARY	Summer2	AP	1.00	-0.03	-42.00	-0.42	0.8375	0.1199
TF4.2	PROCARY	Winter	AP	0.04	0.05	1750.00	0.70	0.8672	0.0006
TF4.2	PROCARY	Annual	BP	0.06	0.01	233.33	0.14	0.1153	0.0003
TF4.2	PROCARY	Fall	BP	0.03	0.00	0.00	0.00	0.6414	0.1696
TF4.2	PROCARY	SAV1	BP	0.04	0.02	700.00	0.28	0.2157	0.0010
TF4.2	PROCARY	SAV2	BP	0.17	0.01	82.35	0.14	0.0511	0.0829
TF4.2	PROCARY	Spring1	BP	0.01	0.02	2800.00	0.28	0.8517	<0.0001
TF4.2	PROCARY	Spring2	BP	0.01	0.02	2800.00	0.28	0.4972	0.0005
TF4.2	PROCARY	Summer1	BP	0.91	0.00	0.00	0.00	0.3801	0.7900
TF4.2	PROCARY	Summer2	BP	2.25	-0.02	-12.44	-0.28	0.6490	0.3446
TF4.2	PROCARY	Winter	BP	0.07	0.03	600.00	0.42	0.7542	0.0100
TF4.2	PROCAR_C	Annual	AP	0.00	0.00	0.00	0.00	0.0052	<0.0001
TF4.2	PROCAR_C	Fall	AP	0.00	0.00	0.00	0.00	0.6599	0.0022
TF4.2	PROCAR_C	SAV1	AP	0.00	0.00	0.00	0.00	0.3691	<0.0001
TF4.2	PROCAR_C	SAV2	AP	0.00	0.00	0.00	0.00	0.0048	0.0612
TF4.2	PROCAR_C	Spring1	AP	0.00	0.00	0.00	0.00	0.9114	<0.0001
TF4.2	PROCAR_C	Spring2	AP	0.00	0.00	0.00	0.00	0.7846	0.0004
TF4.2	PROCAR_C	Summer1	AP	0.03	0.00	0.00	0.00	0.0794	0.3651
TF4.2	PROCAR_C	Summer2	AP	0.03	0.00	0.00	0.00	0.4178	0.0629
TF4.2	PROCAR_C	Winter	AP	0.02	0.00	0.00	0.00	0.5111	0.0039
TF4.2	PROCAR_C	Annual	BP	0.01	0.00	0.00	0.00	0.0162	0.0058
TF4.2	PROCAR_C	Fall	BP	0.01	0.00	0.00	0.00	0.8695	0.3306
TF4.2	PROCAR_C	SAV1	BP	0.01	0.00	0.00	0.00	0.0271	0.0068
TF4.2	PROCAR_C	SAV2	BP	0.02	0.00	0.00	0.00	0.0126	0.3397
TF4.2	PROCAR_C	Spring1	BP	0.00	0.00	0.00	0.00	0.2114	0.0001
TF4.2	PROCAR_C	Spring2	BP	0.00	0.00	0.00	0.00	0.1632	0.0035
TF4.2	PROCAR_C	Summer1	BP	0.06	0.00	0.00	0.00	0.1898	0.2867
TF4.2	PROCAR_C	Summer2	BP	0.16	0.00	0.00	0.00	0.3733	0.0822
TF4.2	PROCAR_C	Winter	BP	0.00	0.00	0.00	0.00	0.7419	0.0155
TF4.2	EUGLENO	Annual	AP	0	0	0.00	0	0.1731	0.2569
TF4.2	EUGLENO	Fall	AP	0	0	0.00	0	0.7239	0.6466
TF4.2	EUGLENO	SAV1	AP	0	0	0.00	0	0.7294	0.6755
TF4.2	EUGLENO	SAV2	AP	0	0	0.00	0	0.2774	0.0465
TF4.2	EUGLENO	Spring1	AP	0	0	0.00	0	0.6611	0.6369
TF4.2	EUGLENO	Spring2	AP	0	0	0.00	0	0.8274	0.8936
TF4.2	EUGLENO	Summer1	AP	1248	0	0.00	0	0.2965	0.0076

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF4.2	EUGLENO	Summer2	AP	1952	0	0.00	0	0.6369	0.0028
TF4.2	EUGLENO	Winter	AP	0	0	0.00	0	0.6256	0.0747
TF4.2	EUGLENO	Annual	BP	0	0	0.00	0	0.1781	0.0027
TF4.2	EUGLENO	Fall	BP	0	0	0.00	0	0.7125	0.7743
TF4.2	EUGLENO	SAV1	BP	0	0	0.00	0	0.2865	0.0889
TF4.2	EUGLENO	SAV2	BP	32	0	0.00	0	0.1961	0.0026
TF4.2	EUGLENO	Spring1	BP	0	0	0.00	0	0.1038	0.2655
TF4.2	EUGLENO	Spring2	BP	0	0	0.00	0	0.4573	0.5142
TF4.2	EUGLENO	Summer1	BP	704	0	0.00	0	0.4661	0.0002
TF4.2	EUGLENO	Summer2	BP	1280	-12	-12.73	-163	0.3446	0.0003
TF4.2	EUGLENO	Winter	BP	96	0	0.00	0	0.9422	0.9324
TF4.2	EUGLEN_C	Annual	AP	0	0	0.00	0	0.1696	0.3123
TF4.2	EUGLEN_C	Fall	AP	0	0	0.00	0	0.6602	0.6776
TF4.2	EUGLEN_C	SAV1	AP	0	0	0.00	0	0.7701	0.8893
TF4.2	EUGLEN_C	SAV2	AP	0	0	0.00	0	0.2584	0.0591
TF4.2	EUGLEN_C	Spring1	AP	0	0	0.00	0	0.6072	0.7970
TF4.2	EUGLEN_C	Spring2	AP	0	0	0.00	0	0.7495	0.8586
TF4.2	EUGLEN_C	Summer1	AP	1642910	0	0.00	0	0.3074	0.0093
TF4.2	EUGLEN_C	Summer2	AP	2783515	0	0.00	0	0.4906	0.0045
TF4.2	EUGLEN_C	Winter	AP	0	0	0.00	0	0.6256	0.0747
TF4.2	EUGLEN_C	Annual	BP	0	0	0.00	0	0.0650	0.0024
TF4.2	EUGLEN_C	Fall	BP	0	0	0.00	0	0.5452	0.7383
TF4.2	EUGLEN_C	SAV1	BP	0	0	0.00	0	0.2723	0.1200
TF4.2	EUGLEN_C	SAV2	BP	32347	0	0.00	0	0.0665	0.0020
TF4.2	EUGLEN_C	Spring1	BP	0	0	0.00	0	0.0868	0.3571
TF4.2	EUGLEN_C	Spring2	BP	0	0	0.00	0	0.5154	0.7186
TF4.2	EUGLEN_C	Summer1	BP	546760	-2948	-7.55	-41276	0.1767	0.0001
TF4.2	EUGLEN_C	Summer2	BP	1337473	-10288	-10.77	-144036	0.1343	0.0001
TF4.2	EUGLEN_C	Winter	BP	37452	0	0.00	0	0.9422	0.9324
TF4.2	PICO	Annual	AP	25700000	-200000	-9.34	-2400000	0.5941	0.1237
TF4.2	PICO	Fall	AP	16250000	-26875	-1.98	-322500	0.5272	0.8326
TF4.2	PICO	SAV1	AP	25700000	-186352	-8.70	-2236224	0.6358	0.4700
TF4.2	PICO	SAV2	AP	74100000	-358425	-5.80	-4301100	0.3245	0.5707
TF4.2	PICO	Spring1	AP	82200000	-567667	-8.29	-6812000	0.9285	0.0640
TF4.2	PICO	Spring2	AP	124000000	-2635733	-25.51	-31628800	0.8416	0.0190
TF4.2	PICO	Summer1	AP	101500000	1020310	12.06	12243720	0.2371	0.9440
TF4.2	PICO	Summer2	AP	66000000	3713500	67.52	44562000	0.9881	0.3254
TF4.2	PICO	Winter	AP	13310000	-237226	-21.39	-2846715	0.3828	0.1458
TF4.2	PICO	Annual	BP	24050000	-139111	-6.94	-1669333	0.4964	0.1916
TF4.2	PICO	Fall	BP	14450000	43500	3.61	522000	0.3306	0.7781
TF4.2	PICO	SAV1	BP	24050000	-150143	-7.49	-1801714	0.2390	0.3489
TF4.2	PICO	SAV2	BP	64850000	-154917	-2.87	-1859000	0.4067	0.7182
TF4.2	PICO	Spring1	BP	16400000	-304667	-22.29	-3656000	0.7257	0.0152
TF4.2	PICO	Spring2	BP	128000000	-1309500	-12.28	-15714000	0.8891	0.0437
TF4.2	PICO	Summer1	BP	93500000	123850	1.59	1486200	0.5336	0.9440
TF4.2	PICO	Summer2	BP	71000000	2883636	48.74	34603636	0.8441	0.5037
TF4.2	PICO	Winter	BP	10610000	-85730	-9.70	-1028760	0.4972	0.3828
TF4.2	PICO_C	Annual	AP	38550000	-300000	-9.34	-3600000	0.5941	0.1237
TF4.2	PICO_C	Fall	AP	24375000	-40313	-1.98	-483750	0.5272	0.8326
TF4.2	PICO_C	SAV1	AP	38550000	-279528	-8.70	-3354336	0.6358	0.4700
TF4.2	PICO_C	SAV2	AP	111150000	-537638	-5.80	-6451650	0.3245	0.5707
TF4.2	PICO_C	Spring1	AP	123300000	-851500	-8.29	-10218000	0.9285	0.0640
TF4.2	PICO_C	Spring2	AP	186000000	-3953600	-25.51	-47443200	0.8416	0.0190
TF4.2	PICO_C	Summer1	AP	152250000	1530465	12.06	18365580	0.2371	0.9440
TF4.2	PICO_C	Summer2	AP	99000000	5570250	67.52	66843000	0.9881	0.3254
TF4.2	PICO_C	Winter	AP	19965000	-355839	-21.39	-4270072	0.3828	0.1458

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF4.2	PICO_C	Annual	BP	36075000	-208667	-6.94	-2504000	0.4964	0.1916
TF4.2	PICO_C	Fall	BP	21675000	65250	3.61	783000	0.3306	0.7781
TF4.2	PICO_C	SAV1	BP	36075000	-225214	-7.49	-2702571	0.2390	0.3489
TF4.2	PICO_C	SAV2	BP	97275000	-232375	-2.87	-2788500	0.4067	0.7182
TF4.2	PICO_C	Spring1	BP	24600000	-457000	-22.29	-5484000	0.7257	0.0152
TF4.2	PICO_C	Spring2	BP	192000000	-1964250	-12.28	-23571000	0.8891	0.0437
TF4.2	PICO_C	Summer1	BP	140250000	185775	1.59	2229300	0.5336	0.9440
TF4.2	PICO_C	Summer2	BP	106500000	4325455	48.74	51905455	0.8441	0.5037
TF4.2	PICO_C	Winter	BP	15915000	-128595	-9.70	-1543140	0.4972	0.3828
TF4.2	N_SP	Annual	AP	29.00	0.00	0.00	0.00	0.6991	0.4790
TF4.2	N_SP	Fall	AP	28.50	0.43	21.12	6.02	0.9219	0.0503
TF4.2	N_SP	SAV1	AP	28.50	0.15	7.37	2.10	0.3218	0.3527
TF4.2	N_SP	SAV2	AP	30.50	0.00	0.00	0.00	0.5149	0.9375
TF4.2	N_SP	Spring1	AP	27.50	-0.25	-12.73	-3.50	0.6455	0.3424
TF4.2	N_SP	Spring2	AP	28.00	-0.22	-11.00	-3.08	0.5392	0.4061
TF4.2	N_SP	Summer1	AP	34.00	0.09	3.71	1.26	0.5157	0.6110
TF4.2	N_SP	Summer2	AP	37.00	0.09	3.41	1.26	0.3292	0.7360
TF4.2	N_SP	Winter	AP	30.00	-0.13	-6.07	-1.82	0.6156	0.7570
TF4.2	N_SP	Annual	BP	29.50	0.00	0.00	0.00	0.9111	0.9515
TF4.2	N_SP	Fall	BP	25.50	0.00	0.00	0.00	0.2393	0.9770
TF4.2	N_SP	SAV1	BP	28.00	0.00	0.00	0.00	0.4954	0.5574
TF4.2	N_SP	SAV2	BP	32.50	0.00	0.00	0.00	0.7989	0.8754
TF4.2	N_SP	Spring1	BP	26.00	0.00	0.00	0.00	0.5449	0.8541
TF4.2	N_SP	Spring2	BP	26.00	0.00	0.00	0.00	0.5423	0.8350
TF4.2	N_SP	Summer1	BP	36.50	0.08	3.07	1.12	0.8517	0.7280
TF4.2	N_SP	Summer2	BP	37.50	0.25	9.33	3.50	0.8189	0.5407
TF4.2	N_SP	Winter	BP	32.00	-0.13	-5.69	-1.82	0.7332	0.5860
TF4.2	N_GENERA	Annual	AP	24.50	0.22	12.57	3.08	0.8247	0.0375
TF4.2	N_GENERA	Fall	AP	25.00	0.45	25.20	6.30	0.9778	0.0234
TF4.2	N_GENERA	SAV1	AP	23.50	0.33	19.66	4.62	0.4681	0.0907
TF4.2	N_GENERA	SAV2	AP	26.00	0.18	9.69	2.52	0.5987	0.2094
TF4.2	N_GENERA	Spring1	AP	22.50	0.00	0.00	0.00	0.6571	0.8586
TF4.2	N_GENERA	Spring2	AP	23.50	0.00	0.00	0.00	0.4946	1.0000
TF4.2	N_GENERA	Summer1	AP	28.00	0.28	14.00	3.92	0.5584	0.1139
TF4.2	N_GENERA	Summer2	AP	30.00	0.25	11.67	3.50	0.3682	0.2090
TF4.2	N_GENERA	Winter	AP	27.00	0.00	0.00	0.00	0.5969	0.8155
TF4.2	N_GENERA	Annual	BP	24.00	0.17	9.92	2.38	0.8408	0.0501
TF4.2	N_GENERA	Fall	BP	22.00	0.11	7.00	1.54	0.1632	0.3714
TF4.2	N_GENERA	SAV1	BP	24.00	0.27	15.75	3.78	0.4715	0.0402
TF4.2	N_GENERA	SAV2	BP	27.00	0.17	8.81	2.38	0.7886	0.2175
TF4.2	N_GENERA	Spring1	BP	22.50	0.30	18.67	4.20	0.8328	0.0468
TF4.2	N_GENERA	Spring2	BP	23.00	0.25	15.22	3.50	0.5735	0.1726
TF4.2	N_GENERA	Summer1	BP	32.00	0.25	10.94	3.50	0.9731	0.3493
TF4.2	N_GENERA	Summer2	BP	32.00	0.30	13.13	4.20	0.9977	0.2983
TF4.2	N_GENERA	Winter	BP	28.00	0.00	0.00	0.00	0.4829	0.9381
TF4.2	SHANNON	Annual	AP	2.66	0.02	10.53	0.28	0.8703	0.0613
TF4.2	SHANNON	Fall	AP	2.35	0.03	17.87	0.42	0.6670	0.0556
TF4.2	SHANNON	SAV1	AP	2.48	0.02	11.29	0.28	0.9289	0.2183
TF4.2	SHANNON	SAV2	AP	2.77	0.01	5.05	0.14	0.7807	0.3598
TF4.2	SHANNON	Spring1	AP	2.36	0.02	11.86	0.28	0.5622	0.4611
TF4.2	SHANNON	Spring2	AP	2.33	0.02	12.02	0.28	0.3705	0.3306
TF4.2	SHANNON	Summer1	AP	2.91	0.01	4.81	0.14	0.4541	0.4558
TF4.2	SHANNON	Summer2	AP	3.13	0.00	0.00	0.00	0.8629	0.9271
TF4.2	SHANNON	Winter	AP	2.74	0.00	0.00	0.00	0.8611	0.8476
TF4.2	SHANNON	Annual	BP	2.37	0.03	17.72	0.42	0.9784	0.0087
TF4.2	SHANNON	Fall	BP	2.17	0.04	25.81	0.56	0.6168	0.0919

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF4.2	SHANNON	SAV1	BP	2.24	0.04	25.00	0.56	0.9451	0.0064
TF4.2	SHANNON	SAV2	BP	2.24	0.03	18.75	0.42	0.8623	0.0204
TF4.2	SHANNON	Spring1	BP	2.65	0.03	15.85	0.42	0.7352	0.1451
TF4.2	SHANNON	Spring2	BP	2.82	0.01	4.96	0.14	0.6204	0.3306
TF4.2	SHANNON	Summer1	BP	2.40	0.02	11.67	0.28	0.7400	0.1503
TF4.2	SHANNON	Summer2	BP	2.13	0.04	26.29	0.56	0.7056	0.1061
TF4.2	SHANNON	Winter	BP	2.46	0.01	5.69	0.14	0.5229	0.6173
TF4.2	EVENNESS	Annual	AP	0.55	0.00	0.00	0.00	0.8960	0.0465
TF4.2	EVENNESS	Fall	AP	0.52	0.01	26.92	0.14	0.5342	0.1451
TF4.2	EVENNESS	SAV1	AP	0.53	0.00	0.00	0.00	0.8006	0.2183
TF4.2	EVENNESS	SAV2	AP	0.55	0.00	0.00	0.00	0.8417	0.4244
TF4.2	EVENNESS	Spring1	AP	0.48	0.01	29.17	0.14	0.6318	0.1485
TF4.2	EVENNESS	Spring2	AP	0.48	0.01	29.17	0.14	0.6815	0.1658
TF4.2	EVENNESS	Summer1	AP	0.57	0.00	0.00	0.00	0.4807	0.5942
TF4.2	EVENNESS	Summer2	AP	0.59	0.00	0.00	0.00	0.7537	0.8310
TF4.2	EVENNESS	Winter	AP	0.56	0.00	0.00	0.00	0.7652	0.6173
TF4.2	EVENNESS	Annual	BP	0.51	0.00	0.00	0.00	0.9876	0.0658
TF4.2	EVENNESS	Fall	BP	0.47	0.01	29.79	0.14	0.8549	0.1985
TF4.2	EVENNESS	SAV1	BP	0.49	0.01	28.57	0.14	0.9809	0.1288
TF4.2	EVENNESS	SAV2	BP	0.46	0.00	0.00	0.00	0.9726	0.1918
TF4.2	EVENNESS	Spring1	BP	0.55	0.00	0.00	0.00	0.8335	0.3021
TF4.2	EVENNESS	Spring2	BP	0.56	0.00	0.00	0.00	0.8424	0.6162
TF4.2	EVENNESS	Summer1	BP	0.46	0.00	0.00	0.00	0.8971	0.4886
TF4.2	EVENNESS	Summer2	BP	0.40	0.01	35.00	0.14	0.8248	0.4104
TF4.2	EVENNESS	Winter	BP	0.51	0.00	0.00	0.00	0.2004	0.5135
RET4.3	TOTABUND	Annual	AP	7856296	459557	87.74	6893356	0.9615	<0.0001
RET4.3	TOTABUND	Fall	AP	4175816	593344	213.14	8900154	0.7632	0.0003
RET4.3	TOTABUND	SAV1	AP	8339663	477599	85.90	7163978	0.9012	0.0065
RET4.3	TOTABUND	SAV2	AP	8389160	562835	100.64	8442518	0.9640	0.0014
RET4.3	TOTABUND	Spring1	AP	7672078	392634	76.77	5889503	0.9499	0.1455
RET4.3	TOTABUND	Spring2	AP	6703947	388719	86.98	5830789	0.8499	0.0728
RET4.3	TOTABUND	Summer1	AP	13608090	648843	71.52	9732641	0.8688	0.0130
RET4.3	TOTABUND	Summer2	AP	13760431	745180	81.23	11177705	0.7125	0.0409
RET4.3	TOTABUND	Winter	AP	4616330	277300	84.10	3882202	0.9442	0.2078
RET4.3	TOTABUND	Annual	BP	8105578	663960	122.87	9959401	0.9778	<0.0001
RET4.3	TOTABUND	Fall	BP	3142666	466782	222.80	7001735	0.6299	0.0011
RET4.3	TOTABUND	SAV1	BP	9408893	565237	90.11	8478548	0.6573	<0.0001
RET4.3	TOTABUND	SAV2	BP	10586239	788904	111.78	11833567	0.8175	<0.0001
RET4.3	TOTABUND	Spring1	BP	9603468	573929	89.64	8608938	0.3289	0.0068
RET4.3	TOTABUND	Spring2	BP	8786555	617816	105.47	9267233	0.3130	0.0020
RET4.3	TOTABUND	Summer1	BP	13539829	1082605	119.94	16239072	0.9884	0.0002
RET4.3	TOTABUND	Summer2	BP	15192981	1410985	139.31	21164781	0.9887	0.0024
RET4.3	TOTABUND	Winter	BP	5474828	616795	157.72	8635131	0.9442	0.0500
RET4.3	TOTBMASS	Annual	AP	360139958	19585946	81.58	293789195	0.9803	<0.0001
RET4.3	TOTBMASS	Fall	AP	96109439	28034959	437.55	420524390	0.8165	0.0006
RET4.3	TOTBMASS	SAV1	AP	236093704	19129672	121.54	286945081	0.9294	0.0037
RET4.3	TOTBMASS	SAV2	AP	368232285	17615795	71.76	264236918	0.9880	0.0068
RET4.3	TOTBMASS	Spring1	AP	385920530	11989041	46.60	179835621	0.8903	0.1455
RET4.3	TOTBMASS	Spring2	AP	249738342	13174782	79.13	197621733	0.8123	0.1024
RET4.3	TOTBMASS	Summer1	AP	449273393	20787889	69.41	311818329	0.9516	0.0403
RET4.3	TOTBMASS	Summer2	AP	454404828	16851855	55.63	252777825	0.8983	0.1090
RET4.3	TOTBMASS	Winter	AP	235900518	14663683	87.02	205291559	0.8887	0.2341
RET4.3	TOTBMASS	Annual	BP	414392381	27355956	99.02	410339340	0.6312	<0.0001
RET4.3	TOTBMASS	Fall	BP	69788343	27837124	598.32	417556862	0.5130	0.0001
RET4.3	TOTBMASS	SAV1	BP	323900170	26729128	123.78	400936914	0.4925	0.0002
RET4.3	TOTBMASS	SAV2	BP	453749080	30338184	100.29	455072753	0.8578	<0.0001

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET4.3	TOTBMASS	Spring1	BP	469693090	23655857	75.55	354837853	0.2309	0.0573
RET4.3	TOTBMASS	Spring2	BP	406821018	31431736	115.89	471476038	0.3994	0.0048
RET4.3	TOTBMASS	Summer1	BP	506872312	30994204	91.72	464913065	0.9687	0.0008
RET4.3	TOTBMASS	Summer2	BP	506872312	28860855	85.41	432912818	0.8966	0.0048
RET4.3	TOTBMASS	Winter	BP	446940942	15775073	49.41	220851026	0.7795	0.4414
RET4.3	RATIO	Annual	AP	33.14	0.49	22.18	7.35	0.9079	0.0917
RET4.3	RATIO	Fall	AP	23.80	0.81	51.05	12.15	0.8903	0.1070
RET4.3	RATIO	SAV1	AP	23.80	0.48	30.25	7.20	0.8704	0.1624
RET4.3	RATIO	SAV2	AP	32.44	0.21	9.71	3.15	0.8697	0.5130
RET4.3	RATIO	Spring1	AP	39.09	0.10	3.84	1.50	0.8760	0.8353
RET4.3	RATIO	Spring2	AP	38.75	0.07	2.71	1.05	0.8643	0.8513
RET4.3	RATIO	Summer1	AP	35.01	0.17	7.28	2.55	0.5378	0.7175
RET4.3	RATIO	Summer2	AP	33.14	0.18	8.15	2.70	0.3588	0.6190
RET4.3	RATIO	Winter	AP	46.11	1.79	54.35	25.06	0.3629	0.1616
RET4.3	RATIO	Annual	BP	33.45	0.40	17.94	6.00	0.5834	0.2110
RET4.3	RATIO	Fall	BP	27.05	1.09	60.44	16.35	0.3205	0.0544
RET4.3	RATIO	SAV1	BP	29.18	0.39	20.05	5.85	0.5453	0.4013
RET4.3	RATIO	SAV2	BP	36.59	0.31	12.71	4.65	0.8183	0.3514
RET4.3	RATIO	Spring1	BP	62.89	-0.12	-2.86	-1.80	0.2949	0.8513
RET4.3	RATIO	Spring2	BP	59.84	0.13	3.26	1.95	0.4793	0.8683
RET4.3	RATIO	Summer1	BP	39.52	0.26	9.87	3.90	0.5307	0.5790
RET4.3	RATIO	Summer2	BP	33.76	0.43	19.11	6.45	0.5656	0.3199
RET4.3	RATIO	Winter	BP	72.03	0.04	0.78	0.56	1.0000	0.9442
RET4.3	MARGALEF	Annual	AP	1.57	0.00	0.00	0.00	0.0777	0.8186
RET4.3	MARGALEF	Fall	AP	1.35	0.01	11.11	0.15	0.9271	0.1070
RET4.3	MARGALEF	SAV1	AP	1.50	0.02	20.00	0.30	0.3623	0.0608
RET4.3	MARGALEF	SAV2	AP	1.55	0.00	0.00	0.00	0.3584	0.6584
RET4.3	MARGALEF	Spring1	AP	1.61	0.02	18.63	0.30	0.0997	0.1070
RET4.3	MARGALEF	Spring2	AP	1.61	0.00	0.00	0.00	0.1471	0.9360
RET4.3	MARGALEF	Summer1	AP	1.77	-0.02	-16.95	-0.30	0.7502	0.1691
RET4.3	MARGALEF	Summer2	AP	1.72	-0.02	-17.44	-0.30	0.5461	0.2459
RET4.3	MARGALEF	Winter	AP	1.71	-0.04	-32.75	-0.56	0.1616	0.0802
RET4.3	MARGALEF	Annual	BP	1.70	-0.01	-8.82	-0.15	0.6352	0.3696
RET4.3	MARGALEF	Fall	BP	1.76	0.00	0.00	0.00	0.1099	0.8353
RET4.3	MARGALEF	SAV1	BP	1.70	-0.01	-8.82	-0.15	0.6643	0.1129
RET4.3	MARGALEF	SAV2	BP	1.67	-0.01	-8.98	-0.15	0.5769	0.1322
RET4.3	MARGALEF	Spring1	BP	1.70	-0.01	-8.82	-0.15	0.6020	0.1895
RET4.3	MARGALEF	Spring2	BP	1.50	0.00	0.00	0.00	0.1912	0.6584
RET4.3	MARGALEF	Summer1	BP	1.71	-0.01	-8.77	-0.15	0.5713	0.7538
RET4.3	MARGALEF	Summer2	BP	1.84	-0.02	-16.30	-0.30	0.9349	0.3475
RET4.3	MARGALEF	Winter	BP	1.96	-0.02	-14.29	-0.28	0.6242	0.6745
RET4.3	DIATOM	Annual	AP	4502231	203767	67.89	3056501	0.6861	0.0001
RET4.3	DIATOM	Fall	AP	2207451	326186	221.65	4892783	0.7289	0.0003
RET4.3	DIATOM	SAV1	AP	4502231	211809	70.57	3177128	0.7505	0.0112
RET4.3	DIATOM	SAV2	AP	5555552	249913	67.48	3748689	0.7944	0.0084
RET4.3	DIATOM	Spring1	AP	4502231	181925	60.61	2728882	0.6868	0.1455
RET4.3	DIATOM	Spring2	AP	4422012	158314	53.70	2374717	0.9435	0.2964
RET4.3	DIATOM	Summer1	AP	7276362	325334	67.07	4880010	0.6223	0.0403
RET4.3	DIATOM	Summer2	AP	8683391	398960	68.92	5984405	0.4253	0.0603
RET4.3	DIATOM	Winter	AP	3977549	33386	11.75	467403	0.3629	0.6745
RET4.3	DIATOM	Annual	BP	5551004	365253	98.70	5478789	0.8994	<0.0001
RET4.3	DIATOM	Fall	BP	1511130	319497	317.14	4792461	0.7820	0.0001
RET4.3	DIATOM	SAV1	BP	4931616	315030	95.82	4725454	0.6412	0.0004
RET4.3	DIATOM	SAV2	BP	6361726	454499	107.16	6817482	0.7849	0.0001
RET4.3	DIATOM	Spring1	BP	4931616	313897	95.48	4708462	0.5288	0.0392
RET4.3	DIATOM	Spring2	BP	5710246	291543	76.58	4373148	0.5599	0.0271

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET4.3	DIATOM	Summer1	BP	11978649	623452	78.07	9351773	0.9358	0.0193
RET4.3	DIATOM	Summer2	BP	13834289	753965	81.75	11309471	0.8110	0.0409
RET4.3	DIATOM	Winter	BP	4794694	240740	70.29	3370357	0.8337	0.2628
RET4.3	DIATOM_C	Annual	AP	185043140	11843695	96.01	177655420	0.6762	<0.0001
RET4.3	DIATOM_C	Fall	AP	40532697	19145527	708.52	287182898	0.4166	0.0001
RET4.3	DIATOM_C	SAV1	AP	122992779	12434692	151.65	186520373	0.9711	0.0014
RET4.3	DIATOM_C	SAV2	AP	185043140	7811686	63.32	117175288	0.9132	0.0127
RET4.3	DIATOM_C	Spring1	AP	122992779	11408796	139.14	171131940	0.9048	0.0330
RET4.3	DIATOM_C	Spring2	AP	122992779	7541491	91.97	113122371	0.7430	0.0916
RET4.3	DIATOM_C	Summer1	AP	310061415	6050552	29.27	90758286	0.8894	0.2372
RET4.3	DIATOM_C	Summer2	AP	310061415	6676160	32.30	100142396	0.7396	0.2691
RET4.3	DIATOM_C	Winter	AP	206260591	5769992	39.16	80779885	0.6745	0.4414
RET4.3	DIATOM_C	Annual	BP	316044455	21186770	100.56	317801556	0.3848	<0.0001
RET4.3	DIATOM_C	Fall	BP	34355963	23301240	1017.34	349518593	0.6437	<0.0001
RET4.3	DIATOM_C	SAV1	BP	242952776	21519391	132.86	322790858	0.4050	<0.0001
RET4.3	DIATOM_C	SAV2	BP	321142232	25286986	118.11	379304784	0.7180	<0.0001
RET4.3	DIATOM_C	Spring1	BP	353925980	18769956	79.55	281549340	0.1853	0.0301
RET4.3	DIATOM_C	Spring2	BP	313363566	25130109	120.29	376951637	0.4566	0.0028
RET4.3	DIATOM_C	Summer1	BP	459793378	31010868	101.17	465163018	0.9108	0.0055
RET4.3	DIATOM_C	Summer2	BP	459793378	28135625	91.79	422034375	0.7776	0.0203
RET4.3	DIATOM_C	Winter	BP	420215883	4776656	15.91	66873188	0.5756	0.7264
RET4.3	DINOFLG	Annual	AP	175108	-96	-0.82	-1440	0.9792	0.8185
RET4.3	DINOFLG	Fall	AP	47676	2410	75.84	36157	0.6269	0.5157
RET4.3	DINOFLG	SAV1	AP	95158	85	1.34	1276	0.9066	0.8397
RET4.3	DINOFLG	SAV2	AP	175108	-205	-1.75	-3072	0.9166	0.8044
RET4.3	DINOFLG	Spring1	AP	879819	-5458	-9.31	-81870	0.9953	0.5498
RET4.3	DINOFLG	Spring2	AP	191681	0	0.00	0	0.6065	1.0000
RET4.3	DINOFLG	Summer1	AP	248080	-180	-1.09	-2693	0.6783	0.8469
RET4.3	DINOFLG	Summer2	AP	360158	-2555	-10.64	-38320	0.8456	0.4896
RET4.3	DINOFLG	Winter	AP	329185	-1746	-7.43	-24450	0.5994	0.6997
RET4.3	DINOFLG	Annual	BP	99917	-1841	-27.64	-27614	0.7236	0.0366
RET4.3	DINOFLG	Fall	BP	62659	-2285	-54.70	-34277	0.3317	0.1344
RET4.3	DINOFLG	SAV1	BP	69997	-2822	-60.48	-42335	0.8819	0.0076
RET4.3	DINOFLG	SAV2	BP	76346	-1457	-28.62	-21854	0.6103	0.1309
RET4.3	DINOFLG	Spring1	BP	229925	-3271	-21.34	-49065	0.6980	0.0906
RET4.3	DINOFLG	Spring2	BP	100749	-2457	-36.58	-36852	0.4175	0.3317
RET4.3	DINOFLG	Summer1	BP	92935	-85	-1.38	-1280	0.3605	0.5135
RET4.3	DINOFLG	Summer2	BP	76346	-461	-9.05	-6912	0.2577	0.3601
RET4.3	DINOFLG	Winter	BP	85643	-27	-0.44	-373	0.5274	0.8332
RET4.3	DINOFL_C	Annual	AP	26331560	323833	18.45	4857494	0.9714	0.1728
RET4.3	DINOFL_C	Fall	AP	3004831	378508	188.95	5677614	0.4695	0.3105
RET4.3	DINOFL_C	SAV1	AP	8654128	471534	81.73	7073003	0.8421	0.1180
RET4.3	DINOFL_C	SAV2	AP	26331560	268812	15.31	4032173	0.9091	0.4158
RET4.3	DINOFL_C	Spring1	AP	85899159	294705	5.15	4420578	0.9215	0.7353
RET4.3	DINOFL_C	Spring2	AP	28645503	404597	21.19	6068948	0.8562	0.6297
RET4.3	DINOFL_C	Summer1	AP	33791860	635556	28.21	9533341	0.5953	0.4400
RET4.3	DINOFL_C	Summer2	AP	31292685	248708	11.92	3730622	0.4092	0.5995
RET4.3	DINOFL_C	Winter	AP	21878603	179956	11.52	2519379	0.6987	0.5510
RET4.3	DINOFL_C	Annual	BP	3546215	0	0.00	0	0.6470	0.7638
RET4.3	DINOFL_C	Fall	BP	1700782	43082	38.00	646223	0.2802	0.4785
RET4.3	DINOFL_C	SAV1	BP	8392980	-87280	-15.60	-1309198	0.8507	0.0980
RET4.3	DINOFL_C	SAV2	BP	3546215	-22133	-9.36	-331999	0.5446	0.4502
RET4.3	DINOFL_C	Spring1	BP	36865498	-205224	-8.35	-3078358	0.6616	0.0719
RET4.3	DINOFL_C	Spring2	BP	16471206	-99657	-9.08	-1494850	0.1666	0.2555
RET4.3	DINOFL_C	Summer1	BP	3546215	49972	21.14	749574	0.7086	0.7531
RET4.3	DINOFL_C	Summer2	BP	5265907	0	0.00	0	0.7051	0.8897

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET4.3	DINOFL_C	Winter	BP	11813754	6373	0.76	89227	0.6994	0.8608
RET4.3	CYANO	Annual	AP	225884	71965	477.89	1079469	0.9571	<0.0001
RET4.3	CYANO	Fall	AP	625391	140673	337.41	2110101	0.4542	0.0036
RET4.3	CYANO	SAV1	AP	381557	78899	310.17	1183482	0.8315	<0.0001
RET4.3	CYANO	SAV2	AP	283829	120529	636.98	1807940	0.8362	<0.0001
RET4.3	CYANO	Spring1	AP	57360	43223	1130.30	648339	0.8904	0.0001
RET4.3	CYANO	Spring2	AP	57472	69579	1815.99	1043685	0.9426	0.0001
RET4.3	CYANO	Summer1	AP	437528	124605	427.19	1869075	0.7947	0.0024
RET4.3	CYANO	Summer2	AP	784050	155598	297.68	2333963	0.8269	0.0252
RET4.3	CYANO	Winter	AP	52539	39563	1054.24	553884	0.4231	0.0128
RET4.3	CYANO	Annual	BP	163902	72630	664.70	1089446	0.9984	<0.0001
RET4.3	CYANO	Fall	BP	378730	36680	145.27	550193	0.6282	0.0026
RET4.3	CYANO	SAV1	BP	274785	57440	313.55	861600	0.9463	<0.0001
RET4.3	CYANO	SAV2	BP	146504	117553	1203.58	1763300	0.9773	<0.0001
RET4.3	CYANO	Spring1	BP	63591	56218	1326.08	843264	0.7758	0.0009
RET4.3	CYANO	Spring2	BP	91239	84949	1396.59	1274232	0.8037	0.0015
RET4.3	CYANO	Summer1	BP	149811	198631	1988.82	2979472	0.9344	0.0001
RET4.3	CYANO	Summer2	BP	133478	200986	2258.65	3014794	0.8101	0.0005
RET4.3	CYANO	Winter	BP	112322	65165	812.23	912312	0.8337	0.0051
RET4.3	CYANO_C	Annual	AP	1821944	398074	327.73	5971109	0.9750	<0.0001
RET4.3	CYANO_C	Fall	AP	9335945	459630	73.85	6894445	0.6868	0.0254
RET4.3	CYANO_C	SAV1	AP	1292367	396770	460.52	5951556	0.8501	<0.0001
RET4.3	CYANO_C	SAV2	AP	1821944	824227	678.58	12363407	0.9831	<0.0001
RET4.3	CYANO_C	Spring1	AP	480354	267601	835.64	4014011	0.7581	0.0003
RET4.3	CYANO_C	Spring2	AP	641815	445282	1040.68	6679229	0.8818	0.0008
RET4.3	CYANO_C	Summer1	AP	4785685	1177430	369.05	17661446	0.8809	0.0019
RET4.3	CYANO_C	Summer2	AP	7621253	1407353	276.99	21110289	0.8866	0.0175
RET4.3	CYANO_C	Winter	AP	1609254	110331	95.98	1544639	0.3831	0.0456
RET4.3	CYANO_C	Annual	BP	1684269	391447	348.62	5871704	0.8997	<0.0001
RET4.3	CYANO_C	Fall	BP	2123253	207480	146.58	3112197	0.5444	0.0126
RET4.3	CYANO_C	SAV1	BP	1972959	321051	244.09	4815763	0.8821	0.0001
RET4.3	CYANO_C	SAV2	BP	1533975	806882	789.01	12103227	0.7358	<0.0001
RET4.3	CYANO_C	Spring1	BP	981316	398013	608.39	5970202	0.8376	0.0021
RET4.3	CYANO_C	Spring2	BP	1533975	493826	482.89	7407395	0.7831	0.0013
RET4.3	CYANO_C	Summer1	BP	1874771	1284727	1027.91	19270910	0.3714	0.0001
RET4.3	CYANO_C	Summer2	BP	1563481	1333145	1279.02	19997176	0.2157	0.0011
RET4.3	CYANO_C	Winter	BP	1937109	164287	118.73	2300016	0.8887	0.0588
RET4.3	CHLORO	Annual	AP	128	26091	305756.84	391369	0.7817	<0.0001
RET4.3	CHLORO	Fall	AP	128	23250	272465.27	348756	0.7486	<0.0001
RET4.3	CHLORO	SAV1	AP	0	25447	0.00	381707	0.6647	<0.0001
RET4.3	CHLORO	SAV2	AP	15065	32043	3190.55	480640	0.7790	<0.0001
RET4.3	CHLORO	Spring1	AP	0	29683	0.00	445244	0.3099	<0.0001
RET4.3	CHLORO	Spring2	AP	15065	37856	3769.37	567837	0.3127	<0.0001
RET4.3	CHLORO	Summer1	AP	29350	33178	1695.67	497670	0.8210	<0.0001
RET4.3	CHLORO	Summer2	AP	42480	26491	935.42	397364	0.7383	0.0006
RET4.3	CHLORO	Winter	AP	0	12913	0.00	180780	0.2029	0.0133
RET4.3	CHLORO	Annual	BP	27450	17039	931.08	255578	0.3535	<0.0001
RET4.3	CHLORO	Fall	BP	50294	6794	202.63	101909	0.7650	0.0383
RET4.3	CHLORO	SAV1	BP	47524	11907	375.83	178608	0.1563	0.0001
RET4.3	CHLORO	SAV2	BP	1536	19087	18639.48	286302	0.0907	<0.0001
RET4.3	CHLORO	Spring1	BP	23655	31957	2026.51	479361	0.2630	<0.0001
RET4.3	CHLORO	Spring2	BP	896	50890	85195.40	763351	0.9404	<0.0001
RET4.3	CHLORO	Summer1	BP	384	20384	79625.00	305760	0.1140	0.0005
RET4.3	CHLORO	Summer2	BP	15008	7609	760.46	114129	0.4282	0.0456
RET4.3	CHLORO	Winter	BP	15081	18131	1683.20	253835	0.8078	0.0023
RET4.3	CHLORO_C	Annual	AP	1404	667843	713426.56	10017650	0.8422	<0.0001

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET4.3	CHLORO_C	Fall	AP	1404	564956	603516.95	8474344	0.6865	<0.0001
RET4.3	CHLORO_C	SAV1	AP	0	752970	0.00	11294546	0.6351	<0.0001
RET4.3	CHLORO_C	SAV2	AP	178419	775079	6516.23	11626183	0.7135	<0.0001
RET4.3	CHLORO_C	Spring1	AP	0	1015149	0.00	15227232	0.2480	0.0001
RET4.3	CHLORO_C	Spring2	AP	178419	857236	7206.94	12858541	0.2571	0.0001
RET4.3	CHLORO_C	Summer1	AP	515615	814508	2369.52	12217623	0.8807	<0.0001
RET4.3	CHLORO_C	Summer2	AP	601757	819837	2043.61	12297559	0.7259	<0.0001
RET4.3	CHLORO_C	Winter	AP	0	359466	0.00	5032517	0.3220	0.0133
RET4.3	CHLORO_C	Annual	BP	384126	404061	1577.84	6060914	0.5901	<0.0001
RET4.3	CHLORO_C	Fall	BP	779526	152538	293.52	2288070	0.7695	0.0196
RET4.3	CHLORO_C	SAV1	BP	831048	312727	564.46	4690909	0.2454	<0.0001
RET4.3	CHLORO_C	SAV2	BP	10071	472571	70385.63	7088565	0.1915	<0.0001
RET4.3	CHLORO_C	Spring1	BP	510261	914810	2689.24	13722155	0.5067	<0.0001
RET4.3	CHLORO_C	Spring2	BP	5807	1546455	399438.48	23196831	0.9886	<0.0001
RET4.3	CHLORO_C	Summer1	BP	2484	559429	337754.45	8391442	0.2114	0.0002
RET4.3	CHLORO_C	Summer2	BP	327535	313855	1437.35	4707831	0.4635	0.0197
RET4.3	CHLORO_C	Winter	BP	339311	389389	1606.62	5451445	0.8052	0.0106
RET4.3	CRYPTO	Annual	AP	902861	66176	109.94	992646	0.8567	<0.0001
RET4.3	CRYPTO	Fall	AP	1079572	87077	120.99	1306149	0.3401	0.0193
RET4.3	CRYPTO	SAV1	AP	750318	80179	160.29	1202686	0.7183	<0.0001
RET4.3	CRYPTO	SAV2	AP	1030485	70951	103.28	1064262	0.7927	0.0008
RET4.3	CRYPTO	Spring1	AP	935680	59131	94.79	886960	0.9655	0.0093
RET4.3	CRYPTO	Spring2	AP	935680	52705	84.49	790580	0.7386	0.0573
RET4.3	CRYPTO	Summer1	AP	900639	86204	143.57	1293059	0.4701	0.0055
RET4.3	CRYPTO	Summer2	AP	842840	90852	161.69	1362784	0.4934	0.0034
RET4.3	CRYPTO	Winter	AP	223816	31799	198.91	445187	0.3629	0.2628
RET4.3	CRYPTO	Annual	BP	663591	65666	148.43	984987	0.9509	<0.0001
RET4.3	CRYPTO	Fall	BP	663591	60384	136.49	905761	0.4542	0.0962
RET4.3	CRYPTO	SAV1	BP	672591	63398	141.39	950976	0.8551	0.0024
RET4.3	CRYPTO	SAV2	BP	873677	57364	98.49	860463	0.8002	0.0011
RET4.3	CRYPTO	Spring1	BP	661695	96621	219.03	1449312	0.9965	0.0035
RET4.3	CRYPTO	Spring2	BP	624845	89348	214.49	1340219	0.9883	0.0041
RET4.3	CRYPTO	Summer1	BP	879207	50047	85.38	750703	0.6090	0.0148
RET4.3	CRYPTO	Summer2	BP	879207	41450	70.72	621748	0.4299	0.0531
RET4.3	CRYPTO	Winter	BP	306148	53393	244.16	747497	0.8337	0.0173
RET4.3	CRYPTO_C	Annual	AP	21677693	1588895	109.94	23833430	0.8567	<0.0001
RET4.3	CRYPTO_C	Fall	AP	25920512	2090709	120.99	31360633	0.3401	0.0193
RET4.3	CRYPTO_C	SAV1	AP	18015135	1925099	160.29	28876489	0.7183	<0.0001
RET4.3	CRYPTO_C	SAV2	AP	24741945	1703530	103.28	25552943	0.7927	0.0008
RET4.3	CRYPTO_C	Spring1	AP	22465665	1419728	94.79	21295914	0.9655	0.0093
RET4.3	CRYPTO_C	Spring2	AP	22465665	1265455	84.49	18981821	0.7386	0.0573
RET4.3	CRYPTO_C	Summer1	AP	21624330	2069756	143.57	31046341	0.4701	0.0055
RET4.3	CRYPTO_C	Summer2	AP	20236588	2181363	161.69	32720448	0.4934	0.0034
RET4.3	CRYPTO_C	Winter	AP	5373810	776803	202.37	10875242	0.3629	0.2628
RET4.3	CRYPTO_C	Annual	BP	15932808	1576637	148.43	23649548	0.9486	<0.0001
RET4.3	CRYPTO_C	Fall	BP	15932808	1449821	136.49	21747318	0.4542	0.0962
RET4.3	CRYPTO_C	SAV1	BP	16148898	1522196	141.39	22832934	0.8449	0.0021
RET4.3	CRYPTO_C	SAV2	BP	20976985	1377315	98.49	20659723	0.8002	0.0011
RET4.3	CRYPTO_C	Spring1	BP	15887285	2319865	219.03	34797981	0.9999	0.0030
RET4.3	CRYPTO_C	Spring2	BP	15002528	2145243	214.49	32178648	0.9883	0.0041
RET4.3	CRYPTO_C	Summer1	BP	21109748	1201625	85.38	18024381	0.6090	0.0148
RET4.3	CRYPTO_C	Summer2	BP	21109748	995211	70.72	14928170	0.4299	0.0531
RET4.3	CRYPTO_C	Winter	BP	7350601	1281958	244.16	17947411	0.8337	0.0173
RET4.3	PROCARY	Annual	AP	0.05	0.01	300.00	0.15	0.8589	<0.0001
RET4.3	PROCARY	Fall	AP	0.34	0.01	44.12	0.15	0.7820	0.2985
RET4.3	PROCARY	SAV1	AP	0.06	0.01	250.00	0.15	0.4638	0.0003

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET4.3	PROCARY	SAV2	AP	0.04	0.01	375.00	0.15	0.7826	0.0001
RET4.3	PROCARY	Spring1	AP	0.01	0.01	1500.00	0.15	0.7912	0.0001
RET4.3	PROCARY	Spring2	AP	0.01	0.01	1500.00	0.15	0.7487	0.0002
RET4.3	PROCARY	Summer1	AP	0.05	0.01	300.00	0.15	0.8818	0.0249
RET4.3	PROCARY	Summer2	AP	0.05	0.01	300.00	0.15	0.9975	0.1218
RET4.3	PROCARY	Winter	AP	0.04	0.00	0.00	0.00	0.7036	0.0188
RET4.3	PROCARY	Annual	BP	0.03	0.01	500.00	0.15	0.9934	<0.0001
RET4.3	PROCARY	Fall	BP	0.09	0.00	0.00	0.00	0.9271	0.0962
RET4.3	PROCARY	SAV1	BP	0.06	0.00	0.00	0.00	0.9568	0.0030
RET4.3	PROCARY	SAV2	BP	0.01	0.01	1500.00	0.15	0.9346	0.0003
RET4.3	PROCARY	Spring1	BP	0.00	0.01	0.00	0.15	0.8291	0.0094
RET4.3	PROCARY	Spring2	BP	0.01	0.01	1500.00	0.15	0.9227	0.0202
RET4.3	PROCARY	Summer1	BP	0.01	0.01	1500.00	0.15	0.6551	0.0035
RET4.3	PROCARY	Summer2	BP	0.01	0.01	1500.00	0.15	0.4458	0.0110
RET4.3	PROCARY	Winter	BP	0.03	0.00	0.00	0.00	0.8887	0.0424
RET4.3	PROCAR_C	Annual	AP	0.01	0.00	0.00	0.00	0.8511	0.0015
RET4.3	PROCAR_C	Fall	AP	0.06	0.00	0.00	0.00	0.6649	0.7159
RET4.3	PROCAR_C	SAV1	AP	0.01	0.00	0.00	0.00	0.5965	0.0049
RET4.3	PROCAR_C	SAV2	AP	0.01	0.00	0.00	0.00	0.9228	0.0049
RET4.3	PROCAR_C	Spring1	AP	0.00	0.00	0.00	0.00	0.9386	0.0011
RET4.3	PROCAR_C	Spring2	AP	0.00	0.00	0.00	0.00	0.7866	0.0094
RET4.3	PROCAR_C	Summer1	AP	0.01	0.00	0.00	0.00	0.9087	0.1411
RET4.3	PROCAR_C	Summer2	AP	0.01	0.00	0.00	0.00	0.7801	0.2459
RET4.3	PROCAR_C	Winter	AP	0.03	0.00	0.00	0.00	0.5069	0.2196
RET4.3	PROCAR_C	Annual	BP	0.00	0.00	0.00	0.00	0.4643	0.0060
RET4.3	PROCAR_C	Fall	BP	0.02	0.00	0.00	0.00	0.4705	1.0000
RET4.3	PROCAR_C	SAV1	BP	0.01	0.00	0.00	0.00	0.4717	0.0703
RET4.3	PROCAR_C	SAV2	BP	0.00	0.00	0.00	0.00	0.4875	0.0198
RET4.3	PROCAR_C	Spring1	BP	0.00	0.00	0.00	0.00	0.7637	0.0127
RET4.3	PROCAR_C	Spring2	BP	0.00	0.00	0.00	0.00	0.8694	0.0865
RET4.3	PROCAR_C	Summer1	BP	0.00	0.00	0.00	0.00	0.1627	0.1060
RET4.3	PROCAR_C	Summer2	BP	0.00	0.00	0.00	0.00	0.0792	0.1357
RET4.3	PROCAR_C	Winter	BP	0.01	0.00	0.00	0.00	0.5756	0.1416
RET4.3	EUGLENO	Annual	AP	0	0	0.00	0	0.6538	0.6818
RET4.3	EUGLENO	Fall	AP	0	0	0.00	0	0.6229	0.1163
RET4.3	EUGLENO	SAV1	AP	0	0	0.00	0	0.3515	0.5634
RET4.3	EUGLENO	SAV2	AP	0	0	0.00	0	0.9430	0.8466
RET4.3	EUGLENO	Spring1	AP	0	0	0.00	0	0.1993	0.1953
RET4.3	EUGLENO	Spring2	AP	0	0	0.00	0	0.6696	0.8217
RET4.3	EUGLENO	Summer1	AP	128	0	0.00	0	0.8463	0.7712
RET4.3	EUGLENO	Summer2	AP	256	0	0.00	0	0.8013	0.5852
RET4.3	EUGLENO	Winter	AP	320	0	0.00	0	0.7192	0.4898
RET4.3	EUGLENO	Annual	BP	0	0	0.00	0	0.9543	0.0021
RET4.3	EUGLENO	Fall	BP	0	0	0.00	0	0.8434	0.0307
RET4.3	EUGLENO	SAV1	BP	0	0	0.00	0	0.7479	0.0088
RET4.3	EUGLENO	SAV2	BP	0	0	0.00	0	0.9792	0.1835
RET4.3	EUGLENO	Spring1	BP	0	0	0.00	0	0.3335	0.0970
RET4.3	EUGLENO	Spring2	BP	0	0	0.00	0	0.6889	0.5584
RET4.3	EUGLENO	Summer1	BP	0	0	0.00	0	0.9661	0.3340
RET4.3	EUGLENO	Summer2	BP	0	0	0.00	0	0.8938	0.3505
RET4.3	EUGLENO	Winter	BP	128	0	0.00	0	0.4648	0.1341
RET4.3	EUGLEN_C	Annual	AP	0	0	0.00	0	0.7837	0.4404
RET4.3	EUGLEN_C	Fall	AP	0	0	0.00	0	0.6268	0.1238
RET4.3	EUGLEN_C	SAV1	AP	0	0	0.00	0	0.5534	0.7467
RET4.3	EUGLEN_C	SAV2	AP	0	0	0.00	0	0.9613	0.9315
RET4.3	EUGLEN_C	Spring1	AP	0	0	0.00	0	0.3231	0.3186

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET4.3	EUGLEN_C	Spring2	AP	0	0	0.00	0	0.6696	0.8217
RET4.3	EUGLEN_C	Summer1	AP	5928	0	0.00	0	0.8918	0.8741
RET4.3	EUGLEN_C	Summer2	AP	11855	0	0.00	0	0.8435	0.6939
RET4.3	EUGLEN_C	Winter	AP	63297	0	0.00	0	0.8182	0.2662
RET4.3	EUGLEN_C	Annual	BP	0	0	0.00	0	0.9921	0.0015
RET4.3	EUGLEN_C	Fall	BP	0	0	0.00	0	0.9241	0.0307
RET4.3	EUGLEN_C	SAV1	BP	0	0	0.00	0	0.9301	0.0096
RET4.3	EUGLEN_C	SAV2	BP	0	0	0.00	0	0.9973	0.0875
RET4.3	EUGLEN_C	Spring1	BP	0	0	0.00	0	0.5628	0.0788
RET4.3	EUGLEN_C	Spring2	BP	0	0	0.00	0	0.8280	0.3547
RET4.3	EUGLEN_C	Summer1	BP	0	0	0.00	0	0.9893	0.2126
RET4.3	EUGLEN_C	Summer2	BP	0	0	0.00	0	0.9568	0.2441
RET4.3	EUGLEN_C	Winter	BP	5928	0	0.00	0	0.3790	0.2074
RET4.3	PICO	Annual	AP	56900000	-558573	-11.78	-6702880	0.7833	0.0120
RET4.3	PICO	Fall	AP	25450000	-475667	-22.43	-5708000	0.8833	0.4384
RET4.3	PICO	SAV1	AP	56900000	-354957	-7.49	-4259486	0.6504	0.2261
RET4.3	PICO	SAV2	AP	154500000	-1346292	-10.46	-16155500	0.5613	0.0074
RET4.3	PICO	Spring1	AP	17900000	-330433	-22.15	-3965200	0.3979	0.1541
RET4.3	PICO	Spring2	AP	80300000	-1158429	-17.31	-13901143	0.6834	0.0035
RET4.3	PICO	Summer1	AP	322000000	-8836167	-32.93	-106034000	0.2078	0.0792
RET4.3	PICO	Summer2	AP	270000000	-5662000	-25.16	-67944000	0.4198	0.4549
RET4.3	PICO	Winter	AP	18900000	-222369	-14.12	-2668432	0.7711	0.2861
RET4.3	PICO	Annual	BP	64900000	-291000	-5.38	-3492000	0.8015	0.0318
RET4.3	PICO	Fall	BP	28950000	-158250	-6.56	-1899000	0.9100	0.7247
RET4.3	PICO	SAV1	BP	64900000	-224000	-4.14	-2688000	0.7167	0.2402
RET4.3	PICO	SAV2	BP	158000000	-1546667	-11.75	-18560000	0.5207	0.0151
RET4.3	PICO	Spring1	BP	20800000	-224000	-12.92	-2688000	0.4230	0.1278
RET4.3	PICO	Spring2	BP	126000000	-1052030	-10.02	-12624360	0.3983	0.0035
RET4.3	PICO	Summer1	BP	247000000	-10371464	-50.39	-124457568	0.2722	0.0807
RET4.3	PICO	Summer2	BP	210000000	-4330800	-24.75	-51969600	0.8885	0.5370
RET4.3	PICO	Winter	BP	24460000	-143198	-7.03	-1718379	0.9227	0.4972
RET4.3	PICO_C	Annual	AP	85350000	-837860	-11.78	-10054320	0.7833	0.0120
RET4.3	PICO_C	Fall	AP	38175000	-713500	-22.43	-8562000	0.8833	0.4384
RET4.3	PICO_C	SAV1	AP	85350000	-532436	-7.49	-6389229	0.6504	0.2261
RET4.3	PICO_C	SAV2	AP	231750000	-2019438	-10.46	-24233250	0.5613	0.0074
RET4.3	PICO_C	Spring1	AP	26850000	-495650	-22.15	-5947800	0.3979	0.1541
RET4.3	PICO_C	Spring2	AP	120450000	-1737643	-17.31	-20851715	0.6834	0.0035
RET4.3	PICO_C	Summer1	AP	483000000	-13254250	-32.93	-159051000	0.2078	0.0792
RET4.3	PICO_C	Summer2	AP	405000000	-8493000	-25.16	-101916000	0.4198	0.4549
RET4.3	PICO_C	Winter	AP	28350000	-333554	-14.12	-4002648	0.7711	0.2861
RET4.3	PICO_C	Annual	BP	97350000	-436500	-5.38	-5238000	0.8015	0.0318
RET4.3	PICO_C	Fall	BP	43425000	-237375	-6.56	-2848500	0.9100	0.7247
RET4.3	PICO_C	SAV1	BP	97350000	-336000	-4.14	-4032000	0.7167	0.2402
RET4.3	PICO_C	SAV2	BP	237000000	-2320000	-11.75	-27840000	0.5207	0.0151
RET4.3	PICO_C	Spring1	BP	31200000	-336000	-12.92	-4032000	0.4230	0.1278
RET4.3	PICO_C	Spring2	BP	189000000	-1578045	-10.02	-18936540	0.3983	0.0035
RET4.3	PICO_C	Summer1	BP	370500000	-15557196	-50.39	-186686352	0.2722	0.0807
RET4.3	PICO_C	Summer2	BP	315000000	-6496200	-24.75	-77954400	0.8885	0.5370
RET4.3	PICO_C	Winter	BP	36690000	-214797	-7.03	-2577568	0.9227	0.4972
RET4.3	N_SP	Annual	AP	26.50	0.14	7.92	2.10	0.0464	0.2720
RET4.3	N_SP	Fall	AP	22.00	0.40	27.27	6.00	0.9037	0.0282
RET4.3	N_SP	SAV1	AP	25.00	0.38	22.80	5.70	0.3484	0.0097
RET4.3	N_SP	SAV2	AP	26.50	0.00	0.00	0.00	0.3036	0.8172
RET4.3	N_SP	Spring1	AP	26.00	0.48	27.69	7.20	0.1251	0.0298
RET4.3	N_SP	Spring2	AP	26.50	0.08	4.53	1.20	0.1172	0.5525
RET4.3	N_SP	Summer1	AP	29.50	-0.22	-11.19	-3.30	0.8003	0.2974

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET4.3	N_SP	Summer2	AP	29.50	-0.24	-12.20	-3.60	0.6105	0.4056
RET4.3	N_SP	Winter	AP	27.00	-0.56	-29.04	-7.84	0.1140	0.1312
RET4.3	N_SP	Annual	BP	29.00	0.00	0.00	0.00	0.6691	0.7532
RET4.3	N_SP	Fall	BP	27.50	0.19	10.36	2.85	0.1530	0.3881
RET4.3	N_SP	SAV1	BP	27.50	0.00	0.00	0.00	0.7465	0.5994
RET4.3	N_SP	SAV2	BP	27.00	0.00	0.00	0.00	0.5736	0.6521
RET4.3	N_SP	Spring1	BP	27.50	0.00	0.00	0.00	0.5081	0.6662
RET4.3	N_SP	Spring2	BP	23.50	0.00	0.00	0.00	0.1924	0.6559
RET4.3	N_SP	Summer1	BP	29.00	0.00	0.00	0.00	0.4816	0.8274
RET4.3	N_SP	Summer2	BP	31.00	-0.14	-6.77	-2.10	0.9384	0.5791
RET4.3	N_SP	Winter	BP	31.50	0.00	0.00	0.00	0.8056	0.9161
RET4.3	N_GENERA	Annual	AP	23.50	0.17	10.85	2.55	0.0511	0.0473
RET4.3	N_GENERA	Fall	AP	20.50	0.35	25.61	5.25	0.8493	0.0190
RET4.3	N_GENERA	SAV1	AP	23.00	0.37	24.13	5.55	0.3881	0.0011
RET4.3	N_GENERA	SAV2	AP	23.50	0.14	8.94	2.10	0.3827	0.1706
RET4.3	N_GENERA	Spring1	AP	23.00	0.42	27.39	6.30	0.1581	0.0065
RET4.3	N_GENERA	Spring2	AP	23.50	0.21	13.40	3.15	0.1586	0.1384
RET4.3	N_GENERA	Summer1	AP	26.50	0.00	0.00	0.00	0.8215	0.9614
RET4.3	N_GENERA	Summer2	AP	26.50	0.00	0.00	0.00	0.6398	0.9116
RET4.3	N_GENERA	Winter	AP	24.00	-0.56	-32.67	-7.84	0.0988	0.1136
RET4.3	N_GENERA	Annual	BP	25.50	0.00	0.00	0.00	0.6758	0.2907
RET4.3	N_GENERA	Fall	BP	25.00	0.17	10.20	2.55	0.2104	0.1907
RET4.3	N_GENERA	SAV1	BP	25.50	0.00	0.00	0.00	0.7751	0.9549
RET4.3	N_GENERA	SAV2	BP	24.50	0.00	0.00	0.00	0.6005	0.6773
RET4.3	N_GENERA	Spring1	BP	25.50	0.00	0.00	0.00	0.4527	0.9351
RET4.3	N_GENERA	Spring2	BP	22.50	0.12	8.00	1.80	0.2898	0.1972
RET4.3	N_GENERA	Summer1	BP	25.50	0.08	4.71	1.20	0.4241	0.5933
RET4.3	N_GENERA	Summer2	BP	26.50	0.00	0.00	0.00	0.9354	0.7388
RET4.3	N_GENERA	Winter	BP	26.00	0.00	0.00	0.00	0.8877	0.9435
RET4.3	SHANNON	Annual	AP	2.43	0.02	12.35	0.30	0.0671	0.0279
RET4.3	SHANNON	Fall	AP	2.40	0.03	18.75	0.45	0.8689	0.0688
RET4.3	SHANNON	SAV1	AP	2.31	0.03	19.48	0.45	0.2280	0.0052
RET4.3	SHANNON	SAV2	AP	2.47	0.01	6.07	0.15	0.0465	0.6331
RET4.3	SHANNON	Spring1	AP	2.05	0.05	36.59	0.75	0.0552	0.0109
RET4.3	SHANNON	Spring2	AP	2.10	0.04	28.57	0.60	0.0607	0.1024
RET4.3	SHANNON	Summer1	AP	2.71	-0.02	-11.07	-0.30	0.3124	0.3468
RET4.3	SHANNON	Summer2	AP	2.71	-0.02	-11.07	-0.30	0.3028	0.1848
RET4.3	SHANNON	Winter	AP	2.41	0.03	17.43	0.42	0.2628	0.2341
RET4.3	SHANNON	Annual	BP	2.59	0.00	0.00	0.00	0.2879	0.9783
RET4.3	SHANNON	Fall	BP	2.62	0.00	0.00	0.00	0.2596	0.8353
RET4.3	SHANNON	SAV1	BP	2.63	0.00	0.00	0.00	0.1727	0.6680
RET4.3	SHANNON	SAV2	BP	2.62	0.00	0.00	0.00	0.0902	0.5188
RET4.3	SHANNON	Spring1	BP	2.65	0.02	11.32	0.30	0.2372	0.1142
RET4.3	SHANNON	Spring2	BP	2.62	0.03	17.18	0.45	0.3054	0.0770
RET4.3	SHANNON	Summer1	BP	2.60	-0.02	-11.54	-0.30	0.7573	0.0704
RET4.3	SHANNON	Summer2	BP	2.59	-0.03	-17.37	-0.45	0.9026	0.0409
RET4.3	SHANNON	Winter	BP	2.13	0.00	0.00	0.00	0.6745	0.7264
RET4.3	EVENNESS	Annual	AP	0.53	0.00	0.00	0.00	0.3040	0.1817
RET4.3	EVENNESS	Fall	AP	0.56	0.00	0.00	0.00	0.6299	0.6399
RET4.3	EVENNESS	SAV1	AP	0.49	0.00	0.00	0.00	0.3329	0.2395
RET4.3	EVENNESS	SAV2	AP	0.53	0.00	0.00	0.00	0.2131	0.8458
RET4.3	EVENNESS	Spring1	AP	0.44	0.01	34.09	0.15	0.1117	0.1316
RET4.3	EVENNESS	Spring2	AP	0.44	0.00	0.00	0.00	0.1395	0.2496
RET4.3	EVENNESS	Summer1	AP	0.54	0.00	0.00	0.00	0.3450	0.5790
RET4.3	EVENNESS	Summer2	AP	0.54	0.00	0.00	0.00	0.4488	0.2691
RET4.3	EVENNESS	Winter	AP	0.53	0.01	26.42	0.14	0.4840	0.1075

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET4.3	EVENNESS	Annual	BP	0.56	0.00	0.00	0.00	0.2411	0.6439
RET4.3	EVENNESS	Fall	BP	0.57	0.00	0.00	0.00	0.9499	0.8353
RET4.3	EVENNESS	SAV1	BP	0.56	0.00	0.00	0.00	0.3215	0.1216
RET4.3	EVENNESS	SAV2	BP	0.56	0.00	0.00	0.00	0.0467	0.9429
RET4.3	EVENNESS	Spring1	BP	0.56	0.01	26.79	0.15	0.5249	0.0094
RET4.3	EVENNESS	Spring2	BP	0.56	0.01	26.79	0.15	0.1762	0.0357
RET4.3	EVENNESS	Summer1	BP	0.57	0.00	0.00	0.00	0.5695	0.0960
RET4.3	EVENNESS	Summer2	BP	0.54	0.00	0.00	0.00	0.4650	0.0770
RET4.3	EVENNESS	Winter	BP	0.45	0.00	0.00	0.00	0.4840	0.6242
WE4.2	TOTABUND	Annual	AP	5389641	31940	9.48	511043	0.9909	0.5719
WE4.2	TOTABUND	Fall	AP	4005247	82787	33.07	1324593	0.9932	0.2536
WE4.2	TOTABUND	SAV1	AP	4856069	63820	21.03	1021125	0.9675	0.3803
WE4.2	TOTABUND	SAV2	AP	5390422	43107	12.80	689705	0.9906	0.4978
WE4.2	TOTABUND	Spring1	AP	6185561	32810	7.96	492151	0.8480	0.9585
WE4.2	TOTABUND	Spring2	AP	6185561	16698	4.05	250477	0.8480	0.9585
WE4.2	TOTABUND	Summer1	AP	5390422	14783	4.39	236535	0.8916	0.7050
WE4.2	TOTABUND	Summer2	AP	5389641	32203	9.56	515248	0.8890	0.5363
WE4.2	TOTABUND	Winter	AP	15541297	-140128	-13.52	-2101922	0.6027	0.4238
WE4.2	TOTABUND	Annual	BP	5158877	86871	26.94	1389928	0.3893	0.0245
WE4.2	TOTABUND	Fall	BP	2981767	129124	69.29	2065991	0.8672	0.0224
WE4.2	TOTABUND	SAV1	BP	4509581	94371	33.48	1509929	0.4961	0.1604
WE4.2	TOTABUND	SAV2	BP	6301227	97381	24.73	1558098	0.5170	0.0871
WE4.2	TOTABUND	Spring1	BP	8365751	-25130	-4.51	-376955	0.6560	0.7551
WE4.2	TOTABUND	Spring2	BP	6301227	42224	10.05	633367	0.2041	0.7551
WE4.2	TOTABUND	Summer1	BP	6498806	150710	37.10	2411363	0.7324	0.0355
WE4.2	TOTABUND	Summer2	BP	6596239	107251	26.02	1716021	0.6462	0.1280
WE4.2	TOTABUND	Winter	BP	13655638	-61274	-6.73	-919113	0.0592	0.8620
WE4.2	TOTBMASS	Annual	AP	268900931	5648636	33.61	90378177	0.4595	0.2136
WE4.2	TOTBMASS	Fall	AP	150989877	6332749	67.11	101323986	0.1432	0.2344
WE4.2	TOTBMASS	SAV1	AP	306380898	-1410116	-7.36	-22561859	0.9911	0.6995
WE4.2	TOTBMASS	SAV2	AP	269901759	6995862	41.47	111933793	0.5832	0.3015
WE4.2	TOTBMASS	Spring1	AP	306380898	-5367980	-26.28	-80519693	0.9448	0.6399
WE4.2	TOTBMASS	Spring2	AP	306380898	1107726	5.42	16615897	0.4847	0.8353
WE4.2	TOTBMASS	Summer1	AP	267900102	12349162	73.75	197586598	0.7107	0.0530
WE4.2	TOTBMASS	Summer2	AP	264226273	12096496	73.25	193543933	0.5061	0.1058
WE4.2	TOTBMASS	Winter	AP	591564568	-11244994	-28.51	-168674910	0.3862	0.3847
WE4.2	TOTBMASS	Annual	BP	252765144	13539294	85.70	216628704	0.3162	0.0001
WE4.2	TOTBMASS	Fall	BP	140439527	9430363	107.44	150885814	0.3176	0.0636
WE4.2	TOTBMASS	SAV1	BP	292723243	5382487	29.42	86119789	0.8377	0.2193
WE4.2	TOTBMASS	SAV2	BP	236061512	11475445	77.78	183607126	0.1757	0.0055
WE4.2	TOTBMASS	Spring1	BP	462668166	5634656	18.27	84519847	0.6000	0.6399
WE4.2	TOTBMASS	Spring2	BP	292723243	17918870	91.82	268783044	0.0272	0.0688
WE4.2	TOTBMASS	Summer1	BP	236061512	18689998	126.68	299039971	0.4602	0.0003
WE4.2	TOTBMASS	Summer2	BP	252765144	11947682	75.63	191162915	0.8672	0.0153
WE4.2	TOTBMASS	Winter	BP	462009309	18433627	59.85	276504399	0.1259	0.1982
WE4.2	RATIO	Annual	AP	45.91	0.23	8.02	3.68	0.3763	0.5549
WE4.2	RATIO	Fall	AP	43.00	0.01	0.37	0.16	0.2293	1.0000
WE4.2	RATIO	SAV1	AP	59.08	-0.92	-24.92	-14.72	0.9233	0.2193
WE4.2	RATIO	SAV2	AP	56.98	0.29	8.14	4.64	0.1549	0.5185
WE4.2	RATIO	Spring1	AP	67.58	-1.29	-28.63	-19.35	0.9499	0.3233
WE4.2	RATIO	Spring2	AP	67.58	0.00	0.00	0.00	0.2500	1.0000
WE4.2	RATIO	Summer1	AP	47.82	1.63	54.54	26.08	0.4950	0.0320
WE4.2	RATIO	Summer2	AP	52.40	1.48	45.19	23.68	0.3176	0.0868
WE4.2	RATIO	Winter	AP	40.15	-0.53	-19.80	-7.95	0.3714	0.5544
WE4.2	RATIO	Annual	BP	49.15	1.03	33.53	16.48	0.5143	0.0486
WE4.2	RATIO	Fall	BP	48.88	0.35	11.46	5.60	0.0832	0.7036

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
WE4.2	RATIO	SAV1	BP	55.32	-0.05	-1.45	-0.80	0.8181	0.8884
WE4.2	RATIO	SAV2	BP	45.47	0.69	24.28	11.04	0.3064	0.2451
WE4.2	RATIO	Spring1	BP	55.32	0.78	21.15	11.70	0.8034	0.7551
WE4.2	RATIO	Spring2	BP	45.47	1.37	45.19	20.55	0.6649	0.2985
WE4.2	RATIO	Summer1	BP	37.98	1.31	55.19	20.96	0.3875	0.0642
WE4.2	RATIO	Summer2	BP	43.88	1.05	38.29	16.80	0.2288	0.1403
WE4.2	RATIO	Winter	BP	44.32	2.88	97.47	43.20	0.9720	0.1540
WE4.2	MARGALEF	Annual	AP	2.61	0.01	6.13	0.16	0.7843	0.5055
WE4.2	MARGALEF	Fall	AP	2.38	-0.01	-6.72	-0.16	0.7401	0.7036
WE4.2	MARGALEF	SAV1	AP	2.59	0.00	0.00	0.00	0.9601	0.9162
WE4.2	MARGALEF	SAV2	AP	2.59	0.01	6.18	0.16	0.4751	0.3169
WE4.2	MARGALEF	Spring1	AP	2.59	0.01	5.79	0.15	0.8034	0.7551
WE4.2	MARGALEF	Spring2	AP	2.55	0.01	5.88	0.15	0.7632	0.7949
WE4.2	MARGALEF	Summer1	AP	2.55	0.02	12.55	0.32	0.2133	0.2389
WE4.2	MARGALEF	Summer2	AP	2.41	0.03	19.92	0.48	0.2113	0.1165
WE4.2	MARGALEF	Winter	AP	2.85	0.00	0.00	0.00	0.4568	0.9723
WE4.2	MARGALEF	Annual	BP	2.56	0.00	0.00	0.00	0.9798	0.9100
WE4.2	MARGALEF	Fall	BP	2.37	0.01	6.75	0.16	0.5061	0.6008
WE4.2	MARGALEF	SAV1	BP	2.54	0.00	0.00	0.00	0.7950	0.8884
WE4.2	MARGALEF	SAV2	BP	2.54	0.00	0.00	0.00	0.9465	0.6513
WE4.2	MARGALEF	Spring1	BP	2.59	0.00	0.00	0.00	0.9048	0.9172
WE4.2	MARGALEF	Spring2	BP	2.40	0.00	0.00	0.00	0.8783	0.8761
WE4.2	MARGALEF	Summer1	BP	2.54	0.00	0.00	0.00	0.6641	0.7365
WE4.2	MARGALEF	Summer2	BP	2.59	-0.01	-6.18	-0.16	0.5797	0.5363
WE4.2	MARGALEF	Winter	BP	2.70	0.00	0.00	0.00	0.7483	0.9723
WE4.2	DIATOM	Annual	AP	3150745	88889	45.14	1422225	0.1550	0.0164
WE4.2	DIATOM	Fall	AP	439653	145033	527.81	2320530	0.4389	0.0002
WE4.2	DIATOM	SAV1	AP	3072126	106840	55.64	1709447	0.1116	0.0127
WE4.2	DIATOM	SAV2	AP	3229365	81397	40.33	1302348	0.6575	0.0996
WE4.2	DIATOM	Spring1	AP	3864926	-8184	-3.18	-122759	0.9347	0.9172
WE4.2	DIATOM	Spring2	AP	3864926	-17047	-6.62	-255702	0.9499	0.7949
WE4.2	DIATOM	Summer1	AP	3365474	70970	33.74	1135517	0.6458	0.1652
WE4.2	DIATOM	Summer2	AP	2905997	100019	55.07	1600303	0.7106	0.0960
WE4.2	DIATOM	Winter	AP	13757263	-142336	-15.52	-2135040	0.6676	0.3132
WE4.2	DIATOM	Annual	BP	4366431	71907	26.35	1150505	0.0644	0.0406
WE4.2	DIATOM	Fall	BP	554455	154162	444.87	2466594	0.9218	0.0002
WE4.2	DIATOM	SAV1	BP	2251588	78659	55.90	1258542	0.0645	0.1604
WE4.2	DIATOM	SAV2	BP	4692170	56690	19.33	907042	0.3866	0.3169
WE4.2	DIATOM	Spring1	BP	6122197	-81633	-20.00	-1224496	0.7777	0.2749
WE4.2	DIATOM	Spring2	BP	5239940	-75041	-21.48	-1125621	0.6981	0.3233
WE4.2	DIATOM	Summer1	BP	4692170	74123	25.28	1185965	0.9555	0.2561
WE4.2	DIATOM	Summer2	BP	5103361	80030	25.09	1280479	0.9843	0.2162
WE4.2	DIATOM	Winter	BP	12285540	-17685	-2.16	-265280	0.0301	0.8620
WE4.2	DIATOM_C	Annual	AP	126805394	7842129	98.95	125474057	0.2870	0.0015
WE4.2	DIATOM_C	Fall	AP	23025023	11989662	833.16	191834584	0.8711	0.0004
WE4.2	DIATOM_C	SAV1	AP	99381019	5680140	91.45	90882237	0.3089	0.0735
WE4.2	DIATOM_C	SAV2	AP	129726668	7796430	96.16	124742875	0.5130	0.0098
WE4.2	DIATOM_C	Spring1	AP	240879319	-2794977	-17.40	-41924657	0.9813	0.7949
WE4.2	DIATOM_C	Spring2	AP	201336391	6096072	45.42	91441081	0.2861	0.4667
WE4.2	DIATOM_C	Summer1	AP	129726668	8395574	103.55	134329187	0.7368	0.0063
WE4.2	DIATOM_C	Summer2	AP	126805394	7424413	93.68	118790607	0.5719	0.0287
WE4.2	DIATOM_C	Winter	AP	527760989	-5535218	-15.73	-83028270	0.4907	0.6019
WE4.2	DIATOM_C	Annual	BP	169610245	11235176	105.99	179762816	0.3944	<0.0001
WE4.2	DIATOM_C	Fall	BP	36862089	13975578	606.61	223609242	0.8478	0.0004
WE4.2	DIATOM_C	SAV1	BP	177879740	8067543	72.57	129080695	0.3385	0.0170
WE4.2	DIATOM_C	SAV2	BP	177879740	9493295	85.39	151892721	0.3723	0.0012

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
WE4.2	DIATOM_C	Spring1	BP	363000504	321882	1.33	4828234	0.6649	0.9172
WE4.2	DIATOM_C	Spring2	BP	235876684	7009892	44.58	105148379	0.1099	0.2985
WE4.2	DIATOM_C	Summer1	BP	161340751	13379226	132.68	214067613	0.9369	0.0003
WE4.2	DIATOM_C	Summer2	BP	194299512	11044718	90.95	176715491	0.9197	0.0037
WE4.2	DIATOM_C	Winter	BP	410472817	14780292	54.01	221704377	0.2202	0.4238
WE4.2	DINOFLG	Annual	AP	215509	-1656	-12.30	-26498	0.8280	0.6785
WE4.2	DINOFLG	Fall	AP	184217	330	2.86	5273	0.6120	0.8491
WE4.2	DINOFLG	SAV1	AP	101184	-279	-4.41	-4461	0.2736	0.9720
WE4.2	DINOFLG	SAV2	AP	243381	-4621	-30.38	-73930	0.9740	0.2199
WE4.2	DINOFLG	Spring1	AP	485339	-1857	-5.74	-27853	0.0841	0.9585
WE4.2	DINOFLG	Spring2	AP	495815	-11801	-35.70	-177017	0.7632	0.1937
WE4.2	DINOFLG	Summer1	AP	218354	-3615	-26.49	-57839	0.9563	0.5010
WE4.2	DINOFLG	Summer2	AP	215509	-3222	-23.92	-51553	0.8593	0.6008
WE4.2	DINOFLG	Winter	AP	154049	-1672	-16.28	-25073	0.9911	0.8077
WE4.2	DINOFLG	Annual	BP	106762	-110	-1.65	-1760	0.5393	0.8703
WE4.2	DINOFLG	Fall	BP	113991	-91	-1.27	-1451	0.6521	0.8865
WE4.2	DINOFLG	SAV1	BP	113094	-73	-1.03	-1166	0.8392	0.9440
WE4.2	DINOFLG	SAV2	BP	100429	-557	-8.88	-8914	0.4724	0.6747
WE4.2	DINOFLG	Spring1	BP	228160	6040	39.71	90598	0.6776	0.4355
WE4.2	DINOFLG	Spring2	BP	171585	4351	38.04	65266	0.5700	0.3233
WE4.2	DINOFLG	Summer1	BP	91879	-754	-13.13	-12062	0.2179	0.6138
WE4.2	DINOFLG	Summer2	BP	88491	-2091	-37.81	-33459	0.3964	0.2344
WE4.2	DINOFLG	Winter	BP	163703	-3201	-29.33	-48008	0.1027	0.6512
WE4.2	DINOFL_C	Annual	AP	45352008	894892	31.57	14318280	0.4630	0.1349
WE4.2	DINOFL_C	Fall	AP	28951005	1194824	66.03	19117188	0.0903	0.3661
WE4.2	DINOFL_C	SAV1	AP	73252173	465909	10.18	7454539	0.3173	0.5745
WE4.2	DINOFL_C	SAV2	AP	72936954	129218	2.83	2067481	0.8534	0.8718
WE4.2	DINOFL_C	Spring1	AP	79087284	1693483	32.12	25402238	0.0958	0.2985
WE4.2	DINOFL_C	Spring2	AP	79087284	-676701	-12.83	-10150512	0.5809	0.6399
WE4.2	DINOFL_C	Summer1	AP	70711060	629350	14.24	10069606	0.8149	0.5281
WE4.2	DINOFL_C	Summer2	AP	71824007	1012421	22.55	16198729	0.9073	0.3415
WE4.2	DINOFL_C	Winter	AP	22760684	297790	19.63	4466854	0.7797	0.7021
WE4.2	DINOFL_C	Annual	BP	25205749	344596	21.87	5513533	0.4533	0.0765
WE4.2	DINOFL_C	Fall	BP	16354340	153588	15.03	2457407	0.1697	0.3661
WE4.2	DINOFL_C	SAV1	BP	28587414	195122	10.92	3121951	0.6396	0.3258
WE4.2	DINOFL_C	SAV2	BP	28323890	28607	1.62	457719	0.7578	0.8718
WE4.2	DINOFL_C	Spring1	BP	37392125	2984976	119.74	44774643	0.3739	0.1455
WE4.2	DINOFL_C	Spring2	BP	37392125	983256	39.44	14748844	0.8344	0.3768
WE4.2	DINOFL_C	Summer1	BP	28323890	18169	1.03	290699	0.3620	0.9330
WE4.2	DINOFL_C	Summer2	BP	31839094	-143957	-7.23	-2303318	0.3588	0.6686
WE4.2	DINOFL_C	Winter	BP	18810895	2117020	168.81	31755303	0.4629	0.1348
WE4.2	CYANO	Annual	AP	32	1824	91200.00	29184	0.7558	<0.0001
WE4.2	CYANO	Fall	AP	2106	437	332.33	6997	0.9778	0.0041
WE4.2	CYANO	SAV1	AP	0	2400	0.00	38400	0.5675	<0.0001
WE4.2	CYANO	SAV2	AP	4147	2930	1130.64	46888	0.3683	<0.0001
WE4.2	CYANO	Spring1	AP	0	7325	0.00	109869	0.6701	0.0243
WE4.2	CYANO	Spring2	AP	0	2671	0.00	40064	0.7463	0.0088
WE4.2	CYANO	Summer1	AP	20313	1960	154.42	31368	0.1183	0.0024
WE4.2	CYANO	Summer2	AP	53238	3002	90.23	48035	0.0533	0.0092
WE4.2	CYANO	Winter	AP	0	5742	0.00	86127	0.4893	0.0151
WE4.2	CYANO	Annual	BP	48	2110	70333.33	33760	0.8613	<0.0001
WE4.2	CYANO	Fall	BP	80	155	3104.00	2483	0.3020	0.0018
WE4.2	CYANO	SAV1	BP	128	4090	51123.50	65438	0.6770	0.0003
WE4.2	CYANO	SAV2	BP	128	3104	38805.63	49671	0.8801	<0.0001
WE4.2	CYANO	Spring1	BP	74650	5110	102.68	76651	0.9951	0.0559
WE4.2	CYANO	Spring2	BP	74650	1861	37.39	27912	0.5833	0.0099

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
WE4.2	CYANO	Summer1	BP	0	2599	0.00	41581	0.8458	0.0001
WE4.2	CYANO	Summer2	BP	0	6225	0.00	99603	0.7135	0.0010
WE4.2	CYANO	Winter	BP	22618	288	19.10	4320	0.2824	0.0623
WE4.2	CYANO_C	Annual	AP	980	14956	24414.53	239301	0.8409	<0.0001
WE4.2	CYANO_C	Fall	AP	17651	4812	436.22	76998	0.8365	0.0088
WE4.2	CYANO_C	SAV1	AP	0	24915	0.00	398647	0.6232	<0.0001
WE4.2	CYANO_C	SAV2	AP	30470	27464	1442.17	439423	0.4683	0.0001
WE4.2	CYANO_C	Spring1	AP	0	38048	0.00	570716	0.9922	0.0594
WE4.2	CYANO_C	Spring2	AP	0	19883	0.00	298244	0.8830	0.0318
WE4.2	CYANO_C	Summer1	AP	30470	21371	1122.20	341929	0.1624	0.0021
WE4.2	CYANO_C	Summer2	AP	79857	33889	678.99	542221	0.0774	0.0092
WE4.2	CYANO_C	Winter	AP	0	68418	0.00	1026277	0.5395	0.0183
WE4.2	CYANO_C	Annual	BP	1109	14003	20206.65	224051	0.9084	<0.0001
WE4.2	CYANO_C	Fall	BP	9084	1495	263.27	23916	0.4897	0.0058
WE4.2	CYANO_C	SAV1	BP	17911	15120	1350.68	241920	0.6995	0.0009
WE4.2	CYANO_C	SAV2	BP	17911	20372	1819.85	325955	0.8552	<0.0001
WE4.2	CYANO_C	Spring1	BP	180941	21457	177.88	321852	0.9373	0.0989
WE4.2	CYANO_C	Spring2	BP	180941	6164	51.10	92454	0.5267	0.0254
WE4.2	CYANO_C	Summer1	BP	0	22789	0.00	364624	0.9184	<0.0001
WE4.2	CYANO_C	Summer2	BP	0	36073	0.00	577164	0.7877	0.0005
WE4.2	CYANO_C	Winter	BP	33926	8417	372.16	126259	0.2774	0.0411
WE4.2	CHLORO	Annual	AP	3142	2075	1056.66	33203	0.7297	<0.0001
WE4.2	CHLORO	Fall	AP	1037	0	0.00	0	0.5334	0.0452
WE4.2	CHLORO	SAV1	AP	0	242	0.00	3868	0.8288	0.0063
WE4.2	CHLORO	SAV2	AP	4211	3852	1463.67	61635	0.6666	0.0003
WE4.2	CHLORO	Spring1	AP	0	4114	0.00	61712	0.6891	0.0703
WE4.2	CHLORO	Spring2	AP	6351	3878	916.06	58175	0.8260	0.0228
WE4.2	CHLORO	Summer1	AP	4211	6205	2357.72	99284	0.5410	0.0009
WE4.2	CHLORO	Summer2	AP	2106	8182	6217.89	130918	0.3594	0.0025
WE4.2	CHLORO	Winter	AP	33178	3312	149.74	49680	0.0889	0.0994
WE4.2	CHLORO	Annual	BP	80	512	10240.00	8192	0.4546	<0.0001
WE4.2	CHLORO	Fall	BP	2995	0	0.00	0	0.1019	0.1941
WE4.2	CHLORO	SAV1	BP	0	1379	0.00	22065	0.7767	0.0010
WE4.2	CHLORO	SAV2	BP	0	1477	0.00	23637	0.4734	0.0005
WE4.2	CHLORO	Spring1	BP	13312	3076	346.57	46136	0.5987	0.0986
WE4.2	CHLORO	Spring2	BP	0	5141	0.00	77122	0.2321	0.0246
WE4.2	CHLORO	Summer1	BP	0	853	0.00	13652	0.3168	0.0045
WE4.2	CHLORO	Summer2	BP	80	72	1440.00	1152	0.3836	0.0613
WE4.2	CHLORO	Winter	BP	41472	3093	111.87	46394	0.9487	0.0117
WE4.2	CHLORO_C	Annual	AP	71432	59102	1323.84	945640	0.8557	<0.0001
WE4.2	CHLORO_C	Fall	AP	23327	0	0.00	0	0.5028	0.0400
WE4.2	CHLORO_C	SAV1	AP	0	39036	0.00	624581	0.8628	0.0019
WE4.2	CHLORO_C	SAV2	AP	96209	91985	1529.75	1471759	0.7223	0.0002
WE4.2	CHLORO_C	Spring1	AP	0	94521	0.00	1417812	0.8286	0.0225
WE4.2	CHLORO_C	Spring2	AP	142886	92487	970.92	1387308	0.8578	0.0148
WE4.2	CHLORO_C	Summer1	AP	96209	180242	2997.50	2883872	0.6300	0.0007
WE4.2	CHLORO_C	Summer2	AP	48105	249177	8287.85	3986838	0.4518	0.0018
WE4.2	CHLORO_C	Winter	AP	746494	83366	167.52	1250494	0.1388	0.1147
WE4.2	CHLORO_C	Annual	BP	1297	25563	31543.57	409007	0.4550	<0.0001
WE4.2	CHLORO_C	Fall	BP	68107	0	0.00	0	0.1975	0.2306
WE4.2	CHLORO_C	SAV1	BP	0	38325	0.00	613207	0.7344	0.0002
WE4.2	CHLORO_C	SAV2	BP	0	40440	0.00	647040	0.6074	0.0003
WE4.2	CHLORO_C	Spring1	BP	299520	94608	473.80	1419121	0.3185	0.0138
WE4.2	CHLORO_C	Spring2	BP	0	126073	0.00	1891100	0.2714	0.0112
WE4.2	CHLORO_C	Summer1	BP	0	39268	0.00	628288	0.3794	0.0034
WE4.2	CHLORO_C	Summer2	BP	1297	5222	6443.63	83551	0.4524	0.0490

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
WE4.2	CHLORO_C	Winter	BP	933120	68148	109.55	1022226	0.7504	0.0063
WE4.2	CRYPTO	Annual	AP	1328129	-16617	-20.02	-265867	0.4757	0.1193
WE4.2	CRYPTO	Fall	AP	1709117	-23935	-22.41	-382960	0.9579	0.2162
WE4.2	CRYPTO	SAV1	AP	1274130	-29935	-37.59	-478954	0.9709	0.0384
WE4.2	CRYPTO	SAV2	AP	1382128	-21848	-25.29	-349564	0.1562	0.1292
WE4.2	CRYPTO	Spring1	AP	666080	-14369	-32.36	-215529	0.9973	0.3233
WE4.2	CRYPTO	Spring2	AP	673136	8524	19.00	127867	0.1293	0.6775
WE4.2	CRYPTO	Summer1	AP	1432550	-28046	-31.32	-448730	0.0275	0.3334
WE4.2	CRYPTO	Summer2	AP	1483253	-52570	-56.71	-841126	0.3806	0.0364
WE4.2	CRYPTO	Winter	AP	1360283	3521	3.88	52817	0.7552	0.6763
WE4.2	CRYPTO	Annual	BP	569844	5700	16.00	91203	0.3441	0.4070
WE4.2	CRYPTO	Fall	BP	1003247	-11762	-18.76	-188187	0.8593	0.2162
WE4.2	CRYPTO	SAV1	BP	560728	5660	16.15	90568	0.6529	0.6609
WE4.2	CRYPTO	SAV2	BP	514253	2584	8.04	41341	0.5126	0.6865
WE4.2	CRYPTO	Spring1	BP	434613	23440	80.90	351593	0.4896	0.2026
WE4.2	CRYPTO	Spring2	BP	484703	29832	92.32	447480	0.3672	0.1527
WE4.2	CRYPTO	Summer1	BP	514253	4052	12.61	64839	0.2058	0.5560
WE4.2	CRYPTO	Summer2	BP	546606	-2178	-6.37	-34845	0.6246	0.7036
WE4.2	CRYPTO	Winter	BP	692942	24167	52.31	362505	0.2169	0.1540
WE4.2	CRYPTO_C	Annual	AP	31888377	-434152	-21.78	-6946432	0.4863	0.0972
WE4.2	CRYPTO_C	Fall	AP	41035887	-574680	-22.41	-9194875	0.9579	0.2162
WE4.2	CRYPTO_C	SAV1	AP	30591861	-718731	-37.59	-11499695	0.9709	0.0384
WE4.2	CRYPTO_C	SAV2	AP	33184893	-599939	-28.93	-9599031	0.1674	0.0996
WE4.2	CRYPTO_C	Spring1	AP	15992569	-344990	-32.36	-5174845	0.9973	0.3233
WE4.2	CRYPTO_C	Spring2	AP	16161995	204672	19.00	3070084	0.1293	0.6775
WE4.2	CRYPTO_C	Summer1	AP	34395526	-753791	-35.06	-12060660	0.0295	0.2561
WE4.2	CRYPTO_C	Summer2	AP	35612893	-1374647	-61.76	-21994355	0.5319	0.0224
WE4.2	CRYPTO_C	Winter	AP	32660383	84543	3.88	1268147	0.7552	0.6763
WE4.2	CRYPTO_C	Annual	BP	13681948	142566	16.67	2281048	0.3773	0.3792
WE4.2	CRYPTO_C	Fall	BP	18489905	-251768	-21.79	-4028293	0.9155	0.2536
WE4.2	CRYPTO_C	SAV1	BP	13463079	135908	16.15	2174526	0.6529	0.6609
WE4.2	CRYPTO_C	SAV2	BP	12347203	62037	8.04	992597	0.5126	0.6865
WE4.2	CRYPTO_C	Spring1	BP	10435046	562784	80.90	8441758	0.4896	0.2026
WE4.2	CRYPTO_C	Spring2	BP	11637707	716267	92.32	10744005	0.3672	0.1527
WE4.2	CRYPTO_C	Summer1	BP	12347203	97300	12.61	1556795	0.2058	0.5560
WE4.2	CRYPTO_C	Summer2	BP	13124010	-52290	-6.37	-836640	0.6246	0.7036
WE4.2	CRYPTO_C	Winter	BP	16637537	580250	52.31	8703745	0.2169	0.1540
WE4.2	PROCARY	Annual	AP	0.00	0.00	0.00	0.00	0.7423	<0.0001
WE4.2	PROCARY	Fall	AP	0.00	0.00	0.00	0.00	0.9575	0.0042
WE4.2	PROCARY	SAV1	AP	0.00	0.00	0.00	0.00	0.6888	<0.0001
WE4.2	PROCARY	SAV2	AP	0.00	0.00	0.00	0.00	0.3556	0.0001
WE4.2	PROCARY	Spring1	AP	0.00	0.00	0.00	0.00	0.6766	0.0138
WE4.2	PROCARY	Spring2	AP	0.00	0.00	0.00	0.00	0.8062	0.0055
WE4.2	PROCARY	Summer1	AP	0.00	0.00	0.00	0.00	0.1156	0.0086
WE4.2	PROCARY	Summer2	AP	0.01	0.00	0.00	0.00	0.0526	0.0280
WE4.2	PROCARY	Winter	AP	0.00	0.00	0.00	0.00	0.6391	0.0060
WE4.2	PROCARY	Annual	BP	0.00	0.00	0.00	0.00	0.9293	<0.0001
WE4.2	PROCARY	Fall	BP	0.00	0.00	0.00	0.00	0.3330	0.0040
WE4.2	PROCARY	SAV1	BP	0.00	0.00	0.00	0.00	0.7265	0.0005
WE4.2	PROCARY	SAV2	BP	0.00	0.00	0.00	0.00	0.9562	<0.0001
WE4.2	PROCARY	Spring1	BP	0.01	0.00	0.00	0.00	0.9262	0.0466
WE4.2	PROCARY	Spring2	BP	0.01	0.00	0.00	0.00	0.7515	0.0107
WE4.2	PROCARY	Summer1	BP	0.00	0.00	0.00	0.00	0.9289	0.0002
WE4.2	PROCARY	Summer2	BP	0.00	0.00	0.00	0.00	0.8116	0.0019
WE4.2	PROCARY	Winter	BP	0.01	0.00	0.00	0.00	0.2501	0.0345
WE4.2	PROCAR_C	Annual	AP	0.00	0.00	0.00	0.00	0.6718	<0.0001

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
WE4.2	PROCAR_C	Fall	AP	0.00	0.00	0.00	0.00	0.5338	0.0076
WE4.2	PROCAR_C	SAV1	AP	0.00	0.00	0.00	0.00	0.5554	0.0001
WE4.2	PROCAR_C	SAV2	AP	0.00	0.00	0.00	0.00	0.2598	0.0011
WE4.2	PROCAR_C	Spring1	AP	0.00	0.00	0.00	0.00	0.8783	0.1045
WE4.2	PROCAR_C	Spring2	AP	0.00	0.00	0.00	0.00	0.8614	0.0750
WE4.2	PROCAR_C	Summer1	AP	0.00	0.00	0.00	0.00	0.1047	0.0276
WE4.2	PROCAR_C	Summer2	AP	0.00	0.00	0.00	0.00	0.0465	0.0624
WE4.2	PROCAR_C	Winter	AP	0.00	0.00	0.00	0.00	0.7942	0.0411
WE4.2	PROCAR_C	Annual	BP	0.00	0.00	0.00	0.00	0.8775	<0.0001
WE4.2	PROCAR_C	Fall	BP	0.00	0.00	0.00	0.00	0.3594	0.0040
WE4.2	PROCAR_C	SAV1	BP	0.00	0.00	0.00	0.00	0.5418	0.0012
WE4.2	PROCAR_C	SAV2	BP	0.00	0.00	0.00	0.00	0.8140	<0.0001
WE4.2	PROCAR_C	Spring1	BP	0.00	0.00	0.00	0.00	0.9910	0.1733
WE4.2	PROCAR_C	Spring2	BP	0.00	0.00	0.00	0.00	0.6310	0.0331
WE4.2	PROCAR_C	Summer1	BP	0.00	0.00	0.00	0.00	0.8386	0.0003
WE4.2	PROCAR_C	Summer2	BP	0.00	0.00	0.00	0.00	0.6745	0.0026
WE4.2	PROCAR_C	Winter	BP	0.00	0.00	0.00	0.00	0.3067	0.0488
WE4.2	COCCO	Annual	AP	0	0	0.00	0	0.5306	0.8276
WE4.2	COCCO	Fall	AP	0	0	0.00	0	0.7518	0.7180
WE4.2	COCCO	SAV1	AP	0	0	0.00	0	0.4343	0.8284
WE4.2	COCCO	SAV2	AP	0	0	0.00	0	0.3932	0.6980
WE4.2	COCCO	Spring1	AP	0	0	0.00	0	0.0657	0.6454
WE4.2	COCCO	Spring2	AP	0	0	0.00	0	0.0621	0.4430
WE4.2	COCCO	Summer1	AP	0	0	0.00	0	0.2484	0.7327
WE4.2	COCCO	Summer2	AP	0	0	0.00	0	0.9313	0.2800
WE4.2	COCCO	Winter	AP	0	0	0.00	0	0.7611	0.5935
WE4.2	COCCO	Annual	BP	0	0	0.00	0	0.9277	0.4443
WE4.2	COCCO	Fall	BP	0	0	0.00	0	0.8951	0.5162
WE4.2	COCCO	SAV1	BP	0	0	0.00	0	0.8057	0.3384
WE4.2	COCCO	SAV2	BP	0	0	0.00	0	0.7301	0.6440
WE4.2	COCCO	Spring1	BP	0	0	0.00	0	0.9248	0.9248
WE4.2	COCCO	Spring2	BP	0	0	0.00	0	0.9248	0.9248
WE4.2	COCCO	Summer1	BP	0	0	0.00	0	0.2893	0.5987
WE4.2	COCCO	Summer2	BP	0	0	0.00	0	0.2893	0.5987
WE4.2	COCCO	Winter	BP	0	0	0.00	0		0.6889
WE4.2	COCCO_C	Annual	AP	0	0	0.00	0	0.5105	0.8655
WE4.2	COCCO_C	Fall	AP	0	0	0.00	0	0.7518	0.7180
WE4.2	COCCO_C	SAV1	AP	0	0	0.00	0	0.4343	0.8284
WE4.2	COCCO_C	SAV2	AP	0	0	0.00	0	0.3768	0.6575
WE4.2	COCCO_C	Spring1	AP	0	0	0.00	0	0.0657	0.6454
WE4.2	COCCO_C	Spring2	AP	0	0	0.00	0	0.0621	0.4430
WE4.2	COCCO_C	Summer1	AP	0	0	0.00	0	0.2329	0.6864
WE4.2	COCCO_C	Summer2	AP	0	0	0.00	0	0.9154	0.2510
WE4.2	COCCO_C	Winter	AP	0	0	0.00	0	0.7611	0.5935
WE4.2	COCCO_C	Annual	BP	0	0	0.00	0	0.9323	0.4187
WE4.2	COCCO_C	Fall	BP	0	0	0.00	0	0.8951	0.5162
WE4.2	COCCO_C	SAV1	BP	0	0	0.00	0	0.8262	0.3072
WE4.2	COCCO_C	SAV2	BP	0	0	0.00	0	0.7381	0.6076
WE4.2	COCCO_C	Spring1	BP	0	0	0.00	0	0.8503	1.0000
WE4.2	COCCO_C	Spring2	BP	0	0	0.00	0	0.8503	1.0000
WE4.2	COCCO_C	Summer1	BP	0	0	0.00	0	0.2893	0.5987
WE4.2	COCCO_C	Summer2	BP	0	0	0.00	0	0.2893	0.5987
WE4.2	COCCO_C	Winter	BP	0	0	0.00	0		0.6889
WE4.2	EUGLENO	Annual	BP	0	0	0.00	0	0.6908	0.1450
WE4.2	EUGLENO	Fall	BP	0	0	0.00	0	0.7149	0.5656
WE4.2	EUGLENO	SAV1	BP	0	0	0.00	0	0.4792	0.3593

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
WE4.2	EUGLENO	SAV2	BP	32	0	0.00	0	0.5174	0.0758
WE4.2	EUGLENO	Spring1	BP	128	0	0.00	0	0.1638	0.4554
WE4.2	EUGLENO	Spring2	BP	448	0	0.00	0	0.1645	0.4516
WE4.2	EUGLENO	Summer1	BP	32	0	0.00	0	0.8990	0.0610
WE4.2	EUGLENO	Summer2	BP	16	0	0.00	0	0.9814	0.0465
WE4.2	EUGLENO	Winter	BP	0	0	0.00	0	0.9139	0.3738
WE4.2	EUGLEN_C	Annual	BP	0	0	0.00	0	0.7902	0.0962
WE4.2	EUGLEN_C	Fall	BP	0	0	0.00	0	0.7128	0.7168
WE4.2	EUGLEN_C	SAV1	BP	0	0	0.00	0	0.5756	0.3156
WE4.2	EUGLEN_C	SAV2	BP	2424	0	0.00	0	0.6365	0.0412
WE4.2	EUGLEN_C	Spring1	BP	7811	0	0.00	0	0.2918	0.3436
WE4.2	EUGLEN_C	Spring2	BP	33932	0	0.00	0	0.3011	0.3157
WE4.2	EUGLEN_C	Summer1	BP	2424	0	0.00	0	0.8603	0.0407
WE4.2	EUGLEN_C	Summer2	BP	1212	0	0.00	0	0.8998	0.0330
WE4.2	EUGLEN_C	Winter	BP	0	0	0.00	0	0.9526	0.5461
WE4.2	PICO	Annual	AP	52700000	105644	2.41	1267733	0.8249	0.6063
WE4.2	PICO	Fall	AP	37900000	659611	20.88	7915333	0.7536	0.2048
WE4.2	PICO	SAV1	AP	52700000	289250	6.59	3471000	0.9940	0.2925
WE4.2	PICO	SAV2	AP	278750000	-243178	-1.05	-2918138	0.5647	0.7681
WE4.2	PICO	Spring1	AP	7300000	104011	17.10	1248131	0.9938	0.5794
WE4.2	PICO	Spring2	AP	69550000	-344625	-5.95	-4135500	0.2926	0.5264
WE4.2	PICO	Summer1	AP	667000000	-15523167	-27.93	-186278004	0.5052	0.2459
WE4.2	PICO	Summer2	AP	793000000	-4720000	-7.14	-56640000	0.6288	0.6613
WE4.2	PICO	Winter	AP	10975000	170200	18.61	2042400	0.7679	0.4793
WE4.2	PICO	Annual	BP	48900000	-17333	-0.43	-208000	0.3592	0.9848
WE4.2	PICO	Fall	BP	38900000	1333333	41.13	16000000	0.7536	0.0909
WE4.2	PICO	SAV1	BP	48900000	715724	17.56	8588690	0.7206	0.1269
WE4.2	PICO	SAV2	BP	141275000	-203681	-1.73	-2444167	0.1112	0.8059
WE4.2	PICO	Spring1	BP	5240000	-1404	-0.32	-16850	0.8766	1.0000
WE4.2	PICO	Spring2	BP	56700000	-413085	-8.74	-4957024	0.3737	0.5264
WE4.2	PICO	Summer1	BP	335000000	-10521143	-37.69	-126253716	0.1246	0.1758
WE4.2	PICO	Summer2	BP	383000000	-8720200	-27.32	-104642400	0.0852	0.4652
WE4.2	PICO	Winter	BP	13300000	-39000	-3.52	-468000	0.4999	0.7032
WE4.2	PICO_C	Annual	AP	79050000	158467	2.41	1901600	0.8249	0.6063
WE4.2	PICO_C	Fall	AP	56850000	989417	20.88	11873000	0.7536	0.2048
WE4.2	PICO_C	SAV1	AP	79050000	433875	6.59	5206500	0.9940	0.2925
WE4.2	PICO_C	SAV2	AP	418125000	-364767	-1.05	-4377207	0.5647	0.7681
WE4.2	PICO_C	Spring1	AP	10950000	156016	17.10	1872197	0.9938	0.5794
WE4.2	PICO_C	Spring2	AP	104325000	-516938	-5.95	-6203250	0.2926	0.5264
WE4.2	PICO_C	Summer1	AP	1000500000	-23284750	-27.93	-279417000	0.5052	0.2459
WE4.2	PICO_C	Summer2	AP	1189500000	-7080000	-7.14	-84960000	0.6288	0.6613
WE4.2	PICO_C	Winter	AP	16462500	255300	18.61	3063600	0.7679	0.4793
WE4.2	PICO_C	Annual	BP	73350000	-26000	-0.43	-312000	0.3592	0.9848
WE4.2	PICO_C	Fall	BP	58350000	2000000	41.13	24000000	0.7536	0.0909
WE4.2	PICO_C	SAV1	BP	73350000	1073586	17.56	12883035	0.7206	0.1269
WE4.2	PICO_C	SAV2	BP	211912500	-305521	-1.73	-3666250	0.1112	0.8059
WE4.2	PICO_C	Spring1	BP	7860000	-2106	-0.32	-25275	0.8766	1.0000
WE4.2	PICO_C	Spring2	BP	85050000	-619628	-8.74	-7435536	0.3737	0.5264
WE4.2	PICO_C	Summer1	BP	502500000	-15781714	-37.69	-189380568	0.1246	0.1758
WE4.2	PICO_C	Summer2	BP	574500000	-13080300	-27.32	-156963600	0.0852	0.4652
WE4.2	PICO_C	Winter	BP	19950000	-58500	-3.52	-702000	0.4999	0.7032
WE4.2	N_SP	Annual	AP	41.50	0.10	3.86	1.60	0.7492	0.4049
WE4.2	N_SP	Fall	AP	36.00	0.00	0.00	0.00	0.6199	0.9619
WE4.2	N_SP	SAV1	AP	41.50	0.00	0.00	0.00	0.9147	0.7244
WE4.2	N_SP	SAV2	AP	41.50	0.22	8.48	3.52	0.5029	0.2633
WE4.2	N_SP	Spring1	AP	41.50	0.00	0.00	0.00	0.7040	0.7733

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
WE4.2	N_SP	Spring2	AP	41.50	0.00	0.00	0.00	0.6850	0.7937
WE4.2	N_SP	Summer1	AP	41.50	0.33	12.72	5.28	0.2154	0.2294
WE4.2	N_SP	Summer2	AP	38.00	0.41	17.26	6.56	0.2318	0.1049
WE4.2	N_SP	Winter	AP	48.00	0.00	0.00	0.00	0.4021	0.8887
WE4.2	N_SP	Annual	BP	41.25	0.11	4.27	1.76	0.8724	0.3778
WE4.2	N_SP	Fall	BP	35.75	0.25	11.19	4.00	0.4218	0.2722
WE4.2	N_SP	SAV1	BP	41.00	0.18	7.02	2.88	0.6901	0.3422
WE4.2	N_SP	SAV2	BP	41.00	0.00	0.00	0.00	0.9808	0.8207
WE4.2	N_SP	Spring1	BP	42.50	0.17	6.00	2.55	0.6876	0.6024
WE4.2	N_SP	Spring2	BP	38.50	0.17	6.62	2.55	0.7269	0.6392
WE4.2	N_SP	Summer1	BP	41.00	0.06	2.34	0.96	0.8217	0.7357
WE4.2	N_SP	Summer2	BP	41.25	0.00	0.00	0.00	0.8557	0.9429
WE4.2	N_SP	Winter	BP	44.50	-0.20	-6.74	-3.00	0.2412	0.6759
WE4.2	N_GENERA	Annual	AP	32.25	0.17	8.43	2.72	0.4015	0.0855
WE4.2	N_GENERA	Fall	AP	29.00	-0.03	-1.66	-0.48	0.9493	0.6492
WE4.2	N_GENERA	SAV1	AP	32.50	0.07	3.45	1.12	0.7559	0.5252
WE4.2	N_GENERA	SAV2	AP	32.00	0.31	15.50	4.96	0.5091	0.0477
WE4.2	N_GENERA	Spring1	AP	32.50	0.32	14.77	4.80	0.3965	0.3472
WE4.2	N_GENERA	Spring2	AP	31.00	0.45	21.77	6.75	0.8030	0.1288
WE4.2	N_GENERA	Summer1	AP	31.00	0.33	17.03	5.28	0.3317	0.0723
WE4.2	N_GENERA	Summer2	AP	30.75	0.34	17.69	5.44	0.2002	0.0774
WE4.2	N_GENERA	Winter	AP	35.00	0.20	8.57	3.00	0.0674	0.2317
WE4.2	N_GENERA	Annual	BP	31.75	0.14	7.06	2.24	0.8161	0.1398
WE4.2	N_GENERA	Fall	BP	31.00	0.11	5.68	1.76	0.7774	0.5182
WE4.2	N_GENERA	SAV1	BP	30.00	0.17	9.07	2.72	0.8869	0.2171
WE4.2	N_GENERA	SAV2	BP	30.50	0.08	4.20	1.28	0.9276	0.4080
WE4.2	N_GENERA	Spring1	BP	33.50	0.18	8.06	2.70	0.5147	0.4184
WE4.2	N_GENERA	Spring2	BP	29.50	0.19	9.66	2.85	0.5132	0.4180
WE4.2	N_GENERA	Summer1	BP	30.50	0.13	6.82	2.08	0.7312	0.3209
WE4.2	N_GENERA	Summer2	BP	32.25	0.05	2.48	0.80	0.8021	0.6674
WE4.2	N_GENERA	Winter	BP	33.00	0.11	5.00	1.65	0.0616	0.6755
WE4.2	SHANNON	Annual	AP	2.39	0.05	33.47	0.80	0.7776	<0.0001
WE4.2	SHANNON	Fall	AP	2.03	0.06	47.29	0.96	0.4389	0.0001
WE4.2	SHANNON	SAV1	AP	2.03	0.05	39.41	0.80	0.8049	<0.0001
WE4.2	SHANNON	SAV2	AP	2.76	0.04	23.19	0.64	0.9951	<0.0001
WE4.2	SHANNON	Spring1	AP	3.04	0.05	24.67	0.75	0.9760	0.0080
WE4.2	SHANNON	Spring2	AP	3.04	0.04	19.74	0.60	0.9499	0.0109
WE4.2	SHANNON	Summer1	AP	2.76	0.04	23.19	0.64	0.9901	0.0025
WE4.2	SHANNON	Summer2	AP	2.84	0.05	28.17	0.80	0.9843	0.0058
WE4.2	SHANNON	Winter	AP	1.87	0.02	16.04	0.30	0.0777	0.2810
WE4.2	SHANNON	Annual	BP	2.52	0.03	19.05	0.48	0.9527	<0.0001
WE4.2	SHANNON	Fall	BP	2.40	0.03	20.00	0.48	0.4223	0.0102
WE4.2	SHANNON	SAV1	BP	2.90	0.03	16.55	0.48	0.8126	0.0002
WE4.2	SHANNON	SAV2	BP	2.69	0.03	17.84	0.48	0.8973	0.0009
WE4.2	SHANNON	Spring1	BP	3.08	0.04	19.48	0.60	0.6868	0.0168
WE4.2	SHANNON	Spring2	BP	2.91	0.05	25.77	0.75	0.6981	0.0145
WE4.2	SHANNON	Summer1	BP	2.53	0.03	18.97	0.48	0.7251	0.0131
WE4.2	SHANNON	Summer2	BP	2.60	0.03	18.46	0.48	0.5177	0.0323
WE4.2	SHANNON	Winter	BP	1.80	0.04	33.33	0.60	0.5581	0.1982
WE4.2	EVENNESS	Annual	AP	0.44	0.01	36.36	0.16	0.7276	<0.0001
WE4.2	EVENNESS	Fall	AP	0.39	0.01	41.03	0.16	0.3754	<0.0001
WE4.2	EVENNESS	SAV1	AP	0.38	0.01	42.11	0.16	0.7656	<0.0001
WE4.2	EVENNESS	SAV2	AP	0.50	0.01	32.00	0.16	0.9697	<0.0001
WE4.2	EVENNESS	Spring1	AP	0.59	0.01	25.42	0.15	0.9655	0.0036
WE4.2	EVENNESS	Spring2	AP	0.59	0.01	25.42	0.15	0.7694	0.0109
WE4.2	EVENNESS	Summer1	AP	0.50	0.01	32.00	0.16	0.9097	0.0025

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
WE4.2	EVENNESS	Summer2	AP	0.51	0.01	31.37	0.16	0.9710	0.0032
WE4.2	EVENNESS	Winter	AP	0.34	0.00	0.00	0.00	0.1383	0.2810
WE4.2	EVENNESS	Annual	BP	0.49	0.01	32.65	0.16	0.9563	<0.0001
WE4.2	EVENNESS	Fall	BP	0.47	0.01	34.04	0.16	0.4993	0.0408
WE4.2	EVENNESS	SAV1	BP	0.54	0.01	29.63	0.16	0.7701	0.0008
WE4.2	EVENNESS	SAV2	BP	0.49	0.01	32.65	0.16	0.8582	0.0006
WE4.2	EVENNESS	Spring1	BP	0.57	0.01	26.32	0.15	0.5006	0.0254
WE4.2	EVENNESS	Spring2	BP	0.55	0.01	27.27	0.15	0.5952	0.0080
WE4.2	EVENNESS	Summer1	BP	0.48	0.00	0.00	0.00	0.7952	0.0071
WE4.2	EVENNESS	Summer2	BP	0.49	0.00	0.00	0.00	0.6120	0.0254
WE4.2	EVENNESS	Winter	BP	0.33	0.01	45.45	0.15	0.5072	0.1750
TF3.3	TOTABUND	Annual	AP	4890501	1099930	337.37	16498945	0.5470	<0.0001
TF3.3	TOTABUND	Fall	AP	4149222	1813463	655.59	27201939	0.7388	<0.0001
TF3.3	TOTABUND	SAV1	AP	3502567	1098742	470.54	16481124	0.5547	<0.0001
TF3.3	TOTABUND	SAV2	AP	5315567	1780789	502.52	26711841	0.2938	<0.0001
TF3.3	TOTABUND	Spring1	AP	3528013	645968	274.65	9689514	0.4362	0.0036
TF3.3	TOTABUND	Spring2	AP	4336168	992944	343.49	14894164	0.0576	0.0001
TF3.3	TOTABUND	Summer1	AP	6370297	2363938	556.63	35459067	0.3545	<0.0001
TF3.3	TOTABUND	Summer2	AP	7344052	2505119	511.66	37576791	0.8528	0.0004
TF3.3	TOTABUND	Winter	AP	39240562	242612	8.66	3396566	0.8892	0.1062
TF3.3	TOTABUND	Annual	BP	4248219	1373016	484.80	20595240	0.9819	<0.0001
TF3.3	TOTABUND	Fall	BP	3848972	1614505	629.20	24217572	0.6437	<0.0001
TF3.3	TOTABUND	SAV1	BP	3651277	1633130	670.91	24496950	0.8043	<0.0001
TF3.3	TOTABUND	SAV2	BP	5963939	2074550	521.77	31118248	0.9426	<0.0001
TF3.3	TOTABUND	Spring1	BP	3651277	1235999	507.77	18539984	0.4847	<0.0001
TF3.3	TOTABUND	Spring2	BP	5188451	1862198	538.37	27932973	0.6024	<0.0001
TF3.3	TOTABUND	Summer1	BP	7103844	2274021	480.17	34110315	0.8512	<0.0001
TF3.3	TOTABUND	Summer2	BP	7639445	2391790	469.63	35876845	0.7006	<0.0001
TF3.3	TOTABUND	Winter	BP	2782099	546965	275.24	7657512	0.6891	0.0002
TF3.3	TOTBMASS	Annual	AP	94399534	40103832	637.25	601557478	0.5406	<0.0001
TF3.3	TOTBMASS	Fall	AP	84678815	30918694	547.69	463780413	0.3649	<0.0001
TF3.3	TOTBMASS	SAV1	AP	81680308	45110769	828.43	676661537	0.4033	<0.0001
TF3.3	TOTBMASS	SAV2	AP	100460479	71411128	1066.26	1071166914	0.5477	<0.0001
TF3.3	TOTBMASS	Spring1	AP	91550877	29491647	483.20	442374698	0.2207	0.0003
TF3.3	TOTBMASS	Spring2	AP	100460479	72478898	1082.20	1087183473	0.1180	<0.0001
TF3.3	TOTBMASS	Summer1	AP	150188729	77820723	777.23	1167310844	0.8775	<0.0001
TF3.3	TOTBMASS	Summer2	AP	213626686	73221515	514.13	1098322718	0.9287	<0.0001
TF3.3	TOTBMASS	Winter	AP	1427123467	19002032	18.64	266028445	0.5709	0.0563
TF3.3	TOTBMASS	Annual	BP	121839805	48681961	599.34	730229412	0.5727	<0.0001
TF3.3	TOTBMASS	Fall	BP	84813492	43482118	769.02	652231764	0.6703	<0.0001
TF3.3	TOTBMASS	SAV1	BP	101220635	52597464	779.45	788961956	0.8704	<0.0001
TF3.3	TOTBMASS	SAV2	BP	156682905	76578262	733.12	1148673928	0.9384	<0.0001
TF3.3	TOTBMASS	Spring1	BP	101220635	43881138	650.28	658217065	0.5563	0.0013
TF3.3	TOTBMASS	Spring2	BP	158036502	83529772	792.82	1252946583	0.5991	<0.0001
TF3.3	TOTBMASS	Summer1	BP	167460083	81578564	730.73	1223678452	0.6816	<0.0001
TF3.3	TOTBMASS	Summer2	BP	165113240	73471808	667.47	1102077126	0.7492	<0.0001
TF3.3	TOTBMASS	Winter	BP	96428767	27789936	403.47	389059103	0.0467	0.0033
TF3.3	RATIO	Annual	AP	24.04	0.87	54.28	13.05	0.2413	0.0081
TF3.3	RATIO	Fall	AP	21.58	0.34	23.63	5.10	0.3111	0.4355
TF3.3	RATIO	SAV1	AP	23.22	1.12	72.35	16.80	0.1539	0.0274
TF3.3	RATIO	SAV2	AP	23.22	1.16	74.94	17.40	0.1213	0.0044
TF3.3	RATIO	Spring1	AP	24.08	1.47	91.57	22.05	0.0359	0.0544
TF3.3	RATIO	Spring2	AP	21.84	2.01	138.05	30.15	0.0430	0.0080
TF3.3	RATIO	Summer1	AP	24.73	0.74	44.88	11.10	0.3614	0.1169
TF3.3	RATIO	Summer2	AP	24.73	0.44	26.69	6.60	0.4084	0.4392
TF3.3	RATIO	Winter	AP	33.49	0.72	30.10	10.08	0.3254	0.3398

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF3.3	RATIO	Annual	BP	25.83	0.74	42.97	11.10	0.6938	0.0075
TF3.3	RATIO	Fall	BP	22.28	0.46	30.97	6.90	0.3957	0.2985
TF3.3	RATIO	SAV1	BP	28.10	0.17	9.07	2.55	0.8752	0.6327
TF3.3	RATIO	SAV2	BP	25.11	0.80	47.79	12.00	0.5957	0.0170
TF3.3	RATIO	Spring1	BP	29.28	0.28	14.34	4.20	0.4292	0.7159
TF3.3	RATIO	Spring2	BP	34.37	1.29	56.30	19.35	0.3707	0.1142
TF3.3	RATIO	Summer1	BP	21.66	1.06	73.41	15.90	0.5952	0.0086
TF3.3	RATIO	Summer2	BP	21.18	0.79	55.95	11.85	0.4308	0.0409
TF3.3	RATIO	Winter	BP	34.11	1.02	41.86	14.28	0.5004	0.2120
TF3.3	MARGALEF	Annual	AP	1.54	0.02	19.48	0.30	0.9030	0.0268
TF3.3	MARGALEF	Fall	AP	1.46	0.00	0.00	0.00	0.4155	0.8353
TF3.3	MARGALEF	SAV1	AP	1.46	0.01	10.27	0.15	0.8454	0.2701
TF3.3	MARGALEF	SAV2	AP	1.62	0.02	18.52	0.30	0.8482	0.0225
TF3.3	MARGALEF	Spring1	AP	1.58	0.01	9.49	0.15	0.8572	0.3494
TF3.3	MARGALEF	Spring2	AP	1.62	0.02	18.52	0.30	0.2951	0.1142
TF3.3	MARGALEF	Summer1	AP	1.72	0.03	26.16	0.45	0.6198	0.0318
TF3.3	MARGALEF	Summer2	AP	1.96	0.02	15.31	0.30	0.9767	0.2241
TF3.3	MARGALEF	Winter	AP	1.49	0.02	18.79	0.28	0.9270	0.2708
TF3.3	MARGALEF	Annual	BP	1.70	0.02	17.65	0.30	0.9642	0.0016
TF3.3	MARGALEF	Fall	BP	1.51	0.03	29.80	0.45	0.9919	0.0290
TF3.3	MARGALEF	SAV1	BP	1.63	0.02	18.40	0.30	0.6914	0.0301
TF3.3	MARGALEF	SAV2	BP	1.80	0.02	16.67	0.30	0.8887	0.0585
TF3.3	MARGALEF	Spring1	BP	1.43	0.02	20.98	0.30	0.3111	0.1188
TF3.3	MARGALEF	Spring2	BP	1.72	0.01	8.72	0.15	0.7468	0.5380
TF3.3	MARGALEF	Summer1	BP	1.80	0.02	16.67	0.30	0.7426	0.1169
TF3.3	MARGALEF	Summer2	BP	1.81	0.02	16.57	0.30	0.6159	0.1090
TF3.3	MARGALEF	Winter	BP	1.52	0.01	9.21	0.14	0.9058	0.3783
TF3.3	DIATOM	Annual	AP	2364886	380685	241.46	5710279	0.4737	<0.0001
TF3.3	DIATOM	Fall	AP	1642213	447542	408.79	6713127	0.6131	<0.0001
TF3.3	DIATOM	SAV1	AP	2079616	525763	379.23	7886448	0.3167	<0.0001
TF3.3	DIATOM	SAV2	AP	2364886	589555	373.94	8843328	0.5463	<0.0001
TF3.3	DIATOM	Spring1	AP	2808887	220357	117.68	3305357	0.6721	0.0426
TF3.3	DIATOM	Spring2	AP	2808887	356424	190.34	5346366	0.3978	0.0068
TF3.3	DIATOM	Summer1	AP	2782737	656332	353.79	9844983	0.9688	<0.0001
TF3.3	DIATOM	Summer2	AP	2909569	722639	372.55	10839580	0.9300	<0.0001
TF3.3	DIATOM	Winter	AP	27369930	91445	4.68	1280228	0.7315	0.3398
TF3.3	DIATOM	Annual	BP	2564384	522077	305.38	7831160	0.3376	<0.0001
TF3.3	DIATOM	Fall	BP	1143013	660947	867.37	9914199	0.5809	<0.0001
TF3.3	DIATOM	SAV1	BP	2222621	813083	548.73	12196250	0.1672	<0.0001
TF3.3	DIATOM	SAV2	BP	3547893	806115	340.81	12091721	0.4414	<0.0001
TF3.3	DIATOM	Spring1	BP	2969732	475655	240.25	7134829	0.2137	0.0109
TF3.3	DIATOM	Spring2	BP	3675459	782287	319.26	11734308	0.3777	0.0003
TF3.3	DIATOM	Summer1	BP	4448707	769223	259.36	11538344	0.3852	<0.0001
TF3.3	DIATOM	Summer2	BP	4458450	799782	269.08	11996732	0.2248	0.0002
TF3.3	DIATOM	Winter	BP	2273749	117944	72.62	1651217	0.9506	0.0913
TF3.3	DIATOM_C	Annual	AP	64193278	27204216	635.68	408063235	0.5912	<0.0001
TF3.3	DIATOM_C	Fall	AP	28753789	23011285	1200.43	345169270	0.2374	<0.0001
TF3.3	DIATOM_C	SAV1	AP	52260593	29433485	844.81	441502273	0.6733	<0.0001
TF3.3	DIATOM_C	SAV2	AP	72419559	35289496	730.94	529342446	0.9175	<0.0001
TF3.3	DIATOM_C	Spring1	AP	77981323	23570400	453.39	353555995	0.3401	0.0001
TF3.3	DIATOM_C	Spring2	AP	72419559	37148016	769.43	557220242	0.4997	<0.0001
TF3.3	DIATOM_C	Summer1	AP	80032918	40463578	758.38	606953673	0.8928	<0.0001
TF3.3	DIATOM_C	Summer2	AP	127095384	37404399	441.45	561065978	0.7824	<0.0001
TF3.3	DIATOM_C	Winter	AP	1145276044	14263954	17.44	199695352	0.5760	0.0398
TF3.3	DIATOM_C	Annual	BP	87288417	31451941	540.48	471779115	0.3352	<0.0001
TF3.3	DIATOM_C	Fall	BP	25652459	30831120	1802.82	462466803	0.4155	<0.0001

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF3.3	DIATOM_C	SAV1	BP	63950844	38822037	910.59	582330550	0.3843	<0.0001
TF3.3	DIATOM_C	SAV2	BP	90401755	43626772	723.88	654401574	0.7315	<0.0001
TF3.3	DIATOM_C	Spring1	BP	91698957	24683292	403.77	370249383	0.8480	0.0022
TF3.3	DIATOM_C	Spring2	BP	119874715	46051290	576.24	690769344	0.3568	<0.0001
TF3.3	DIATOM_C	Summer1	BP	118945300	43371648	546.95	650574715	0.4734	<0.0001
TF3.3	DIATOM_C	Summer2	BP	117154314	41054143	525.64	615812140	0.4906	<0.0001
TF3.3	DIATOM_C	Winter	BP	88328412	13680689	216.84	191529640	0.0402	0.0016
TF3.3	DINOFLG	Annual	AP	15059	0	0.00	0	0.7617	0.8243
TF3.3	DINOFLG	Fall	AP	80576	-1618	-30.13	-24274	0.9417	0.1096
TF3.3	DINOFLG	SAV1	AP	12563	-8	-0.96	-120	0.9491	0.3229
TF3.3	DINOFLG	SAV2	AP	22128	0	0.00	0	0.6304	0.8865
TF3.3	DINOFLG	Spring1	AP	896	0	0.00	0	0.8657	0.6333
TF3.3	DINOFLG	Spring2	AP	2432	0	0.00	0	0.3447	0.8490
TF3.3	DINOFLG	Summer1	AP	26165	1088	62.37	16320	0.7782	0.2173
TF3.3	DINOFLG	Summer2	AP	41944	730	26.10	10948	0.7751	0.4888
TF3.3	DINOFLG	Winter	AP	0	0	0.00	0	0.2502	0.6255
TF3.3	DINOFLG	Annual	BP	2880	0	0.00	0	0.9206	0.3713
TF3.3	DINOFLG	Fall	BP	46697	0	0.00	0	0.4432	0.6349
TF3.3	DINOFLG	SAV1	BP	5760	0	0.00	0	0.6772	0.2689
TF3.3	DINOFLG	SAV2	BP	8192	0	0.00	0	0.7579	0.6236
TF3.3	DINOFLG	Spring1	BP	832	0	0.00	0	0.2729	0.4862
TF3.3	DINOFLG	Spring2	BP	2880	0	0.00	0	0.2996	0.7326
TF3.3	DINOFLG	Summer1	BP	17625	0	0.00	0	0.9887	0.9422
TF3.3	DINOFLG	Summer2	BP	17625	38	3.26	574	0.9747	0.8463
TF3.3	DINOFLG	Winter	BP	640	0	0.00	0	0.7216	0.3602
TF3.3	DINOFL_C	Annual	AP	1228133	0	0.00	0	0.7771	0.3821
TF3.3	DINOFL_C	Fall	AP	2376747	0	0.00	0	0.7896	0.8957
TF3.3	DINOFL_C	SAV1	AP	881362	0	0.00	0	0.6202	0.9406
TF3.3	DINOFL_C	SAV2	AP	1279856	12564	14.72	188454	0.5082	0.2767
TF3.3	DINOFL_C	Spring1	AP	200711	-770	-5.76	-11552	0.9076	0.3541
TF3.3	DINOFL_C	Spring2	AP	836410	0	0.00	0	0.3805	0.8068
TF3.3	DINOFL_C	Summer1	AP	1279856	368318	431.67	5524763	0.9293	0.0230
TF3.3	DINOFL_C	Summer2	AP	1613256	383836	356.89	5757537	0.8074	0.0405
TF3.3	DINOFL_C	Winter	AP	0	0	0.00	0	0.3455	0.7146
TF3.3	DINOFL_C	Annual	BP	607233	0	0.00	0	0.7448	0.8890
TF3.3	DINOFL_C	Fall	BP	1190723	0	0.00	0	0.8088	0.8330
TF3.3	DINOFL_C	SAV1	BP	848139	0	0.00	0	0.5106	0.9848
TF3.3	DINOFL_C	SAV2	BP	1025393	0	0.00	0	0.4412	0.5736
TF3.3	DINOFL_C	Spring1	BP	254219	0	0.00	0	0.1834	0.7183
TF3.3	DINOFL_C	Spring2	BP	747239	0	0.00	0	0.1761	0.6701
TF3.3	DINOFL_C	Summer1	BP	1094847	28021	38.39	420320	0.6223	0.3335
TF3.3	DINOFL_C	Summer2	BP	1094847	154930	212.26	2323952	0.9566	0.1422
TF3.3	DINOFL_C	Winter	BP	192300	0	0.00	0	0.9481	0.3409
TF3.3	CYANO	Annual	AP	244189	301796	1853.87	4526940	0.7191	<0.0001
TF3.3	CYANO	Fall	AP	244189	371471	2281.87	5572069	0.2394	0.0001
TF3.3	CYANO	SAV1	AP	176484	273694	2326.23	4105412	0.4903	<0.0001
TF3.3	CYANO	SAV2	AP	82925	508595	9199.79	7628928	0.3223	<0.0001
TF3.3	CYANO	Spring1	AP	287707	155007	808.15	2325109	0.4554	0.0011
TF3.3	CYANO	Spring2	AP	82925	288304	5215.02	4324555	0.3213	0.0006
TF3.3	CYANO	Summer1	AP	73805	1012606	20580.03	15189089	0.4156	0.0002
TF3.3	CYANO	Summer2	AP	736741	1306017	2659.04	19590257	0.5658	0.0080
TF3.3	CYANO	Winter	AP	4597799	125142	38.11	1751992	0.9082	0.0228
TF3.3	CYANO	Annual	BP	549451	352770	963.06	5291556	0.9932	<0.0001
TF3.3	CYANO	Fall	BP	626939	519550	1243.06	7793244	0.7570	<0.0001
TF3.3	CYANO	SAV1	BP	616944	402660	979.00	6039902	0.8043	<0.0001
TF3.3	CYANO	SAV2	BP	616944	511915	1244.64	7678720	0.9878	<0.0001

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF3.3	CYANO	Spring1	BP	616944	134567	327.18	2018503	0.8480	0.0036
TF3.3	CYANO	Spring2	BP	616944	179503	436.43	2692542	0.9136	0.0058
TF3.3	CYANO	Summer1	BP	577215	761982	1980.15	11429727	0.9766	0.0001
TF3.3	CYANO	Summer2	BP	998990	1055866	1585.40	15837988	0.9098	0.0006
TF3.3	CYANO	Winter	BP	208519	220053	1477.44	3080744	0.8434	0.0007
TF3.3	CYANO_C	Annual	AP	1846739	1077071	874.84	16156063	0.4944	<0.0001
TF3.3	CYANO_C	Fall	AP	1004652	1253873	1872.10	18808096	0.1496	0.0007
TF3.3	CYANO_C	SAV1	AP	1918611	960942	751.28	14414127	0.2205	<0.0001
TF3.3	CYANO_C	SAV2	AP	1409104	2329141	2479.38	34937115	0.2559	<0.0001
TF3.3	CYANO_C	Spring1	AP	2205989	410241	278.95	6153609	0.4033	0.0126
TF3.3	CYANO_C	Spring2	AP	1480976	700663	709.66	10509940	0.0702	0.0012
TF3.3	CYANO_C	Summer1	AP	1103550	4578102	6222.79	68671531	0.6086	<0.0001
TF3.3	CYANO_C	Summer2	AP	9856110	6685734	1017.50	100286003	0.7547	0.0001
TF3.3	CYANO_C	Winter	AP	162796022	414381	3.56	5801338	0.9698	0.0276
TF3.3	CYANO_C	Annual	BP	2086482	1251869	899.99	18778040	0.7852	<0.0001
TF3.3	CYANO_C	Fall	BP	1301399	1903649	2194.16	28554732	0.7408	<0.0001
TF3.3	CYANO_C	SAV1	BP	2393500	1142013	715.70	17130193	0.6800	<0.0001
TF3.3	CYANO_C	SAV2	BP	2832873	1916382	1014.72	28745723	0.6226	<0.0001
TF3.3	CYANO_C	Spring1	BP	3003617	557095	278.21	8356427	0.4066	0.0126
TF3.3	CYANO_C	Spring2	BP	3442989	469241	204.43	7038618	0.5213	0.0229
TF3.3	CYANO_C	Summer1	BP	2525855	3804550	2259.36	57068254	0.8862	<0.0001
TF3.3	CYANO_C	Summer2	BP	7132076	5876221	1235.87	88143308	0.8515	<0.0001
TF3.3	CYANO_C	Winter	BP	3513752	479138	190.91	6707928	0.3603	0.0398
TF3.3	CHLORO	Annual	AP	165415	83598	758.08	1253975	0.9206	<0.0001
TF3.3	CHLORO	Fall	AP	104936	62262	890.00	933935	0.5130	0.0007
TF3.3	CHLORO	SAV1	AP	124395	73035	880.68	1095520	0.8183	<0.0001
TF3.3	CHLORO	SAV2	AP	177611	141030	1191.06	2115456	0.8840	<0.0001
TF3.3	CHLORO	Spring1	AP	136491	69728	766.30	1045920	0.8689	0.0001
TF3.3	CHLORO	Spring2	AP	238424	128317	807.28	1924755	0.7144	<0.0001
TF3.3	CHLORO	Summer1	AP	259465	148784	860.14	2231757	0.5259	<0.0001
TF3.3	CHLORO	Summer2	AP	331488	121994	552.03	1829905	0.8059	0.0007
TF3.3	CHLORO	Winter	AP	1267350	51414	56.80	719795	0.4462	0.0154
TF3.3	CHLORO	Annual	BP	48512	84935	2626.21	1274027	0.9729	<0.0001
TF3.3	CHLORO	Fall	BP	84957	89066	1572.55	1335993	0.8480	<0.0001
TF3.3	CHLORO	SAV1	BP	54882	101551	2775.53	1523268	0.7007	<0.0001
TF3.3	CHLORO	SAV2	BP	100543	116629	1739.99	1749440	0.8951	<0.0001
TF3.3	CHLORO	Spring1	BP	32163	88831	4142.86	1332468	0.9869	<0.0001
TF3.3	CHLORO	Spring2	BP	42073	119864	4273.44	1797963	0.9789	<0.0001
TF3.3	CHLORO	Summer1	BP	122778	125107	1528.46	1876609	0.5844	<0.0001
TF3.3	CHLORO	Summer2	BP	248769	118200	712.71	1772996	0.3925	0.0006
TF3.3	CHLORO	Winter	BP	123208	41825	475.25	585547	0.6512	0.0066
TF3.3	CHLORO_C	Annual	AP	1749939	4367853	3744.00	65517801	0.9463	<0.0001
TF3.3	CHLORO_C	Fall	AP	812136	2330889	4305.11	34963329	0.6649	0.0009
TF3.3	CHLORO_C	SAV1	AP	1132620	4075098	5396.91	61126473	0.8551	<0.0001
TF3.3	CHLORO_C	SAV2	AP	3532021	9189075	3902.47	137836127	0.9966	<0.0001
TF3.3	CHLORO_C	Spring1	AP	2819101	4052487	2156.27	60787302	0.8077	<0.0001
TF3.3	CHLORO_C	Spring2	AP	3712975	9436833	3812.37	141552494	0.9531	<0.0001
TF3.3	CHLORO_C	Summer1	AP	3805262	11959623	4714.38	179394346	0.9356	<0.0001
TF3.3	CHLORO_C	Summer2	AP	3805262	10563795	4164.15	158456926	0.9869	<0.0001
TF3.3	CHLORO_C	Winter	AP	10160004	1685592	232.27	23598284	0.5390	0.0154
TF3.3	CHLORO_C	Annual	BP	952968	3495406	5501.88	52431092	0.9983	<0.0001
TF3.3	CHLORO_C	Fall	BP	1480569	2673795	2708.89	40106922	0.9347	<0.0001
TF3.3	CHLORO_C	SAV1	BP	1357041	3230267	3570.56	48453998	0.9558	<0.0001
TF3.3	CHLORO_C	SAV2	BP	1892417	7489762	5936.66	112346430	0.9757	<0.0001
TF3.3	CHLORO_C	Spring1	BP	570543	5185488	13633.03	77782325	0.9397	<0.0001
TF3.3	CHLORO_C	Spring2	BP	343616	12853754	56110.97	192806307	0.9769	<0.0001

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF3.3	CHLORO_C	Summer1	BP	1468460	8092968	8266.79	121394519	0.7829	<0.0001
TF3.3	CHLORO_C	Summer2	BP	2869895	8908334	4656.09	133625017	0.5840	<0.0001
TF3.3	CHLORO_C	Winter	BP	878697	996768	1588.12	13954756	0.7190	0.0020
TF3.3	CRYPTO	Annual	AP	692467	49545	107.32	743170	0.9974	0.0001
TF3.3	CRYPTO	Fall	AP	922713	37978	61.74	569666	0.5400	0.0193
TF3.3	CRYPTO	SAV1	AP	922713	41309	67.15	619628	0.9169	0.0169
TF3.3	CRYPTO	SAV2	AP	862125	54208	94.32	813120	0.9765	0.0031
TF3.3	CRYPTO	Spring1	AP	489802	34743	106.40	521149	0.8783	0.1604
TF3.3	CRYPTO	Spring2	AP	1082303	41114	56.98	616707	0.9156	0.1895
TF3.3	CRYPTO	Summer1	AP	559466	60262	161.57	903936	0.9964	0.0193
TF3.3	CRYPTO	Summer2	AP	559466	62042	166.34	930623	0.9835	0.0357
TF3.3	CRYPTO	Winter	AP	4100705	60676	20.72	849463	0.7325	0.0474
TF3.3	CRYPTO	Annual	BP	370093	51853	210.16	777796	0.8031	<0.0001
TF3.3	CRYPTO	Fall	BP	1161510	19214	24.81	288203	0.6542	0.2985
TF3.3	CRYPTO	SAV1	BP	472653	56006	177.74	840091	0.2621	0.0003
TF3.3	CRYPTO	SAV2	BP	496544	62933	190.11	944000	0.6569	0.0001
TF3.3	CRYPTO	Spring1	BP	220986	76949	522.31	1154232	0.4257	0.0003
TF3.3	CRYPTO	Spring2	BP	370093	89276	361.84	1339140	0.4269	0.0012
TF3.3	CRYPTO	Summer1	BP	534912	66678	186.98	1000167	0.9152	0.0013
TF3.3	CRYPTO	Summer2	BP	477625	63428	199.20	951420	0.7731	0.0057
TF3.3	CRYPTO	Winter	BP	92679	44161	667.10	618255	0.7157	0.1231
TF3.3	CRYPTO_C	Annual	AP	13432767	1199780	133.98	17996696	0.9984	<0.0001
TF3.3	CRYPTO_C	Fall	AP	22154339	911846	61.74	13677684	0.5400	0.0193
TF3.3	CRYPTO_C	SAV1	AP	22154339	1010879	68.44	15163182	0.9345	0.0138
TF3.3	CRYPTO_C	SAV2	AP	18013887	1401385	116.69	21020781	0.9859	0.0025
TF3.3	CRYPTO_C	Spring1	AP	6762976	868389	192.61	13025838	0.9271	0.1316
TF3.3	CRYPTO_C	Spring2	AP	20988926	1076248	76.92	16143724	0.9589	0.1559
TF3.3	CRYPTO_C	Summer1	AP	13432767	1446900	161.57	21703503	0.9964	0.0193
TF3.3	CRYPTO_C	Summer2	AP	13432767	1489618	166.34	22344263	0.9835	0.0357
TF3.3	CRYPTO_C	Winter	AP	98457927	1456830	20.72	20395617	0.7325	0.0474
TF3.3	CRYPTO_C	Annual	BP	8139114	1276180	235.19	19142693	0.8129	<0.0001
TF3.3	CRYPTO_C	Fall	BP	27887855	461317	24.81	6919761	0.6542	0.2985
TF3.3	CRYPTO_C	SAV1	BP	7723993	1373947	266.82	20609201	0.2759	0.0002
TF3.3	CRYPTO_C	SAV2	BP	8885921	1567092	264.54	23506381	0.6875	<0.0001
TF3.3	CRYPTO_C	Spring1	BP	5128071	1863403	545.06	27951041	0.5473	0.0001
TF3.3	CRYPTO_C	Spring2	BP	7546190	2156324	428.62	32344855	0.5150	0.0007
TF3.3	CRYPTO_C	Summer1	BP	12843237	1600935	186.98	24014022	0.9289	0.0011
TF3.3	CRYPTO_C	Summer2	BP	11467764	1522906	199.20	22843594	0.7971	0.0048
TF3.3	CRYPTO_C	Winter	BP	2225211	1060307	667.10	14844301	0.7157	0.1231
TF3.3	PROCARY	Annual	AP	0.08	0.02	375.00	0.30	0.6191	<0.0001
TF3.3	PROCARY	Fall	AP	0.08	0.03	562.50	0.45	0.1609	0.0222
TF3.3	PROCARY	SAV1	AP	0.08	0.02	375.00	0.30	0.3340	0.0002
TF3.3	PROCARY	SAV2	AP	0.03	0.03	1500.00	0.45	0.5103	0.0002
TF3.3	PROCARY	Spring1	AP	0.09	0.02	333.33	0.30	0.4257	0.0109
TF3.3	PROCARY	Spring2	AP	0.03	0.02	1000.00	0.30	0.6276	0.0344
TF3.3	PROCARY	Summer1	AP	0.03	0.05	2500.00	0.75	0.4848	0.0130
TF3.3	PROCARY	Summer2	AP	0.13	0.04	461.54	0.60	0.3137	0.0467
TF3.3	PROCARY	Winter	AP	0.14	0.02	200.00	0.28	0.7115	0.0033
TF3.3	PROCARY	Annual	BP	0.15	0.02	200.00	0.30	0.9391	<0.0001
TF3.3	PROCARY	Fall	BP	0.17	0.04	352.94	0.60	0.9048	0.0022
TF3.3	PROCARY	SAV1	BP	0.16	0.02	187.50	0.30	0.6790	0.0004
TF3.3	PROCARY	SAV2	BP	0.15	0.02	200.00	0.30	0.9143	0.0093
TF3.3	PROCARY	Spring1	BP	0.15	0.01	100.00	0.15	0.3103	0.0482
TF3.3	PROCARY	Spring2	BP	0.15	0.00	0.00	0.00	0.7816	0.2964
TF3.3	PROCARY	Summer1	BP	0.14	0.02	214.29	0.30	0.9008	0.0507
TF3.3	PROCARY	Summer2	BP	0.19	0.04	315.79	0.60	0.8019	0.0603

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF3.3	PROCARY	Winter	BP	0.08	0.03	525.00	0.42	0.8692	0.0102
TF3.3	PROCAR_C	Annual	AP	0.02	0.00	0.00	0.00	0.2921	0.0521
TF3.3	PROCAR_C	Fall	AP	0.01	0.00	0.00	0.00	0.2019	0.2527
TF3.3	PROCAR_C	SAV1	AP	0.03	0.00	0.00	0.00	0.0349	0.3033
TF3.3	PROCAR_C	SAV2	AP	0.01	0.00	0.00	0.00	0.0740	0.1076
TF3.3	PROCAR_C	Spring1	AP	0.04	0.00	0.00	0.00	0.0239	0.9585
TF3.3	PROCAR_C	Spring2	AP	0.02	0.00	0.00	0.00	0.0231	0.9360
TF3.3	PROCAR_C	Summer1	AP	0.00	0.00	0.00	0.00	0.8417	0.0960
TF3.3	PROCAR_C	Summer2	AP	0.02	0.00	0.00	0.00	0.6655	0.1671
TF3.3	PROCAR_C	Winter	AP	0.08	0.00	0.00	0.00	0.8716	0.2401
TF3.3	PROCAR_C	Annual	BP	0.02	0.00	0.00	0.00	0.4849	0.1003
TF3.3	PROCAR_C	Fall	BP	0.01	0.00	0.00	0.00	0.4132	0.2121
TF3.3	PROCAR_C	SAV1	BP	0.02	0.00	0.00	0.00	0.1535	0.1982
TF3.3	PROCAR_C	SAV2	BP	0.01	0.00	0.00	0.00	0.5458	0.6081
TF3.3	PROCAR_C	Spring1	BP	0.05	0.00	0.00	0.00	0.0386	0.4667
TF3.3	PROCAR_C	Spring2	BP	0.04	0.00	0.00	0.00	0.3749	0.4375
TF3.3	PROCAR_C	Summer1	BP	0.01	0.00	0.00	0.00	0.7476	0.5790
TF3.3	PROCAR_C	Summer2	BP	0.06	0.00	0.00	0.00	0.7545	0.3766
TF3.3	PROCAR_C	Winter	BP	0.03	0.00	0.00	0.00	0.4366	0.4193
TF3.3	EUGLENO	Annual	AP	0	0	0.00	0	0.8488	0.0532
TF3.3	EUGLENO	Fall	AP	256	0	0.00	0	0.3401	0.0904
TF3.3	EUGLENO	SAV1	AP	0	0	0.00	0	0.7627	0.0717
TF3.3	EUGLENO	SAV2	AP	0	0	0.00	0	0.7189	0.2052
TF3.3	EUGLENO	Spring1	AP	0	0	0.00	0	0.6770	0.3433
TF3.3	EUGLENO	Spring2	AP	0	0	0.00	0	0.8922	0.8899
TF3.3	EUGLENO	Summer1	AP	0	0	0.00	0	0.4882	0.5500
TF3.3	EUGLENO	Summer2	AP	0	0	0.00	0	0.3691	0.4182
TF3.3	EUGLENO	Winter	AP	0	0	0.00	0	0.8316	0.5358
TF3.3	EUGLENO	Annual	BP	0	0	0.00	0	0.4365	0.0794
TF3.3	EUGLENO	Fall	BP	0	0	0.00	0	0.5079	0.0604
TF3.3	EUGLENO	SAV1	BP	0	0	0.00	0	0.5801	0.0118
TF3.3	EUGLENO	SAV2	BP	0	0	0.00	0	0.1783	0.0818
TF3.3	EUGLENO	Spring1	BP	0	0	0.00	0	0.7920	0.3536
TF3.3	EUGLENO	Spring2	BP	0	0	0.00	0	0.6877	0.4682
TF3.3	EUGLENO	Summer1	BP	0	0	0.00	0	0.0749	0.5316
TF3.3	EUGLENO	Summer2	BP	128	0	0.00	0	0.0364	0.3917
TF3.3	EUGLENO	Winter	BP	0	0	0.00	0	0.7925	0.8523
TF3.3	EUGLEN_C	Annual	AP	0	0	0.00	0	0.8704	0.0344
TF3.3	EUGLEN_C	Fall	AP	205765	0	0.00	0	0.4941	0.0746
TF3.3	EUGLEN_C	SAV1	AP	0	0	0.00	0	0.8670	0.0406
TF3.3	EUGLEN_C	SAV2	AP	0	0	0.00	0	0.6564	0.1597
TF3.3	EUGLEN_C	Spring1	AP	0	0	0.00	0	0.7343	0.2435
TF3.3	EUGLEN_C	Spring2	AP	0	0	0.00	0	0.8134	0.7293
TF3.3	EUGLEN_C	Summer1	AP	0	0	0.00	0	0.4016	0.5337
TF3.3	EUGLEN_C	Summer2	AP	0	0	0.00	0	0.2886	0.4035
TF3.3	EUGLEN_C	Winter	AP	0	0	0.00	0	0.9741	0.5001
TF3.3	EUGLEN_C	Annual	BP	0	0	0.00	0	0.4587	0.0936
TF3.3	EUGLEN_C	Fall	BP	0	0	0.00	0	0.4638	0.0971
TF3.3	EUGLEN_C	SAV1	BP	0	0	0.00	0	0.5679	0.0158
TF3.3	EUGLEN_C	SAV2	BP	0	0	0.00	0	0.1828	0.0826
TF3.3	EUGLEN_C	Spring1	BP	0	0	0.00	0	0.7800	0.3366
TF3.3	EUGLEN_C	Spring2	BP	0	0	0.00	0	0.6751	0.4485
TF3.3	EUGLEN_C	Summer1	BP	0	0	0.00	0	0.0736	0.5319
TF3.3	EUGLEN_C	Summer2	BP	11855	0	0.00	0	0.0358	0.3922
TF3.3	EUGLEN_C	Winter	BP	0	0	0.00	0	0.7538	0.9014
TF3.3	PICO	Annual	AP	68600000	1328000	23.23	15936000	0.2469	0.0033

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF3.3	PICO	Fall	AP	18600000	4679375	301.90	56152500	0.9100	0.0039
TF3.3	PICO	SAV1	AP	68600000	1994500	34.89	23934000	0.7680	0.0134
TF3.3	PICO	SAV2	AP	147300000	3215417	26.19	38585000	0.1302	0.0304
TF3.3	PICO	Spring1	AP	17300000	449233	31.16	5390800	0.6570	0.4285
TF3.3	PICO	Spring2	AP	96000000	-449640	-5.62	-5395680	0.3193	0.8370
TF3.3	PICO	Summer1	AP	243000000	21225333	104.82	254704000	0.0383	0.0679
TF3.3	PICO	Summer2	AP	236000000	33706667	171.39	404480000	0.2071	0.0084
TF3.3	PICO	Winter	AP	19700000	-62850	-3.83	-754200	0.8688	0.8773
TF3.3	PICO	Annual	BP	59600000	973250	19.60	11679000	0.7897	0.0085
TF3.3	PICO	Fall	BP	21500000	4064208	226.84	48770500	0.6690	0.0112
TF3.3	PICO	SAV1	BP	59600000	1290337	25.98	15484039	0.4613	0.0515
TF3.3	PICO	SAV2	BP	143500000	2136000	17.86	25632000	0.9195	0.0501
TF3.3	PICO	Spring1	BP	19900000	65080	3.92	780960	0.5342	0.8742
TF3.3	PICO	Spring2	BP	143000000	348333	2.92	4180000	0.8155	0.5926
TF3.3	PICO	Summer1	BP	238000000	17274167	87.10	207290000	0.5876	0.0920
TF3.3	PICO	Summer2	BP	230000000	31192333	162.74	374308000	0.7605	0.0449
TF3.3	PICO	Winter	BP	24930000	233333	11.23	2800000	0.8237	0.5714
TF3.3	PICO_C	Annual	AP	102900000	1992000	23.23	23904000	0.2469	0.0033
TF3.3	PICO_C	Fall	AP	27900000	7019063	301.90	84228750	0.9100	0.0039
TF3.3	PICO_C	SAV1	AP	102900000	2991750	34.89	35901000	0.7680	0.0134
TF3.3	PICO_C	SAV2	AP	220950000	4823125	26.19	57877500	0.1302	0.0304
TF3.3	PICO_C	Spring1	AP	25950000	673850	31.16	8086200	0.6570	0.4285
TF3.3	PICO_C	Spring2	AP	144000000	-674460	-5.62	-8093520	0.3193	0.8370
TF3.3	PICO_C	Summer1	AP	364500000	31838000	104.82	382056000	0.0383	0.0679
TF3.3	PICO_C	Summer2	AP	354000000	50560000	171.39	606720000	0.2071	0.0084
TF3.3	PICO_C	Winter	AP	29550000	-94275	-3.83	-1131300	0.8688	0.8773
TF3.3	PICO_C	Annual	BP	89400000	1459875	19.60	17518500	0.7897	0.0085
TF3.3	PICO_C	Fall	BP	32250000	6096313	226.84	73155750	0.6690	0.0112
TF3.3	PICO_C	SAV1	BP	89400000	1935505	25.98	23226058	0.4613	0.0515
TF3.3	PICO_C	SAV2	BP	215250000	3204000	17.86	38448000	0.9195	0.0501
TF3.3	PICO_C	Spring1	BP	29850000	97620	3.92	1171440	0.5342	0.8742
TF3.3	PICO_C	Spring2	BP	214500000	522500	2.92	6270000	0.8155	0.5926
TF3.3	PICO_C	Summer1	BP	357000000	25911250	87.10	310935000	0.5876	0.0920
TF3.3	PICO_C	Summer2	BP	345000000	46788500	162.74	561462000	0.7605	0.0449
TF3.3	PICO_C	Winter	BP	37395000	350000	11.23	4200000	0.8237	0.5714
TF3.3	N_SP	Annual	AP	25.00	0.44	26.40	6.60	0.8554	0.0008
TF3.3	N_SP	Fall	AP	23.00	0.25	16.30	3.75	0.2868	0.2959
TF3.3	N_SP	SAV1	AP	23.00	0.35	22.83	5.25	0.6434	0.0366
TF3.3	N_SP	SAV2	AP	25.50	0.64	37.65	9.60	0.7817	0.0022
TF3.3	N_SP	Spring1	AP	25.00	0.33	19.80	4.95	0.6521	0.1036
TF3.3	N_SP	Spring2	AP	25.50	0.56	32.94	8.40	0.2801	0.0375
TF3.3	N_SP	Summer1	AP	28.50	0.90	47.37	13.50	0.5905	0.0110
TF3.3	N_SP	Summer2	AP	32.50	0.63	29.08	9.45	0.9988	0.1271
TF3.3	N_SP	Winter	AP	25.50	0.27	14.82	3.78	0.6530	0.1605
TF3.3	N_SP	Annual	BP	27.00	0.67	37.22	10.05	0.9578	<0.0001
TF3.3	N_SP	Fall	BP	23.50	0.89	56.81	13.35	0.9796	0.0090
TF3.3	N_SP	SAV1	BP	25.50	0.63	37.06	9.45	0.7338	0.0019
TF3.3	N_SP	SAV2	BP	28.50	0.57	30.00	8.55	0.8504	0.0024
TF3.3	N_SP	Spring1	BP	23.00	0.61	39.78	9.15	0.2782	0.0249
TF3.3	N_SP	Spring2	BP	27.50	0.33	18.00	4.95	0.6838	0.2269
TF3.3	N_SP	Summer1	BP	29.50	0.69	35.08	10.35	0.6995	0.0096
TF3.3	N_SP	Summer2	BP	30.00	0.78	39.00	11.70	0.6875	0.0084
TF3.3	N_SP	Winter	BP	23.50	0.46	27.40	6.44	0.7986	0.1508
TF3.3	N_GENERA	Annual	AP	23.00	0.50	32.61	7.50	0.9194	<0.0001
TF3.3	N_GENERA	Fall	AP	21.00	0.33	23.57	4.95	0.3001	0.1169
TF3.3	N_GENERA	SAV1	AP	20.00	0.45	33.75	6.75	0.6546	0.0039

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
TF3.3	N_GENERA	SAV2	AP	23.00	0.58	37.83	8.70	0.8981	0.0001
TF3.3	N_GENERA	Spring1	AP	22.00	0.37	25.23	5.55	0.6657	0.0344
TF3.3	N_GENERA	Spring2	AP	23.00	0.50	32.61	7.50	0.4084	0.0156
TF3.3	N_GENERA	Summer1	AP	24.50	0.73	44.69	10.95	0.8398	0.0010
TF3.3	N_GENERA	Summer2	AP	27.00	0.58	32.22	8.70	0.9773	0.0157
TF3.3	N_GENERA	Winter	AP	21.50	0.35	22.79	4.90	0.6668	0.0645
TF3.3	N_GENERA	Annual	BP	23.50	0.67	42.77	10.05	0.8993	<0.0001
TF3.3	N_GENERA	Fall	BP	20.50	0.74	54.15	11.10	0.9611	0.0017
TF3.3	N_GENERA	SAV1	BP	23.50	0.60	38.30	9.00	0.6027	<0.0001
TF3.3	N_GENERA	SAV2	BP	26.50	0.57	32.26	8.55	0.7918	0.0001
TF3.3	N_GENERA	Spring1	BP	21.50	0.63	43.95	9.45	0.1959	0.0028
TF3.3	N_GENERA	Spring2	BP	25.50	0.42	24.71	6.30	0.5901	0.0803
TF3.3	N_GENERA	Summer1	BP	27.00	0.67	37.22	10.05	0.6551	0.0018
TF3.3	N_GENERA	Summer2	BP	27.50	0.67	36.55	10.05	0.6672	0.0017
TF3.3	N_GENERA	Winter	BP	20.50	0.42	28.68	5.88	0.9660	0.1121
TF3.3	SHANNON	Annual	AP	2.66	0.03	16.92	0.45	0.7974	0.0088
TF3.3	SHANNON	Fall	AP	2.69	-0.01	-5.58	-0.15	0.6299	0.7551
TF3.3	SHANNON	SAV1	AP	2.60	0.03	17.31	0.45	0.9159	0.0776
TF3.3	SHANNON	SAV2	AP	2.62	0.04	22.90	0.60	0.9338	0.0061
TF3.3	SHANNON	Spring1	AP	2.52	0.04	23.81	0.60	0.8143	0.0688
TF3.3	SHANNON	Spring2	AP	2.62	0.04	22.90	0.60	0.8829	0.0916
TF3.3	SHANNON	Summer1	AP	2.52	0.06	35.71	0.90	0.8034	0.0086
TF3.3	SHANNON	Summer2	AP	2.56	0.06	35.16	0.90	0.6092	0.0235
TF3.3	SHANNON	Winter	AP	3.30	0.03	12.73	0.42	0.4910	0.3398
TF3.3	SHANNON	Annual	BP	2.64	0.03	17.05	0.45	0.7817	0.0007
TF3.3	SHANNON	Fall	BP	2.79	0.03	16.13	0.45	0.6098	0.1188
TF3.3	SHANNON	SAV1	BP	2.60	0.03	17.31	0.45	0.5195	0.0330
TF3.3	SHANNON	SAV2	BP	2.71	0.04	22.14	0.60	0.7046	0.0061
TF3.3	SHANNON	Spring1	BP	2.51	0.05	29.88	0.75	0.1817	0.0962
TF3.3	SHANNON	Spring2	BP	2.76	0.03	16.30	0.45	0.4477	0.2723
TF3.3	SHANNON	Summer1	BP	2.71	0.05	27.68	0.75	0.7200	0.0064
TF3.3	SHANNON	Summer2	BP	2.67	0.05	28.09	0.75	0.5126	0.0175
TF3.3	SHANNON	Winter	BP	2.82	0.02	9.93	0.28	0.7483	0.6073
TF3.3	EVENNESS	Annual	AP	0.57	0.00	0.00	0.00	0.7046	0.0895
TF3.3	EVENNESS	Fall	AP	0.59	0.00	0.00	0.00	0.6649	0.3233
TF3.3	EVENNESS	SAV1	AP	0.57	0.00	0.00	0.00	0.6146	0.6859
TF3.3	EVENNESS	SAV2	AP	0.57	0.01	26.32	0.15	0.7465	0.0420
TF3.3	EVENNESS	Spring1	AP	0.56	0.01	26.79	0.15	0.9499	0.2318
TF3.3	EVENNESS	Spring2	AP	0.57	0.00	0.00	0.00	0.9739	0.2723
TF3.3	EVENNESS	Summer1	AP	0.56	0.01	26.79	0.15	0.7724	0.0169
TF3.3	EVENNESS	Summer2	AP	0.53	0.01	28.30	0.15	0.6607	0.0203
TF3.3	EVENNESS	Winter	AP	0.71	0.00	0.00	0.00	0.4817	0.5087
TF3.3	EVENNESS	Annual	BP	0.57	0.00	0.00	0.00	0.4683	0.0162
TF3.3	EVENNESS	Fall	BP	0.57	0.00	0.00	0.00	0.2940	0.5327
TF3.3	EVENNESS	SAV1	BP	0.57	0.00	0.00	0.00	0.2838	0.2395
TF3.3	EVENNESS	SAV2	BP	0.56	0.00	0.00	0.00	0.6097	0.0386
TF3.3	EVENNESS	Spring1	BP	0.55	0.00	0.00	0.00	0.1402	0.1765
TF3.3	EVENNESS	Spring2	BP	0.57	0.00	0.00	0.00	0.5747	0.6110
TF3.3	EVENNESS	Summer1	BP	0.55	0.01	27.27	0.15	0.5557	0.0193
TF3.3	EVENNESS	Summer2	BP	0.55	0.01	27.27	0.15	0.3821	0.0271
TF3.3	EVENNESS	Winter	BP	0.62	0.00	0.00	0.00	0.6007	0.8833
RET3.1	TOTABUND	Annual	AP	6640168	864892	195.38	12973384	0.3641	<0.0001
RET3.1	TOTABUND	Fall	AP	5597911	534030	143.10	8010448	0.5068	0.0301
RET3.1	TOTABUND	SAV1	AP	6279699	949844	226.88	14247664	0.1965	0.0002
RET3.1	TOTABUND	SAV2	AP	7859218	1417860	270.61	21267895	0.3879	<0.0001
RET3.1	TOTABUND	Spring1	AP	6279699	801444	191.44	12021663	0.0654	0.0093

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET3.1	TOTABUND	Spring2	AP	7297293	1234083	253.67	18511249	0.0670	0.0110
RET3.1	TOTABUND	Summer1	AP	7992890	1508799	283.15	22631980	0.9178	0.0001
RET3.1	TOTABUND	Summer2	AP	7992890	1442193	270.65	21632890	0.7776	0.0006
RET3.1	TOTABUND	Winter	AP	5827957	167236	40.17	2341310	0.1279	0.3398
RET3.1	TOTABUND	Annual	BP	4932382	928322	282.31	13924823	0.8328	<0.0001
RET3.1	TOTABUND	Fall	BP	5420479	817369	226.19	12260530	0.2861	0.0009
RET3.1	TOTABUND	SAV1	BP	5420479	1055162	291.99	15827434	0.7208	<0.0001
RET3.1	TOTABUND	SAV2	BP	4932382	1477943	449.46	22169139	0.9802	<0.0001
RET3.1	TOTABUND	Spring1	BP	5061254	967611	286.77	14514166	0.3365	0.0009
RET3.1	TOTABUND	Spring2	BP	5061254	1291066	382.63	19365986	0.8828	0.0001
RET3.1	TOTABUND	Summer1	BP	3880927	1369348	529.26	20540225	0.8568	<0.0001
RET3.1	TOTABUND	Summer2	BP	3880927	1475721	570.37	22135818	0.6901	0.0003
RET3.1	TOTABUND	Winter	BP	4123699	327111	111.05	4579556	0.8158	0.0913
RET3.1	TOTBMASS	Annual	AP	336911682	25192742	112.16	377891123	0.0925	<0.0001
RET3.1	TOTBMASS	Fall	AP	210351778	14655659	104.51	219834884	0.3122	0.0818
RET3.1	TOTBMASS	SAV1	AP	336911682	27865852	124.06	417987780	0.1889	0.0010
RET3.1	TOTBMASS	SAV2	AP	300295392	34942188	174.54	524132822	0.0899	<0.0001
RET3.1	TOTBMASS	Spring1	AP	454535651	33751358	111.38	506270367	0.1225	0.0426
RET3.1	TOTBMASS	Spring2	AP	294100526	38153219	194.59	572298287	0.0687	0.0094
RET3.1	TOTBMASS	Summer1	AP	317991139	38860373	183.31	582905590	0.1579	<0.0001
RET3.1	TOTBMASS	Summer2	AP	317991139	36778041	173.49	551670618	0.0787	0.0004
RET3.1	TOTBMASS	Winter	AP	224067574	10491948	65.55	146887269	0.1261	0.2708
RET3.1	TOTBMASS	Annual	BP	178076290	32057080	270.03	480856206	0.5093	<0.0001
RET3.1	TOTBMASS	Fall	BP	130324948	27733964	319.21	416009463	0.8165	0.0006
RET3.1	TOTBMASS	SAV1	BP	317003634	32484740	153.71	487271095	0.4624	<0.0001
RET3.1	TOTBMASS	SAV2	BP	178076290	43589160	367.17	653837393	0.6874	<0.0001
RET3.1	TOTBMASS	Spring1	BP	544284494	29143070	80.32	437146047	0.1402	0.0093
RET3.1	TOTBMASS	Spring2	BP	168405834	45805333	407.99	687079991	0.3071	<0.0001
RET3.1	TOTBMASS	Summer1	BP	201504478	45598716	339.44	683980734	0.5150	<0.0001
RET3.1	TOTBMASS	Summer2	BP	201504478	39619465	294.93	594291973	0.5443	0.0001
RET3.1	TOTBMASS	Winter	BP	159196697	17126022	150.61	239764314	0.4108	0.0913
RET3.1	RATIO	Annual	AP	35.30	-0.06	-2.55	-0.90	0.9812	0.8266
RET3.1	RATIO	Fall	AP	26.88	0.08	4.46	1.20	0.4175	0.9360
RET3.1	RATIO	SAV1	AP	33.86	0.20	8.86	3.00	0.9247	0.6953
RET3.1	RATIO	SAV2	AP	33.28	-0.23	-10.37	-3.45	0.9685	0.5360
RET3.1	RATIO	Spring1	AP	64.21	0.29	6.77	4.35	0.9347	0.8353
RET3.1	RATIO	Spring2	AP	40.36	0.08	2.97	1.20	0.9506	0.9360
RET3.1	RATIO	Summer1	AP	38.27	-0.44	-17.25	-6.60	0.7982	0.4546
RET3.1	RATIO	Summer2	AP	33.28	-0.60	-27.04	-9.00	0.6812	0.3766
RET3.1	RATIO	Winter	AP	31.76	0.21	9.26	2.94	0.8308	0.8833
RET3.1	RATIO	Annual	BP	25.96	0.59	34.09	8.85	0.3242	0.0948
RET3.1	RATIO	Fall	BP	28.52	0.36	18.93	5.40	0.7152	0.5674
RET3.1	RATIO	SAV1	BP	30.47	0.28	13.78	4.20	0.2639	0.6327
RET3.1	RATIO	SAV2	BP	23.01	0.48	31.29	7.20	0.0831	0.2653
RET3.1	RATIO	Spring1	BP	82.53	0.28	5.09	4.20	0.0455	0.7551
RET3.1	RATIO	Spring2	BP	23.86	0.98	61.61	14.70	0.0120	0.1409
RET3.1	RATIO	Summer1	BP	19.58	0.60	45.97	9.00	0.2181	0.1846
RET3.1	RATIO	Summer2	BP	20.59	0.19	13.84	2.85	0.5537	0.7823
RET3.1	RATIO	Winter	BP	32.20	1.68	73.04	23.52	0.5139	0.2120
RET3.1	MARGALEF	Annual	AP	1.76	0.01	8.52	0.15	0.9147	0.4765
RET3.1	MARGALEF	Fall	AP	1.77	0.01	8.47	0.15	0.9211	0.8513
RET3.1	MARGALEF	SAV1	AP	1.90	0.01	7.89	0.15	0.6817	0.5383
RET3.1	MARGALEF	SAV2	AP	1.76	0.01	8.52	0.15	0.7308	0.2653
RET3.1	MARGALEF	Spring1	AP	1.90	0.00	0.00	0.00	0.2534	0.8353
RET3.1	MARGALEF	Spring2	AP	1.58	0.01	9.49	0.15	0.2204	0.6110
RET3.1	MARGALEF	Summer1	AP	1.89	0.02	15.87	0.30	0.9888	0.1546

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET3.1	MARGALEF	Summer2	AP	1.89	0.02	15.87	0.30	0.9404	0.2241
RET3.1	MARGALEF	Winter	AP	1.37	-0.01	-10.22	-0.14	0.9674	0.4193
RET3.1	MARGALEF	Annual	BP	1.28	0.02	23.44	0.30	0.4144	0.0129
RET3.1	MARGALEF	Fall	BP	1.28	0.02	23.44	0.30	0.5185	0.1188
RET3.1	MARGALEF	SAV1	BP	1.27	0.02	23.62	0.30	0.6146	0.0840
RET3.1	MARGALEF	SAV2	BP	1.33	0.02	22.56	0.30	0.4908	0.0863
RET3.1	MARGALEF	Spring1	BP	1.31	0.00	0.00	0.00	0.5563	0.8353
RET3.1	MARGALEF	Spring2	BP	1.22	0.02	24.59	0.30	0.7944	0.2723
RET3.1	MARGALEF	Summer1	BP	1.29	0.02	23.26	0.30	0.1729	0.1846
RET3.1	MARGALEF	Summer2	BP	1.50	0.02	20.00	0.30	0.0875	0.3199
RET3.1	MARGALEF	Winter	BP	1.39	0.03	30.22	0.42	0.2848	0.0276
RET3.1	DIATOM	Annual	AP	3266161	234038	107.48	3510573	0.6775	0.0012
RET3.1	DIATOM	Fall	AP	3107866	185874	89.71	2788103	0.4455	0.1721
RET3.1	DIATOM	SAV1	AP	3390169	268519	118.81	4027781	0.4503	0.0320
RET3.1	DIATOM	SAV2	AP	3266161	414418	190.32	6216272	0.5745	0.0007
RET3.1	DIATOM	Spring1	AP	3484296	184294	79.34	2764404	0.2305	0.2749
RET3.1	DIATOM	Spring2	AP	3209031	372558	174.14	5588364	0.2317	0.0916
RET3.1	DIATOM	Summer1	AP	2822333	408082	216.89	6121229	0.7381	0.0055
RET3.1	DIATOM	Summer2	AP	2822333	443019	235.45	6645292	0.5330	0.0150
RET3.1	DIATOM	Winter	AP	4117983	69365	23.58	971113	0.2470	0.3040
RET3.1	DIATOM	Annual	BP	2770435	361950	195.97	5429255	0.7127	<0.0001
RET3.1	DIATOM	Fall	BP	2431795	513988	317.04	7709822	0.3401	0.0030
RET3.1	DIATOM	SAV1	BP	3052728	487755	239.67	7316328	0.5871	<0.0001
RET3.1	DIATOM	SAV2	BP	2770435	585481	317.00	8782215	0.9067	<0.0001
RET3.1	DIATOM	Spring1	BP	3052728	384646	189.00	5769687	0.3401	0.0030
RET3.1	DIATOM	Spring2	BP	2667414	554233	311.67	8313495	0.9090	0.0002
RET3.1	DIATOM	Summer1	BP	3367800	471517	210.01	7072761	0.6964	0.0004
RET3.1	DIATOM	Summer2	BP	3367800	471722	210.10	7075823	0.4926	0.0028
RET3.1	DIATOM	Winter	BP	3509580	102384	40.84	1433380	0.5235	0.3398
RET3.1	DIATOM_C	Annual	AP	111529473	13881863	186.70	208227942	0.5299	<0.0001
RET3.1	DIATOM_C	Fall	AP	60271525	9804626	244.01	147069389	0.2224	0.0344
RET3.1	DIATOM_C	SAV1	AP	90952653	14040780	231.56	210611700	0.2494	0.0018
RET3.1	DIATOM_C	SAV2	AP	111529473	19089854	256.75	286347810	0.3745	<0.0001
RET3.1	DIATOM_C	Spring1	AP	314079217	8657778	41.35	129866666	0.2243	0.1937
RET3.1	DIATOM_C	Spring2	AP	198998723	16306242	122.91	244593627	0.1239	0.0573
RET3.1	DIATOM_C	Summer1	AP	160381316	21326178	199.46	319892667	0.8750	0.0005
RET3.1	DIATOM_C	Summer2	AP	160381316	20657174	193.20	309857616	0.7471	0.0041
RET3.1	DIATOM_C	Winter	AP	167930142	11682216	97.39	163551020	0.2060	0.0913
RET3.1	DIATOM_C	Annual	BP	110714361	20649380	279.77	309740695	0.5314	<0.0001
RET3.1	DIATOM_C	Fall	BP	62513247	21204222	508.79	318063327	0.5400	0.0003
RET3.1	DIATOM_C	SAV1	BP	114406186	27494297	360.48	412414458	0.4766	<0.0001
RET3.1	DIATOM_C	SAV2	BP	110714361	27905665	378.08	418584975	0.6956	<0.0001
RET3.1	DIATOM_C	Spring1	BP	151616315	21369231	211.41	320538459	0.1970	0.0093
RET3.1	DIATOM_C	Spring2	BP	111500578	27817336	374.22	417260038	0.1732	0.0001
RET3.1	DIATOM_C	Summer1	BP	163174980	27661117	254.28	414916757	0.7469	<0.0001
RET3.1	DIATOM_C	Summer2	BP	163174980	25777776	236.96	386666646	0.9279	0.0005
RET3.1	DIATOM_C	Winter	BP	133216033	11987118	125.98	167819656	0.2410	0.1863
RET3.1	DINOFLG	Annual	AP	446736	-8474	-28.45	-127112	0.8750	<0.0001
RET3.1	DINOFLG	Fall	AP	412094	-7712	-28.07	-115680	0.4467	0.0021
RET3.1	DINOFLG	SAV1	AP	423878	-8411	-29.77	-126171	0.6084	0.0001
RET3.1	DINOFLG	SAV2	AP	482931	-8411	-26.13	-126171	0.6286	0.0004
RET3.1	DINOFLG	Spring1	AP	609064	-9085	-22.38	-136280	0.4113	0.0553
RET3.1	DINOFLG	Spring2	AP	495080	-12830	-38.87	-192455	0.4993	0.0232
RET3.1	DINOFLG	Summer1	AP	541579	-7488	-20.74	-112320	0.7096	0.0380
RET3.1	DINOFLG	Summer2	AP	562714	-6513	-17.36	-97696	0.5108	0.0867
RET3.1	DINOFLG	Winter	AP	206217	-10155	-68.95	-142176	0.8255	0.0576

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET3.1	DINOFLG	Annual	BP	106172	-1280	-18.08	-19200	0.8937	0.0302
RET3.1	DINOFLG	Fall	BP	150187	-2781	-27.77	-41713	0.7570	0.1316
RET3.1	DINOFLG	SAV1	BP	90998	-2354	-38.81	-35313	0.6763	0.0164
RET3.1	DINOFLG	SAV2	BP	70266	-1456	-31.08	-21836	0.6427	0.0490
RET3.1	DINOFLG	Spring1	BP	963308	-4383	-6.83	-65751	0.5746	0.0261
RET3.1	DINOFLG	Spring2	BP	135540	-2767	-30.62	-41509	0.3110	0.0561
RET3.1	DINOFLG	Summer1	BP	38938	-29	-1.12	-436	0.9093	0.8091
RET3.1	DINOFLG	Summer2	BP	70266	-35	-0.75	-530	0.7896	0.7398
RET3.1	DINOFLG	Winter	BP	122011	0	0.00	0	0.4637	0.8241
RET3.1	DINOFL_C	Annual	AP	21708212	-247474	-17.10	-3712107	0.9713	0.0109
RET3.1	DINOFL_C	Fall	AP	18860242	-269179	-21.41	-4037681	0.8913	0.2720
RET3.1	DINOFL_C	SAV1	AP	26560729	-357890	-20.21	-5368344	0.8713	0.0283
RET3.1	DINOFL_C	SAV2	AP	21708212	-269179	-18.60	-4037681	0.7717	0.0508
RET3.1	DINOFL_C	Spring1	AP	51646866	-245988	-7.14	-3689819	0.4221	0.0981
RET3.1	DINOFL_C	Spring2	AP	61527530	-279798	-6.82	-4196966	0.4582	0.0661
RET3.1	DINOFL_C	Summer1	AP	26492820	-238875	-13.52	-3583128	0.7908	0.3592
RET3.1	DINOFL_C	Summer2	AP	21530244	-156900	-10.93	-2353497	0.6769	0.5806
RET3.1	DINOFL_C	Winter	AP	4779764	-236509	-69.27	-3311129	0.6976	0.1095
RET3.1	DINOFL_C	Annual	BP	8079149	-31468	-5.84	-472013	0.9499	0.2877
RET3.1	DINOFL_C	Fall	BP	6758688	-51507	-11.43	-772602	0.6721	0.5327
RET3.1	DINOFL_C	SAV1	BP	3832269	-82331	-32.23	-1234972	0.8329	0.1043
RET3.1	DINOFL_C	SAV2	BP	8079149	-55929	-10.38	-838931	0.8339	0.2955
RET3.1	DINOFL_C	Spring1	BP	22988815	-145742	-9.51	-2186131	0.8262	0.0794
RET3.1	DINOFL_C	Spring2	BP	10939961	-106870	-14.65	-1603050	0.7001	0.1125
RET3.1	DINOFL_C	Summer1	BP	5646447	19837	5.27	297552	0.9510	0.8467
RET3.1	DINOFL_C	Summer2	BP	5646447	42855	11.38	642822	0.9278	0.6984
RET3.1	DINOFL_C	Winter	BP	13748423	0	0.00	0	0.4748	0.8532
RET3.1	CYANO	Annual	AP	158336	217995	2065.19	3269932	0.7199	<0.0001
RET3.1	CYANO	Fall	AP	121128	215111	2663.86	3226668	0.7530	<0.0001
RET3.1	CYANO	SAV1	AP	135362	278605	3087.34	4179072	0.7172	<0.0001
RET3.1	CYANO	SAV2	AP	158336	550897	5218.93	8263449	0.7571	<0.0001
RET3.1	CYANO	Spring1	AP	142914	116131	1218.89	1741965	0.3491	0.0004
RET3.1	CYANO	Spring2	AP	101442	247781	3663.90	3716719	0.3319	0.0001
RET3.1	CYANO	Summer1	AP	825527	717624	1303.94	10764358	0.8873	<0.0001
RET3.1	CYANO	Summer2	AP	1855655	712716	576.12	10690739	0.8395	0.0005
RET3.1	CYANO	Winter	AP	547313	15071	38.55	210992	0.2440	0.2401
RET3.1	CYANO	Annual	BP	123978	166042	2008.94	2490630	0.8959	<0.0001
RET3.1	CYANO	Fall	BP	138815	151469	1636.74	2272032	0.7448	<0.0001
RET3.1	CYANO	SAV1	BP	141659	246789	2613.20	3701839	0.5952	<0.0001
RET3.1	CYANO	SAV2	BP	142485	475814	5009.11	7137210	0.7866	<0.0001
RET3.1	CYANO	Spring1	BP	112808	121134	1610.71	1817009	0.2861	0.0007
RET3.1	CYANO	Spring2	BP	107307	332448	4647.17	4986718	0.4020	<0.0001
RET3.1	CYANO	Summer1	BP	142485	578876	6094.10	8683147	0.8475	<0.0001
RET3.1	CYANO	Summer2	BP	216124	669999	4650.12	10049991	0.7101	0.0002
RET3.1	CYANO	Winter	BP	224560	42073	262.30	589021	0.3633	0.0154
RET3.1	CYANO_C	Annual	AP	2066150	997367	724.08	14960501	0.1784	<0.0001
RET3.1	CYANO_C	Fall	AP	964294	959790	1492.99	14396851	0.6476	0.0017
RET3.1	CYANO_C	SAV1	AP	411022	1140237	4161.22	17103561	0.1970	<0.0001
RET3.1	CYANO_C	SAV2	AP	2726081	2076548	1142.60	31148225	0.2653	<0.0001
RET3.1	CYANO_C	Spring1	AP	2065350	693709	503.82	10405639	0.0710	0.0086
RET3.1	CYANO_C	Spring2	AP	1233710	759527	923.47	11392906	0.0523	0.0025
RET3.1	CYANO_C	Summer1	AP	3219131	4023128	1874.63	60346913	0.8370	<0.0001
RET3.1	CYANO_C	Summer2	AP	6729697	4222129	941.08	63331937	0.6538	<0.0001
RET3.1	CYANO_C	Winter	AP	17558830	98568	7.86	1379958	0.1548	0.6596
RET3.1	CYANO_C	Annual	BP	1177554	619654	789.33	9294816	0.5390	<0.0001
RET3.1	CYANO_C	Fall	BP	840938	586922	1046.91	8803834	0.4033	0.0003

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET3.1	CYANO_C	SAV1	BP	1209059	923702	1145.98	13855535	0.3142	<0.0001
RET3.1	CYANO_C	SAV2	BP	798300	1379084	2591.29	20686265	0.8683	<0.0001
RET3.1	CYANO_C	Spring1	BP	1573931	755408	719.92	11331118	0.2305	0.0080
RET3.1	CYANO_C	Spring2	BP	1083418	1024922	1419.01	15373835	0.8755	0.0001
RET3.1	CYANO_C	Summer1	BP	798300	1453147	2730.45	21797209	0.6779	<0.0001
RET3.1	CYANO_C	Summer2	BP	798300	1669200	3136.42	25038006	0.5040	0.0003
RET3.1	CYANO_C	Winter	BP	6003191	41541	9.69	581572	0.8053	0.3398
RET3.1	CHLORO	Annual	AP	80215	49312	922.13	739680	0.3541	<0.0001
RET3.1	CHLORO	Fall	AP	66875	27452	615.75	411780	0.6952	0.0013
RET3.1	CHLORO	SAV1	AP	42772	58285	2044.06	874274	0.3826	<0.0001
RET3.1	CHLORO	SAV2	AP	87358	75696	1299.76	1135445	0.2666	<0.0001
RET3.1	CHLORO	Spring1	AP	56573	101905	2701.95	1528576	0.3401	<0.0001
RET3.1	CHLORO	Spring2	AP	42519	121412	4283.28	1821185	0.5334	<0.0001
RET3.1	CHLORO	Summer1	AP	161993	75534	699.42	1133006	0.4070	0.0005
RET3.1	CHLORO	Summer2	AP	161993	49770	460.86	746557	0.6809	0.0218
RET3.1	CHLORO	Winter	AP	3072	12756	5813.31	178585	0.3433	0.2120
RET3.1	CHLORO	Annual	BP	1600	37875	35508.05	568129	0.5377	<0.0001
RET3.1	CHLORO	Fall	BP	55859	26878	721.77	403175	0.0846	0.0006
RET3.1	CHLORO	SAV1	BP	1024	45352	66433.67	680281	0.7102	<0.0001
RET3.1	CHLORO	SAV2	BP	512	71202	208600.20	1068033	0.9397	<0.0001
RET3.1	CHLORO	Spring1	BP	75916	51797	1023.45	776955	0.3347	0.0002
RET3.1	CHLORO	Spring2	BP	5632	76410	20350.54	1146143	0.5372	<0.0001
RET3.1	CHLORO	Summer1	BP	5026	56682	16916.48	850223	0.9726	<0.0001
RET3.1	CHLORO	Summer2	BP	5026	51907	15491.64	778610	0.9173	<0.0001
RET3.1	CHLORO	Winter	BP	1600	24117	21102.49	337640	0.7553	<0.0001
RET3.1	CHLORO_C	Annual	AP	1126203	1462711	1948.20	21940665	0.6465	<0.0001
RET3.1	CHLORO_C	Fall	AP	1494513	427295	428.86	6409427	0.2964	0.0045
RET3.1	CHLORO_C	SAV1	AP	965711	1912050	2969.91	28680744	0.6187	<0.0001
RET3.1	CHLORO_C	SAV2	AP	1492127	2087736	2098.75	31316042	0.6195	<0.0001
RET3.1	CHLORO_C	Spring1	AP	1044153	3350320	4812.97	50254794	0.5213	<0.0001
RET3.1	CHLORO_C	Spring2	AP	886185	4221614	7145.71	63324209	0.5829	<0.0001
RET3.1	CHLORO_C	Summer1	AP	1492127	2012072	2022.69	30181081	0.6535	0.0001
RET3.1	CHLORO_C	Summer2	AP	1492127	1373445	1380.69	20601668	0.6738	0.0037
RET3.1	CHLORO_C	Winter	AP	24781	514734	29080.05	7206270	0.5925	0.0664
RET3.1	CHLORO_C	Annual	BP	56207	803606	21445.75	12054091	0.7445	<0.0001
RET3.1	CHLORO_C	Fall	BP	1248620	547784	658.07	8216766	0.0794	0.0009
RET3.1	CHLORO_C	SAV1	BP	11530	945070	122946.67	14176046	0.9267	<0.0001
RET3.1	CHLORO_C	SAV2	BP	3313	1780598	806274.35	26708967	0.9818	<0.0001
RET3.1	CHLORO_C	Spring1	BP	2179798	1303409	896.92	19551142	0.6931	0.0002
RET3.1	CHLORO_C	Spring2	BP	47990	3209751	100326.12	48146267	0.7227	<0.0001
RET3.1	CHLORO_C	Summer1	BP	47990	1243262	38860.21	18648924	0.9046	<0.0001
RET3.1	CHLORO_C	Summer2	BP	140024	1111089	11902.45	16666334	0.9393	0.0001
RET3.1	CHLORO_C	Winter	BP	53902	546646	14198.06	7653047	0.8380	0.0001
RET3.1	CRYPTO	Annual	AP	891648	47845	80.49	717674	0.2933	0.0025
RET3.1	CRYPTO	Fall	AP	994790	2385	3.60	35769	0.4577	0.9360
RET3.1	CRYPTO	SAV1	AP	725425	42914	88.74	643710	0.1959	0.0402
RET3.1	CRYPTO	SAV2	AP	891648	57718	97.10	865770	0.6162	0.0052
RET3.1	CRYPTO	Spring1	AP	343451	79553	347.44	1193298	0.2351	0.0086
RET3.1	CRYPTO	Spring2	AP	560131	79468	212.81	1192016	0.2953	0.0281
RET3.1	CRYPTO	Summer1	AP	1102745	61707	83.94	925600	0.5864	0.0507
RET3.1	CRYPTO	Summer2	AP	1102745	47921	65.18	718814	0.4102	0.1357
RET3.1	CRYPTO	Winter	AP	643247	63595	138.41	890332	0.0781	0.1863
RET3.1	CRYPTO	Annual	BP	517122	78077	226.48	1171159	0.3358	<0.0001
RET3.1	CRYPTO	Fall	BP	769280	58970	114.98	884549	0.1721	0.0862
RET3.1	CRYPTO	SAV1	BP	600246	80288	200.64	1204315	0.2776	0.0013
RET3.1	CRYPTO	SAV2	BP	551611	103156	280.51	1547343	0.2736	<0.0001

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET3.1	CRYPTO	Spring1	BP	484741	73304	226.84	1099565	0.1810	0.0398
RET3.1	CRYPTO	Spring2	BP	483974	97270	301.47	1459050	0.0871	0.0136
RET3.1	CRYPTO	Summer1	BP	427594	98253	344.67	1473792	0.6155	<0.0001
RET3.1	CRYPTO	Summer2	BP	535866	86953	243.40	1304291	0.4526	0.0003
RET3.1	CRYPTO	Winter	BP	200234	45468	317.91	636559	0.7157	0.1231
RET3.1	CRYPTO_C	Annual	AP	21408468	1148757	80.49	17231357	0.2933	0.0025
RET3.1	CRYPTO_C	Fall	AP	23884908	57254	3.60	858803	0.4577	0.9360
RET3.1	CRYPTO_C	SAV1	AP	17417454	1030365	88.74	15455477	0.1959	0.0402
RET3.1	CRYPTO_C	SAV2	AP	21408468	1385809	97.10	20787138	0.6162	0.0052
RET3.1	CRYPTO_C	Spring1	AP	8246259	1910072	347.44	28651079	0.2351	0.0086
RET3.1	CRYPTO_C	Spring2	AP	13448745	1908019	212.81	28620292	0.2953	0.0281
RET3.1	CRYPTO_C	Summer1	AP	26476907	1481577	83.94	22223656	0.5864	0.0507
RET3.1	CRYPTO_C	Summer2	AP	26476907	1150582	65.18	17258731	0.4102	0.1357
RET3.1	CRYPTO_C	Winter	AP	15444360	1551714	140.66	21724000	0.0781	0.1863
RET3.1	CRYPTO_C	Annual	BP	12416099	1887293	228.01	28309391	0.3518	<0.0001
RET3.1	CRYPTO_C	Fall	BP	18470413	1415868	114.98	21238016	0.1721	0.0862
RET3.1	CRYPTO_C	SAV1	BP	14411894	1927706	200.64	28915592	0.2776	0.0013
RET3.1	CRYPTO_C	SAV2	BP	13244168	2476780	280.51	37151694	0.2851	<0.0001
RET3.1	CRYPTO_C	Spring1	BP	11638619	1760036	226.84	26400544	0.1810	0.0398
RET3.1	CRYPTO_C	Spring2	BP	9467095	2336043	370.13	35040640	0.0974	0.0158
RET3.1	CRYPTO_C	Summer1	BP	9909539	2402658	363.69	36039864	0.6312	<0.0001
RET3.1	CRYPTO_C	Summer2	BP	12866131	2087735	243.40	31316032	0.4526	0.0003
RET3.1	CRYPTO_C	Winter	BP	4807618	1091698	317.91	15283778	0.7157	0.1231
RET3.1	PROCARY	Annual	AP	0.02	0.02	1500.00	0.30	0.7708	<0.0001
RET3.1	PROCARY	Fall	AP	0.02	0.04	3000.00	0.60	0.9498	<0.0001
RET3.1	PROCARY	SAV1	AP	0.02	0.02	1500.00	0.30	0.9301	<0.0001
RET3.1	PROCARY	SAV2	AP	0.03	0.04	2000.00	0.60	0.9273	<0.0001
RET3.1	PROCARY	Spring1	AP	0.02	0.01	750.00	0.15	0.8161	0.0033
RET3.1	PROCARY	Spring2	AP	0.02	0.02	1500.00	0.30	0.8036	0.0021
RET3.1	PROCARY	Summer1	AP	0.12	0.06	750.00	0.90	0.9151	0.0013
RET3.1	PROCARY	Summer2	AP	0.23	0.06	391.30	0.90	0.8316	0.0094
RET3.1	PROCARY	Winter	AP	0.14	0.00	0.00	0.00	0.7236	0.7690
RET3.1	PROCARY	Annual	BP	0.03	0.02	1000.00	0.30	0.7067	<0.0001
RET3.1	PROCARY	Fall	BP	0.02	0.02	1500.00	0.30	0.8689	0.0001
RET3.1	PROCARY	SAV1	BP	0.02	0.02	1500.00	0.30	0.3009	<0.0001
RET3.1	PROCARY	SAV2	BP	0.03	0.03	1500.00	0.45	0.5082	<0.0001
RET3.1	PROCARY	Spring1	BP	0.02	0.01	750.00	0.15	0.1022	0.0059
RET3.1	PROCARY	Spring2	BP	0.02	0.02	1500.00	0.30	0.1612	0.0007
RET3.1	PROCARY	Summer1	BP	0.03	0.03	1500.00	0.45	0.7745	0.0001
RET3.1	PROCARY	Summer2	BP	0.04	0.04	1500.00	0.60	0.5742	0.0009
RET3.1	PROCARY	Winter	BP	0.07	0.00	0.00	0.00	0.5609	0.1062
RET3.1	PROCAR_C	Annual	AP	0.01	0.00	0.00	0.00	0.4961	0.0001
RET3.1	PROCAR_C	Fall	AP	0.01	0.00	0.00	0.00	0.8140	0.0094
RET3.1	PROCAR_C	SAV1	AP	0.01	0.00	0.00	0.00	0.8087	0.0015
RET3.1	PROCAR_C	SAV2	AP	0.01	0.00	0.00	0.00	0.8335	<0.0001
RET3.1	PROCAR_C	Spring1	AP	0.01	0.00	0.00	0.00	0.9482	0.2022
RET3.1	PROCAR_C	Spring2	AP	0.01	0.00	0.00	0.00	0.7396	0.0728
RET3.1	PROCAR_C	Summer1	AP	0.01	0.01	1500.00	0.15	0.9035	0.0001
RET3.1	PROCAR_C	Summer2	AP	0.02	0.01	750.00	0.15	0.8182	0.0003
RET3.1	PROCAR_C	Winter	AP	0.08	0.00	0.00	0.00	0.9117	0.4628
RET3.1	PROCAR_C	Annual	BP	0.00	0.00	0.00	0.00	0.7553	0.0019
RET3.1	PROCAR_C	Fall	BP	0.00	0.00	0.00	0.00	0.7056	0.0290
RET3.1	PROCAR_C	SAV1	BP	0.00	0.00	0.00	0.00	0.7793	0.0020
RET3.1	PROCAR_C	SAV2	BP	0.00	0.00	0.00	0.00	0.8462	0.0006
RET3.1	PROCAR_C	Spring1	BP	0.00	0.00	0.00	0.00	0.7448	0.1937
RET3.1	PROCAR_C	Spring2	BP	0.00	0.00	0.00	0.00	0.9473	0.0647

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET3.1	PROCAR_C	Summer1	BP	0.00	0.00	0.00	0.00	0.5317	0.0098
RET3.1	PROCAR_C	Summer2	BP	0.00	0.00	0.00	0.00	0.3366	0.0203
RET3.1	PROCAR_C	Winter	BP	0.04	0.00	0.00	0.00	0.8077	0.6596
RET3.1	EUGLENO	Annual	AP	192	0	0.00	0	0.5481	0.0084
RET3.1	EUGLENO	Fall	AP	320	0	0.00	0	0.2432	0.4007
RET3.1	EUGLENO	SAV1	AP	704	0	0.00	0	0.1333	0.0341
RET3.1	EUGLENO	SAV2	AP	192	0	0.00	0	0.5371	0.2705
RET3.1	EUGLENO	Spring1	AP	192	0	0.00	0	0.1036	0.0756
RET3.1	EUGLENO	Spring2	AP	0	0	0.00	0	0.4895	0.5693
RET3.1	EUGLENO	Summer1	AP	704	0	0.00	0	0.6405	0.1110
RET3.1	EUGLENO	Summer2	AP	704	-16	-34.09	-240	0.4800	0.1103
RET3.1	EUGLENO	Winter	AP	0	0	0.00	0	0.5440	0.2733
RET3.1	EUGLENO	Annual	BP	0	0	0.00	0	0.8214	0.0061
RET3.1	EUGLENO	Fall	BP	0	0	0.00	0	0.2648	0.1981
RET3.1	EUGLENO	SAV1	BP	0	0	0.00	0	0.8083	0.0995
RET3.1	EUGLENO	SAV2	BP	0	0	0.00	0	0.5519	0.0485
RET3.1	EUGLENO	Spring1	BP	0	0	0.00	0	0.7879	0.1033
RET3.1	EUGLENO	Spring2	BP	0	0	0.00	0	0.8266	0.0112
RET3.1	EUGLENO	Summer1	BP	0	0	0.00	0	0.4083	0.0682
RET3.1	EUGLENO	Summer2	BP	0	0	0.00	0	0.4576	0.3286
RET3.1	EUGLENO	Winter	BP	0	0	0.00	0	0.8106	0.6722
RET3.1	EUGLEN_C	Annual	AP	8892	0	0.00	0	0.5799	0.0041
RET3.1	EUGLEN_C	Fall	AP	23711	0	0.00	0	0.3056	0.4179
RET3.1	EUGLEN_C	SAV1	AP	165975	0	0.00	0	0.1671	0.0423
RET3.1	EUGLEN_C	SAV2	AP	8892	0	0.00	0	0.4207	0.1158
RET3.1	EUGLEN_C	Spring1	AP	154324	0	0.00	0	0.1224	0.0873
RET3.1	EUGLEN_C	Spring2	AP	0	0	0.00	0	0.4895	0.5693
RET3.1	EUGLEN_C	Summer1	AP	620109	0	0.00	0	0.5669	0.0311
RET3.1	EUGLEN_C	Summer2	AP	620109	-3373	-8.16	-50589	0.4930	0.0264
RET3.1	EUGLEN_C	Winter	AP	0	0	0.00	0	0.6611	0.3701
RET3.1	EUGLEN_C	Annual	BP	0	0	0.00	0	0.8718	0.0078
RET3.1	EUGLEN_C	Fall	BP	0	0	0.00	0	0.2774	0.1765
RET3.1	EUGLEN_C	SAV1	BP	0	0	0.00	0	0.8038	0.0800
RET3.1	EUGLEN_C	SAV2	BP	0	0	0.00	0	0.6506	0.0635
RET3.1	EUGLEN_C	Spring1	BP	0	0	0.00	0	0.7696	0.0863
RET3.1	EUGLEN_C	Spring2	BP	0	0	0.00	0	0.8885	0.0102
RET3.1	EUGLEN_C	Summer1	BP	0	0	0.00	0	0.5201	0.1124
RET3.1	EUGLEN_C	Summer2	BP	0	0	0.00	0	0.6717	0.4593
RET3.1	EUGLEN_C	Winter	BP	0	0	0.00	0	0.8106	0.6722
RET3.1	PICO	Annual	AP	102000000	856000	10.07	10272000	0.6899	0.0730
RET3.1	PICO	Fall	AP	44450000	4295500	115.96	51546000	0.5970	0.0285
RET3.1	PICO	SAV1	AP	102000000	1066143	12.54	12793714	0.5764	0.1195
RET3.1	PICO	SAV2	AP	308500000	3667696	14.27	44012357	0.4195	0.0712
RET3.1	PICO	Spring1	AP	34300000	-129673	-4.54	-1556080	0.9938	0.8742
RET3.1	PICO	Spring2	AP	192000000	-470400	-2.94	-5644800	0.9863	0.8370
RET3.1	PICO	Summer1	AP	343500000	13727655	47.96	164731858	0.3978	0.1822
RET3.1	PICO	Summer2	AP	340000000	17428000	61.51	209136000	0.3681	0.1068
RET3.1	PICO	Winter	AP	18200000	-48864	-3.22	-586368	0.4317	0.8773
RET3.1	PICO	Annual	BP	120000000	888107	8.88	10657280	0.7715	0.0337
RET3.1	PICO	Fall	BP	45300000	3913068	103.66	46956818	0.8240	0.0112
RET3.1	PICO	SAV1	BP	120000000	1349500	13.50	16194000	0.5980	0.0655
RET3.1	PICO	SAV2	BP	316500000	3544758	13.44	42537091	0.6130	0.0990
RET3.1	PICO	Spring1	BP	47400000	47200	1.19	566400	0.9451	1.0000
RET3.1	PICO	Spring2	BP	216000000	-305816	-1.70	-3669792	0.7870	0.7733
RET3.1	PICO	Summer1	BP	401500000	11505778	34.39	138069334	0.4150	0.2063
RET3.1	PICO	Summer2	BP	390000000	21158556	65.10	253902667	0.7245	0.0767

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET3.1	PICO	Winter	BP	22700000	2500	0.13	30000	0.8792	0.9590
RET3.1	PICO_C	Annual	AP	153000000	1284000	10.07	15408000	0.6899	0.0730
RET3.1	PICO_C	Fall	AP	66675000	6443250	115.96	77319000	0.5970	0.0285
RET3.1	PICO_C	SAV1	AP	153000000	1599214	12.54	19190571	0.5764	0.1195
RET3.1	PICO_C	SAV2	AP	462750000	5501545	14.27	66018536	0.4195	0.0712
RET3.1	PICO_C	Spring1	AP	51450000	-194510	-4.54	-2334120	0.9938	0.8742
RET3.1	PICO_C	Spring2	AP	288000000	-705600	-2.94	-8467200	0.9863	0.8370
RET3.1	PICO_C	Summer1	AP	515250000	20591482	47.96	247097785	0.3978	0.1822
RET3.1	PICO_C	Summer2	AP	510000000	26142000	61.51	313704000	0.3681	0.1068
RET3.1	PICO_C	Winter	AP	27300000	-73296	-3.22	-879552	0.4317	0.8773
RET3.1	PICO_C	Annual	BP	180000000	1332160	8.88	15985920	0.7715	0.0337
RET3.1	PICO_C	Fall	BP	67950000	5869602	103.66	70435227	0.8240	0.0112
RET3.1	PICO_C	SAV1	BP	180000000	2024250	13.50	24291000	0.5980	0.0655
RET3.1	PICO_C	SAV2	BP	474750000	5317136	13.44	63805636	0.6130	0.0990
RET3.1	PICO_C	Spring1	BP	71100000	70800	1.19	849600	0.9451	1.0000
RET3.1	PICO_C	Spring2	BP	324000000	-458724	-1.70	-5504688	0.7870	0.7733
RET3.1	PICO_C	Summer1	BP	602250000	17258667	34.39	207104000	0.4150	0.2063
RET3.1	PICO_C	Summer2	BP	585000000	31737833	65.10	380854000	0.7245	0.0767
RET3.1	PICO_C	Winter	BP	34050000	3750	0.13	45000	0.8792	0.9590
RET3.1	N_SP	Annual	AP	29.00	0.24	12.41	3.60	0.6903	0.0329
RET3.1	N_SP	Fall	AP	28.50	0.17	8.95	2.55	0.9154	0.3896
RET3.1	N_SP	SAV1	AP	30.50	0.30	14.75	4.50	0.4947	0.1337
RET3.1	N_SP	SAV2	AP	29.00	0.42	21.72	6.30	0.4786	0.0164
RET3.1	N_SP	Spring1	AP	31.00	0.17	8.23	2.55	0.1477	0.5131
RET3.1	N_SP	Spring2	AP	26.50	0.22	12.45	3.30	0.0915	0.2154
RET3.1	N_SP	Summer1	AP	31.50	0.57	27.14	8.55	0.9030	0.0126
RET3.1	N_SP	Summer2	AP	31.50	0.57	27.14	8.55	0.7955	0.0458
RET3.1	N_SP	Winter	AP	22.00	0.00	0.00	0.00	0.3576	0.8531
RET3.1	N_SP	Annual	BP	21.00	0.40	28.57	6.00	0.5764	0.0002
RET3.1	N_SP	Fall	BP	21.50	0.39	27.21	5.85	0.6292	0.0344
RET3.1	N_SP	SAV1	BP	21.50	0.37	25.81	5.55	0.7668	0.0056
RET3.1	N_SP	SAV2	BP	22.00	0.42	28.64	6.30	0.6597	0.0078
RET3.1	N_SP	Spring1	BP	20.50	0.25	18.29	3.75	0.5339	0.2200
RET3.1	N_SP	Spring2	BP	20.00	0.40	30.00	6.00	0.8041	0.0466
RET3.1	N_SP	Summer1	BP	22.50	0.44	29.33	6.60	0.3063	0.0692
RET3.1	N_SP	Summer2	BP	25.50	0.40	23.53	6.00	0.1828	0.1743
RET3.1	N_SP	Winter	BP	22.00	0.63	40.09	8.82	0.1626	0.0119
RET3.1	N_GENERA	Annual	AP	26.50	0.36	20.38	5.40	0.6585	0.0012
RET3.1	N_GENERA	Fall	AP	26.50	0.20	11.32	3.00	0.5292	0.4187
RET3.1	N_GENERA	SAV1	AP	28.00	0.40	21.43	6.00	0.4888	0.0108
RET3.1	N_GENERA	SAV2	AP	26.50	0.50	28.30	7.50	0.5530	0.0006
RET3.1	N_GENERA	Spring1	AP	28.50	0.25	13.16	3.75	0.1943	0.1303
RET3.1	N_GENERA	Spring2	AP	24.50	0.33	20.20	4.95	0.1318	0.0527
RET3.1	N_GENERA	Summer1	AP	28.50	0.60	31.58	9.00	0.8411	0.0015
RET3.1	N_GENERA	Summer2	AP	28.50	0.55	28.95	8.25	0.7025	0.0099
RET3.1	N_GENERA	Winter	AP	19.00	0.11	8.11	1.54	0.5062	0.5284
RET3.1	N_GENERA	Annual	BP	19.00	0.44	34.74	6.60	0.7397	<0.0001
RET3.1	N_GENERA	Fall	BP	19.00	0.46	36.32	6.90	0.4870	0.0226
RET3.1	N_GENERA	SAV1	BP	20.00	0.48	36.00	7.20	0.8616	0.0004
RET3.1	N_GENERA	SAV2	BP	21.50	0.44	30.70	6.60	0.7947	0.0007
RET3.1	N_GENERA	Spring1	BP	20.00	0.33	24.75	4.95	0.7548	0.0456
RET3.1	N_GENERA	Spring2	BP	17.50	0.50	42.86	7.50	0.8779	0.0120
RET3.1	N_GENERA	Summer1	BP	20.50	0.50	36.59	7.50	0.4236	0.0095
RET3.1	N_GENERA	Summer2	BP	22.50	0.41	27.33	6.15	0.2627	0.0371
RET3.1	N_GENERA	Winter	BP	20.50	0.53	36.20	7.42	0.1098	0.0221
RET3.1	SHANNON	Annual	AP	2.79	0.03	16.13	0.45	0.4581	0.0044

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
RET3.1	SHANNON	Fall	AP	2.79	0.02	10.75	0.30	0.1805	0.3487
RET3.1	SHANNON	SAV1	AP	2.42	0.04	24.79	0.60	0.9284	0.0095
RET3.1	SHANNON	SAV2	AP	2.42	0.04	24.79	0.60	0.8727	0.0004
RET3.1	SHANNON	Spring1	AP	2.21	0.05	33.94	0.75	0.7969	0.0613
RET3.1	SHANNON	Spring2	AP	2.19	0.04	27.40	0.60	0.4506	0.0148
RET3.1	SHANNON	Summer1	AP	3.00	0.04	20.00	0.60	0.6666	0.0048
RET3.1	SHANNON	Summer2	AP	3.12	0.03	14.42	0.45	0.7777	0.0531
RET3.1	SHANNON	Winter	AP	2.81	-0.02	-9.96	-0.28	0.5853	0.5569
RET3.1	SHANNON	Annual	BP	2.48	0.04	24.19	0.60	0.6626	<0.0001
RET3.1	SHANNON	Fall	BP	2.58	0.04	23.26	0.60	0.4338	0.0126
RET3.1	SHANNON	SAV1	BP	2.35	0.04	25.53	0.60	0.5210	0.0009
RET3.1	SHANNON	SAV2	BP	2.39	0.04	25.10	0.60	0.3544	0.0001
RET3.1	SHANNON	Spring1	BP	2.44	0.03	18.44	0.45	0.4966	0.0962
RET3.1	SHANNON	Spring2	BP	2.04	0.03	22.06	0.45	0.3137	0.0506
RET3.1	SHANNON	Summer1	BP	2.18	0.04	27.52	0.60	0.3438	0.0006
RET3.1	SHANNON	Summer2	BP	2.45	0.04	24.49	0.60	0.2122	0.0057
RET3.1	SHANNON	Winter	BP	2.55	0.02	10.98	0.28	0.8506	0.4193
RET3.1	EVENNESS	Annual	AP	0.54	0.00	0.00	0.00	0.6068	0.0160
RET3.1	EVENNESS	Fall	AP	0.54	0.00	0.00	0.00	0.3563	0.3219
RET3.1	EVENNESS	SAV1	AP	0.51	0.01	29.41	0.15	0.9433	0.0077
RET3.1	EVENNESS	SAV2	AP	0.51	0.01	29.41	0.15	0.9353	0.0061
RET3.1	EVENNESS	Spring1	AP	0.49	0.01	30.61	0.15	0.9048	0.0222
RET3.1	EVENNESS	Spring2	AP	0.48	0.01	31.25	0.15	0.9677	0.0446
RET3.1	EVENNESS	Summer1	AP	0.55	0.00	0.00	0.00	0.6941	0.0868
RET3.1	EVENNESS	Summer2	AP	0.55	0.00	0.00	0.00	0.5081	0.1848
RET3.1	EVENNESS	Winter	AP	0.64	-0.01	-21.88	-0.14	0.3196	0.4628
RET3.1	EVENNESS	Annual	BP	0.56	0.00	0.00	0.00	0.5565	0.0029
RET3.1	EVENNESS	Fall	BP	0.57	0.00	0.00	0.00	0.1721	0.1188
RET3.1	EVENNESS	SAV1	BP	0.56	0.01	26.79	0.15	0.3115	0.0186
RET3.1	EVENNESS	SAV2	BP	0.54	0.01	27.78	0.15	0.5117	0.0020
RET3.1	EVENNESS	Spring1	BP	0.59	0.00	0.00	0.00	0.4292	0.2527
RET3.1	EVENNESS	Spring2	BP	0.53	0.00	0.00	0.00	0.2284	0.1721
RET3.1	EVENNESS	Summer1	BP	0.51	0.01	29.41	0.15	0.6862	0.0048
RET3.1	EVENNESS	Summer2	BP	0.54	0.01	27.78	0.15	0.7473	0.0467
RET3.1	EVENNESS	Winter	BP	0.58	0.00	0.00	0.00	0.8799	0.9415
LE3.6	TOTABUND	Annual	AP	4510279	110170	39.08	1762722	0.6138	0.1110
LE3.6	TOTABUND	Fall	AP	2288726	54209	37.90	867341	0.1948	0.6686
LE3.6	TOTABUND	SAV1	AP	4013553	194959	77.72	3119344	0.8660	0.0287
LE3.6	TOTABUND	SAV2	AP	4752753	140875	47.43	2253997	0.6094	0.1209
LE3.6	TOTABUND	Spring1	AP	4564283	215995	70.98	3239918	0.8045	0.2283
LE3.6	TOTABUND	Spring2	AP	7924697	21866	4.14	327992	0.5010	0.9360
LE3.6	TOTABUND	Summer1	AP	5374409	159717	47.55	2555473	0.2574	0.1410
LE3.6	TOTABUND	Summer2	AP	5063581	246275	77.82	3940399	0.6120	0.0364
LE3.6	TOTABUND	Winter	AP	16442977	-44258	-4.04	-663874	0.9911	0.8077
LE3.6	TOTABUND	Annual	BP	4744595	142304	47.99	2276856	0.6316	0.0006
LE3.6	TOTABUND	Fall	BP	3936506	171297	69.62	2740746	0.7171	0.0636
LE3.6	TOTABUND	SAV1	BP	5023081	141732	45.15	2267708	0.3012	0.0135
LE3.6	TOTABUND	SAV2	BP	3429246	166346	77.61	2661530	0.5140	0.0005
LE3.6	TOTABUND	Spring1	BP	9263760	66480	10.76	997200	0.2099	0.5739
LE3.6	TOTABUND	Spring2	BP	6008232	118141	29.49	1772112	0.1839	0.2083
LE3.6	TOTABUND	Summer1	BP	3181495	192256	96.69	3076088	0.9360	0.0011
LE3.6	TOTABUND	Summer2	BP	3152142	181197	91.97	2899152	0.8862	0.0024
LE3.6	TOTABUND	Winter	BP	13136658	74329	8.49	1114940	0.3007	0.5544
LE3.6	TOTBMASS	Annual	AP	289826787	5732552	31.65	91720831	0.4323	0.2060
LE3.6	TOTBMASS	Fall	AP	115692036	-3910742	-54.08	-62571864	0.3469	0.6686
LE3.6	TOTBMASS	SAV1	AP	215415473	4904712	36.43	78475387	0.1434	0.4445

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
LE3.6	TOTBMASS	SAV2	AP	303025641	11458166	60.50	183330653	0.1660	0.1133
LE3.6	TOTBMASS	Spring1	AP	697210332	1813922	3.90	27208830	0.6788	0.8935
LE3.6	TOTBMASS	Spring2	AP	462485549	3204458	10.39	48066876	0.8768	0.6880
LE3.6	TOTBMASS	Summer1	AP	303025641	17431194	92.04	278899098	0.2745	0.0185
LE3.6	TOTBMASS	Summer2	AP	289826787	27525291	151.95	440404656	0.4665	0.0058
LE3.6	TOTBMASS	Winter	AP	943724793	3001753	4.77	45026295	0.5465	0.9723
LE3.6	TOTBMASS	Annual	BP	275948980	10393658	60.26	166298531	0.2802	0.0024
LE3.6	TOTBMASS	Fall	BP	123349403	10874034	141.05	173984544	0.3001	0.0512
LE3.6	TOTBMASS	SAV1	BP	200361660	4948342	39.52	79173475	0.2654	0.3836
LE3.6	TOTBMASS	SAV2	BP	282858621	12873893	72.82	205982293	0.4099	0.0047
LE3.6	TOTBMASS	Spring1	BP	887336548	-16379312	-27.69	-245689680	0.3001	0.5380
LE3.6	TOTBMASS	Spring2	BP	416811976	20224029	72.78	303360428	0.1074	0.1895
LE3.6	TOTBMASS	Summer1	BP	282858621	16918382	95.70	270694104	0.8492	0.0008
LE3.6	TOTBMASS	Summer2	BP	273170511	12106730	70.91	193707674	0.7783	0.0083
LE3.6	TOTBMASS	Winter	BP	670945932	7988083	17.86	119821252	0.6027	0.4238
LE3.6	RATIO	Annual	AP	60.09	0.40	10.65	6.40	0.5730	0.5779
LE3.6	RATIO	Fall	AP	38.82	0.12	4.95	1.92	0.1870	0.8865
LE3.6	RATIO	SAV1	AP	56.38	-0.51	-14.47	-8.16	0.4077	0.4880
LE3.6	RATIO	SAV2	AP	60.54	0.45	11.89	7.20	0.4588	0.6832
LE3.6	RATIO	Spring1	AP	84.13	-2.06	-36.73	-30.90	0.6538	0.2283
LE3.6	RATIO	Spring2	AP	83.06	-0.14	-2.53	-2.10	0.7099	0.9360
LE3.6	RATIO	Summer1	AP	59.65	1.29	34.60	20.64	0.7815	0.1197
LE3.6	RATIO	Summer2	AP	58.82	1.40	38.08	22.40	0.6038	0.1403
LE3.6	RATIO	Winter	AP	53.32	0.70	19.69	10.50	0.4403	0.7543
LE3.6	RATIO	Annual	BP	60.32	0.43	11.41	6.88	0.2940	0.4146
LE3.6	RATIO	Fall	BP	43.08	0.87	32.31	13.92	0.0221	0.2162
LE3.6	RATIO	SAV1	BP	59.34	-0.84	-22.65	-13.44	0.9941	0.2781
LE3.6	RATIO	SAV2	BP	63.14	-0.11	-2.79	-1.76	0.7941	0.8556
LE3.6	RATIO	Spring1	BP	86.84	-1.52	-26.26	-22.80	0.9428	0.2723
LE3.6	RATIO	Spring2	BP	63.14	-0.04	-0.95	-0.60	0.2211	0.9360
LE3.6	RATIO	Summer1	BP	86.86	0.57	10.50	9.12	0.7107	0.5191
LE3.6	RATIO	Summer2	BP	93.36	-0.07	-1.20	-1.12	0.9926	1.0000
LE3.6	RATIO	Winter	BP	58.75	1.77	45.19	26.55	0.4537	0.4238
LE3.6	MARGALEF	Annual	AP	2.25	0.01	7.11	0.16	0.4878	0.2657
LE3.6	MARGALEF	Fall	AP	2.09	0.04	30.62	0.64	0.2862	0.0512
LE3.6	MARGALEF	SAV1	AP	2.15	0.01	7.44	0.16	0.7347	0.4445
LE3.6	MARGALEF	SAV2	AP	2.50	0.00	0.00	0.00	0.7735	0.9090
LE3.6	MARGALEF	Spring1	AP	2.22	0.00	0.00	0.00	0.3761	0.9360
LE3.6	MARGALEF	Spring2	AP	2.25	-0.01	-6.67	-0.15	0.6766	0.7684
LE3.6	MARGALEF	Summer1	AP	2.58	0.00	0.00	0.00	0.4567	0.7684
LE3.6	MARGALEF	Summer2	AP	2.54	0.00	0.00	0.00	0.3001	0.9621
LE3.6	MARGALEF	Winter	AP	2.29	-0.01	-6.55	-0.15	0.5708	0.7021
LE3.6	MARGALEF	Annual	BP	2.37	0.00	0.00	0.00	0.7830	0.6834
LE3.6	MARGALEF	Fall	BP	2.33	0.00	0.00	0.00	0.3049	1.0000
LE3.6	MARGALEF	SAV1	BP	2.28	0.02	14.04	0.32	0.8823	0.1943
LE3.6	MARGALEF	SAV2	BP	2.46	0.00	0.00	0.00	0.7740	0.6793
LE3.6	MARGALEF	Spring1	BP	2.32	0.01	6.47	0.15	0.9808	0.4697
LE3.6	MARGALEF	Spring2	BP	2.32	0.00	0.00	0.00	0.6855	0.9360
LE3.6	MARGALEF	Summer1	BP	2.54	0.00	0.00	0.00	0.4257	0.6989
LE3.6	MARGALEF	Summer2	BP	2.52	0.01	6.35	0.16	0.3752	0.4339
LE3.6	MARGALEF	Winter	BP	1.96	-0.01	-7.65	-0.15	0.2341	0.6512
LE3.6	DIATOM	Annual	AP	2106331	98033	74.47	1568531	0.9549	0.0068
LE3.6	DIATOM	Fall	AP	744997	79893	171.58	1278293	0.8326	0.1991
LE3.6	DIATOM	SAV1	AP	1929428	137967	114.41	2207469	0.9001	0.0135
LE3.6	DIATOM	SAV2	AP	2386591	100434	67.33	1606942	0.8826	0.0164
LE3.6	DIATOM	Spring1	AP	2820344	163761	87.10	2456411	0.9258	0.1895

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
LE3.6	DIATOM	Spring2	AP	2820344	69197	36.80	1037962	0.8783	0.4375
LE3.6	DIATOM	Summer1	AP	2386591	102065	68.43	1633042	0.6127	0.0231
LE3.6	DIATOM	Summer2	AP	2414161	130730	86.64	2091674	0.8139	0.0117
LE3.6	DIATOM	Winter	AP	14610073	10655	1.09	159830	0.4651	0.9169
LE3.6	DIATOM	Annual	BP	1962462	114672	93.49	1834748	0.5203	0.0012
LE3.6	DIATOM	Fall	BP	1378239	147234	170.92	2355748	0.9536	0.0323
LE3.6	DIATOM	SAV1	BP	3758536	102169	43.49	1634704	0.2176	0.0571
LE3.6	DIATOM	SAV2	BP	1864872	131894	113.16	2110309	0.4997	0.0010
LE3.6	DIATOM	Spring1	BP	6038862	-94785	-23.54	-1421768	0.7175	0.6880
LE3.6	DIATOM	Spring2	BP	3758536	64996	25.94	974940	0.4087	0.4065
LE3.6	DIATOM	Summer1	BP	1680121	160704	153.04	2571268	0.8552	0.0004
LE3.6	DIATOM	Summer2	BP	1608683	138426	137.68	2214812	0.7225	0.0012
LE3.6	DIATOM	Winter	BP	12237866	73904	9.06	1108560	0.3314	0.6019
LE3.6	DIATOM_C	Annual	AP	147022506	4368144	47.54	69890296	0.8563	0.0725
LE3.6	DIATOM_C	Fall	AP	35156149	4012246	182.60	64195935	0.8951	0.2954
LE3.6	DIATOM_C	SAV1	AP	82398538	5727415	111.21	91638635	0.6647	0.2626
LE3.6	DIATOM_C	SAV2	AP	163875583	6533818	63.79	104541089	0.9492	0.0299
LE3.6	DIATOM_C	Spring1	AP	586883955	-2427933	-6.21	-36418989	0.6147	0.8513
LE3.6	DIATOM_C	Spring2	AP	313866182	4220413	20.17	63306198	0.9620	0.4697
LE3.6	DIATOM_C	Summer1	AP	163875583	6900860	67.38	110413754	0.9150	0.0207
LE3.6	DIATOM_C	Summer2	AP	183971311	8107816	70.51	129725059	0.9218	0.0224
LE3.6	DIATOM_C	Winter	AP	886165640	-3889625	-6.58	-58344378	0.2818	0.8620
LE3.6	DIATOM_C	Annual	BP	145668517	9602074	105.47	153633189	0.2713	0.0019
LE3.6	DIATOM_C	Fall	BP	62065852	15267934	393.59	244286941	0.5073	0.0027
LE3.6	DIATOM_C	SAV1	BP	157218605	5529453	56.27	88471248	0.2018	0.1823
LE3.6	DIATOM_C	SAV2	BP	157218605	10449097	106.34	167185547	0.4935	0.0047
LE3.6	DIATOM_C	Spring1	BP	788040561	-20786900	-39.57	-311803500	0.5083	0.4065
LE3.6	DIATOM_C	Spring2	BP	341194324	13148027	57.80	197220408	0.1378	0.2496
LE3.6	DIATOM_C	Summer1	BP	134118429	10617650	126.67	169882403	0.7740	0.0040
LE3.6	DIATOM_C	Summer2	BP	134087851	8211391	97.98	131382262	0.8040	0.0354
LE3.6	DIATOM_C	Winter	BP	637047795	8333405	19.62	125001080	0.6840	0.6019
LE3.6	DINOFLG	Annual	AP	183042	4814	42.08	77027	0.2628	0.0648
LE3.6	DINOFLG	Fall	AP	89109	-1611	-28.92	-25769	0.0528	0.6343
LE3.6	DINOFLG	SAV1	AP	133471	6619	79.35	105906	0.5240	0.0409
LE3.6	DINOFLG	SAV2	AP	205460	5564	43.33	89021	0.7095	0.1462
LE3.6	DINOFLG	Spring1	AP	133471	12176	136.84	182646	0.7871	0.0446
LE3.6	DINOFLG	Spring2	AP	205460	4892	35.71	73374	0.5878	0.3769
LE3.6	DINOFLG	Summer1	AP	300407	9615	51.21	153839	0.7134	0.1410
LE3.6	DINOFLG	Summer2	AP	243818	12362	81.12	197796	0.9644	0.0707
LE3.6	DINOFLG	Winter	AP	183693	5229	42.70	78432	0.1128	0.4652
LE3.6	DINOFLG	Annual	BP	119028	6568	88.29	105091	0.6217	0.0008
LE3.6	DINOFLG	Fall	BP	47423	2250	75.93	36007	0.8790	0.2536
LE3.6	DINOFLG	SAV1	BP	77075	7101	147.42	113623	0.4877	0.0024
LE3.6	DINOFLG	SAV2	BP	122742	6642	86.58	106274	0.9881	0.0114
LE3.6	DINOFLG	Spring1	BP	198311	15815	119.62	237218	0.1416	0.0080
LE3.6	DINOFLG	Spring2	BP	287273	9687	50.58	145301	0.6670	0.1409
LE3.6	DINOFLG	Summer1	BP	122742	6633	86.47	106132	0.9962	0.0352
LE3.6	DINOFLG	Summer2	BP	121045	6048	79.94	96762	0.9732	0.0631
LE3.6	DINOFLG	Winter	BP	73940	4123	83.65	61851	0.0963	0.5088
LE3.6	DINOFL_C	Annual	AP	24912194	2371520	152.31	37944316	0.2492	0.0004
LE3.6	DINOFL_C	Fall	AP	14939102	489893	52.47	7838282	0.0626	0.8491
LE3.6	DINOFL_C	SAV1	AP	20756245	2376567	183.20	38025077	0.0840	0.0090
LE3.6	DINOFL_C	SAV2	AP	67270311	2656698	63.19	42507169	0.2237	0.0299
LE3.6	DINOFL_C	Spring1	AP	13136653	2344083	267.66	35161251	0.3347	0.0068
LE3.6	DINOFL_C	Spring2	AP	20756245	2092560	151.22	31388403	0.5336	0.0728
LE3.6	DINOFL_C	Summer1	AP	86491911	7742635	143.23	123882167	0.7484	0.0131

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
LE3.6	DINOFL_C	Summer2	AP	76881111	10551068	219.58	168817086	0.6120	0.0174
LE3.6	DINOFL_C	Winter	AP	16537635	1694960	153.74	25424399	0.2586	0.0762
LE3.6	DINOFL_C	Annual	BP	32389525	1869537	92.35	29912597	0.2315	<0.0001
LE3.6	DINOFL_C	Fall	BP	16602927	417922	40.27	6686748	0.3687	0.5681
LE3.6	DINOFL_C	SAV1	BP	27045735	1122564	66.41	17961022	0.1700	0.0526
LE3.6	DINOFL_C	SAV2	BP	34989682	1323841	60.54	21181456	0.7178	0.0419
LE3.6	DINOFL_C	Spring1	BP	27887358	2778765	149.46	41681480	0.2020	0.0042
LE3.6	DINOFL_C	Spring2	BP	27887358	2879565	154.89	43193474	0.6276	0.0344
LE3.6	DINOFL_C	Summer1	BP	68099467	2628706	61.76	42059288	0.8290	0.0391
LE3.6	DINOFL_C	Summer2	BP	65803123	1255505	30.53	20088072	0.8581	0.1561
LE3.6	DINOFL_C	Winter	BP	10523153	2023910	288.49	30358647	0.3057	0.0003
LE3.6	CYANO	Annual	AP	48	5185	172827.67	82957	0.7449	<0.0001
LE3.6	CYANO	Fall	AP	0	1853	0.00	29648	0.8496	0.0011
LE3.6	CYANO	SAV1	AP	21081	5891	447.09	94251	0.4293	0.0011
LE3.6	CYANO	SAV2	AP	16589	14907	1437.78	238514	0.7861	0.0003
LE3.6	CYANO	Spring1	AP	1451520	2445	2.53	36668	0.2007	0.1700
LE3.6	CYANO	Spring2	AP	33178	4700	212.49	70500	0.3542	0.0554
LE3.6	CYANO	Summer1	AP	16589	26521	2557.93	424334	0.7733	0.0073
LE3.6	CYANO	Summer2	AP	8327	34050	6543.06	544808	0.6775	0.0094
LE3.6	CYANO	Winter	AP	0	10217	0.00	153251	0.9208	0.0017
LE3.6	CYANO	Annual	BP	64	4673	116833.25	74773	0.9610	<0.0001
LE3.6	CYANO	Fall	BP	256	1303	8144.37	20850	0.8492	0.0031
LE3.6	CYANO	SAV1	BP	32	6944	347200.00	111104	0.6533	<0.0001
LE3.6	CYANO	SAV2	BP	384	15206	63358.33	243296	0.7548	<0.0001
LE3.6	CYANO	Spring1	BP	0	19523	0.00	292838	0.6103	0.0057
LE3.6	CYANO	Spring2	BP	13306	27652	3117.39	414784	0.6107	0.0047
LE3.6	CYANO	Summer1	BP	64	8672	216800.00	138752	0.5395	0.0001
LE3.6	CYANO	Summer2	BP	48	7201	240025.00	115212	0.3639	0.0003
LE3.6	CYANO	Winter	BP	32	384	18000.00	5760	0.7091	0.0657
LE3.6	CYANO_C	Annual	AP	11843	48814	6594.75	781029	0.7442	<0.0001
LE3.6	CYANO_C	Fall	AP	0	24132	0.00	386111	0.9371	0.0002
LE3.6	CYANO_C	SAV1	AP	31622	65631	3320.83	1050097	0.4390	0.0002
LE3.6	CYANO_C	SAV2	AP	31622	69079	3495.29	1105265	0.7535	0.0002
LE3.6	CYANO_C	Spring1	AP	36019094	48449	2.02	726738	0.1755	0.0803
LE3.6	CYANO_C	Spring2	AP	533005	65631	184.70	984466	0.2476	0.0251
LE3.6	CYANO_C	Summer1	AP	80966	87878	1736.60	1406050	0.9262	0.0069
LE3.6	CYANO_C	Summer2	AP	52197	82988	2543.82	1327804	0.8049	0.0152
LE3.6	CYANO_C	Winter	AP	0	72438	0.00	1086565	0.9736	0.0004
LE3.6	CYANO_C	Annual	BP	4735	29975	10128.61	479594	0.9721	<0.0001
LE3.6	CYANO_C	Fall	BP	35822	14226	635.41	227618	0.8829	0.0021
LE3.6	CYANO_C	SAV1	BP	257	36122	224636.82	577946	0.8080	<0.0001
LE3.6	CYANO_C	SAV2	BP	10985	56084	8168.81	897340	0.8732	<0.0001
LE3.6	CYANO_C	Spring1	BP	0	44306	0.00	664595	0.8406	0.0044
LE3.6	CYANO_C	Spring2	BP	85431	70797	1243.06	1061959	0.8503	0.0040
LE3.6	CYANO_C	Summer1	BP	515	45285	140812.97	724567	0.5566	0.0001
LE3.6	CYANO_C	Summer2	BP	386	45285	187750.62	724567	0.4003	0.0004
LE3.6	CYANO_C	Winter	BP	4478	17372	5819.27	260573	0.3365	0.0372
LE3.6	CHLORO	Annual	AP	8294	1262	243.36	20184	0.6985	<0.0001
LE3.6	CHLORO	Fall	AP	0	44	0.00	700	0.2505	0.0091
LE3.6	CHLORO	SAV1	AP	8294	1388	267.81	22212	0.6882	0.0067
LE3.6	CHLORO	SAV2	AP	15162	2082	219.75	33318	0.6639	0.0099
LE3.6	CHLORO	Spring1	AP	82555	5402	98.14	81023	0.3031	0.0569
LE3.6	CHLORO	Spring2	AP	82555	8370	152.09	125556	0.2695	0.0469
LE3.6	CHLORO	Summer1	AP	8294	1690	325.94	27033	0.4950	0.0376
LE3.6	CHLORO	Summer2	AP	4155	65	24.98	1038	0.5753	0.2055
LE3.6	CHLORO	Winter	AP	37325	1920	77.16	28800	0.6921	0.0441

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
LE3.6	CHLORO	Annual	BP	8509	986	185.43	15778	0.6621	<0.0001
LE3.6	CHLORO	Fall	BP	0	34	0.00	549	0.5569	0.0028
LE3.6	CHLORO	SAV1	BP	0	2176	0.00	34816	0.1495	0.0010
LE3.6	CHLORO	SAV2	BP	12922	4214	521.84	67430	0.7008	<0.0001
LE3.6	CHLORO	Spring1	BP	16589	192	17.36	2880	0.1024	0.3460
LE3.6	CHLORO	Spring2	BP	21967	2534	173.02	38007	0.3651	0.0552
LE3.6	CHLORO	Summer1	BP	16589	3906	376.69	62489	0.8582	0.0040
LE3.6	CHLORO	Summer2	BP	14755	3933	426.45	62924	0.8104	0.0054
LE3.6	CHLORO	Winter	BP	15079	37	3.64	549	0.9686	0.0909
LE3.6	CHLORO_C	Annual	AP	186615	17944	153.85	287108	0.9246	0.0004
LE3.6	CHLORO_C	Fall	AP	0	0	0.00	0	0.5346	0.0433
LE3.6	CHLORO_C	SAV1	AP	186615	26879	230.46	430071	0.7405	0.0127
LE3.6	CHLORO_C	SAV2	AP	373253	50011	214.38	800182	0.8315	0.0245
LE3.6	CHLORO_C	Spring1	AP	4246603	140586	49.66	2108793	0.3624	0.0813
LE3.6	CHLORO_C	Spring2	AP	4246603	194524	68.71	2917861	0.4347	0.1193
LE3.6	CHLORO_C	Summer1	AP	186615	37573	322.15	601174	0.7193	0.0825
LE3.6	CHLORO_C	Summer2	AP	93399	4268	73.11	68280	0.6161	0.2234
LE3.6	CHLORO_C	Winter	AP	839801	42207	75.39	633112	0.6105	0.0835
LE3.6	CHLORO_C	Annual	BP	188339	35518	301.73	568283	0.7528	<0.0001
LE3.6	CHLORO_C	Fall	BP	0	22085	0.00	353360	0.5633	0.0017
LE3.6	CHLORO_C	SAV1	BP	0	39102	0.00	625633	0.2214	0.0010
LE3.6	CHLORO_C	SAV2	BP	284517	116831	657.01	1869300	0.7244	<0.0001
LE3.6	CHLORO_C	Spring1	BP	373253	4762	19.14	71424	0.1198	0.2061
LE3.6	CHLORO_C	Spring2	BP	494258	77911	236.45	1168670	0.3567	0.0330
LE3.6	CHLORO_C	Summer1	BP	373253	116599	499.82	1865581	0.9362	0.0030
LE3.6	CHLORO_C	Summer2	BP	328885	116599	567.24	1865581	0.9379	0.0046
LE3.6	CHLORO_C	Winter	BP	3088529	418	0.20	6265	0.8799	0.0982
LE3.6	CRYPTO	Annual	AP	1144882	-12025	-16.81	-192401	0.1407	0.2059
LE3.6	CRYPTO	Fall	AP	1156649	-19663	-27.20	-314615	0.3831	0.0912
LE3.6	CRYPTO	SAV1	AP	989362	3383	5.47	54131	0.3302	0.7489
LE3.6	CRYPTO	SAV2	AP	1160378	-22068	-30.43	-353085	0.3870	0.1248
LE3.6	CRYPTO	Spring1	AP	947207	14432	22.85	216480	0.1002	0.3349
LE3.6	CRYPTO	Spring2	AP	989362	-27699	-41.99	-415479	0.1478	0.1637
LE3.6	CRYPTO	Summer1	AP	1959079	-45723	-37.34	-731570	0.2439	0.1197
LE3.6	CRYPTO	Summer2	AP	1547961	-22532	-23.29	-360517	0.3133	0.4756
LE3.6	CRYPTO	Winter	AP	1157071	6000	7.78	90000	0.7275	0.7543
LE3.6	CRYPTO	Annual	BP	805632	11667	23.17	186678	0.8380	0.0764
LE3.6	CRYPTO	Fall	BP	787503	5139	10.44	82216	0.6204	0.6343
LE3.6	CRYPTO	SAV1	BP	887499	11683	21.06	186935	0.9237	0.1710
LE3.6	CRYPTO	SAV2	BP	655258	11480	28.03	183672	0.9673	0.2824
LE3.6	CRYPTO	Spring1	BP	988603	11683	17.73	175251	0.7819	0.3769
LE3.6	CRYPTO	Spring2	BP	1511014	6751	6.70	101267	0.9286	0.6490
LE3.6	CRYPTO	Summer1	BP	655258	9378	22.90	150048	0.8742	0.5474
LE3.6	CRYPTO	Summer2	BP	647542	9378	23.17	150048	0.7064	0.5906
LE3.6	CRYPTO	Winter	BP	660481	20544	46.66	308160	0.1017	0.0436
LE3.6	CRYPTO_C	Annual	AP	27488605	-288722	-16.81	-4619554	0.1407	0.2059
LE3.6	CRYPTO_C	Fall	AP	27771142	-472119	-27.20	-7553904	0.3831	0.0912
LE3.6	CRYPTO_C	SAV1	AP	23754582	81231	5.47	1299690	0.3302	0.7489
LE3.6	CRYPTO_C	SAV2	AP	27860676	-529848	-30.43	-8477573	0.3870	0.1248
LE3.6	CRYPTO_C	Spring1	AP	22742428	346512	22.85	5197685	0.1002	0.3349
LE3.6	CRYPTO_C	Spring2	AP	23754582	-665044	-41.99	-9975660	0.1478	0.1637
LE3.6	CRYPTO_C	Summer1	AP	47037475	-1097812	-37.34	-17564995	0.2439	0.1197
LE3.6	CRYPTO_C	Summer2	AP	37166538	-541000	-23.29	-8656004	0.3133	0.4756
LE3.6	CRYPTO_C	Winter	AP	27781275	144060	7.78	2160900	0.7275	0.7543
LE3.6	CRYPTO_C	Annual	BP	16943548	280134	26.45	4482139	0.8438	0.0808
LE3.6	CRYPTO_C	Fall	BP	16119699	123376	12.25	1974012	0.6204	0.6343

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
LE3.6	CRYPTO_C	SAV1	BP	21308851	275623	20.70	4409965	0.9314	0.1823
LE3.6	CRYPTO_C	SAV2	BP	15732733	279749	28.45	4475976	0.9673	0.2824
LE3.6	CRYPTO_C	Spring1	BP	23736346	214145	13.53	3212178	0.8141	0.4065
LE3.6	CRYPTO_C	Spring2	BP	36279446	162095	6.70	2431424	0.9286	0.6490
LE3.6	CRYPTO_C	Summer1	BP	15732733	234255	23.82	3748077	0.8742	0.5474
LE3.6	CRYPTO_C	Summer2	BP	15547471	234255	24.11	3748077	0.7064	0.5906
LE3.6	CRYPTO_C	Winter	BP	15858137	493261	46.66	7398922	0.1017	0.0436
LE3.6	PROCARY	Annual	AP	0.00	0.00	0.00	0.00	0.7372	<0.0001
LE3.6	PROCARY	Fall	AP	0.00	0.00	0.00	0.00	0.8378	0.0003
LE3.6	PROCARY	SAV1	AP	0.01	0.00	0.00	0.00	0.3940	0.0004
LE3.6	PROCARY	SAV2	AP	0.00	0.00	0.00	0.00	0.7773	0.0001
LE3.6	PROCARY	Spring1	AP	0.29	0.00	0.00	0.00	0.1636	0.1125
LE3.6	PROCARY	Spring2	AP	0.00	0.00	0.00	0.00	0.3475	0.0251
LE3.6	PROCARY	Summer1	AP	0.00	0.00	0.00	0.00	0.8251	0.0078
LE3.6	PROCARY	Summer2	AP	0.00	0.00	0.00	0.00	0.6803	0.0133
LE3.6	PROCARY	Winter	AP	0.00	0.00	0.00	0.00	0.8439	0.0024
LE3.6	PROCARY	Annual	BP	0.00	0.00	0.00	0.00	0.9911	<0.0001
LE3.6	PROCARY	Fall	BP	0.00	0.00	0.00	0.00	0.8797	0.0042
LE3.6	PROCARY	SAV1	BP	0.00	0.00	0.00	0.00	0.7928	<0.0001
LE3.6	PROCARY	SAV2	BP	0.00	0.00	0.00	0.00	0.8932	<0.0001
LE3.6	PROCARY	Spring1	BP	0.00	0.00	0.00	0.00	0.7318	0.0044
LE3.6	PROCARY	Spring2	BP	0.00	0.00	0.00	0.00	0.7302	0.0047
LE3.6	PROCARY	Summer1	BP	0.00	0.00	0.00	0.00	0.6673	0.0001
LE3.6	PROCARY	Summer2	BP	0.00	0.00	0.00	0.00	0.4940	0.0005
LE3.6	PROCARY	Winter	BP	0.00	0.00	0.00	0.00	0.8969	0.0717
LE3.6	PROCAR_C	Annual	AP	0.00	0.00	0.00	0.00	0.6727	<0.0001
LE3.6	PROCAR_C	Fall	AP	0.00	0.00	0.00	0.00	0.8738	0.0002
LE3.6	PROCAR_C	SAV1	AP	0.00	0.00	0.00	0.00	0.4819	0.0007
LE3.6	PROCAR_C	SAV2	AP	0.00	0.00	0.00	0.00	0.8282	0.0014
LE3.6	PROCAR_C	Spring1	AP	0.04	0.00	0.00	0.00	0.2500	0.1252
LE3.6	PROCAR_C	Spring2	AP	0.00	0.00	0.00	0.00	0.3170	0.0430
LE3.6	PROCAR_C	Summer1	AP	0.00	0.00	0.00	0.00	0.9779	0.0284
LE3.6	PROCAR_C	Summer2	AP	0.00	0.00	0.00	0.00	0.9110	0.0642
LE3.6	PROCAR_C	Winter	AP	0.00	0.00	0.00	0.00	0.7532	0.0003
LE3.6	PROCAR_C	Annual	BP	0.00	0.00	0.00	0.00	0.9128	<0.0001
LE3.6	PROCAR_C	Fall	BP	0.00	0.00	0.00	0.00	0.6504	0.0067
LE3.6	PROCAR_C	SAV1	BP	0.00	0.00	0.00	0.00	0.8051	<0.0001
LE3.6	PROCAR_C	SAV2	BP	0.00	0.00	0.00	0.00	0.7964	<0.0001
LE3.6	PROCAR_C	Spring1	BP	0.00	0.00	0.00	0.00	0.8173	0.0062
LE3.6	PROCAR_C	Spring2	BP	0.00	0.00	0.00	0.00	0.7660	0.0077
LE3.6	PROCAR_C	Summer1	BP	0.00	0.00	0.00	0.00	0.4404	0.0009
LE3.6	PROCAR_C	Summer2	BP	0.00	0.00	0.00	0.00	0.3419	0.0012
LE3.6	PROCAR_C	Winter	BP	0.00	0.00	0.00	0.00	0.3459	0.1120
LE3.6	COCCO	Annual	AP	0	0	0.00	0	0.5159	0.5424
LE3.6	COCCO	Fall	AP	0	0	0.00	0	0.6177	0.8169
LE3.6	COCCO	SAV1	AP	0	0	0.00	0	0.8434	0.9779
LE3.6	COCCO	SAV2	AP	0	0	0.00	0	0.5767	0.1254
LE3.6	COCCO	Spring1	AP	0	0	0.00	0	0.7530	0.8948
LE3.6	COCCO	Spring2	AP	4147	0	0.00	0	0.4620	0.1368
LE3.6	COCCO	Summer1	AP	64	0	0.00	0	0.2375	0.2106
LE3.6	COCCO	Summer2	AP	32	0	0.00	0	0.2466	0.6995
LE3.6	COCCO	Winter	AP	0	0	0.00	0		0.1603
LE3.6	COCCO	Annual	BP	0	0	0.00	0	0.4721	0.1876
LE3.6	COCCO	Fall	BP	0	0	0.00	0	0.7843	0.8482
LE3.6	COCCO	SAV1	BP	0	0	0.00	0	0.7953	0.3695
LE3.6	COCCO	SAV2	BP	0	0	0.00	0	0.4355	0.1684

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
LE3.6	COCCO	Spring1	BP	0	0	0.00	0	0.9844	0.1051
LE3.6	COCCO	Spring2	BP	0	0	0.00	0	0.2642	0.6939
LE3.6	COCCO	Summer1	BP	0	0	0.00	0	0.1608	0.3976
LE3.6	COCCO	Summer2	BP	0	0	0.00	0	0.2250	0.1692
LE3.6	COCCO	Winter	BP	0	0	0.00	0	0.1511	0.5136
LE3.6	COCCO_C	Annual	AP	0	0	0.00	0	0.5373	0.5688
LE3.6	COCCO_C	Fall	AP	0	0	0.00	0	0.6177	0.8169
LE3.6	COCCO_C	SAV1	AP	0	0	0.00	0	0.8434	0.9779
LE3.6	COCCO_C	SAV2	AP	0	0	0.00	0	0.5969	0.1373
LE3.6	COCCO_C	Spring1	AP	0	0	0.00	0	0.7530	0.8948
LE3.6	COCCO_C	Spring2	AP	416815	0	0.00	0	0.5523	0.1805
LE3.6	COCCO_C	Summer1	AP	6433	0	0.00	0	0.2520	0.2326
LE3.6	COCCO_C	Summer2	AP	3216	0	0.00	0	0.2091	0.6483
LE3.6	COCCO_C	Winter	AP	0	0	0.00	0		0.1603
LE3.6	COCCO_C	Annual	BP	0	0	0.00	0	0.4705	0.1564
LE3.6	COCCO_C	Fall	BP	0	0	0.00	0	0.7843	0.8482
LE3.6	COCCO_C	SAV1	BP	0	0	0.00	0	0.7932	0.2865
LE3.6	COCCO_C	SAV2	BP	0	0	0.00	0	0.4752	0.1616
LE3.6	COCCO_C	Spring1	BP	0	0	0.00	0	0.9795	0.0739
LE3.6	COCCO_C	Spring2	BP	0	0	0.00	0	0.2642	0.6939
LE3.6	COCCO_C	Summer1	BP	0	0	0.00	0	0.1833	0.3827
LE3.6	COCCO_C	Summer2	BP	0	0	0.00	0	0.2713	0.1603
LE3.6	COCCO_C	Winter	BP	0	0	0.00	0	0.1511	0.5136
LE3.6	EUGLENO	Annual	BP	0	0	0.00	0	0.2343	0.1643
LE3.6	EUGLENO	Fall	BP	0	0	0.00	0	0.7604	0.5171
LE3.6	EUGLENO	SAV1	BP	0	0	0.00	0	0.5031	0.4181
LE3.6	EUGLENO	SAV2	BP	0	0	0.00	0	0.2347	0.0777
LE3.6	EUGLENO	Spring1	BP	0	0	0.00	0	0.2530	0.5891
LE3.6	EUGLENO	Spring2	BP	0	0	0.00	0	0.3176	0.1560
LE3.6	EUGLENO	Summer1	BP	0	0	0.00	0	0.0690	0.0533
LE3.6	EUGLENO	Summer2	BP	0	0	0.00	0	0.0605	0.2858
LE3.6	EUGLENO	Winter	BP	0	0	0.00	0	0.8180	0.8506
LE3.6	EUGLEN_C	Annual	BP	0	0	0.00	0	0.2174	0.0852
LE3.6	EUGLEN_C	Fall	BP	0	0	0.00	0	0.8776	0.4111
LE3.6	EUGLEN_C	SAV1	BP	0	0	0.00	0	0.5302	0.5999
LE3.6	EUGLEN_C	SAV2	BP	0	0	0.00	0	0.2452	0.0356
LE3.6	EUGLEN_C	Spring1	BP	0	0	0.00	0	0.2530	0.5891
LE3.6	EUGLEN_C	Spring2	BP	0	0	0.00	0	0.3373	0.1650
LE3.6	EUGLEN_C	Summer1	BP	0	0	0.00	0	0.0913	0.0191
LE3.6	EUGLEN_C	Summer2	BP	0	0	0.00	0	0.0613	0.1148
LE3.6	EUGLEN_C	Winter	BP	0	0	0.00	0	0.7346	0.9499
LE3.6	PICO	Annual	AP	189350000	-682934	-4.33	-8195212	0.7679	0.0645
LE3.6	PICO	Fall	AP	71000000	301836	5.10	3622031	0.6961	0.8880
LE3.6	PICO	SAV1	AP	189350000	-476667	-3.02	-5720000	0.8151	0.1272
LE3.6	PICO	SAV2	AP	596000000	-1950000	-3.93	-23400000	0.7501	0.0233
LE3.6	PICO	Spring1	AP	10000000	-385000	-46.20	-4620000	0.7375	0.1085
LE3.6	PICO	Spring2	AP	189350000	-654286	-4.15	-7851429	0.6830	0.1278
LE3.6	PICO	Summer1	AP	1141500000	-37332667	-39.25	-447992004	0.7833	0.0334
LE3.6	PICO	Summer2	AP	1502000000	-53524500	-42.76	-642294000	0.8712	0.0236
LE3.6	PICO	Winter	AP	18150000	143000	9.45	1716000	0.3238	0.7855
LE3.6	PICO	Annual	BP	81400000	-705456	-10.40	-8465475	0.8744	0.0674
LE3.6	PICO	Fall	BP	63350000	720167	13.64	8642000	0.7171	0.7781
LE3.6	PICO	SAV1	BP	81400000	-566000	-8.34	-6792000	0.8910	0.2085
LE3.6	PICO	SAV2	BP	672750000	-2433000	-4.34	-29196000	0.6980	0.0800
LE3.6	PICO	Spring1	BP	9740000	-451625	-55.64	-5419500	0.7401	0.2326
LE3.6	PICO	Spring2	BP	78400000	-1031400	-15.79	-12376800	0.3776	0.0915

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
LE3.6	PICO	Summer1	BP	913500000	-34036417	-44.71	-408437004	0.6032	0.0335
LE3.6	PICO	Summer2	BP	841500000	-27291526	-38.92	-327498312	0.7608	0.1968
LE3.6	PICO	Winter	BP	18700000	-279286	-17.92	-3351429	0.7454	0.6243
LE3.6	PICO_C	Annual	AP	284025000	-1024402	-4.33	-12292818	0.7679	0.0645
LE3.6	PICO_C	Fall	AP	106500000	452754	5.10	5433046	0.6961	0.8880
LE3.6	PICO_C	SAV1	AP	284025000	-715000	-3.02	-8580000	0.8151	0.1272
LE3.6	PICO_C	SAV2	AP	894000000	-2925000	-3.93	-35100000	0.7501	0.0233
LE3.6	PICO_C	Spring1	AP	15000000	-577500	-46.20	-6930000	0.7375	0.1085
LE3.6	PICO_C	Spring2	AP	284025000	-981429	-4.15	-11777143	0.6830	0.1278
LE3.6	PICO_C	Summer1	AP	1712250000	-55999000	-39.25	-671988000	0.7833	0.0334
LE3.6	PICO_C	Summer2	AP	2253000000	-80286750	-42.76	-963441000	0.8712	0.0236
LE3.6	PICO_C	Winter	AP	27225000	214500	9.45	2574000	0.3238	0.7855
LE3.6	PICO_C	Annual	BP	122100000	-1058184	-10.40	-12698213	0.8744	0.0674
LE3.6	PICO_C	Fall	BP	95025000	1080250	13.64	12963000	0.7171	0.7781
LE3.6	PICO_C	SAV1	BP	122100000	-849000	-8.34	-10188000	0.8910	0.2085
LE3.6	PICO_C	SAV2	BP	1009125000	-3649500	-4.34	-43794000	0.6980	0.0800
LE3.6	PICO_C	Spring1	BP	14610000	-677438	-55.64	-8129250	0.7401	0.2326
LE3.6	PICO_C	Spring2	BP	117600000	-1547100	-15.79	-18565200	0.3776	0.0915
LE3.6	PICO_C	Summer1	BP	1370250000	-51054625	-44.71	-612655500	0.6032	0.0335
LE3.6	PICO_C	Summer2	BP	1262250000	-40937289	-38.92	-491247468	0.7608	0.1968
LE3.6	PICO_C	Winter	BP	28050000	-418929	-17.92	-5027143	0.7454	0.6243
LE3.6	N_SP	Annual	AP	35.75	0.14	6.27	2.24	0.6172	0.1705
LE3.6	N_SP	Fall	AP	32.25	0.54	26.79	8.64	0.4827	0.0335
LE3.6	N_SP	SAV1	AP	33.50	0.21	10.03	3.36	0.5509	0.2929
LE3.6	N_SP	SAV2	AP	39.00	0.00	0.00	0.00	0.8767	0.8315
LE3.6	N_SP	Spring1	AP	35.50	0.00	0.00	0.00	0.2567	0.9572
LE3.6	N_SP	Spring2	AP	36.00	-0.08	-3.33	-1.20	0.6119	0.6674
LE3.6	N_SP	Summer1	AP	41.00	0.12	4.68	1.92	0.8114	0.5000
LE3.6	N_SP	Summer2	AP	40.00	0.09	3.60	1.44	0.6361	0.6336
LE3.6	N_SP	Winter	AP	39.00	-0.13	-5.00	-1.95	0.7109	0.6002
LE3.6	N_SP	Annual	BP	37.50	0.15	6.40	2.40	0.8137	0.2501
LE3.6	N_SP	Fall	BP	35.00	0.17	7.77	2.72	0.2996	0.6503
LE3.6	N_SP	SAV1	BP	36.50	0.33	14.47	5.28	0.8363	0.0692
LE3.6	N_SP	SAV2	BP	38.00	0.17	7.16	2.72	0.6866	0.3043
LE3.6	N_SP	Spring1	BP	38.00	0.17	6.71	2.55	0.8981	0.5024
LE3.6	N_SP	Spring2	BP	38.00	0.04	1.58	0.60	0.7014	0.9146
LE3.6	N_SP	Summer1	BP	39.00	0.19	7.79	3.04	0.3002	0.3544
LE3.6	N_SP	Summer2	BP	38.50	0.33	13.71	5.28	0.2808	0.1856
LE3.6	N_SP	Winter	BP	33.00	0.00	0.00	0.00	0.5403	0.9166
LE3.6	N_GENERA	Annual	AP	29.50	0.18	9.76	2.88	0.5755	0.0108
LE3.6	N_GENERA	Fall	AP	26.25	0.48	29.26	7.68	0.6989	0.0179
LE3.6	N_GENERA	SAV1	AP	26.50	0.25	15.09	4.00	0.4864	0.0304
LE3.6	N_GENERA	SAV2	AP	31.00	0.13	6.71	2.08	0.8345	0.1521
LE3.6	N_GENERA	Spring1	AP	27.50	0.17	9.27	2.55	0.1542	0.2812
LE3.6	N_GENERA	Spring2	AP	31.00	0.06	2.90	0.90	0.4054	0.6473
LE3.6	N_GENERA	Summer1	AP	32.00	0.17	8.50	2.72	0.8848	0.1263
LE3.6	N_GENERA	Summer2	AP	31.00	0.13	6.71	2.08	0.7265	0.2019
LE3.6	N_GENERA	Winter	AP	31.00	0.00	0.00	0.00	0.3525	0.6997
LE3.6	N_GENERA	Annual	BP	30.50	0.13	6.82	2.08	0.7052	0.1787
LE3.6	N_GENERA	Fall	BP	28.75	0.00	0.00	0.00	0.2972	0.7374
LE3.6	N_GENERA	SAV1	BP	29.00	0.25	13.79	4.00	0.6643	0.0632
LE3.6	N_GENERA	SAV2	BP	30.50	0.20	10.49	3.20	0.5455	0.1397
LE3.6	N_GENERA	Spring1	BP	34.50	0.08	3.48	1.20	0.9160	0.6087
LE3.6	N_GENERA	Spring2	BP	34.50	0.00	0.00	0.00	0.7037	0.9357
LE3.6	N_GENERA	Summer1	BP	30.50	0.25	13.11	4.00	0.2151	0.1260
LE3.6	N_GENERA	Summer2	BP	30.50	0.35	18.36	5.60	0.3102	0.0418

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
LE3.6	N_GENERA	Winter	BP	26.00	0.00	0.00	0.00	0.6429	0.9722
LE3.6	SHANNON	Annual	AP	2.49	0.04	25.70	0.64	0.7632	<0.0001
LE3.6	SHANNON	Fall	AP	2.32	0.05	34.48	0.80	0.3687	0.0153
LE3.6	SHANNON	SAV1	AP	2.52	0.04	25.40	0.64	0.7165	0.0001
LE3.6	SHANNON	SAV2	AP	2.76	0.04	23.19	0.64	0.6944	<0.0001
LE3.6	SHANNON	Spring1	AP	2.81	0.05	26.69	0.75	0.6966	0.0017
LE3.6	SHANNON	Spring2	AP	2.81	0.05	26.69	0.75	0.6560	0.0014
LE3.6	SHANNON	Summer1	AP	2.76	0.03	17.39	0.48	0.3105	0.0019
LE3.6	SHANNON	Summer2	AP	2.58	0.03	18.60	0.48	0.3021	0.0287
LE3.6	SHANNON	Winter	AP	1.93	0.05	38.86	0.75	0.3489	0.0475
LE3.6	SHANNON	Annual	BP	2.85	0.03	16.84	0.48	0.7546	0.0009
LE3.6	SHANNON	Fall	BP	2.81	0.00	0.00	0.00	0.7554	0.7392
LE3.6	SHANNON	SAV1	BP	2.78	0.03	17.27	0.48	0.9334	0.0135
LE3.6	SHANNON	SAV2	BP	2.78	0.04	23.02	0.64	0.7033	0.0057
LE3.6	SHANNON	Spring1	BP	3.30	0.04	18.18	0.60	0.8978	0.0506
LE3.6	SHANNON	Spring2	BP	2.78	0.04	21.58	0.60	0.8167	0.0301
LE3.6	SHANNON	Summer1	BP	2.72	0.04	23.53	0.64	0.3386	0.0203
LE3.6	SHANNON	Summer2	BP	2.87	0.04	22.30	0.64	0.2172	0.0783
LE3.6	SHANNON	Winter	BP	2.07	0.04	28.99	0.60	0.4953	0.0238
LE3.6	EVENNESS	Annual	AP	0.49	0.01	32.65	0.16	0.7836	<0.0001
LE3.6	EVENNESS	Fall	AP	0.47	0.01	34.04	0.16	0.2823	0.0117
LE3.6	EVENNESS	SAV1	AP	0.50	0.01	32.00	0.16	0.7396	0.0001
LE3.6	EVENNESS	SAV2	AP	0.50	0.01	32.00	0.16	0.7459	<0.0001
LE3.6	EVENNESS	Spring1	AP	0.55	0.01	27.27	0.15	0.9305	0.0008
LE3.6	EVENNESS	Spring2	AP	0.55	0.01	27.27	0.15	0.8481	0.0003
LE3.6	EVENNESS	Summer1	AP	0.50	0.01	32.00	0.16	0.3834	0.0028
LE3.6	EVENNESS	Summer2	AP	0.47	0.00	0.00	0.00	0.3806	0.0364
LE3.6	EVENNESS	Winter	AP	0.36	0.01	41.67	0.15	0.3040	0.0285
LE3.6	EVENNESS	Annual	BP	0.57	0.01	28.07	0.16	0.8514	0.0007
LE3.6	EVENNESS	Fall	BP	0.57	0.00	0.00	0.00	0.6640	0.6008
LE3.6	EVENNESS	SAV1	BP	0.57	0.00	0.00	0.00	0.7385	0.0164
LE3.6	EVENNESS	SAV2	BP	0.55	0.01	29.09	0.16	0.8560	0.0057
LE3.6	EVENNESS	Spring1	BP	0.60	0.01	25.00	0.15	0.9619	0.0148
LE3.6	EVENNESS	Spring2	BP	0.53	0.01	28.30	0.15	0.9149	0.0110
LE3.6	EVENNESS	Summer1	BP	0.55	0.01	29.09	0.16	0.4911	0.0480
LE3.6	EVENNESS	Summer2	BP	0.57	0.00	0.00	0.00	0.4688	0.2035
LE3.6	EVENNESS	Winter	BP	0.41	0.01	36.59	0.15	0.5040	0.0339
CB6.1	TOTABUND	Annual	AP	4790491	30367	10.14	485879	0.9793	0.4002
CB6.1	TOTABUND	Fall	AP	3310628	1603	0.77	25649	0.5446	0.9221
CB6.1	TOTABUND	SAV1	AP	3668313	12585	5.49	201368	0.9101	0.7355
CB6.1	TOTABUND	SAV2	AP	4620180	56832	19.68	909318	0.9969	0.2886
CB6.1	TOTABUND	Spring1	AP	6357023	36597	8.64	548959	0.9863	0.8096
CB6.1	TOTABUND	Spring2	AP	5638490	56832	15.12	852486	0.9414	0.6110
CB6.1	TOTABUND	Summer1	AP	4620180	81609	28.26	1305737	0.9676	0.2561
CB6.1	TOTABUND	Summer2	AP	3894645	76827	31.56	1229231	0.8790	0.3179
CB6.1	TOTABUND	Winter	AP	8483858	-29081	-5.14	-436219	0.2430	0.9723
CB6.1	TOTABUND	Annual	BP	2900128	2976	1.64	47617	0.6348	0.9593
CB6.1	TOTABUND	Fall	BP	999051	86514	138.55	1384230	0.9832	0.2404
CB6.1	TOTABUND	SAV1	BP	2311518	32355	22.40	517675	0.6409	0.5574
CB6.1	TOTABUND	SAV2	BP	3434560	7741	3.61	123853	0.7220	0.8832
CB6.1	TOTABUND	Spring1	BP	8879220	-111610	-18.85	-1674144	0.3860	0.6110
CB6.1	TOTABUND	Spring2	BP	5260348	-43196	-12.32	-647935	0.3860	0.6110
CB6.1	TOTABUND	Summer1	BP	3434560	22824	10.63	365178	0.7661	0.7684
CB6.1	TOTABUND	Summer2	BP	2982979	27668	14.84	442682	0.5719	0.7392
CB6.1	TOTABUND	Winter	BP	15744219	-255145	-24.31	-3827168	0.1711	0.1750
CB6.1	TOTBMASS	Annual	AP	353120779	4465652	20.23	71450425	0.0051	0.3327

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB6.1	TOTBMASS	Fall	AP	147203986	4012811	43.62	64204980	0.0001	0.5572
CB6.1	TOTBMASS	SAV1	AP	222913657	2088801	14.99	33420809	0.1088	0.7897
CB6.1	TOTBMASS	SAV2	AP	363302662	3750766	16.52	60012261	0.1965	0.5677
CB6.1	TOTBMASS	Spring1	AP	363302662	11493326	47.45	172399884	0.9433	0.5033
CB6.1	TOTBMASS	Spring2	AP	363302662	1826596	7.54	27398933	0.6672	0.9360
CB6.1	TOTBMASS	Summer1	AP	398293243	6772481	27.21	108359694	0.1885	0.2389
CB6.1	TOTBMASS	Summer2	AP	282085256	9697507	55.00	155160105	0.2366	0.0960
CB6.1	TOTBMASS	Winter	AP	454138573	-12272867	-40.54	-184093005	0.4843	0.3132
CB6.1	TOTBMASS	Annual	BP	166602062	604229	5.80	9667662	0.8233	0.8584
CB6.1	TOTBMASS	Fall	BP	35485523	4759119	214.58	76145896	0.9339	0.3044
CB6.1	TOTBMASS	SAV1	BP	137362457	3159424	36.80	50550787	0.8070	0.5337
CB6.1	TOTBMASS	SAV2	BP	178523263	1734654	15.55	27754470	0.8569	0.6128
CB6.1	TOTBMASS	Spring1	BP	963477058	-9695590	-15.09	-145433850	0.7907	0.6490
CB6.1	TOTBMASS	Spring2	BP	310196727	-4369305	-21.13	-65539576	0.8474	0.5380
CB6.1	TOTBMASS	Summer1	BP	178523263	2529004	22.67	40464059	0.7295	0.4242
CB6.1	TOTBMASS	Summer2	BP	204783624	3315579	25.91	53049260	0.6477	0.3179
CB6.1	TOTBMASS	Winter	BP	745890698	-21874285	-43.99	-328114275	0.8262	0.0884
CB6.1	RATIO	Annual	AP	75.15	-0.09	-1.92	-1.44	0.1730	0.9188
CB6.1	RATIO	Fall	AP	34.47	1.10	51.06	17.60	0.0226	0.4057
CB6.1	RATIO	SAV1	AP	73.90	-0.04	-0.87	-0.64	0.8176	0.9575
CB6.1	RATIO	SAV2	AP	76.40	-0.34	-7.12	-5.44	0.7257	0.5901
CB6.1	RATIO	Spring1	AP	82.20	0.00	0.00	0.00	0.8192	0.9786
CB6.1	RATIO	Spring2	AP	76.40	-0.98	-19.24	-14.70	0.6297	0.4375
CB6.1	RATIO	Summer1	AP	76.40	-0.29	-6.07	-4.64	0.3601	0.7365
CB6.1	RATIO	Summer2	AP	83.74	0.30	5.73	4.80	0.3414	0.8491
CB6.1	RATIO	Winter	AP	64.29	-0.94	-21.93	-14.10	0.1160	0.3847
CB6.1	RATIO	Annual	BP	57.65	0.41	11.38	6.56	0.7729	0.4002
CB6.1	RATIO	Fall	BP	33.89	1.09	51.46	17.44	0.7618	0.3044
CB6.1	RATIO	SAV1	BP	59.14	0.46	12.45	7.36	0.9027	0.5337
CB6.1	RATIO	SAV2	BP	59.23	0.46	12.43	7.36	0.9594	0.4827
CB6.1	RATIO	Spring1	BP	59.14	-0.23	-5.83	-3.45	0.7763	0.8935
CB6.1	RATIO	Spring2	BP	59.14	-0.23	-5.83	-3.45	0.8467	0.8096
CB6.1	RATIO	Summer1	BP	59.23	0.50	13.51	8.00	0.9789	0.4490
CB6.1	RATIO	Summer2	BP	62.31	0.53	13.61	8.48	0.9155	0.4756
CB6.1	RATIO	Winter	BP	65.74	-0.35	-7.99	-5.25	0.0233	0.8077
CB6.1	MARGALEF	Annual	AP	2.45	0.01	6.53	0.16	0.6861	0.1767
CB6.1	MARGALEF	Fall	AP	2.33	0.01	6.87	0.16	0.1978	0.7321
CB6.1	MARGALEF	SAV1	AP	2.46	0.02	13.01	0.32	0.4281	0.3108
CB6.1	MARGALEF	SAV2	AP	2.59	0.02	12.36	0.32	0.5332	0.2334
CB6.1	MARGALEF	Spring1	AP	2.48	0.02	12.10	0.30	0.6197	0.4375
CB6.1	MARGALEF	Spring2	AP	2.60	0.00	0.00	0.00	0.3044	0.7684
CB6.1	MARGALEF	Summer1	AP	2.59	0.01	6.18	0.16	0.3132	0.5281
CB6.1	MARGALEF	Summer2	AP	2.57	0.03	18.68	0.48	0.6916	0.1829
CB6.1	MARGALEF	Winter	AP	2.27	0.02	13.22	0.30	0.8818	0.2512
CB6.1	MARGALEF	Annual	BP	2.19	0.01	7.31	0.16	0.2587	0.3327
CB6.1	MARGALEF	Fall	BP	1.81	0.03	26.52	0.48	0.1396	0.2214
CB6.1	MARGALEF	SAV1	BP	2.03	0.02	15.76	0.32	0.3920	0.0846
CB6.1	MARGALEF	SAV2	BP	2.30	0.01	6.96	0.16	0.7060	0.5458
CB6.1	MARGALEF	Spring1	BP	2.53	0.01	5.93	0.15	0.7935	0.4375
CB6.1	MARGALEF	Spring2	BP	2.59	0.01	5.79	0.15	0.8314	0.4697
CB6.1	MARGALEF	Summer1	BP	2.30	0.01	6.96	0.16	0.4756	0.3128
CB6.1	MARGALEF	Summer2	BP	2.22	0.01	7.21	0.16	0.3169	0.5055
CB6.1	MARGALEF	Winter	BP	2.19	-0.03	-20.55	-0.45	0.3978	0.0762
CB6.1	DIATOM	Annual	AP	2111586	64179	48.63	1026867	0.7115	0.0204
CB6.1	DIATOM	Fall	AP	1671584	43265	41.41	692243	0.3278	0.3044
CB6.1	DIATOM	SAV1	AP	2218883	42953	30.97	687245	0.5703	0.2781

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB6.1	DIATOM	SAV2	AP	2004289	82900	66.18	1326399	0.8200	0.0150
CB6.1	DIATOM	Spring1	AP	2789167	18499	9.95	277484	0.9286	0.8513
CB6.1	DIATOM	Spring2	AP	2004289	71137	53.24	1067057	0.7475	0.3219
CB6.1	DIATOM	Summer1	AP	1790728	100783	90.05	1612528	0.8330	0.0063
CB6.1	DIATOM	Summer2	AP	1760502	100783	91.59	1612528	0.6640	0.0134
CB6.1	DIATOM	Winter	AP	6855028	10171	2.23	152569	0.3112	0.9169
CB6.1	DIATOM	Annual	BP	1438003	9839	10.95	157425	0.5713	0.6281
CB6.1	DIATOM	Fall	BP	654851	77756	189.98	1244093	0.9299	0.2035
CB6.1	DIATOM	SAV1	BP	1080057	34822	51.59	557152	0.7365	0.4033
CB6.1	DIATOM	SAV2	BP	1680115	17653	16.81	282440	0.8462	0.4238
CB6.1	DIATOM	Spring1	BP	6645458	-87518	-19.75	-1312767	0.8265	0.5739
CB6.1	DIATOM	Spring2	BP	3196883	-21215	-9.95	-318221	0.8175	0.6880
CB6.1	DIATOM	Summer1	BP	1195891	24545	32.84	392716	0.7184	0.3548
CB6.1	DIATOM	Summer2	BP	1838380	30715	26.73	491437	0.6204	0.2740
CB6.1	DIATOM	Winter	BP	13392717	-213172	-23.88	-3197575	0.0864	0.1982
CB6.1	DIATOM_C	Annual	AP	130822703	4254387	52.03	68070185	0.1807	0.0366
CB6.1	DIATOM_C	Fall	AP	92293070	4462248	77.36	71395976	0.0091	0.1423
CB6.1	DIATOM_C	SAV1	AP	123998041	2239789	28.90	35836627	0.6094	0.3281
CB6.1	DIATOM_C	SAV2	AP	137647364	3956886	45.99	63310171	0.7363	0.0752
CB6.1	DIATOM_C	Spring1	AP	263426303	8832971	50.30	132494558	0.9897	0.5380
CB6.1	DIATOM_C	Spring2	AP	206148641	4326479	31.48	64897181	0.9804	0.6110
CB6.1	DIATOM_C	Summer1	AP	74010581	4913078	106.21	78609248	0.5803	0.0355
CB6.1	DIATOM_C	Summer2	AP	70559434	5855442	132.78	93687069	0.6093	0.0224
CB6.1	DIATOM_C	Winter	AP	402565171	-6028248	-22.46	-90423723	0.5931	0.5088
CB6.1	DIATOM_C	Annual	BP	107389741	1943927	28.96	31102830	0.5102	0.3588
CB6.1	DIATOM_C	Fall	BP	23350638	7721487	529.08	123543790	0.8435	0.0703
CB6.1	DIATOM_C	SAV1	BP	107031085	3349793	50.08	53596681	0.5846	0.2626
CB6.1	DIATOM_C	SAV2	BP	107748398	3164391	46.99	50630248	0.7296	0.1555
CB6.1	DIATOM_C	Spring1	BP	831165651	-8933633	-16.12	-134004488	0.8554	0.6110
CB6.1	DIATOM_C	Spring2	BP	234177030	-1536161	-9.84	-23042412	0.6678	0.9360
CB6.1	DIATOM_C	Summer1	BP	107031085	3188276	47.66	51012411	0.7937	0.1410
CB6.1	DIATOM_C	Summer2	BP	120429291	3163074	42.02	50609181	0.6120	0.1678
CB6.1	DIATOM_C	Winter	BP	674142062	-22124157	-49.23	-331862355	0.9484	0.0653
CB6.1	DINOFLG	Annual	AP	180131	1799	15.98	28776	0.2852	0.3588
CB6.1	DINOFLG	Fall	AP	176788	-963	-8.71	-15403	0.3985	0.7321
CB6.1	DINOFLG	SAV1	AP	151241	4638	49.07	74211	0.1494	0.0912
CB6.1	DINOFLG	SAV2	AP	163721	1247	12.18	19947	0.0836	0.6359
CB6.1	DINOFLG	Spring1	AP	151241	15504	153.77	232566	0.4251	0.0058
CB6.1	DINOFLG	Spring2	AP	355218	10061	42.49	150915	0.0279	0.1895
CB6.1	DINOFLG	Summer1	AP	170406	-2630	-24.69	-42079	0.5193	0.7365
CB6.1	DINOFLG	Summer2	AP	129780	787	9.70	12590	0.6120	0.8120
CB6.1	DINOFLG	Winter	AP	217478	-193	-1.33	-2901	0.4568	0.9723
CB6.1	DINOFLG	Annual	BP	38768	320	13.19	5114	0.6652	0.6281
CB6.1	DINOFLG	Fall	BP	8049	7	1.42	114	0.7434	1.0000
CB6.1	DINOFLG	SAV1	BP	33235	2011	96.83	32181	0.4706	0.1710
CB6.1	DINOFLG	SAV2	BP	44301	38	1.39	614	0.4292	0.9870
CB6.1	DINOFLG	Spring1	BP	221313	8550	57.95	128254	0.3582	0.1270
CB6.1	DINOFLG	Spring2	BP	236023	85	0.54	1280	0.2119	0.9786
CB6.1	DINOFLG	Summer1	BP	33235	-410	-19.73	-6558	0.3125	0.8008
CB6.1	DINOFLG	Summer2	BP	24071	268	17.79	4281	0.2711	0.8120
CB6.1	DINOFLG	Winter	BP	368186	-2848	-11.60	-42720	0.8967	0.8077
CB6.1	DINOFL_C	Annual	AP	32128541	662567	33.00	10601069	0.0513	0.2025
CB6.1	DINOFL_C	Fall	AP	40422247	-802296	-31.76	-12836736	0.0149	0.6956
CB6.1	DINOFL_C	SAV1	AP	27975898	584119	33.41	9345911	0.0209	0.2941
CB6.1	DINOFL_C	SAV2	AP	47096933	286205	9.72	4579278	0.0787	0.8575
CB6.1	DINOFL_C	Spring1	AP	13120129	2747491	314.12	41212359	0.2774	0.0042

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB6.1	DINOFL_C	Spring2	AP	27975898	918211	49.23	13773158	0.0432	0.2723
CB6.1	DINOFL_C	Summer1	AP	47096933	-588548	-19.99	-9416771	0.6028	0.8334
CB6.1	DINOFL_C	Summer2	AP	44523139	718070	25.80	11489119	0.6521	0.7753
CB6.1	DINOFL_C	Winter	AP	15536434	363812	35.13	5457176	0.5931	0.5088
CB6.1	DINOFL_C	Annual	BP	13773038	621650	72.22	9946400	0.3450	0.0414
CB6.1	DINOFL_C	Fall	BP	2134649	336273	252.05	5380366	0.4537	0.3044
CB6.1	DINOFL_C	SAV1	BP	15019956	1201867	128.03	19229874	0.1616	0.0180
CB6.1	DINOFL_C	SAV2	BP	18880571	227793	19.30	3644693	0.6901	0.7073
CB6.1	DINOFL_C	Spring1	BP	34308521	2771015	121.15	41565222	0.0618	0.0301
CB6.1	DINOFL_C	Spring2	BP	72607523	256931	5.31	3853968	0.4731	0.8513
CB6.1	DINOFL_C	Summer1	BP	15019956	227871	24.27	3645940	0.5039	0.7050
CB6.1	DINOFL_C	Summer2	BP	9724367	317818	52.29	5085083	0.3754	0.5363
CB6.1	DINOFL_C	Winter	BP	20050190	428145	32.03	6422182	0.3807	0.5088
CB6.1	CYANO	Annual	AP	20479	2124	165.92	33979	0.6726	<0.0001
CB6.1	CYANO	Fall	AP	6771	64	15.12	1024	0.8266	0.0206
CB6.1	CYANO	SAV1	AP	27415	2024	118.14	32389	0.9325	0.0041
CB6.1	CYANO	SAV2	AP	60939	11181	293.55	178888	0.5974	<0.0001
CB6.1	CYANO	Spring1	AP	135706	1728	19.10	25920	0.9446	0.1374
CB6.1	CYANO	Spring2	AP	135706	24616	272.09	369236	0.1577	0.0061
CB6.1	CYANO	Summer1	AP	60939	15571	408.84	249142	0.5096	<0.0001
CB6.1	CYANO	Summer2	AP	65711	6937	168.90	110989	0.6566	0.0029
CB6.1	CYANO	Winter	AP	0	0	0.00	0	0.5232	0.6984
CB6.1	CYANO	Annual	BP	7339	900	196.30	14406	0.9823	<0.0001
CB6.1	CYANO	Fall	BP	21752	4081	300.21	65301	0.8785	0.0156
CB6.1	CYANO	SAV1	BP	20105	6173	491.23	98762	0.8073	0.0002
CB6.1	CYANO	SAV2	BP	6383	1997	500.49	31944	0.9233	<0.0001
CB6.1	CYANO	Spring1	BP	165888	2972	26.88	44587	0.8497	0.0308
CB6.1	CYANO	Spring2	BP	8295	1508	272.63	22613	0.9604	0.0083
CB6.1	CYANO	Summer1	BP	1152	337	467.72	5388	0.6143	0.0008
CB6.1	CYANO	Summer2	BP	608	1991	5238.53	31850	0.4062	0.0035
CB6.1	CYANO	Winter	BP	0	48	0.00	720	0.4611	0.1097
CB6.1	CYANO_C	Annual	AP	66266	19925	481.09	318796	0.8623	<0.0001
CB6.1	CYANO_C	Fall	AP	20561	2021	157.28	32338	0.7478	0.0109
CB6.1	CYANO_C	SAV1	AP	102919	16266	252.88	260264	0.8809	0.0036
CB6.1	CYANO_C	SAV2	AP	91409	45567	797.60	729075	0.7427	<0.0001
CB6.1	CYANO_C	Spring1	AP	203558	19718	145.30	295775	0.9990	0.1857
CB6.1	CYANO_C	Spring2	AP	203558	62102	457.62	931529	0.4199	0.0208
CB6.1	CYANO_C	Summer1	AP	91409	61127	1069.95	978027	0.6533	0.0001
CB6.1	CYANO_C	Summer2	AP	170880	41503	388.60	664047	0.5061	0.0018
CB6.1	CYANO_C	Winter	AP	0	980	0.00	14702	0.8098	0.4594
CB6.1	CYANO_C	Annual	BP	35191	11397	518.17	182353	0.9944	<0.0001
CB6.1	CYANO_C	Fall	BP	32627	18741	919.06	299862	0.9261	0.0087
CB6.1	CYANO_C	SAV1	BP	35097	57009	2598.95	912152	0.9263	0.0001
CB6.1	CYANO_C	SAV2	BP	63038	25324	642.75	405180	0.9615	<0.0001
CB6.1	CYANO_C	Spring1	BP	248832	34697	209.16	520448	0.8386	0.0104
CB6.1	CYANO_C	Spring2	BP	194773	20953	161.36	314293	0.9716	0.0047
CB6.1	CYANO_C	Summer1	BP	35286	8751	396.80	140015	0.6950	0.0008
CB6.1	CYANO_C	Summer2	BP	22121	25313	1830.90	405008	0.5017	0.0025
CB6.1	CYANO_C	Winter	BP	0	829	0.00	12442	0.5586	0.0953
CB6.1	CHLORO	Annual	AP	6229	808	207.62	12932	0.8077	<0.0001
CB6.1	CHLORO	Fall	AP	0	0	0.00	0	0.9423	0.0067
CB6.1	CHLORO	SAV1	AP	8294	2329	449.31	37266	0.8830	0.0015
CB6.1	CHLORO	SAV2	AP	8294	3288	634.32	52611	0.6802	0.0001
CB6.1	CHLORO	Spring1	AP	8423	1754	312.30	26304	0.8856	0.1778
CB6.1	CHLORO	Spring2	AP	4163	2329	839.23	34937	0.2500	0.0085
CB6.1	CHLORO	Summer1	AP	8294	2417	466.32	38676	0.4533	0.0004

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB6.1	CHLORO	Summer2	AP	12442	2728	350.81	43646	0.5525	0.0118
CB6.1	CHLORO	Winter	AP	29030	6	0.30	87	0.5139	0.5978
CB6.1	CHLORO	Annual	BP	2074	636	490.86	10178	0.8244	<0.0001
CB6.1	CHLORO	Fall	BP	0	14	0.00	216	0.9083	0.0153
CB6.1	CHLORO	SAV1	BP	0	269	0.00	4310	0.7906	0.0038
CB6.1	CHLORO	SAV2	BP	4147	2960	1141.93	47356	0.9269	0.0002
CB6.1	CHLORO	Spring1	BP	33242	142	6.42	2133	0.4153	0.1220
CB6.1	CHLORO	Spring2	BP	4147	4789	1732.27	71837	0.5089	0.0106
CB6.1	CHLORO	Summer1	BP	4147	4399	1697.07	70378	0.9064	0.0013
CB6.1	CHLORO	Summer2	BP	4147	3393	1309.09	54288	0.8166	0.0096
CB6.1	CHLORO	Winter	BP	58061	0	0.00	0	0.2544	0.6448
CB6.1	CHLORO_C	Annual	AP	140324	27585	314.53	441361	0.8686	<0.0001
CB6.1	CHLORO_C	Fall	AP	0	0	0.00	0	0.9917	0.0181
CB6.1	CHLORO_C	SAV1	AP	186615	55311	474.22	884973	0.9732	0.0014
CB6.1	CHLORO_C	SAV2	AP	186615	93006	797.41	1488094	0.7738	<0.0001
CB6.1	CHLORO_C	Spring1	AP	188088	47441	378.35	711622	0.9242	0.0845
CB6.1	CHLORO_C	Spring2	AP	94033	81853	1305.71	1227798	0.3801	0.0031
CB6.1	CHLORO_C	Summer1	AP	186615	80046	686.30	1280742	0.5014	0.0001
CB6.1	CHLORO_C	Summer2	AP	279934	88510	505.89	1416156	0.5220	0.0043
CB6.1	CHLORO_C	Winter	AP	653175	487	1.12	7309	0.5785	0.5269
CB6.1	CHLORO_C	Annual	BP	46654	40585	1391.88	649362	0.7385	<0.0001
CB6.1	CHLORO_C	Fall	BP	0	6082	0.00	97317	0.7856	0.0092
CB6.1	CHLORO_C	SAV1	BP	0	35695	0.00	571123	0.7679	0.0015
CB6.1	CHLORO_C	SAV2	BP	93308	95307	1634.28	1524908	0.9216	0.0001
CB6.1	CHLORO_C	Spring1	BP	747395	12542	25.17	188128	0.4312	0.0734
CB6.1	CHLORO_C	Spring2	BP	93308	137472	2209.99	2062085	0.5265	0.0037
CB6.1	CHLORO_C	Summer1	BP	93308	153399	2630.43	2454390	0.8813	0.0007
CB6.1	CHLORO_C	Summer2	BP	93308	93963	1611.23	1503400	0.8570	0.0083
CB6.1	CHLORO_C	Winter	BP	1306373	82	0.09	1236	0.1399	0.5004
CB6.1	CRYPTO	Annual	AP	1133883	-13298	-18.76	-212770	0.6257	0.2513
CB6.1	CRYPTO	Fall	AP	1199978	-28673	-38.23	-458776	0.7244	0.1561
CB6.1	CRYPTO	SAV1	AP	675994	-10715	-25.36	-171445	0.5796	0.4660
CB6.1	CRYPTO	SAV2	AP	1139205	-23778	-33.40	-380445	0.7506	0.2208
CB6.1	CRYPTO	Spring1	AP	503235	10050	29.96	150750	0.7238	0.4697
CB6.1	CRYPTO	Spring2	AP	920480	1181	1.92	17713	0.4517	0.9360
CB6.1	CRYPTO	Summer1	AP	1300835	-44814	-55.12	-717030	0.9106	0.1100
CB6.1	CRYPTO	Summer2	AP	1152679	-42041	-58.36	-672662	0.7674	0.1536
CB6.1	CRYPTO	Winter	AP	953856	4438	6.98	66574	0.0818	0.5544
CB6.1	CRYPTO	Annual	BP	513264	-5899	-18.39	-94383	0.7372	0.4597
CB6.1	CRYPTO	Fall	BP	213609	5170	38.72	82716	0.9065	0.7692
CB6.1	CRYPTO	SAV1	BP	478679	-5382	-17.99	-86115	0.4130	0.5815
CB6.1	CRYPTO	SAV2	BP	804557	-15121	-30.07	-241942	0.4924	0.1290
CB6.1	CRYPTO	Spring1	BP	1025487	-3880	-5.68	-58198	0.1621	0.9360
CB6.1	CRYPTO	Spring2	BP	1124017	-10050	-13.41	-150744	0.1649	0.7278
CB6.1	CRYPTO	Summer1	BP	804557	-20634	-41.03	-330137	0.8219	0.0846
CB6.1	CRYPTO	Summer2	BP	641618	-21331	-53.19	-341302	0.7921	0.0707
CB6.1	CRYPTO	Winter	BP	1426638	8493	8.93	127399	0.6840	0.6019
CB6.1	CRYPTO_C	Annual	AP	25735449	-273923	-17.03	-4382772	0.6392	0.2959
CB6.1	CRYPTO_C	Fall	AP	28811460	-597220	-33.17	-9555525	0.6120	0.2035
CB6.1	CRYPTO_C	SAV1	AP	16230616	-245940	-24.24	-3935040	0.5949	0.4445
CB6.1	CRYPTO_C	SAV2	AP	27352312	-557500	-32.61	-8920003	0.7609	0.2464
CB6.1	CRYPTO_C	Spring1	AP	12082672	203709	25.29	3055633	0.7169	0.5033
CB6.1	CRYPTO_C	Spring2	AP	22100713	40327	2.74	604898	0.5158	0.8513
CB6.1	CRYPTO_C	Summer1	AP	31233048	-1009414	-51.71	-16150624	0.8988	0.1300
CB6.1	CRYPTO_C	Summer2	AP	27675817	-1009414	-58.36	-16150624	0.7674	0.1536
CB6.1	CRYPTO_C	Winter	AP	22902071	106563	6.98	1598451	0.0818	0.5544

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB6.1	CRYPTO_C	Annual	BP	12323469	-127217	-16.52	-2035477	0.7093	0.4597
CB6.1	CRYPTO_C	Fall	BP	4525883	127940	45.23	2047042	0.8821	0.7321
CB6.1	CRYPTO_C	SAV1	BP	11493083	-129226	-17.99	-2067619	0.3905	0.5574
CB6.1	CRYPTO_C	SAV2	BP	19317414	-362970	-30.06	-5807517	0.4495	0.1374
CB6.1	CRYPTO_C	Spring1	BP	24621943	-93380	-5.69	-1400707	0.1453	0.8935
CB6.1	CRYPTO_C	Spring2	BP	26987636	-150537	-8.37	-2258059	0.1432	0.7684
CB6.1	CRYPTO_C	Summer1	BP	19317414	-495413	-41.03	-7926601	0.8219	0.0846
CB6.1	CRYPTO_C	Summer2	BP	15405248	-512167	-53.19	-8194667	0.7921	0.0707
CB6.1	CRYPTO_C	Winter	BP	34253578	203924	8.93	3058857	0.6840	0.6019
CB6.1	PROCARY	Annual	AP	0.00	0.00	0.00	0.00	0.6231	<0.0001
CB6.1	PROCARY	Fall	AP	0.00	0.00	0.00	0.00	0.7645	0.0118
CB6.1	PROCARY	SAV1	AP	0.01	0.00	0.00	0.00	0.8937	0.0034
CB6.1	PROCARY	SAV2	AP	0.02	0.00	0.00	0.00	0.5647	<0.0001
CB6.1	PROCARY	Spring1	AP	0.05	0.00	0.00	0.00	0.9310	0.1684
CB6.1	PROCARY	Spring2	AP	0.05	0.00	0.00	0.00	0.1440	0.0072
CB6.1	PROCARY	Summer1	AP	0.02	0.00	0.00	0.00	0.4980	0.0001
CB6.1	PROCARY	Summer2	AP	0.02	0.00	0.00	0.00	0.6552	0.0034
CB6.1	PROCARY	Winter	AP	0.00	0.00	0.00	0.00	0.4978	0.7248
CB6.1	PROCARY	Annual	BP	0.00	0.00	0.00	0.00	0.9789	<0.0001
CB6.1	PROCARY	Fall	BP	0.03	0.00	0.00	0.00	0.7758	0.0268
CB6.1	PROCARY	SAV1	BP	0.02	0.00	0.00	0.00	0.8323	0.0004
CB6.1	PROCARY	SAV2	BP	0.00	0.00	0.00	0.00	0.9075	0.0001
CB6.1	PROCARY	Spring1	BP	0.02	0.00	0.00	0.00	0.7217	0.0189
CB6.1	PROCARY	Spring2	BP	0.00	0.00	0.00	0.00	0.9668	0.0039
CB6.1	PROCARY	Summer1	BP	0.00	0.00	0.00	0.00	0.6127	0.0034
CB6.1	PROCARY	Summer2	BP	0.00	0.00	0.00	0.00	0.4126	0.0143
CB6.1	PROCARY	Winter	BP	0.00	0.00	0.00	0.00	0.4659	0.0953
CB6.1	PROCAR_C	Annual	AP	0.00	0.00	0.00	0.00	0.8593	<0.0001
CB6.1	PROCAR_C	Fall	AP	0.00	0.00	0.00	0.00	0.7520	0.0157
CB6.1	PROCAR_C	SAV1	AP	0.00	0.00	0.00	0.00	0.9293	0.0141
CB6.1	PROCAR_C	SAV2	AP	0.00	0.00	0.00	0.00	0.6202	0.0001
CB6.1	PROCAR_C	Spring1	AP	0.00	0.00	0.00	0.00	0.9887	0.2242
CB6.1	PROCAR_C	Spring2	AP	0.00	0.00	0.00	0.00	0.3383	0.0239
CB6.1	PROCAR_C	Summer1	AP	0.00	0.00	0.00	0.00	0.4517	0.0006
CB6.1	PROCAR_C	Summer2	AP	0.00	0.00	0.00	0.00	0.3940	0.0111
CB6.1	PROCAR_C	Winter	AP	0.00	0.00	0.00	0.00	0.7304	0.4386
CB6.1	PROCAR_C	Annual	BP	0.00	0.00	0.00	0.00	0.9927	<0.0001
CB6.1	PROCAR_C	Fall	BP	0.00	0.00	0.00	0.00	0.9060	0.0268
CB6.1	PROCAR_C	SAV1	BP	0.00	0.00	0.00	0.00	0.8661	0.0001
CB6.1	PROCAR_C	SAV2	BP	0.00	0.00	0.00	0.00	0.9202	0.0001
CB6.1	PROCAR_C	Spring1	BP	0.00	0.00	0.00	0.00	0.6063	0.0055
CB6.1	PROCAR_C	Spring2	BP	0.00	0.00	0.00	0.00	0.8409	0.0019
CB6.1	PROCAR_C	Summer1	BP	0.00	0.00	0.00	0.00	0.7715	0.0040
CB6.1	PROCAR_C	Summer2	BP	0.00	0.00	0.00	0.00	0.5732	0.0109
CB6.1	PROCAR_C	Winter	BP	0.00	0.00	0.00	0.00	0.6132	0.0820
CB6.1	COCCO	Annual	AP	0	0	0.00	0	0.3481	0.8652
CB6.1	COCCO	Fall	AP	0	0	0.00	0	0.7569	0.7089
CB6.1	COCCO	SAV1	AP	0	0	0.00	0	0.4446	0.9546
CB6.1	COCCO	SAV2	AP	0	0	0.00	0	0.8800	0.5999
CB6.1	COCCO	Spring1	AP	0	0	0.00	0	0.1734	0.4003
CB6.1	COCCO	Spring2	AP	0	0	0.00	0	0.4962	0.6780
CB6.1	COCCO	Summer1	AP	0	0	0.00	0	0.6108	0.7953
CB6.1	COCCO	Summer2	AP	0	0	0.00	0	0.8255	0.4106
CB6.1	COCCO	Winter	AP	4147	0	0.00	0	0.0265	0.6759
CB6.1	COCCO	Annual	BP	0	0	0.00	0	0.1707	0.5660
CB6.1	COCCO	Fall	BP	0	0	0.00	0	0.0773	0.3529

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB6.1	COCCO	SAV1	BP	0	0	0.00	0	0.1380	0.6651
CB6.1	COCCO	SAV2	BP	0	0	0.00	0	0.5116	0.1292
CB6.1	COCCO	Spring1	BP	0	0	0.00	0	0.2405	0.6373
CB6.1	COCCO	Spring2	BP	0	0	0.00	0	0.7381	0.6607
CB6.1	COCCO	Summer1	BP	0	0	0.00	0	0.4636	0.1388
CB6.1	COCCO	Summer2	BP	0	0	0.00	0	0.4289	0.0762
CB6.1	COCCO	Winter	BP	0	0	0.00	0	0.1072	0.6242
CB6.1	COCCO_C	Annual	AP	0	0	0.00	0	0.3210	0.8652
CB6.1	COCCO_C	Fall	AP	0	0	0.00	0	0.7569	0.7089
CB6.1	COCCO_C	SAV1	AP	0	0	0.00	0	0.4105	0.9773
CB6.1	COCCO_C	SAV2	AP	0	0	0.00	0	0.8731	0.5835
CB6.1	COCCO_C	Spring1	AP	0	0	0.00	0	0.1560	0.3752
CB6.1	COCCO_C	Spring2	AP	0	0	0.00	0	0.4962	0.6780
CB6.1	COCCO_C	Summer1	AP	0	0	0.00	0	0.5951	0.7733
CB6.1	COCCO_C	Summer2	AP	0	0	0.00	0	0.8113	0.3924
CB6.1	COCCO_C	Winter	AP	128806	0	0.00	0	0.0265	0.6759
CB6.1	COCCO_C	Annual	BP	0	0	0.00	0	0.2008	0.6084
CB6.1	COCCO_C	Fall	BP	0	0	0.00	0	0.0762	0.3729
CB6.1	COCCO_C	SAV1	BP	0	0	0.00	0	0.1380	0.6651
CB6.1	COCCO_C	SAV2	BP	0	0	0.00	0	0.5698	0.1578
CB6.1	COCCO_C	Spring1	BP	0	0	0.00	0	0.2405	0.6373
CB6.1	COCCO_C	Spring2	BP	0	0	0.00	0	0.7381	0.6607
CB6.1	COCCO_C	Summer1	BP	0	0	0.00	0	0.5286	0.1732
CB6.1	COCCO_C	Summer2	BP	0	0	0.00	0	0.4819	0.1017
CB6.1	COCCO_C	Winter	BP	0	0	0.00	0	0.1072	0.6242
CB6.1	EUGLENO	Annual	BP	0	0	0.00	0	0.7641	0.0016
CB6.1	EUGLENO	Fall	BP	0	0	0.00	0	0.4089	0.3397
CB6.1	EUGLENO	SAV1	BP	0	0	0.00	0	0.5080	0.0131
CB6.1	EUGLENO	SAV2	BP	0	0	0.00	0	0.9789	0.0007
CB6.1	EUGLENO	Spring1	BP	8295	0	0.00	0	0.1756	0.0484
CB6.1	EUGLENO	Spring2	BP	8295	0	0.00	0	0.8600	0.0075
CB6.1	EUGLENO	Summer1	BP	0	0	0.00	0	0.9847	0.0573
CB6.1	EUGLENO	Summer2	BP	0	0	0.00	0	0.9620	0.1295
CB6.1	EUGLENO	Winter	BP	16589	0	0.00	0	0.2172	0.1200
CB6.1	EUGLEN_C	Annual	BP	0	0	0.00	0	0.7542	0.0015
CB6.1	EUGLEN_C	Fall	BP	0	0	0.00	0	0.4154	0.3552
CB6.1	EUGLEN_C	SAV1	BP	0	0	0.00	0	0.3944	0.0079
CB6.1	EUGLEN_C	SAV2	BP	0	0	0.00	0	0.9480	0.0004
CB6.1	EUGLEN_C	Spring1	BP	384118	0	0.00	0	0.1240	0.0220
CB6.1	EUGLEN_C	Spring2	BP	384118	0	0.00	0	0.8138	0.0030
CB6.1	EUGLEN_C	Summer1	BP	0	0	0.00	0	0.9786	0.0612
CB6.1	EUGLEN_C	Summer2	BP	0	0	0.00	0	0.9474	0.1380
CB6.1	EUGLEN_C	Winter	BP	768237	0	0.00	0	0.3272	0.2108
CB6.1	PICO	Fall	AP	48250000	776886	19.32	9322636	0.6682	0.5591
CB6.1	PICO	SAV1	AP	98100000	-630480	-7.71	-7565760	0.8062	0.3489
CB6.1	PICO	SAV2	AP	741500000	-2072400	-3.35	-24868800	0.8516	0.2219
CB6.1	PICO	Spring1	AP	27500000	-542833	-23.69	-6514000	0.8616	0.2326
CB6.1	PICO	Spring2	AP	27500000	-1276384	-55.70	-15316608	0.8062	0.1744
CB6.1	PICO	Summer1	AP	897000000	-37534200	-50.21	-450410400	0.9632	0.1382
CB6.1	PICO	Summer2	AP	814000000	-35002929	-51.60	-420035148	0.9404	0.2733
CB6.1	PICO	Winter	AP	20000000	-267000	-16.02	-3204000	0.2748	0.5494
CB6.1	PICO	Annual	BP	54500000	-855000	-18.83	-10260000	0.7938	0.0356
CB6.1	PICO	Fall	BP	42750000	111690	3.14	1340286	0.9833	1.0000
CB6.1	PICO	SAV1	BP	31000000	-792889	-30.69	-9514667	0.9481	0.2726
CB6.1	PICO	SAV2	BP	238750000	-4062500	-20.42	-48750000	0.5809	0.0549
CB6.1	PICO	Spring1	BP	10300000	-805556	-93.85	-9666667	0.7227	0.2665

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB6.1	PICO	Spring2	BP	25175000	-2855475	-136.11	-34265700	0.6031	0.1744
CB6.1	PICO	Summer1	BP	269250000	-12181375	-54.29	-146176500	0.3526	0.0391
CB6.1	PICO	Summer2	BP	253500000	-10826902	-51.25	-129922824	0.2136	0.1081
CB6.1	PICO	Winter	BP	17850000	-449955	-30.25	-5399465	0.2463	0.3549
CB6.1	PICO_C	Annual	AP	147150000	-1110188	-9.05	-13322250	0.9326	0.1731
CB6.1	PICO_C	Fall	AP	72375000	1165330	19.32	13983955	0.6682	0.5591
CB6.1	PICO_C	SAV1	AP	147150000	-945720	-7.71	-11348640	0.8062	0.3489
CB6.1	PICO_C	SAV2	AP	1112250000	-3108600	-3.35	-37303200	0.8516	0.2219
CB6.1	PICO_C	Spring1	AP	41250000	-814250	-23.69	-9771000	0.8616	0.2326
CB6.1	PICO_C	Spring2	AP	41250000	-1914576	-55.70	-22974912	0.8062	0.1744
CB6.1	PICO_C	Summer1	AP	1345500000	-56301300	-50.21	-675615600	0.9632	0.1382
CB6.1	PICO_C	Summer2	AP	1221000000	-52504393	-51.60	-630052716	0.9404	0.2733
CB6.1	PICO_C	Winter	AP	30000000	-400500	-16.02	-4806000	0.2748	0.5494
CB6.1	PICO_C	Annual	BP	81750000	-1282500	-18.83	-15390000	0.7938	0.0356
CB6.1	PICO_C	Fall	BP	64125000	167536	3.14	2010429	0.9833	1.0000
CB6.1	PICO_C	SAV1	BP	46500000	-1189333	-30.69	-14272000	0.9481	0.2726
CB6.1	PICO_C	SAV2	BP	358125000	-6093750	-20.42	-73125000	0.5809	0.0549
CB6.1	PICO_C	Spring1	BP	15450000	-1208333	-93.85	-14500000	0.7227	0.2665
CB6.1	PICO_C	Spring2	BP	37762500	-4283213	-136.11	-51398550	0.6031	0.1744
CB6.1	PICO_C	Summer1	BP	403875000	-18272063	-54.29	-219264756	0.3526	0.0391
CB6.1	PICO_C	Summer2	BP	380250000	-16240353	-51.25	-194884236	0.2136	0.1081
CB6.1	PICO_C	Winter	BP	26775000	-674933	-30.25	-8099198	0.2463	0.3549
CB6.1	N_SP	Annual	AP	38.50	0.20	8.31	3.20	0.4797	0.1098
CB6.1	N_SP	Fall	AP	35.50	0.19	8.56	3.04	0.0793	0.4032
CB6.1	N_SP	SAV1	AP	39.00	0.27	11.08	4.32	0.2173	0.1483
CB6.1	N_SP	SAV2	AP	41.00	0.27	10.54	4.32	0.3159	0.1083
CB6.1	N_SP	Spring1	AP	40.00	0.23	8.63	3.45	0.6016	0.4202
CB6.1	N_SP	Spring2	AP	41.50	0.00	0.00	0.00	0.2459	0.8931
CB6.1	N_SP	Summer1	AP	41.00	0.21	8.20	3.36	0.2313	0.4736
CB6.1	N_SP	Summer2	AP	40.75	0.40	15.71	6.40	0.5233	0.1528
CB6.1	N_SP	Winter	AP	37.00	0.17	6.89	2.55	0.8974	0.3453
CB6.1	N_SP	Annual	BP	35.50	0.11	4.96	1.76	0.2123	0.3497
CB6.1	N_SP	Fall	BP	25.50	0.45	28.24	7.20	0.2261	0.2484
CB6.1	N_SP	SAV1	BP	30.50	0.33	17.31	5.28	0.5536	0.0493
CB6.1	N_SP	SAV2	BP	37.00	0.10	4.32	1.60	0.6878	0.4024
CB6.1	N_SP	Spring1	BP	41.00	0.20	7.32	3.00	0.7829	0.2581
CB6.1	N_SP	Spring2	BP	41.00	0.21	7.68	3.15	0.7835	0.2585
CB6.1	N_SP	Summer1	BP	37.00	0.20	8.65	3.20	0.4396	0.3525
CB6.1	N_SP	Summer2	BP	34.50	0.08	3.71	1.28	0.3092	0.5987
CB6.1	N_SP	Winter	BP	37.00	-0.57	-23.11	-8.55	0.4436	0.0358
CB6.1	N_GENERA	Annual	AP	30.25	0.24	12.69	3.84	0.6582	0.0116
CB6.1	N_GENERA	Fall	AP	29.00	0.10	5.52	1.60	0.2084	0.4301
CB6.1	N_GENERA	SAV1	AP	30.00	0.27	14.40	4.32	0.3420	0.0458
CB6.1	N_GENERA	SAV2	AP	30.50	0.25	13.11	4.00	0.5315	0.0345
CB6.1	N_GENERA	Spring1	AP	31.50	0.29	13.81	4.35	0.4157	0.0675
CB6.1	N_GENERA	Spring2	AP	32.00	0.07	3.28	1.05	0.2062	0.6092
CB6.1	N_GENERA	Summer1	AP	30.50	0.25	13.11	4.00	0.3801	0.2128
CB6.1	N_GENERA	Summer2	AP	30.25	0.36	19.04	5.76	0.7407	0.0696
CB6.1	N_GENERA	Winter	AP	29.00	0.25	12.93	3.75	0.8790	0.1838
CB6.1	N_GENERA	Annual	BP	27.00	0.17	10.07	2.72	0.2176	0.0907
CB6.1	N_GENERA	Fall	BP	22.25	0.32	23.01	5.12	0.2939	0.2102
CB6.1	N_GENERA	SAV1	BP	25.00	0.33	21.12	5.28	0.4443	0.0158
CB6.1	N_GENERA	SAV2	BP	29.00	0.17	9.38	2.72	0.7012	0.0974
CB6.1	N_GENERA	Spring1	BP	33.00	0.20	9.09	3.00	0.5909	0.2053
CB6.1	N_GENERA	Spring2	BP	33.00	0.17	7.73	2.55	0.6489	0.2583
CB6.1	N_GENERA	Summer1	BP	29.00	0.25	13.79	4.00	0.5989	0.0627

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB6.1	N_GENERA	Summer2	BP	27.50	0.25	14.55	4.00	0.3928	0.1144
CB6.1	N_GENERA	Winter	BP	28.00	-0.44	-23.57	-6.60	0.4089	0.0592
CB6.1	SHANNON	Annual	AP	2.76	0.05	28.99	0.80	0.8206	<0.0001
CB6.1	SHANNON	Fall	AP	2.39	0.04	26.78	0.64	0.7826	0.0165
CB6.1	SHANNON	SAV1	AP	2.82	0.05	28.37	0.80	0.6773	<0.0001
CB6.1	SHANNON	SAV2	AP	2.69	0.06	35.69	0.96	0.8358	0.0001
CB6.1	SHANNON	Spring1	AP	2.96	0.07	35.47	1.05	0.4897	0.0001
CB6.1	SHANNON	Spring2	AP	2.87	0.07	36.59	1.05	0.5953	0.0010
CB6.1	SHANNON	Summer1	AP	2.69	0.05	29.74	0.80	0.8701	0.0207
CB6.1	SHANNON	Summer2	AP	2.54	0.04	25.20	0.64	0.8030	0.0784
CB6.1	SHANNON	Winter	AP	2.43	0.02	12.35	0.30	0.7444	0.4238
CB6.1	SHANNON	Annual	BP	2.80	0.04	22.86	0.64	0.4721	<0.0001
CB6.1	SHANNON	Fall	BP	2.52	0.04	25.40	0.64	0.9806	0.0449
CB6.1	SHANNON	SAV1	BP	2.83	0.06	33.92	0.96	0.5318	<0.0001
CB6.1	SHANNON	SAV2	BP	2.88	0.05	27.78	0.80	0.7169	<0.0001
CB6.1	SHANNON	Spring1	BP	3.09	0.06	29.13	0.90	0.2600	0.0017
CB6.1	SHANNON	Spring2	BP	3.09	0.06	29.13	0.90	0.3873	0.0058
CB6.1	SHANNON	Summer1	BP	2.76	0.04	23.19	0.64	0.6404	0.0003
CB6.1	SHANNON	Summer2	BP	2.57	0.04	24.90	0.64	0.4389	0.0023
CB6.1	SHANNON	Winter	BP	2.22	0.01	6.76	0.15	0.0762	0.6512
CB6.1	EVENNESS	Annual	AP	0.52	0.01	30.77	0.16	0.9120	<0.0001
CB6.1	EVENNESS	Fall	AP	0.50	0.01	32.00	0.16	0.9515	0.0449
CB6.1	EVENNESS	SAV1	AP	0.54	0.01	29.63	0.16	0.7910	<0.0001
CB6.1	EVENNESS	SAV2	AP	0.51	0.01	31.37	0.16	0.9904	<0.0001
CB6.1	EVENNESS	Spring1	AP	0.59	0.01	25.42	0.15	0.6695	0.0001
CB6.1	EVENNESS	Spring2	AP	0.59	0.01	25.42	0.15	0.9479	0.0010
CB6.1	EVENNESS	Summer1	AP	0.51	0.01	31.37	0.16	0.9135	0.0028
CB6.1	EVENNESS	Summer2	AP	0.50	0.01	32.00	0.16	0.8951	0.0198
CB6.1	EVENNESS	Winter	AP	0.47	0.00	0.00	0.00	0.5017	0.4652
CB6.1	EVENNESS	Annual	BP	0.54	0.01	29.63	0.16	0.3984	<0.0001
CB6.1	EVENNESS	Fall	BP	0.51	0.01	31.37	0.16	0.7111	0.1561
CB6.1	EVENNESS	SAV1	BP	0.57	0.01	28.07	0.16	0.4288	0.0001
CB6.1	EVENNESS	SAV2	BP	0.53	0.01	30.19	0.16	0.5818	<0.0001
CB6.1	EVENNESS	Spring1	BP	0.58	0.01	25.86	0.15	0.2359	0.0012
CB6.1	EVENNESS	Spring2	BP	0.58	0.01	25.86	0.15	0.3382	0.0042
CB6.1	EVENNESS	Summer1	BP	0.53	0.01	30.19	0.16	0.4433	0.0012
CB6.1	EVENNESS	Summer2	BP	0.49	0.01	32.65	0.16	0.2842	0.0089
CB6.1	EVENNESS	Winter	BP	0.43	0.01	34.88	0.15	0.0754	0.2236
CB6.4	TOTABUND	Annual	AP	3133871	62113	31.71	993806	0.9486	0.1157
CB6.4	TOTABUND	Fall	AP	2533642	49240	31.10	787846	0.5819	0.3786
CB6.4	TOTABUND	SAV1	AP	2982607	110360	59.20	1765758	0.9933	0.0270
CB6.4	TOTABUND	SAV2	AP	2982607	69990	37.55	1119838	0.9029	0.1856
CB6.4	TOTABUND	Spring1	AP	3607570	118932	49.45	1783984	0.7969	0.1188
CB6.4	TOTABUND	Spring2	AP	2703828	103640	57.50	1554600	0.8689	0.2527
CB6.4	TOTABUND	Summer1	AP	2982607	48004	25.75	768068	0.6628	0.5281
CB6.4	TOTABUND	Summer2	AP	3133871	36390	18.58	582246	0.4676	0.6686
CB6.4	TOTABUND	Winter	AP	8885297	-2351	-0.40	-35264	0.5689	0.9734
CB6.4	TOTABUND	Annual	BP	2418072	100660	66.61	1610565	0.4634	0.0074
CB6.4	TOTABUND	Fall	BP	1609078	137634	136.86	2202145	0.9916	0.0004
CB6.4	TOTABUND	SAV1	BP	2105625	118101	89.74	1889618	0.4257	0.0115
CB6.4	TOTABUND	SAV2	BP	2513786	119008	75.75	1904127	0.6890	0.0388
CB6.4	TOTABUND	Spring1	BP	7457180	15871	3.19	238069	0.9048	0.8353
CB6.4	TOTABUND	Spring2	BP	3419334	15871	6.96	238069	0.9048	0.8353
CB6.4	TOTABUND	Summer1	BP	2513786	111575	71.02	1785195	0.8338	0.0925
CB6.4	TOTABUND	Summer2	BP	2418072	115132	76.18	1842107	0.7155	0.0960
CB6.4	TOTABUND	Winter	BP	11164865	-96907	-13.02	-1453605	0.7385	0.4843

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB6.4	TOTBMASS	Annual	AP	212739739	5906741	44.42	94507850	0.9487	0.1217
CB6.4	TOTBMASS	Fall	AP	164330879	1993783	19.41	31900535	0.2936	0.7692
CB6.4	TOTBMASS	SAV1	AP	213579962	6648093	49.80	106369490	0.6852	0.2614
CB6.4	TOTBMASS	SAV2	AP	213579962	6830234	51.17	109283744	0.7358	0.2199
CB6.4	TOTBMASS	Spring1	AP	234790715	18262723	116.67	273940840	0.9048	0.1455
CB6.4	TOTBMASS	Spring2	AP	207888366	11225963	81.00	168389451	0.7388	0.2318
CB6.4	TOTBMASS	Summer1	AP	157634188	6830234	69.33	109283744	0.9160	0.2226
CB6.4	TOTBMASS	Summer2	AP	189221169	7376191	62.37	118019049	0.9197	0.1829
CB6.4	TOTBMASS	Winter	AP	694139870	-2778134	-6.00	-41672006	0.6675	0.9204
CB6.4	TOTBMASS	Annual	BP	181327561	7841002	69.19	125456031	0.7660	0.0068
CB6.4	TOTBMASS	Fall	BP	76780916	9651603	201.13	154425655	0.8057	0.0071
CB6.4	TOTBMASS	SAV1	BP	97022741	9622022	158.68	153952350	0.9292	0.0170
CB6.4	TOTBMASS	SAV2	BP	187854586	8933935	76.09	142942965	0.8600	0.0331
CB6.4	TOTBMASS	Spring1	BP	565397529	18773150	49.81	281597256	0.8209	0.3233
CB6.4	TOTBMASS	Spring2	BP	196527560	5517675	42.11	82765119	0.9655	0.4667
CB6.4	TOTBMASS	Summer1	BP	174800536	7287587	66.71	116601394	0.6546	0.0846
CB6.4	TOTBMASS	Summer2	BP	168406410	8933935	84.88	142942965	0.4602	0.1058
CB6.4	TOTBMASS	Winter	BP	1787004064	-7382993	-6.20	-110744900	0.4978	0.6174
CB6.4	RATIO	Annual	AP	57.61	0.28	7.78	4.48	0.4540	0.7152
CB6.4	RATIO	Fall	AP	42.45	-0.04	-1.51	-0.64	0.1767	0.9610
CB6.4	RATIO	SAV1	AP	65.49	-0.30	-7.33	-4.80	0.6989	0.7521
CB6.4	RATIO	SAV2	AP	59.37	0.92	24.79	14.72	0.6944	0.3491
CB6.4	RATIO	Spring1	AP	82.14	0.26	4.75	3.90	0.4847	0.9172
CB6.4	RATIO	Spring2	AP	59.37	1.04	26.28	15.60	0.8480	0.5674
CB6.4	RATIO	Summer1	AP	55.84	1.24	35.53	19.84	0.7667	0.1923
CB6.4	RATIO	Summer2	AP	61.83	1.78	46.06	28.48	0.8030	0.1280
CB6.4	RATIO	Winter	AP	145.94	-1.10	-11.31	-16.50	0.1475	0.2438
CB6.4	RATIO	Annual	BP	55.80	0.72	20.65	11.52	0.6891	0.1157
CB6.4	RATIO	Fall	BP	39.49	0.56	22.69	8.96	0.3825	0.4339
CB6.4	RATIO	SAV1	BP	58.77	0.65	17.70	10.40	0.8783	0.4611
CB6.4	RATIO	SAV2	BP	59.84	0.36	9.63	5.76	0.9893	0.4978
CB6.4	RATIO	Spring1	BP	78.52	1.55	29.61	23.25	0.5654	0.4055
CB6.4	RATIO	Spring2	BP	78.52	0.47	8.98	7.05	0.9448	0.7551
CB6.4	RATIO	Summer1	BP	59.84	0.66	17.65	10.56	0.9956	0.2931
CB6.4	RATIO	Summer2	BP	66.03	0.69	16.72	11.04	0.9710	0.3415
CB6.4	RATIO	Winter	BP	297.32	0.34	1.72	5.10	0.0241	0.7141
CB6.4	MARGALEF	Annual	AP	2.23	0.00	0.00	0.00	0.1606	0.9498
CB6.4	MARGALEF	Fall	AP	2.23	-0.01	-7.17	-0.16	0.3286	0.4057
CB6.4	MARGALEF	SAV1	AP	2.23	0.00	0.00	0.00	0.6221	0.8607
CB6.4	MARGALEF	SAV2	AP	2.30	0.00	0.00	0.00	0.0759	0.6984
CB6.4	MARGALEF	Spring1	AP	2.17	0.01	6.91	0.15	0.9048	0.6775
CB6.4	MARGALEF	Spring2	AP	2.30	0.00	0.00	0.00	0.7289	0.8761
CB6.4	MARGALEF	Summer1	AP	2.30	0.02	13.91	0.32	0.0540	0.3334
CB6.4	MARGALEF	Summer2	AP	2.27	0.03	21.15	0.48	0.0428	0.1678
CB6.4	MARGALEF	Winter	AP	2.24	-0.02	-13.39	-0.30	0.1198	0.2718
CB6.4	MARGALEF	Annual	BP	2.46	0.01	6.50	0.16	0.5834	0.5884
CB6.4	MARGALEF	Fall	BP	2.49	-0.02	-12.85	-0.32	0.1841	0.2819
CB6.4	MARGALEF	SAV1	BP	2.27	0.00	0.00	0.00	0.9747	0.8884
CB6.4	MARGALEF	SAV2	BP	2.46	0.01	6.50	0.16	0.8872	0.7225
CB6.4	MARGALEF	Spring1	BP	2.75	0.00	0.00	0.00	0.8434	0.7551
CB6.4	MARGALEF	Spring2	BP	2.75	0.00	0.00	0.00	0.9048	0.6775
CB6.4	MARGALEF	Summer1	BP	2.22	0.02	14.41	0.32	0.8431	0.2931
CB6.4	MARGALEF	Summer2	BP	2.15	0.03	22.33	0.48	0.7469	0.2536
CB6.4	MARGALEF	Winter	BP	2.36	0.04	25.42	0.60	0.9817	0.1027
CB6.4	DIATOM	Annual	AP	1354715	74021	87.42	1184335	0.5892	0.0068
CB6.4	DIATOM	Fall	AP	677588	128141	302.58	2050263	0.7667	0.0017

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB6.4	DIATOM	SAV1	AP	1221120	108931	142.73	1742899	0.6123	0.0016
CB6.4	DIATOM	SAV2	AP	1466781	50792	55.40	812667	0.7058	0.1554
CB6.4	DIATOM	Spring1	AP	2051916	56334	41.18	845014	0.6721	0.2749
CB6.4	DIATOM	Spring2	AP	1732015	21871	18.94	328071	0.9000	0.8761
CB6.4	DIATOM	Summer1	AP	1466781	34430	37.56	550878	0.4792	0.4242
CB6.4	DIATOM	Summer2	AP	1354715	48027	56.72	768437	0.3858	0.2954
CB6.4	DIATOM	Winter	AP	7817755	26810	5.14	402156	0.3381	0.8157
CB6.4	DIATOM	Annual	BP	1461465	77055	84.36	1232876	0.5692	0.0010
CB6.4	DIATOM	Fall	BP	547001	132218	386.74	2115489	0.9767	0.0001
CB6.4	DIATOM	SAV1	BP	1123013	88609	126.24	1417743	0.5227	0.0023
CB6.4	DIATOM	SAV2	BP	1592247	65226	65.54	1043622	0.7801	0.0238
CB6.4	DIATOM	Spring1	BP	5377832	31397	8.76	470960	0.8165	0.4355
CB6.4	DIATOM	Spring2	BP	2064321	14262	10.36	213934	0.9448	0.6399
CB6.4	DIATOM	Summer1	BP	1330684	54493	65.52	871888	0.8303	0.0925
CB6.4	DIATOM	Summer2	BP	1329964	71312	85.79	1140989	0.7469	0.0868
CB6.4	DIATOM	Winter	BP	10000596	-18542	-2.78	-278133	0.9822	0.8157
CB6.4	DIATOM_C	Annual	AP	108872943	4050096	59.52	64801536	0.9015	0.0681
CB6.4	DIATOM_C	Fall	AP	49376385	5182846	167.95	82925535	0.4279	0.0314
CB6.4	DIATOM_C	SAV1	AP	138358833	5416401	62.64	86662418	0.7999	0.0352
CB6.4	DIATOM_C	SAV2	AP	138358833	3346232	38.70	53539711	0.9703	0.3491
CB6.4	DIATOM_C	Spring1	AP	206073781	11356233	82.66	170343488	0.9892	0.3768
CB6.4	DIATOM_C	Spring2	AP	150661115	7888382	78.54	118325726	0.9271	0.4991
CB6.4	DIATOM_C	Summer1	AP	73929104	2385934	51.64	38174948	0.7502	0.5560
CB6.4	DIATOM_C	Summer2	AP	76032749	2136716	44.96	34187455	0.5604	0.5363
CB6.4	DIATOM_C	Winter	AP	530167898	-2558174	-7.24	-38372616	0.9264	0.8678
CB6.4	DIATOM_C	Annual	BP	105473911	6306384	95.67	100902151	0.6720	0.0020
CB6.4	DIATOM_C	Fall	BP	34668966	8090484	373.38	129447746	0.8576	0.0015
CB6.4	DIATOM_C	SAV1	BP	49718266	8513880	273.99	136222079	0.5610	0.0045
CB6.4	DIATOM_C	SAV2	BP	118288629	8026782	108.57	128428506	0.7545	0.0061
CB6.4	DIATOM_C	Spring1	BP	453174315	12747488	42.19	191212313	0.9000	0.5327
CB6.4	DIATOM_C	Spring2	BP	174056795	4371583	37.67	65573752	0.9000	0.5327
CB6.4	DIATOM_C	Summer1	BP	92659193	5966796	103.03	95468744	0.9195	0.0231
CB6.4	DIATOM_C	Summer2	BP	83898357	6742963	128.59	107887401	0.8711	0.0287
CB6.4	DIATOM_C	Winter	BP	1742691003	-7063799	-6.08	-105956988	0.4583	0.5713
CB6.4	DINOFLG	Annual	AP	111338	4073	58.53	65168	0.1792	0.0277
CB6.4	DINOFLG	Fall	AP	96854	381	6.30	6103	0.9666	0.9221
CB6.4	DINOFLG	SAV1	AP	99237	6791	109.50	108664	0.5569	0.0140
CB6.4	DINOFLG	SAV2	AP	112549	7396	105.15	118340	0.2288	0.0041
CB6.4	DINOFLG	Spring1	AP	108448	13079	180.90	196187	0.8143	0.0042
CB6.4	DINOFLG	Spring2	AP	112549	15203	202.62	228047	0.8143	0.0042
CB6.4	DINOFLG	Summer1	AP	145573	7146	78.54	114340	0.1456	0.0435
CB6.4	DINOFLG	Summer2	AP	146020	6548	71.74	104762	0.0688	0.0960
CB6.4	DINOFLG	Winter	AP	339035	-6318	-27.95	-94773	0.5180	0.2438
CB6.4	DINOFLG	Annual	BP	64615	1486	36.80	23781	0.9211	0.0824
CB6.4	DINOFLG	Fall	BP	19957	1270	101.81	20319	0.3199	0.2710
CB6.4	DINOFLG	SAV1	BP	22237	1794	129.11	28711	0.6563	0.2065
CB6.4	DINOFLG	SAV2	BP	67348	1529	36.32	24458	0.8947	0.1966
CB6.4	DINOFLG	Spring1	BP	140646	5138	54.80	77068	0.4781	0.3494
CB6.4	DINOFLG	Spring2	BP	172708	2232	19.38	33475	0.7570	0.6775
CB6.4	DINOFLG	Summer1	BP	67348	1146	27.22	18332	0.8121	0.3548
CB6.4	DINOFLG	Summer2	BP	64615	948	23.48	15169	0.6204	0.4187
CB6.4	DINOFLG	Winter	BP	187213	2914	23.35	43710	0.5562	0.6651
CB6.4	DINOFL_C	Annual	AP	33353311	2315995	111.10	37055924	0.4946	0.0009
CB6.4	DINOFL_C	Fall	AP	31861194	836700	42.02	13387204	0.2864	0.3786
CB6.4	DINOFL_C	SAV1	AP	20346504	2522229	198.34	40355671	0.2592	0.0069
CB6.4	DINOFL_C	SAV2	AP	36895137	3575288	155.05	57204608	0.6133	0.0089

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB6.4	DINOFL_C	Spring1	AP	12617634	4989086	593.11	74836292	0.7408	0.0006
CB6.4	DINOFL_C	Spring2	AP	15733980	4528150	431.69	67922255	0.8903	0.0109
CB6.4	DINOFL_C	Summer1	AP	50832232	4191656	131.94	67066492	0.9200	0.0258
CB6.4	DINOFL_C	Summer2	AP	53311866	5750679	172.59	92010865	0.7814	0.0512
CB6.4	DINOFL_C	Winter	AP	143550819	-253234	-2.65	-3798512	0.5348	0.7644
CB6.4	DINOFL_C	Annual	BP	12338398	754477	97.84	12071633	0.8659	0.0152
CB6.4	DINOFL_C	Fall	BP	3861603	533424	221.02	8534791	0.6084	0.1561
CB6.4	DINOFL_C	SAV1	BP	6251801	552957	141.52	8847317	0.9799	0.1711
CB6.4	DINOFL_C	SAV2	BP	12019049	362244	48.22	5795905	0.9587	0.3328
CB6.4	DINOFL_C	Spring1	BP	17996644	640076	53.35	9601145	0.9499	0.4991
CB6.4	DINOFL_C	Spring2	BP	17996644	905135	75.44	13577029	0.9000	0.4355
CB6.4	DINOFL_C	Summer1	BP	15113628	457170	48.40	7314719	0.6971	0.3771
CB6.4	DINOFL_C	Summer2	BP	12268634	272604	35.55	4361669	0.5319	0.5681
CB6.4	DINOFL_C	Winter	BP	17966763	2175332	181.61	32629985	0.2536	0.0257
CB6.4	CYANO	Annual	AP	0	1829	0.00	29257	0.8216	<0.0001
CB6.4	CYANO	Fall	AP	0	32	0.00	512	0.6221	0.0008
CB6.4	CYANO	SAV1	AP	0	1059	0.00	16950	0.5929	0.0023
CB6.4	CYANO	SAV2	AP	26387	2682	162.63	42914	0.7087	0.0020
CB6.4	CYANO	Spring1	AP	65220	1525	35.08	22880	0.3047	0.1759
CB6.4	CYANO	Spring2	AP	174479	645	5.55	9675	0.3175	0.1843
CB6.4	CYANO	Summer1	AP	26387	6586	399.32	105368	0.8685	0.0027
CB6.4	CYANO	Summer2	AP	13194	6586	798.64	105368	0.7113	0.0119
CB6.4	CYANO	Winter	AP	0	2375	0.00	35629	0.9701	0.0049
CB6.4	CYANO	Annual	BP	0	691	0.00	11059	0.9460	<0.0001
CB6.4	CYANO	Fall	BP	0	7	0.00	114	0.2490	0.0015
CB6.4	CYANO	SAV1	BP	0	960	0.00	15360	0.6855	<0.0001
CB6.4	CYANO	SAV2	BP	0	3542	0.00	56670	0.9821	<0.0001
CB6.4	CYANO	Spring1	BP	0	2844	0.00	42658	0.7299	0.0016
CB6.4	CYANO	Spring2	BP	80	2518	47214.38	37772	0.9797	0.0002
CB6.4	CYANO	Summer1	BP	16	4107	410707.00	65713	0.8827	0.0002
CB6.4	CYANO	Summer2	BP	8	6022	1204408.00	96353	0.7706	0.0022
CB6.4	CYANO	Winter	BP	0	1621	0.00	24313	0.6917	0.0009
CB6.4	CYANO_C	Annual	AP	0	8346	0.00	133528	0.8823	<0.0001
CB6.4	CYANO_C	Fall	AP	0	259	0.00	4151	0.7819	0.0016
CB6.4	CYANO_C	SAV1	AP	0	3498	0.00	55973	0.5314	0.0015
CB6.4	CYANO_C	SAV2	AP	39581	12882	520.75	206114	0.6815	0.0014
CB6.4	CYANO_C	Spring1	AP	97830	6206	95.16	93096	0.2254	0.1303
CB6.4	CYANO_C	Spring2	AP	308740	1831	8.90	27470	0.3428	0.2324
CB6.4	CYANO_C	Summer1	AP	39581	21877	884.35	350030	0.9070	0.0025
CB6.4	CYANO_C	Summer2	AP	19790	27560	2228.18	440963	0.7911	0.0058
CB6.4	CYANO_C	Winter	AP	0	19826	0.00	297389	0.8526	0.0084
CB6.4	CYANO_C	Annual	BP	0	7679	0.00	122866	0.9431	<0.0001
CB6.4	CYANO_C	Fall	BP	0	0	0.00	0	0.3102	0.0038
CB6.4	CYANO_C	SAV1	BP	0	8282	0.00	132516	0.6562	<0.0001
CB6.4	CYANO_C	SAV2	BP	0	24516	0.00	392260	0.9913	<0.0001
CB6.4	CYANO_C	Spring1	BP	0	15305	0.00	229579	0.7217	0.0014
CB6.4	CYANO_C	Spring2	BP	2450	19050	11661.50	285753	0.9977	0.0002
CB6.4	CYANO_C	Summer1	BP	2239	24573	17561.14	393173	0.8869	0.0001
CB6.4	CYANO_C	Summer2	BP	1119	29036	41500.08	464568	0.7385	0.0011
CB6.4	CYANO_C	Winter	BP	0	12370	0.00	185550	0.6264	0.0004
CB6.4	CHLORO	Annual	AP	3661	1957	855.10	31305	0.9054	<0.0001
CB6.4	CHLORO	Fall	AP	2330	0	0.00	0	0.1205	0.0526
CB6.4	CHLORO	SAV1	AP	4147	2846	1098.02	45535	0.7222	0.0047
CB6.4	CHLORO	SAV2	AP	4147	4046	1560.91	64731	0.9747	0.0003
CB6.4	CHLORO	Spring1	AP	0	5697	0.00	85448	0.7510	0.0043
CB6.4	CHLORO	Spring2	AP	4147	7444	2692.45	111656	0.7643	0.0048

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB6.4	CHLORO	Summer1	AP	4147	4463	1721.74	71400	0.9602	0.0040
CB6.4	CHLORO	Summer2	AP	3661	3032	1325.09	48512	0.9597	0.0229
CB6.4	CHLORO	Winter	AP	8295	0	0.00	0	0.9293	0.0674
CB6.4	CHLORO	Annual	BP	6480	2523	622.86	40361	0.9891	<0.0001
CB6.4	CHLORO	Fall	BP	5184	1464	451.71	23416	0.7636	0.0007
CB6.4	CHLORO	SAV1	BP	0	2454	0.00	39263	0.8282	0.0002
CB6.4	CHLORO	SAV2	BP	16589	3731	359.87	59699	0.9659	<0.0001
CB6.4	CHLORO	Spring1	BP	0	2710	0.00	40655	0.8758	0.0794
CB6.4	CHLORO	Spring2	BP	0	2710	0.00	40655	0.9721	0.0335
CB6.4	CHLORO	Summer1	BP	16589	4578	441.55	73249	0.8420	0.0007
CB6.4	CHLORO	Summer2	BP	17820	5817	522.33	93080	0.7338	0.0017
CB6.4	CHLORO	Winter	BP	16589	70	6.31	1047	0.9494	0.0325
CB6.4	CHLORO_C	Annual	AP	82373	62593	1215.79	1001480	0.9105	<0.0001
CB6.4	CHLORO_C	Fall	AP	50763	59	1.85	937	0.1559	0.0363
CB6.4	CHLORO_C	SAV1	AP	93308	85043	1458.29	1360690	0.5998	0.0006
CB6.4	CHLORO_C	SAV2	AP	93308	132866	2278.33	2125851	0.9841	<0.0001
CB6.4	CHLORO_C	Spring1	AP	0	178088	0.00	2671317	0.8479	0.0004
CB6.4	CHLORO_C	Spring2	AP	93308	183236	2945.67	2748535	0.8329	0.0021
CB6.4	CHLORO_C	Summer1	AP	93308	129540	2221.31	2072646	0.9635	0.0026
CB6.4	CHLORO_C	Summer2	AP	82373	121265	2355.45	1940241	0.8689	0.0089
CB6.4	CHLORO_C	Winter	AP	186626	0	0.00	0	0.9588	0.0527
CB6.4	CHLORO_C	Annual	BP	145800	73301	804.40	1172813	0.9947	<0.0001
CB6.4	CHLORO_C	Fall	BP	116640	28608	392.42	457722	0.6474	0.0019
CB6.4	CHLORO_C	SAV1	BP	0	64779	0.00	1036457	0.8706	0.0001
CB6.4	CHLORO_C	SAV2	BP	373253	124986	535.77	1999781	0.9964	<0.0001
CB6.4	CHLORO_C	Spring1	BP	0	88550	0.00	1328245	0.7470	0.0198
CB6.4	CHLORO_C	Spring2	BP	0	103224	0.00	1548362	0.9917	0.0050
CB6.4	CHLORO_C	Summer1	BP	373253	164555	705.39	2632875	0.9278	0.0001
CB6.4	CHLORO_C	Summer2	BP	400950	185282	739.37	2964505	0.8895	0.0003
CB6.4	CHLORO_C	Winter	BP	373253	6509	26.16	97632	0.8737	0.0190
CB6.4	CRYPTO	Annual	AP	1022716	-7625	-11.93	-122005	0.0231	0.6059
CB6.4	CRYPTO	Fall	AP	1259589	-31434	-39.93	-502949	0.6312	0.0449
CB6.4	CRYPTO	SAV1	AP	862095	-3662	-6.80	-58587	0.2006	0.7521
CB6.4	CRYPTO	SAV2	AP	1183336	-15080	-20.39	-241280	0.2109	0.3015
CB6.4	CRYPTO	Spring1	AP	652799	20230	46.48	303452	0.1877	0.2527
CB6.4	CRYPTO	Spring2	AP	652799	8531	19.60	127960	0.2160	0.6399
CB6.4	CRYPTO	Summer1	AP	1349820	-37620	-44.59	-601925	0.2983	0.1300
CB6.4	CRYPTO	Summer2	AP	1388928	-41167	-47.42	-658674	0.2293	0.0868
CB6.4	CRYPTO	Winter	AP	472781	34816	110.46	522240	0.2811	0.0216
CB6.4	CRYPTO	Annual	BP	325734	13402	65.83	214435	0.2086	0.0454
CB6.4	CRYPTO	Fall	BP	250329	25748	164.57	411967	0.3693	0.0314
CB6.4	CRYPTO	SAV1	BP	223007	20058	143.91	320932	0.2056	0.0455
CB6.4	CRYPTO	SAV2	BP	324426	6290	31.02	100644	0.0708	0.4196
CB6.4	CRYPTO	Spring1	BP	327043	15059	69.07	225889	0.1402	0.5674
CB6.4	CRYPTO	Spring2	BP	955317	-25860	-40.60	-387897	0.5270	0.2121
CB6.4	CRYPTO	Summer1	BP	324426	2781	13.71	44490	0.1239	0.8008
CB6.4	CRYPTO	Summer2	BP	259258	10481	64.68	167695	0.2262	0.3179
CB6.4	CRYPTO	Winter	BP	770597	13926	27.11	208885	0.6579	0.2179
CB6.4	CRYPTO_C	Annual	AP	24555399	-191293	-12.46	-3060687	0.0231	0.6059
CB6.4	CRYPTO_C	Fall	AP	30242732	-754738	-39.93	-12075816	0.6312	0.0449
CB6.4	CRYPTO_C	SAV1	AP	20698901	-115487	-8.93	-1847798	0.2006	0.7521
CB6.4	CRYPTO_C	SAV2	AP	28411897	-362070	-20.39	-5793121	0.2109	0.3015
CB6.4	CRYPTO_C	Spring1	AP	15673704	469884	44.97	7048261	0.1877	0.2527
CB6.4	CRYPTO_C	Spring2	AP	15673704	174792	16.73	2621882	0.2160	0.6399
CB6.4	CRYPTO_C	Summer1	AP	32409178	-903263	-44.59	-14452212	0.2983	0.1300
CB6.4	CRYPTO_C	Summer2	AP	33348149	-988423	-47.42	-15814773	0.2293	0.0868

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB6.4	CRYPTO_C	Winter	AP	11351472	835932	110.46	12538982	0.2811	0.0216
CB6.4	CRYPTO_C	Annual	BP	7820873	321787	65.83	5148589	0.2261	0.0379
CB6.4	CRYPTO_C	Fall	BP	6010405	618209	164.57	9891336	0.3693	0.0314
CB6.4	CRYPTO_C	SAV1	BP	5354386	481599	143.91	7705581	0.2196	0.0384
CB6.4	CRYPTO_C	SAV2	BP	7789456	155054	31.85	2480866	0.0756	0.3660
CB6.4	CRYPTO_C	Spring1	BP	7852290	361573	69.07	5423593	0.1425	0.4991
CB6.4	CRYPTO_C	Spring2	BP	22937149	-619268	-40.50	-9289025	0.4433	0.2527
CB6.4	CRYPTO_C	Summer1	BP	7789456	68207	14.01	1091306	0.1321	0.7684
CB6.4	CRYPTO_C	Summer2	BP	6224791	251648	64.68	4026361	0.2533	0.2954
CB6.4	CRYPTO_C	Winter	BP	18502022	334355	27.11	5015318	0.6579	0.2179
CB6.4	PROCARY	Annual	AP	0.00	0.00	0.00	0.00	0.7292	<0.0001
CB6.4	PROCARY	Fall	AP	0.00	0.00	0.00	0.00	0.6445	0.0005
CB6.4	PROCARY	SAV1	AP	0.00	0.00	0.00	0.00	0.4433	0.0044
CB6.4	PROCARY	SAV2	AP	0.02	0.00	0.00	0.00	0.5949	0.0038
CB6.4	PROCARY	Spring1	AP	0.04	0.00	0.00	0.00	0.2557	0.3261
CB6.4	PROCARY	Spring2	AP	0.04	0.00	0.00	0.00	0.3519	0.4106
CB6.4	PROCARY	Summer1	AP	0.02	0.00	0.00	0.00	0.8950	0.0025
CB6.4	PROCARY	Summer2	AP	0.01	0.00	0.00	0.00	0.7388	0.0090
CB6.4	PROCARY	Winter	AP	0.00	0.00	0.00	0.00	0.8310	0.0113
CB6.4	PROCARY	Annual	BP	0.00	0.00	0.00	0.00	0.8400	<0.0001
CB6.4	PROCARY	Fall	BP	0.00	0.00	0.00	0.00	0.1539	0.0010
CB6.4	PROCARY	SAV1	BP	0.00	0.00	0.00	0.00	0.5405	<0.0001
CB6.4	PROCARY	SAV2	BP	0.00	0.00	0.00	0.00	0.9456	<0.0001
CB6.4	PROCARY	Spring1	BP	0.00	0.00	0.00	0.00	0.6722	0.0028
CB6.4	PROCARY	Spring2	BP	0.00	0.00	0.00	0.00	0.9874	0.0002
CB6.4	PROCARY	Summer1	BP	0.00	0.00	0.00	0.00	0.8593	0.0005
CB6.4	PROCARY	Summer2	BP	0.00	0.00	0.00	0.00	0.7727	0.0048
CB6.4	PROCARY	Winter	BP	0.00	0.00	0.00	0.00	0.6490	0.0004
CB6.4	PROCAR_C	Annual	AP	0.00	0.00	0.00	0.00	0.7815	<0.0001
CB6.4	PROCAR_C	Fall	AP	0.00	0.00	0.00	0.00	0.8179	0.0006
CB6.4	PROCAR_C	SAV1	AP	0.00	0.00	0.00	0.00	0.5046	0.0028
CB6.4	PROCAR_C	SAV2	AP	0.00	0.00	0.00	0.00	0.7047	0.0063
CB6.4	PROCAR_C	Spring1	AP	0.00	0.00	0.00	0.00	0.2587	0.2324
CB6.4	PROCAR_C	Spring2	AP	0.00	0.00	0.00	0.00	0.4577	0.3811
CB6.4	PROCAR_C	Summer1	AP	0.00	0.00	0.00	0.00	0.8662	0.0084
CB6.4	PROCAR_C	Summer2	AP	0.00	0.00	0.00	0.00	0.6948	0.0234
CB6.4	PROCAR_C	Winter	AP	0.00	0.00	0.00	0.00	0.8724	0.0041
CB6.4	PROCAR_C	Annual	BP	0.00	0.00	0.00	0.00	0.8764	<0.0001
CB6.4	PROCAR_C	Fall	BP	0.00	0.00	0.00	0.00	0.2099	0.0041
CB6.4	PROCAR_C	SAV1	BP	0.00	0.00	0.00	0.00	0.5903	<0.0001
CB6.4	PROCAR_C	SAV2	BP	0.00	0.00	0.00	0.00	0.9770	<0.0001
CB6.4	PROCAR_C	Spring1	BP	0.00	0.00	0.00	0.00	0.8371	0.0064
CB6.4	PROCAR_C	Spring2	BP	0.00	0.00	0.00	0.00	0.9662	0.0010
CB6.4	PROCAR_C	Summer1	BP	0.00	0.00	0.00	0.00	0.8953	0.0003
CB6.4	PROCAR_C	Summer2	BP	0.00	0.00	0.00	0.00	0.7751	0.0026
CB6.4	PROCAR_C	Winter	BP	0.00	0.00	0.00	0.00	0.6906	0.0002
CB6.4	COCCO	Annual	AP	0	0	0.00	0	0.8257	0.5235
CB6.4	COCCO	Fall	AP	0	0	0.00	0	0.9984	0.3071
CB6.4	COCCO	SAV1	AP	0	0	0.00	0	0.4290	0.3985
CB6.4	COCCO	SAV2	AP	0	0	0.00	0	0.4566	0.4116
CB6.4	COCCO	Spring1	AP	0	0	0.00	0	0.2159	0.3591
CB6.4	COCCO	Spring2	AP	0	0	0.00	0	0.2064	0.5641
CB6.4	COCCO	Summer1	AP	0	0	0.00	0	0.5605	0.4990
CB6.4	COCCO	Summer2	AP	0	0	0.00	0	0.3848	0.3979
CB6.4	COCCO	Winter	AP	0	0	0.00	0	0.9307	0.8123
CB6.4	COCCO	Annual	BP	0	0	0.00	0	0.7258	0.0836

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB6.4	COCCO	Fall	BP	0	0	0.00	0	0.8738	0.5681
CB6.4	COCCO	SAV1	BP	0	0	0.00	0	0.4579	0.1902
CB6.4	COCCO	SAV2	BP	0	0	0.00	0	0.9294	0.0505
CB6.4	COCCO	Spring1	BP	0	0	0.00	0	0.1966	0.3208
CB6.4	COCCO	Spring2	BP	0	0	0.00	0	0.9856	0.0249
CB6.4	COCCO	Summer1	BP	0	0	0.00	0	0.6763	0.1499
CB6.4	COCCO	Summer2	BP	0	0	0.00	0	0.5284	0.3963
CB6.4	COCCO	Winter	BP	0	0	0.00	0	1.0000	1.0000
CB6.4	COCCO_C	Annual	AP	0	0	0.00	0	0.8419	0.5536
CB6.4	COCCO_C	Fall	AP	0	0	0.00	0	0.9984	0.3071
CB6.4	COCCO_C	SAV1	AP	0	0	0.00	0	0.4290	0.3985
CB6.4	COCCO_C	SAV2	AP	0	0	0.00	0	0.4798	0.4425
CB6.4	COCCO_C	Spring1	AP	0	0	0.00	0	0.2159	0.3591
CB6.4	COCCO_C	Spring2	AP	0	0	0.00	0	0.2064	0.5641
CB6.4	COCCO_C	Summer1	AP	0	0	0.00	0	0.5955	0.5408
CB6.4	COCCO_C	Summer2	AP	0	0	0.00	0	0.4119	0.4402
CB6.4	COCCO_C	Winter	AP	0	0	0.00	0	0.9307	0.8123
CB6.4	COCCO_C	Annual	BP	0	0	0.00	0	0.7258	0.0836
CB6.4	COCCO_C	Fall	BP	0	0	0.00	0	0.8738	0.5681
CB6.4	COCCO_C	SAV1	BP	0	0	0.00	0	0.4579	0.1902
CB6.4	COCCO_C	SAV2	BP	0	0	0.00	0	0.9294	0.0505
CB6.4	COCCO_C	Spring1	BP	0	0	0.00	0	0.1966	0.3208
CB6.4	COCCO_C	Spring2	BP	0	0	0.00	0	0.9856	0.0249
CB6.4	COCCO_C	Summer1	BP	0	0	0.00	0	0.6763	0.1499
CB6.4	COCCO_C	Summer2	BP	0	0	0.00	0	0.5284	0.3963
CB6.4	COCCO_C	Winter	BP	0	0	0.00	0	1.0000	1.0000
CB6.4	EUGLENO	Annual	BP	0	0	0.00	0	0.6019	0.0055
CB6.4	EUGLENO	Fall	BP	32	0	0.00	0	0.9651	0.0712
CB6.4	EUGLENO	SAV1	BP	0	0	0.00	0	0.9402	0.1592
CB6.4	EUGLENO	SAV2	BP	32	0	0.00	0	0.2665	0.0188
CB6.4	EUGLENO	Spring1	BP	32	0	0.00	0	0.7202	0.4426
CB6.4	EUGLENO	Spring2	BP	96	0	0.00	0	0.0985	0.0822
CB6.4	EUGLENO	Summer1	BP	0	0	0.00	0	0.1102	0.0105
CB6.4	EUGLENO	Summer2	BP	0	0	0.00	0	0.2482	0.1756
CB6.4	EUGLENO	Winter	BP	0	0	0.00	0	0.9010	0.9664
CB6.4	EUGLEN_C	Annual	BP	0	0	0.00	0	0.6616	0.0046
CB6.4	EUGLEN_C	Fall	BP	31008	0	0.00	0	0.9702	0.0611
CB6.4	EUGLEN_C	SAV1	BP	0	0	0.00	0	0.9263	0.1194
CB6.4	EUGLEN_C	SAV2	BP	4446	0	0.00	0	0.3223	0.0171
CB6.4	EUGLEN_C	Spring1	BP	25721	0	0.00	0	0.6379	0.3787
CB6.4	EUGLEN_C	Spring2	BP	25721	0	0.00	0	0.1070	0.0690
CB6.4	EUGLEN_C	Summer1	BP	0	0	0.00	0	0.1465	0.0132
CB6.4	EUGLEN_C	Summer2	BP	0	0	0.00	0	0.3286	0.1955
CB6.4	EUGLEN_C	Winter	BP	0	0	0.00	0	0.8720	0.9329
CB6.4	PICO	Annual	AP	67950000	-536967	-9.48	-6443600	0.8936	0.1510
CB6.4	PICO	Fall	AP	42700000	-469045	-13.18	-5628545	0.2830	0.8266
CB6.4	PICO	SAV1	AP	67950000	-306191	-5.41	-3674292	0.4208	0.4612
CB6.4	PICO	SAV2	AP	414500000	-440750	-1.28	-5289000	0.6918	0.5888
CB6.4	PICO	Spring1	AP	15835000	-420775	-31.89	-5049300	0.4683	0.2052
CB6.4	PICO	Spring2	AP	67950000	-483906	-8.55	-5806869	0.5444	0.3033
CB6.4	PICO	Summer1	AP	885000000	-13008333	-17.64	-156099996	0.8731	0.4020
CB6.4	PICO	Summer2	AP	660000000	-8186688	-14.88	-98240250	0.7807	0.6092
CB6.4	PICO	Winter	AP	13375000	-340000	-30.50	-4080000	0.5242	0.5714
CB6.4	PICO	Annual	BP	45300000	-448000	-11.87	-5376000	0.9195	0.2429
CB6.4	PICO	Fall	BP	41150000	-339048	-9.89	-4068571	0.2818	0.6613
CB6.4	PICO	SAV1	BP	37000000	-383529	-12.44	-4602353	0.5985	0.4298

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB6.4	PICO	SAV2	BP	220250000	-154625	-0.84	-1855497	0.7701	0.9217
CB6.4	PICO	Spring1	BP	11000000	-477650	-52.11	-5731800	0.9046	0.2052
CB6.4	PICO	Spring2	BP	26500000	-974947	-44.15	-11699366	0.9046	0.2052
CB6.4	PICO	Summer1	BP	274000000	-1539583	-6.74	-18475000	0.6267	0.8974
CB6.4	PICO	Summer2	BP	274000000	914429	4.00	10973143	0.8117	0.6613
CB6.4	PICO	Winter	BP	10885000	-215638	-23.77	-2587656	0.9248	0.5035
CB6.4	PICO_C	Annual	AP	101925000	-805450	-9.48	-9665400	0.8936	0.1510
CB6.4	PICO_C	Fall	AP	64050000	-703568	-13.18	-8442818	0.2830	0.8266
CB6.4	PICO_C	SAV1	AP	101925000	-459287	-5.41	-5511438	0.4208	0.4612
CB6.4	PICO_C	SAV2	AP	621750000	-661125	-1.28	-7933500	0.6918	0.5888
CB6.4	PICO_C	Spring1	AP	23752500	-631163	-31.89	-7573950	0.4683	0.2052
CB6.4	PICO_C	Spring2	AP	101925000	-725859	-8.55	-8710303	0.5444	0.3033
CB6.4	PICO_C	Summer1	AP	1327500000	-19512500	-17.64	-234150000	0.8731	0.4020
CB6.4	PICO_C	Summer2	AP	990000000	-12280031	-14.88	-147360372	0.7807	0.6092
CB6.4	PICO_C	Winter	AP	20062500	-510000	-30.50	-6120000	0.5242	0.5714
CB6.4	PICO_C	Annual	BP	67950000	-672000	-11.87	-8064000	0.9195	0.2429
CB6.4	PICO_C	Fall	BP	61725000	-508571	-9.89	-6102857	0.2818	0.6613
CB6.4	PICO_C	SAV1	BP	55500000	-575294	-12.44	-6903530	0.5985	0.4298
CB6.4	PICO_C	SAV2	BP	330375000	-231937	-0.84	-2783245	0.7701	0.9217
CB6.4	PICO_C	Spring1	BP	16500000	-716475	-52.11	-8597700	0.9046	0.2052
CB6.4	PICO_C	Spring2	BP	39750000	-1462421	-44.15	-17549050	0.9046	0.2052
CB6.4	PICO_C	Summer1	BP	411000000	-2309375	-6.74	-27712500	0.6267	0.8974
CB6.4	PICO_C	Summer2	BP	411000000	1371643	4.00	16459714	0.8117	0.6613
CB6.4	PICO_C	Winter	BP	16327500	-323457	-23.77	-3881484	0.9248	0.5035
CB6.4	N_SP	Annual	AP	33.00	0.03	1.45	0.48	0.1594	0.5870
CB6.4	N_SP	Fall	AP	33.00	-0.07	-3.39	-1.12	0.4513	0.6406
CB6.4	N_SP	SAV1	AP	32.50	0.02	0.98	0.32	0.6834	0.6090
CB6.4	N_SP	SAV2	AP	35.00	0.13	5.94	2.08	0.0940	0.3645
CB6.4	N_SP	Spring1	AP	32.50	0.12	5.54	1.80	0.9031	0.3597
CB6.4	N_SP	Spring2	AP	35.00	0.08	3.43	1.20	0.6947	0.5476
CB6.4	N_SP	Summer1	AP	35.00	0.44	20.11	7.04	0.0534	0.2299
CB6.4	N_SP	Summer2	AP	34.50	0.58	26.90	9.28	0.0370	0.1276
CB6.4	N_SP	Winter	AP	36.50	-0.33	-13.56	-4.95	0.0978	0.3164
CB6.4	N_SP	Annual	BP	37.00	0.18	7.78	2.88	0.7181	0.1644
CB6.4	N_SP	Fall	BP	37.00	-0.13	-5.62	-2.08	0.1809	0.7128
CB6.4	N_SP	SAV1	BP	37.00	0.08	3.46	1.28	0.9887	0.5145
CB6.4	N_SP	SAV2	BP	38.50	0.20	8.31	3.20	0.9405	0.2432
CB6.4	N_SP	Spring1	BP	41.50	0.00	0.00	0.00	0.8376	0.8960
CB6.4	N_SP	Spring2	BP	41.50	0.00	0.00	0.00	0.9285	0.9792
CB6.4	N_SP	Summer1	BP	33.50	0.40	19.10	6.40	0.8719	0.1453
CB6.4	N_SP	Summer2	BP	32.00	0.50	25.00	8.00	0.8038	0.1325
CB6.4	N_SP	Winter	BP	39.00	0.60	23.08	9.00	0.6727	0.0874
CB6.4	N_GENERA	Annual	AP	28.00	0.13	7.43	2.08	0.2406	0.2202
CB6.4	N_GENERA	Fall	AP	28.75	-0.05	-2.78	-0.80	0.8199	0.7309
CB6.4	N_GENERA	SAV1	AP	27.00	0.17	10.07	2.72	0.7219	0.1985
CB6.4	N_GENERA	SAV2	AP	27.50	0.25	14.55	4.00	0.1918	0.0601
CB6.4	N_GENERA	Spring1	AP	26.50	0.25	14.15	3.75	0.9676	0.1515
CB6.4	N_GENERA	Spring2	AP	27.50	0.21	11.45	3.15	0.6621	0.3347
CB6.4	N_GENERA	Summer1	AP	27.50	0.38	22.11	6.08	0.0951	0.0521
CB6.4	N_GENERA	Summer2	AP	27.25	0.48	28.18	7.68	0.0965	0.0219
CB6.4	N_GENERA	Winter	AP	29.50	-0.33	-16.78	-4.95	0.3176	0.2274
CB6.4	N_GENERA	Annual	BP	31.25	0.15	7.68	2.40	0.6760	0.1226
CB6.4	N_GENERA	Fall	BP	31.50	-0.12	-6.10	-1.92	0.2224	0.6403
CB6.4	N_GENERA	SAV1	BP	29.00	0.11	6.07	1.76	0.9920	0.4702
CB6.4	N_GENERA	SAV2	BP	31.50	0.19	9.65	3.04	0.8920	0.1782
CB6.4	N_GENERA	Spring1	BP	31.50	0.11	5.24	1.65	0.8199	0.5839

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB6.4	N_GENERA	Spring2	BP	32.00	0.00	0.00	0.00	0.9733	0.8136
CB6.4	N_GENERA	Summer1	BP	28.00	0.30	17.14	4.80	0.6671	0.1223
CB6.4	N_GENERA	Summer2	BP	27.50	0.37	21.53	5.92	0.5347	0.1100
CB6.4	N_GENERA	Winter	BP	30.00	0.54	27.00	8.10	0.5670	0.1149
CB6.4	SHANNON	Annual	AP	2.43	0.05	32.92	0.80	0.2516	<0.0001
CB6.4	SHANNON	Fall	AP	2.17	0.06	44.24	0.96	0.4030	0.0012
CB6.4	SHANNON	SAV1	AP	2.37	0.06	40.51	0.96	0.7458	<0.0001
CB6.4	SHANNON	SAV2	AP	2.61	0.05	30.65	0.80	0.7656	<0.0001
CB6.4	SHANNON	Spring1	AP	2.38	0.08	50.42	1.20	0.8077	<0.0001
CB6.4	SHANNON	Spring2	AP	2.61	0.08	45.98	1.20	0.9048	0.0001
CB6.4	SHANNON	Summer1	AP	2.61	0.04	24.52	0.64	0.6339	0.0131
CB6.4	SHANNON	Summer2	AP	2.57	0.03	18.68	0.48	0.8139	0.1058
CB6.4	SHANNON	Winter	AP	2.52	-0.01	-5.95	-0.15	0.3040	0.8678
CB6.4	SHANNON	Annual	BP	2.68	0.05	29.85	0.80	0.8430	<0.0001
CB6.4	SHANNON	Fall	BP	2.31	0.04	27.71	0.64	0.7204	0.0110
CB6.4	SHANNON	SAV1	BP	2.66	0.05	30.08	0.80	0.6000	<0.0001
CB6.4	SHANNON	SAV2	BP	2.80	0.05	28.57	0.80	0.9069	0.0002
CB6.4	SHANNON	Spring1	BP	2.86	0.07	36.71	1.05	0.7820	<0.0001
CB6.4	SHANNON	Spring2	BP	2.86	0.07	36.71	1.05	0.9655	0.0005
CB6.4	SHANNON	Summer1	BP	2.66	0.04	24.06	0.64	0.8667	0.0116
CB6.4	SHANNON	Summer2	BP	2.75	0.03	17.45	0.48	0.8363	0.0571
CB6.4	SHANNON	Winter	BP	2.41	0.05	31.12	0.75	0.1665	0.0894
CB6.4	EVENNESS	Annual	AP	0.49	0.01	32.65	0.16	0.1210	<0.0001
CB6.4	EVENNESS	Fall	AP	0.44	0.01	36.36	0.16	0.3737	0.0017
CB6.4	EVENNESS	SAV1	AP	0.48	0.01	33.33	0.16	0.6376	<0.0001
CB6.4	EVENNESS	SAV2	AP	0.51	0.01	31.37	0.16	0.5476	<0.0001
CB6.4	EVENNESS	Spring1	AP	0.48	0.01	31.25	0.15	0.9048	<0.0001
CB6.4	EVENNESS	Spring2	AP	0.51	0.01	29.41	0.15	0.9296	0.0001
CB6.4	EVENNESS	Summer1	AP	0.51	0.01	31.37	0.16	0.5007	0.0320
CB6.4	EVENNESS	Summer2	AP	0.51	0.00	0.00	0.00	0.5797	0.1829
CB6.4	EVENNESS	Winter	AP	0.50	0.00	0.00	0.00	0.0654	0.9204
CB6.4	EVENNESS	Annual	BP	0.53	0.01	30.19	0.16	0.7349	<0.0001
CB6.4	EVENNESS	Fall	BP	0.47	0.01	34.04	0.16	0.5793	0.0095
CB6.4	EVENNESS	SAV1	BP	0.53	0.01	30.19	0.16	0.5746	0.0001
CB6.4	EVENNESS	SAV2	BP	0.53	0.01	30.19	0.16	0.7348	0.0001
CB6.4	EVENNESS	Spring1	BP	0.56	0.01	26.79	0.15	0.9347	<0.0001
CB6.4	EVENNESS	Spring2	BP	0.53	0.02	56.60	0.30	0.7820	0.0001
CB6.4	EVENNESS	Summer1	BP	0.57	0.01	28.07	0.16	0.8563	0.0207
CB6.4	EVENNESS	Summer2	BP	0.58	0.00	0.00	0.00	0.8269	0.0868
CB6.4	EVENNESS	Winter	BP	0.46	0.01	32.61	0.15	0.1000	0.1175
CB7.3E	TOTABUND	Annual	AP	2976735	89534	48.12	1432539	0.8680	0.0467
CB7.3E	TOTABUND	Fall	AP	2179146	75626	55.53	1210017	0.6759	0.3276
CB7.3E	TOTABUND	SAV1	AP	3324472	121404	58.43	1942470	0.9716	0.0982
CB7.3E	TOTABUND	SAV2	AP	2628997	122555	74.59	1960875	0.6950	0.0196
CB7.3E	TOTABUND	Spring1	AP	4157395	156438	56.44	2346577	0.9739	0.2723
CB7.3E	TOTABUND	Spring2	AP	4157395	106500	38.43	1597500	0.9036	0.3487
CB7.3E	TOTABUND	Summer1	AP	3324472	98710	47.51	1579363	0.2969	0.0846
CB7.3E	TOTABUND	Summer2	AP	2909984	116248	63.92	1859970	0.2128	0.0636
CB7.3E	TOTABUND	Winter	AP	10697998	-75021	-10.52	-1125308	0.7864	0.8077
CB7.3E	TOTABUND	Annual	BP	3198037	111207	55.64	1779311	0.0392	0.0053
CB7.3E	TOTABUND	Fall	BP	1623724	162200	159.83	2595195	0.3732	0.0039
CB7.3E	TOTABUND	SAV1	BP	2969837	137505	74.08	2200076	0.3713	0.0081
CB7.3E	TOTABUND	SAV2	BP	3426237	117830	55.02	1885282	0.7141	0.0233
CB7.3E	TOTABUND	Spring1	BP	6382259	155664	36.59	2334960	0.1234	0.0446
CB7.3E	TOTABUND	Spring2	BP	6382259	105268	24.74	1579026	0.8165	0.3487
CB7.3E	TOTABUND	Summer1	BP	3426237	118642	55.40	1898276	0.5807	0.0925

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB7.3E	TOTABUND	Summer2	BP	2919143	110607	60.62	1769707	0.3806	0.1678
CB7.3E	TOTABUND	Winter	BP	8837267	-113331	-19.24	-1699969	0.6173	0.0653
CB7.3E	TOTBMASS	Annual	AP	253216540	6777400	42.82	108438392	0.0861	0.0364
CB7.3E	TOTBMASS	Fall	AP	177840405	1158782	10.43	18540517	0.0389	0.9400
CB7.3E	TOTBMASS	SAV1	AP	295910406	4320215	23.36	69123440	0.0554	0.4660
CB7.3E	TOTBMASS	SAV2	AP	241216032	12377709	82.10	198043346	0.1020	0.0125
CB7.3E	TOTBMASS	Spring1	AP	324309580	7271817	33.63	109077258	0.2026	0.5380
CB7.3E	TOTBMASS	Spring2	AP	222565681	17047101	114.89	255706512	0.7064	0.1895
CB7.3E	TOTBMASS	Summer1	AP	222565681	14837518	106.67	237400290	0.3825	0.0025
CB7.3E	TOTBMASS	Summer2	AP	235742272	18115541	122.95	289848653	0.7921	0.0007
CB7.3E	TOTBMASS	Winter	AP	397645311	-1858472	-7.01	-27877082	0.8789	0.8077
CB7.3E	TOTBMASS	Annual	BP	153332448	9184615	95.84	146953840	0.0558	0.0042
CB7.3E	TOTBMASS	Fall	BP	96490481	16838699	279.22	269419181	0.3334	0.0017
CB7.3E	TOTBMASS	SAV1	BP	135122623	14924811	176.73	238796974	0.2444	0.0122
CB7.3E	TOTBMASS	SAV2	BP	170838648	9516332	89.13	152261310	0.4363	0.0125
CB7.3E	TOTBMASS	Spring1	BP	370494329	4978415	20.16	74676223	0.4961	0.7278
CB7.3E	TOTBMASS	Spring2	BP	370494329	6972699	28.23	104590487	0.3646	0.4375
CB7.3E	TOTBMASS	Summer1	BP	170838648	12829546	120.16	205272730	0.4931	0.0071
CB7.3E	TOTBMASS	Summer2	BP	173531335	15851369	146.15	253621906	0.3147	0.0134
CB7.3E	TOTBMASS	Winter	BP	304106808	-11233785	-55.41	-168506775	0.3095	0.1348
CB7.3E	RATIO	Annual	AP	79.08	0.12	2.43	1.92	0.4075	0.8473
CB7.3E	RATIO	Fall	AP	101.23	-1.39	-21.97	-22.24	0.0655	0.4365
CB7.3E	RATIO	SAV1	AP	79.72	-1.01	-20.27	-16.16	0.2528	0.2626
CB7.3E	RATIO	SAV2	AP	79.72	0.19	3.81	3.04	0.2674	0.7073
CB7.3E	RATIO	Spring1	AP	79.70	-1.17	-22.02	-17.55	0.5048	0.3487
CB7.3E	RATIO	Spring2	AP	68.06	0.00	0.00	0.00	0.9117	0.9786
CB7.3E	RATIO	Summer1	AP	78.46	1.55	31.61	24.80	0.8326	0.1100
CB7.3E	RATIO	Summer2	AP	79.09	1.92	38.84	30.72	0.8269	0.0868
CB7.3E	RATIO	Winter	AP	42.36	0.44	15.58	6.60	0.8465	0.8620
CB7.3E	RATIO	Annual	BP	61.37	0.49	12.77	7.84	0.0435	0.3106
CB7.3E	RATIO	Fall	BP	51.58	2.12	65.76	33.92	0.0985	0.0149
CB7.3E	RATIO	SAV1	BP	61.22	0.81	21.17	12.96	0.0241	0.2068
CB7.3E	RATIO	SAV2	BP	74.21	0.24	5.17	3.84	0.3288	0.7073
CB7.3E	RATIO	Spring1	BP	61.22	-1.62	-39.69	-24.30	0.5348	0.2964
CB7.3E	RATIO	Spring2	BP	57.68	-0.15	-3.90	-2.25	0.3747	0.8935
CB7.3E	RATIO	Summer1	BP	75.88	0.85	17.92	13.60	0.2295	0.3128
CB7.3E	RATIO	Summer2	BP	81.94	0.75	14.64	12.00	0.1168	0.4187
CB7.3E	RATIO	Winter	BP	48.26	-1.25	-38.85	-18.75	0.1759	0.3478
CB7.3E	MARGALEF	Annual	AP	2.69	0.00	0.00	0.00	0.9543	0.8877
CB7.3E	MARGALEF	Fall	AP	2.35	0.03	20.43	0.48	0.8364	0.1386
CB7.3E	MARGALEF	SAV1	AP	2.73	0.00	0.00	0.00	0.7663	0.8449
CB7.3E	MARGALEF	SAV2	AP	2.74	0.00	0.00	0.00	0.8882	0.7317
CB7.3E	MARGALEF	Spring1	AP	2.81	-0.01	-5.34	-0.15	0.9764	0.5380
CB7.3E	MARGALEF	Spring2	AP	2.81	-0.01	-5.34	-0.15	0.9768	0.6490
CB7.3E	MARGALEF	Summer1	AP	2.83	0.00	0.00	0.00	0.9336	0.9665
CB7.3E	MARGALEF	Summer2	AP	2.56	0.00	0.00	0.00	0.8269	0.8865
CB7.3E	MARGALEF	Winter	AP	2.84	-0.02	-10.56	-0.30	0.7341	0.3478
CB7.3E	MARGALEF	Annual	BP	2.78	-0.02	-11.51	-0.32	0.2531	0.0342
CB7.3E	MARGALEF	Fall	BP	2.87	-0.03	-16.72	-0.48	0.5958	0.1257
CB7.3E	MARGALEF	SAV1	BP	2.80	-0.02	-11.43	-0.32	0.5189	0.0314
CB7.3E	MARGALEF	SAV2	BP	2.79	-0.02	-11.47	-0.32	0.0998	0.0605
CB7.3E	MARGALEF	Spring1	BP	2.72	-0.01	-5.51	-0.15	0.2737	0.4375
CB7.3E	MARGALEF	Spring2	BP	2.77	-0.03	-16.25	-0.45	0.1985	0.0647
CB7.3E	MARGALEF	Summer1	BP	2.77	-0.01	-5.78	-0.16	0.0635	0.3334
CB7.3E	MARGALEF	Summer2	BP	2.56	0.00	0.00	0.00	0.0795	0.8865
CB7.3E	MARGALEF	Winter	BP	2.43	-0.03	-18.52	-0.45	0.1192	0.3132

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB7.3E	DIATOM	Annual	AP	1711391	65046	60.81	1040728	0.7878	0.0115
CB7.3E	DIATOM	Fall	AP	877397	98788	180.15	1580611	0.9354	0.0084
CB7.3E	DIATOM	SAV1	AP	1141087	101383	142.16	1622123	0.8665	0.0149
CB7.3E	DIATOM	SAV2	AP	1736181	62111	57.24	993778	0.7225	0.0651
CB7.3E	DIATOM	Spring1	AP	2384536	72101	45.36	1081518	0.8885	0.4065
CB7.3E	DIATOM	Spring2	AP	2384536	70635	44.43	1059522	0.9181	0.3769
CB7.3E	DIATOM	Summer1	AP	1736181	36057	33.23	576916	0.3862	0.2931
CB7.3E	DIATOM	Summer2	AP	1711391	45514	42.55	728231	0.2366	0.2740
CB7.3E	DIATOM	Winter	AP	7459263	61632	12.39	924480	0.3246	0.7021
CB7.3E	DIATOM	Annual	BP	1857804	94889	81.72	1518228	0.0172	0.0009
CB7.3E	DIATOM	Fall	BP	895213	173051	309.29	2768823	0.6441	<0.0001
CB7.3E	DIATOM	SAV1	BP	1804925	120906	107.18	1934498	0.2216	0.0011
CB7.3E	DIATOM	SAV2	BP	1910684	84082	70.41	1345305	0.5019	0.0164
CB7.3E	DIATOM	Spring1	BP	5020537	91506	27.34	1372587	0.5285	0.2283
CB7.3E	DIATOM	Spring2	BP	5020537	46197	13.80	692954	0.8725	0.5033
CB7.3E	DIATOM	Summer1	BP	1910684	88042	73.73	1408670	0.3464	0.0584
CB7.3E	DIATOM	Summer2	BP	2311709	101966	70.57	1631448	0.2038	0.0707
CB7.3E	DIATOM	Winter	BP	7951532	-204538	-38.58	-3068064	0.5307	0.0884
CB7.3E	DIATOM_C	Annual	AP	136218392	6798335	79.85	108773362	0.4636	0.0049
CB7.3E	DIATOM_C	Fall	AP	75558488	9757628	206.62	156122055	0.6740	0.0046
CB7.3E	DIATOM_C	SAV1	AP	86500384	9731723	180.01	155707575	0.2175	0.0164
CB7.3E	DIATOM_C	SAV2	AP	158270698	8166112	82.55	130657795	0.7545	0.0164
CB7.3E	DIATOM_C	Spring1	AP	221569570	2154721	14.59	32320818	0.3059	0.8096
CB7.3E	DIATOM_C	Spring2	AP	158270698	7738743	73.34	116081142	0.9404	0.2496
CB7.3E	DIATOM_C	Summer1	AP	158270698	6441563	65.12	103065015	0.3454	0.0642
CB7.3E	DIATOM_C	Summer2	AP	116311630	8085535	111.23	129368557	0.2201	0.0636
CB7.3E	DIATOM_C	Winter	AP	277372591	2163538	11.70	32453072	0.9403	0.7543
CB7.3E	DIATOM_C	Annual	BP	102387968	9924850	155.09	158797601	0.0174	0.0002
CB7.3E	DIATOM_C	Fall	BP	60728129	19585707	516.02	313371317	0.8468	<0.0001
CB7.3E	DIATOM_C	SAV1	BP	95627843	16698154	279.39	267170467	0.0605	0.0007
CB7.3E	DIATOM_C	SAV2	BP	109148094	10160104	148.94	162561667	0.1429	0.0018
CB7.3E	DIATOM_C	Spring1	BP	328229893	1074778	4.91	16121664	0.5787	0.8935
CB7.3E	DIATOM_C	Spring2	BP	328229893	4255649	19.45	63834729	0.3417	0.4375
CB7.3E	DIATOM_C	Summer1	BP	109148094	10294497	150.91	164711957	0.3209	0.0081
CB7.3E	DIATOM_C	Summer2	BP	149888533	14913502	159.20	238616037	0.1744	0.0198
CB7.3E	DIATOM_C	Winter	BP	279194288	-10291124	-55.29	-154366860	0.2254	0.3478
CB7.3E	DINOFLG	Annual	AP	118259	3343	45.22	53480	0.5217	0.0787
CB7.3E	DINOFLG	Fall	AP	78492	-2617	-53.34	-41869	0.8856	0.3034
CB7.3E	DINOFLG	SAV1	AP	213346	2668	20.01	42681	0.7911	0.4033
CB7.3E	DINOFLG	SAV2	AP	87827	4844	88.25	77507	0.5137	0.0150
CB7.3E	DINOFLG	Spring1	AP	414746	5284	19.11	79253	0.8561	0.2083
CB7.3E	DINOFLG	Spring2	AP	228828	4452	29.18	66776	0.7384	0.3219
CB7.3E	DINOFLG	Summer1	AP	86575	5778	106.78	92445	0.3638	0.0116
CB7.3E	DINOFLG	Summer2	AP	65518	6831	166.82	109299	0.4892	0.0050
CB7.3E	DINOFLG	Winter	AP	216270	2844	19.73	42665	0.6739	0.7021
CB7.3E	DINOFLG	Annual	BP	56117	1203	34.31	19251	0.1052	0.1862
CB7.3E	DINOFLG	Fall	BP	25786	786	48.78	12579	0.3847	0.3796
CB7.3E	DINOFLG	SAV1	BP	61709	326	8.45	5214	0.5369	0.7089
CB7.3E	DINOFLG	SAV2	BP	59951	977	26.07	15627	0.2571	0.2600
CB7.3E	DINOFLG	Spring1	BP	213619	4091	28.73	61366	0.3102	0.4065
CB7.3E	DINOFLG	Spring2	BP	213619	3240	22.75	48602	0.3102	0.4065
CB7.3E	DINOFLG	Summer1	BP	59951	1495	39.89	23916	0.0931	0.2561
CB7.3E	DINOFLG	Summer2	BP	50888	586	18.41	9370	0.0731	0.6343
CB7.3E	DINOFLG	Winter	BP	146349	-3747	-38.40	-56202	0.0212	0.5544
CB7.3E	DINOFL_C	Annual	AP	34981196	1176337	53.80	18821389	0.4903	0.0439
CB7.3E	DINOFL_C	Fall	AP	23549850	-503221	-34.19	-8051532	0.5081	0.7825

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB7.3E	DINOFL_C	SAV1	AP	63762728	606883	15.23	9710128	0.7441	0.5106
CB7.3E	DINOFL_C	SAV2	AP	35198471	2634226	119.74	42147619	0.4660	0.0114
CB7.3E	DINOFL_C	Spring1	AP	63762728	1904824	44.81	28572353	0.8783	0.1409
CB7.3E	DINOFL_C	Spring2	AP	63762728	3121385	73.43	46820776	0.9087	0.0916
CB7.3E	DINOFL_C	Summer1	AP	34763921	3728133	171.59	59650133	0.5364	0.0063
CB7.3E	DINOFL_C	Summer2	AP	25375921	4201129	264.89	67218061	0.3687	0.0102
CB7.3E	DINOFL_C	Winter	AP	51052308	-963907	-28.32	-14458611	0.5105	0.5544
CB7.3E	DINOFL_C	Annual	BP	10655574	460615	69.16	7369832	0.4811	0.0627
CB7.3E	DINOFL_C	Fall	BP	5301402	-115093	-34.74	-1841484	0.2241	0.5981
CB7.3E	DINOFL_C	SAV1	BP	12760564	259583	32.55	4153326	0.2761	0.6061
CB7.3E	DINOFL_C	SAV2	BP	12504186	614533	78.63	9832534	0.2230	0.1209
CB7.3E	DINOFL_C	Spring1	BP	28219343	1092730	58.08	16390956	0.5294	0.0728
CB7.3E	DINOFL_C	Spring2	BP	28219343	1867596	99.27	28013934	0.4278	0.0148
CB7.3E	DINOFL_C	Summer1	BP	10736302	952609	141.96	15241751	0.5594	0.0846
CB7.3E	DINOFL_C	Summer2	BP	10604816	482226	72.76	7715616	0.7921	0.3661
CB7.3E	DINOFL_C	Winter	BP	6606510	394579	89.59	5918685	0.2795	0.5544
CB7.3E	CYANO	Annual	AP	4459	954	342.48	15271	0.8572	<0.0001
CB7.3E	CYANO	Fall	AP	6283	0	0.00	0	0.6314	0.0012
CB7.3E	CYANO	SAV1	AP	8295	3840	740.73	61440	0.9804	0.0001
CB7.3E	CYANO	SAV2	AP	8295	3512	677.43	56189	0.6955	0.0002
CB7.3E	CYANO	Spring1	AP	0	9350	0.00	140245	0.7881	0.0032
CB7.3E	CYANO	Spring2	AP	8295	12793	2313.55	191897	0.9422	0.0011
CB7.3E	CYANO	Summer1	AP	11747	307	41.84	4915	0.4835	0.0334
CB7.3E	CYANO	Summer2	AP	21902	0	0.00	0	0.4033	0.1438
CB7.3E	CYANO	Winter	AP	4147	64	23.15	960	0.7294	0.2295
CB7.3E	CYANO	Annual	BP	17324	43	3.94	683	0.4507	0.0025
CB7.3E	CYANO	Fall	BP	6854	0	0.00	0	0.5422	0.1763
CB7.3E	CYANO	SAV1	BP	37325	128	5.49	2048	0.4781	0.0168
CB7.3E	CYANO	SAV2	BP	37325	0	0.00	0	0.6138	0.1321
CB7.3E	CYANO	Spring1	BP	37325	3880	155.94	58202	0.1189	0.0925
CB7.3E	CYANO	Spring2	BP	37325	2960	118.95	44396	0.2064	0.1372
CB7.3E	CYANO	Summer1	BP	20940	0	0.00	0	0.2838	0.1795
CB7.3E	CYANO	Summer2	BP	143844	0	0.00	0	0.8082	0.7681
CB7.3E	CYANO	Winter	BP	0	1712	0.00	25680	0.3660	0.0575
CB7.3E	CYANO_C	Annual	AP	41808	6273	240.07	100368	0.8875	<0.0001
CB7.3E	CYANO_C	Fall	AP	9424	0	0.00	0	0.7619	0.0008
CB7.3E	CYANO_C	SAV1	AP	87316	15604	285.92	249659	0.9339	0.0002
CB7.3E	CYANO_C	SAV2	AP	64769	14602	360.73	233637	0.7426	0.0004
CB7.3E	CYANO_C	Spring1	AP	0	30632	0.00	459485	0.7138	0.0053
CB7.3E	CYANO_C	Spring2	AP	152241	34714	342.02	520703	0.8997	0.0019
CB7.3E	CYANO_C	Summer1	AP	87316	942	17.26	15075	0.6562	0.0650
CB7.3E	CYANO_C	Summer2	AP	76042	0	0.00	0	0.5919	0.2156
CB7.3E	CYANO_C	Winter	AP	127023	1145	13.52	17171	0.7873	0.2438
CB7.3E	CYANO_C	Annual	BP	27167	329	19.39	5267	0.4735	0.0052
CB7.3E	CYANO_C	Fall	BP	10281	129	20.02	2058	0.5267	0.1317
CB7.3E	CYANO_C	SAV1	BP	56544	973	27.53	15565	0.5727	0.0297
CB7.3E	CYANO_C	SAV2	BP	96245	0	0.00	0	0.6224	0.2095
CB7.3E	CYANO_C	Spring1	BP	103511	7246	105.01	108694	0.2111	0.1428
CB7.3E	CYANO_C	Spring2	BP	103511	12518	181.41	187776	0.2653	0.1682
CB7.3E	CYANO_C	Summer1	BP	31410	0	0.00	0	0.2995	0.3520
CB7.3E	CYANO_C	Summer2	BP	922434	0	0.00	0	0.9041	0.9413
CB7.3E	CYANO_C	Winter	BP	0	15186	0.00	227783	0.2857	0.0414
CB7.3E	CHLORO	Annual	AP	96	1038	17293.00	16601	0.6718	<0.0001
CB7.3E	CHLORO	Fall	AP	0	0	0.00	0	0.4510	0.1309
CB7.3E	CHLORO	SAV1	AP	24884	8	0.51	128	0.2463	0.0067
CB7.3E	CHLORO	SAV2	AP	48	1763	58768.33	28209	0.4088	0.0001

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB7.3E	CHLORO	Spring1	AP	8295	1641	296.84	24622	0.1030	0.0371
CB7.3E	CHLORO	Spring2	AP	0	3344	0.00	50160	0.0616	0.0110
CB7.3E	CHLORO	Summer1	AP	128	4672	58401.13	74753	0.8926	0.0002
CB7.3E	CHLORO	Summer2	AP	4211	2870	1090.31	45916	0.9159	0.0035
CB7.3E	CHLORO	Winter	AP	8327	578	104.17	8673	0.8330	0.0452
CB7.3E	CHLORO	Annual	BP	0	814	0.00	13029	0.4078	<0.0001
CB7.3E	CHLORO	Fall	BP	0	2942	0.00	47071	0.8923	0.0003
CB7.3E	CHLORO	SAV1	BP	6771	199	46.93	3178	0.2256	0.0146
CB7.3E	CHLORO	SAV2	BP	3607	2283	1012.69	36523	0.1344	0.0013
CB7.3E	CHLORO	Spring1	BP	0	0	0.00	0	0.3569	0.6825
CB7.3E	CHLORO	Spring2	BP	0	2771	0.00	41570	0.0343	0.1155
CB7.3E	CHLORO	Summer1	BP	3607	2629	1166.24	42060	0.3645	0.0034
CB7.3E	CHLORO	Summer2	BP	5189	88	27.10	1406	0.5944	0.0649
CB7.3E	CHLORO	Winter	BP	64	0	0.00	0	0.8056	0.3005
CB7.3E	CHLORO_C	Annual	AP	4100	25146	9814.41	402344	0.6397	<0.0001
CB7.3E	CHLORO_C	Fall	AP	0	0	0.00	0	0.5188	0.1968
CB7.3E	CHLORO_C	SAV1	AP	559879	104	0.30	1671	0.1980	0.0057
CB7.3E	CHLORO_C	SAV2	AP	743	40372	86895.42	645946	0.3501	0.0001
CB7.3E	CHLORO_C	Spring1	AP	186626	16593	133.36	248888	0.1096	0.0348
CB7.3E	CHLORO_C	Spring2	AP	0	51889	0.00	778331	0.0762	0.0110
CB7.3E	CHLORO_C	Summer1	AP	5804	119567	32964.03	1913074	0.8940	0.0001
CB7.3E	CHLORO_C	Summer2	AP	96215	86956	1446.04	1391302	0.7978	0.0017
CB7.3E	CHLORO_C	Winter	AP	187824	28124	224.60	421854	0.8710	0.0150
CB7.3E	CHLORO_C	Annual	BP	0	24063	0.00	385010	0.7212	<0.0001
CB7.3E	CHLORO_C	Fall	BP	0	67849	0.00	1085582	0.8441	0.0010
CB7.3E	CHLORO_C	SAV1	BP	152348	10485	110.12	167767	0.4476	0.0146
CB7.3E	CHLORO_C	SAV2	BP	81146	47089	928.48	753427	0.3246	0.0013
CB7.3E	CHLORO_C	Spring1	BP	0	0	0.00	0	0.4352	0.4954
CB7.3E	CHLORO_C	Spring2	BP	0	41215	0.00	618226	0.1142	0.1428
CB7.3E	CHLORO_C	Summer1	BP	81146	59140	1166.08	946232	0.5887	0.0039
CB7.3E	CHLORO_C	Summer2	BP	116747	17996	246.63	287932	0.6149	0.0413
CB7.3E	CHLORO_C	Winter	BP	2396	0	0.00	0	0.8976	0.2673
CB7.3E	CRYPTO	Annual	AP	887651	-349	-0.63	-5585	0.6235	0.9182
CB7.3E	CRYPTO	Fall	AP	681908	-8950	-21.00	-143206	0.2945	0.7825
CB7.3E	CRYPTO	SAV1	AP	975189	-11946	-19.60	-191139	0.7731	0.3739
CB7.3E	CRYPTO	SAV2	AP	642816	276	0.69	4415	0.5128	0.9220
CB7.3E	CRYPTO	Spring1	AP	1005771	-9318	-13.90	-139763	0.7597	0.5204
CB7.3E	CRYPTO	Spring2	AP	992344	-5242	-7.92	-78637	0.8305	0.6683
CB7.3E	CRYPTO	Summer1	AP	642816	-403	-1.00	-6441	0.2110	1.0000
CB7.3E	CRYPTO	Summer2	AP	540667	1243	3.68	19893	0.1137	0.8491
CB7.3E	CRYPTO	Winter	AP	892314	18945	31.85	284171	0.6123	0.3478
CB7.3E	CRYPTO	Annual	BP	481024	7543	25.09	120689	0.1176	0.1657
CB7.3E	CRYPTO	Fall	BP	587781	6299	17.15	100776	0.0226	0.7442
CB7.3E	CRYPTO	SAV1	BP	562879	-3785	-10.76	-60560	0.1434	0.7624
CB7.3E	CRYPTO	SAV2	BP	349550	7889	36.11	126229	0.2567	0.1754
CB7.3E	CRYPTO	Spring1	BP	562879	19303	51.44	289548	0.3722	0.2723
CB7.3E	CRYPTO	Spring2	BP	1022802	6906	10.13	103590	0.4947	0.4697
CB7.3E	CRYPTO	Summer1	BP	240538	7629	50.75	122061	0.0987	0.2561
CB7.3E	CRYPTO	Summer2	BP	213363	7505	56.28	120080	0.0434	0.3415
CB7.3E	CRYPTO	Winter	BP	573224	0	0.00	0	0.5722	1.0000
CB7.3E	CRYPTO_C	Annual	AP	21312501	-5588	-0.42	-89403	0.5948	0.9386
CB7.3E	CRYPTO_C	Fall	AP	16372617	-201631	-19.70	-3226100	0.2774	0.8213
CB7.3E	CRYPTO_C	SAV1	AP	23414288	-286828	-19.60	-4589245	0.7621	0.3551
CB7.3E	CRYPTO_C	SAV2	AP	15434012	6625	0.69	105993	0.5128	0.9220
CB7.3E	CRYPTO_C	Spring1	AP	24148550	-243623	-15.13	-3654352	0.7330	0.4862
CB7.3E	CRYPTO_C	Spring2	AP	23826179	-125871	-7.92	-1888070	0.8305	0.6683

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB7.3E	CRYPTO_C	Summer1	AP	15434012	-9666	-1.00	-154656	0.2110	1.0000
CB7.3E	CRYPTO_C	Summer2	AP	12981421	29852	3.68	477627	0.1137	0.8491
CB7.3E	CRYPTO_C	Winter	AP	19837607	454863	34.39	6822944	0.6676	0.3132
CB7.3E	CRYPTO_C	Annual	BP	11549386	182012	25.22	2912194	0.1076	0.1580
CB7.3E	CRYPTO_C	Fall	BP	13631748	158530	18.61	2536480	0.0190	0.7065
CB7.3E	CRYPTO_C	SAV1	BP	13514725	-90878	-10.76	-1454046	0.1434	0.7624
CB7.3E	CRYPTO_C	SAV2	BP	8392684	189422	36.11	3030759	0.2567	0.1754
CB7.3E	CRYPTO_C	Spring1	BP	13514725	463470	51.44	6952056	0.3722	0.2723
CB7.3E	CRYPTO_C	Spring2	BP	24557464	165813	10.13	2487196	0.4947	0.4697
CB7.3E	CRYPTO_C	Summer1	BP	5775305	183168	50.75	2930693	0.0987	0.2561
CB7.3E	CRYPTO_C	Summer2	BP	5122840	180195	56.28	2883117	0.0434	0.3415
CB7.3E	CRYPTO_C	Winter	BP	13763096	0	0.00	0	0.5722	1.0000
CB7.3E	PROCARY	Annual	AP	0.00	0.00	0.00	0.00	0.7634	<0.0001
CB7.3E	PROCARY	Fall	AP	0.00	0.00	0.00	0.00	0.6246	0.0015
CB7.3E	PROCARY	SAV1	AP	0.00	0.00	0.00	0.00	0.9714	0.0001
CB7.3E	PROCARY	SAV2	AP	0.00	0.00	0.00	0.00	0.5890	0.0001
CB7.3E	PROCARY	Spring1	AP	0.00	0.00	0.00	0.00	0.6939	0.0024
CB7.3E	PROCARY	Spring2	AP	0.00	0.00	0.00	0.00	0.9871	0.0003
CB7.3E	PROCARY	Summer1	AP	0.00	0.00	0.00	0.00	0.3358	0.0202
CB7.3E	PROCARY	Summer2	AP	0.01	0.00	0.00	0.00	0.3372	0.1372
CB7.3E	PROCARY	Winter	AP	0.00	0.00	0.00	0.00	0.9981	0.3057
CB7.3E	PROCARY	Annual	BP	0.01	0.00	0.00	0.00	0.3488	0.0032
CB7.3E	PROCARY	Fall	BP	0.01	0.00	0.00	0.00	0.4988	0.3110
CB7.3E	PROCARY	SAV1	BP	0.01	0.00	0.00	0.00	0.6423	0.0236
CB7.3E	PROCARY	SAV2	BP	0.03	0.00	0.00	0.00	0.5185	0.1455
CB7.3E	PROCARY	Spring1	BP	0.01	0.00	0.00	0.00	0.2127	0.0733
CB7.3E	PROCARY	Spring2	BP	0.01	0.00	0.00	0.00	0.2368	0.0790
CB7.3E	PROCARY	Summer1	BP	0.03	0.00	0.00	0.00	0.1733	0.2338
CB7.3E	PROCARY	Summer2	BP	0.05	0.00	0.00	0.00	0.6431	0.9413
CB7.3E	PROCARY	Winter	BP	0.00	0.00	0.00	0.00	0.4001	0.0221
CB7.3E	PROCAR_C	Annual	AP	0.00	0.00	0.00	0.00	0.9114	<0.0001
CB7.3E	PROCAR_C	Fall	AP	0.00	0.00	0.00	0.00	0.7341	0.0026
CB7.3E	PROCAR_C	SAV1	AP	0.00	0.00	0.00	0.00	0.9919	0.0004
CB7.3E	PROCAR_C	SAV2	AP	0.00	0.00	0.00	0.00	0.8191	0.0014
CB7.3E	PROCAR_C	Spring1	AP	0.00	0.00	0.00	0.00	0.9747	0.0058
CB7.3E	PROCAR_C	Spring2	AP	0.00	0.00	0.00	0.00	0.9926	0.0038
CB7.3E	PROCAR_C	Summer1	AP	0.00	0.00	0.00	0.00	0.6129	0.0787
CB7.3E	PROCAR_C	Summer2	AP	0.00	0.00	0.00	0.00	0.6094	0.2758
CB7.3E	PROCAR_C	Winter	AP	0.00	0.00	0.00	0.00	0.8135	0.4166
CB7.3E	PROCAR_C	Annual	BP	0.00	0.00	0.00	0.00	0.4025	0.0142
CB7.3E	PROCAR_C	Fall	BP	0.00	0.00	0.00	0.00	0.5451	0.2030
CB7.3E	PROCAR_C	SAV1	BP	0.00	0.00	0.00	0.00	0.5874	0.0853
CB7.3E	PROCAR_C	SAV2	BP	0.00	0.00	0.00	0.00	0.5367	0.3402
CB7.3E	PROCAR_C	Spring1	BP	0.00	0.00	0.00	0.00	0.2544	0.2325
CB7.3E	PROCAR_C	Spring2	BP	0.00	0.00	0.00	0.00	0.2187	0.2041
CB7.3E	PROCAR_C	Summer1	BP	0.00	0.00	0.00	0.00	0.2342	0.4750
CB7.3E	PROCAR_C	Summer2	BP	0.00	0.00	0.00	0.00	0.8434	0.7495
CB7.3E	PROCAR_C	Winter	BP	0.00	0.00	0.00	0.00	0.2642	0.0319
CB7.3E	COCCO	Annual	AP	0	0	0.00	0	0.5051	0.7282
CB7.3E	COCCO	Fall	AP	0	0	0.00	0	0.3169	0.4670
CB7.3E	COCCO	SAV1	AP	0	0	0.00	0	0.1633	0.9427
CB7.3E	COCCO	SAV2	AP	0	0	0.00	0	0.6461	0.7221
CB7.3E	COCCO	Spring1	AP	0	0	0.00	0	0.5450	0.2010
CB7.3E	COCCO	Spring2	AP	0	0	0.00	0	0.7843	0.2763
CB7.3E	COCCO	Summer1	AP	0	0	0.00	0	0.4517	0.8952
CB7.3E	COCCO	Summer2	AP	0	0	0.00	0	0.5861	0.3895

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB7.3E	COCCO	Winter	AP	0	0	0.00	0	0.9386	0.2530
CB7.3E	COCCO	Annual	BP	0	0	0.00	0	0.2641	0.3688
CB7.3E	COCCO	Fall	BP	0	0	0.00	0	0.5903	0.0084
CB7.3E	COCCO	SAV1	BP	0	0	0.00	0	0.0623	0.4512
CB7.3E	COCCO	SAV2	BP	0	0	0.00	0	0.7047	0.6153
CB7.3E	COCCO	Spring1	BP	0	0	0.00	0	0.6448	0.1250
CB7.3E	COCCO	Spring2	BP	0	0	0.00	0	0.6181	0.9291
CB7.3E	COCCO	Summer1	BP	0	0	0.00	0	0.7694	0.7129
CB7.3E	COCCO	Summer2	BP	0	0	0.00	0	0.6292	1.0000
CB7.3E	COCCO	Winter	BP	0	0	0.00	0	1.0000	0.7202
CB7.3E	COCCO_C	Annual	AP	0	0	0.00	0	0.5547	0.5783
CB7.3E	COCCO_C	Fall	AP	0	0	0.00	0	0.3417	0.4417
CB7.3E	COCCO_C	SAV1	AP	0	0	0.00	0	0.1685	0.9143
CB7.3E	COCCO_C	SAV2	AP	0	0	0.00	0	0.6856	0.9129
CB7.3E	COCCO_C	Spring1	AP	0	0	0.00	0	0.5450	0.2010
CB7.3E	COCCO_C	Spring2	AP	0	0	0.00	0	0.9067	0.3643
CB7.3E	COCCO_C	Summer1	AP	0	0	0.00	0	0.5291	0.6927
CB7.3E	COCCO_C	Summer2	AP	0	0	0.00	0	0.6213	0.3057
CB7.3E	COCCO_C	Winter	AP	0	0	0.00	0	0.9386	0.2530
CB7.3E	COCCO_C	Annual	BP	0	0	0.00	0	0.3170	0.4202
CB7.3E	COCCO_C	Fall	BP	0	0	0.00	0	0.5959	0.0140
CB7.3E	COCCO_C	SAV1	BP	0	0	0.00	0	0.0788	0.4934
CB7.3E	COCCO_C	SAV2	BP	0	0	0.00	0	0.7047	0.6153
CB7.3E	COCCO_C	Spring1	BP	0	0	0.00	0	0.6448	0.1250
CB7.3E	COCCO_C	Spring2	BP	0	0	0.00	0	0.6181	0.9291
CB7.3E	COCCO_C	Summer1	BP	0	0	0.00	0	0.7694	0.7129
CB7.3E	COCCO_C	Summer2	BP	0	0	0.00	0	0.6292	1.0000
CB7.3E	COCCO_C	Winter	BP	0	0	0.00	0	1.0000	0.7202
CB7.3E	EUGLENO	Annual	BP	0	0	0.00	0	0.8424	0.0019
CB7.3E	EUGLENO	Fall	BP	0	0	0.00	0	0.4513	0.2256
CB7.3E	EUGLENO	SAV1	BP	0	0	0.00	0	0.8849	0.0471
CB7.3E	EUGLENO	SAV2	BP	0	0	0.00	0	0.7832	0.0285
CB7.3E	EUGLENO	Spring1	BP	128	0	0.00	0	0.7596	0.1167
CB7.3E	EUGLENO	Spring2	BP	128	0	0.00	0	0.7142	0.1033
CB7.3E	EUGLENO	Summer1	BP	0	0	0.00	0	0.3983	0.0641
CB7.3E	EUGLENO	Summer2	BP	0	0	0.00	0	0.2915	0.2509
CB7.3E	EUGLENO	Winter	BP	8295	0	0.00	0	0.2944	0.1087
CB7.3E	EUGLEN_C	Annual	BP	0	0	0.00	0	0.9010	0.0022
CB7.3E	EUGLEN_C	Fall	BP	0	0	0.00	0	0.4501	0.3248
CB7.3E	EUGLEN_C	SAV1	BP	0	0	0.00	0	0.9610	0.0359
CB7.3E	EUGLEN_C	SAV2	BP	0	0	0.00	0	0.8781	0.0213
CB7.3E	EUGLEN_C	Spring1	BP	5928	0	0.00	0	0.9422	0.0752
CB7.3E	EUGLEN_C	Spring2	BP	5928	0	0.00	0	0.9661	0.0856
CB7.3E	EUGLEN_C	Summer1	BP	0	0	0.00	0	0.4930	0.0898
CB7.3E	EUGLEN_C	Summer2	BP	0	0	0.00	0	0.3198	0.2207
CB7.3E	EUGLEN_C	Winter	BP	384118	0	0.00	0	0.3475	0.0894
CB7.3E	PICO	Annual	AP	81750000	-424333	-6.23	-5092000	0.5690	0.2801
CB7.3E	PICO	Fall	AP	22500000	725000	38.67	8700000	0.1723	0.4734
CB7.3E	PICO	SAV1	AP	81750000	-83029	-1.22	-996350	0.2576	0.8097
CB7.3E	PICO	SAV2	AP	388250000	-861625	-2.66	-10339500	0.2355	0.4697
CB7.3E	PICO	Spring1	AP	12200000	-752016	-73.97	-9024191	0.9857	0.0768
CB7.3E	PICO	Spring2	AP	81750000	-2048750	-30.07	-24585000	0.8837	0.0292
CB7.3E	PICO	Summer1	AP	729250000	-7487238	-12.32	-89846857	0.5460	0.3336
CB7.3E	PICO	Summer2	AP	670000000	-2347222	-4.20	-28166666	0.8050	0.8266
CB7.3E	PICO	Winter	AP	11540000	-20000	-2.08	-240000	0.4062	0.9566
CB7.3E	PICO	Annual	BP	58650000	218440	4.47	2621280	0.8404	0.5960

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB7.3E	PICO	Fall	BP	29950000	1327200	53.18	15926400	0.8289	0.2738
CB7.3E	PICO	SAV1	BP	58650000	339200	6.94	4070400	0.7556	0.5741
CB7.3E	PICO	SAV2	BP	183825000	1260250	8.23	15123000	0.7392	0.5331
CB7.3E	PICO	Spring1	BP	44350000	-515793	-13.96	-6189518	0.9456	0.4841
CB7.3E	PICO	Spring2	BP	58650000	-1066000	-21.81	-12792000	0.9456	0.4841
CB7.3E	PICO	Summer1	BP	231075000	4053333	21.05	48640000	0.5624	0.6061
CB7.3E	PICO	Summer2	BP	215150000	6842083	38.16	82105000	0.5525	0.3808
CB7.3E	PICO	Winter	BP	10570000	-12000	-1.36	-144000	0.1333	0.9566
CB7.3E	PICO_C	Annual	AP	122625000	-636500	-6.23	-7638000	0.5690	0.2801
CB7.3E	PICO_C	Fall	AP	33750000	1087500	38.67	13050000	0.1723	0.4734
CB7.3E	PICO_C	SAV1	AP	122625000	-124544	-1.22	-1494525	0.2576	0.8097
CB7.3E	PICO_C	SAV2	AP	582375000	-1292438	-2.66	-15509250	0.2355	0.4697
CB7.3E	PICO_C	Spring1	AP	18300000	-1128024	-73.97	-13536287	0.9857	0.0768
CB7.3E	PICO_C	Spring2	AP	122625000	-3073125	-30.07	-36877500	0.8837	0.0292
CB7.3E	PICO_C	Summer1	AP	1093875000	-11230857	-12.32	-134770284	0.5460	0.3336
CB7.3E	PICO_C	Summer2	AP	1005000000	-3520833	-4.20	-42250000	0.8050	0.8266
CB7.3E	PICO_C	Winter	AP	17310000	-30000	-2.08	-360000	0.4062	0.9566
CB7.3E	PICO_C	Annual	BP	87975000	327660	4.47	3931920	0.8404	0.5960
CB7.3E	PICO_C	Fall	BP	44925000	1990800	53.18	23889600	0.8289	0.2738
CB7.3E	PICO_C	SAV1	BP	87975000	508800	6.94	6105600	0.7556	0.5741
CB7.3E	PICO_C	SAV2	BP	275737500	1890375	8.23	22684500	0.7392	0.5331
CB7.3E	PICO_C	Spring1	BP	66525000	-773690	-13.96	-9284277	0.9456	0.4841
CB7.3E	PICO_C	Spring2	BP	87975000	-1599000	-21.81	-19188000	0.9456	0.4841
CB7.3E	PICO_C	Summer1	BP	346612500	6080000	21.05	72960000	0.5624	0.6061
CB7.3E	PICO_C	Summer2	BP	322725000	10263125	38.16	123157500	0.5525	0.3808
CB7.3E	PICO_C	Winter	BP	15855000	-18000	-1.36	-216000	0.1333	0.9566
CB7.3E	N_SP	Annual	AP	40.50	0.08	3.16	1.28	0.8462	0.4708
CB7.3E	N_SP	Fall	AP	35.00	0.50	22.86	8.00	0.9024	0.0591
CB7.3E	N_SP	SAV1	AP	41.00	0.10	3.90	1.60	0.7313	0.4643
CB7.3E	N_SP	SAV2	AP	42.00	0.17	6.48	2.72	0.8101	0.3591
CB7.3E	N_SP	Spring1	AP	43.00	0.00	0.00	0.00	0.8465	0.8929
CB7.3E	N_SP	Spring2	AP	43.00	0.00	0.00	0.00	0.8909	0.9571
CB7.3E	N_SP	Summer1	AP	43.50	0.10	3.68	1.60	0.6897	0.7519
CB7.3E	N_SP	Summer2	AP	39.25	0.20	8.15	3.20	0.5705	0.5838
CB7.3E	N_SP	Winter	AP	46.50	-0.36	-11.61	-5.40	0.8383	0.3113
CB7.3E	N_SP	Annual	BP	42.50	-0.13	-4.89	-2.08	0.2189	0.2968
CB7.3E	N_SP	Fall	BP	42.50	-0.30	-11.29	-4.80	0.5492	0.2563
CB7.3E	N_SP	SAV1	BP	43.00	-0.17	-6.33	-2.72	0.1677	0.3258
CB7.3E	N_SP	SAV2	BP	43.50	-0.22	-8.09	-3.52	0.2338	0.1901
CB7.3E	N_SP	Spring1	BP	41.50	0.10	3.61	1.50	0.0867	0.6670
CB7.3E	N_SP	Spring2	BP	43.50	-0.39	-13.45	-5.85	0.4399	0.2165
CB7.3E	N_SP	Summer1	BP	43.50	-0.07	-2.57	-1.12	0.1474	0.6578
CB7.3E	N_SP	Summer2	BP	39.00	0.00	0.00	0.00	0.1052	0.9619
CB7.3E	N_SP	Winter	BP	39.00	-0.50	-19.23	-7.50	0.2588	0.2805
CB7.3E	N_GENERA	Annual	AP	32.75	0.13	6.35	2.08	0.8845	0.1315
CB7.3E	N_GENERA	Fall	AP	29.50	0.36	19.53	5.76	0.8339	0.0621
CB7.3E	N_GENERA	SAV1	AP	33.00	0.17	8.24	2.72	0.7325	0.2245
CB7.3E	N_GENERA	SAV2	AP	32.50	0.18	8.86	2.88	0.7783	0.0914
CB7.3E	N_GENERA	Spring1	AP	33.00	0.06	2.73	0.90	0.7069	0.6864
CB7.3E	N_GENERA	Spring2	AP	33.00	0.11	5.00	1.65	0.9019	0.4354
CB7.3E	N_GENERA	Summer1	AP	33.50	0.11	5.25	1.76	0.5467	0.3641
CB7.3E	N_GENERA	Summer2	AP	31.75	0.14	7.06	2.24	0.3531	0.3769
CB7.3E	N_GENERA	Winter	AP	35.50	-0.20	-8.45	-3.00	0.8751	0.6000
CB7.3E	N_GENERA	Annual	BP	34.25	0.00	0.00	0.00	0.1196	0.6148
CB7.3E	N_GENERA	Fall	BP	35.75	-0.16	-7.16	-2.56	0.4299	0.3636
CB7.3E	N_GENERA	SAV1	BP	34.50	-0.05	-2.32	-0.80	0.1507	0.5551

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB7.3E	N_GENERA	SAV2	BP	34.50	-0.10	-4.64	-1.60	0.0595	0.3584
CB7.3E	N_GENERA	Spring1	BP	33.00	0.25	11.36	3.75	0.2216	0.3750
CB7.3E	N_GENERA	Spring2	BP	34.00	-0.14	-6.18	-2.10	0.4546	0.4848
CB7.3E	N_GENERA	Summer1	BP	35.00	0.00	0.00	0.00	0.0240	0.7512
CB7.3E	N_GENERA	Summer2	BP	32.75	0.00	0.00	0.00	0.0139	0.8671
CB7.3E	N_GENERA	Winter	BP	30.00	-0.30	-15.00	-4.50	0.4568	0.4622
CB7.3E	SHANNON	Annual	AP	2.68	0.04	23.88	0.64	0.9441	<0.0001
CB7.3E	SHANNON	Fall	AP	2.63	0.05	30.42	0.80	0.9075	0.0171
CB7.3E	SHANNON	SAV1	AP	2.74	0.04	23.36	0.64	0.9568	0.0005
CB7.3E	SHANNON	SAV2	AP	2.67	0.05	29.96	0.80	0.8812	<0.0001
CB7.3E	SHANNON	Spring1	AP	3.10	0.04	19.35	0.60	0.7401	0.0301
CB7.3E	SHANNON	Spring2	AP	3.08	0.05	24.35	0.75	0.9454	0.0030
CB7.3E	SHANNON	Summer1	AP	2.67	0.06	35.96	0.96	0.5636	0.0004
CB7.3E	SHANNON	Summer2	AP	2.45	0.06	39.18	0.96	0.3687	0.0027
CB7.3E	SHANNON	Winter	AP	1.81	0.02	16.57	0.30	0.6306	0.3478
CB7.3E	SHANNON	Annual	BP	2.56	0.03	18.75	0.48	0.5410	<0.0001
CB7.3E	SHANNON	Fall	BP	2.56	0.05	31.25	0.80	0.6021	0.0007
CB7.3E	SHANNON	SAV1	BP	2.57	0.04	24.90	0.64	0.5280	0.0003
CB7.3E	SHANNON	SAV2	BP	2.57	0.03	18.68	0.48	0.5402	0.0028
CB7.3E	SHANNON	Spring1	BP	2.56	0.03	17.58	0.45	0.5058	0.0198
CB7.3E	SHANNON	Spring2	BP	2.52	0.05	29.76	0.75	0.3420	0.0094
CB7.3E	SHANNON	Summer1	BP	2.57	0.03	18.68	0.48	0.2575	0.0355
CB7.3E	SHANNON	Summer2	BP	2.88	0.02	11.11	0.32	0.5271	0.2954
CB7.3E	SHANNON	Winter	BP	2.00	0.01	7.50	0.15	0.2063	0.3132
CB7.3E	EVENNESS	Annual	AP	0.50	0.01	32.00	0.16	0.8695	<0.0001
CB7.3E	EVENNESS	Fall	AP	0.50	0.01	32.00	0.16	0.7677	0.0420
CB7.3E	EVENNESS	SAV1	AP	0.50	0.01	32.00	0.16	0.9024	0.0002
CB7.3E	EVENNESS	SAV2	AP	0.47	0.01	34.04	0.16	0.6441	<0.0001
CB7.3E	EVENNESS	Spring1	AP	0.59	0.01	25.42	0.15	0.6241	0.0148
CB7.3E	EVENNESS	Spring2	AP	0.58	0.01	25.86	0.15	0.9916	0.0014
CB7.3E	EVENNESS	Summer1	AP	0.47	0.01	34.04	0.16	0.2882	0.0012
CB7.3E	EVENNESS	Summer2	AP	0.47	0.01	34.04	0.16	0.1596	0.0077
CB7.3E	EVENNESS	Winter	AP	0.32	0.01	46.88	0.15	0.5307	0.0884
CB7.3E	EVENNESS	Annual	BP	0.50	0.01	32.00	0.16	0.3315	<0.0001
CB7.3E	EVENNESS	Fall	BP	0.46	0.01	34.78	0.16	0.5106	0.0001
CB7.3E	EVENNESS	SAV1	BP	0.47	0.01	34.04	0.16	0.6658	<0.0001
CB7.3E	EVENNESS	SAV2	BP	0.50	0.01	32.00	0.16	0.3631	0.0002
CB7.3E	EVENNESS	Spring1	BP	0.49	0.01	30.61	0.15	0.9491	0.0263
CB7.3E	EVENNESS	Spring2	BP	0.46	0.01	32.61	0.15	0.4225	0.0008
CB7.3E	EVENNESS	Summer1	BP	0.52	0.01	30.77	0.16	0.1329	0.0165
CB7.3E	EVENNESS	Summer2	BP	0.55	0.00	0.00	0.00	0.4520	0.2536
CB7.3E	EVENNESS	Winter	BP	0.36	0.00	0.00	0.00	0.0890	0.2512
CB7.4	TOTABUND	Annual	AP	2267717	121871	85.99	1949929	0.9138	0.0006
CB7.4	TOTABUND	Fall	AP	1957014	122178	99.89	1954849	0.9977	0.0254
CB7.4	TOTABUND	SAV1	AP	2169684	139579	102.93	2233257	0.6149	0.0090
CB7.4	TOTABUND	SAV2	AP	2178112	122226	89.78	1955610	0.6440	0.0114
CB7.4	TOTABUND	Spring1	AP	5884170	83257	21.22	1248859	0.5540	0.4065
CB7.4	TOTABUND	Spring2	AP	1346692	81695	90.99	1225418	0.5626	0.3487
CB7.4	TOTABUND	Summer1	AP	2178112	146154	107.36	2338467	0.4493	0.0355
CB7.4	TOTABUND	Summer2	AP	2267717	176577	124.59	2825237	0.3147	0.0364
CB7.4	TOTABUND	Winter	AP	2613150	123811	71.07	1857160	0.4895	0.1027
CB7.4	TOTABUND	Annual	BP	2073701	96024	74.09	1536384	0.5412	0.0023
CB7.4	TOTABUND	Fall	BP	1973233	128378	104.10	2054043	0.8139	0.0077
CB7.4	TOTABUND	SAV1	BP	2641756	92750	56.17	1483995	0.3662	0.0344
CB7.4	TOTABUND	SAV2	BP	1963499	103084	84.00	1649337	0.4741	0.0125
CB7.4	TOTABUND	Spring1	BP	5459439	-13229	-3.63	-198434	0.8799	0.8935

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB7.4	TOTABUND	Spring2	BP	3399953	40192	17.73	602880	0.2327	0.4375
CB7.4	TOTABUND	Summer1	BP	1626258	165414	162.74	2646620	0.6629	0.0048
CB7.4	TOTABUND	Summer2	BP	1794878	169627	151.21	2714027	0.4993	0.0254
CB7.4	TOTABUND	Winter	BP	4511375	1508	0.50	22626	0.3678	0.9734
CB7.4	TOTBMASS	Annual	AP	144334833	8893272	98.58	142292360	0.3489	0.0119
CB7.4	TOTBMASS	Fall	AP	116554068	10155532	139.41	162488515	0.0903	0.0512
CB7.4	TOTBMASS	SAV1	AP	167857098	6519141	62.14	104306254	0.1680	0.1943
CB7.4	TOTBMASS	SAV2	AP	165136167	3945536	38.23	63128583	0.4975	0.3037
CB7.4	TOTBMASS	Spring1	AP	238991656	-2002389	-12.57	-30035838	0.7191	0.8096
CB7.4	TOTBMASS	Spring2	AP	67453397	240357	5.34	3605360	0.7803	0.9786
CB7.4	TOTBMASS	Summer1	AP	148958855	11583080	124.42	185329275	0.4144	0.1010
CB7.4	TOTBMASS	Summer2	AP	157047511	14898737	151.79	238379798	0.3687	0.0636
CB7.4	TOTBMASS	Winter	AP	189883418	19414363	153.37	291215450	0.3378	0.1027
CB7.4	TOTBMASS	Annual	BP	184540066	6391892	55.42	102270267	0.3245	0.0181
CB7.4	TOTBMASS	Fall	BP	160295913	11360283	113.39	181764530	0.2152	0.0784
CB7.4	TOTBMASS	SAV1	BP	249793166	3799244	24.34	60787904	0.4038	0.4236
CB7.4	TOTBMASS	SAV2	BP	161714544	4421446	43.75	70743139	0.2147	0.0807
CB7.4	TOTBMASS	Spring1	BP	340227198	-6260998	-27.60	-93914969	0.6481	0.6110
CB7.4	TOTBMASS	Spring2	BP	298081160	2997690	15.08	44965356	0.0668	0.6110
CB7.4	TOTBMASS	Summer1	BP	143948322	12346215	137.23	197539443	0.7320	0.0032
CB7.4	TOTBMASS	Summer2	BP	147620215	10908840	118.24	174541432	0.7106	0.0287
CB7.4	TOTBMASS	Winter	BP	241628372	-1813491	-11.26	-27202359	0.9114	0.8157
CB7.4	RATIO	Annual	AP	57.78	0.47	13.01	7.52	0.3650	0.4659
CB7.4	RATIO	Fall	AP	49.67	2.14	68.93	34.24	0.0483	0.0784
CB7.4	RATIO	SAV1	AP	55.22	0.27	7.82	4.32	0.5974	0.8449
CB7.4	RATIO	SAV2	AP	68.87	-0.42	-9.76	-6.72	0.8779	0.5033
CB7.4	RATIO	Spring1	AP	55.08	-1.00	-27.23	-15.00	0.8265	0.5739
CB7.4	RATIO	Spring2	AP	51.61	-1.00	-29.06	-15.00	0.7555	0.4065
CB7.4	RATIO	Summer1	AP	75.55	-0.21	-4.45	-3.36	0.6560	0.8664
CB7.4	RATIO	Summer2	AP	75.62	0.25	5.29	4.00	0.6246	0.8120
CB7.4	RATIO	Winter	AP	74.24	0.59	11.92	8.85	0.3780	0.6651
CB7.4	RATIO	Annual	BP	75.70	-0.39	-8.24	-6.24	0.4943	0.5296
CB7.4	RATIO	Fall	BP	71.28	-0.12	-2.69	-1.92	0.0662	1.0000
CB7.4	RATIO	SAV1	BP	76.61	-2.21	-46.16	-35.36	0.8243	0.0445
CB7.4	RATIO	SAV2	BP	82.55	-0.92	-17.83	-14.72	0.4643	0.2600
CB7.4	RATIO	Spring1	BP	76.61	-3.12	-61.09	-46.80	0.7430	0.0916
CB7.4	RATIO	Spring2	BP	41.64	-0.64	-23.05	-9.60	0.1576	0.6490
CB7.4	RATIO	Summer1	BP	91.22	0.22	3.86	3.52	0.6791	0.7684
CB7.4	RATIO	Summer2	BP	108.59	-0.33	-4.86	-5.28	0.9155	0.7753
CB7.4	RATIO	Winter	BP	70.95	-0.14	-2.96	-2.10	0.5265	0.9734
CB7.4	MARGALEF	Annual	AP	3.01	-0.02	-10.63	-0.32	0.9690	0.0077
CB7.4	MARGALEF	Fall	AP	3.18	-0.02	-10.06	-0.32	0.5344	0.1678
CB7.4	MARGALEF	SAV1	AP	2.86	-0.02	-11.19	-0.32	0.8392	0.0846
CB7.4	MARGALEF	SAV2	AP	3.20	-0.03	-15.00	-0.48	0.8594	0.0164
CB7.4	MARGALEF	Spring1	AP	2.86	-0.02	-10.49	-0.30	0.6792	0.2964
CB7.4	MARGALEF	Spring2	AP	2.98	-0.03	-15.10	-0.45	0.6459	0.0573
CB7.4	MARGALEF	Summer1	AP	3.29	-0.02	-9.73	-0.32	0.6866	0.1300
CB7.4	MARGALEF	Summer2	AP	3.33	-0.01	-4.80	-0.16	0.7674	0.3919
CB7.4	MARGALEF	Winter	AP	2.47	-0.04	-24.29	-0.60	0.5693	0.1521
CB7.4	MARGALEF	Annual	BP	3.10	-0.01	-5.16	-0.16	0.0971	0.0702
CB7.4	MARGALEF	Fall	BP	2.47	0.01	6.48	0.16	0.1724	0.7753
CB7.4	MARGALEF	SAV1	BP	3.28	-0.03	-14.63	-0.48	0.5358	0.0090
CB7.4	MARGALEF	SAV2	BP	3.28	-0.03	-14.63	-0.48	0.1628	0.0035
CB7.4	MARGALEF	Spring1	BP	3.33	-0.03	-13.51	-0.45	0.7507	0.0229
CB7.4	MARGALEF	Spring2	BP	3.36	-0.03	-13.39	-0.45	0.9780	0.0068
CB7.4	MARGALEF	Summer1	BP	3.28	-0.02	-9.76	-0.32	0.0404	0.1010

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB7.4	MARGALEF	Summer2	BP	3.23	-0.02	-9.91	-0.32	0.0203	0.2740
CB7.4	MARGALEF	Winter	BP	2.89	0.00	0.00	0.00	0.6085	0.8157
CB7.4	DIATOM	Annual	AP	1325235	90595	109.38	1449521	0.2537	0.0006
CB7.4	DIATOM	Fall	AP	856720	98231	183.46	1571703	0.5850	0.0027
CB7.4	DIATOM	SAV1	AP	1040970	93270	143.36	1492320	0.1007	0.0135
CB7.4	DIATOM	SAV2	AP	1601906	90887	90.78	1454199	0.1824	0.0179
CB7.4	DIATOM	Spring1	AP	4153398	1400	0.51	20997	0.2645	0.9786
CB7.4	DIATOM	Spring2	AP	1048563	3954	5.66	59310	0.2774	0.8935
CB7.4	DIATOM	Summer1	AP	1601906	114388	114.25	1830200	0.1663	0.0147
CB7.4	DIATOM	Summer2	AP	1617603	149325	147.70	2389197	0.2366	0.0050
CB7.4	DIATOM	Winter	AP	2405160	68958	43.01	1034374	0.6488	0.3342
CB7.4	DIATOM	Annual	BP	1411118	69940	79.30	1119048	0.2348	0.0003
CB7.4	DIATOM	Fall	BP	1189858	109512	147.26	1752198	0.9218	0.0004
CB7.4	DIATOM	SAV1	BP	1567867	76344	77.91	1221507	0.0672	0.0099
CB7.4	DIATOM	SAV2	BP	1313331	60190	73.33	963033	0.1078	0.0104
CB7.4	DIATOM	Spring1	BP	4180143	-17147	-6.15	-257208	0.3501	0.7684
CB7.4	DIATOM	Spring2	BP	2360765	-9249	-5.88	-138738	0.2800	0.8513
CB7.4	DIATOM	Summer1	BP	1312813	79696	97.13	1275143	0.5913	0.0042
CB7.4	DIATOM	Summer2	BP	1313072	82835	100.94	1325360	0.4018	0.0089
CB7.4	DIATOM	Winter	BP	3649876	11019	4.53	165290	0.5819	0.7141
CB7.4	DIATOM_C	Annual	AP	105674717	7375191	111.67	118003053	0.1824	0.0011
CB7.4	DIATOM_C	Fall	AP	64732251	10815386	267.33	173046170	0.2293	0.0043
CB7.4	DIATOM_C	SAV1	AP	103280703	9287705	143.88	148603280	0.0657	0.0409
CB7.4	DIATOM_C	SAV2	AP	120360826	5369141	71.37	85906259	0.3028	0.0446
CB7.4	DIATOM_C	Spring1	AP	182169765	-1270115	-10.46	-19051730	0.4114	0.7684
CB7.4	DIATOM_C	Spring2	AP	39010979	1625475	62.50	24382132	0.5621	0.8935
CB7.4	DIATOM_C	Summer1	AP	103280703	6564796	101.70	105036742	0.1979	0.0207
CB7.4	DIATOM_C	Summer2	AP	111820764	10633146	152.15	170130334	0.2620	0.0077
CB7.4	DIATOM_C	Winter	AP	158903488	10040335	94.78	150605021	0.4816	0.1721
CB7.4	DIATOM_C	Annual	BP	160268358	8258162	82.44	132130597	0.2452	0.0009
CB7.4	DIATOM_C	Fall	BP	129697696	12900211	159.14	206403373	0.2293	0.0043
CB7.4	DIATOM_C	SAV1	BP	212301905	6622568	49.91	105961090	0.1899	0.0982
CB7.4	DIATOM_C	SAV2	BP	126485967	6469485	81.84	103511753	0.2607	0.0213
CB7.4	DIATOM_C	Spring1	BP	264239337	-4679637	-26.56	-70194561	0.9662	0.6110
CB7.4	DIATOM_C	Spring2	BP	231925156	4301786	27.82	64526793	0.1298	0.4375
CB7.4	DIATOM_C	Summer1	BP	112799668	10305866	146.18	164893856	0.5506	0.0016
CB7.4	DIATOM_C	Summer2	BP	119642817	8902294	119.05	142436709	0.4073	0.0134
CB7.4	DIATOM_C	Winter	BP	195981665	3180160	24.34	47702402	0.7480	0.6651
CB7.4	DINOFLG	Annual	AP	41636	3494	134.26	55902	0.6300	0.0528
CB7.4	DINOFLG	Fall	AP	83908	-1131	-21.56	-18094	0.4055	0.7753
CB7.4	DINOFLG	SAV1	AP	82640	3499	67.75	55985	0.3472	0.1601
CB7.4	DINOFLG	SAV2	AP	45228	3724	131.76	59592	0.2674	0.1133
CB7.4	DINOFLG	Spring1	AP	82640	5186	94.13	77792	0.3917	0.1895
CB7.4	DINOFLG	Spring2	AP	45228	5149	170.76	77231	0.3834	0.1721
CB7.4	DINOFLG	Summer1	AP	38045	5621	236.41	89940	0.5073	0.0435
CB7.4	DINOFLG	Summer2	AP	35839	4118	183.86	65892	0.3133	0.0868
CB7.4	DINOFLG	Winter	AP	26257	2677	152.94	40159	0.5477	0.4843
CB7.4	DINOFLG	Annual	BP	49612	-362	-11.66	-5787	0.0751	0.7342
CB7.4	DINOFLG	Fall	BP	43506	-937	-34.46	-14993	0.2550	0.4187
CB7.4	DINOFLG	SAV1	BP	66777	-1541	-36.93	-24659	0.5117	0.1262
CB7.4	DINOFLG	SAV2	BP	47284	-360	-12.17	-5755	0.0413	0.7440
CB7.4	DINOFLG	Spring1	BP	128211	-1051	-12.30	-15769	0.3624	0.7684
CB7.4	DINOFLG	Spring2	BP	126677	1648	19.51	24720	0.0250	0.4375
CB7.4	DINOFLG	Summer1	BP	43527	1324	48.65	21176	0.0614	0.3027
CB7.4	DINOFLG	Summer2	BP	45405	-144	-5.08	-2304	0.3303	0.8677
CB7.4	DINOFLG	Winter	BP	50919	-2807	-82.69	-42103	0.0796	0.3019

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB7.4	DINOFL_C	Annual	AP	19896541	736814	59.25	11789021	0.4820	0.0443
CB7.4	DINOFL_C	Fall	AP	15852750	132476	13.37	2119608	0.1195	0.7753
CB7.4	DINOFL_C	SAV1	AP	24451316	827004	54.12	13232070	0.1545	0.0526
CB7.4	DINOFL_C	SAV2	AP	19277011	581347	48.25	9301547	0.3714	0.3193
CB7.4	DINOFL_C	Spring1	AP	25722272	1197901	69.86	17968515	0.3796	0.0647
CB7.4	DINOFL_C	Spring2	AP	23229335	410956	26.54	6164338	0.8684	0.5739
CB7.4	DINOFL_C	Summer1	AP	17191469	1364294	126.97	21828706	0.4603	0.1197
CB7.4	DINOFL_C	Summer2	AP	15985856	1884201	188.59	30147223	0.4046	0.0784
CB7.4	DINOFL_C	Winter	AP	26825696	114663	6.41	1719944	0.9264	0.8678
CB7.4	DINOFL_C	Annual	BP	11937512	-141356	-18.95	-2261701	0.5657	0.4972
CB7.4	DINOFL_C	Fall	BP	6983332	-752159	-172.33	-12034550	0.1554	0.2740
CB7.4	DINOFL_C	SAV1	BP	23070971	-794349	-55.09	-12709577	0.4160	0.0670
CB7.4	DINOFL_C	SAV2	BP	21205374	-341411	-25.76	-5462576	0.3839	0.2087
CB7.4	DINOFL_C	Spring1	BP	47242044	-358568	-11.39	-5378517	0.2578	0.5739
CB7.4	DINOFL_C	Spring2	BP	47242044	-415458	-13.19	-6231869	0.6521	0.2723
CB7.4	DINOFL_C	Summer1	BP	9790273	159459	26.06	2551346	0.6623	0.7365
CB7.4	DINOFL_C	Summer2	BP	11299793	164287	23.26	2628594	0.4540	0.7392
CB7.4	DINOFL_C	Winter	BP	25963841	-38644	-2.23	-579654	0.5224	0.9204
CB7.4	CYANO	Annual	AP	1283	461	574.88	7373	0.6148	<0.0001
CB7.4	CYANO	Fall	AP	0	1963	0.00	31414	0.5108	0.0087
CB7.4	CYANO	SAV1	AP	0	3660	0.00	58560	0.5340	<0.0001
CB7.4	CYANO	SAV2	AP	2341	1522	1040.07	24348	0.3182	0.0004
CB7.4	CYANO	Spring1	AP	0	1522	0.00	22827	0.5916	0.0629
CB7.4	CYANO	Spring2	AP	37696	2801	111.46	42015	0.7101	0.0373
CB7.4	CYANO	Summer1	AP	5874	7	1.96	115	0.1606	0.0315
CB7.4	CYANO	Summer2	AP	4107	33	12.88	529	0.0776	0.0488
CB7.4	CYANO	Winter	AP	6854	1792	392.18	26880	0.3397	0.0354
CB7.4	CYANO	Annual	BP	1512	176	186.24	2816	0.7024	<0.0001
CB7.4	CYANO	Fall	BP	648	4480	11061.73	71680	0.8449	0.0001
CB7.4	CYANO	SAV1	BP	1296	1237	1527.57	19797	0.4965	0.0018
CB7.4	CYANO	SAV2	BP	1296	32	39.51	512	0.8857	0.0115
CB7.4	CYANO	Spring1	BP	8295	128	23.15	1920	0.4080	0.1425
CB7.4	CYANO	Spring2	BP	1728	16	13.89	240	0.5874	0.2236
CB7.4	CYANO	Summer1	BP	64	27	666.75	427	0.8916	0.0371
CB7.4	CYANO	Summer2	BP	3383	21	9.81	332	0.8568	0.1207
CB7.4	CYANO	Winter	BP	25131	0	0.00	0	0.2162	0.0663
CB7.4	CYANO_C	Annual	AP	15299	3716	388.58	59450	0.7759	<0.0001
CB7.4	CYANO_C	Fall	AP	0	9328	0.00	149248	0.6557	0.0087
CB7.4	CYANO_C	SAV1	AP	0	21914	0.00	350628	0.5705	0.0001
CB7.4	CYANO_C	SAV2	AP	31344	8897	454.16	142353	0.4333	0.0002
CB7.4	CYANO_C	Spring1	AP	0	4057	0.00	60848	0.6387	0.0712
CB7.4	CYANO_C	Spring2	AP	56544	22075	585.59	331118	0.8135	0.0212
CB7.4	CYANO_C	Summer1	AP	31413	1015	51.71	16244	0.1930	0.0149
CB7.4	CYANO_C	Summer2	AP	31379	1015	51.77	16244	0.0955	0.0410
CB7.4	CYANO_C	Winter	AP	10281	6273	915.23	94095	0.5622	0.0327
CB7.4	CYANO_C	Annual	BP	10782	2645	392.43	42312	0.7089	<0.0001
CB7.4	CYANO_C	Fall	BP	4925	22718	7380.73	363486	0.7642	<0.0001
CB7.4	CYANO_C	SAV1	BP	9850	10084	1638.12	161348	0.3386	0.0009
CB7.4	CYANO_C	SAV2	BP	9850	1020	165.62	16313	0.8693	0.0064
CB7.4	CYANO_C	Spring1	BP	254061	1960	11.57	29405	0.6777	0.1428
CB7.4	CYANO_C	Spring2	BP	5388	1105	307.72	16582	0.5876	0.1217
CB7.4	CYANO_C	Summer1	BP	11715	837	114.25	13384	0.8211	0.0371
CB7.4	CYANO_C	Summer2	BP	13168	203	24.62	3243	0.8577	0.1463
CB7.4	CYANO_C	Winter	BP	37696	0	0.00	0	0.2749	0.0663
CB7.4	CHLORO	Annual	AP	1165	932	1280.12	14910	0.7829	<0.0001
CB7.4	CHLORO	Fall	AP	4203	1415	538.85	22648	0.6379	0.0055

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB7.4	CHLORO	SAV1	AP	8294	1008	194.41	16125	0.9671	0.0042
CB7.4	CHLORO	SAV2	AP	7354	771	167.71	12333	0.8598	0.0147
CB7.4	CHLORO	Spring1	AP	0	144	0.00	2160	0.9603	0.0600
CB7.4	CHLORO	Spring2	AP	3590	1920	802.23	28800	0.9788	0.0741
CB7.4	CHLORO	Summer1	AP	3590	476	212.17	7617	0.4715	0.0684
CB7.4	CHLORO	Summer2	AP	5216	60	18.40	960	0.2899	0.1379
CB7.4	CHLORO	Winter	AP	96	1051	16420.94	15764	0.1385	0.0092
CB7.4	CHLORO	Annual	BP	3165	459	231.91	7339	0.5634	0.0001
CB7.4	CHLORO	Fall	BP	0	1190	0.00	19032	0.4651	0.0010
CB7.4	CHLORO	SAV1	BP	3770	251	106.37	4010	0.5777	0.0035
CB7.4	CHLORO	SAV2	BP	3175	239	120.44	3824	0.8163	0.0044
CB7.4	CHLORO	Spring1	BP	8295	469	84.72	7028	0.8050	0.1874
CB7.4	CHLORO	Spring2	BP	8	4408	826520.62	66122	0.4607	0.0079
CB7.4	CHLORO	Summer1	BP	3770	891	378.32	14263	0.4120	0.0283
CB7.4	CHLORO	Summer2	BP	4255	0	0.00	0	0.8823	0.2602
CB7.4	CHLORO	Winter	BP	33178	0	0.00	0	0.1363	0.3699
CB7.4	CHLORO_C	Annual	AP	29864	17824	954.91	285176	0.7242	<0.0001
CB7.4	CHLORO_C	Fall	AP	95404	33113	555.34	529810	0.4056	0.0064
CB7.4	CHLORO_C	SAV1	AP	186615	11611	99.55	185771	0.9376	0.0082
CB7.4	CHLORO_C	SAV2	AP	166196	11611	111.78	185771	0.8289	0.0297
CB7.4	CHLORO_C	Spring1	AP	0	1940	0.00	29096	0.9709	0.0679
CB7.4	CHLORO_C	Spring2	AP	80775	32408	601.82	486123	0.9993	0.0934
CB7.4	CHLORO_C	Summer1	AP	80775	11900	235.71	190394	0.4405	0.0903
CB7.4	CHLORO_C	Summer2	AP	117725	1979	26.89	31659	0.2637	0.1656
CB7.4	CHLORO_C	Winter	AP	5452	20855	5738.03	312828	0.1769	0.0137
CB7.4	CHLORO_C	Annual	BP	71019	25273	569.37	404362	0.4284	<0.0001
CB7.4	CHLORO_C	Fall	BP	0	28008	0.00	448128	0.5625	0.0024
CB7.4	CHLORO_C	SAV1	BP	84825	20302	382.94	324828	0.7976	0.0024
CB7.4	CHLORO_C	SAV2	BP	71438	29069	651.06	465100	0.5128	0.0018
CB7.4	CHLORO_C	Spring1	BP	186626	42280	339.82	634201	0.9397	0.1125
CB7.4	CHLORO_C	Spring2	BP	91	101603	1668167.63	1524038	0.2341	0.0020
CB7.4	CHLORO_C	Summer1	BP	84825	39527	745.57	632432	0.1593	0.0126
CB7.4	CHLORO_C	Summer2	BP	95732	0	0.00	0	0.7806	0.2602
CB7.4	CHLORO_C	Winter	BP	746494	0	0.00	0	0.1026	0.4480
CB7.4	CRYPTO	Annual	AP	407485	6714	26.36	107426	0.1807	0.2909
CB7.4	CRYPTO	Fall	AP	618777	-8610	-22.26	-137755	0.2888	0.3919
CB7.4	CRYPTO	SAV1	AP	485351	3371	11.11	53936	0.9806	0.7897
CB7.4	CRYPTO	SAV2	AP	331776	3371	16.26	53936	0.9869	0.7814
CB7.4	CRYPTO	Spring1	AP	485351	3371	10.42	50565	0.8830	0.8096
CB7.4	CRYPTO	Spring2	AP	483194	4485	13.92	67273	0.8118	0.7278
CB7.4	CRYPTO	Summer1	AP	316611	2716	13.72	43452	0.8783	0.8996
CB7.4	CRYPTO	Summer2	AP	317508	-2951	-14.87	-47220	0.9386	0.8120
CB7.4	CRYPTO	Winter	AP	149283	39974	401.66	599609	0.7373	0.0005
CB7.4	CRYPTO	Annual	BP	357755	8567	38.31	137064	0.3558	0.0576
CB7.4	CRYPTO	Fall	BP	424614	-1562	-5.88	-24984	0.1879	0.8120
CB7.4	CRYPTO	SAV1	BP	286157	8916	49.85	142654	0.6169	0.2626
CB7.4	CRYPTO	SAV2	BP	286157	11840	66.20	189439	0.6760	0.0082
CB7.4	CRYPTO	Spring1	BP	543056	3487	9.63	52308	0.6711	0.7278
CB7.4	CRYPTO	Spring2	BP	543056	11840	32.70	177599	0.1953	0.2840
CB7.4	CRYPTO	Summer1	BP	286157	13681	76.49	218895	0.9223	0.0045
CB7.4	CRYPTO	Summer2	BP	261694	10232	62.56	163714	0.9932	0.0323
CB7.4	CRYPTO	Winter	BP	598682	7195	18.03	107927	0.1212	0.6651
CB7.4	CRYPTO_C	Annual	AP	9783715	161206	26.36	2579292	0.1807	0.2909
CB7.4	CRYPTO_C	Fall	AP	14856824	-206718	-22.26	-3307495	0.2888	0.3919
CB7.4	CRYPTO_C	SAV1	AP	11653266	73363	10.07	1173811	0.9806	0.7897
CB7.4	CRYPTO_C	SAV2	AP	7965942	73363	14.74	1173811	0.9869	0.7814

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB7.4	CRYPTO_C	Spring1	AP	11653266	73363	9.44	1100447	0.8830	0.8096
CB7.4	CRYPTO_C	Spring2	AP	11601488	106503	13.77	1597544	0.8118	0.7278
CB7.4	CRYPTO_C	Summer1	AP	7601830	65205	13.72	1043285	0.8783	0.8996
CB7.4	CRYPTO_C	Summer2	AP	7623373	-70860	-14.87	-1133763	0.9386	0.8120
CB7.4	CRYPTO_C	Winter	AP	3584273	959774	401.66	14396606	0.7373	0.0005
CB7.4	CRYPTO_C	Annual	BP	8589704	202909	37.80	3246536	0.3869	0.0762
CB7.4	CRYPTO_C	Fall	BP	10194976	-37492	-5.88	-599866	0.1879	0.8120
CB7.4	CRYPTO_C	SAV1	BP	6870630	214070	49.85	3425128	0.6259	0.2781
CB7.4	CRYPTO_C	SAV2	BP	6870630	284929	66.35	4558860	0.6864	0.0119
CB7.4	CRYPTO_C	Spring1	BP	13038775	83728	9.63	1255915	0.7070	0.7684
CB7.4	CRYPTO_C	Spring2	BP	13038775	284277	32.70	4264160	0.1953	0.2840
CB7.4	CRYPTO_C	Summer1	BP	6870630	328479	76.49	5255669	0.8741	0.0076
CB7.4	CRYPTO_C	Summer2	BP	6283279	248794	63.35	3980710	0.9579	0.0512
CB7.4	CRYPTO_C	Winter	BP	14374343	172755	18.03	2591327	0.1212	0.6651
CB7.4	PROCARY	Annual	AP	0.00	0.00	0.00	0.00	0.7576	<0.0001
CB7.4	PROCARY	Fall	AP	0.00	0.00	0.00	0.00	0.3857	0.0115
CB7.4	PROCARY	SAV1	AP	0.00	0.00	0.00	0.00	0.7713	0.0001
CB7.4	PROCARY	SAV2	AP	0.00	0.00	0.00	0.00	0.6220	0.0005
CB7.4	PROCARY	Spring1	AP	0.00	0.00	0.00	0.00	0.6947	0.0629
CB7.4	PROCARY	Spring2	AP	0.01	0.00	0.00	0.00	0.8779	0.0283
CB7.4	PROCARY	Summer1	AP	0.00	0.00	0.00	0.00	0.3886	0.0333
CB7.4	PROCARY	Summer2	AP	0.00	0.00	0.00	0.00	0.2209	0.0648
CB7.4	PROCARY	Winter	AP	0.00	0.00	0.00	0.00	0.2604	0.0327
CB7.4	PROCARY	Annual	BP	0.00	0.00	0.00	0.00	0.8439	<0.0001
CB7.4	PROCARY	Fall	BP	0.00	0.00	0.00	0.00	0.9067	0.0005
CB7.4	PROCARY	SAV1	BP	0.00	0.00	0.00	0.00	0.7763	0.0036
CB7.4	PROCARY	SAV2	BP	0.00	0.00	0.00	0.00	0.8835	0.0154
CB7.4	PROCARY	Spring1	BP	0.00	0.00	0.00	0.00	0.5818	0.1155
CB7.4	PROCARY	Spring2	BP	0.00	0.00	0.00	0.00	0.6760	0.1507
CB7.4	PROCARY	Summer1	BP	0.00	0.00	0.00	0.00	0.7374	0.0686
CB7.4	PROCARY	Summer2	BP	0.00	0.00	0.00	0.00	0.6798	0.2092
CB7.4	PROCARY	Winter	BP	0.01	0.00	0.00	0.00	0.2427	0.0776
CB7.4	PROCAR_C	Annual	AP	0.00	0.00	0.00	0.00	0.7888	<0.0001
CB7.4	PROCAR_C	Fall	AP	0.00	0.00	0.00	0.00	0.4052	0.0115
CB7.4	PROCAR_C	SAV1	AP	0.00	0.00	0.00	0.00	0.7534	0.0001
CB7.4	PROCAR_C	SAV2	AP	0.00	0.00	0.00	0.00	0.5928	0.0005
CB7.4	PROCAR_C	Spring1	AP	0.00	0.00	0.00	0.00	0.6470	0.0629
CB7.4	PROCAR_C	Spring2	AP	0.00	0.00	0.00	0.00	0.8423	0.0212
CB7.4	PROCAR_C	Summer1	AP	0.00	0.00	0.00	0.00	0.4165	0.0413
CB7.4	PROCAR_C	Summer2	AP	0.00	0.00	0.00	0.00	0.2508	0.0990
CB7.4	PROCAR_C	Winter	AP	0.00	0.00	0.00	0.00	0.3227	0.0327
CB7.4	PROCAR_C	Annual	BP	0.00	0.00	0.00	0.00	0.6246	<0.0001
CB7.4	PROCAR_C	Fall	BP	0.00	0.00	0.00	0.00	0.6440	<0.0001
CB7.4	PROCAR_C	SAV1	BP	0.00	0.00	0.00	0.00	0.3046	0.0010
CB7.4	PROCAR_C	SAV2	BP	0.00	0.00	0.00	0.00	0.8363	0.0154
CB7.4	PROCAR_C	Spring1	BP	0.00	0.00	0.00	0.00	0.7361	0.0925
CB7.4	PROCAR_C	Spring2	BP	0.00	0.00	0.00	0.00	0.6086	0.0682
CB7.4	PROCAR_C	Summer1	BP	0.00	0.00	0.00	0.00	0.6376	0.1093
CB7.4	PROCAR_C	Summer2	BP	0.00	0.00	0.00	0.00	0.8373	0.3888
CB7.4	PROCAR_C	Winter	BP	0.00	0.00	0.00	0.00	0.2492	0.0401
CB7.4	COCCO	Annual	AP	0	0	0.00	0	0.3552	0.2965
CB7.4	COCCO	Fall	AP	0	0	0.00	0	0.5922	0.6268
CB7.4	COCCO	SAV1	AP	0	0	0.00	0	0.6837	0.1882
CB7.4	COCCO	SAV2	AP	0	0	0.00	0	0.7150	0.1208
CB7.4	COCCO	Spring1	AP	0	0	0.00	0	0.8267	0.4390
CB7.4	COCCO	Spring2	AP	0	0	0.00	0	0.6995	0.6834

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB7.4	COCCO	Summer1	AP	0	0	0.00	0	0.3540	0.1131
CB7.4	COCCO	Summer2	AP	0	0	0.00	0	0.4894	0.0437
CB7.4	COCCO	Winter	AP	0	0	0.00	0	0.0611	0.9479
CB7.4	COCCO	Annual	BP	0	0	0.00	0	0.4017	0.4427
CB7.4	COCCO	Fall	BP	0	0	0.00	0	0.6754	0.1484
CB7.4	COCCO	SAV1	BP	0	0	0.00	0	0.6973	0.1822
CB7.4	COCCO	SAV2	BP	0	0	0.00	0	0.4984	0.6923
CB7.4	COCCO	Spring1	BP	0	0	0.00	0		0.2713
CB7.4	COCCO	Spring2	BP	0	0	0.00	0	0.2000	0.8172
CB7.4	COCCO	Summer1	BP	0	0	0.00	0	0.6915	0.5614
CB7.4	COCCO	Summer2	BP	0	0	0.00	0	0.4551	0.7619
CB7.4	COCCO	Winter	BP	0	0	0.00	0	0.0478	0.9369
CB7.4	COCCO_C	Annual	AP	0	0	0.00	0	0.3528	0.2857
CB7.4	COCCO_C	Fall	AP	0	0	0.00	0	0.5922	0.6268
CB7.4	COCCO_C	SAV1	AP	0	0	0.00	0	0.6871	0.1776
CB7.4	COCCO_C	SAV2	AP	0	0	0.00	0	0.7174	0.1145
CB7.4	COCCO_C	Spring1	AP	0	0	0.00	0	0.8617	0.4078
CB7.4	COCCO_C	Spring2	AP	0	0	0.00	0	0.6907	0.6508
CB7.4	COCCO_C	Summer1	AP	0	0	0.00	0	0.3540	0.1131
CB7.4	COCCO_C	Summer2	AP	0	0	0.00	0	0.4894	0.0437
CB7.4	COCCO_C	Winter	AP	0	0	0.00	0	0.0611	0.9479
CB7.4	COCCO_C	Annual	BP	0	0	0.00	0	0.4017	0.4427
CB7.4	COCCO_C	Fall	BP	0	0	0.00	0	0.6754	0.1484
CB7.4	COCCO_C	SAV1	BP	0	0	0.00	0	0.6973	0.1822
CB7.4	COCCO_C	SAV2	BP	0	0	0.00	0	0.4984	0.6923
CB7.4	COCCO_C	Spring1	BP	0	0	0.00	0		0.2713
CB7.4	COCCO_C	Spring2	BP	0	0	0.00	0	0.2000	0.8172
CB7.4	COCCO_C	Summer1	BP	0	0	0.00	0	0.6915	0.5614
CB7.4	COCCO_C	Summer2	BP	0	0	0.00	0	0.4551	0.7619
CB7.4	COCCO_C	Winter	BP	0	0	0.00	0	0.0478	0.9369
CB7.4	EUGLENO	Annual	BP	344	0	0.00	0	0.4571	<0.0001
CB7.4	EUGLENO	Fall	BP	0	0	0.00	0	0.1898	0.2791
CB7.4	EUGLENO	SAV1	BP	0	0	0.00	0	0.1296	0.0010
CB7.4	EUGLENO	SAV2	BP	2963	0	0.00	0	0.8222	<0.0001
CB7.4	EUGLENO	Spring1	BP	6383	0	0.00	0	0.2447	0.0069
CB7.4	EUGLENO	Spring2	BP	6383	0	0.00	0	0.3408	0.0076
CB7.4	EUGLENO	Summer1	BP	672	0	0.00	0	0.5814	0.0066
CB7.4	EUGLENO	Summer2	BP	1817	0	0.00	0	0.7014	0.0040
CB7.4	EUGLENO	Winter	BP	8295	0	0.00	0	0.2130	0.0730
CB7.4	EUGLEN_C	Annual	BP	75027	0	0.00	0	0.5408	<0.0001
CB7.4	EUGLEN_C	Fall	BP	0	0	0.00	0	0.2475	0.2797
CB7.4	EUGLEN_C	SAV1	BP	0	0	0.00	0	0.1713	0.0011
CB7.4	EUGLEN_C	SAV2	BP	516836	0	0.00	0	0.8178	<0.0001
CB7.4	EUGLEN_C	Spring1	BP	2148607	0	0.00	0	0.2512	0.0063
CB7.4	EUGLEN_C	Spring2	BP	2148607	0	0.00	0	0.3112	0.0084
CB7.4	EUGLEN_C	Summer1	BP	137193	0	0.00	0	0.5789	0.0083
CB7.4	EUGLEN_C	Summer2	BP	327015	0	0.00	0	0.7535	0.0045
CB7.4	EUGLEN_C	Winter	BP	628225	0	0.00	0	0.2684	0.1158
CB7.4	PICO	Annual	AP	51000000	-110225	-2.59	-1322700	0.4193	0.5157
CB7.4	PICO	Fall	AP	42700000	-43142	-1.21	-517700	0.4453	0.9438
CB7.4	PICO	SAV1	AP	51000000	-247440	-5.82	-2969280	0.5752	0.4068
CB7.4	PICO	SAV2	AP	126050000	744467	7.09	8933600	0.2512	0.5664
CB7.4	PICO	Spring1	AP	24850000	-695000	-33.56	-8340000	0.8803	0.0915
CB7.4	PICO	Spring2	AP	156000000	-2024502	-15.57	-24294022	0.9242	0.1085
CB7.4	PICO	Summer1	AP	489000000	6265500	15.38	75186000	0.1657	0.3668
CB7.4	PICO	Summer2	AP	432500000	10136546	28.12	121638546	0.5169	0.0930

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB7.4	PICO	Winter	AP	8790000	-367500	-50.17	-4410000	0.5414	0.3282
CB7.4	PICO	Annual	BP	52200000	27036	0.62	324429	0.6871	0.9695
CB7.4	PICO	Fall	BP	30600000	1063610	41.71	12763325	0.6179	0.1807
CB7.4	PICO	SAV1	BP	52200000	-26487	-0.61	-317840	0.3041	0.9787
CB7.4	PICO	SAV2	BP	86125000	185333	2.58	2224000	0.4301	0.8615
CB7.4	PICO	Spring1	BP	52200000	-936503	-21.53	-11238038	0.8802	0.0915
CB7.4	PICO	Spring2	BP	177000000	-1431900	-9.71	-17182800	0.8578	0.1085
CB7.4	PICO	Summer1	BP	86125000	620250	8.64	7443000	0.6588	0.6518
CB7.4	PICO	Summer2	BP	85950000	1450417	20.25	17405000	0.7590	0.3808
CB7.4	PICO	Winter	BP	8430000	-128286	-18.26	-1539429	0.4551	0.6433
CB7.4	PICO_C	Annual	AP	76500000	-165338	-2.59	-1984050	0.4193	0.5157
CB7.4	PICO_C	Fall	AP	64050000	-64713	-1.21	-776550	0.4453	0.9438
CB7.4	PICO_C	SAV1	AP	76500000	-371160	-5.82	-4453920	0.5752	0.4068
CB7.4	PICO_C	SAV2	AP	189075000	1116700	7.09	13400400	0.2512	0.5664
CB7.4	PICO_C	Spring1	AP	37275000	-1042500	-33.56	-12510000	0.8803	0.0915
CB7.4	PICO_C	Spring2	AP	234000000	-3036753	-15.57	-36441032	0.9242	0.1085
CB7.4	PICO_C	Summer1	AP	733500000	9398250	15.38	112779000	0.1657	0.3668
CB7.4	PICO_C	Summer2	AP	648750000	15204818	28.12	182457818	0.5169	0.0930
CB7.4	PICO_C	Winter	AP	13185000	-551250	-50.17	-6615000	0.5414	0.3282
CB7.4	PICO_C	Annual	BP	78300000	40554	0.62	486643	0.6871	0.9695
CB7.4	PICO_C	Fall	BP	45900000	1595416	41.71	19144987	0.6179	0.1807
CB7.4	PICO_C	SAV1	BP	78300000	-39730	-0.61	-476760	0.3041	0.9787
CB7.4	PICO_C	SAV2	BP	129187500	278000	2.58	3336000	0.4301	0.8615
CB7.4	PICO_C	Spring1	BP	78300000	-1404755	-21.53	-16857056	0.8802	0.0915
CB7.4	PICO_C	Spring2	BP	265500000	-2147850	-9.71	-25774200	0.8578	0.1085
CB7.4	PICO_C	Summer1	BP	129187500	930375	8.64	11164500	0.6588	0.6518
CB7.4	PICO_C	Summer2	BP	128925000	2175625	20.25	26107500	0.7590	0.3808
CB7.4	PICO_C	Winter	BP	12645000	-192429	-18.26	-2309143	0.4551	0.6433
CB7.4	N_SP	Annual	AP	44.50	-0.20	-7.19	-3.20	0.8745	0.1148
CB7.4	N_SP	Fall	AP	48.25	-0.22	-7.30	-3.52	0.4177	0.3522
CB7.4	N_SP	SAV1	AP	43.00	-0.12	-4.47	-1.92	0.6372	0.5090
CB7.4	N_SP	SAV2	AP	48.50	-0.25	-8.25	-4.00	0.5830	0.1317
CB7.4	N_SP	Spring1	AP	42.00	-0.04	-1.43	-0.60	0.8124	0.7265
CB7.4	N_SP	Spring2	AP	43.00	-0.33	-11.51	-4.95	0.5728	0.2157
CB7.4	N_SP	Summer1	AP	48.50	-0.20	-6.60	-3.20	0.3581	0.3989
CB7.4	N_SP	Summer2	AP	49.25	-0.05	-1.62	-0.80	0.3893	0.8487
CB7.4	N_SP	Winter	AP	37.50	-0.29	-11.60	-4.35	0.6734	0.2702
CB7.4	N_SP	Annual	BP	45.25	-0.17	-6.01	-2.72	0.1933	0.1928
CB7.4	N_SP	Fall	BP	37.50	0.22	9.39	3.52	0.2302	0.5836
CB7.4	N_SP	SAV1	BP	48.50	-0.38	-12.54	-6.08	0.4789	0.0232
CB7.4	N_SP	SAV2	BP	48.50	-0.33	-10.89	-5.28	0.2346	0.0257
CB7.4	N_SP	Spring1	BP	49.50	-0.50	-15.15	-7.50	0.8571	0.0110
CB7.4	N_SP	Spring2	BP	49.50	-0.50	-15.15	-7.50	0.9302	0.0075
CB7.4	N_SP	Summer1	BP	48.50	-0.16	-5.28	-2.56	0.1199	0.4109
CB7.4	N_SP	Summer2	BP	47.50	-0.04	-1.35	-0.64	0.0860	0.7931
CB7.4	N_SP	Winter	BP	45.00	0.00	0.00	0.00	0.9622	0.8131
CB7.4	N_GENERA	Annual	AP	34.50	0.00	0.00	0.00	0.9580	0.6404
CB7.4	N_GENERA	Fall	AP	35.50	0.07	3.15	1.12	0.6788	0.5821
CB7.4	N_GENERA	SAV1	AP	33.50	0.00	0.00	0.00	0.9226	0.9431
CB7.4	N_GENERA	SAV2	AP	35.00	-0.05	-2.29	-0.80	0.9603	0.5014
CB7.4	N_GENERA	Spring1	AP	33.50	0.00	0.00	0.00	0.4962	0.9358
CB7.4	N_GENERA	Spring2	AP	33.00	-0.17	-7.73	-2.55	0.5514	0.5019
CB7.4	N_GENERA	Summer1	AP	36.50	-0.06	-2.63	-0.96	0.9539	0.5542
CB7.4	N_GENERA	Summer2	AP	36.75	-0.02	-0.87	-0.32	0.9108	0.7381
CB7.4	N_GENERA	Winter	AP	30.50	-0.20	-9.84	-3.00	0.4944	0.3325
CB7.4	N_GENERA	Annual	BP	35.25	0.00	0.00	0.00	0.2079	0.8993

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	Percent Change	Absolute Change	Homogeneity Test p Value	p Value
CB7.4	N_GENERA	Fall	BP	32.75	0.15	7.33	2.40	0.1390	0.4435
CB7.4	N_GENERA	SAV1	BP	38.00	-0.15	-6.32	-2.40	0.4152	0.3436
CB7.4	N_GENERA	SAV2	BP	35.50	-0.08	-3.61	-1.28	0.1399	0.4025
CB7.4	N_GENERA	Spring1	BP	38.00	-0.25	-9.87	-3.75	0.7554	0.3330
CB7.4	N_GENERA	Spring2	BP	38.00	-0.25	-9.87	-3.75	0.8017	0.1778
CB7.4	N_GENERA	Summer1	BP	35.50	0.00	0.00	0.00	0.0542	0.8824
CB7.4	N_GENERA	Summer2	BP	35.00	0.13	5.94	2.08	0.0407	0.5193
CB7.4	N_GENERA	Winter	BP	34.50	0.00	0.00	0.00	0.4031	0.8129
CB7.4	SHANNON	Annual	AP	2.43	0.04	26.34	0.64	0.9216	0.0001
CB7.4	SHANNON	Fall	AP	2.39	0.04	26.78	0.64	0.2366	0.0571
CB7.4	SHANNON	SAV1	AP	2.19	0.04	29.22	0.64	0.6292	0.0033
CB7.4	SHANNON	SAV2	AP	2.59	0.03	18.53	0.48	0.7528	0.0031
CB7.4	SHANNON	Spring1	AP	1.82	0.05	41.21	0.75	0.9037	0.0080
CB7.4	SHANNON	Spring2	AP	1.82	0.04	32.97	0.60	0.8368	0.0110
CB7.4	SHANNON	Summer1	AP	2.81	0.03	17.08	0.48	0.8446	0.0165
CB7.4	SHANNON	Summer2	AP	2.89	0.04	22.15	0.64	0.6823	0.0287
CB7.4	SHANNON	Winter	AP	1.99	0.01	7.54	0.15	0.6356	0.4051
CB7.4	SHANNON	Annual	BP	2.82	0.03	17.02	0.48	0.0802	0.0004
CB7.4	SHANNON	Fall	BP	2.60	0.05	30.77	0.80	0.4018	0.0089
CB7.4	SHANNON	SAV1	BP	2.93	0.03	16.38	0.48	0.2094	0.0218
CB7.4	SHANNON	SAV2	BP	2.82	0.03	17.02	0.48	0.1449	0.0094
CB7.4	SHANNON	Spring1	BP	3.10	0.04	19.35	0.60	0.3863	0.0198
CB7.4	SHANNON	Spring2	BP	2.37	0.06	37.97	0.90	0.2950	0.0068
CB7.4	SHANNON	Summer1	BP	2.82	0.03	17.02	0.48	0.0634	0.0435
CB7.4	SHANNON	Summer2	BP	2.92	0.02	10.96	0.32	0.0610	0.2536
CB7.4	SHANNON	Winter	BP	2.79	-0.01	-5.38	-0.15	0.0682	0.7644
CB7.4	EVENNESS	Annual	AP	0.46	0.01	34.78	0.16	0.8015	<0.0001
CB7.4	EVENNESS	Fall	AP	0.43	0.01	37.21	0.16	0.2366	0.0089
CB7.4	EVENNESS	SAV1	AP	0.39	0.01	41.03	0.16	0.4976	0.0019
CB7.4	EVENNESS	SAV2	AP	0.48	0.01	33.33	0.16	0.7881	0.0028
CB7.4	EVENNESS	Spring1	AP	0.34	0.01	44.12	0.15	0.8172	0.0094
CB7.4	EVENNESS	Spring2	AP	0.34	0.01	44.12	0.15	0.8172	0.0094
CB7.4	EVENNESS	Summer1	AP	0.50	0.01	32.00	0.16	0.6683	0.0320
CB7.4	EVENNESS	Summer2	AP	0.51	0.01	31.37	0.16	0.4602	0.0571
CB7.4	EVENNESS	Winter	AP	0.38	0.00	0.00	0.00	0.3102	0.3342
CB7.4	EVENNESS	Annual	BP	0.52	0.01	30.77	0.16	0.0600	0.0001
CB7.4	EVENNESS	Fall	BP	0.50	0.01	32.00	0.16	0.7401	0.0037
CB7.4	EVENNESS	SAV1	BP	0.55	0.01	29.09	0.16	0.2819	0.0019
CB7.4	EVENNESS	SAV2	BP	0.51	0.01	31.37	0.16	0.2916	0.0012
CB7.4	EVENNESS	Spring1	BP	0.55	0.01	27.27	0.15	0.5711	0.0025
CB7.4	EVENNESS	Spring2	BP	0.41	0.01	36.59	0.15	0.4766	0.0007
CB7.4	EVENNESS	Summer1	BP	0.51	0.01	31.37	0.16	0.1276	0.0355
CB7.4	EVENNESS	Summer2	BP	0.54	0.00	0.00	0.00	0.1957	0.2740
CB7.4	EVENNESS	Winter	BP	0.51	0.00	0.00	0.00	0.0229	0.5269

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Figure F423. Plot of below pycnocline cyanobacteria biomass against time at station CB7.4 for the period of 1985 through 2001. . . . . F-423

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Figure F432. Plot of below pycnocline Shannon-Weiner diversity index at station CB7.4 for the period of 1985 through 2001. . . . . F-432

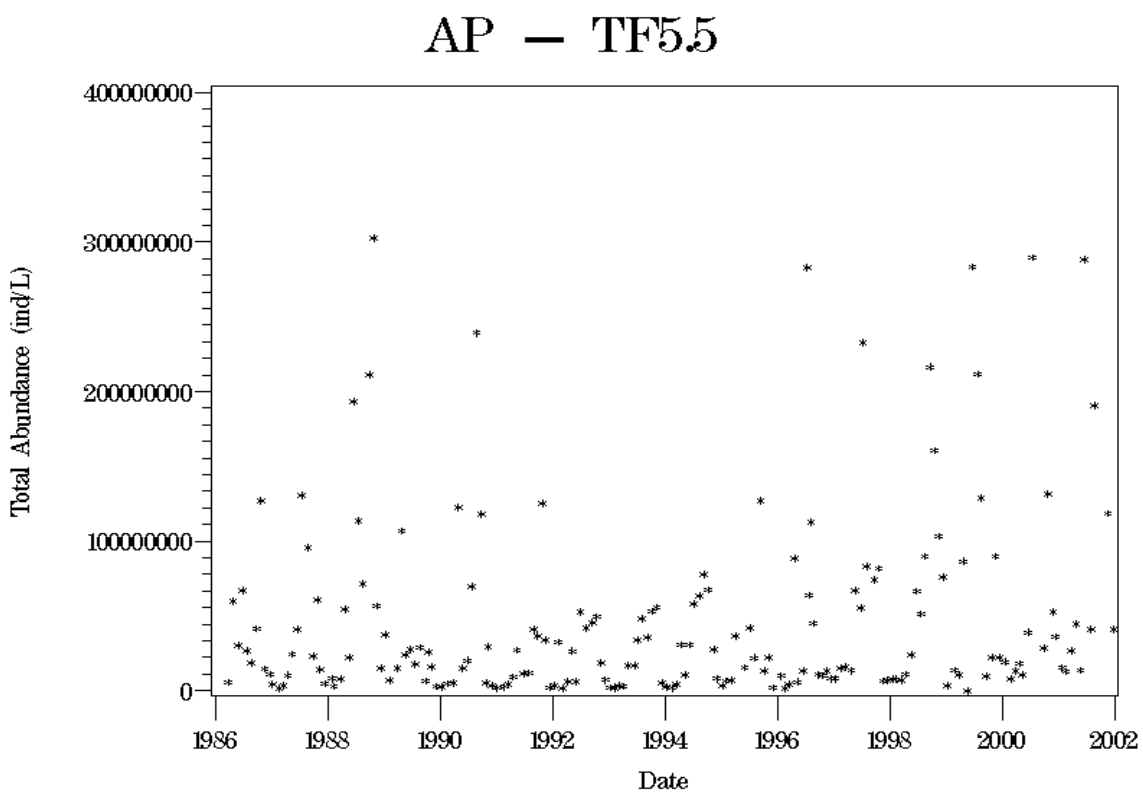

Figure F1. Plot of above pycnocline total phytoplankton abundance against time at station TF5.5 for the period of 1986 through 2001.

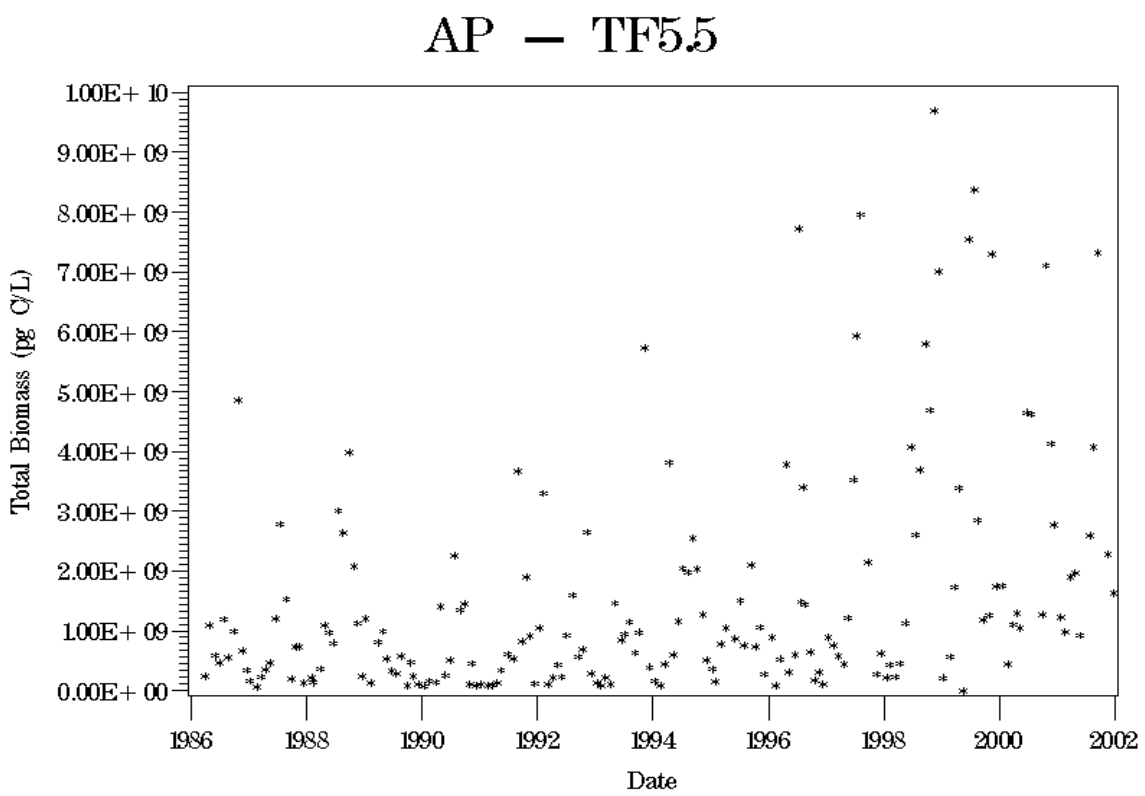

Figure F2. Plot of above pycnocline total phytoplankton biomass against time at station TF5.5 for the period of 1986 through 2001.

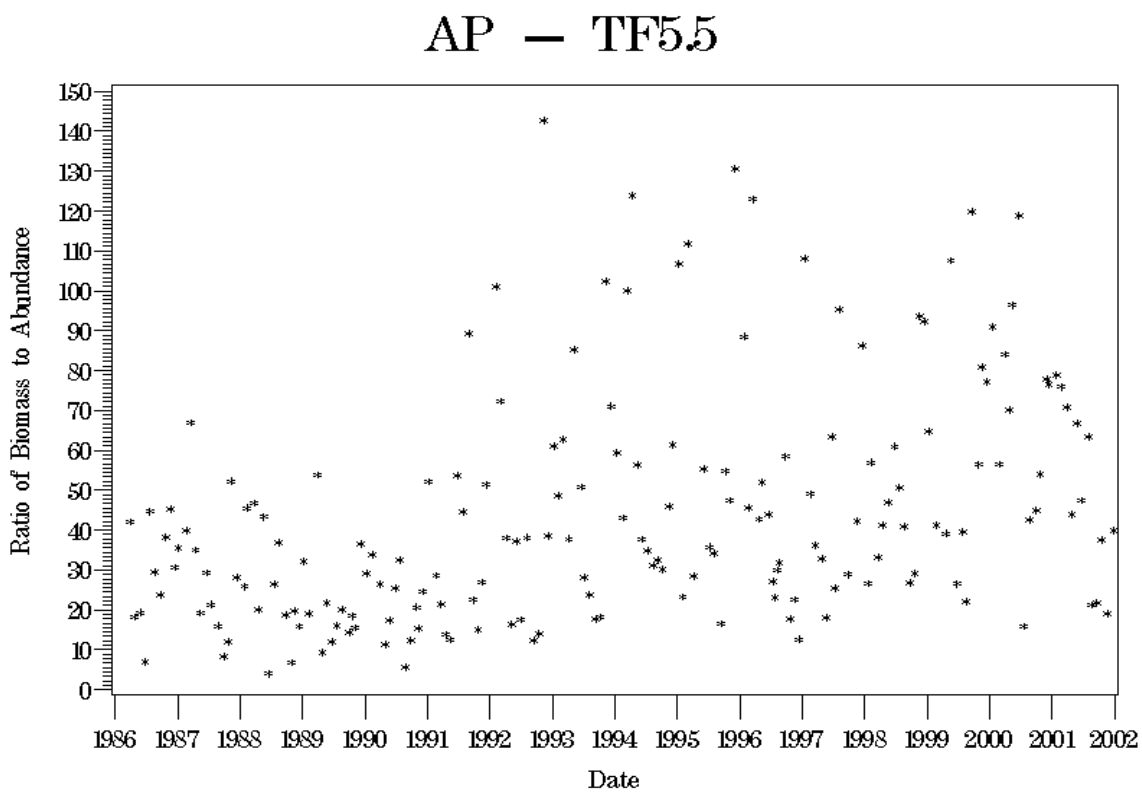

Figure F3. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station TF5.5 for the period of 1986 through 2001.

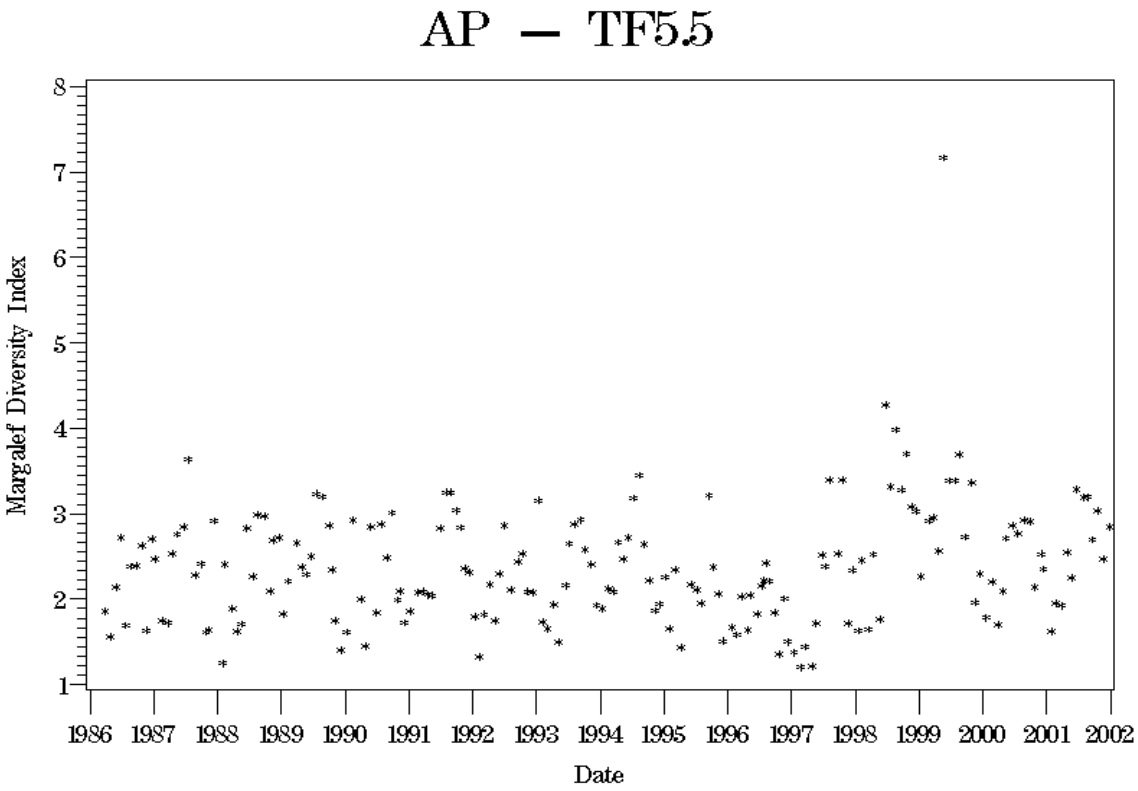

Figure F4. Plot of above pycnocline Margalef diversity index against time at station TF5.5 for the period of 1986 through 2001.

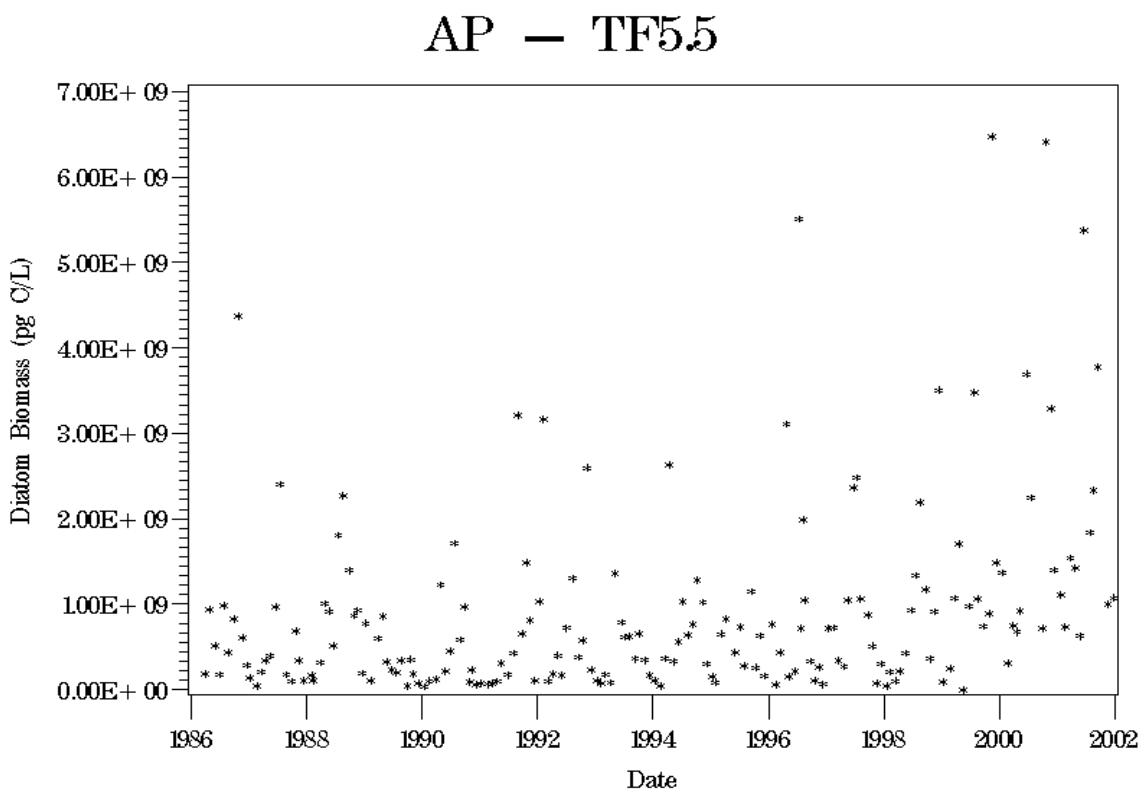

Figure F5. Plot of above pycnocline diatom biomass against time at station TF5.5 for the period of 1986 through 2001.

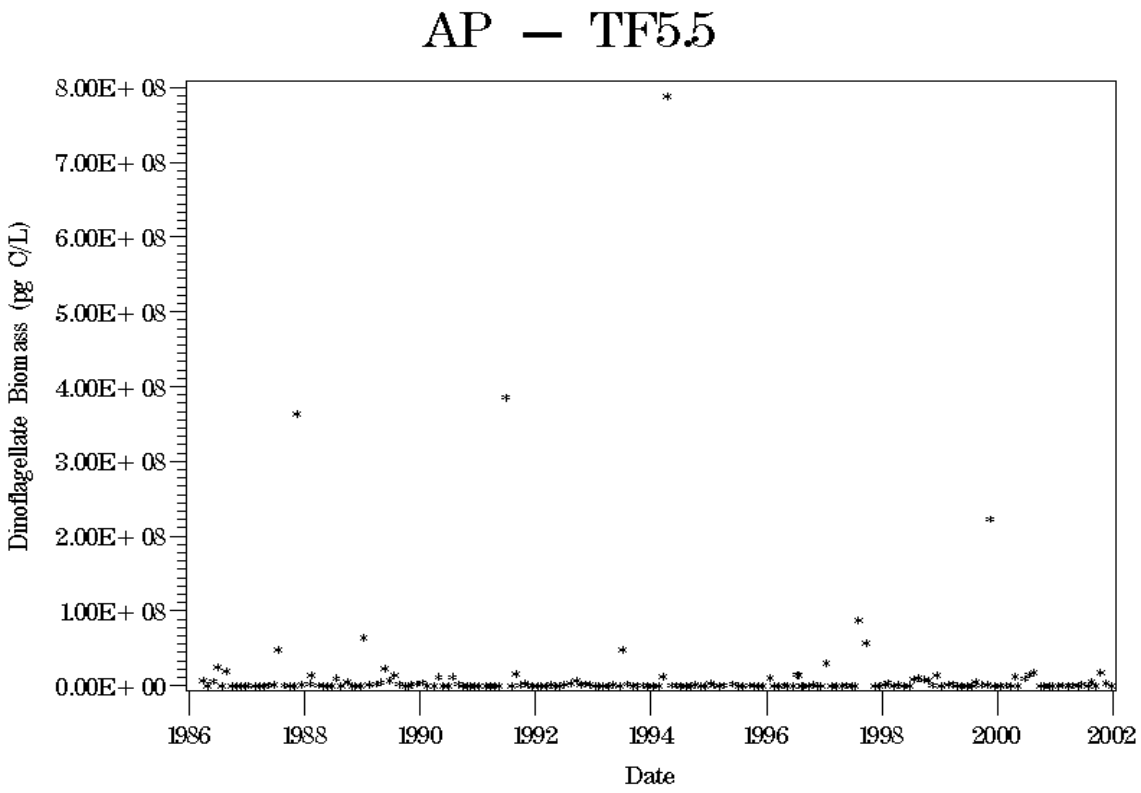

Figure F6. Plot of above pycnocline dinoflagellate biomass against time at station TF5.5 for the period of 1986 through 2001.

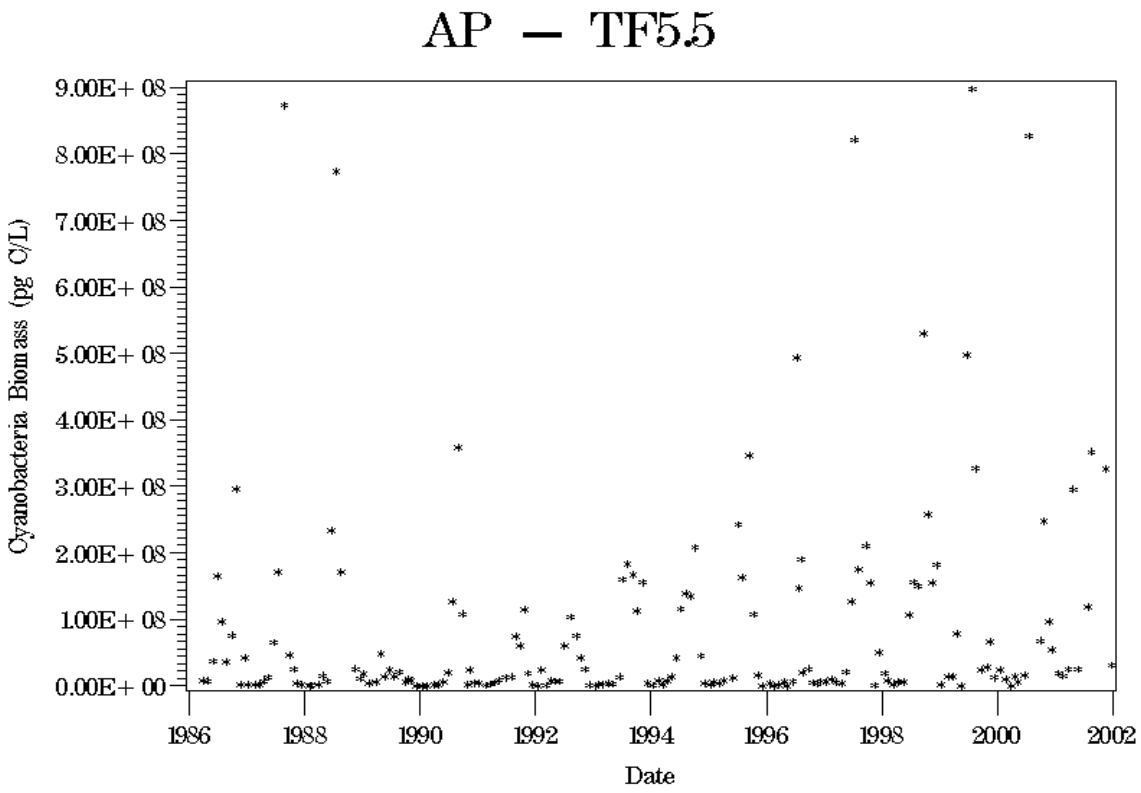

Figure F7. Plot of above pycnocline cyanobacteria biomass against time at station TF5.5 for the period of 1986 through 2001.

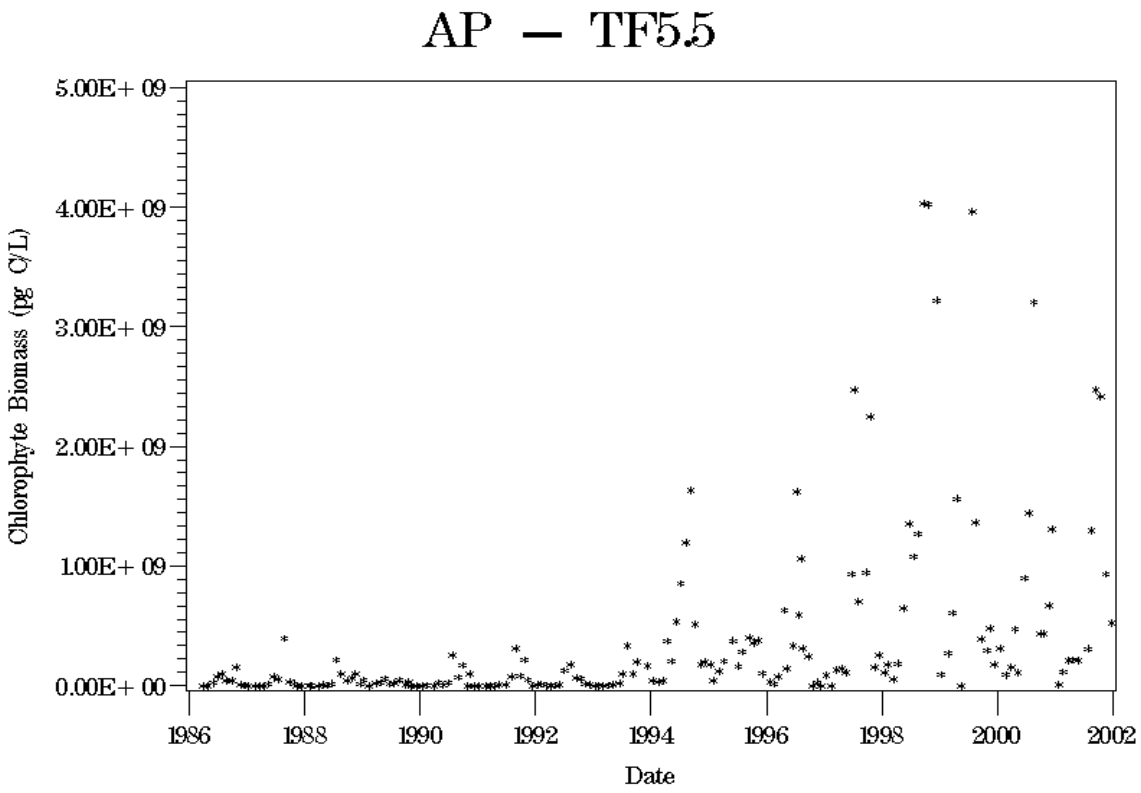

Figure F8. Plot of above pycnocline chlorophyte biomass against time at station TF5.5 for the period of 1986 through 2001.

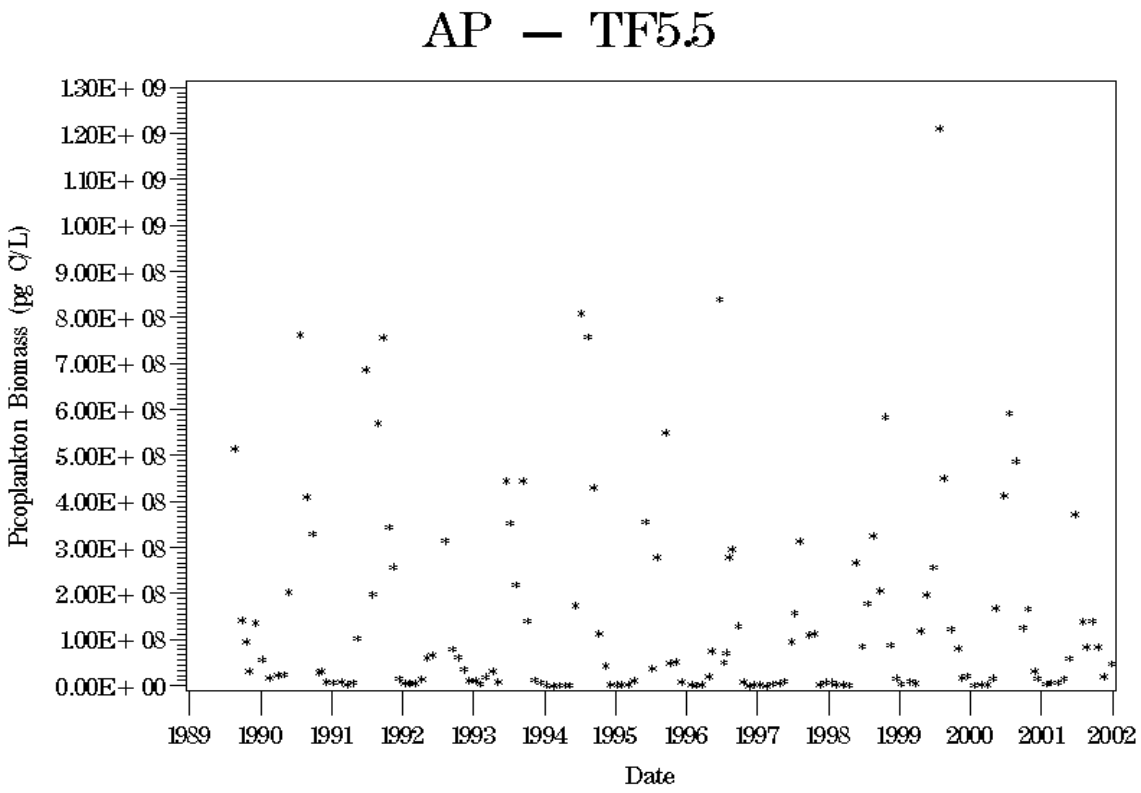

Figure F9. Plot of above pycnocline picoplankton biomass against time at station TF5.5 for the period of 1989 through 2001.

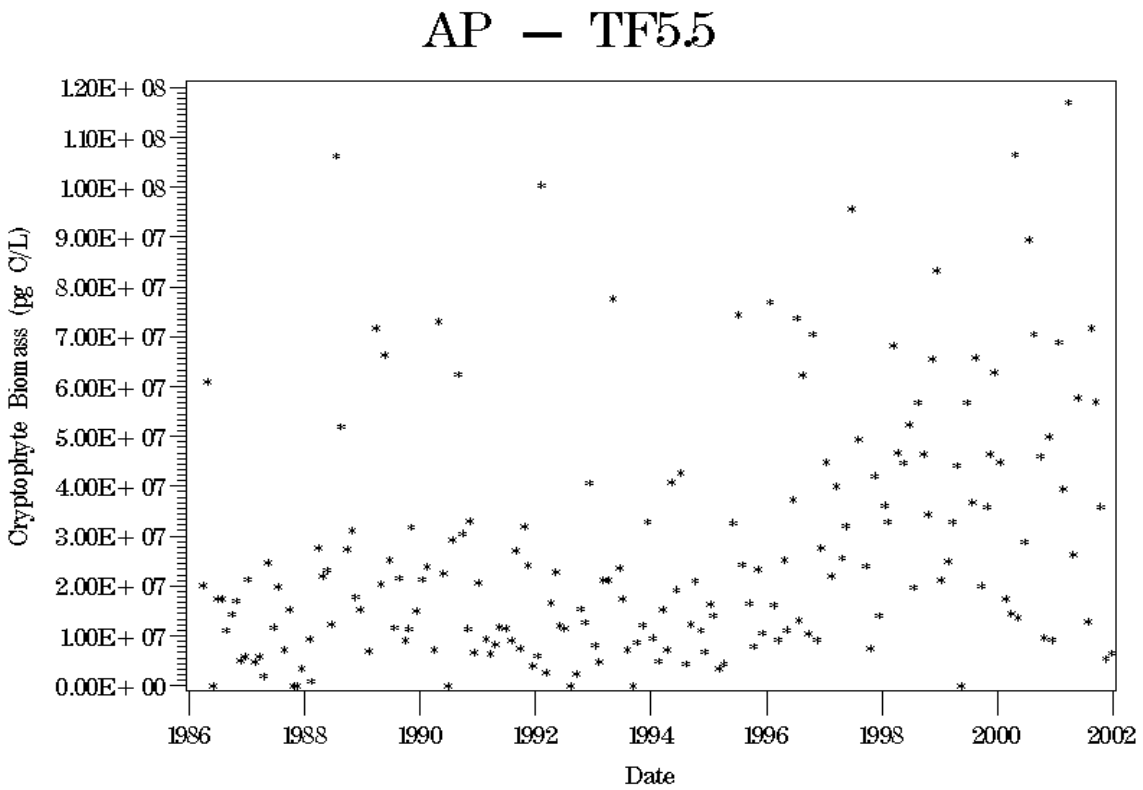

Figure F10. Plot of above pycnocline cryptophyte biomass at station TF5.5 for the period of 1986 through 2001.

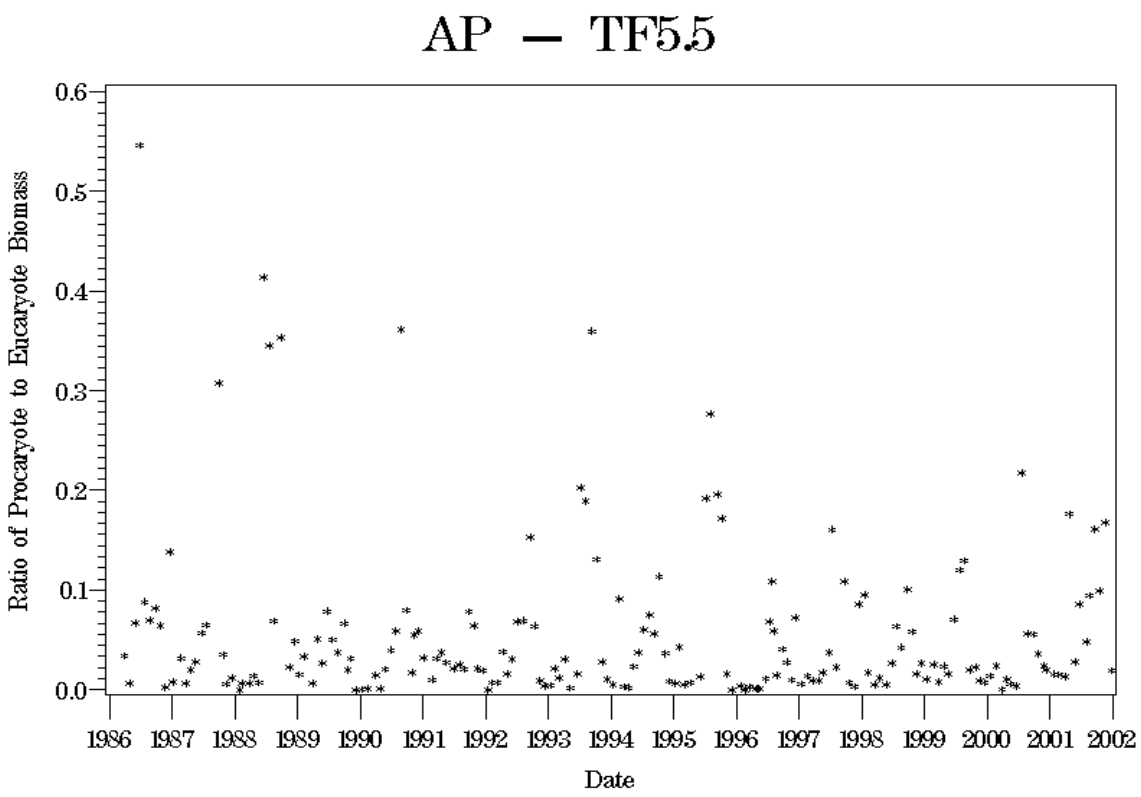

Figure F11. Plot of above pycnocline cyanophyte abundance at station TF5.5 for the period of 1986 through 2001.

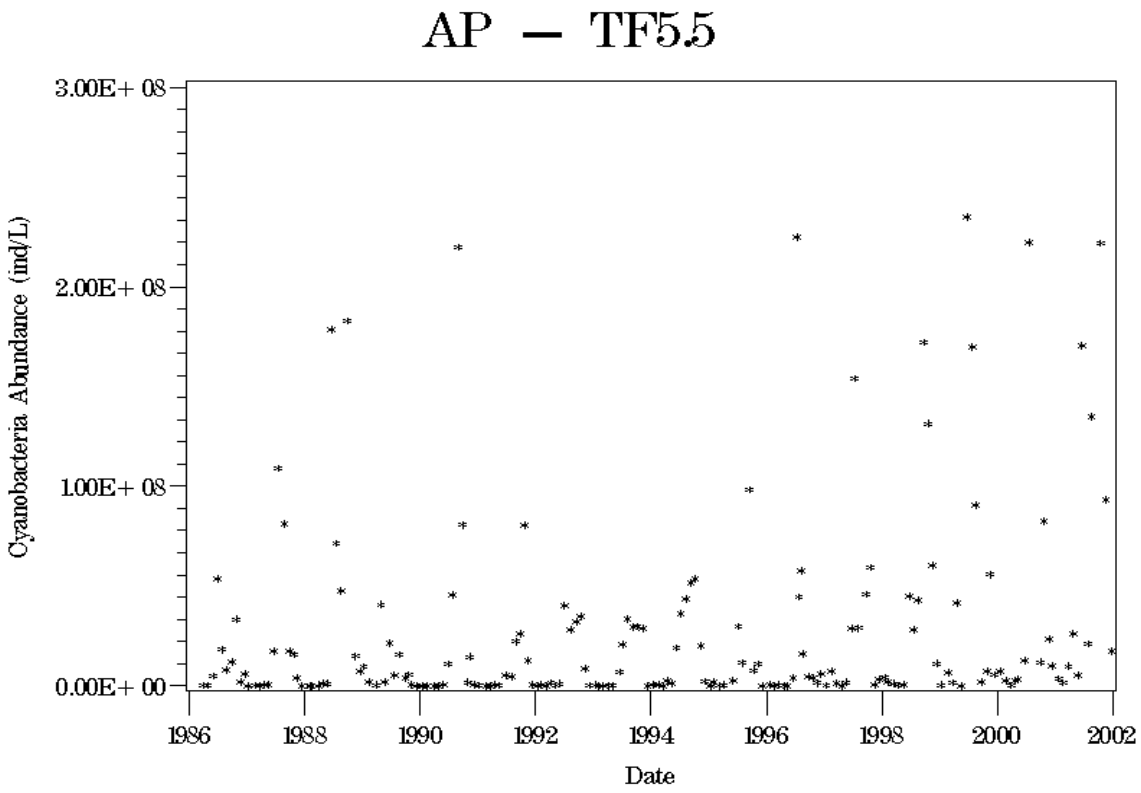

Figure F12. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station TF5.5 for the period of 1986 through 2001.

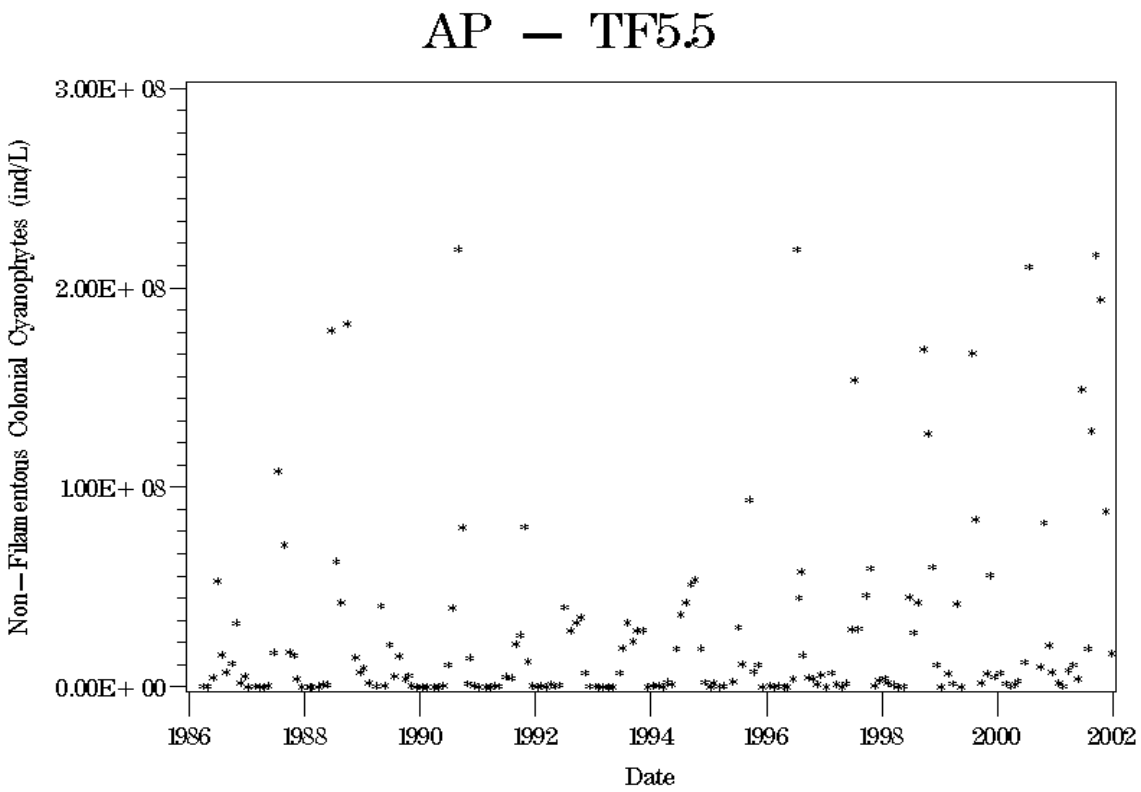

Figure F13. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station TF5.5 for the period of 1986 through 2001.

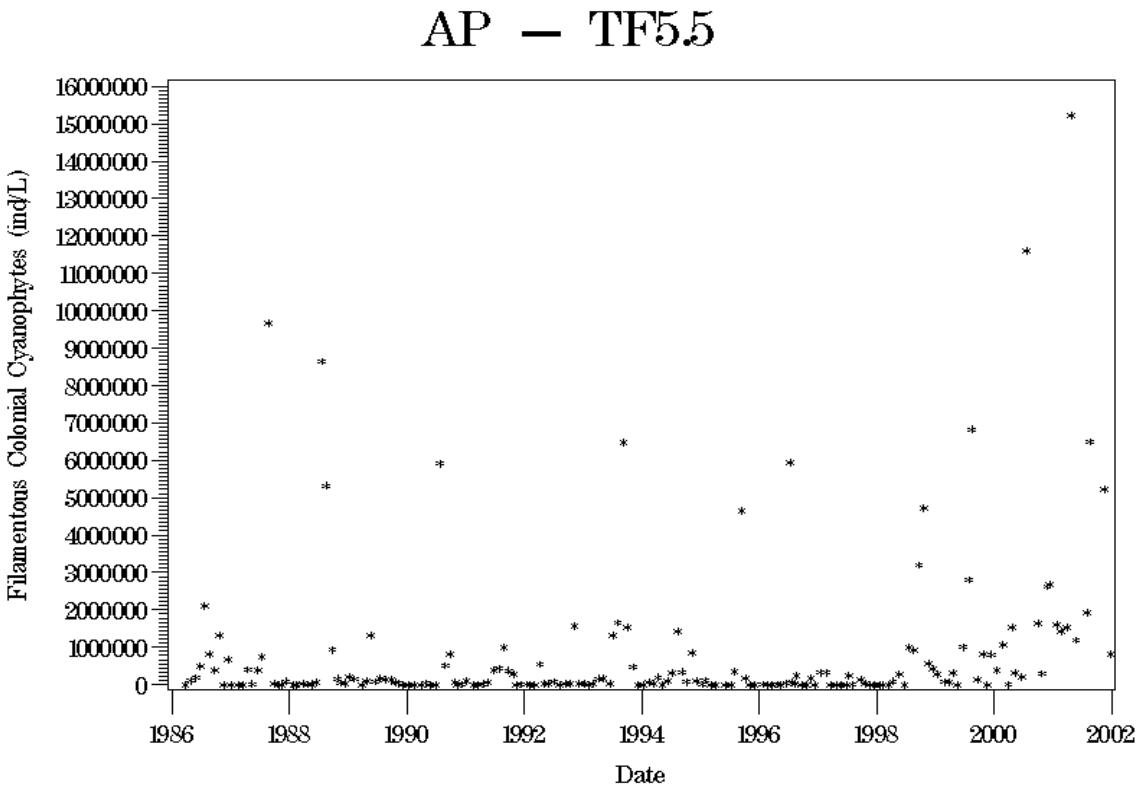

Figure F14. Plot of above pycnocline filamentous colonial cyanophyte abundance at station TF5.5 for the period of 1986 through 2001.

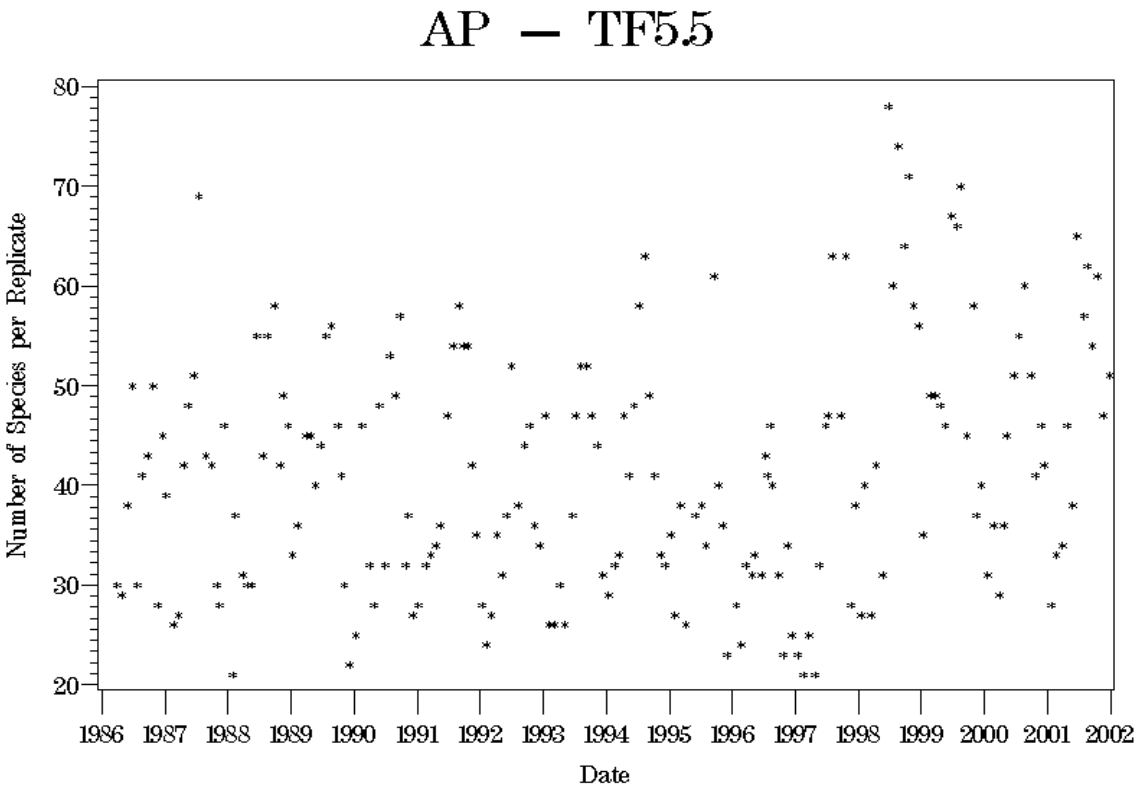

Figure F15. Plot of above pycnocline number of species per replicate at station TF5.5 for the period of 1986 through 2001.

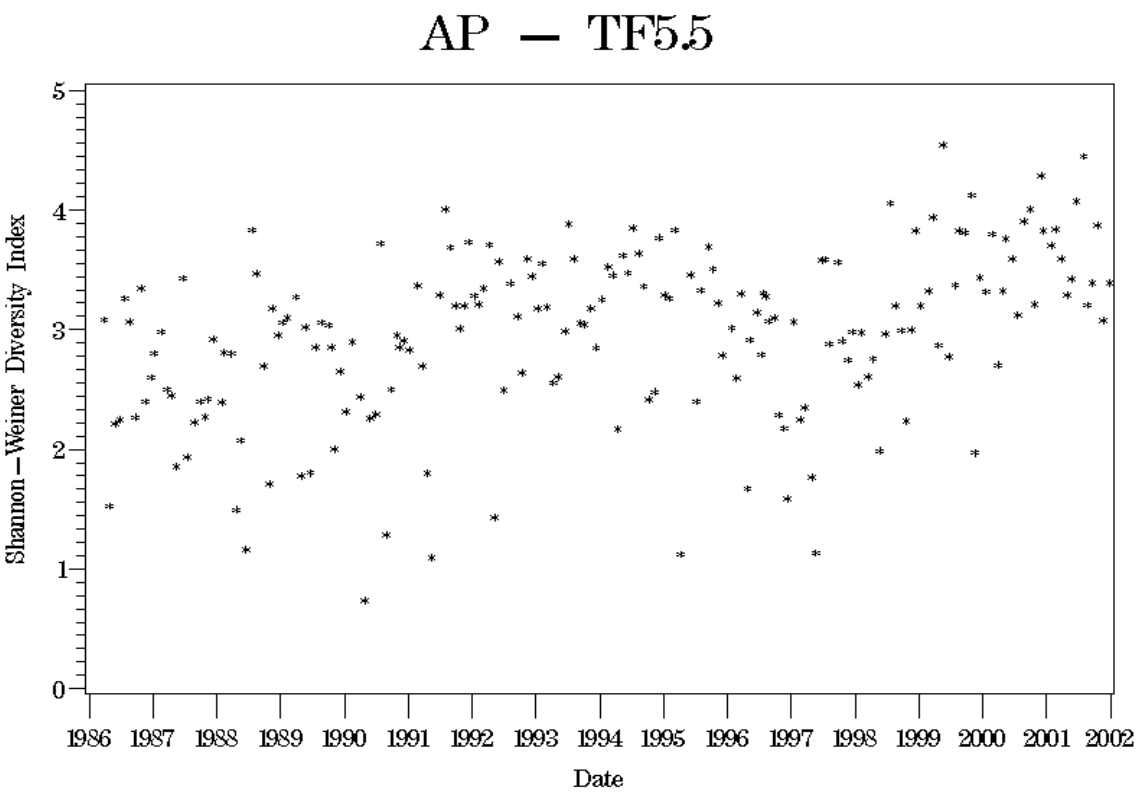

Figure F16. Plot of above pycnocline Shannon-Weiner diversity index at station TF5.5 for the period of 1986 through 2001.

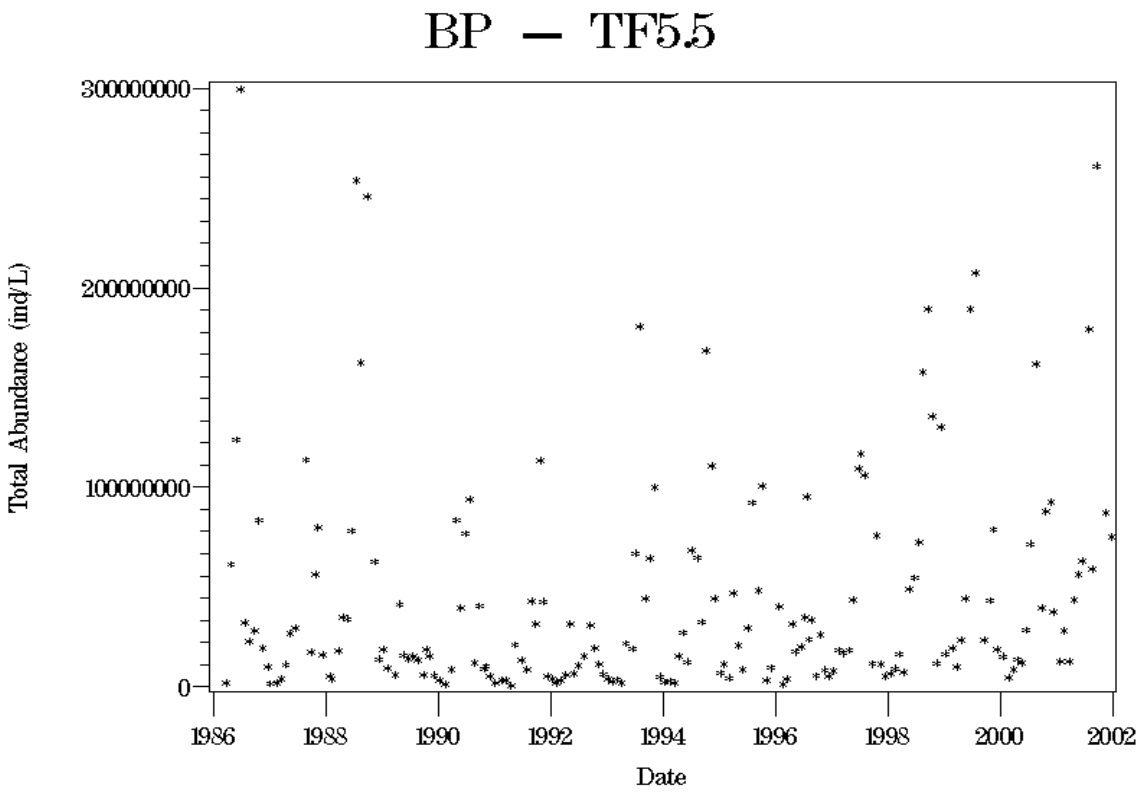

Figure F17. Plot of above pycnocline total phytoplankton abundance against time at station TF5.5 for the period of 1986 through 2001.

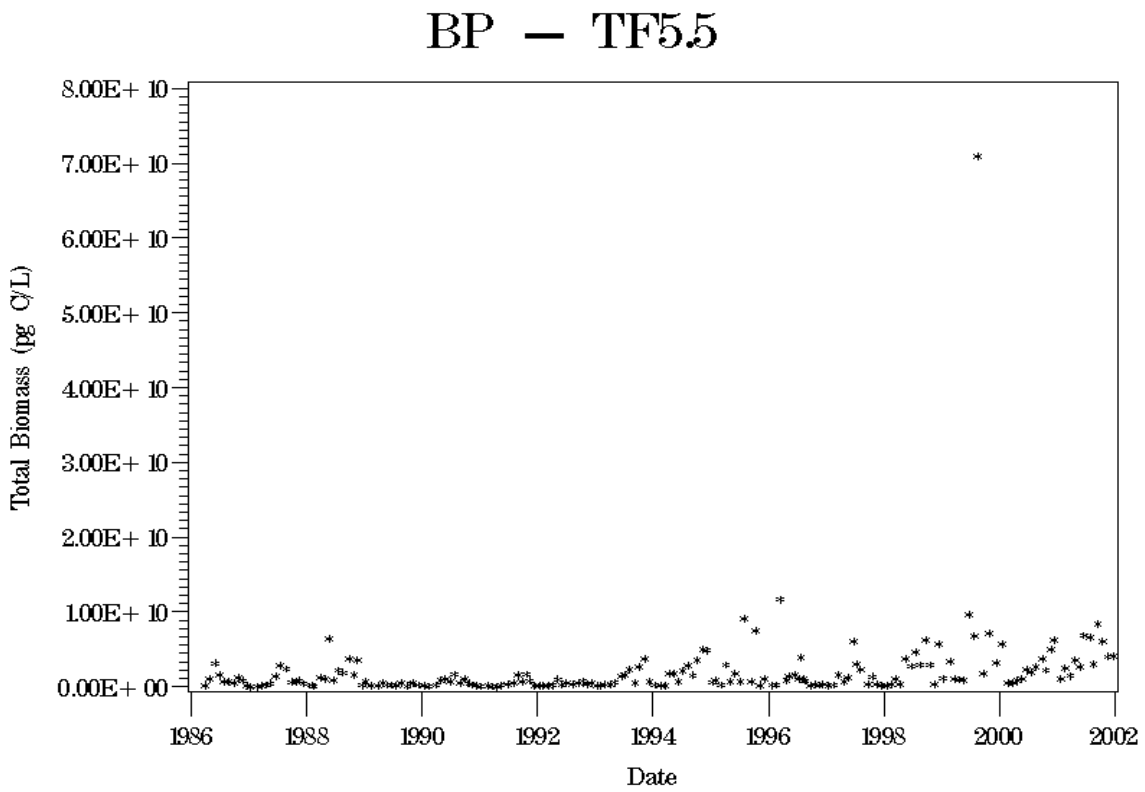

Figure F18. Plot of above pycnocline total phytoplankton biomass against time at station TF5.5 for the period of 1986 through 2001.

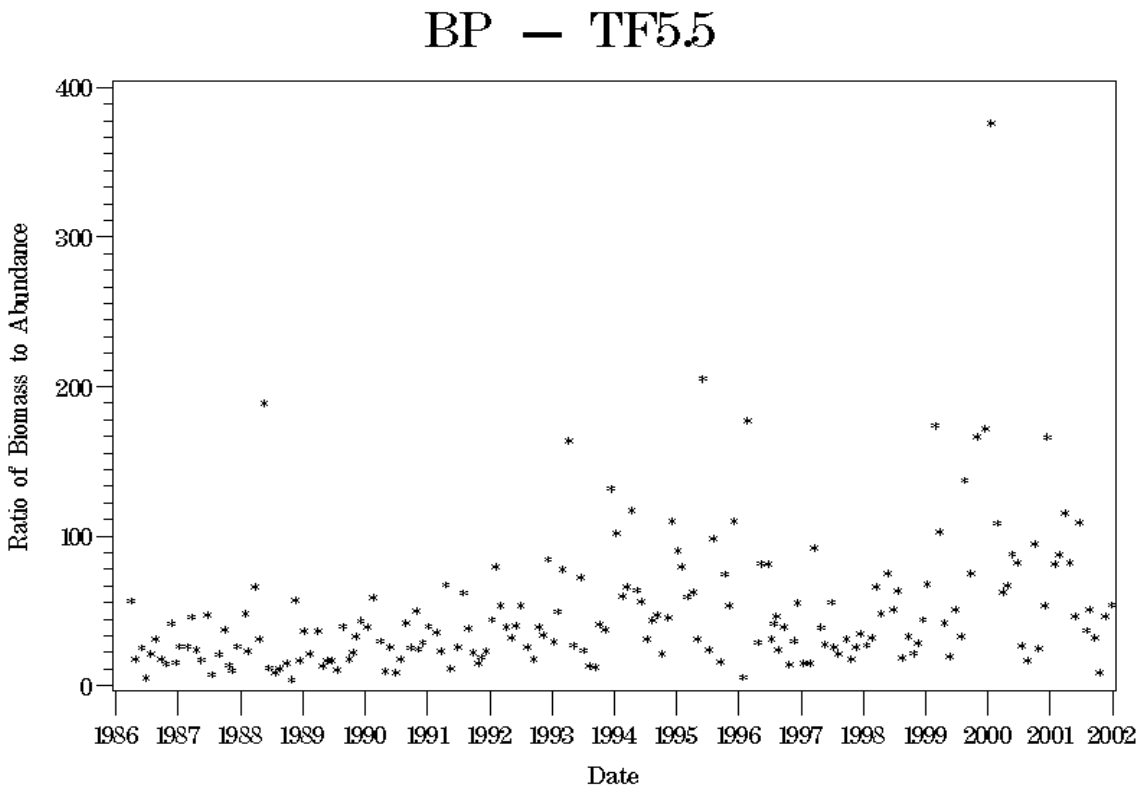

Figure F19. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station TF5.5 for the period of 1986 through 2001.

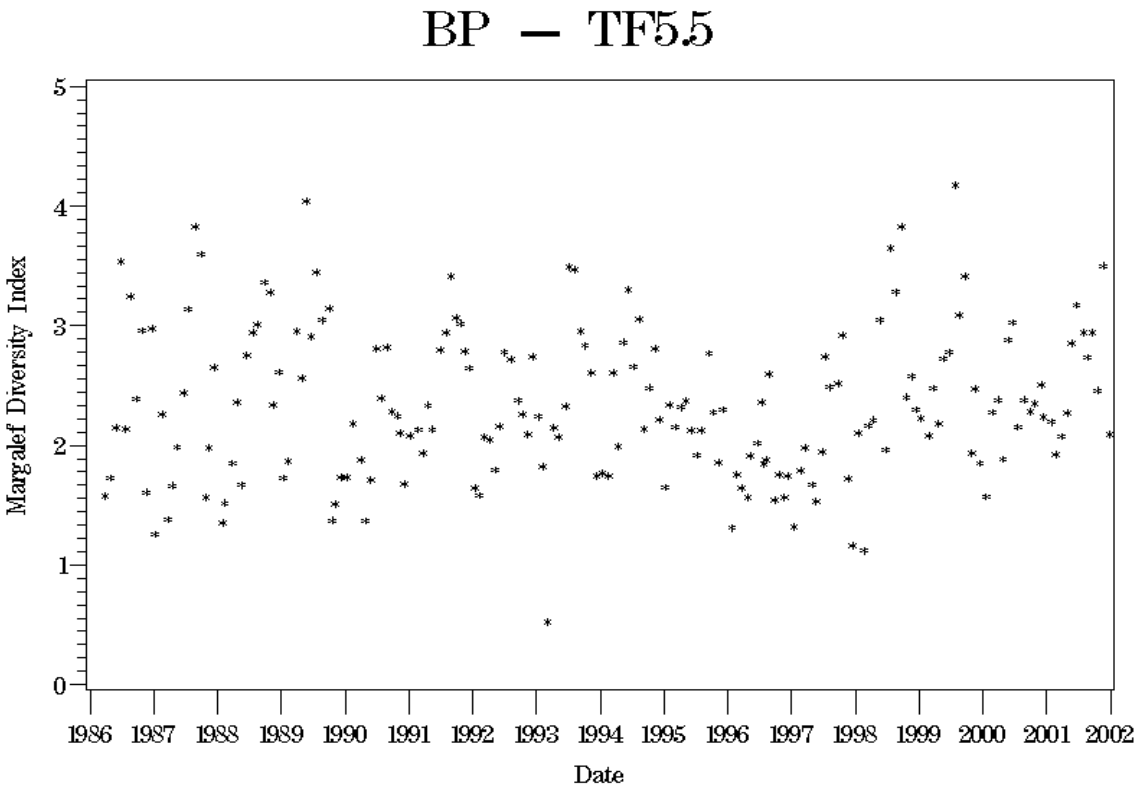

Figure F20. Plot of above pycnocline Margalef diversity index against time at station TF5.5 for the period of 1986 through 2001.

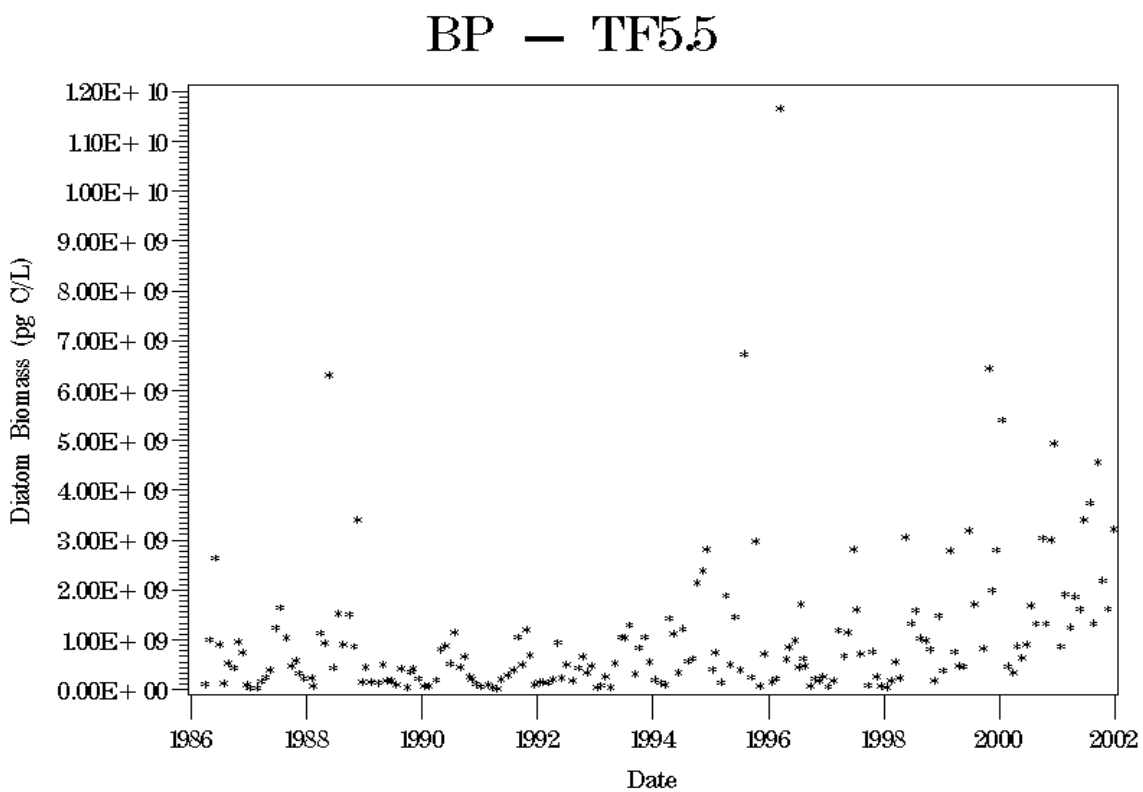

Figure F21. Plot of above pycnocline diatom biomass against time at station TF5.5 for the period of 1986 through 2001.

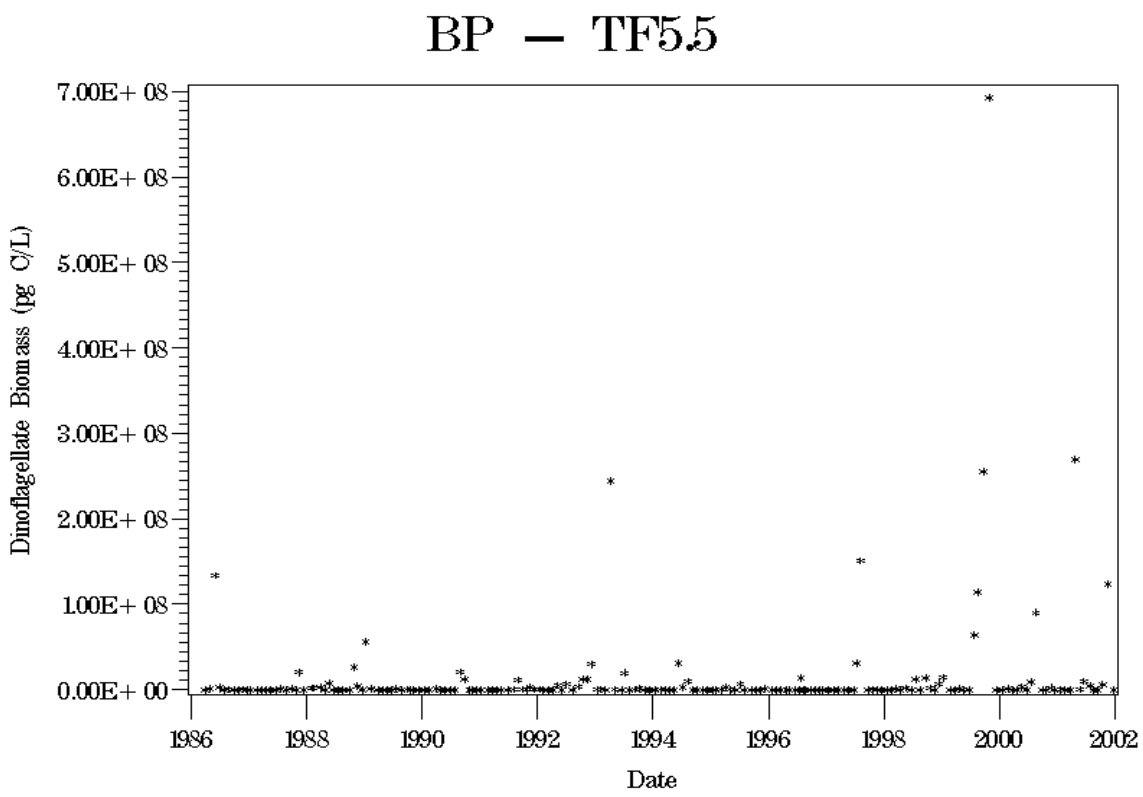

Figure F22. Plot of above pycnocline dinoflagellate biomass against time at station TF5.5 for the period of 1986 through 2001.

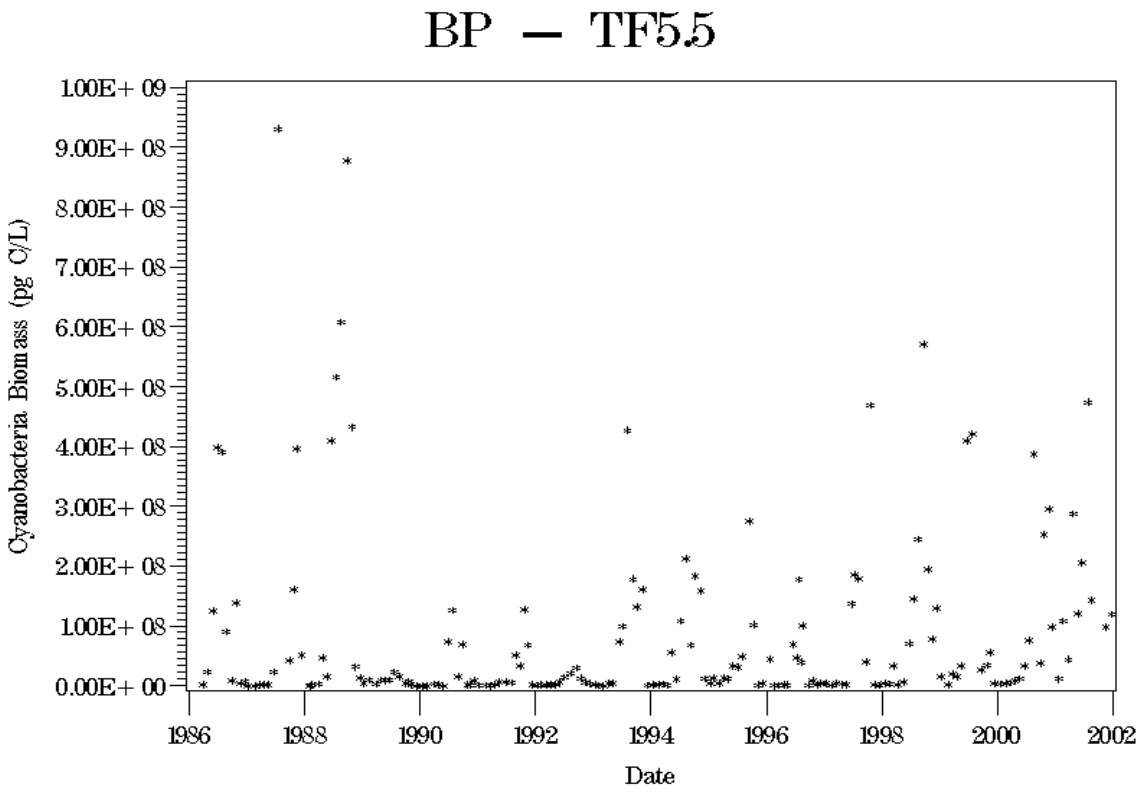

Figure F23. Plot of above pycnocline cyanobacteria biomass against time at station TF5.5 for the period of 1986 through 2001.

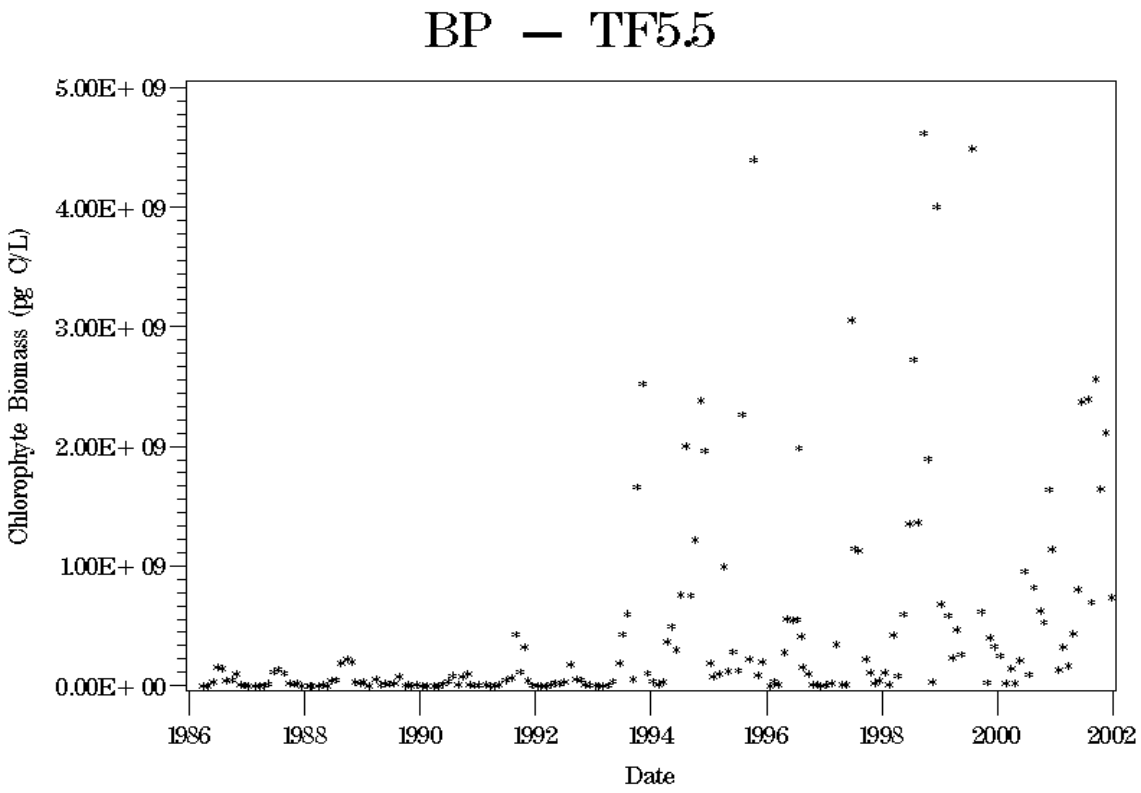

Figure F24. Plot of above pycnocline chlorophyte biomass against time at station TF5.5 for the period of 1986 through 2001.

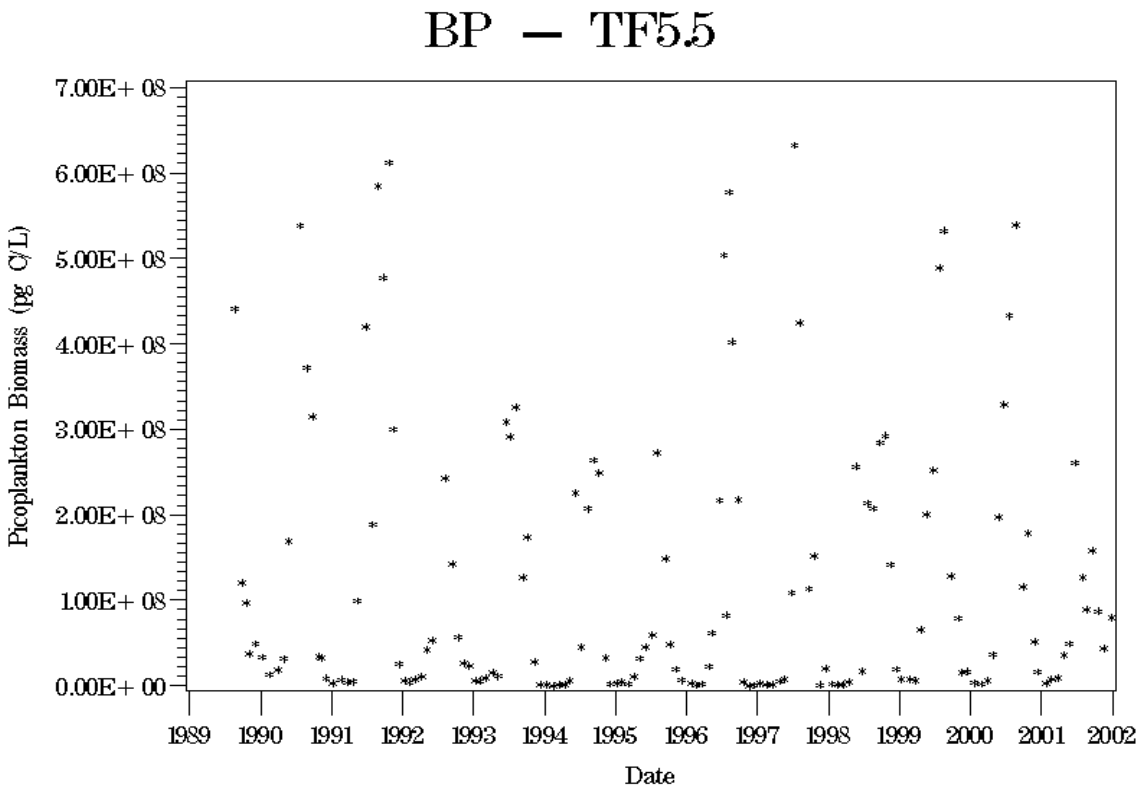

Figure F25. Plot of above pycnocline picoplankton biomass against time at station TF5.5 for the period of 1989 through 2001.

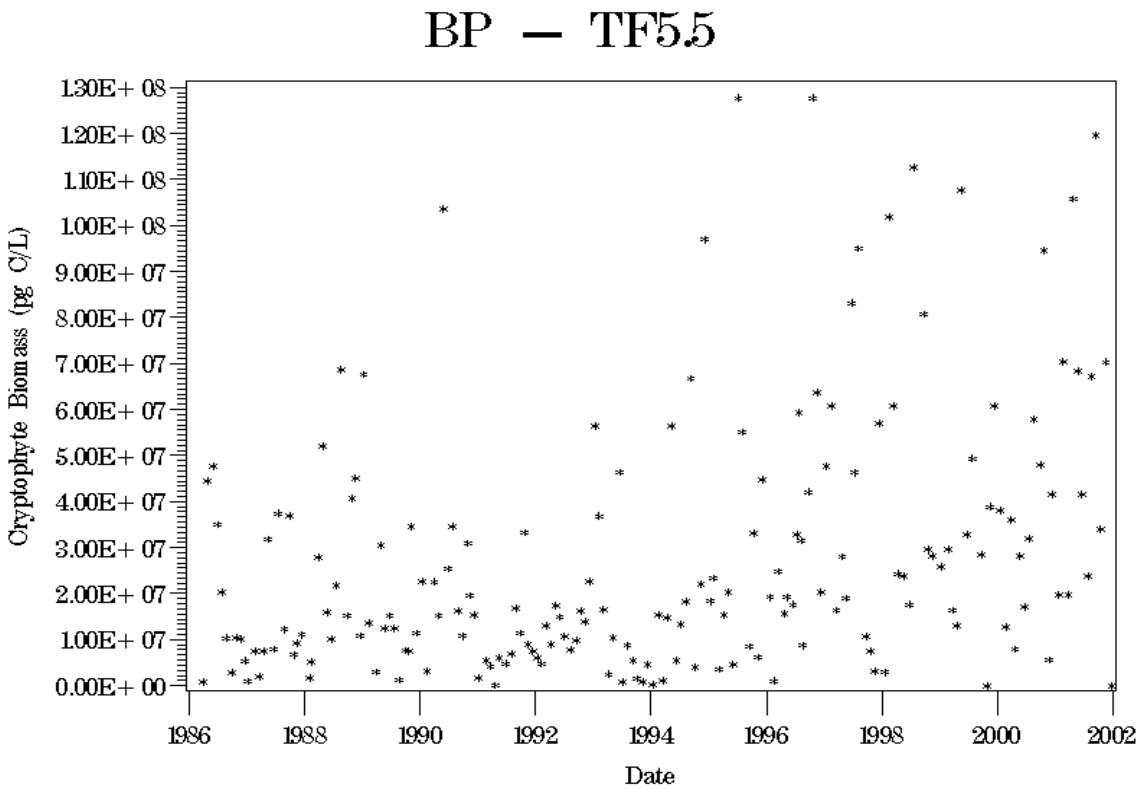

Figure F26. Plot of above pycnocline cryptophyte biomass at station TF5.5 for the period of 1986 through 2001.

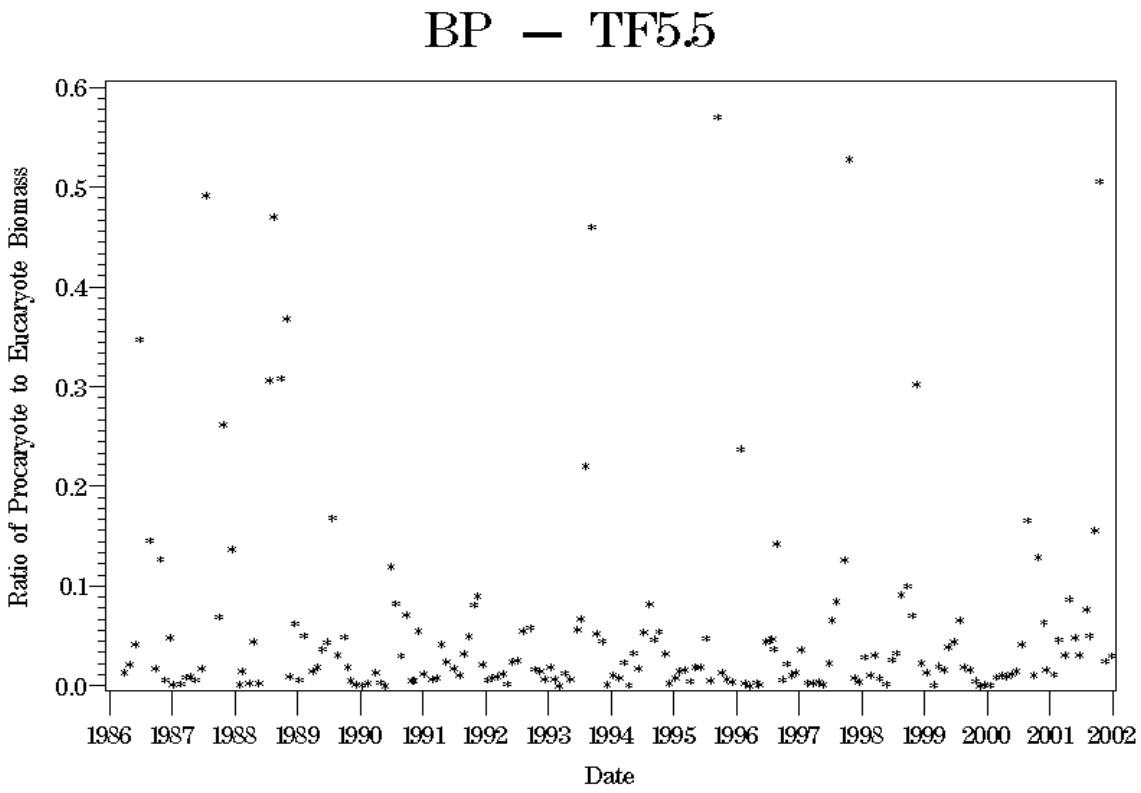

Figure F27. Plot of above pycnocline cyanophyte abundance at station TF5.5 for the period of 1986 through 2001.

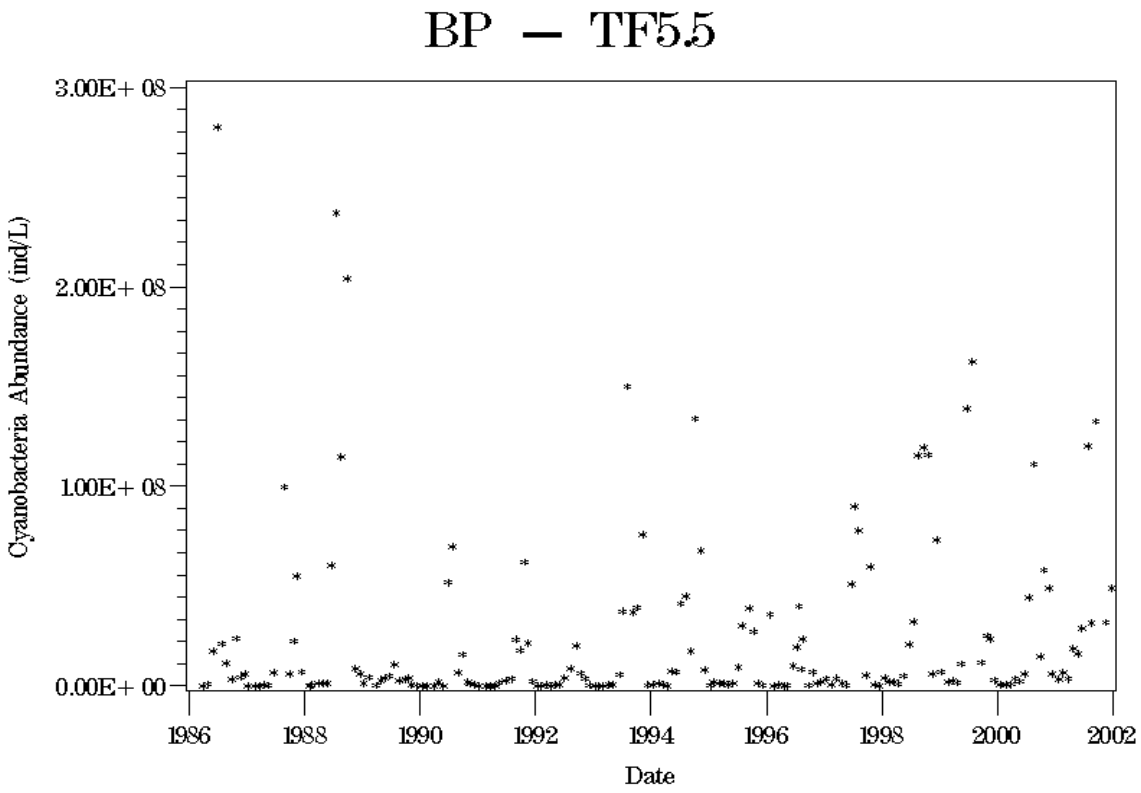

Figure F28. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station TF5.5 for the period of 1986 through 2001.

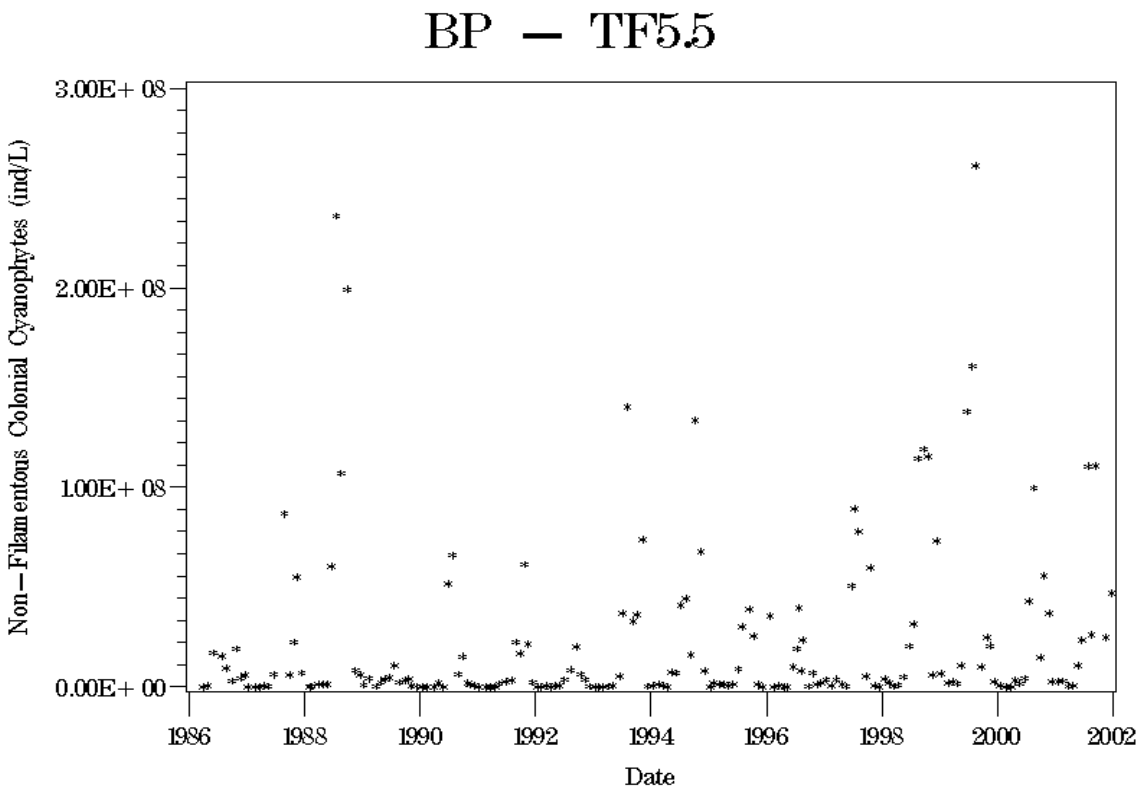

Figure F29. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station TF5.5 for the period of 1986 through 2001.

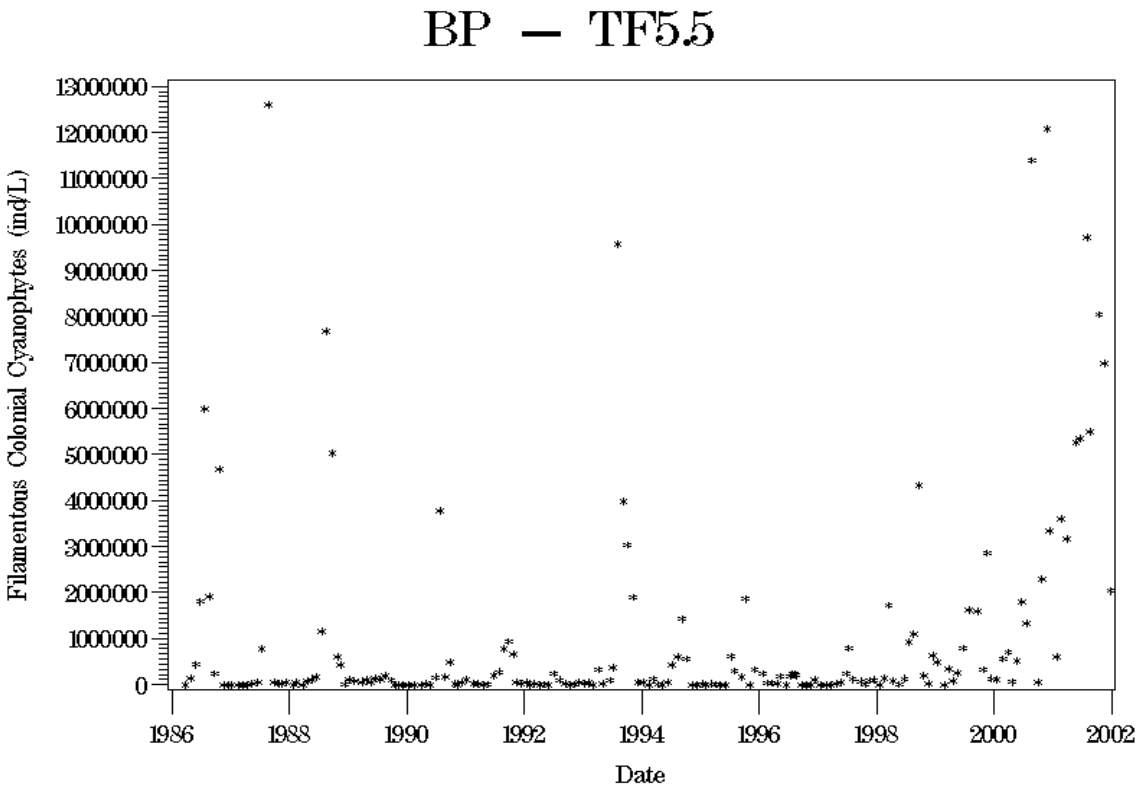

Figure F30. Plot of above pycnocline filamentous colonial cyanophyte abundance at station TF5.5 for the period of 1986 through 2001.

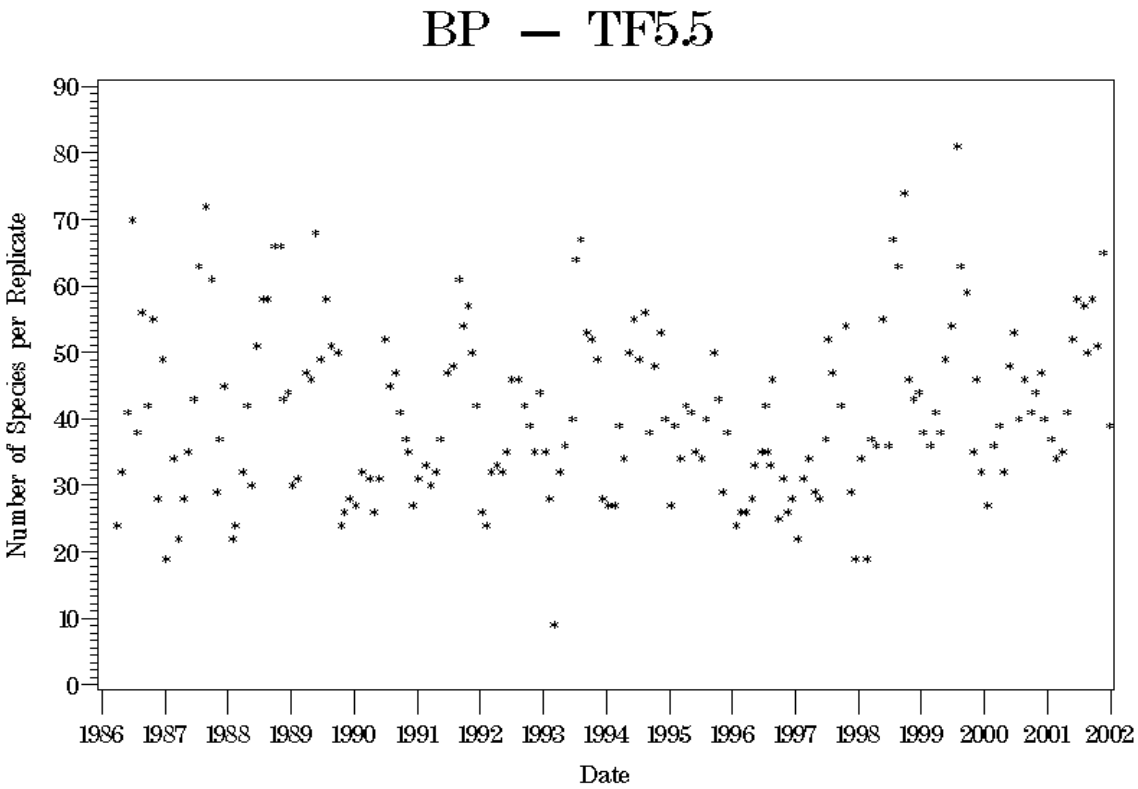

Figure F31. Plot of above pycnocline number of species per replicate at station TF5.5 for the period of 1986 through 2001.

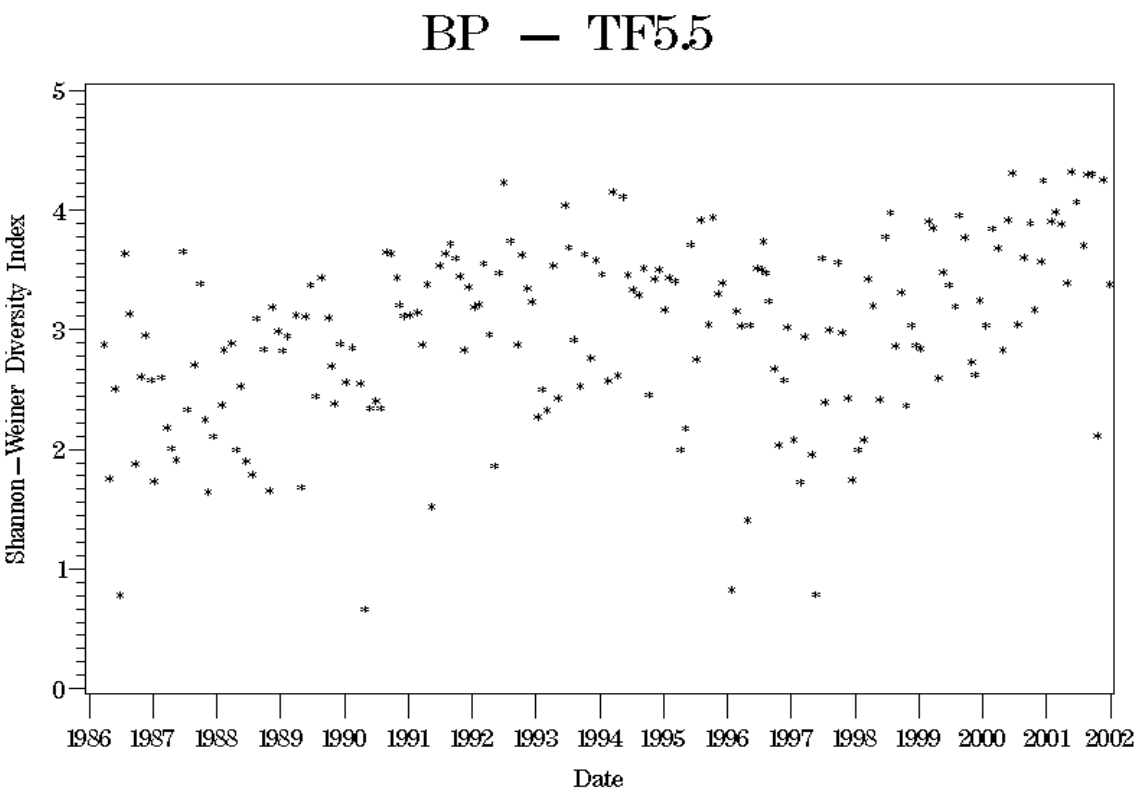

Figure F32. Plot of above pycnocline Shannon-Weiner diversity index at station TF5.5 for the period of 1986 through 2001.

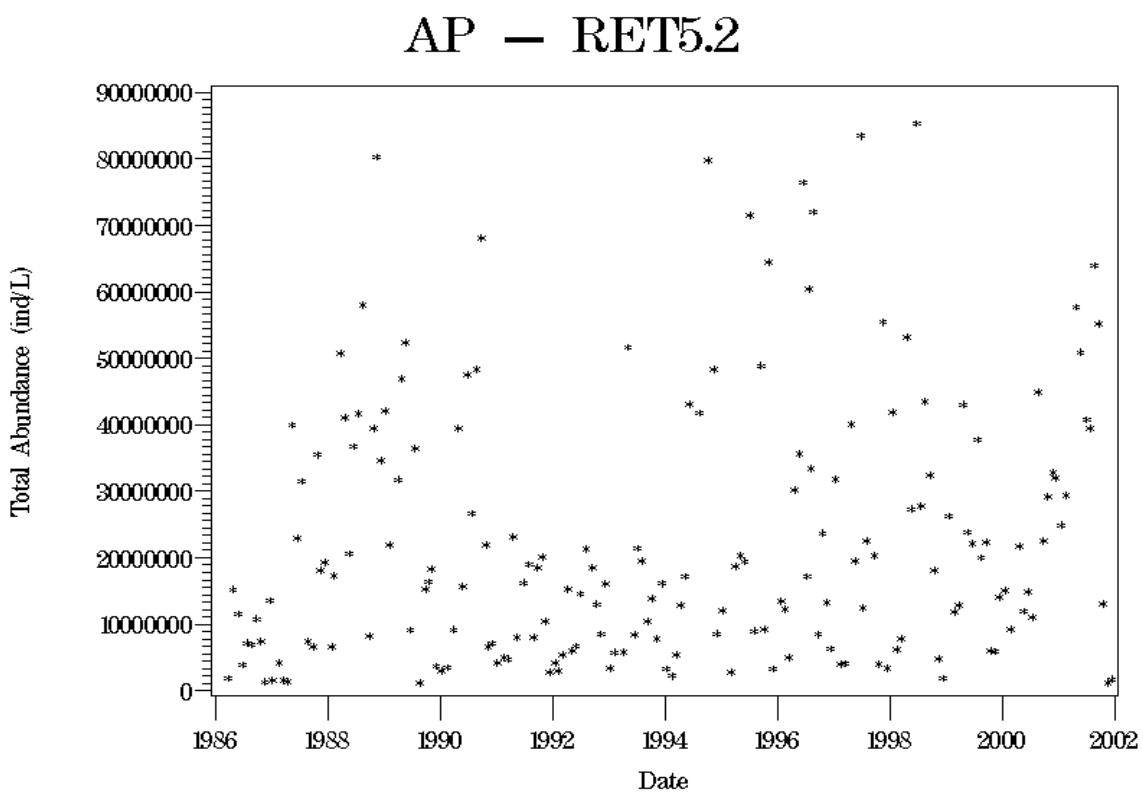

Figure F33. Plot of above pycnocline total phytoplankton abundance against time at station RET5.2 for the period of 1986 through 2001.

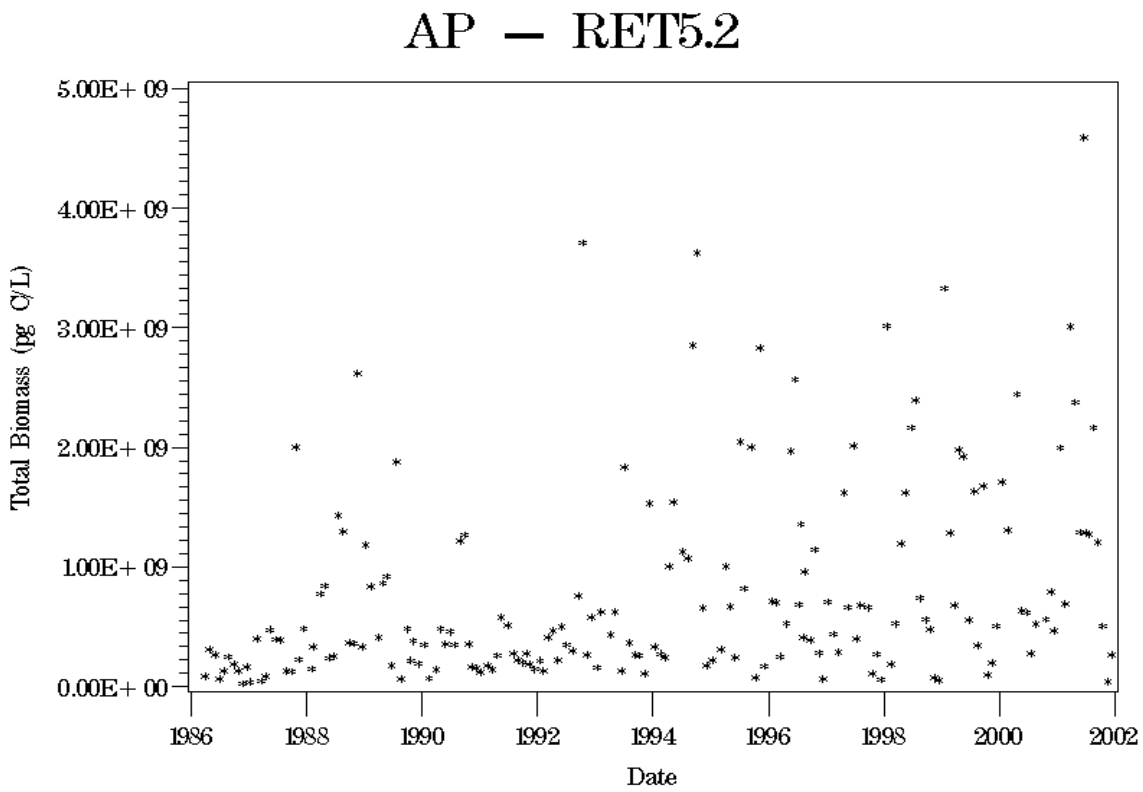

Figure F34. Plot of above pycnocline total phytoplankton biomass against time at station RET5.2 for the period of 1986 through 2001.

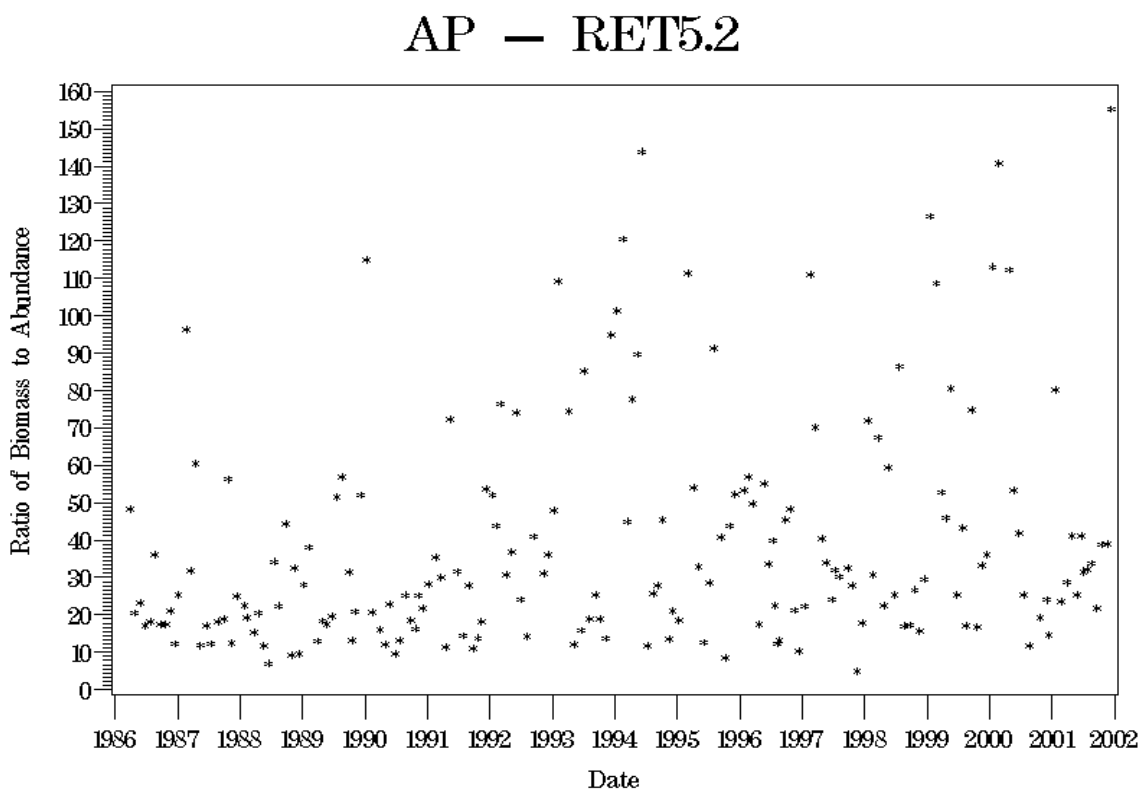

Figure F35. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station RET5.2 for the period of 1986 through 2001.

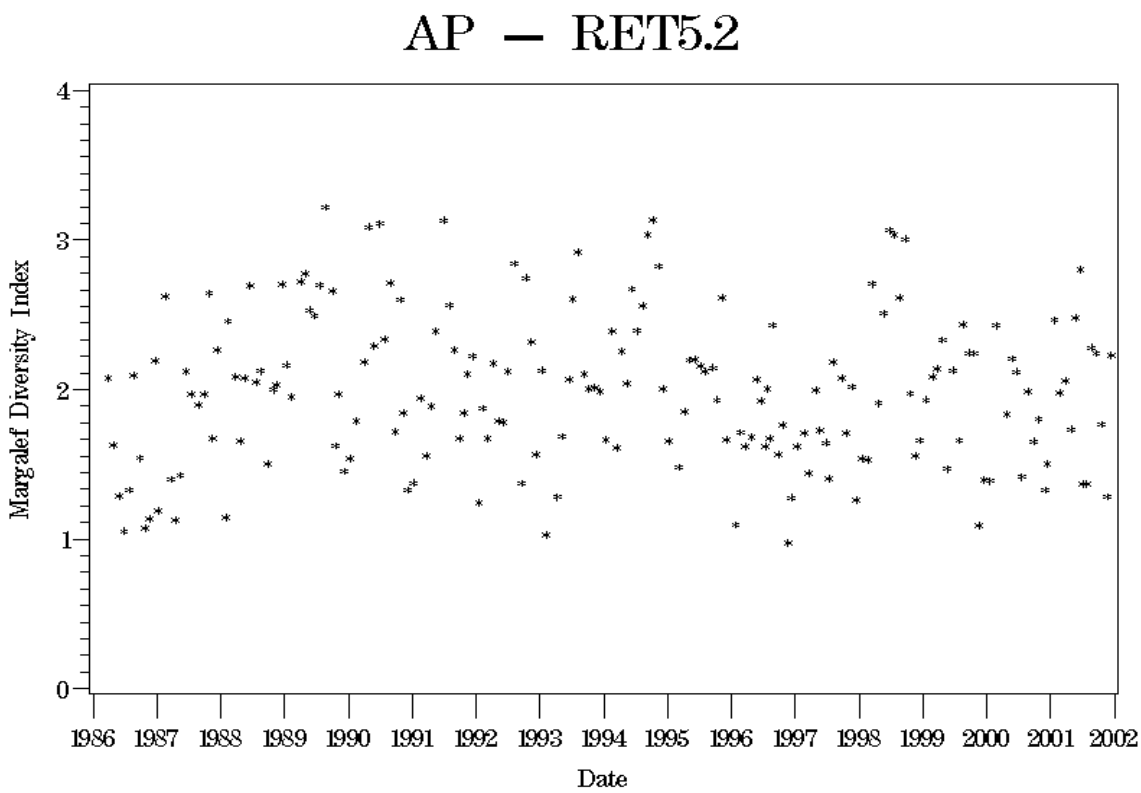

Figure F36 Plot of above pycnocline Margalef diversity index against time at station RET5.2 for the period of 1986 through 2001.

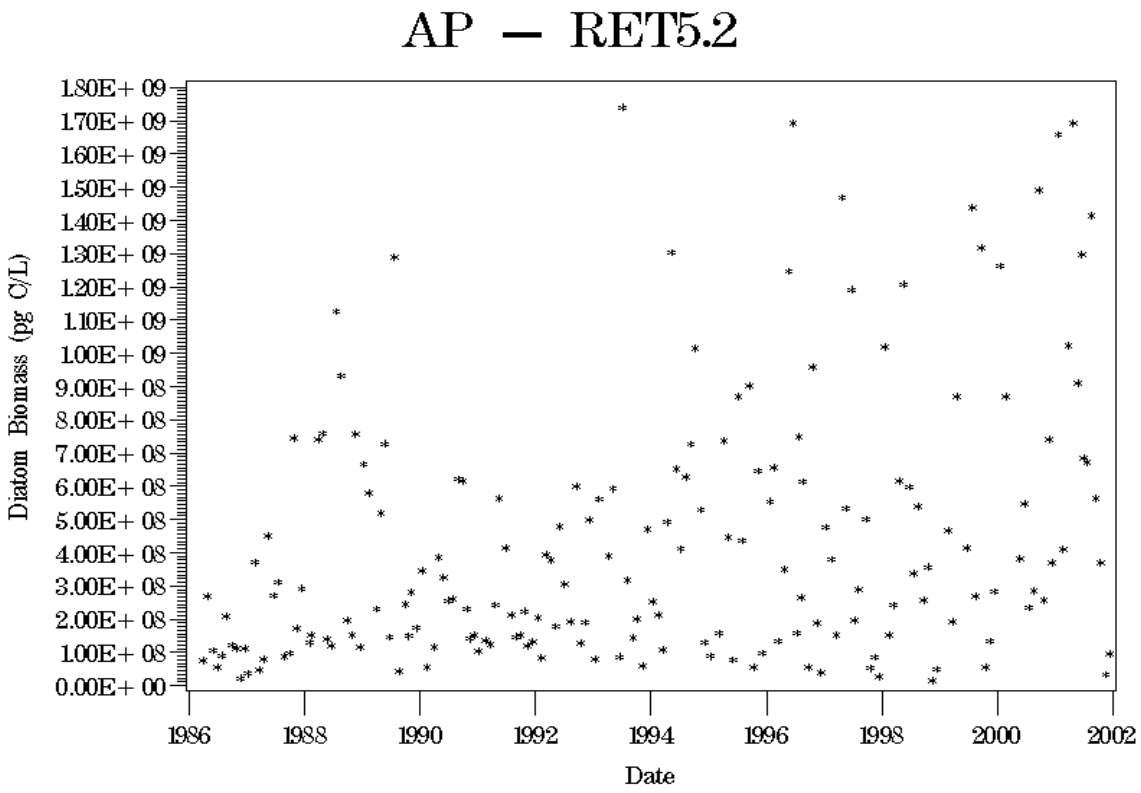

Figure F37. Plot of above pycnocline diatom biomass against time at station RET5.2 for the period of 1986 through 2001.

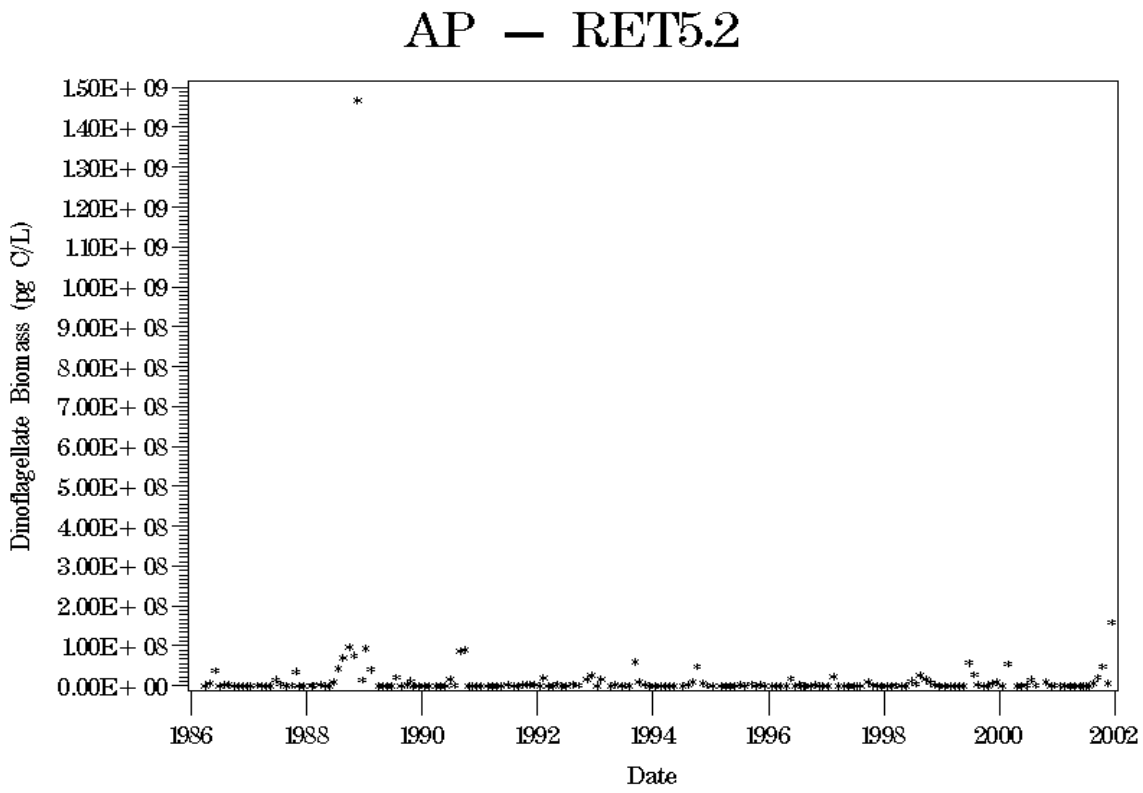

Figure F38. Plot of above pycnocline dinoflagellate biomass against time at station RET5.2 for the period of 1986 through 2001.

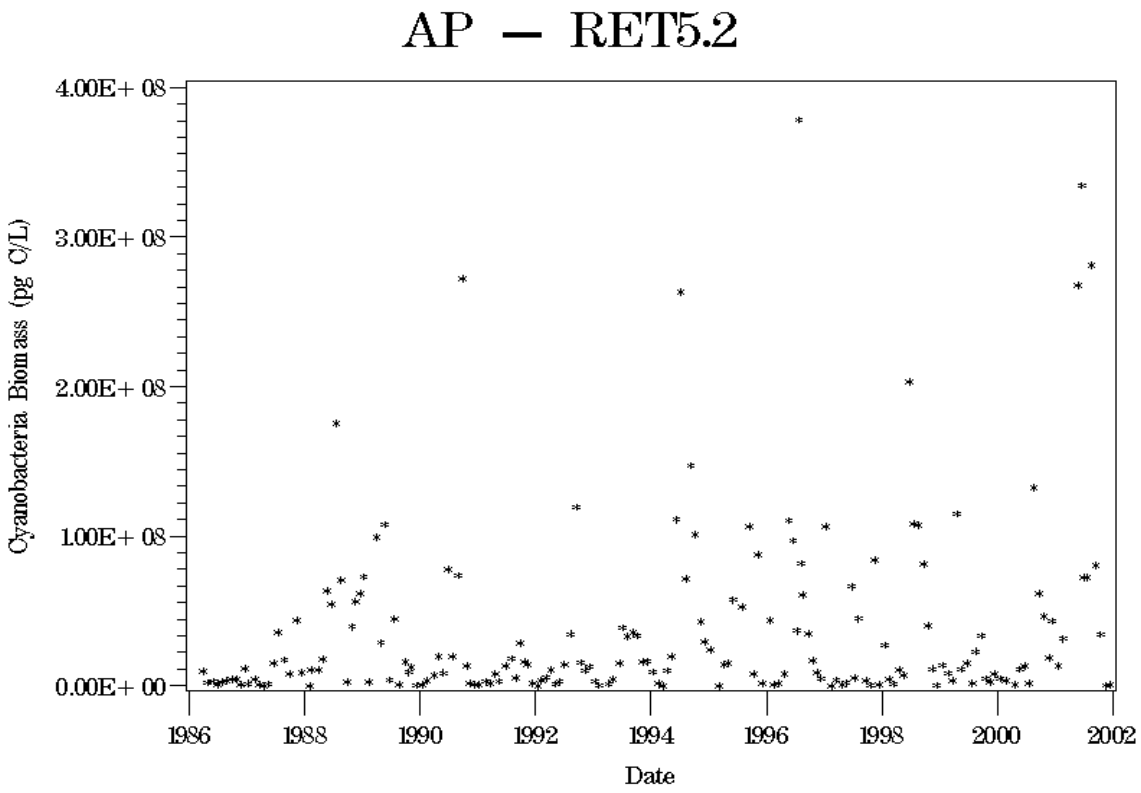

Figure F39. Plot of above pycnocline cyanobacteria biomass against time at station RET5.2 for the period of 1986 through 2001.

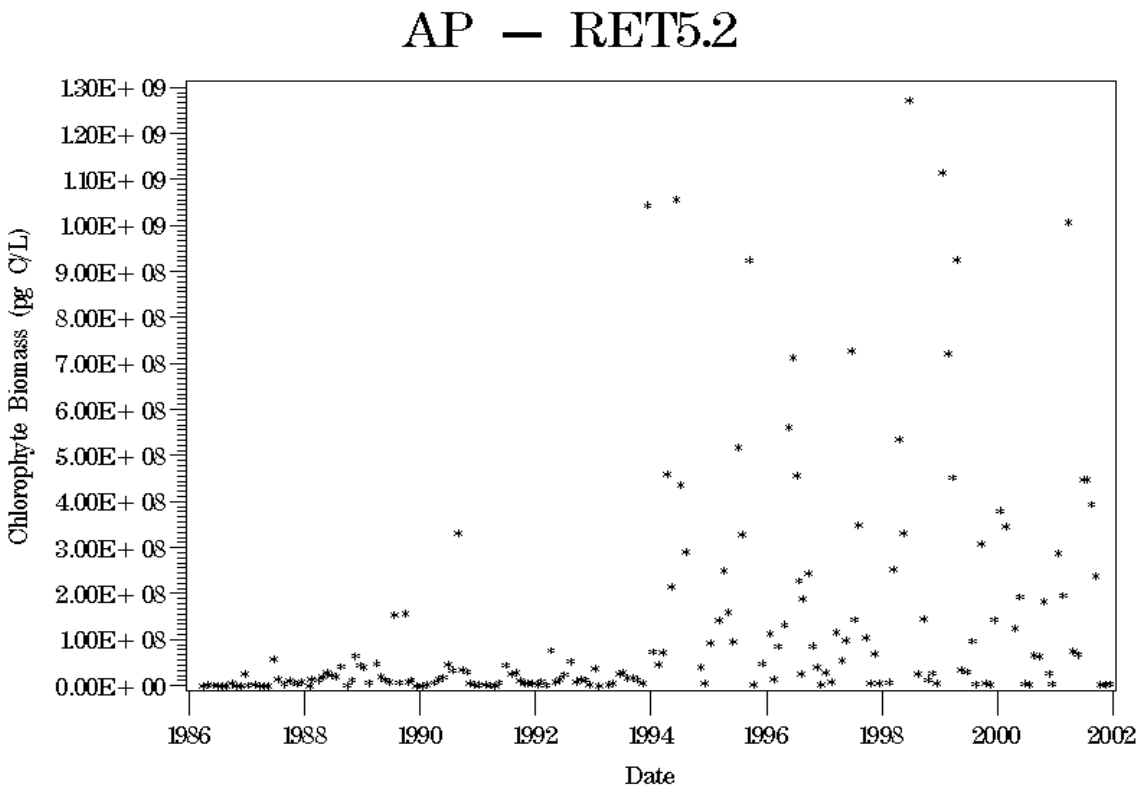

Figure F40. Plot of above pycnocline chlorophyte biomass against time at station RET5.2 for the period of 1986 through 2001.

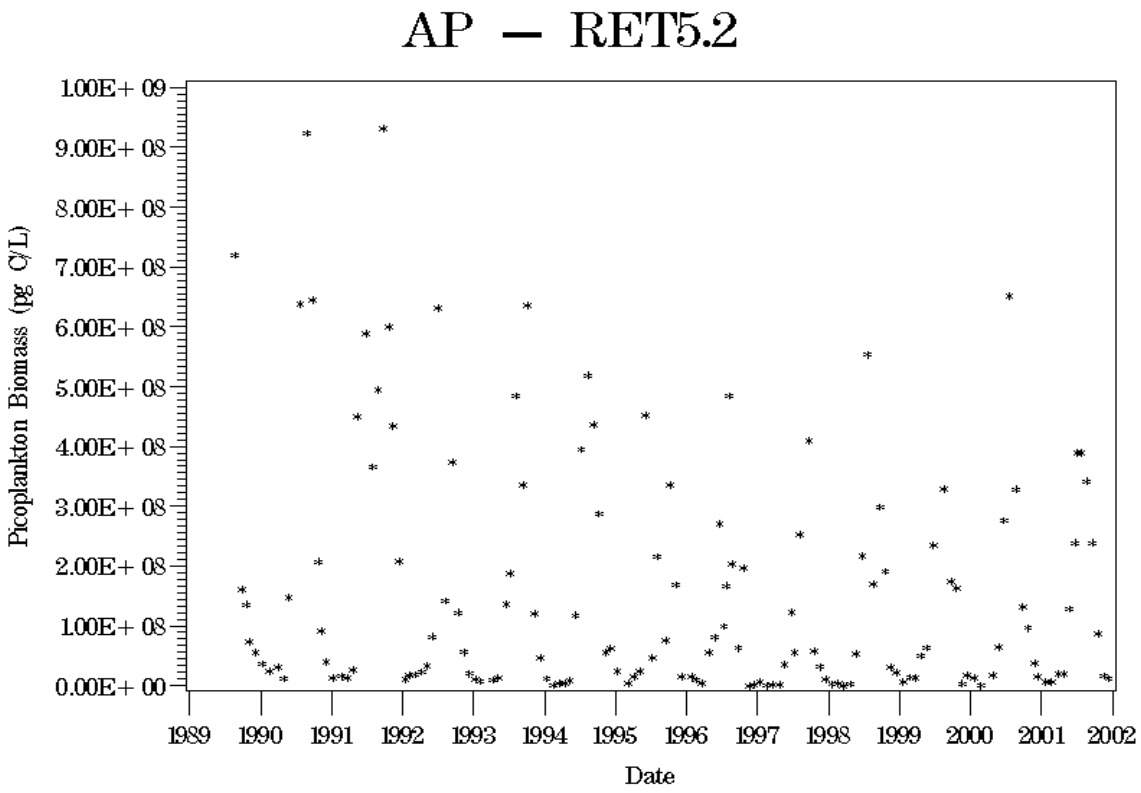

Figure F41. Plot of above pycnocline picoplankton biomass against time at station RET5.2 for the period of 1989 through 2001.

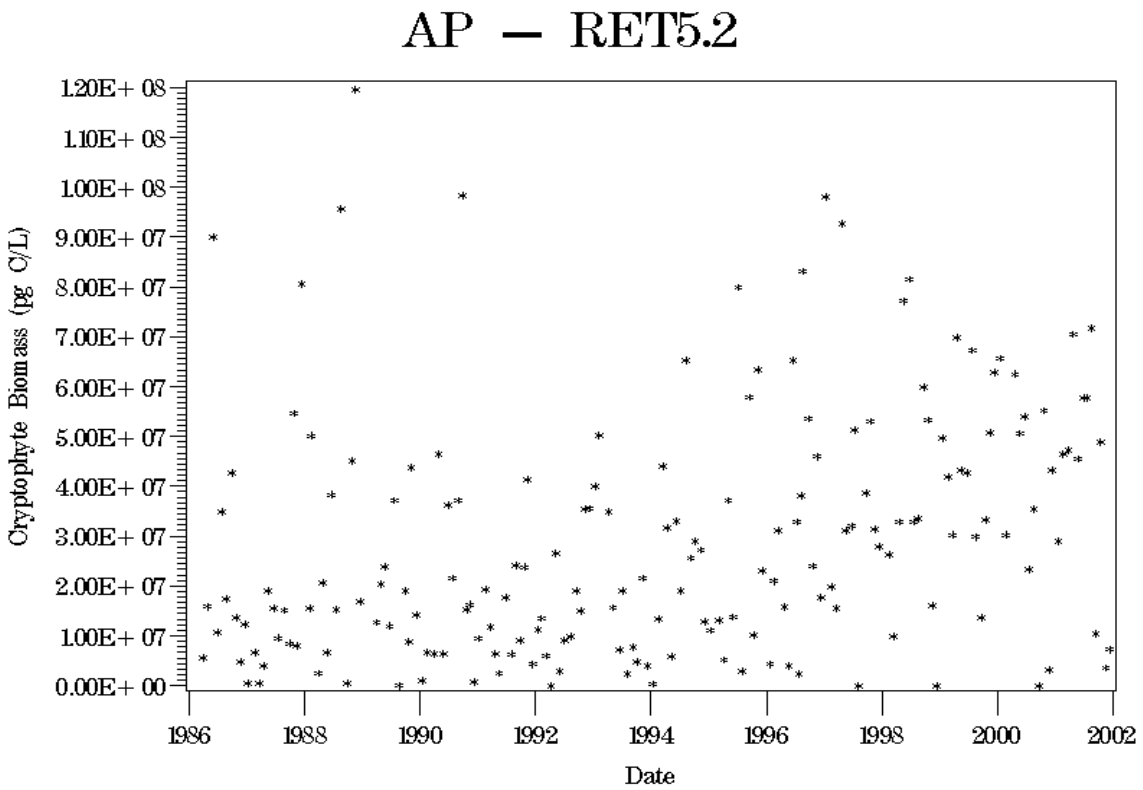

Figure F42. Plot of above pycnocline cryptophyte biomass at station RET5.2 for the period of 1986 through 2001.

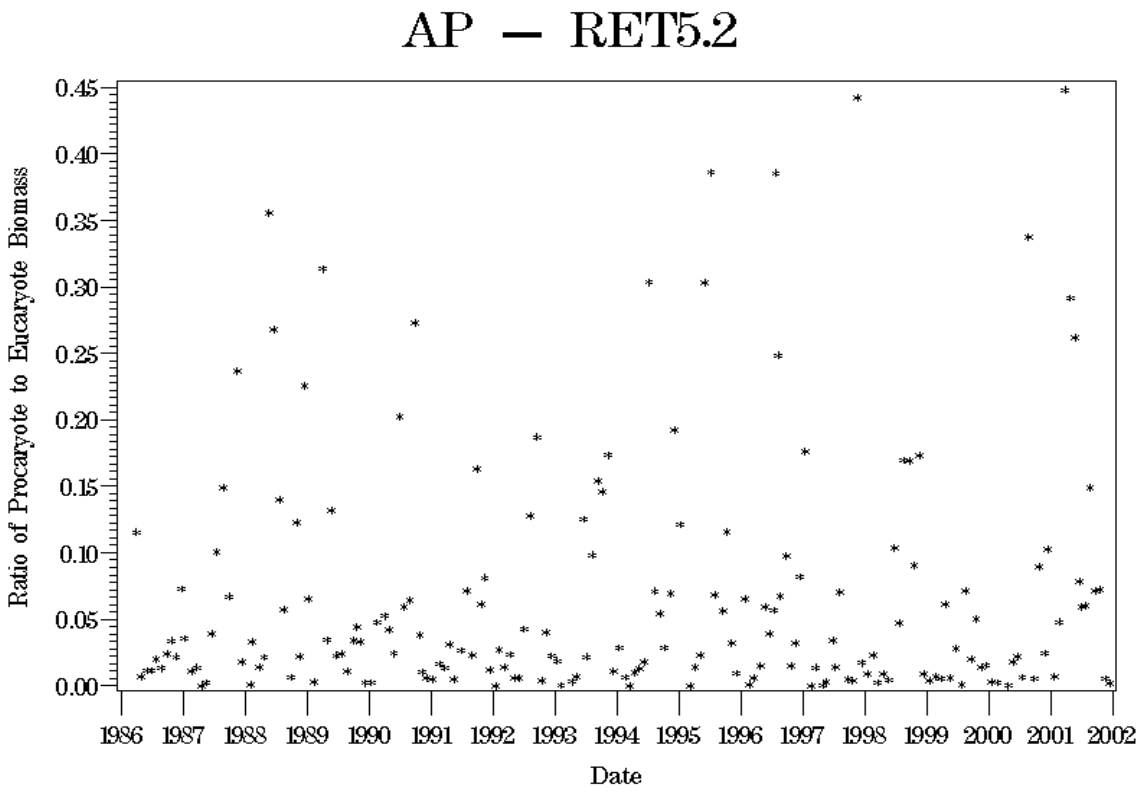

Figure F43. Plot of above pycnocline cyanophyte abundance at station RET5.2 for the period of 1986 through 2001.

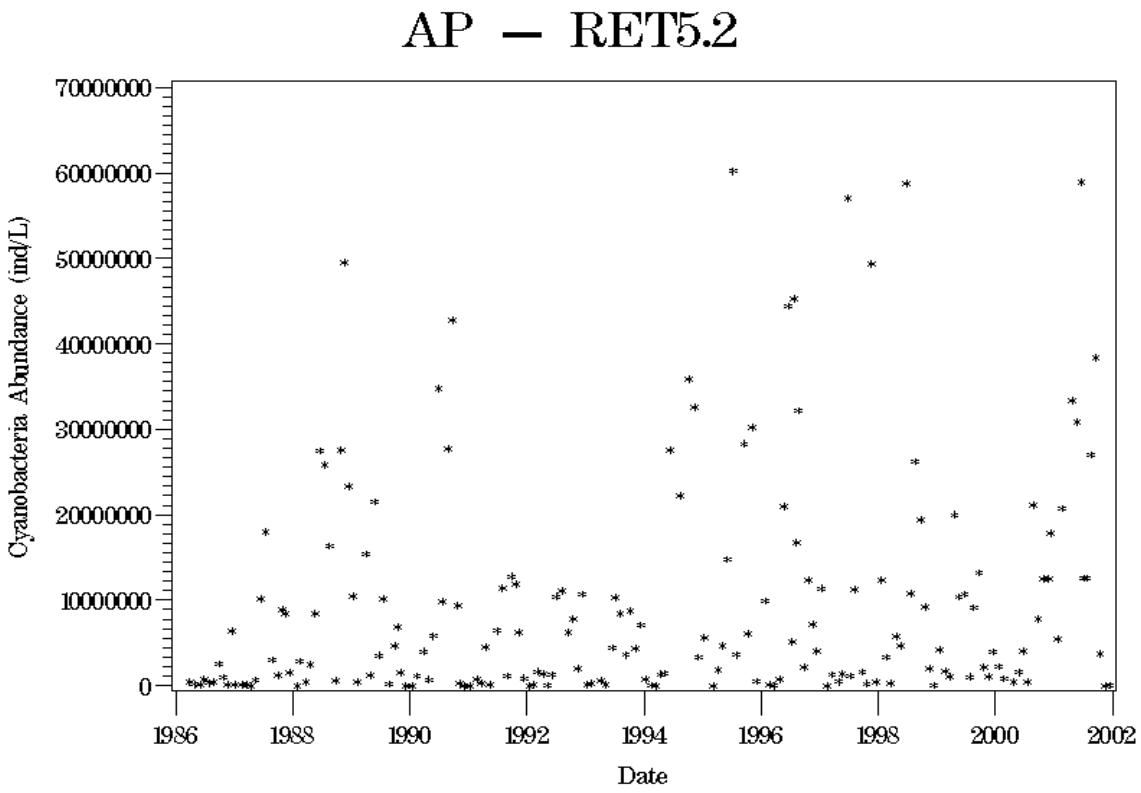

Figure F44. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station RET5.2 for the period of 1986 through 2001.

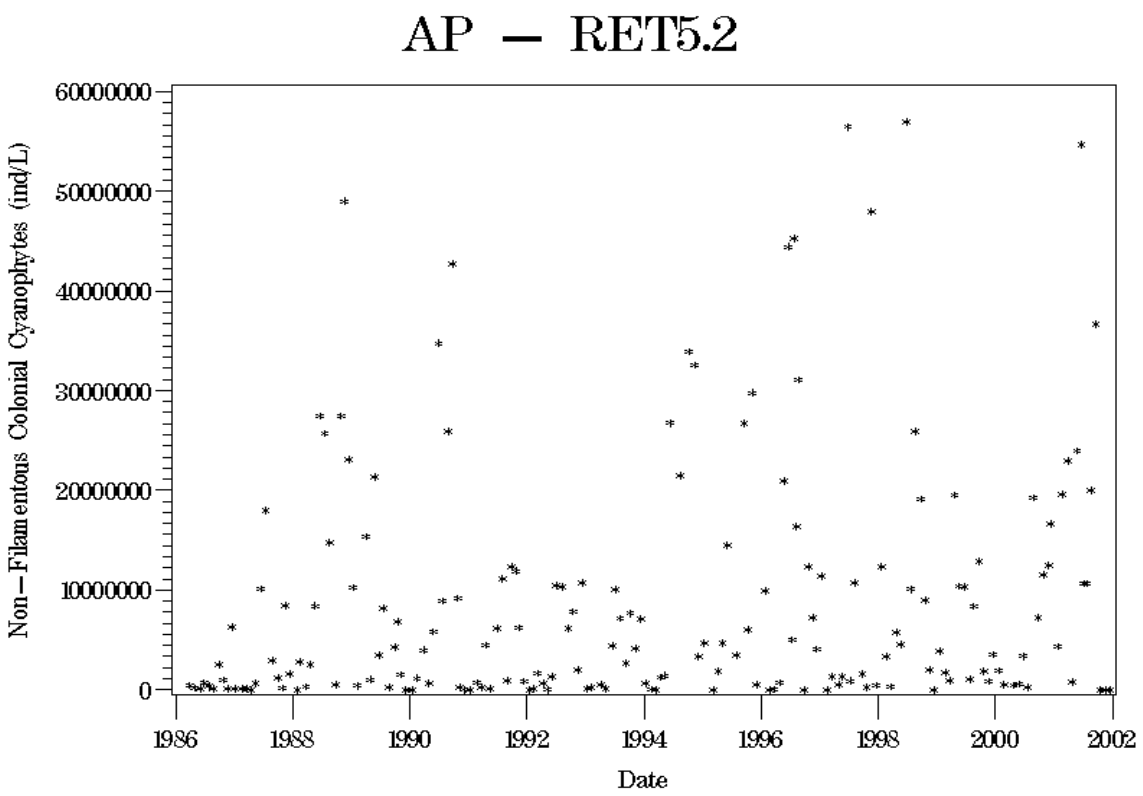

Figure F45. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station RET5.2 for the period of 1986 through 2001.

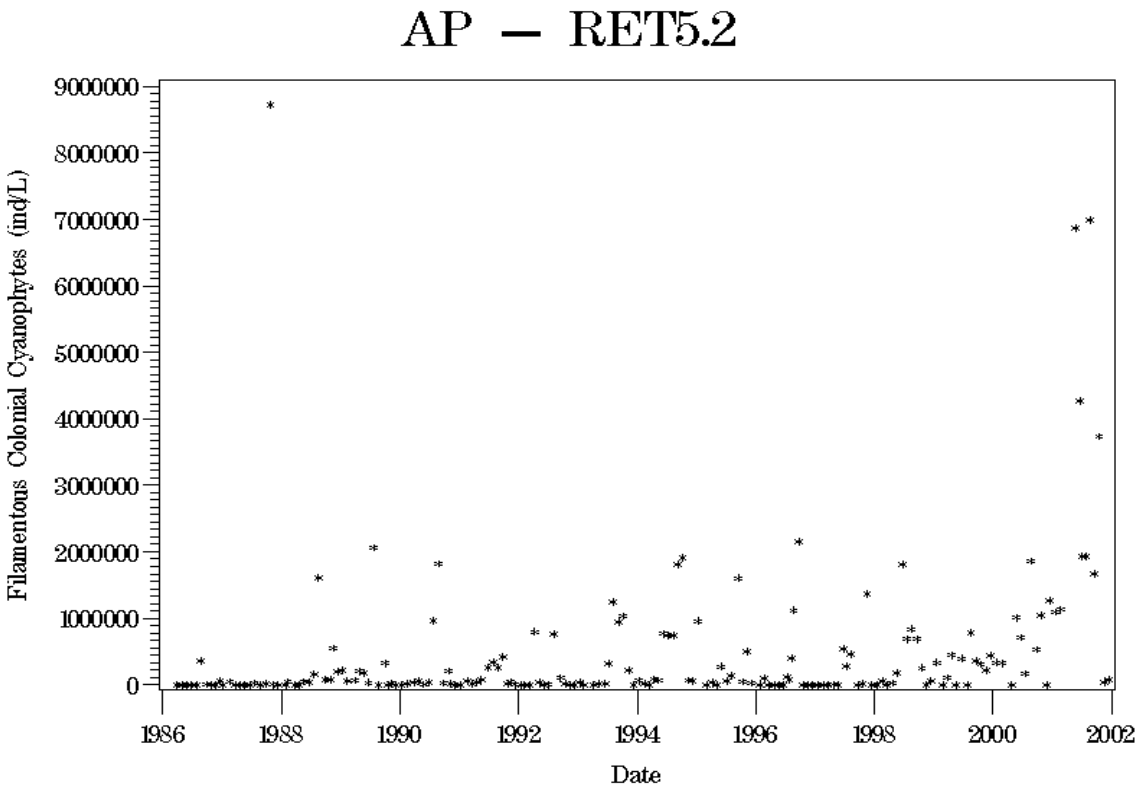

Figure F46. Plot of above pycnocline filamentous colonial cyanophyte abundance at station RET5.2 for the period of 1986 through 2001.

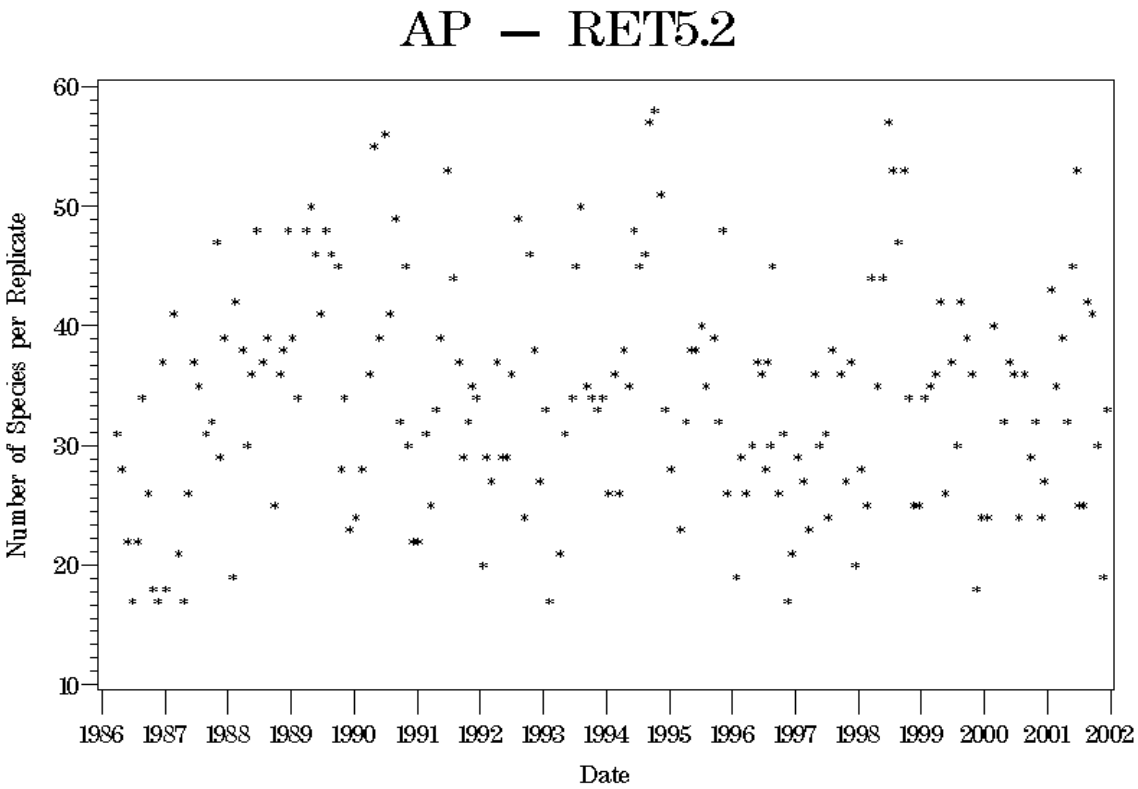

Figure F47. Plot of above pycnocline number of species per replicate at station RET5.2 for the period of 1986 through 2001.

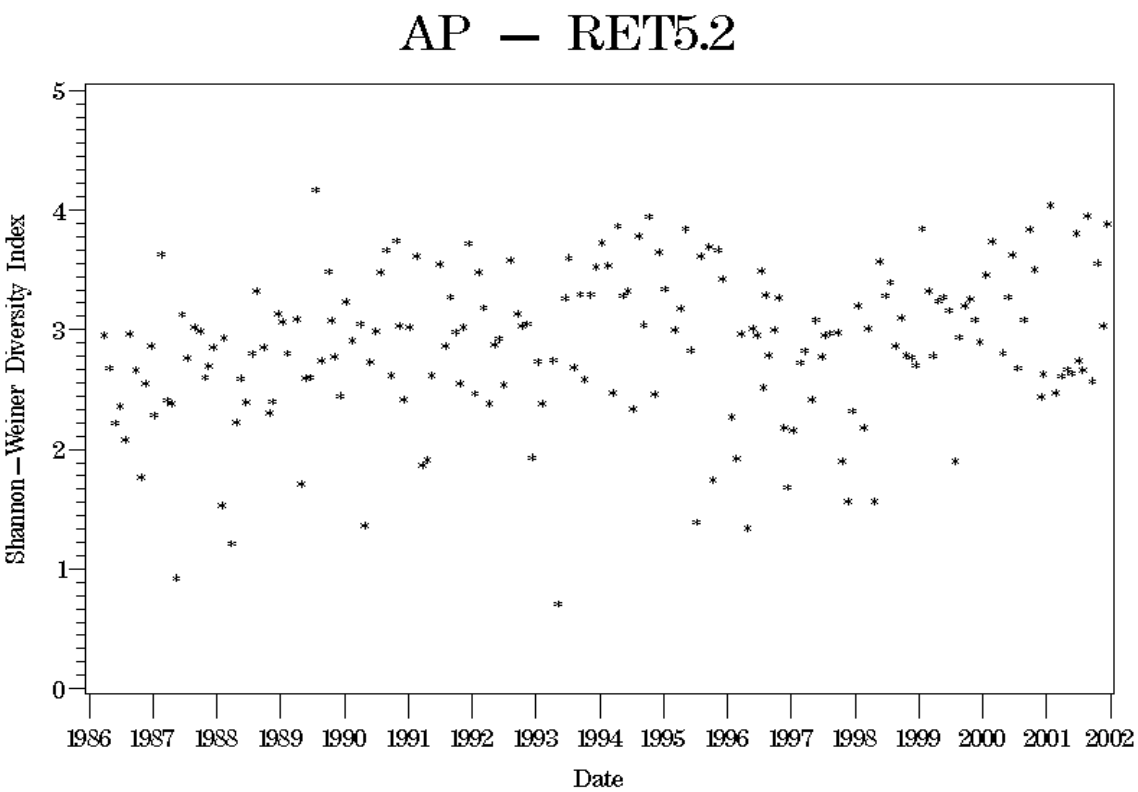

Figure F48. Plot of above pycnocline Shannon-Weiner diversity index at station RET5.2 for the period of 1986 through 2001.

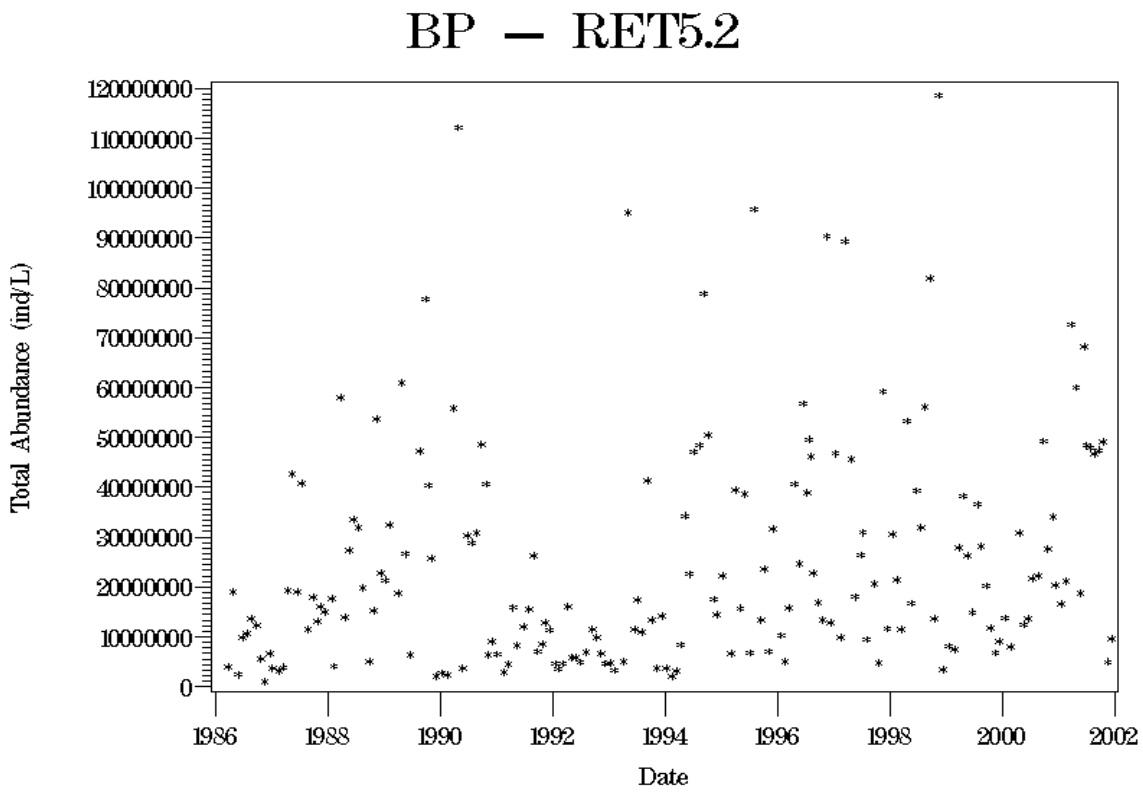

Figure F49. Plot of below pycnocline total phytoplankton abundance against time at station RET5.2 for the period of 1986 through 2001.

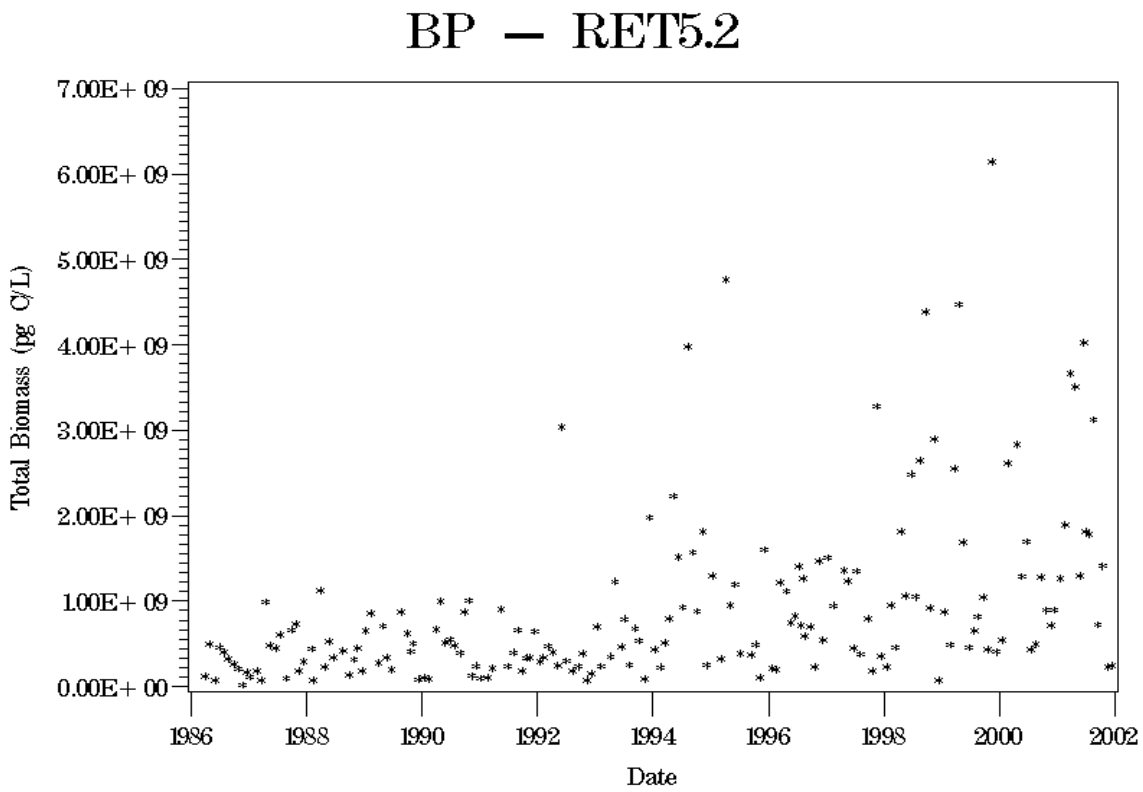

Figure F50. Plot of below pycnocline total phytoplankton biomass against time at station RET5.2 for the period of 1986 through 2001.

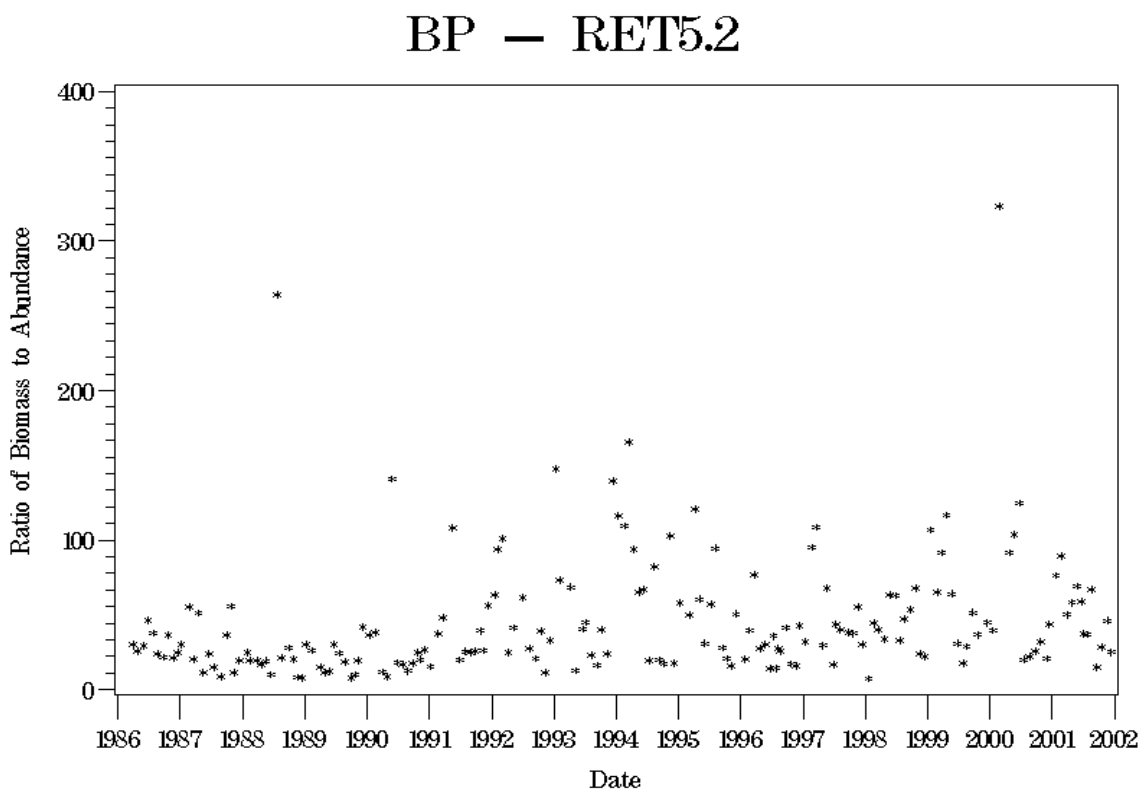

Figure F51. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station RET5.2 for the period of 1986 through 2001.

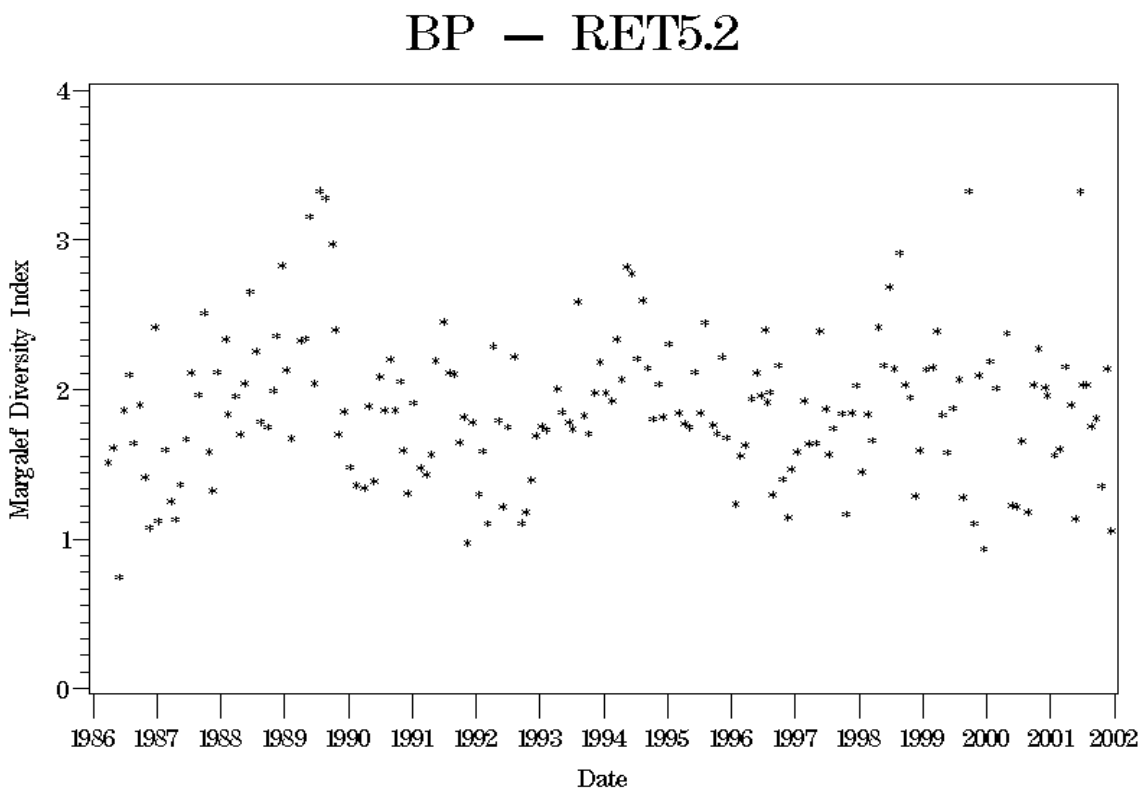

Figure F52. Plot of below pycnocline Margalef diversity index against time at station RET5.2 for the period of 1986 through 2001.

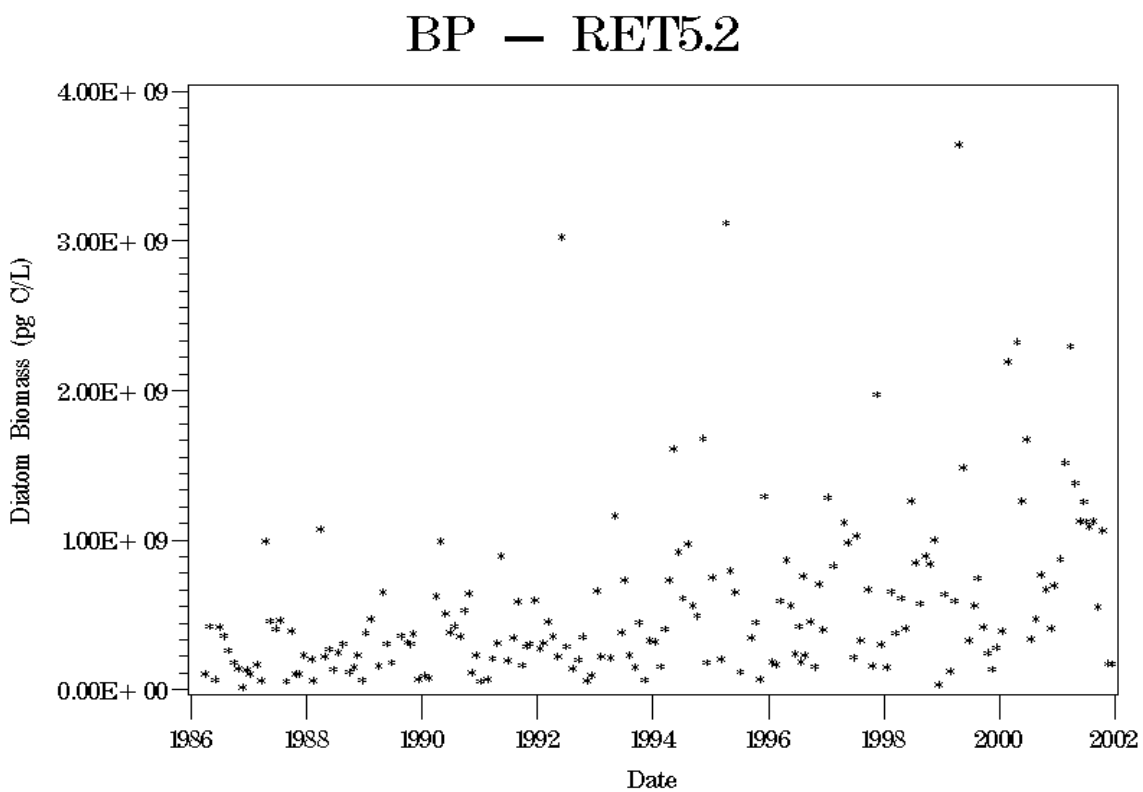

Figure F53. Plot of below pycnocline diatom biomass against time at station RET5.2 for the period of 1986 through 2001.

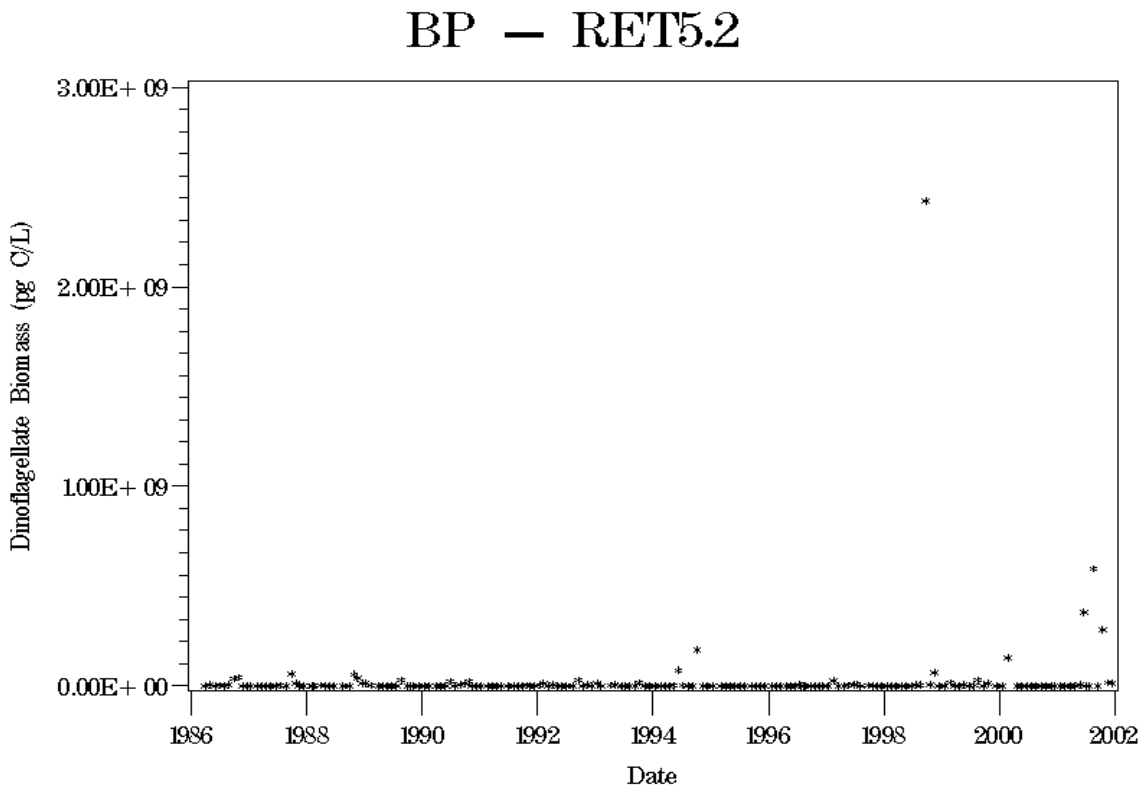

Figure F54. Plot of below pycnocline dinoflagellate biomass against time at station RET5.2 for the period of 1986 through 2001.

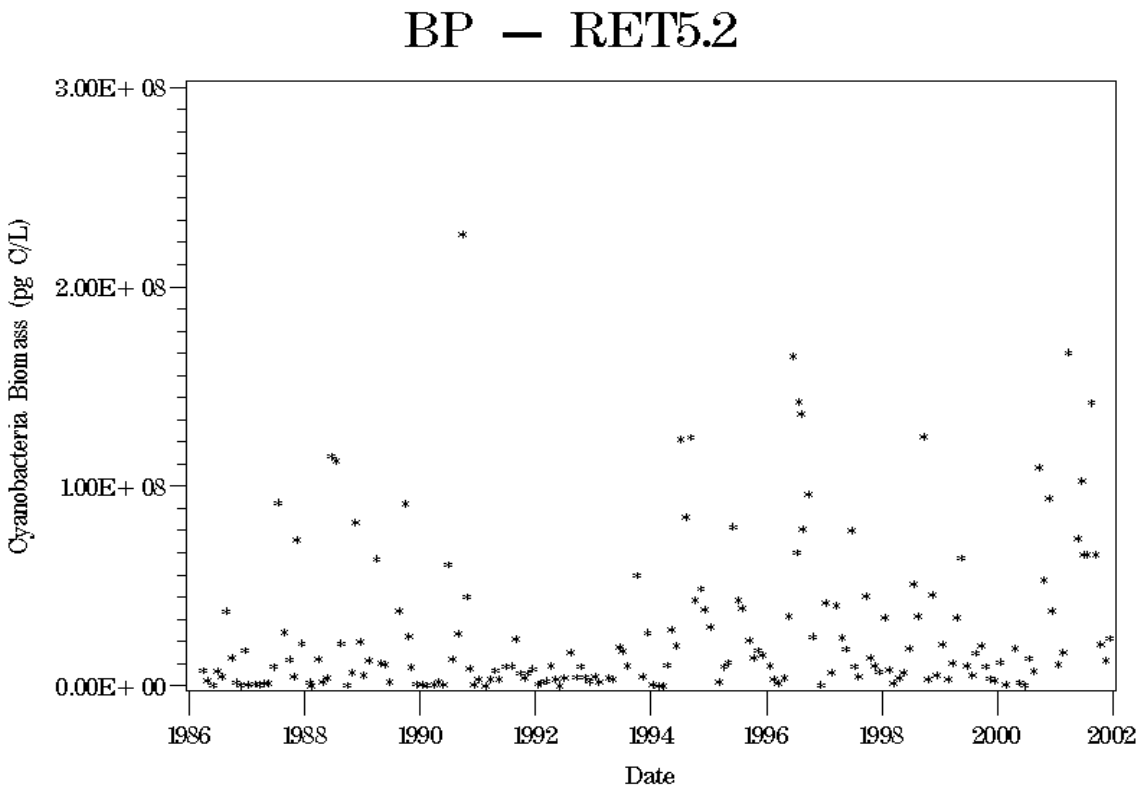

Figure F55. Plot of below pycnocline cyanobacteria biomass against time at station RET5.2 for the period of 1986 through 2001.

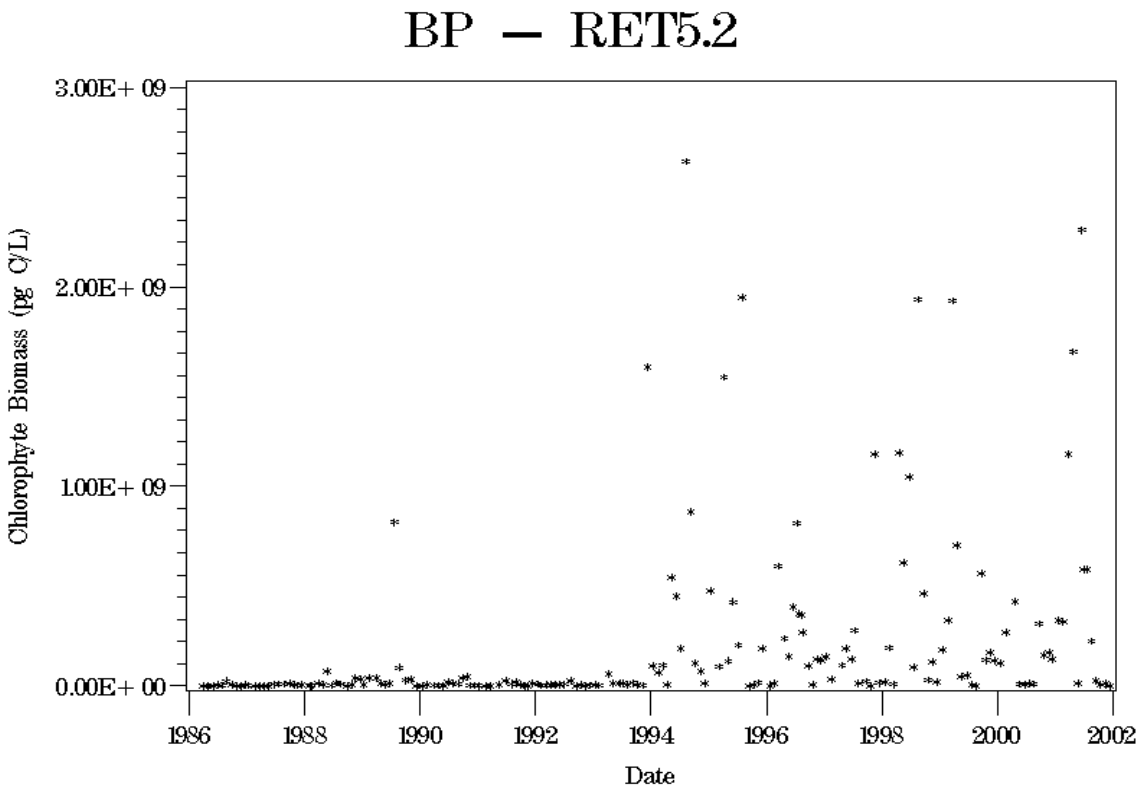

Figure F56. Plot of below pycnocline chlorophyte biomass against time at station RET5.2 for the period of 1986 through 2001.

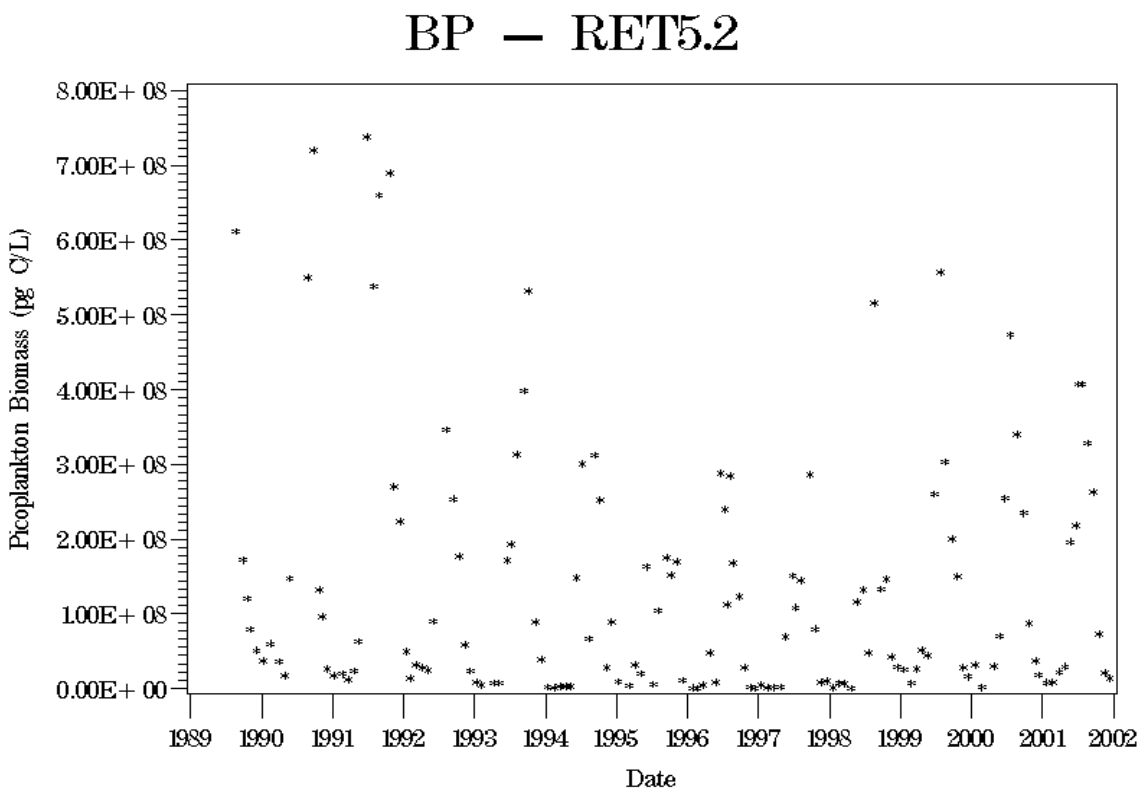

Figure F57. Plot of below pycnocline picoplankton biomass against time at station RET5.2 for the period of 1989 through 2001.

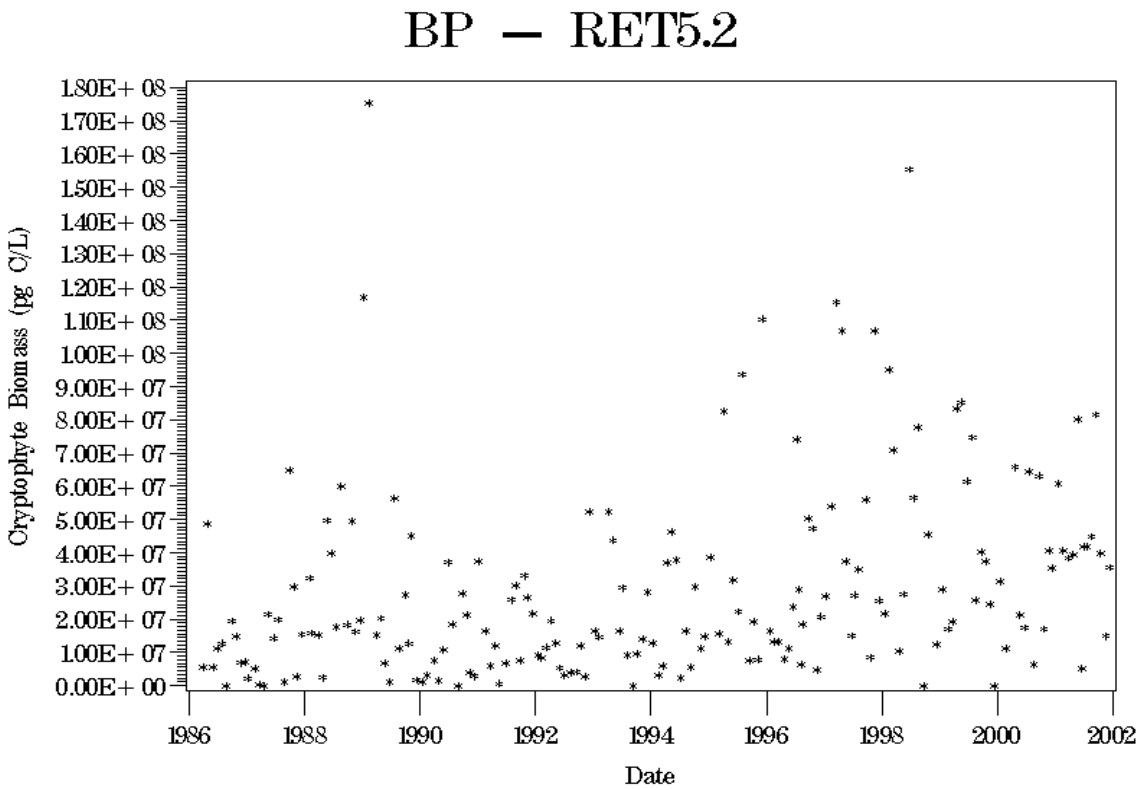

Figure F58. Plot of below pycnocline cryptophyte biomass at station RET5.2 for the period of 1986 through 2001.

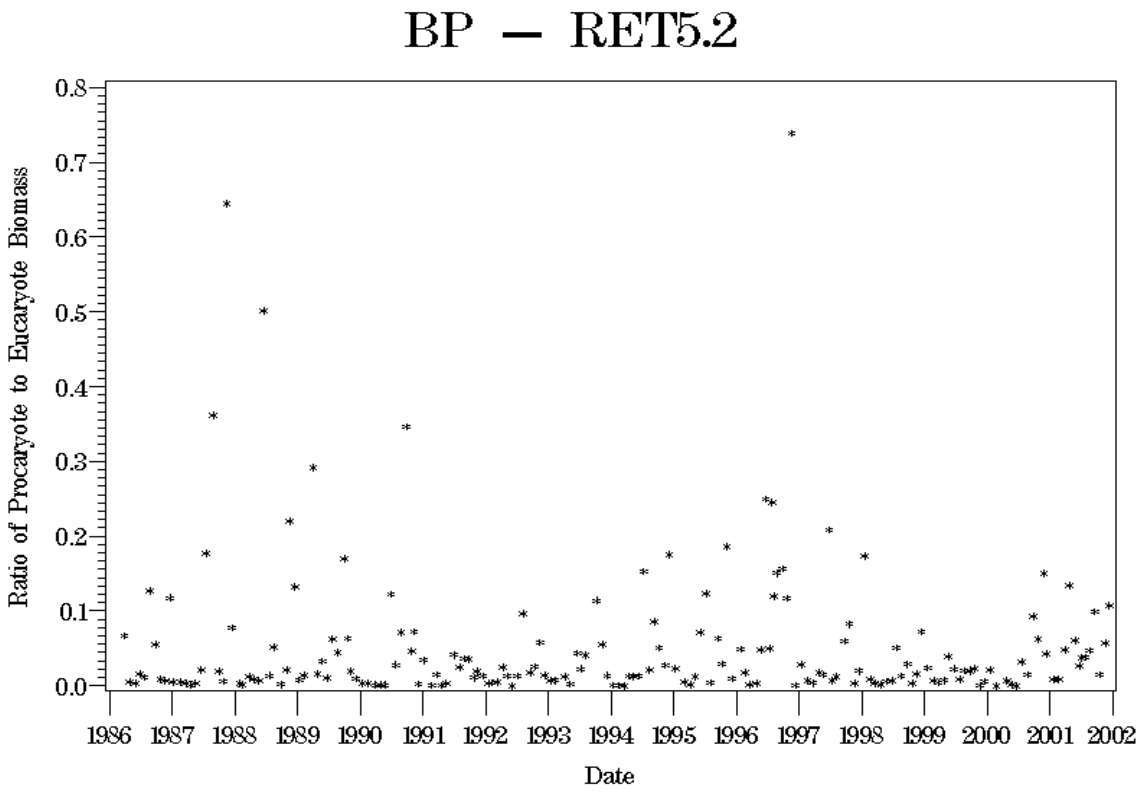

Figure F59. Plot of below pycnocline cyanophyte abundance at station RET5.2 for the period of 1986 through 2001.

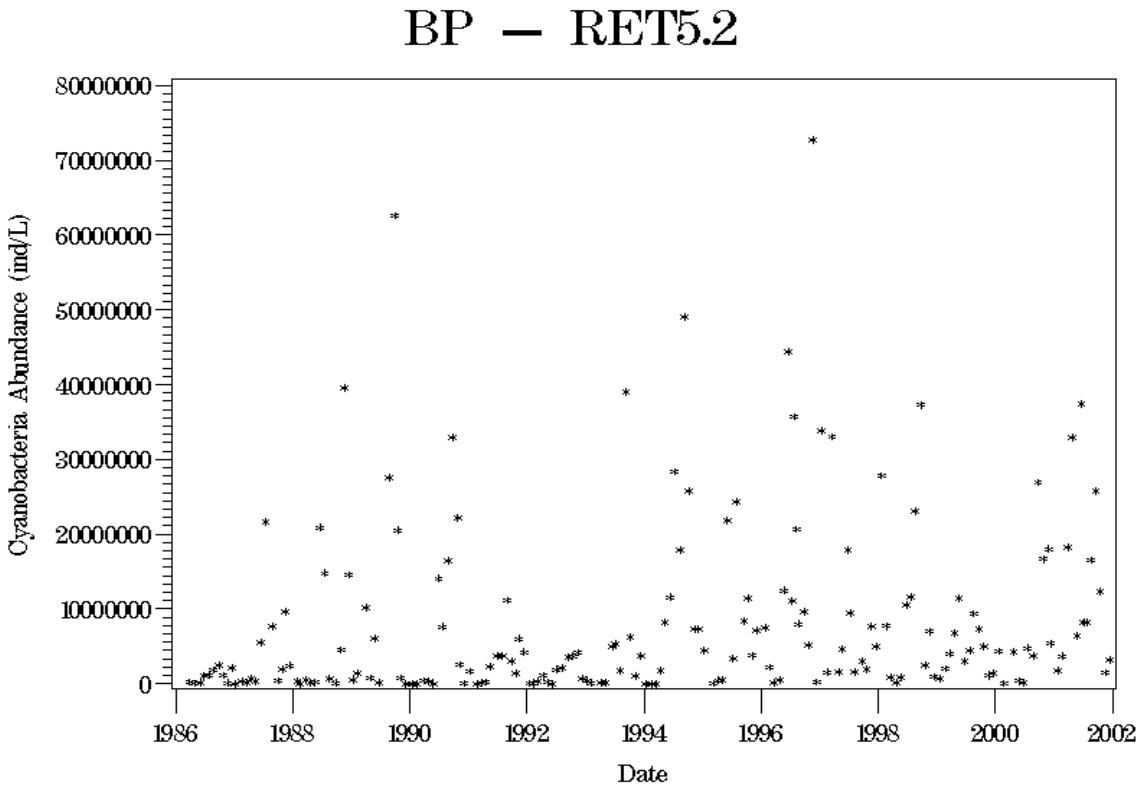

Figure F60. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station RET5.2 for the period of 1986 through 2001.

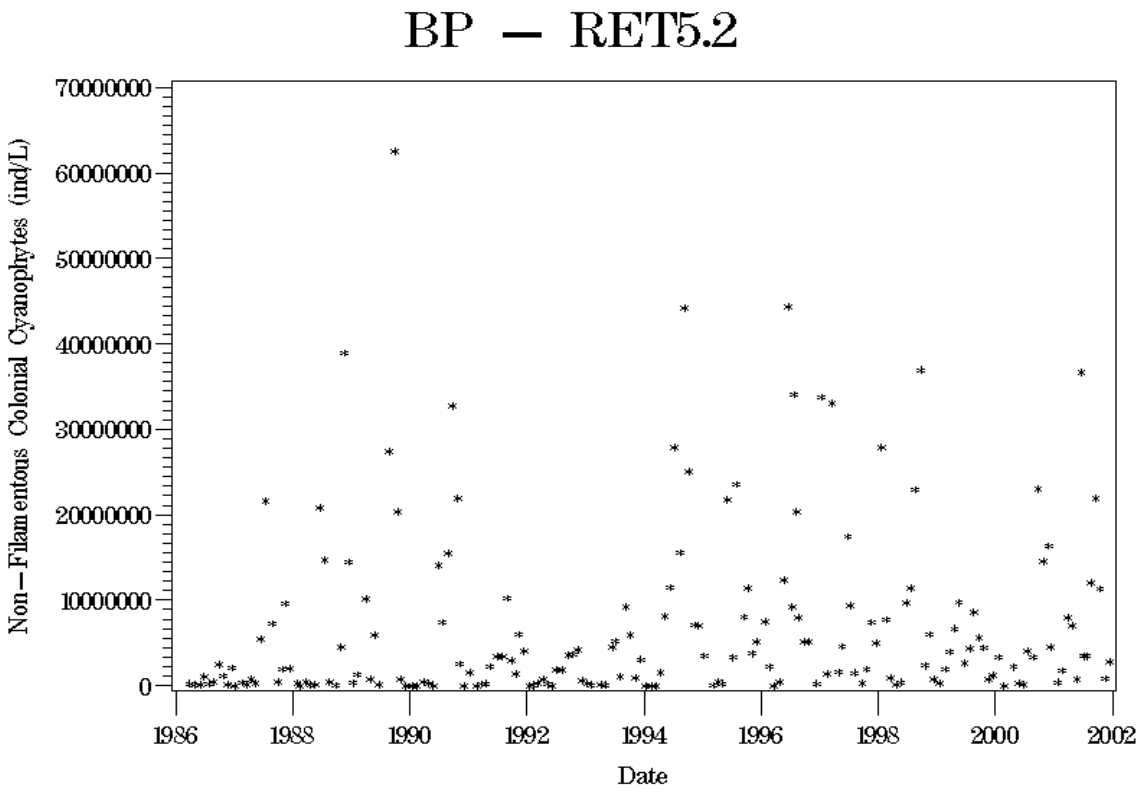

Figure F6l. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station RET5.2 for the period of 1986 through 2001.

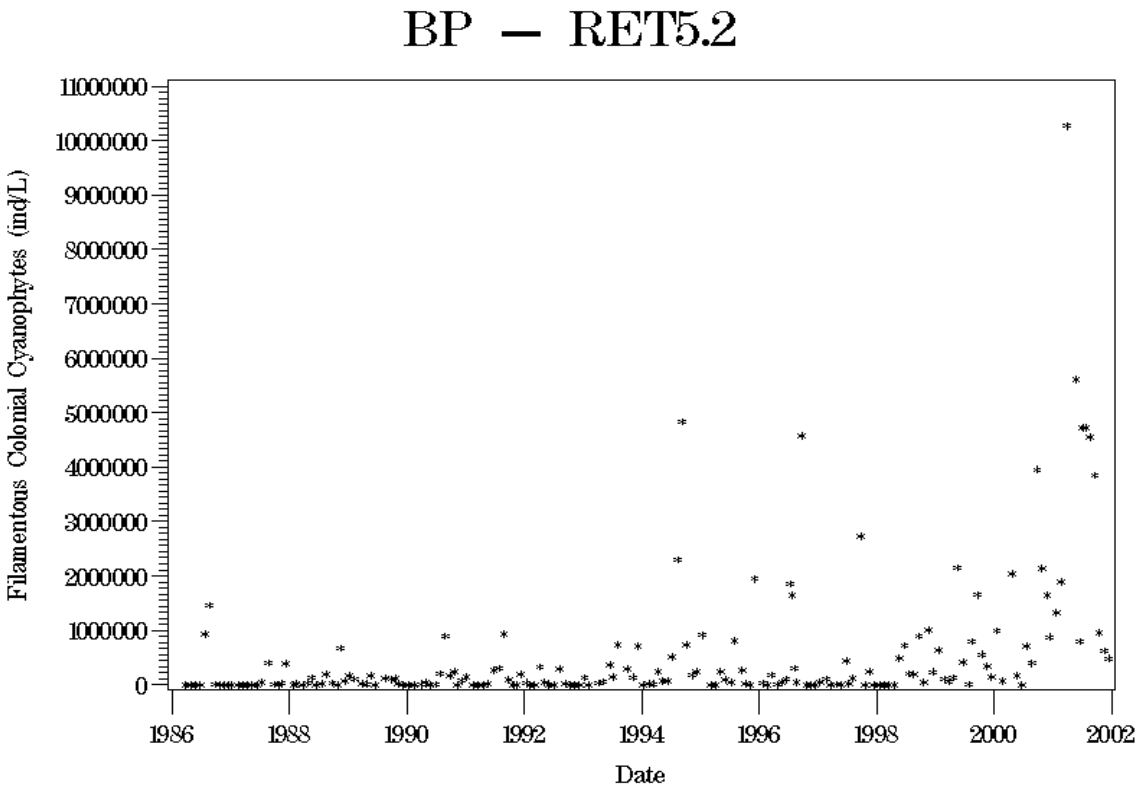

Figure F62. Plot of below pycnocline filamentous colonial cyanophyte abundance at station RET5.2 for the period of 1986 through 2001.

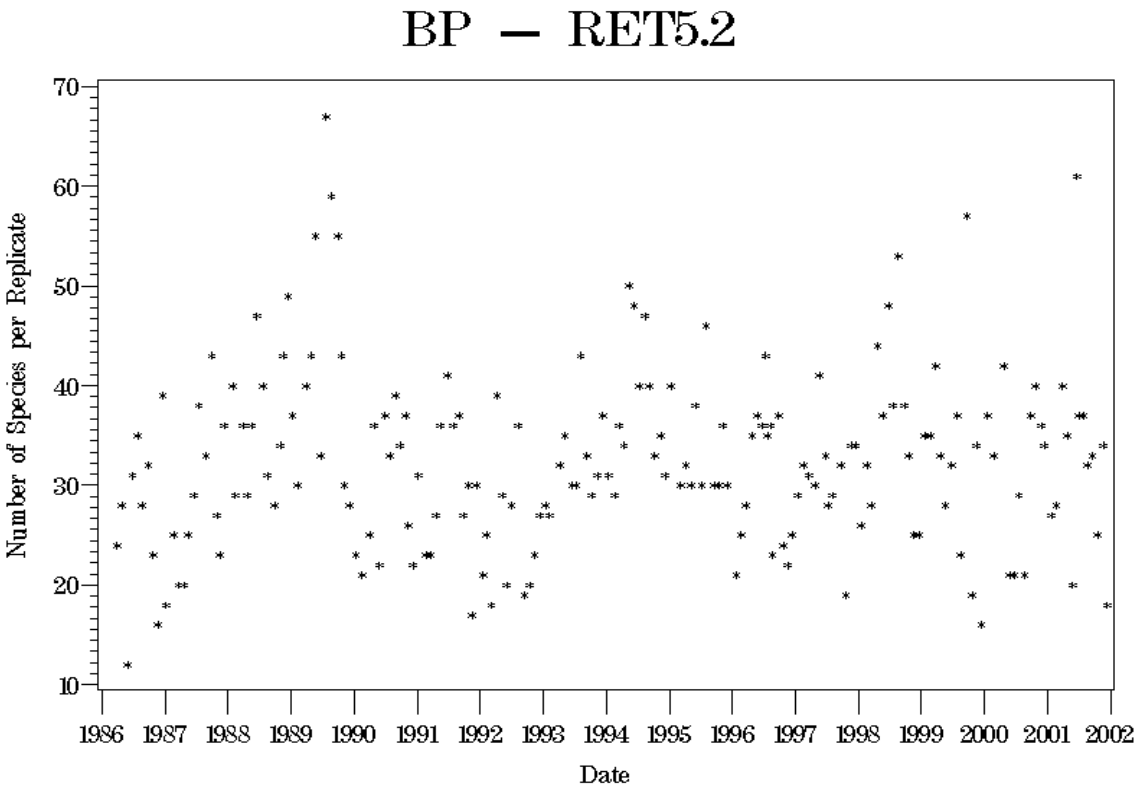

Figure F63. Plot of below pycnocline number of species per replicate at station RET5.2 for the period of 1986 through 2001.

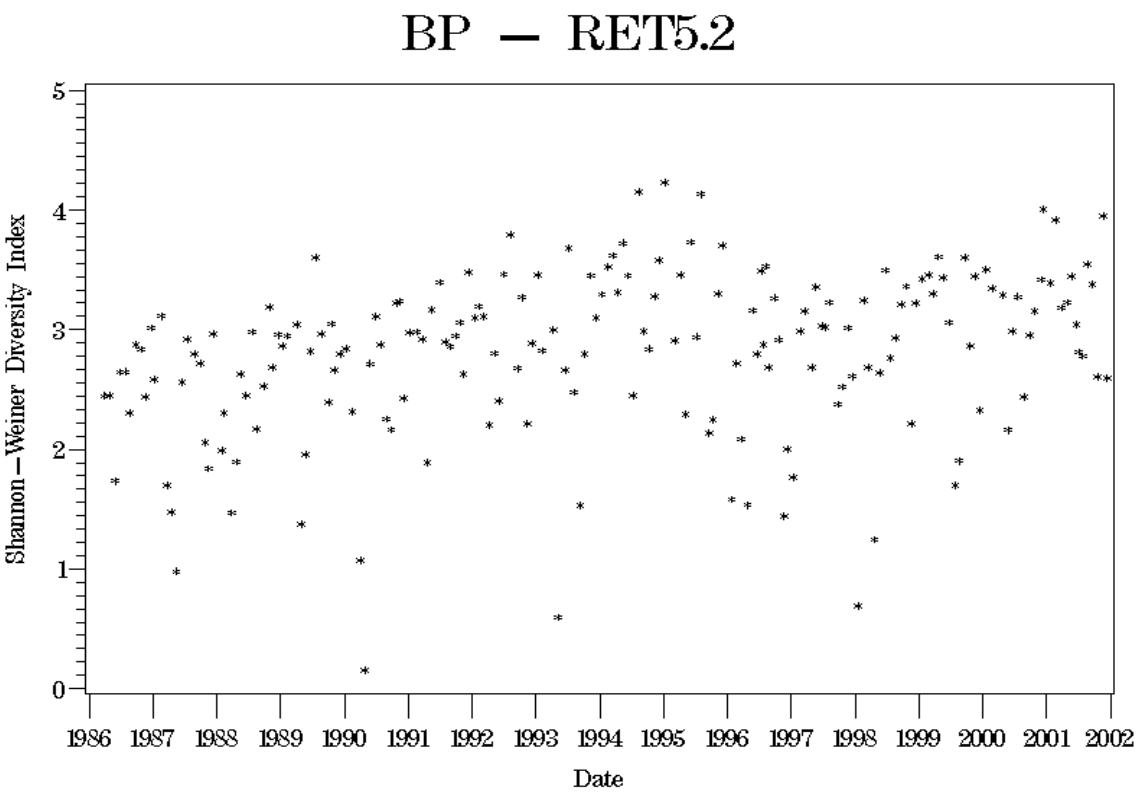

Figure F64. Plot of below pycnocline Shannon-Weiner diversity index at station RET5.2 for the period of 1986 through 2001.

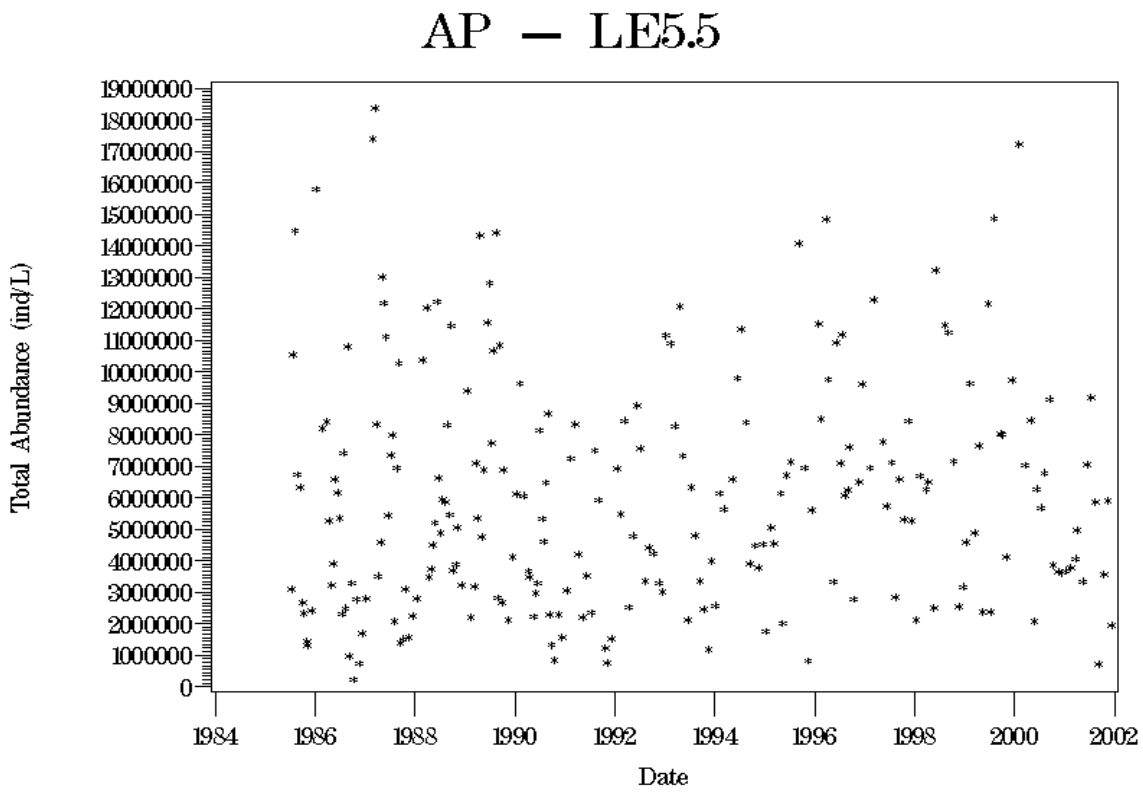

Figure F65. Plot of above pycnocline total phytoplankton abundance against time at station LE5.5 for the period of 1985 through 2001.

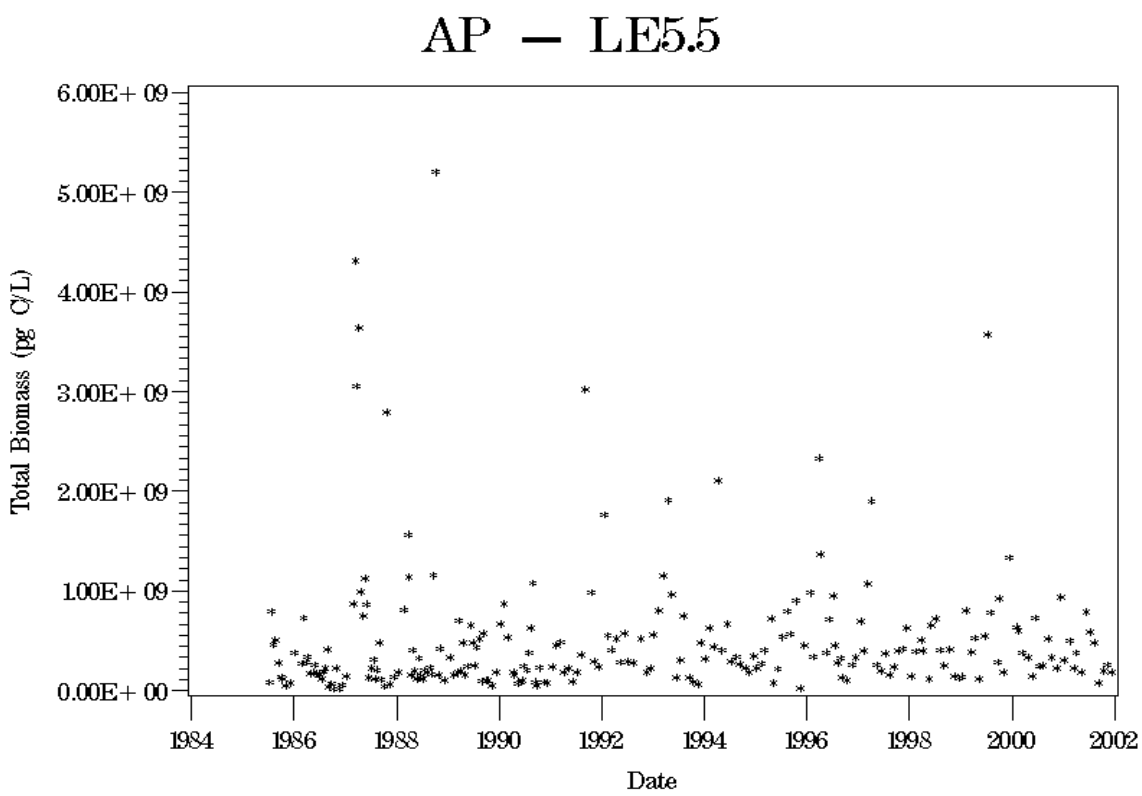

Figure F66. Plot of above pycnocline total phytoplankton biomass against time at station LE5.5 for the period of 1985 through 2001.

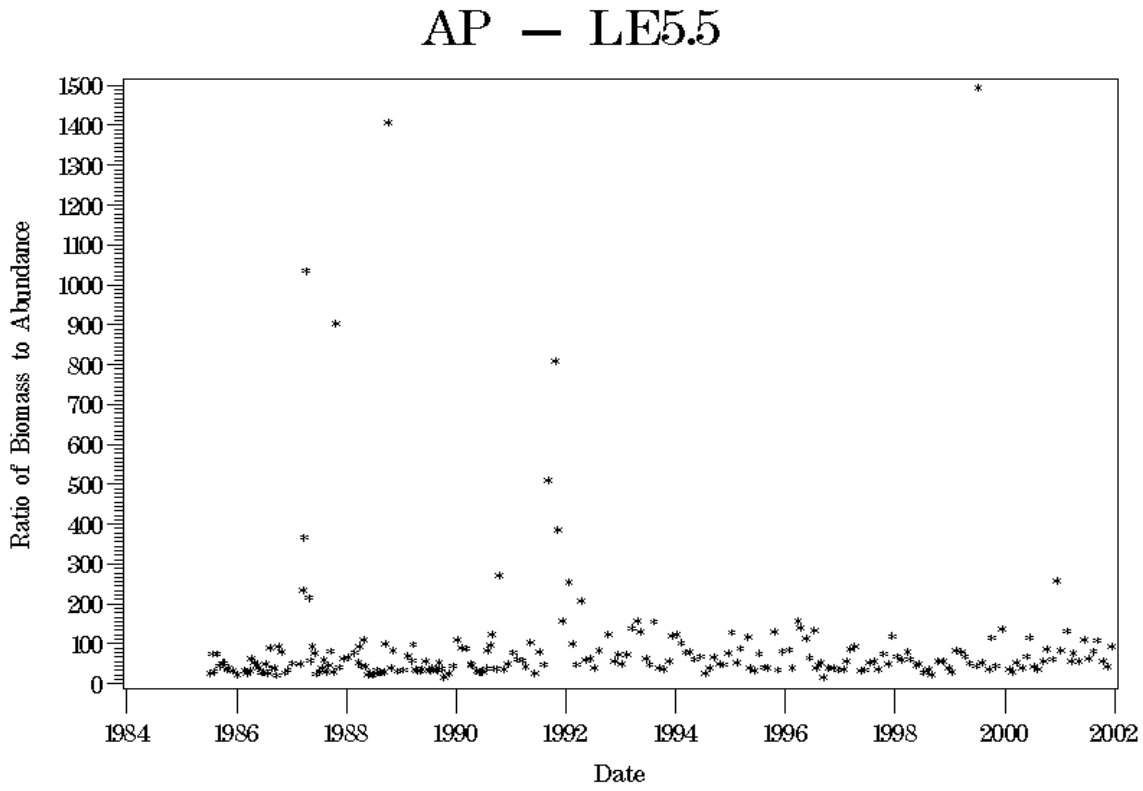

Figure F67. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station LE5.5 for the period of 1985 through 2001.

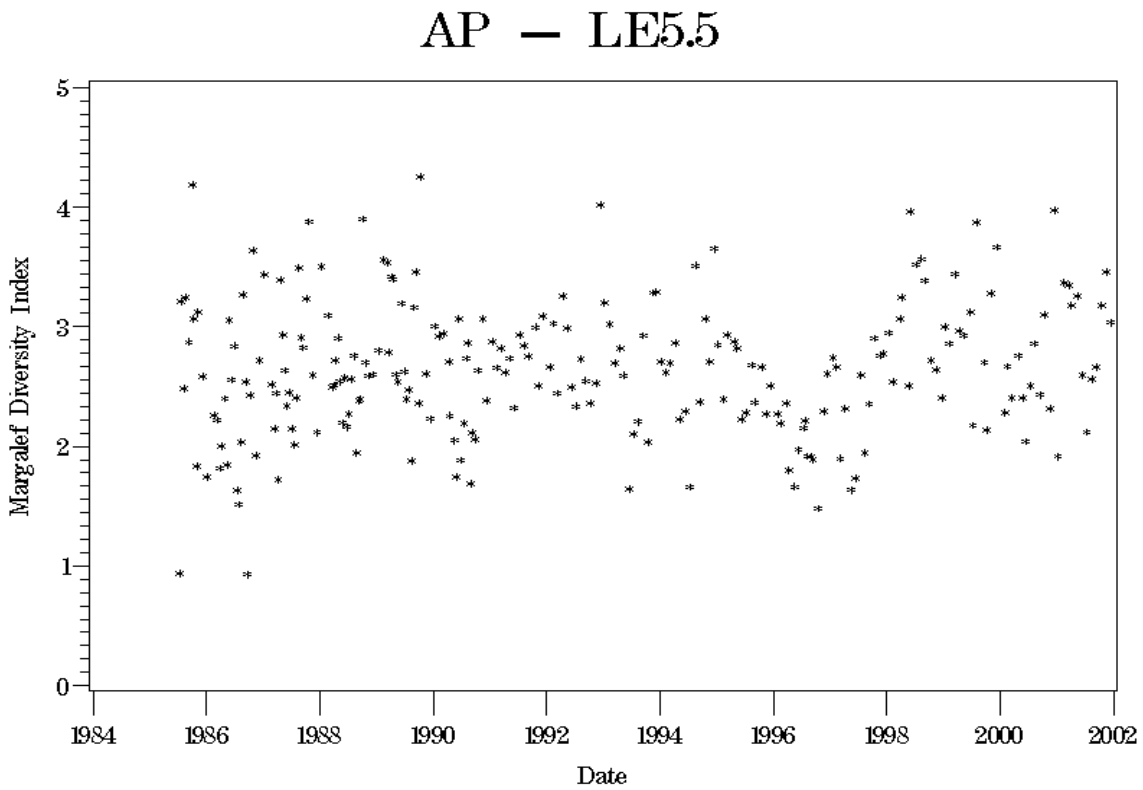

Figure F68. Plot of above pycnocline Margalef diversity index against time at station LE5.5 for the period of 1985 through 2001.

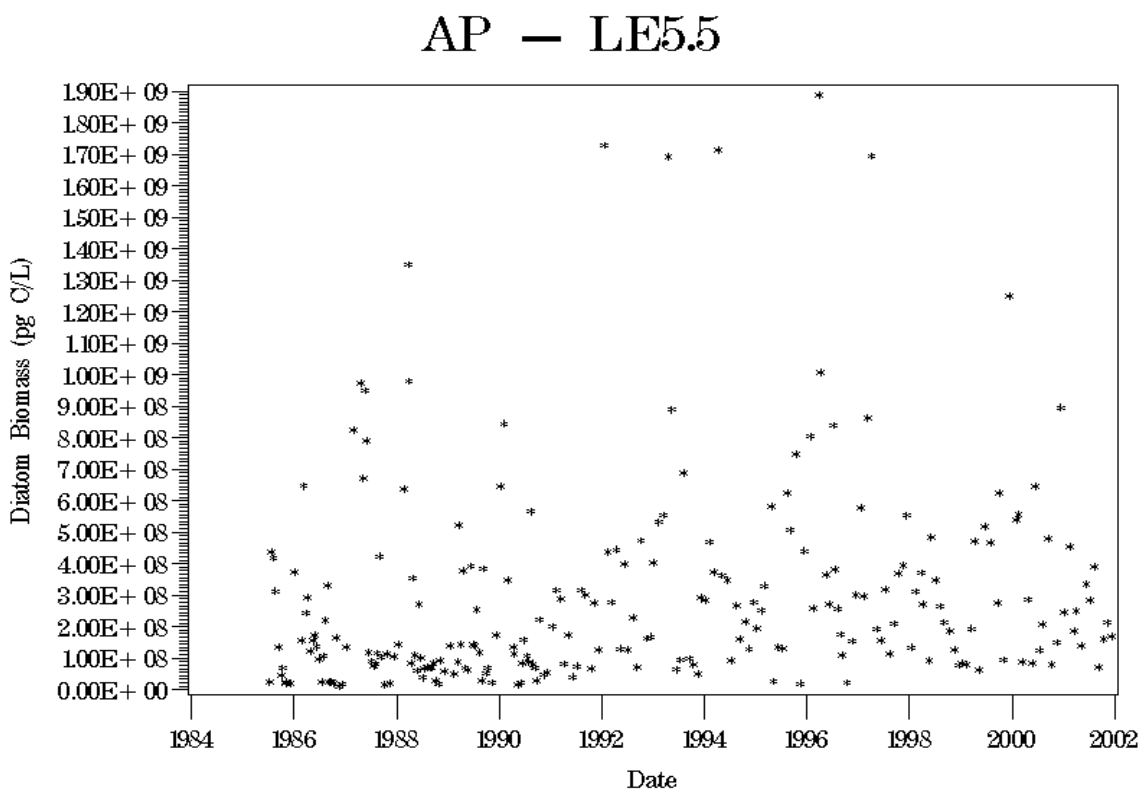

Figure F69. Plot of above pycnocline diatom biomass against time at station LE5.5 for the period of 1985 through 2001.

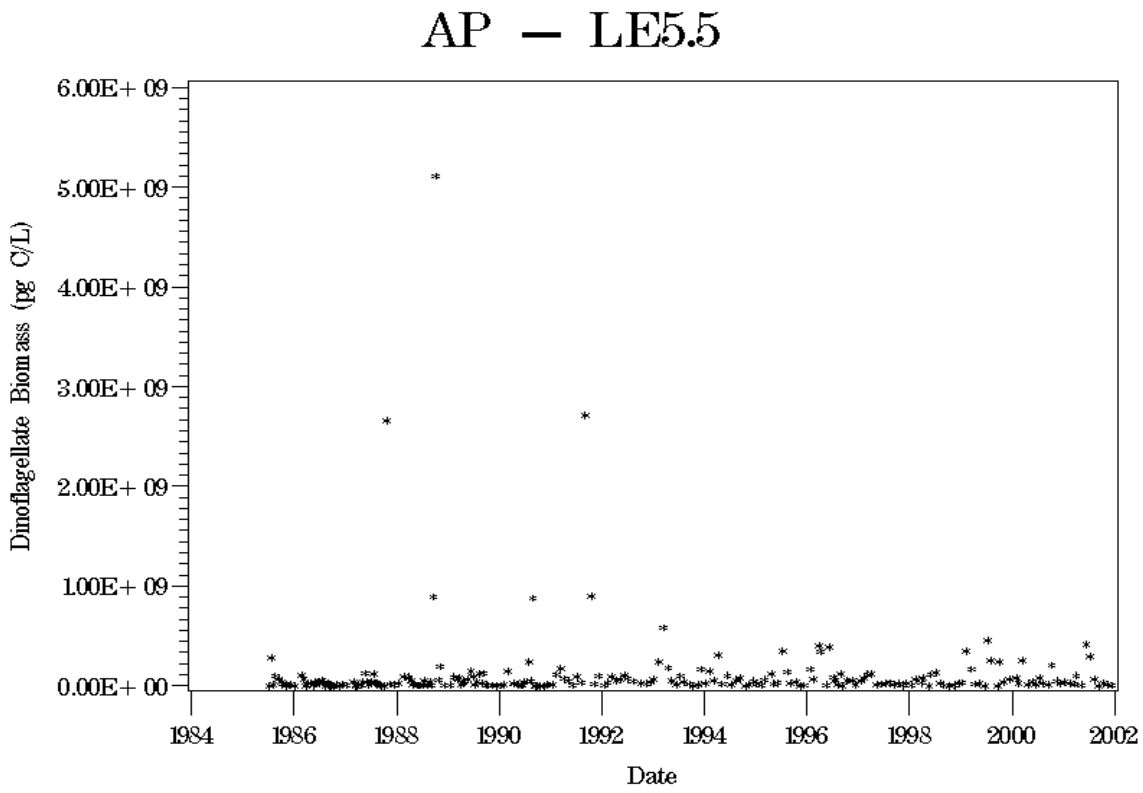

Figure F70. Plot of above pycnocline dinoflagellate biomass against time at station LE5.5 for the period of 1985 through 2001.

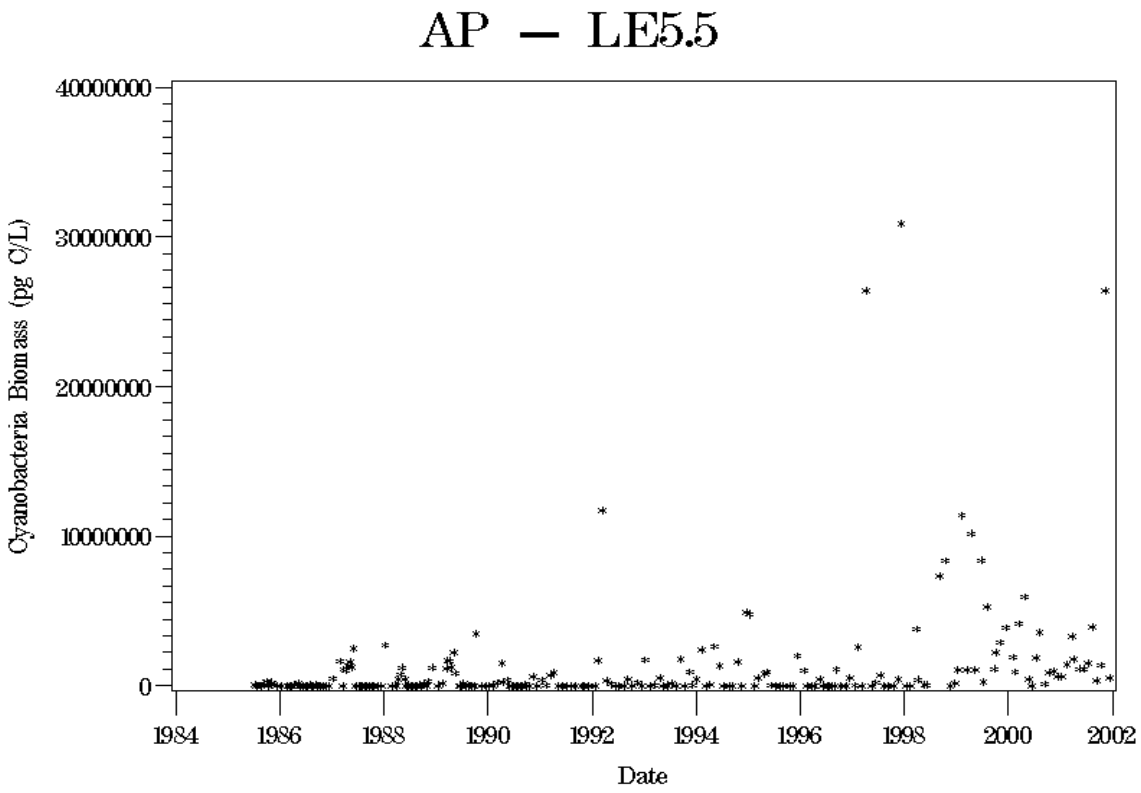

Figure F71. Plot of above pycnocline cyanobacteria biomass against time at station LE5.5 for the period of 1985 through 2001.

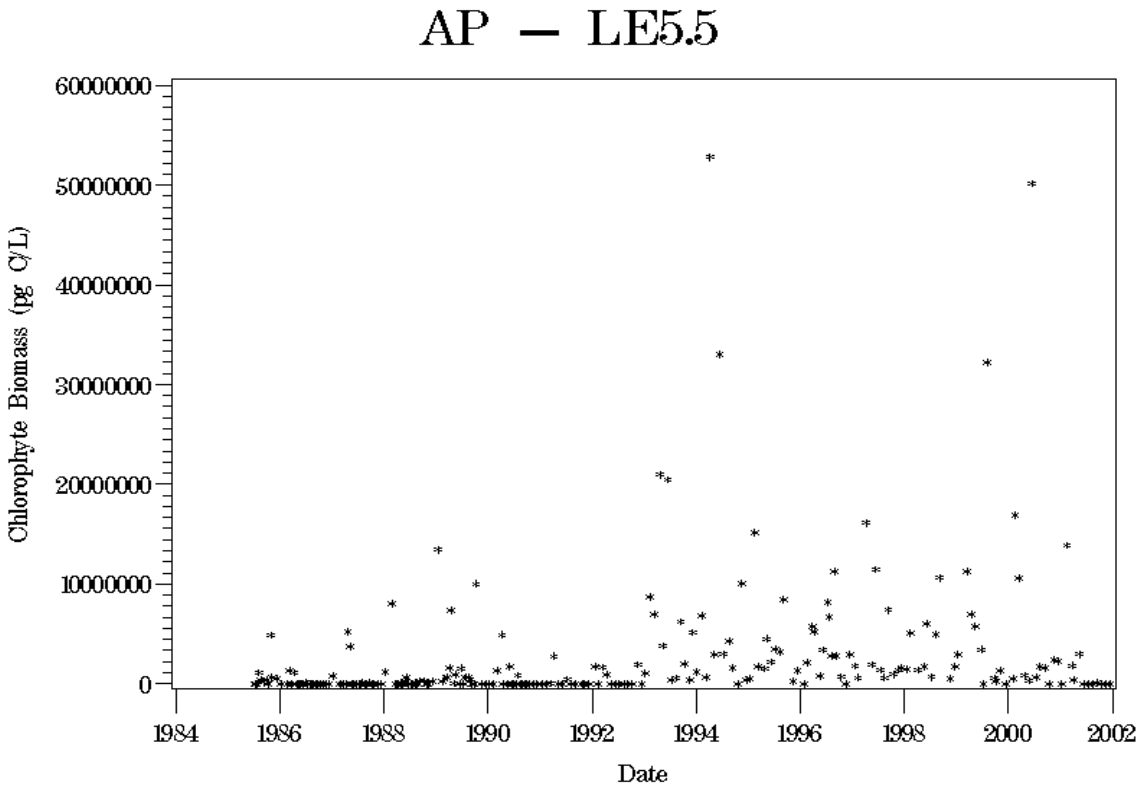

Figure F72. Plot of above pycnocline chlorophyte biomass against time at station LE5.5 for the period of 1985 through 2001.

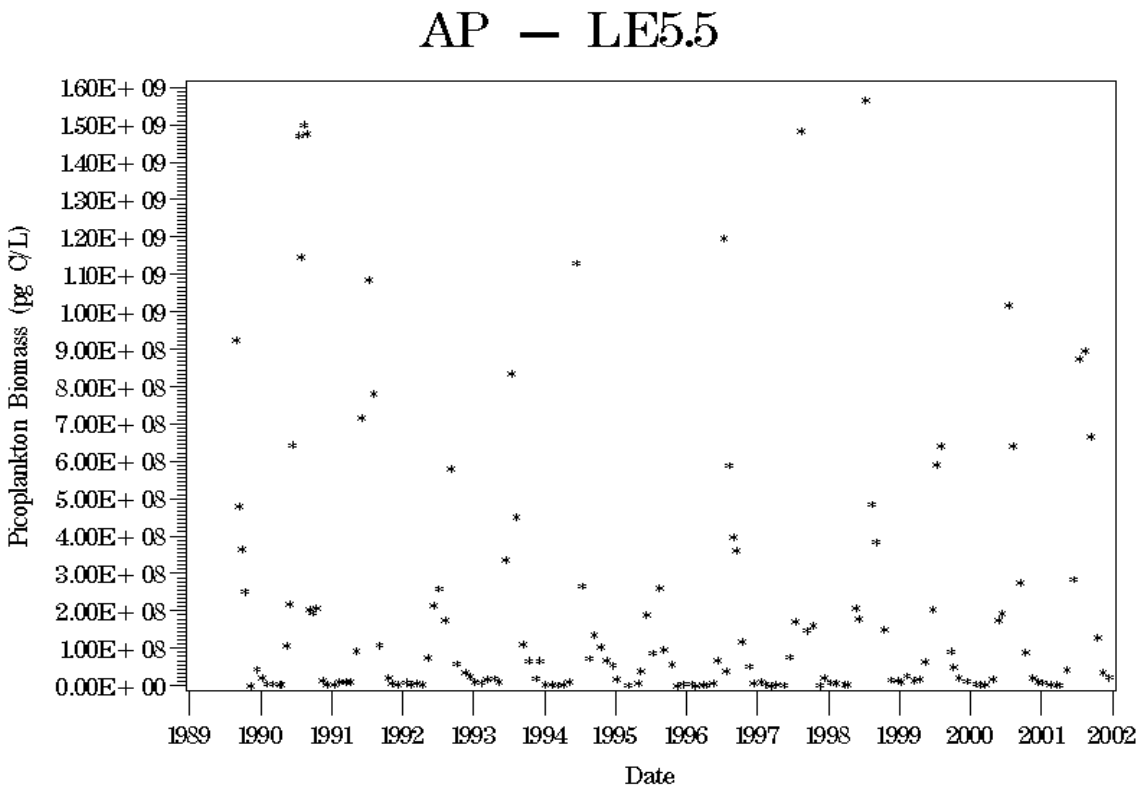

Figure F73. Plot of above pycnocline picoplankton biomass against time at station LE5.5 for the period of 1989 through 2001.

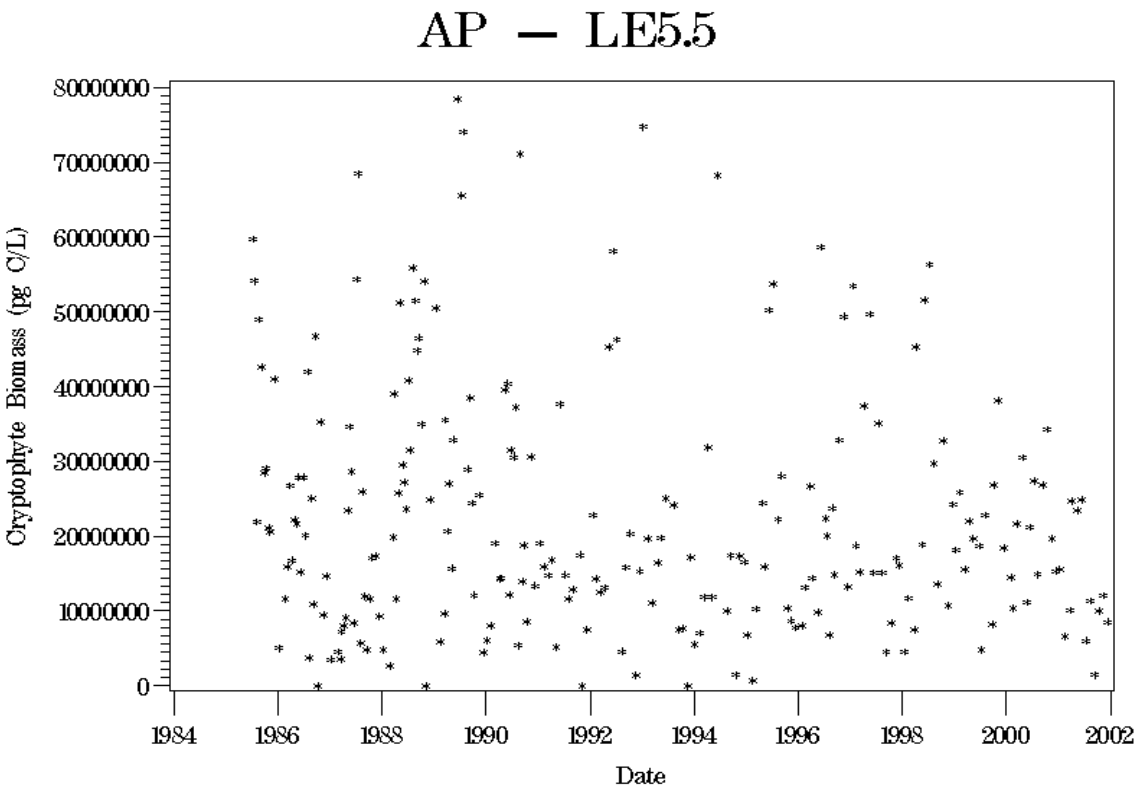

Figure F74. Plot of above pycnocline cryptophyte biomass at station LE5.5 for the period of 1985 through 2001.

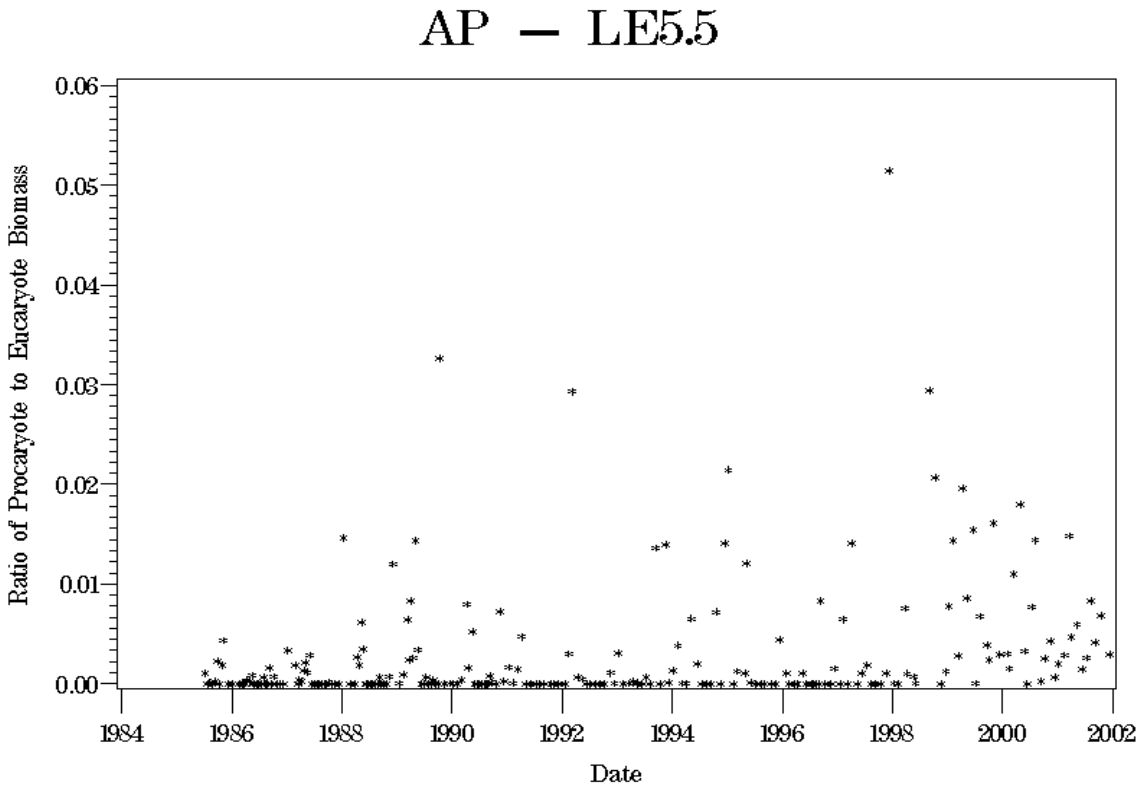

Figure F75. Plot of above pycnocline cyanophyte abundance at station LE5.5 for the period of 1985 through 2001.

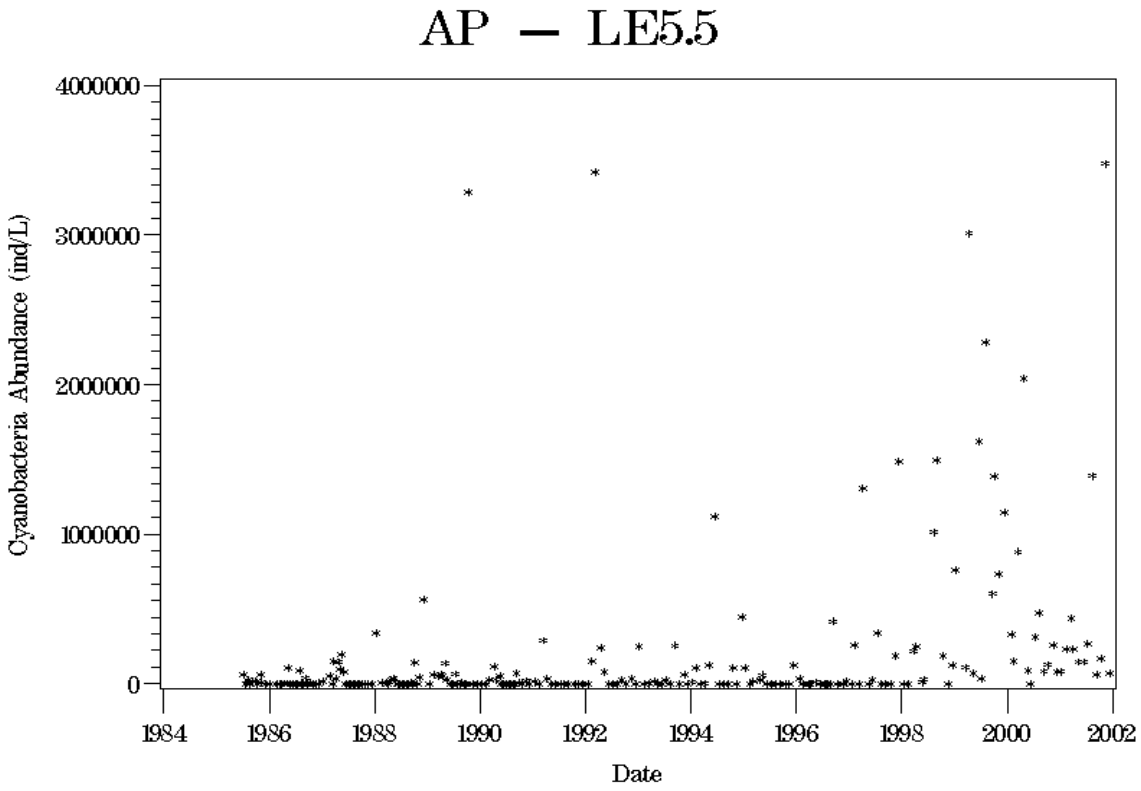

Figure F76. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station LE5.5 for the period of 1985 through 2001.

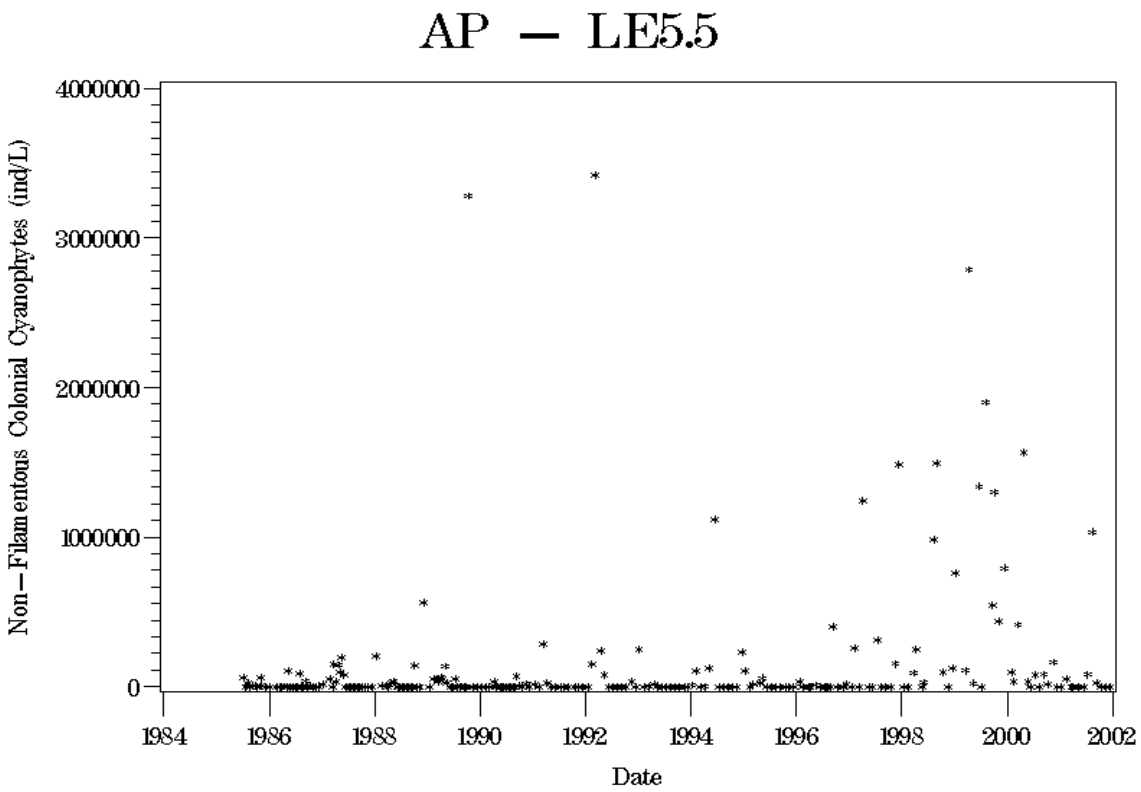

Figure F77. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station LE5.5 for the period of 1985 through 2001.

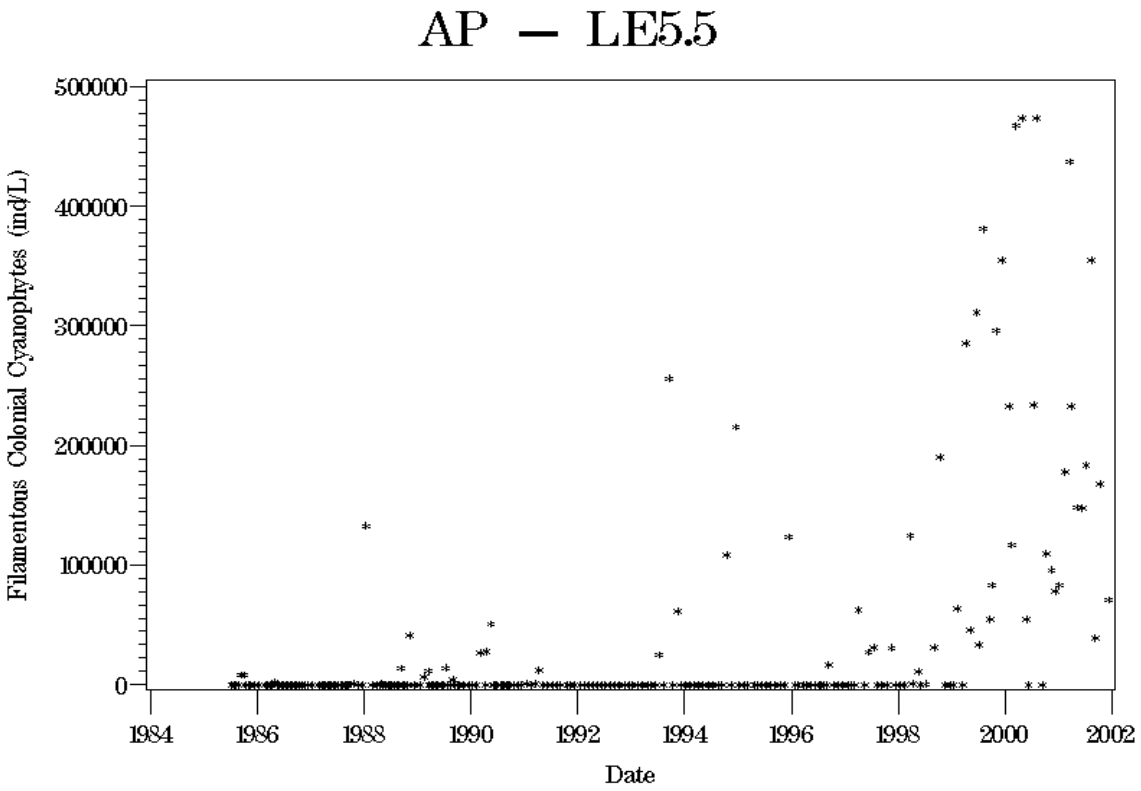

Figure F78. Plot of above pycnocline filamentous colonial cyanophyte abundance at station LE5.5 for the period of 1985 through 2001.

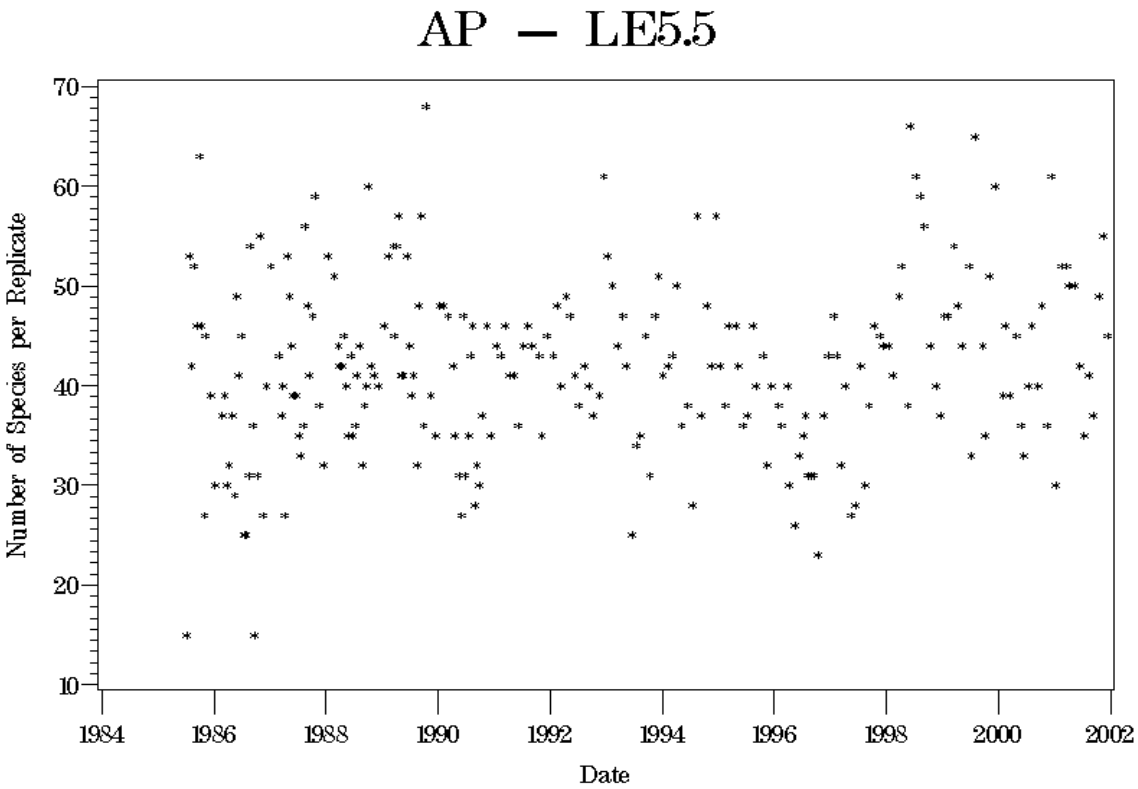

Figure F79. Plot of above pycnocline number of species per replicate at station LE5.5 for the period of 1985 through 2001.

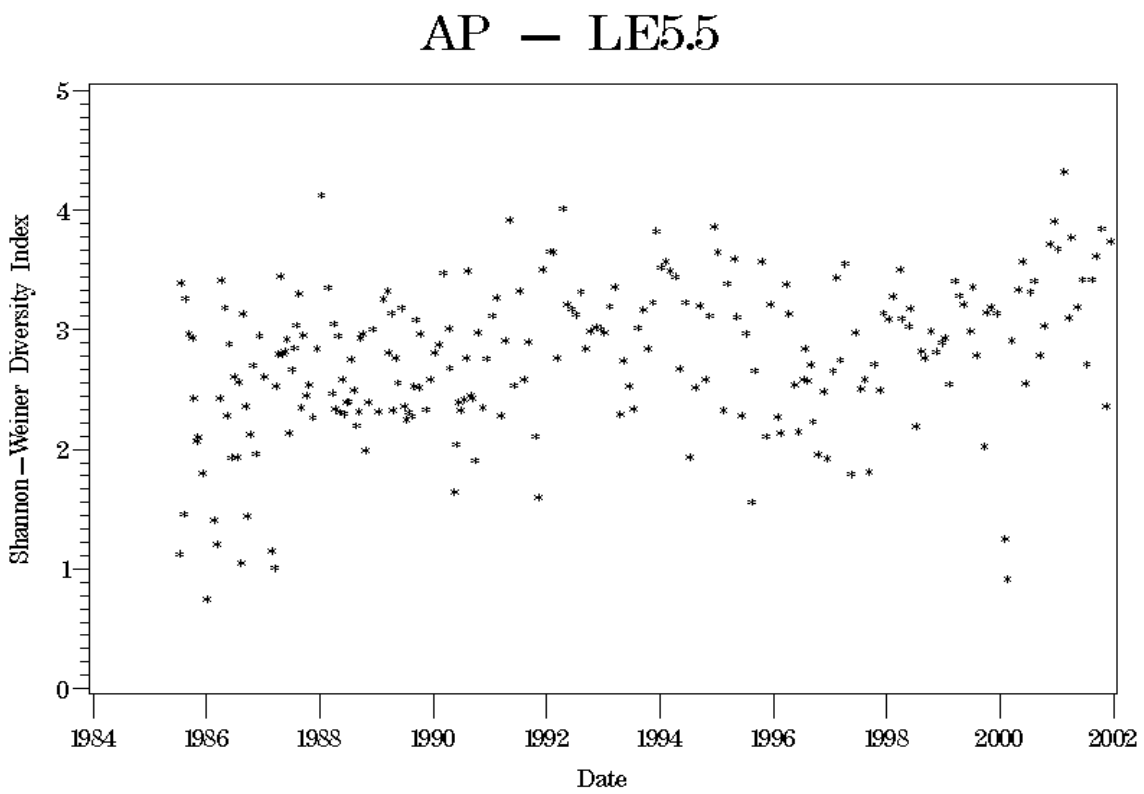

Figure F80. Plot of above pycnocline Shannon-Weiner diversity index at station LE5.5 for the period of 1985 through 2001.

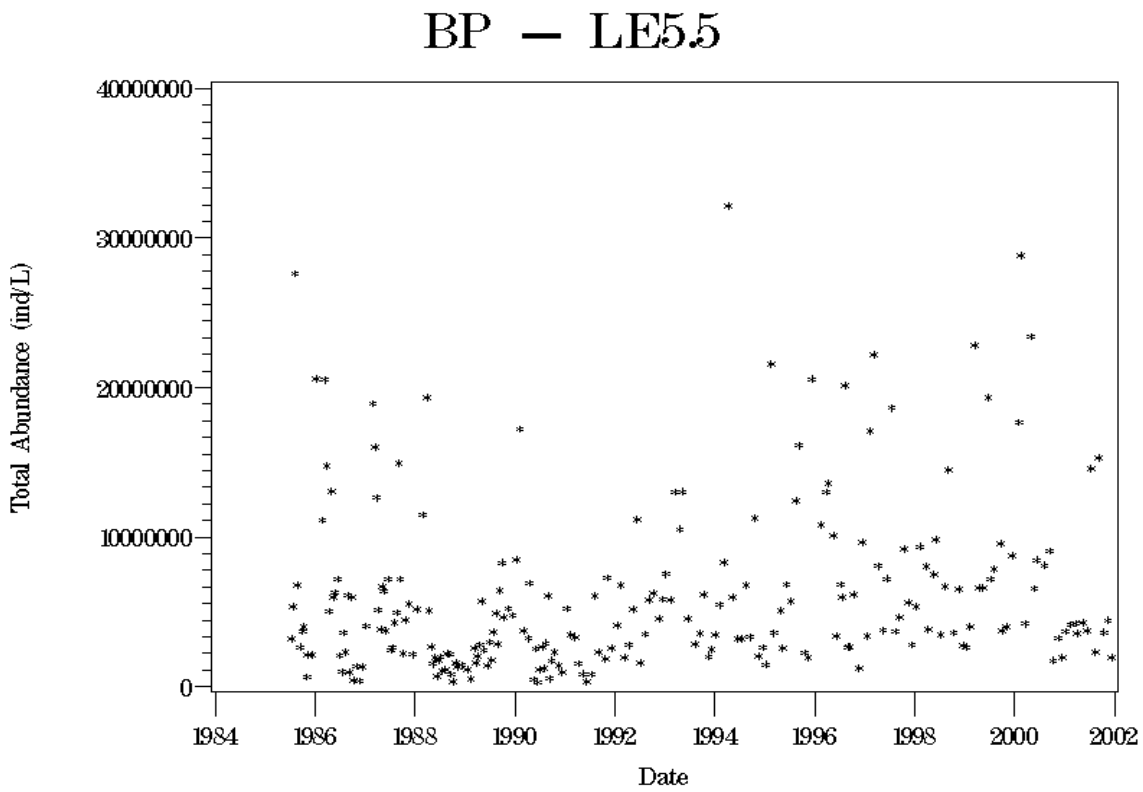

Figure F81. Plot of below pycnocline total phytoplankton abundance against time at station LE5.5 for the period of 1985 through 2001.

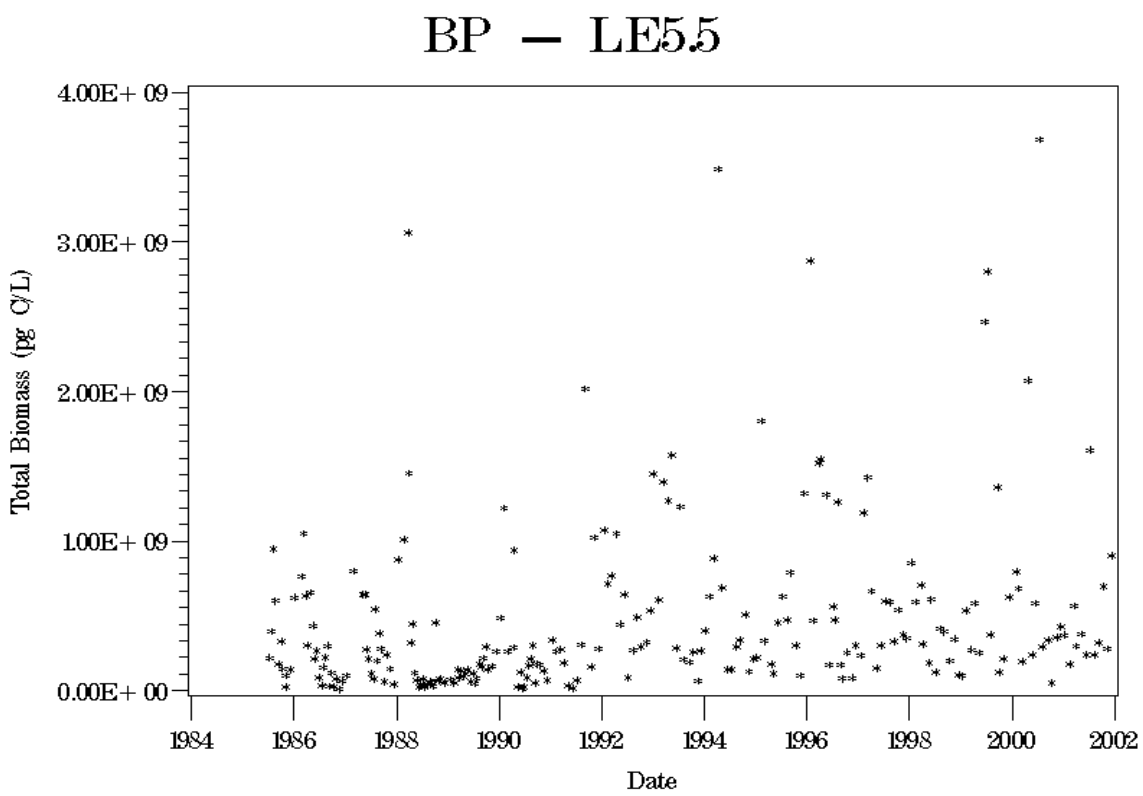

Figure F82. Plot of below pycnocline total phytoplankton biomass against time at station LE5.5 for the period of 1985 through 2001.

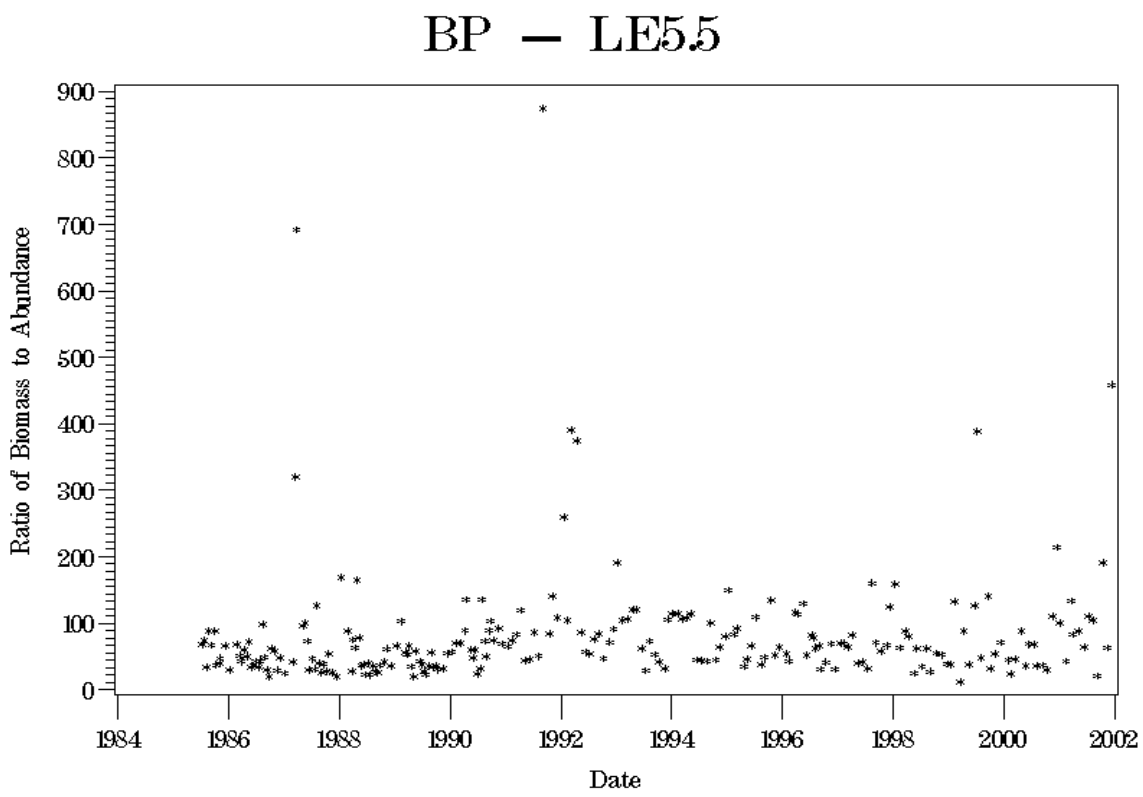

Figure F83. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station LE5.5 for the period of 1985 through 2001.

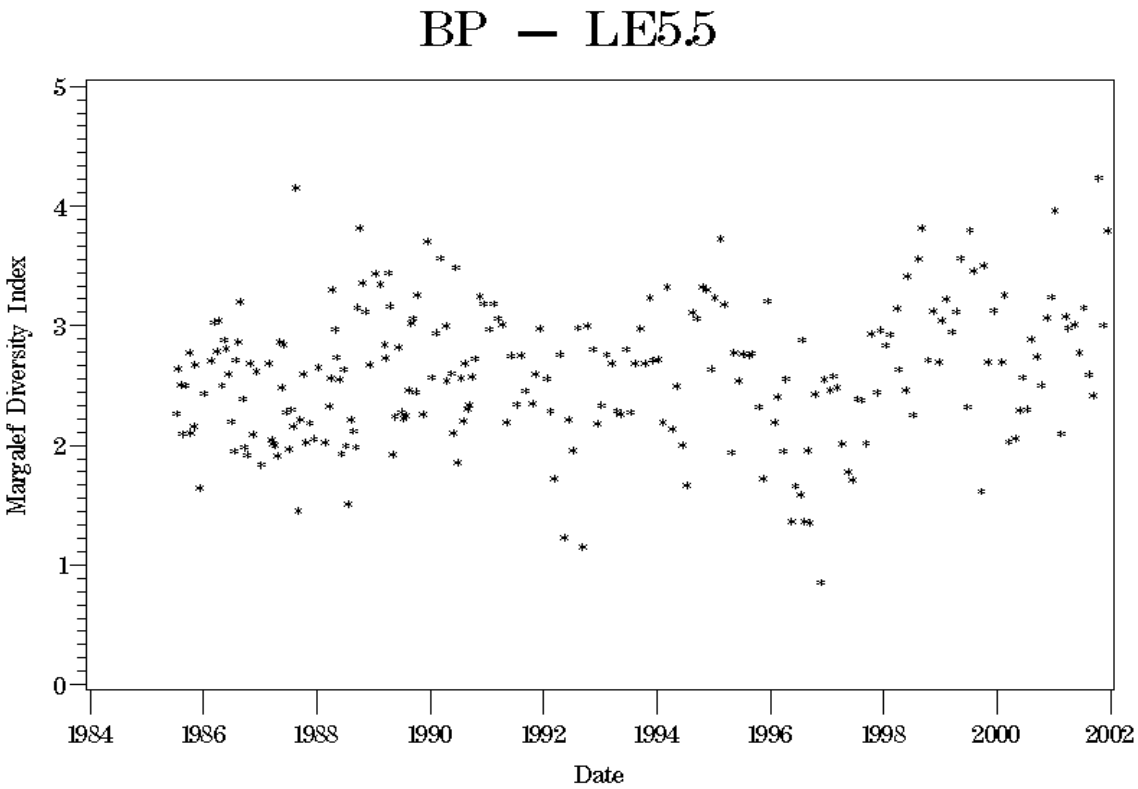

Figure F84. Plot of below pycnocline Margalef diversity index against time at station LE5.5 for the period of 1985 through 2001.

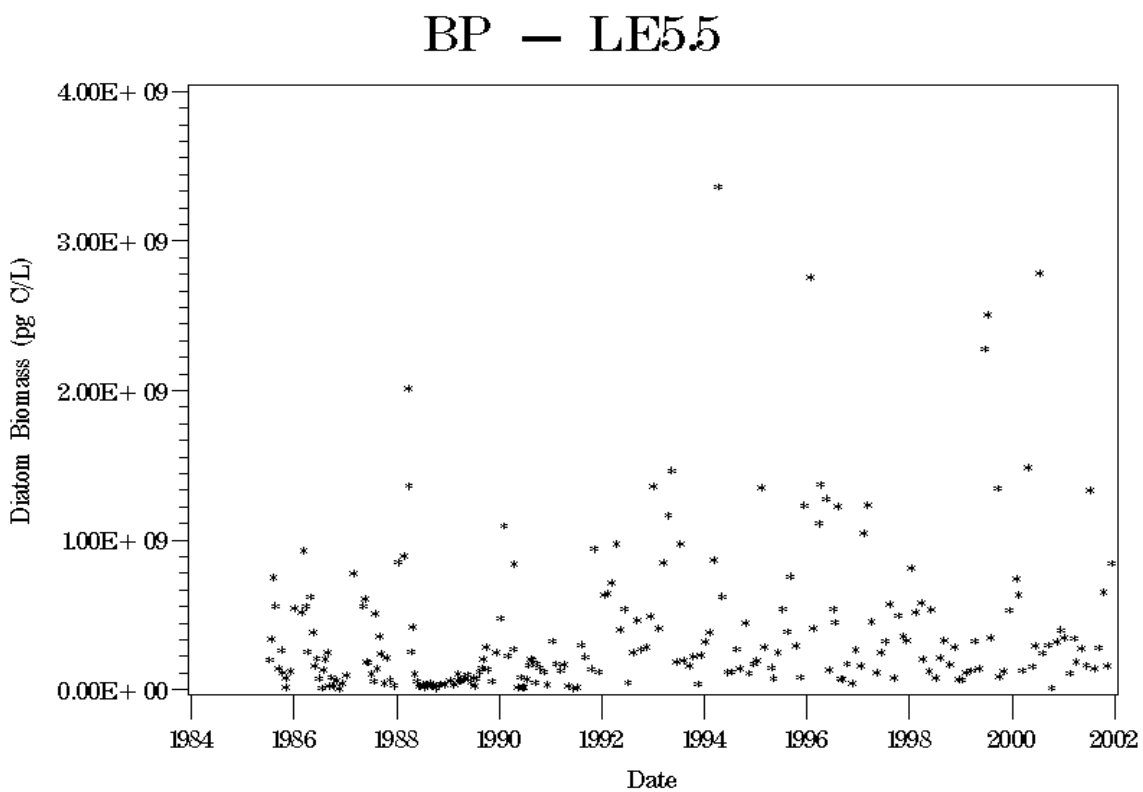

Figure F85. Plot of below pycnocline diatom biomass against time at station LE5.5 for the period of 1985 through 2001.

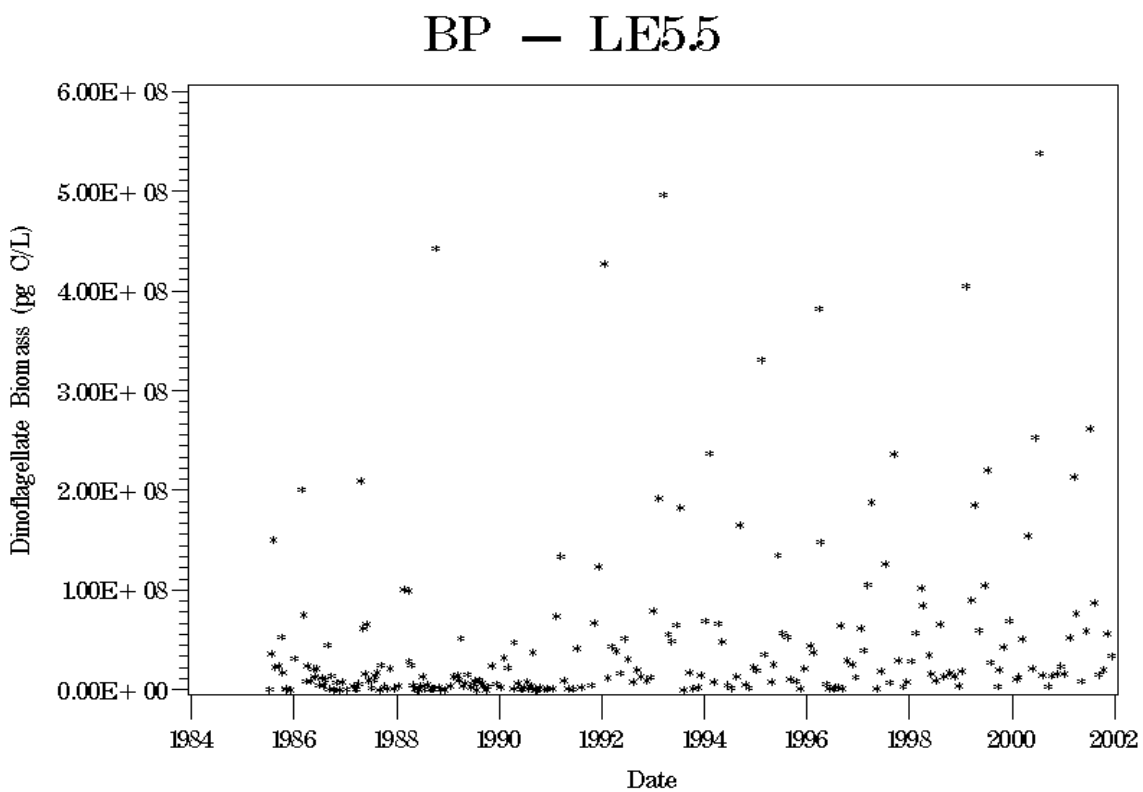

Figure F86. Plot of below pycnocline dinoflagellate biomass against time at station LE5.5 for the period of 1985 through 2001.

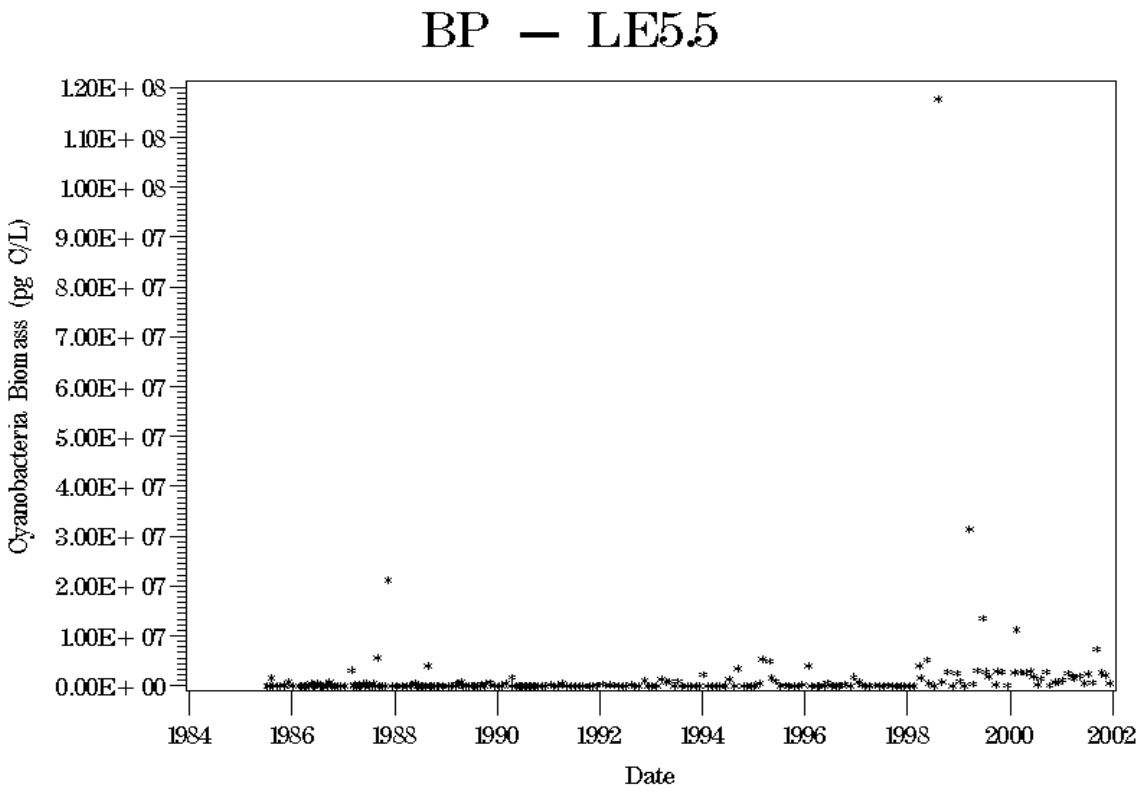

Figure F87. Plot of below pycnocline cyanobacteria biomass against time at station LE5.5 for the period of 1985 through 2001.

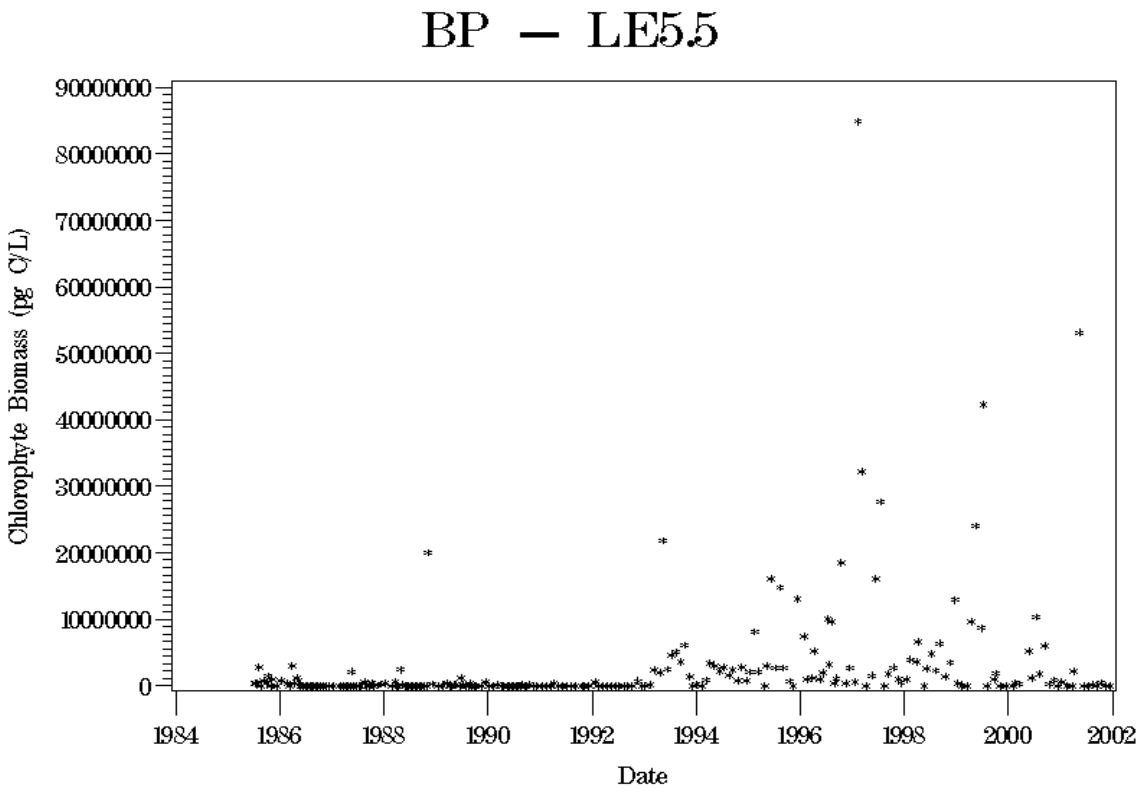

Figure F88. Plot of below pycnocline chlorophyte biomass against time at station LE5.5 for the period of 1985 through 2001.

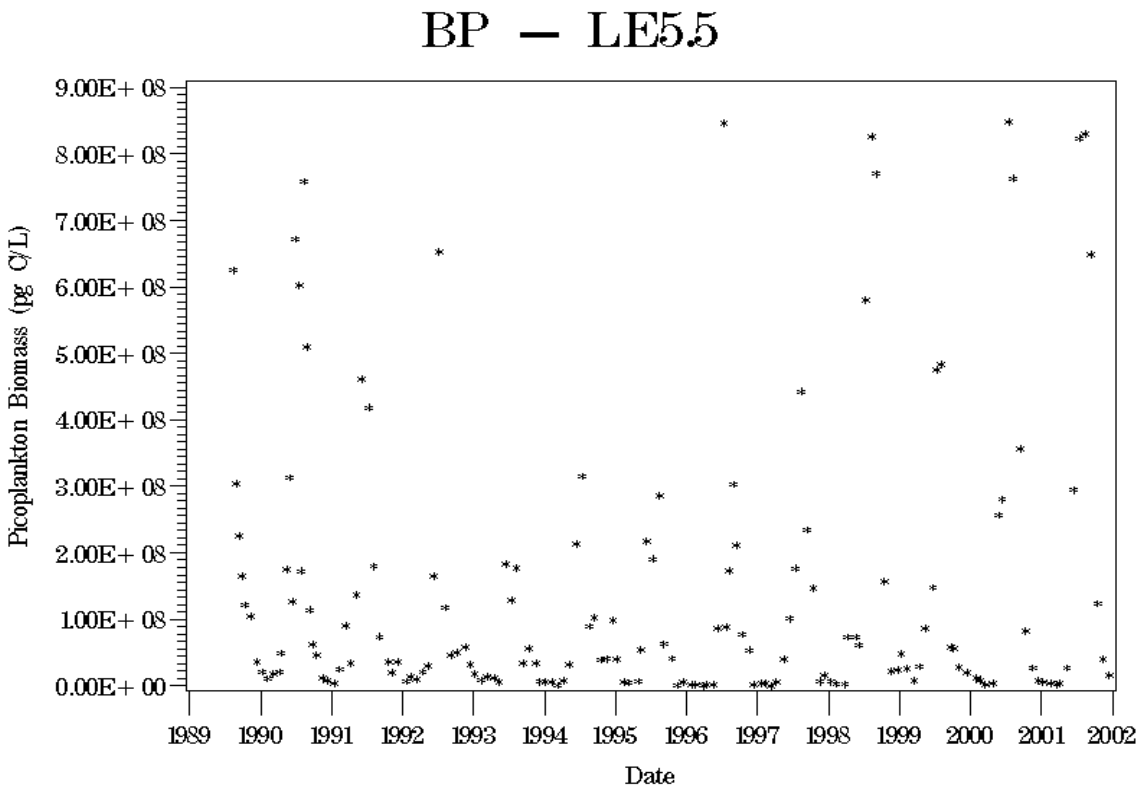

Figure F89. Plot of below pycnocline picoplankton biomass against time at station LE5.5 for the period of 1989 through 2001.

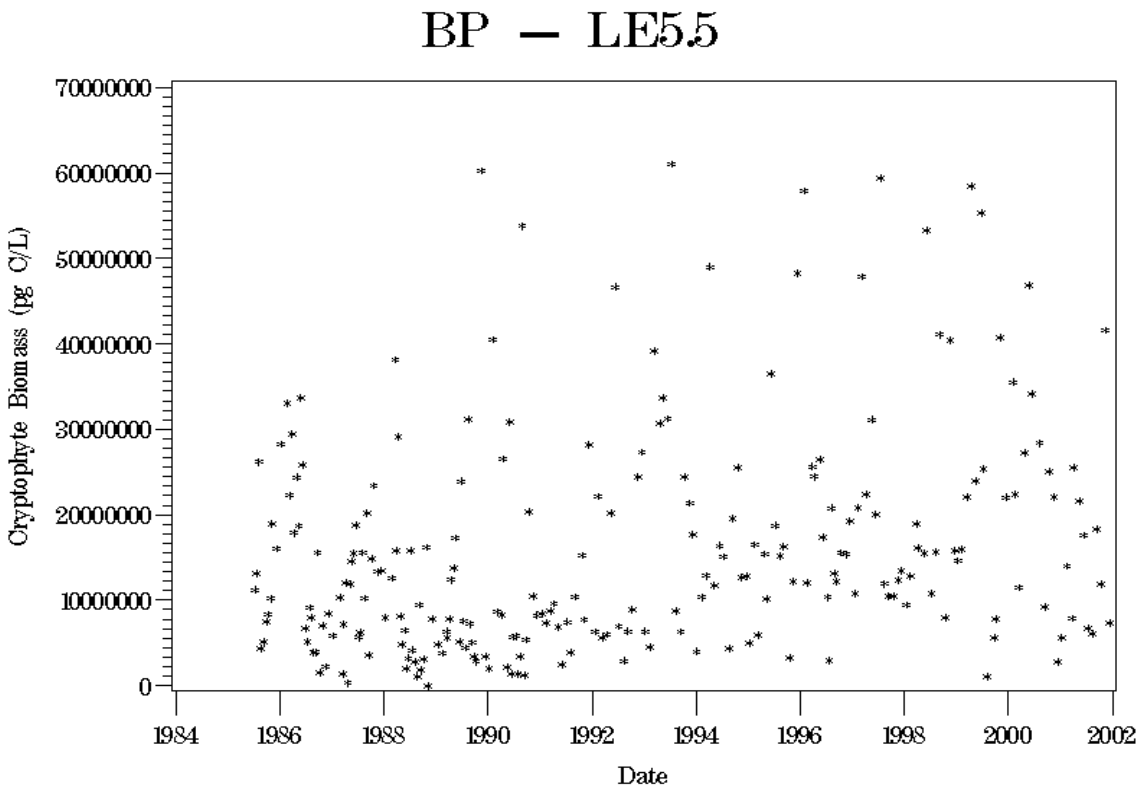

Figure F90. Plot of below pycnocline cryptophyte biomass at station LE5.5 for the period of 1985 through 2001.

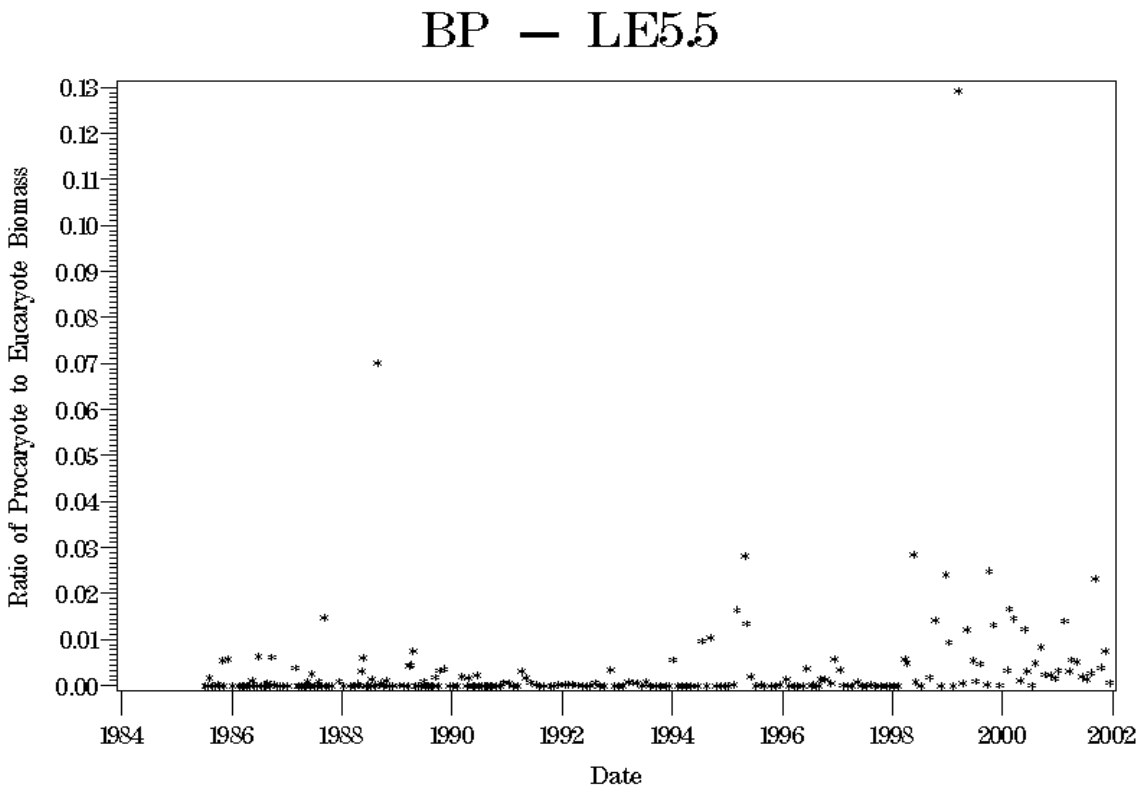

Figure F91. Plot of below pycnocline cyanophyte abundance at station LE5.5 for the period of 1985 through 2001.

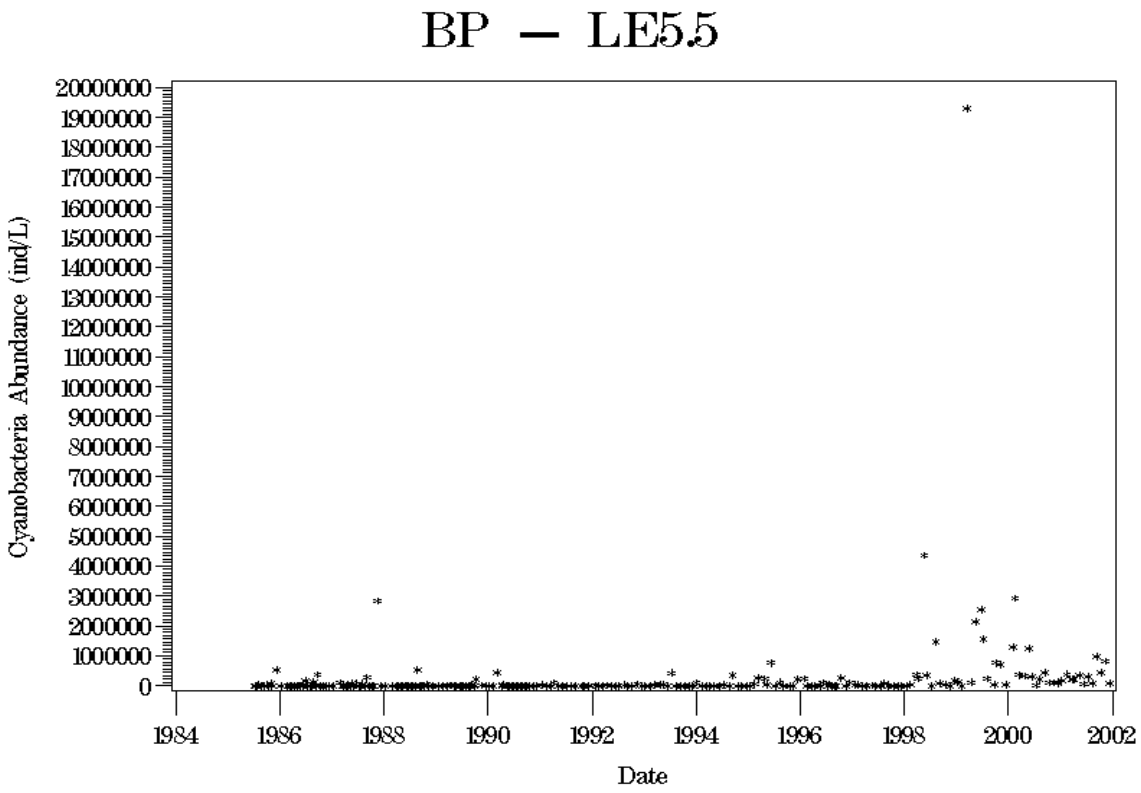

Figure F92. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station LE5.5 for the period of 1985 through 2001.

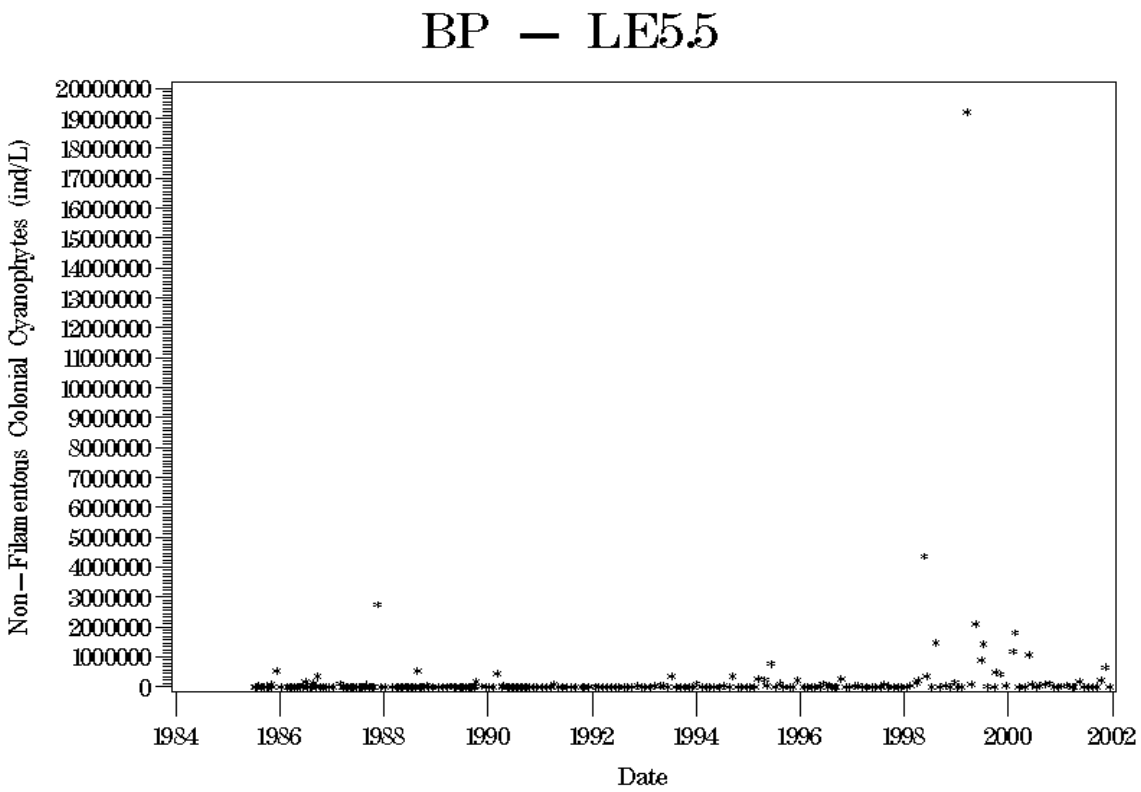

Figure F93. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station LE5.5 for the period of 1985 through 2001.

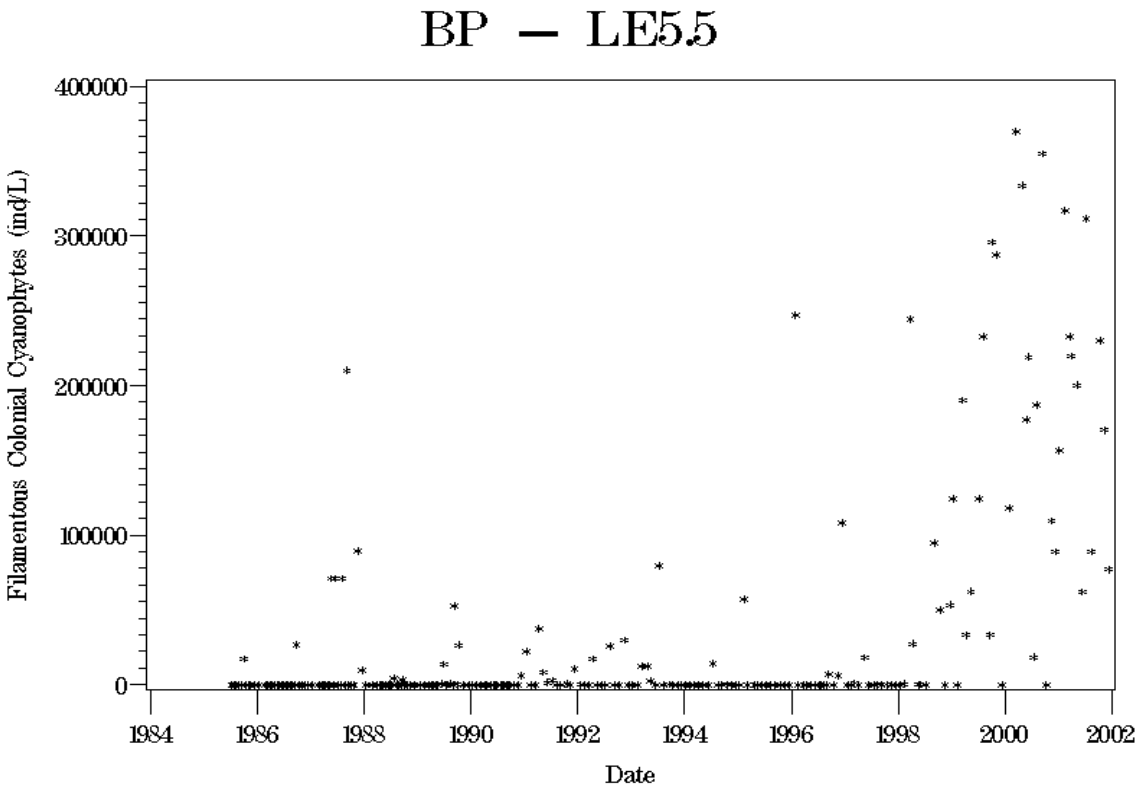

Figure F94. Plot of below pycnocline filamentous colonial cyanophyte abundance at station LE5.5 for the period of 1985 through 2001.

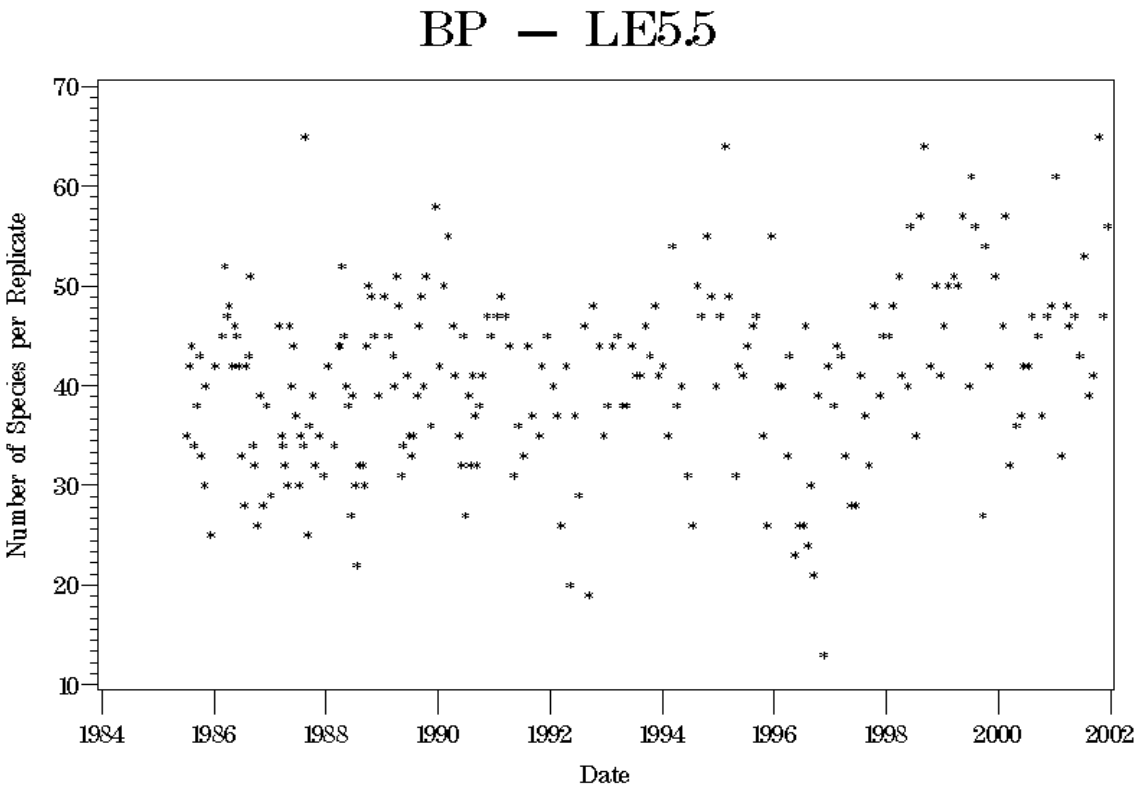

Figure F95. Plot of below pycnocline number of species per replicate at station LE5.5 for the period of 1985 through 2001.

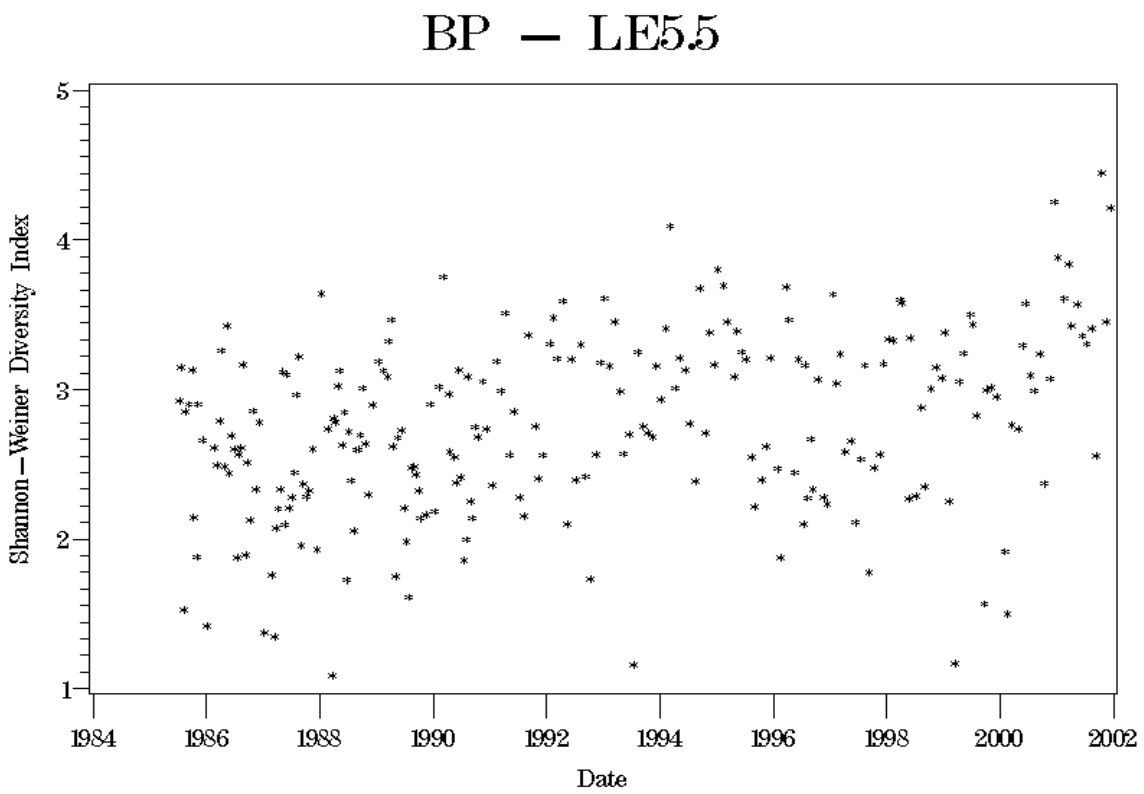

Figure F96. Plot of below pycnocline Shannon-Weiner diversity index at station LE5.5 for the period of 1985 through 2001.

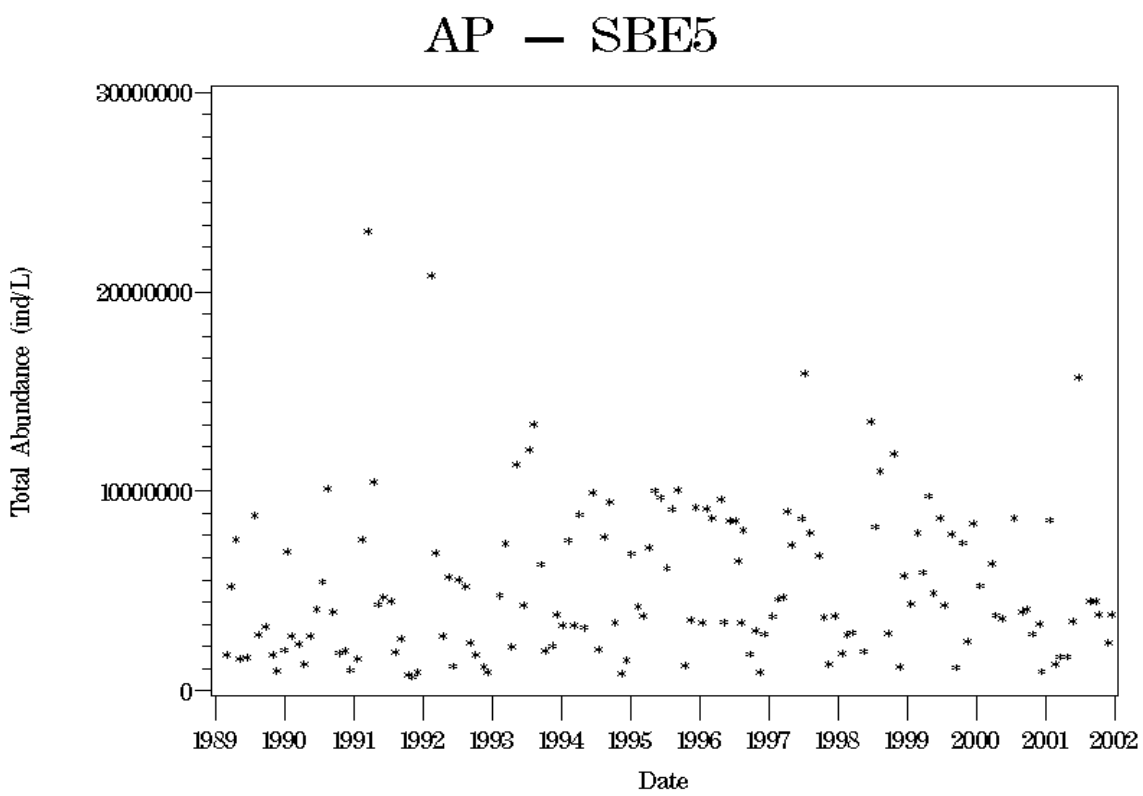

Figure F97. Plot of above pycnocline total phytoplankton abundance against time at station SBE5 for the period of 1989 through 2001.

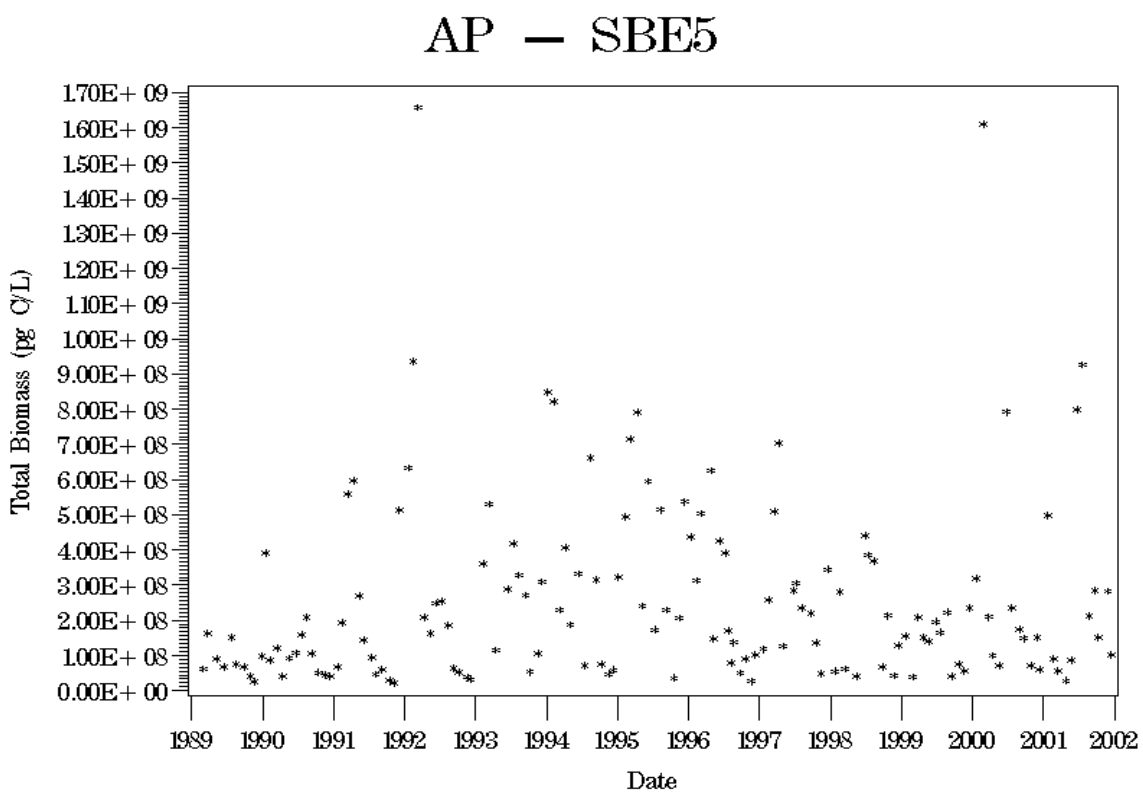

Figure F98. Plot of above pycnocline total phytoplankton biomass against time at station SBE5 for the period of 1989 through 2001.

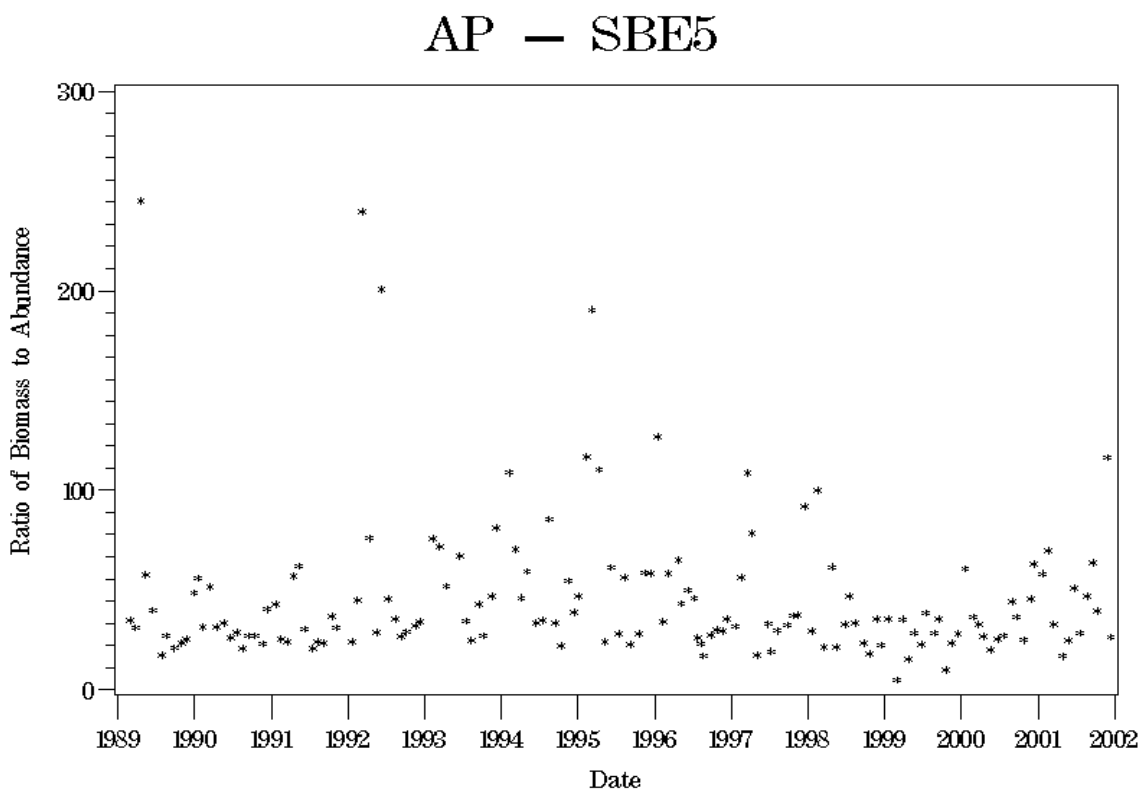

Figure F99. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station SBE5 for the period of 1989 through 2001.

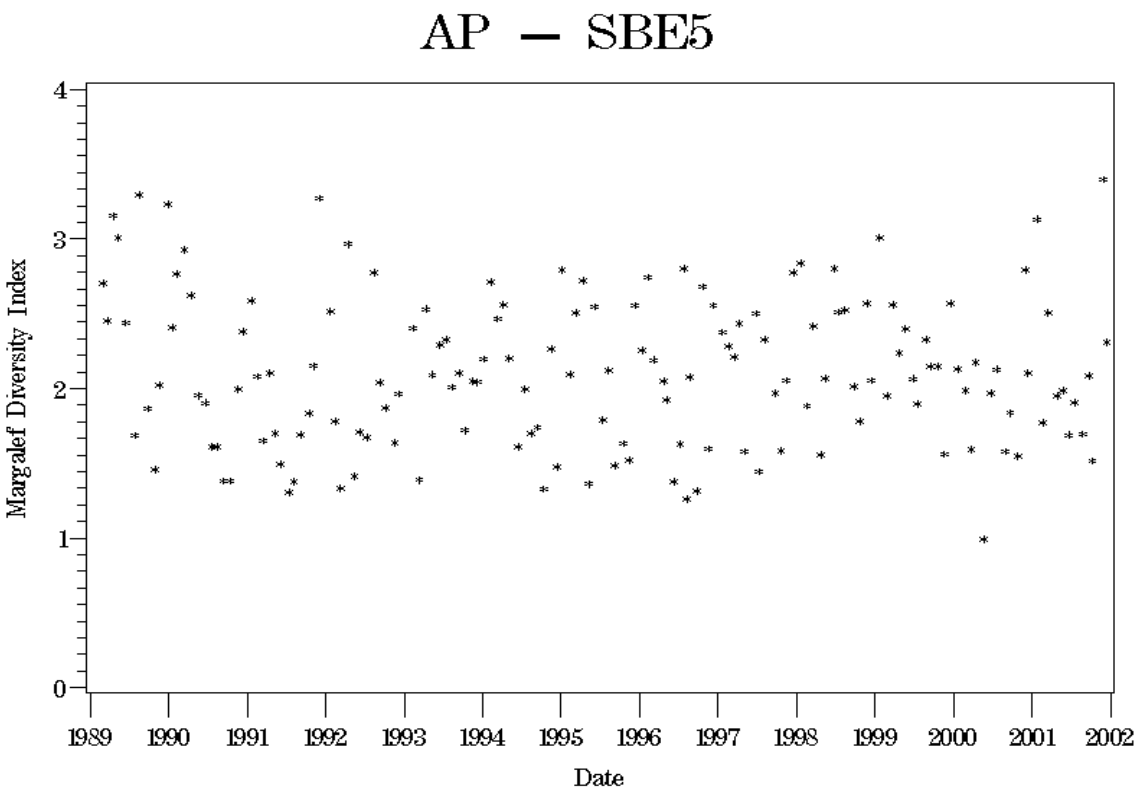

Figure F100. Plot of above pycnocline Margalef diversity index against time at station SBE5 for the period of 1989 through 2001.

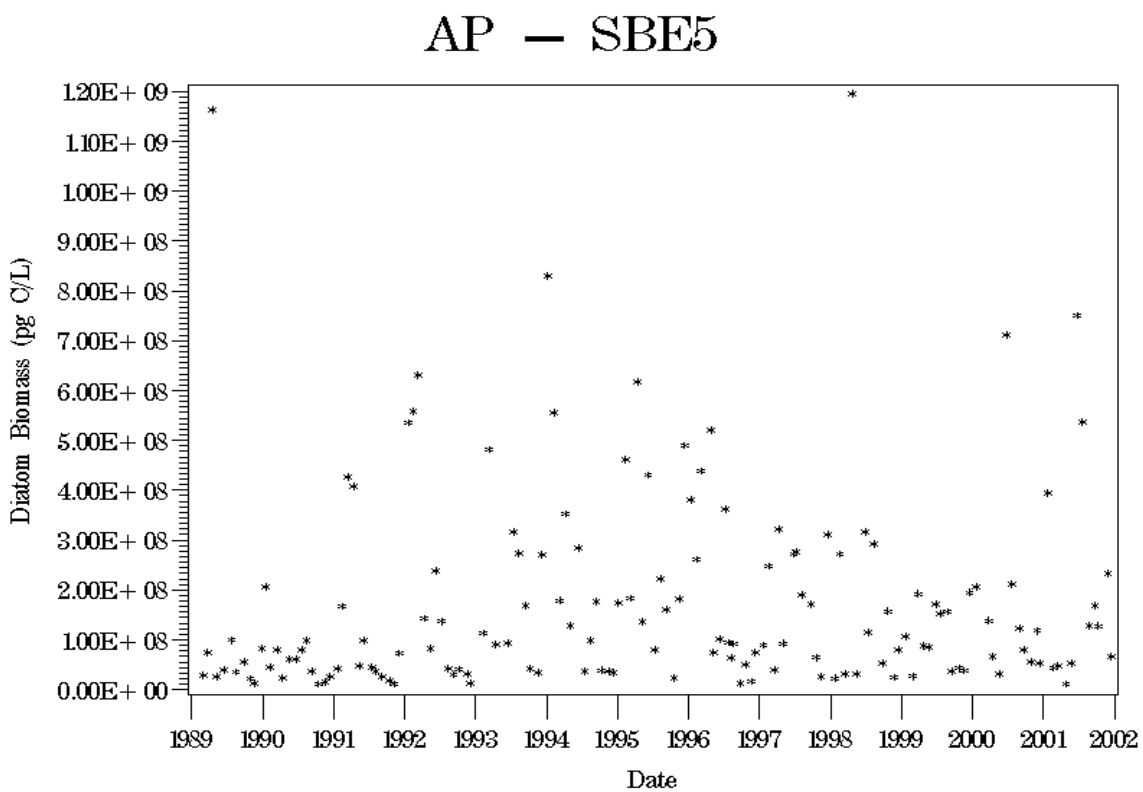

Figure F101. Plot of above pycnocline diatom biomass against time at station SBE5 for the period of 1989 through 2001.

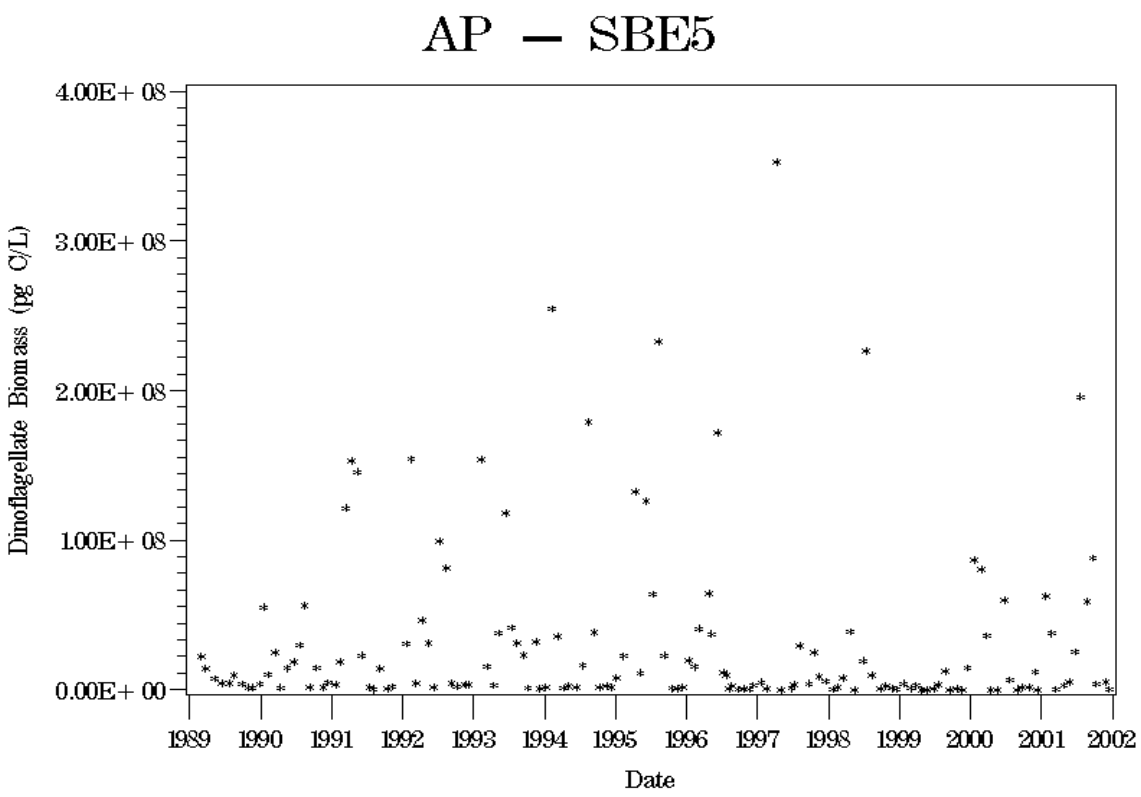

Figure F102. Plot of above pycnocline dinoflagellate biomass against time at station SBE5 for the period of 1989 through 2001.

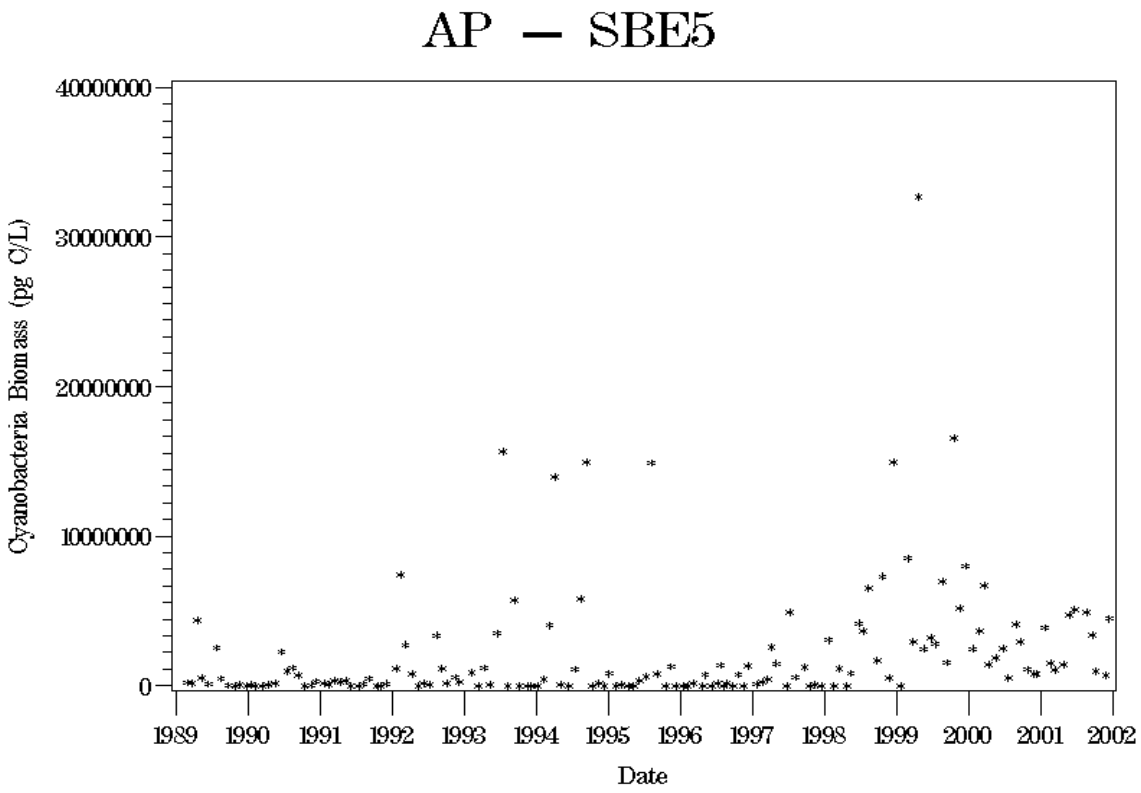

Figure F103. Plot of above pycnocline cyanobacteria biomass against time at station SBE5 for the period of 1989 through 2001.

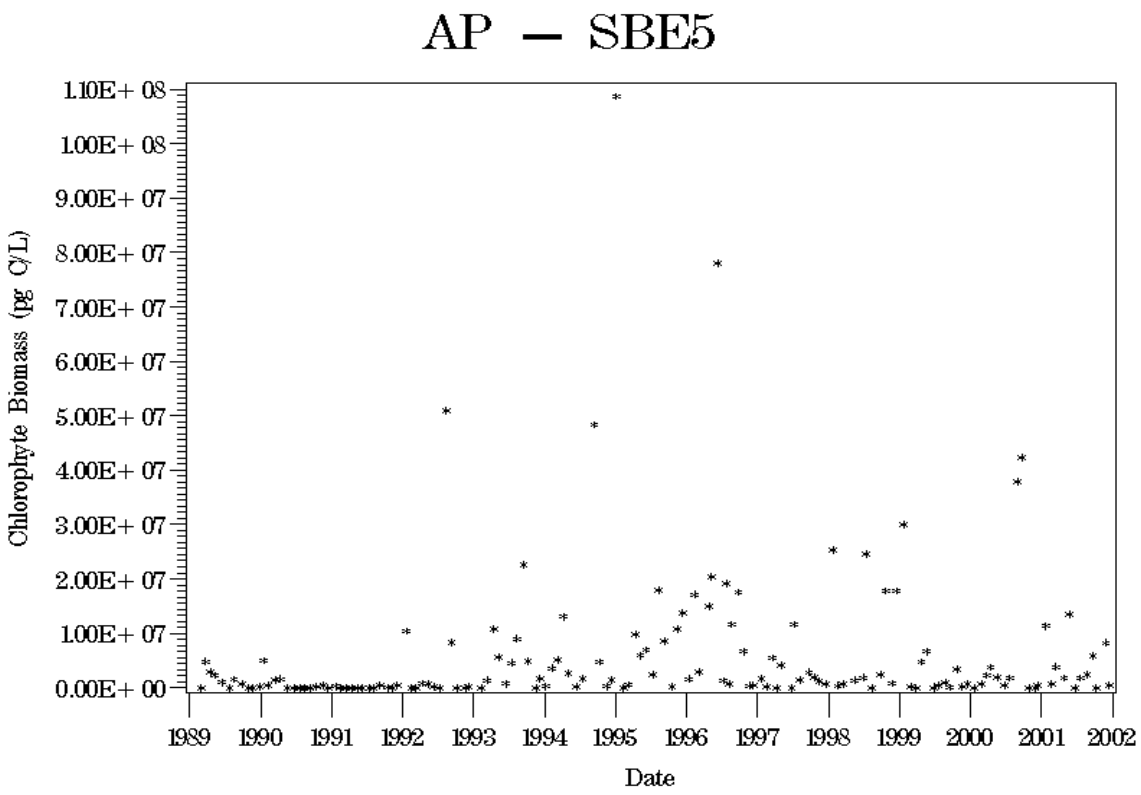

Figure F104. Plot of above pycnocline chlorophyte biomass against time at station SBE5 for the period of 1989 through 2001.

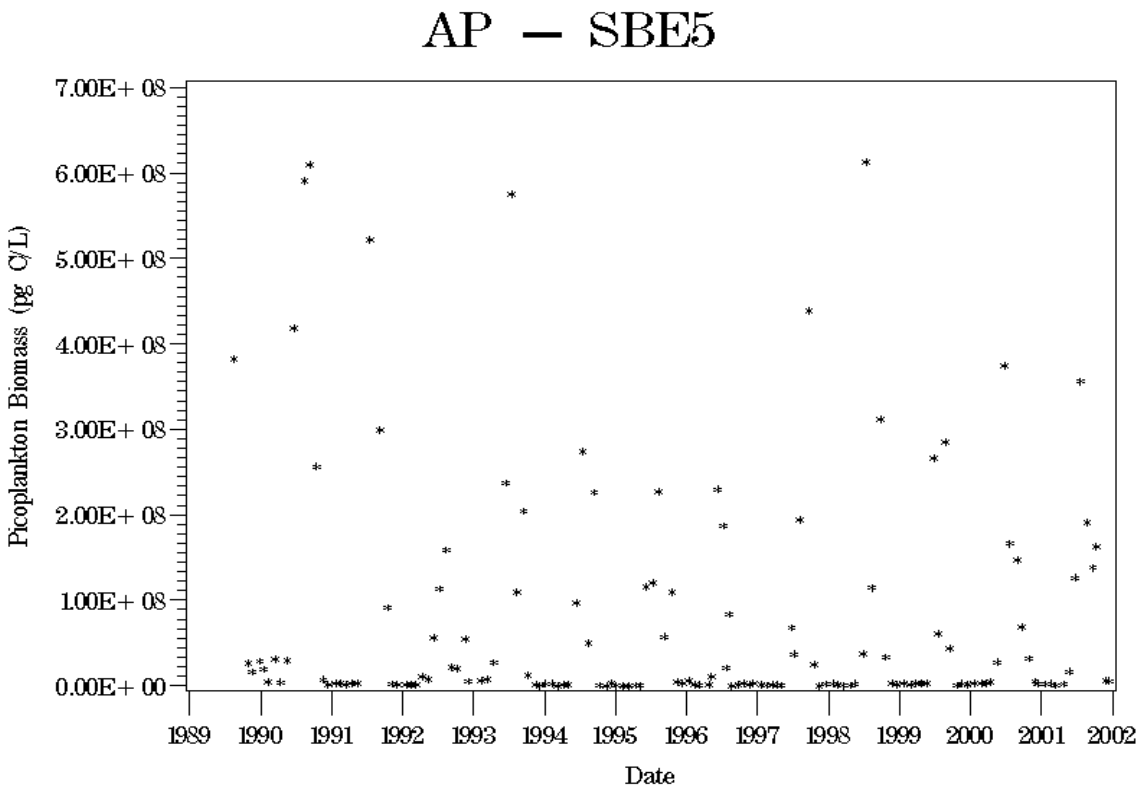

Figure F105. Plot of above pycnocline picoplankton biomass against time at station SBE5 for the period of 1989 through 2001.

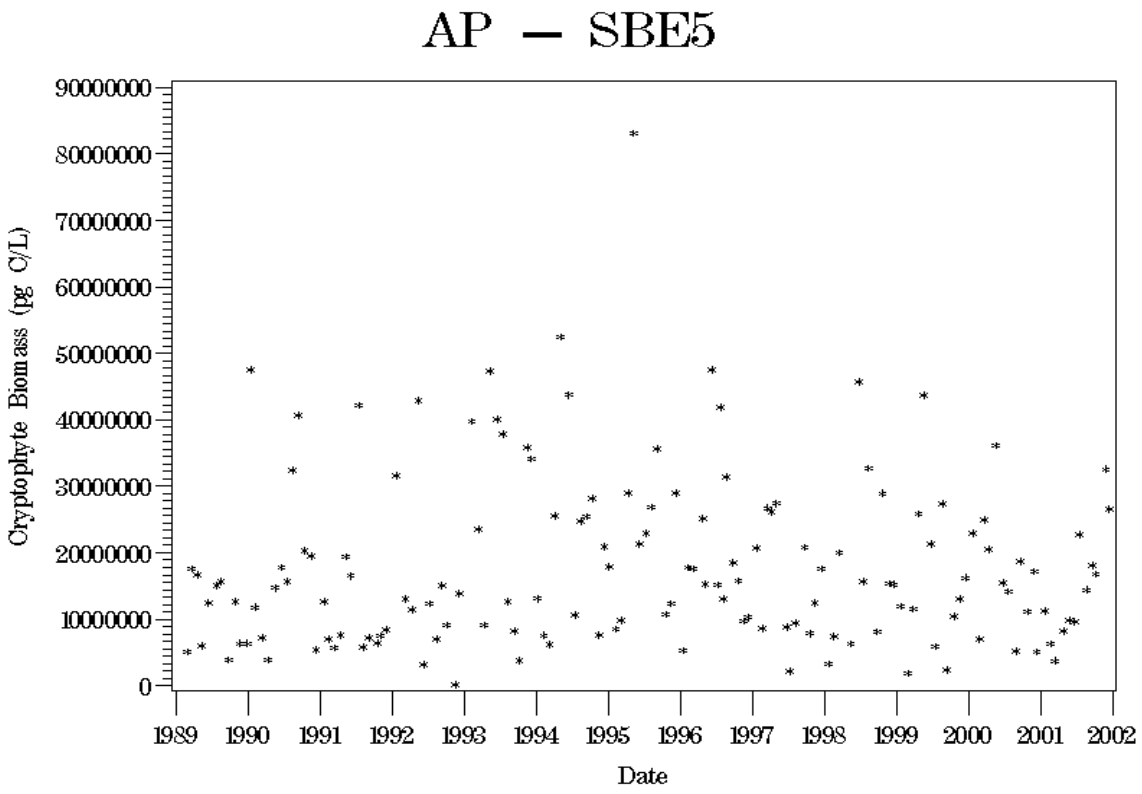

Figure F106. Plot of above pycnocline cryptophyte biomass at station SBE5 for the period of 1989 through 2001.

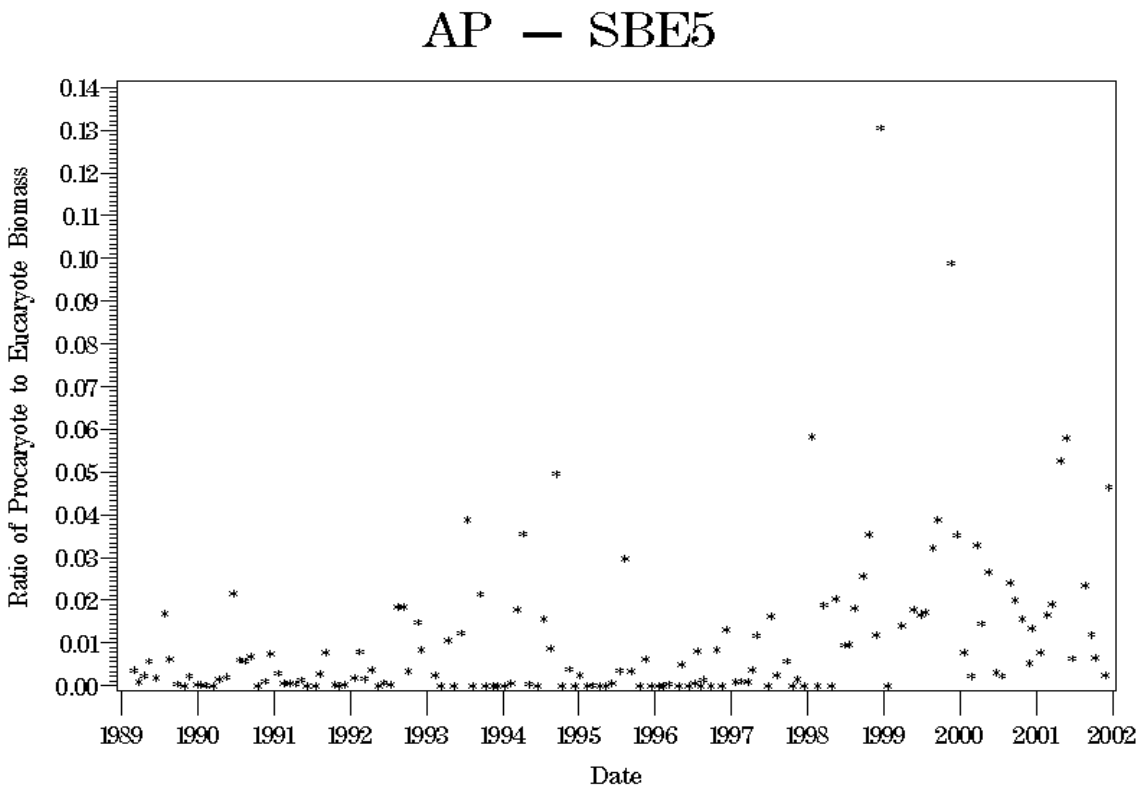

Figure F107. Plot of above pycnocline cyanophyte abundance at station SBE5 for the period of 1989 through 2001.

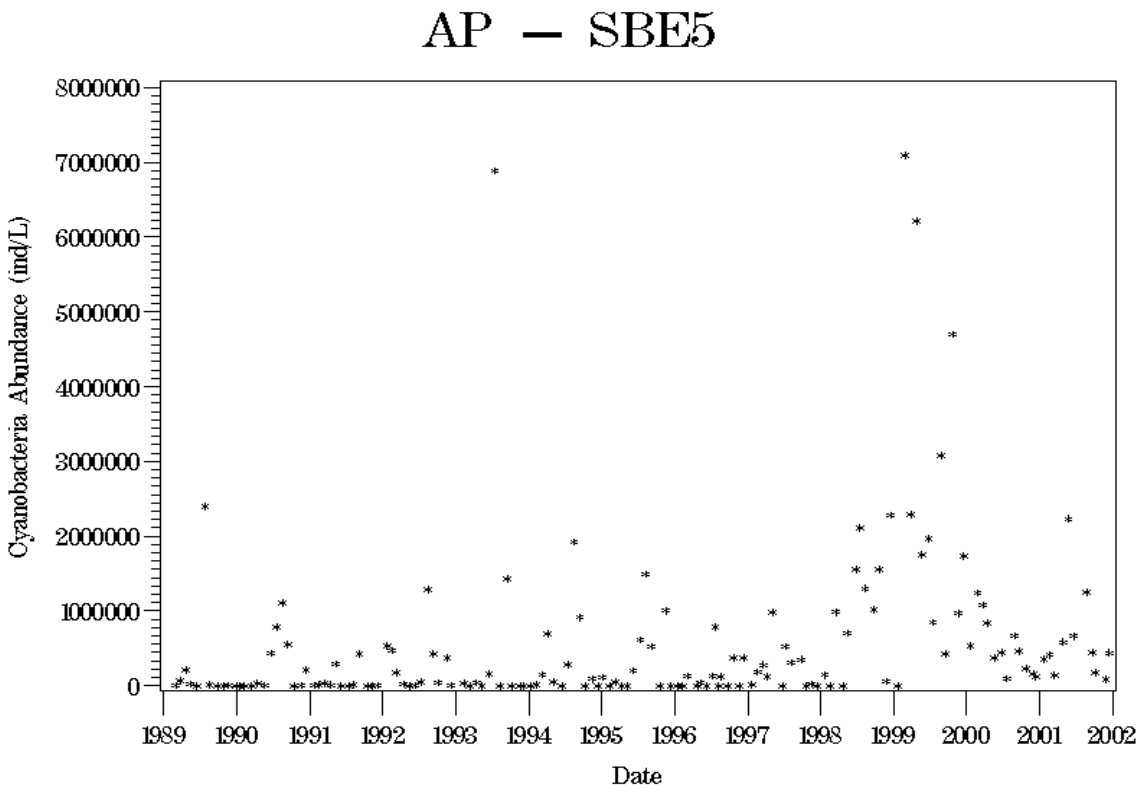

Figure F108. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station SBE5 for the period of 1989 through 2001.

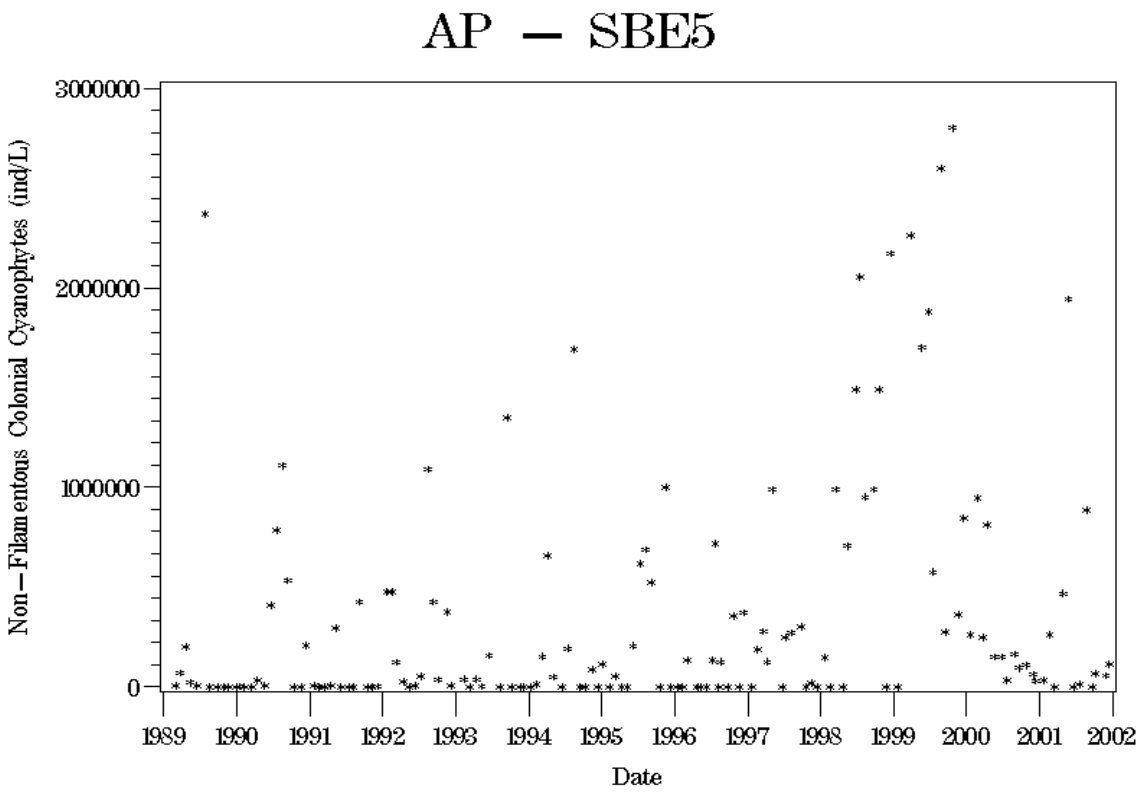

Figure F109. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station SBE5 for the period of 1989 through 2001.

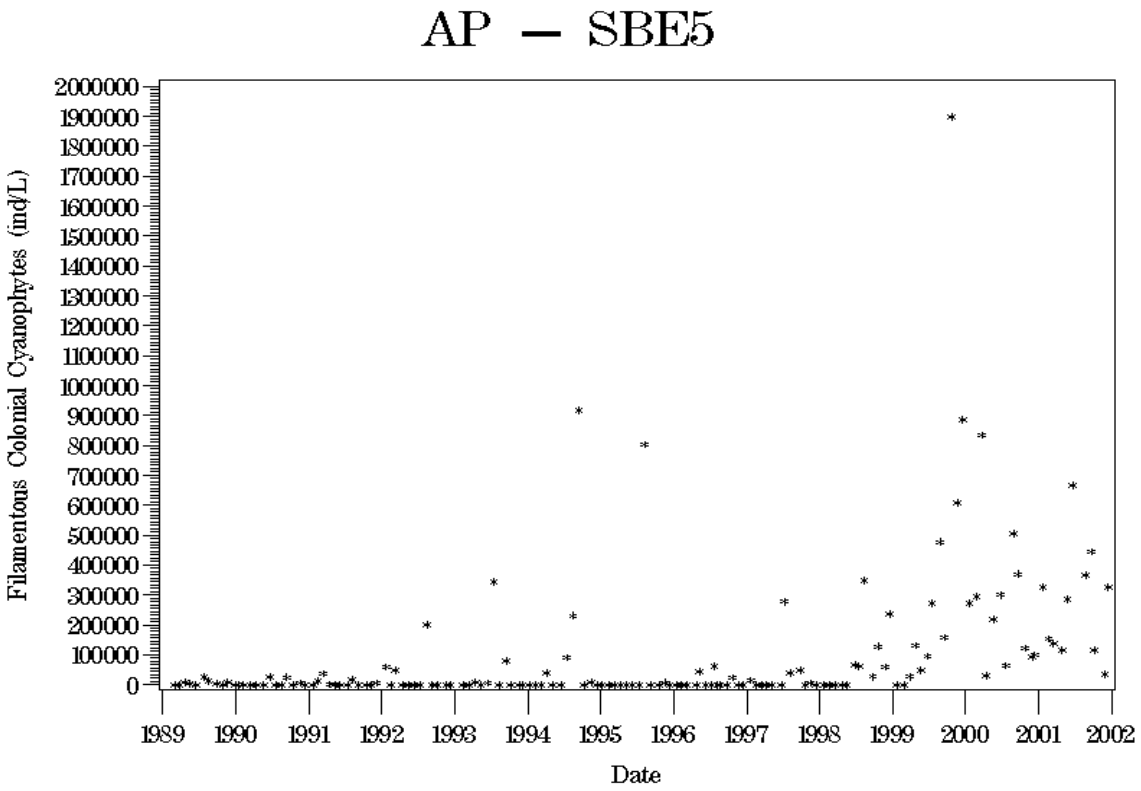

Figure F110. Plot of above pycnocline filamentous colonial cyanophyte abundance at station SBE5 for the period of 1989 through 2001.

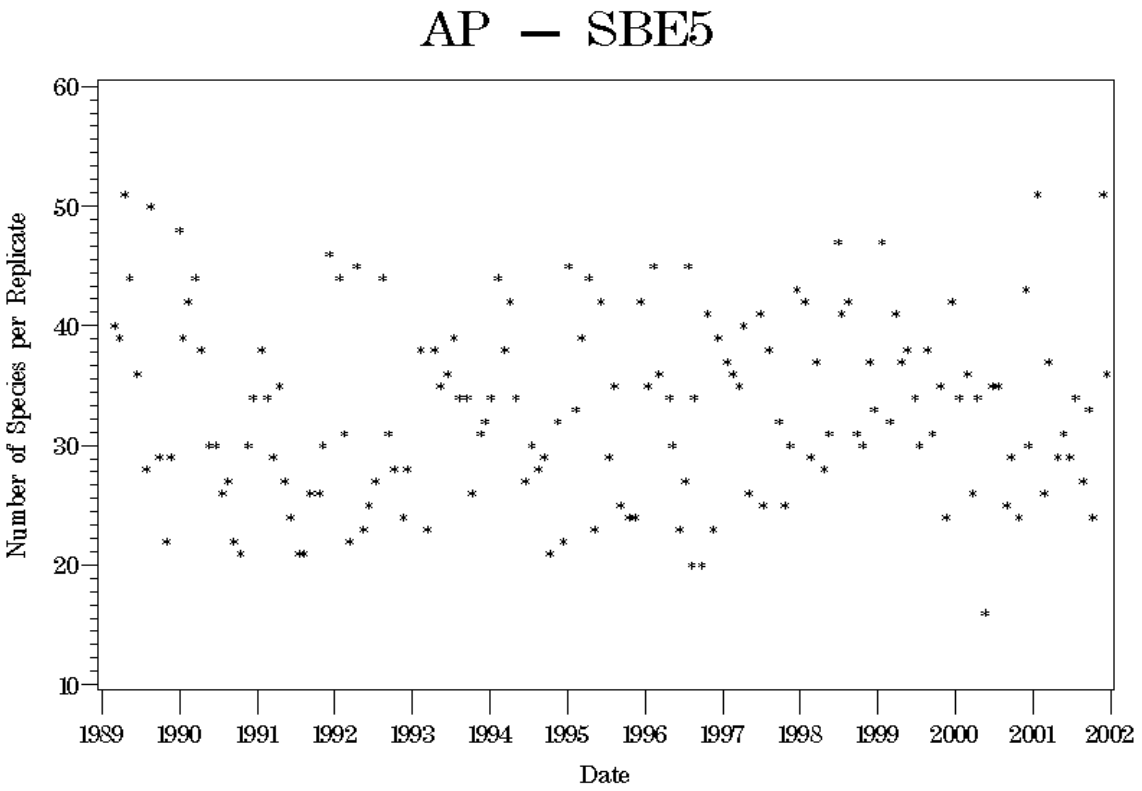

Figure F111. Plot of above pycnocline number of species per replicate at station SBE5 for the period of 1989 through 2001.

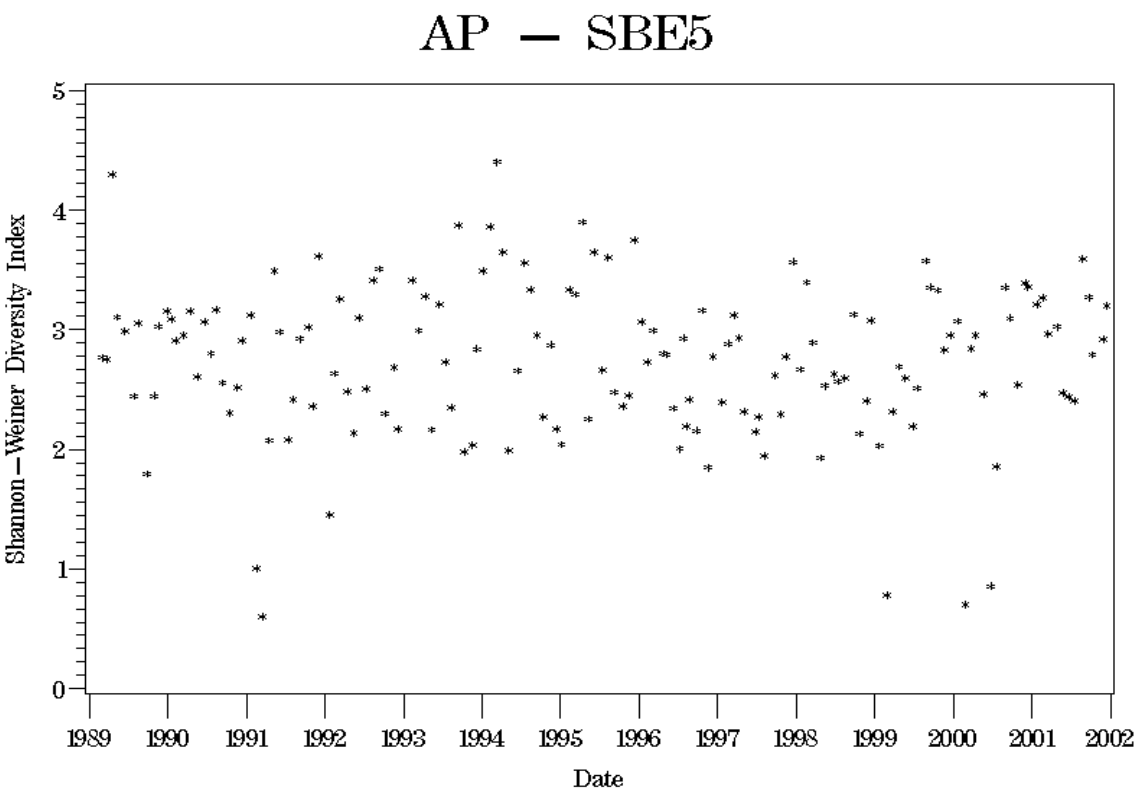

Figure F112. Plot of above pycnocline Shannon-Weiner diversity index at station SBE5 for the period of 1989 through 2001.

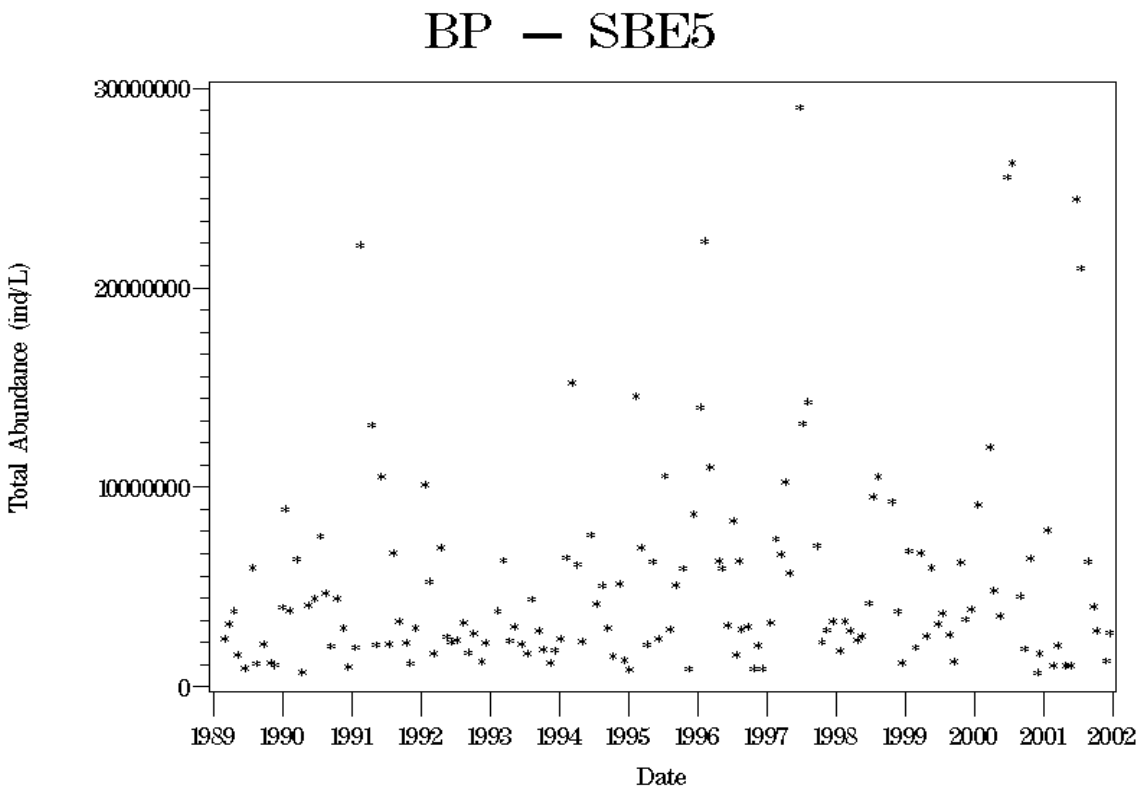

Figure F113. Plot of below pycnocline total phytoplankton abundance against time at station SBE5 for the period of 1989 through 2001.

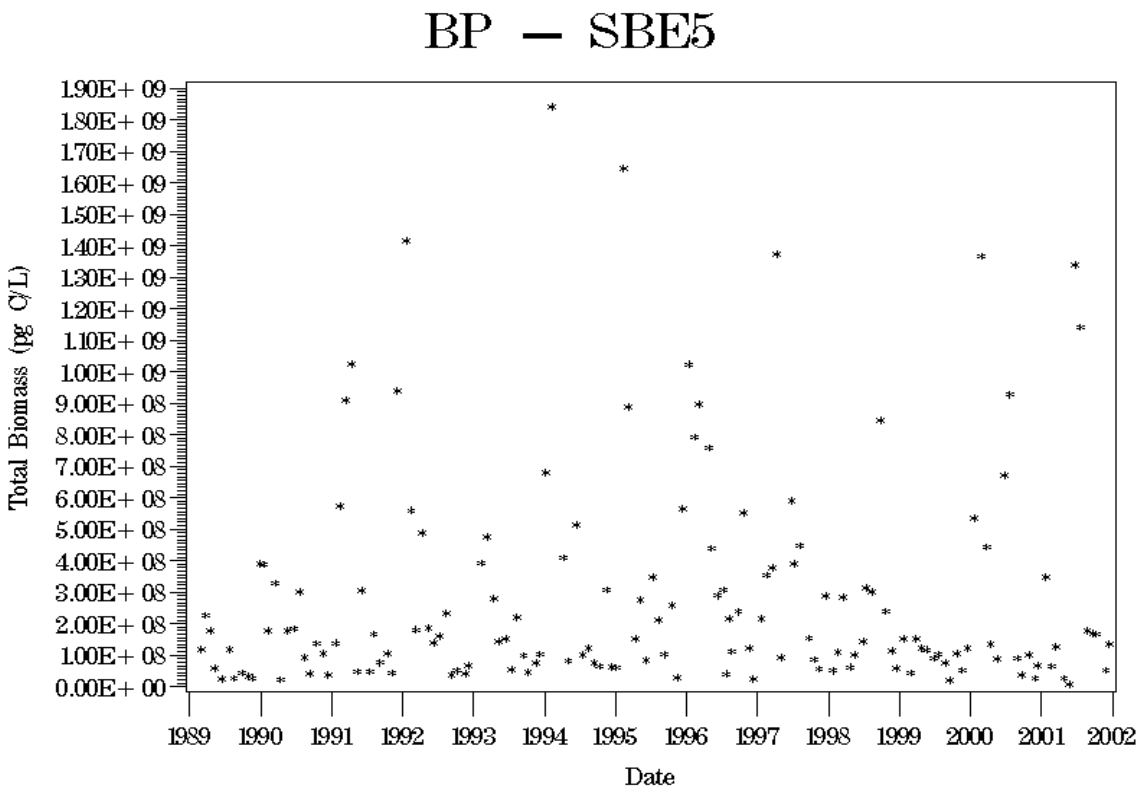

Figure F114. Plot of below pycnocline total phytoplankton biomass against time at station SBE5 for the period of 1989 through 2001.

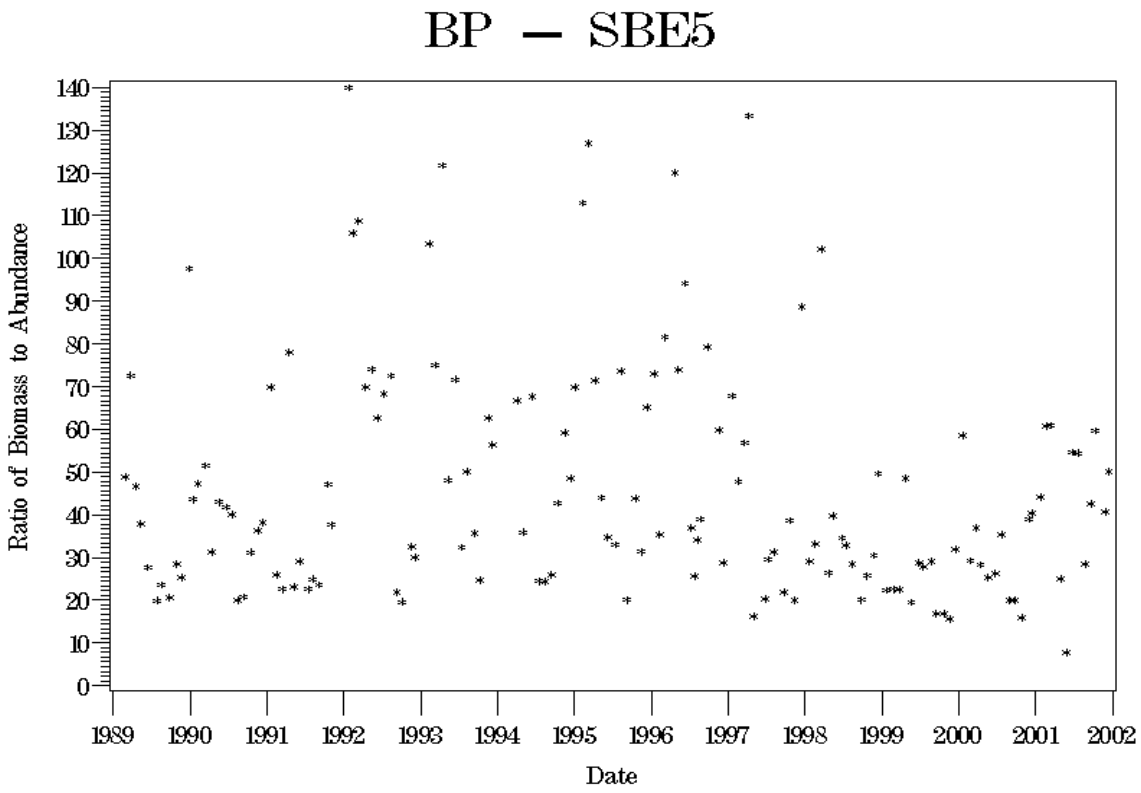

Figure F115. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station SBE5 for the period of 1989 through 2001.

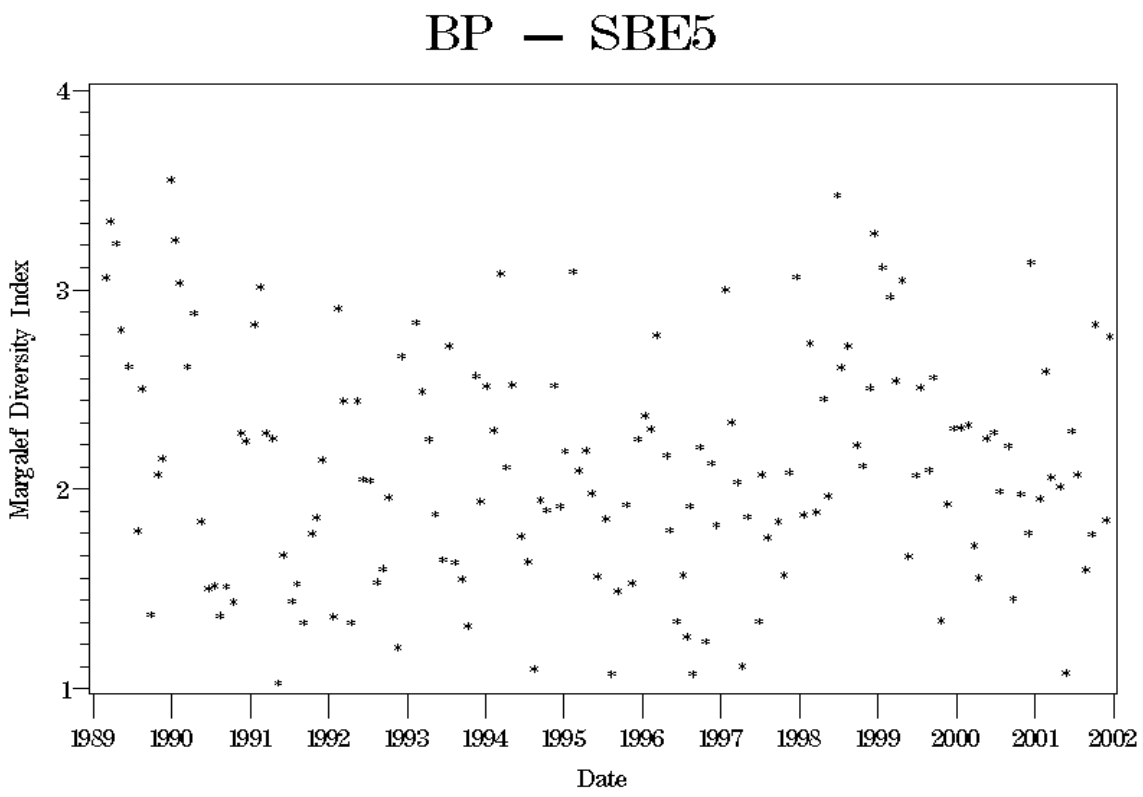

Figure F116. Plot of below pycnocline Margalef diversity index against time at station SBE5 for the period of 1989 through 2001.

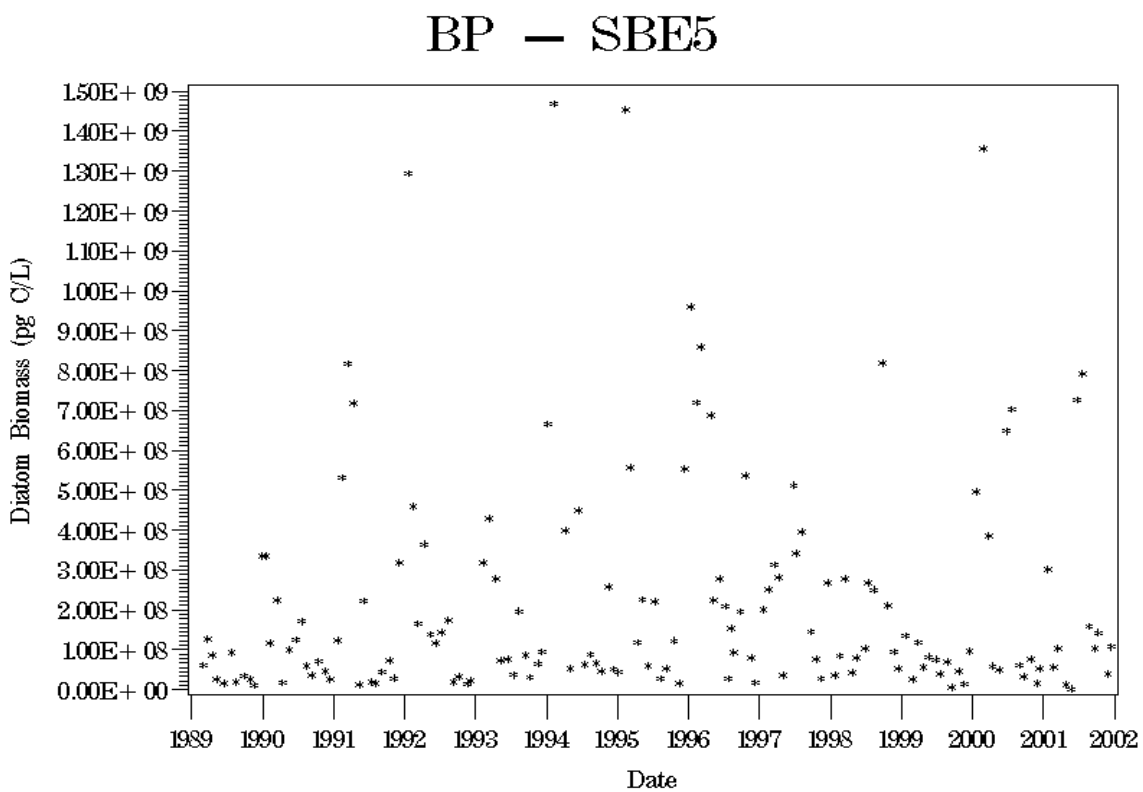

Figure F117. Plot of below pycnocline diatom biomass against time at station SBE5 for the period of 1989 through 2001.

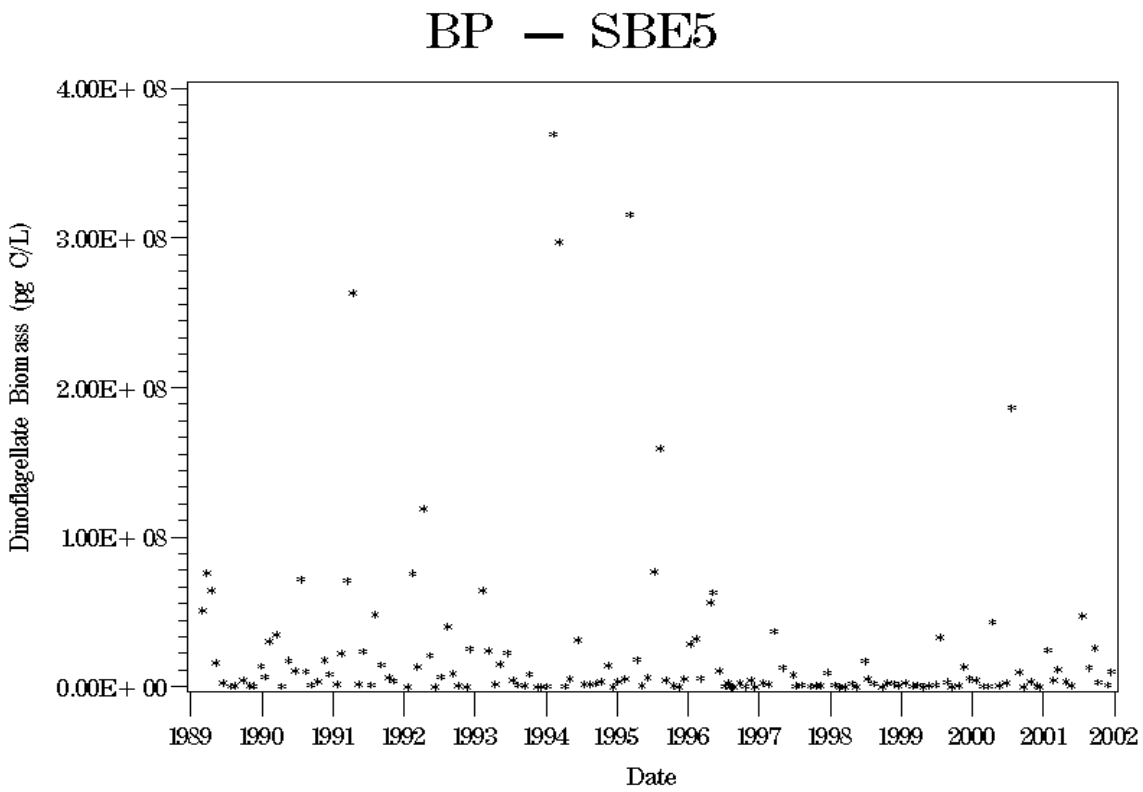

Figure F118. Plot of below pycnocline dinoflagellate biomass against time at station SBE5 for the period of 1989 through 2001.

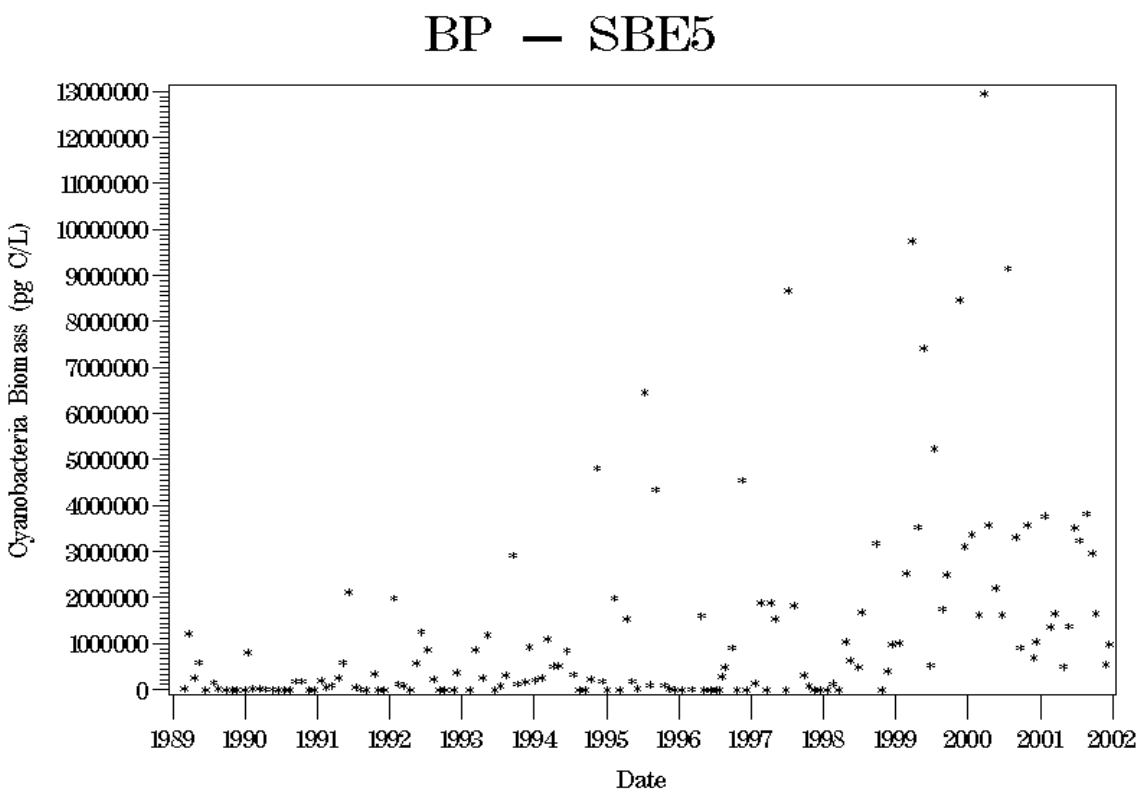

Figure F119. Plot of below pycnocline cyanobacteria biomass against time at station SBE5 for the period of 1989 through 2001.

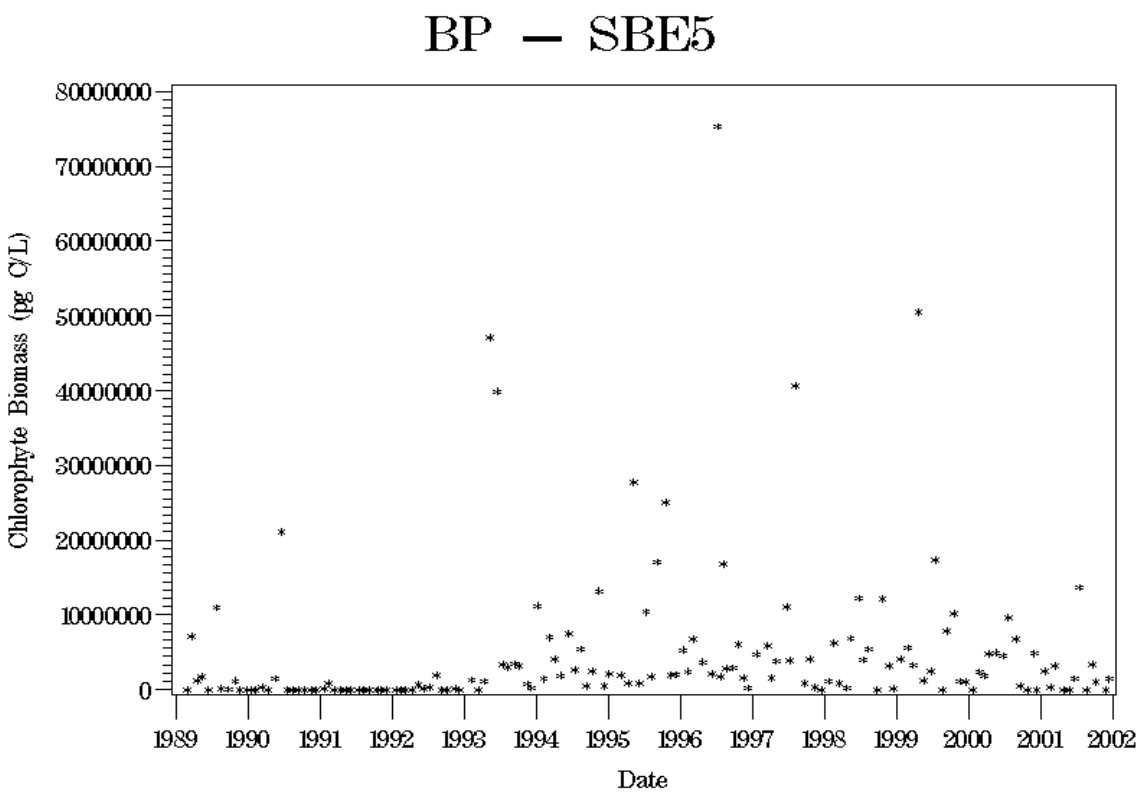

Figure F120. Plot of below pycnocline chlorophyte biomass against time at station SBE5 for the period of 1989 through 2001.

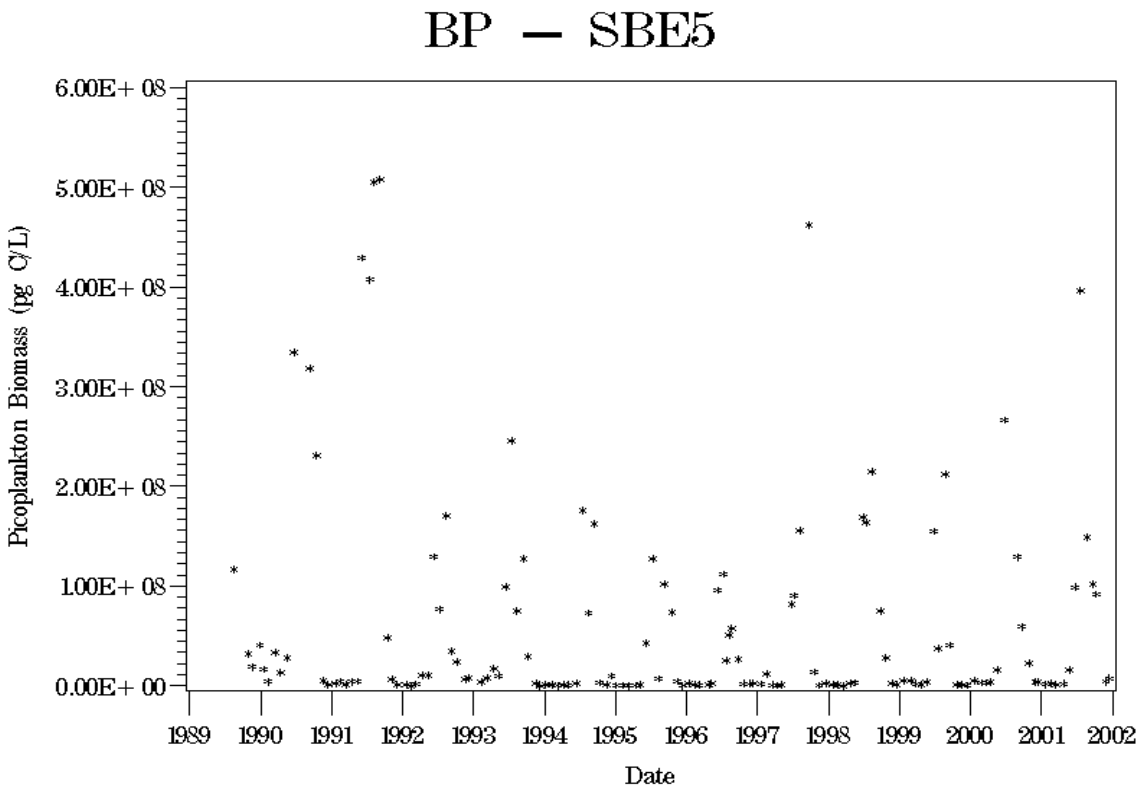

Figure F121. Plot of below pycnocline picoplankton biomass against time at station SBE5 for the period of 1989 through 2001.

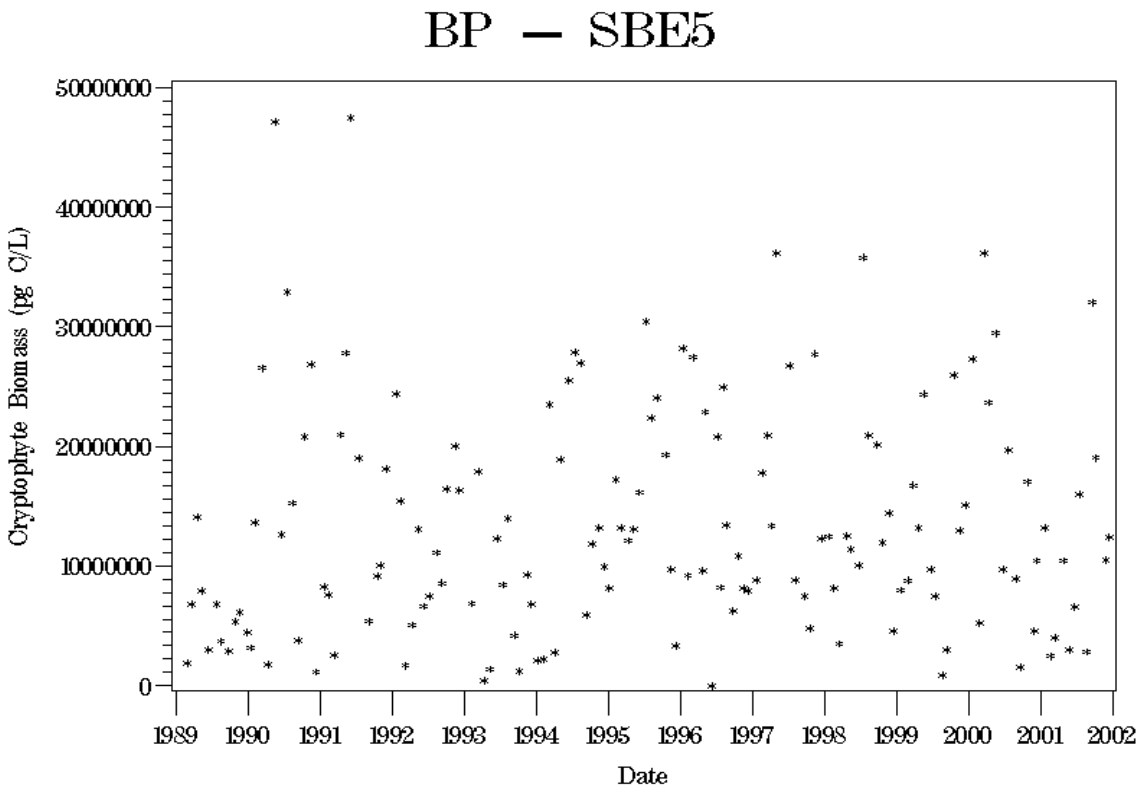

Figure F122. Plot of below pycnocline cryptophyte biomass at station SBE5 for the period of 1989 through 2001.

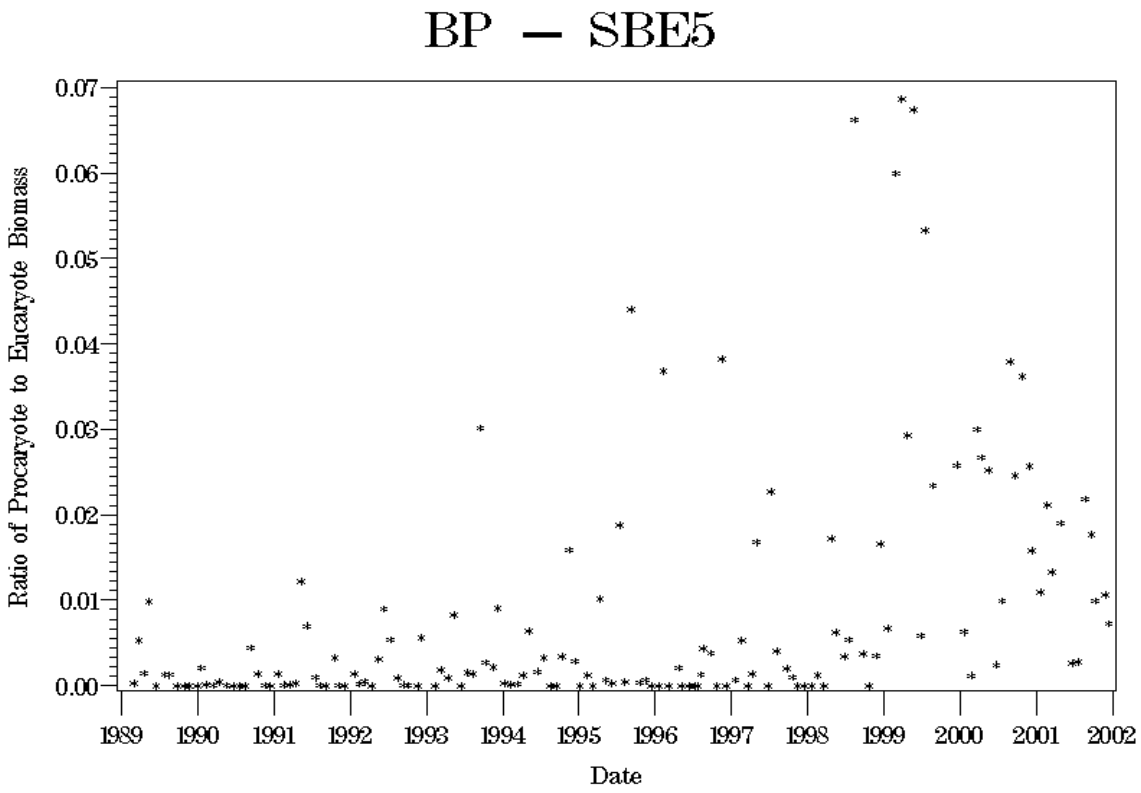

Figure F123. Plot of below pycnocline cyanophyte abundance at station SBE5 for the period of 1989 through 2001.

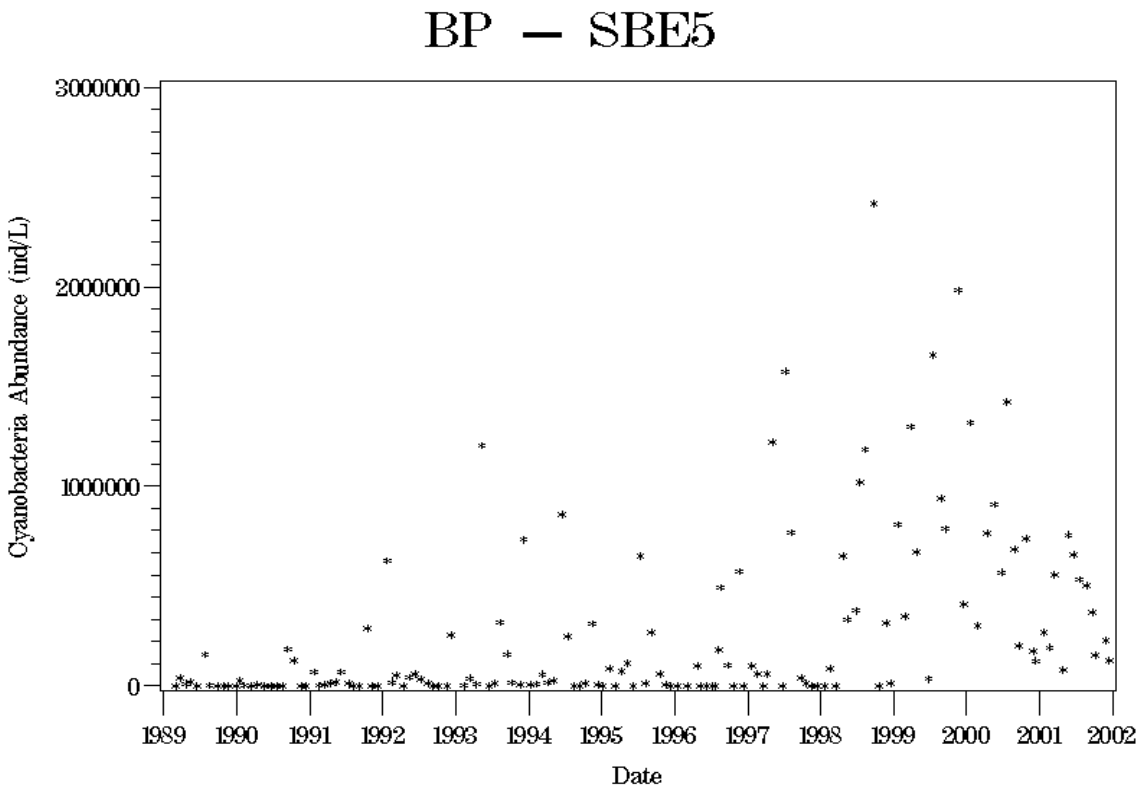

Figure F124. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station SBE5 for the period of 1989 through 2001.

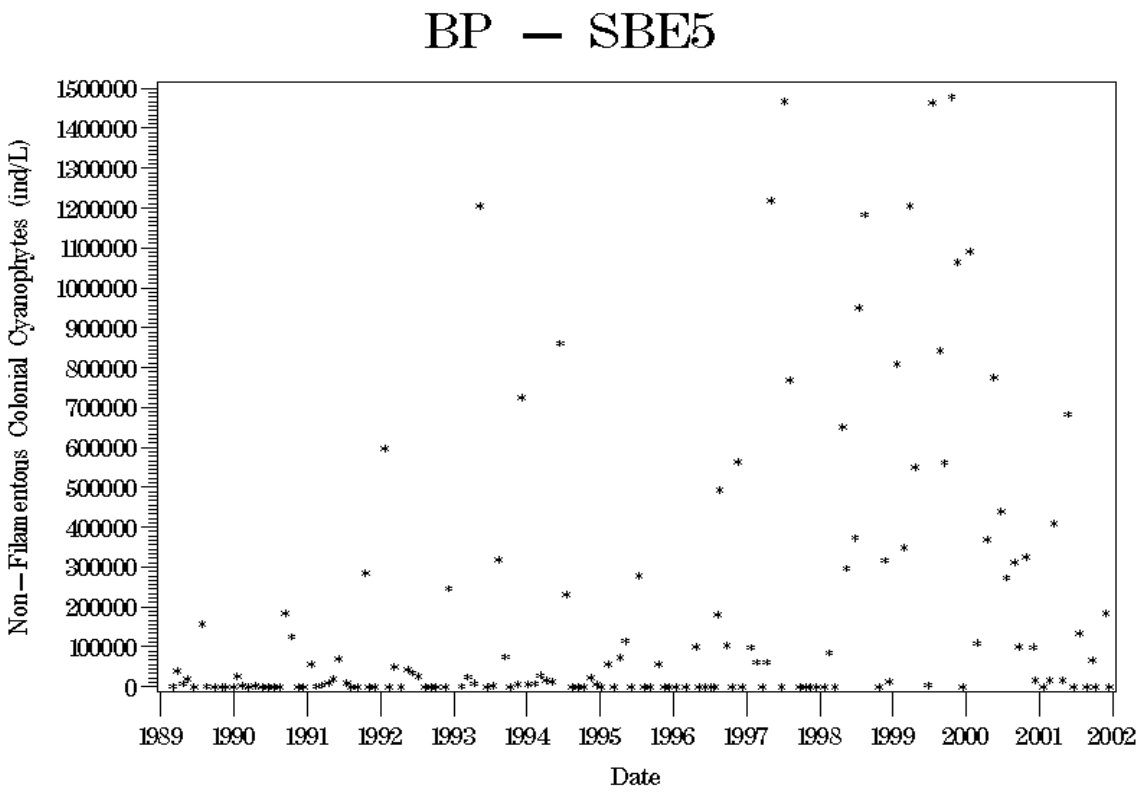

Figure F125. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station SBE5 for the period of 1989 through 2001.

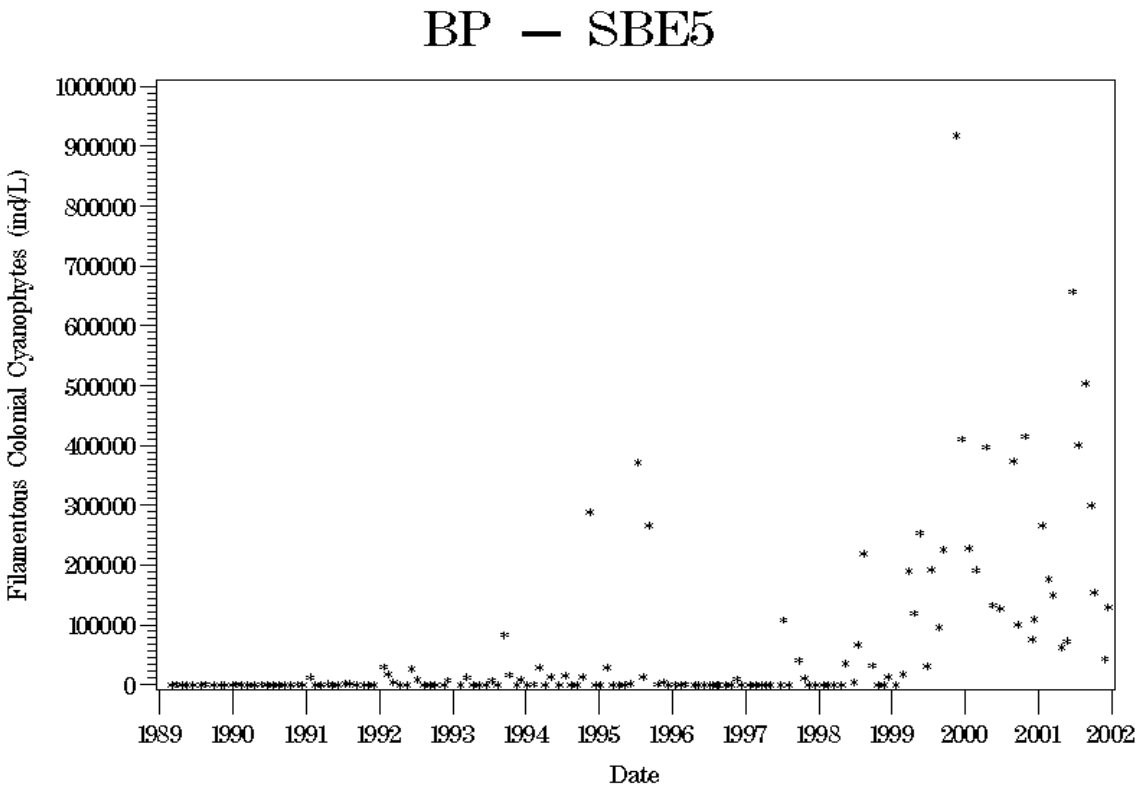

Figure F126. Plot of below pycnocline filamentous colonial cyanophyte abundance at station SBE5 for the period of 1989 through 2001.

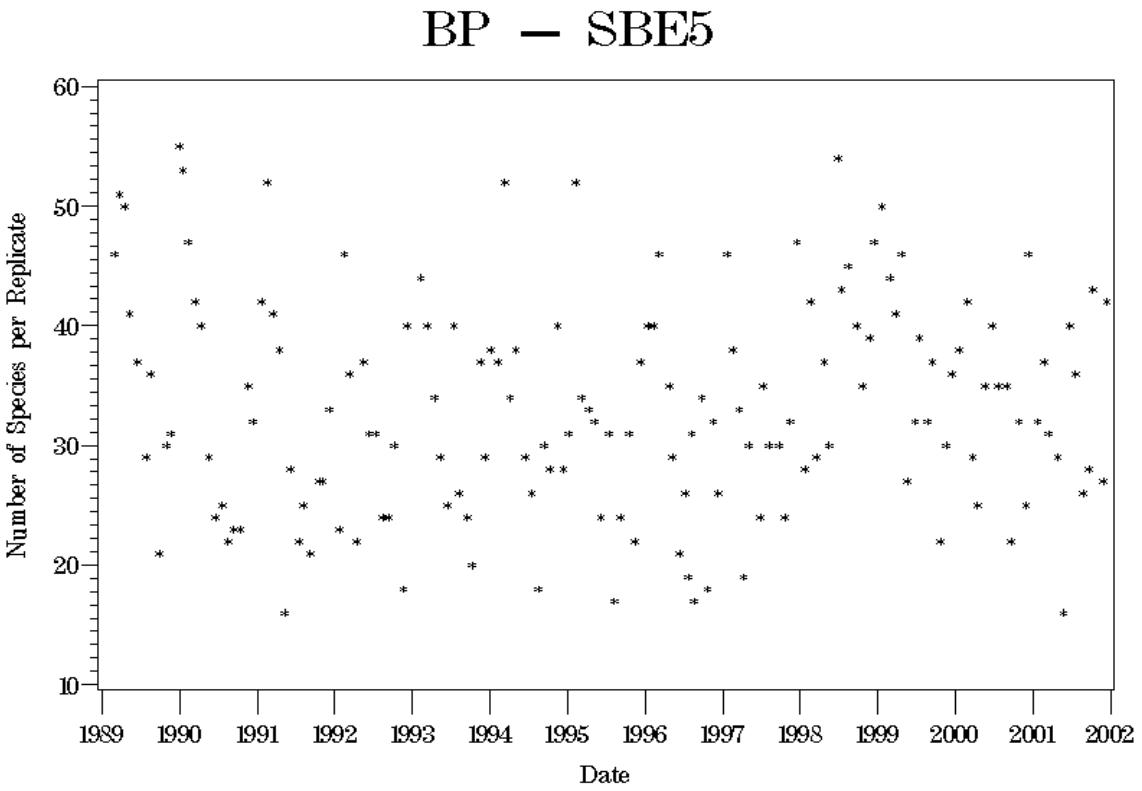

Figure F127. Plot of below pycnocline number of species per replicate at station SBE5 for the period of 1989 through 2001.

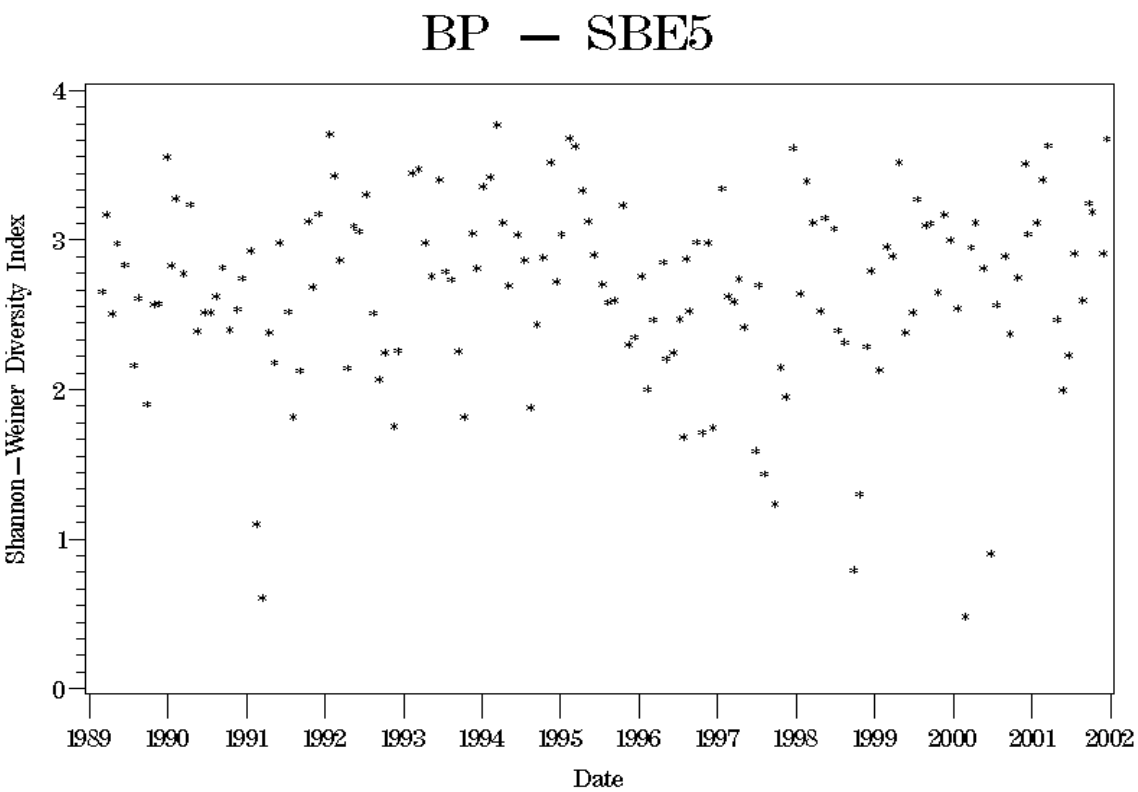

Figure F128. Plot of below pycnocline Shannon-Weiner diversity index at station SBE5 for the period of 1989 through 2001.

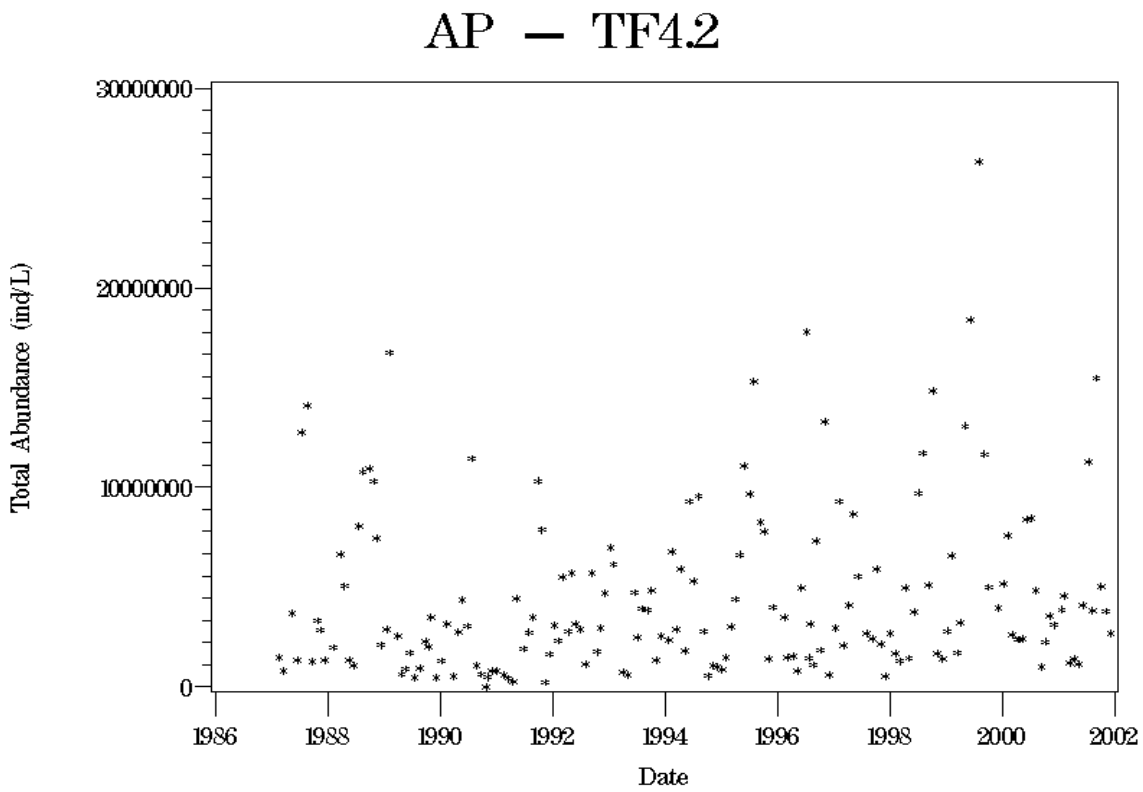

Figure F129. Plot of above pycnocline total phytoplankton abundance against time at station TF4.2 for the period of 1987 through 2001.

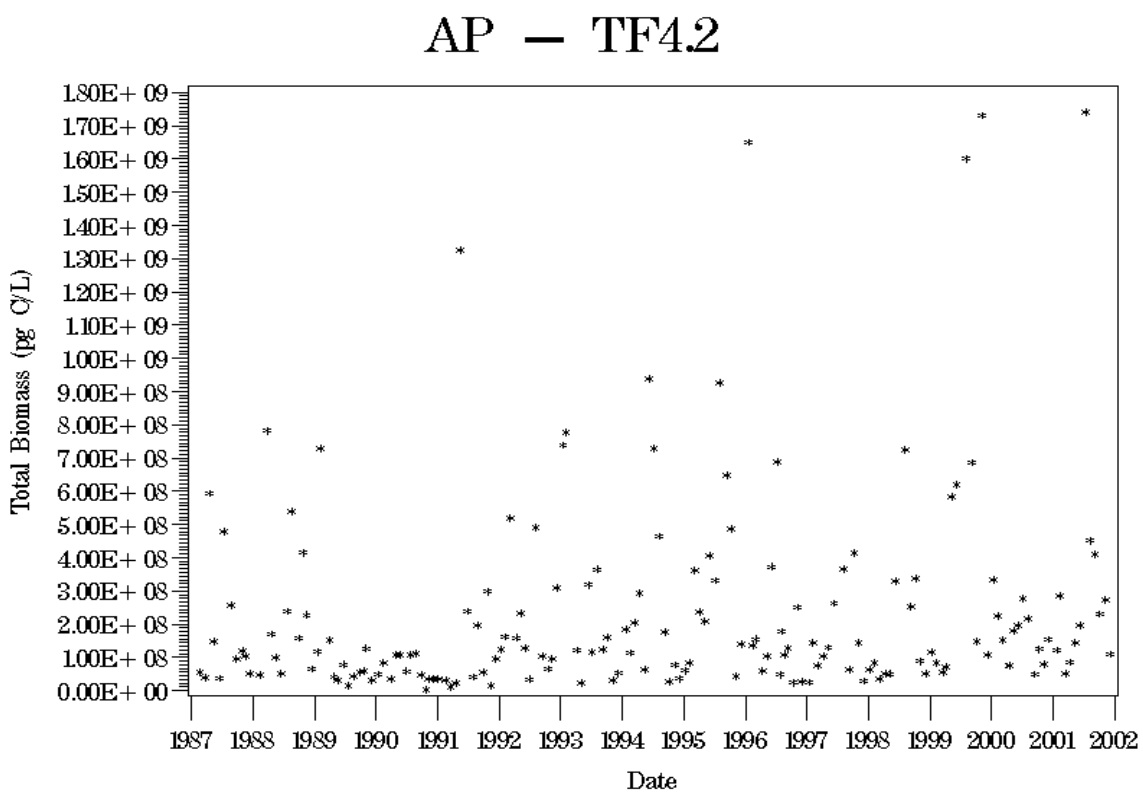

Figure F130. Plot of above pycnocline total phytoplankton biomass against time at station TF4.2 for the period of 1987 through 2001.

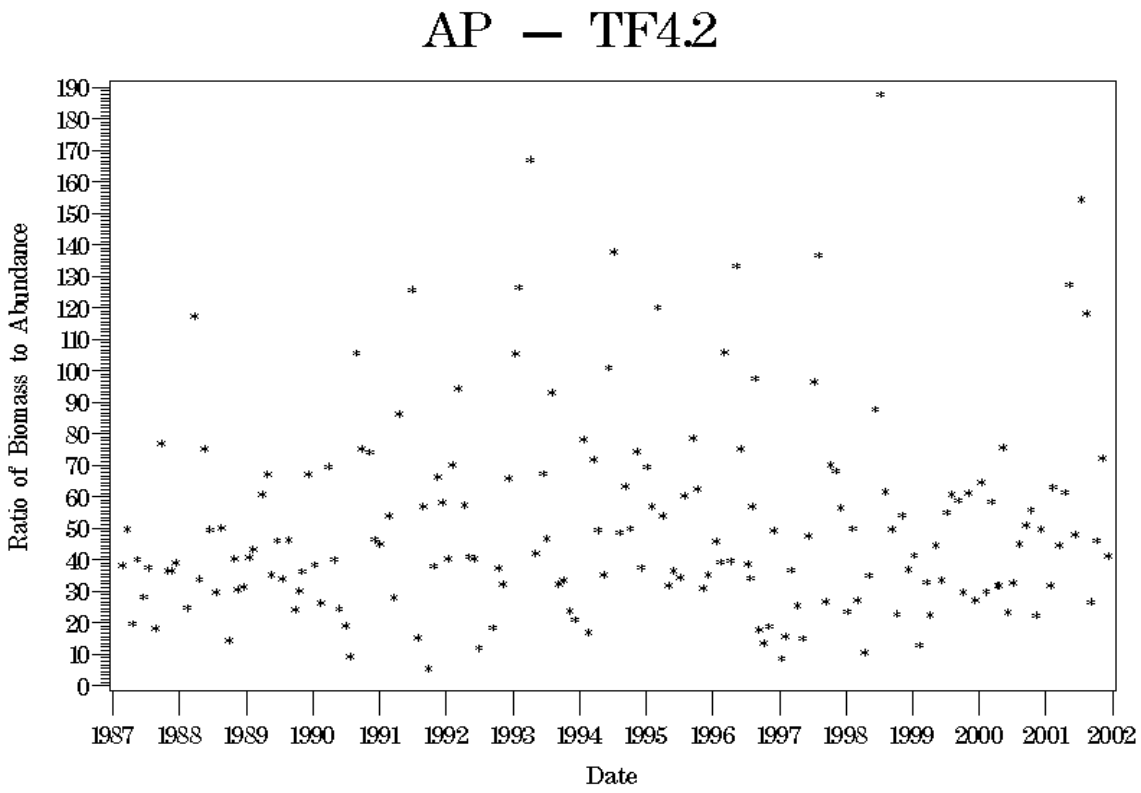

Figure F131. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station TF4.2 for the period of 1987 through 2001.

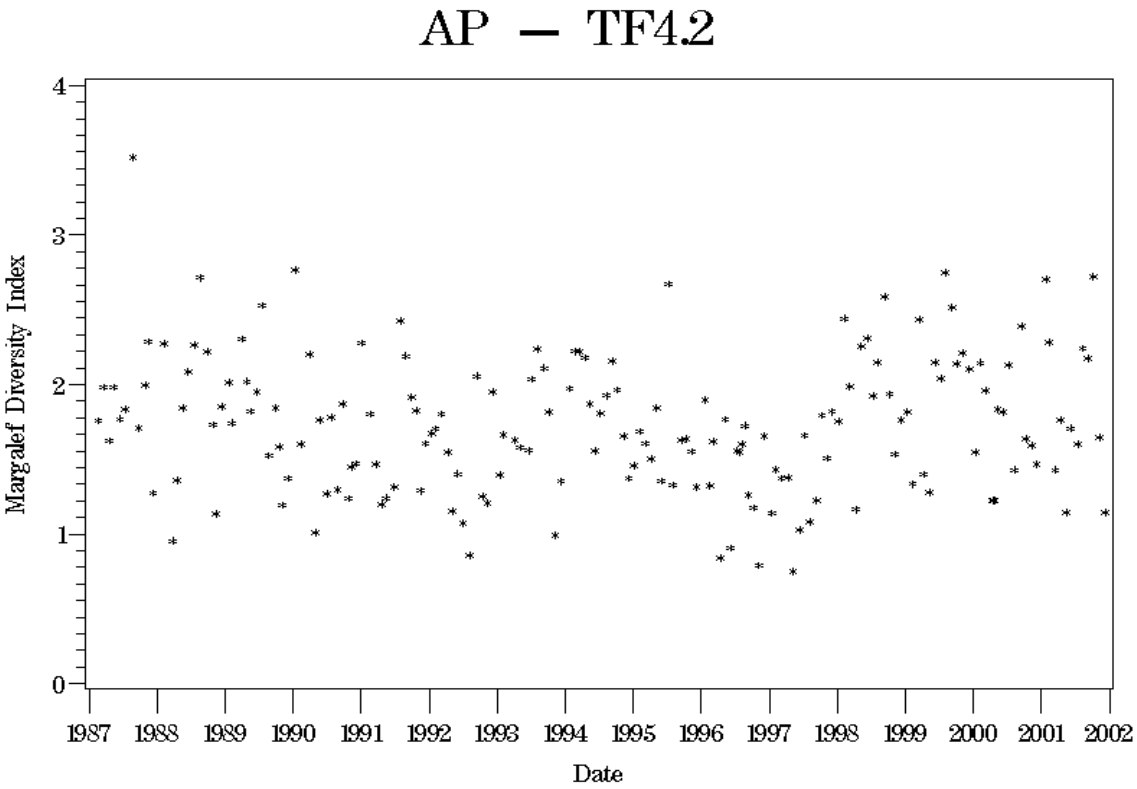

Figure F132. Plot of above pycnocline Margalef diversity index against time at station TF4.2 for the period of 1987 through 2001.

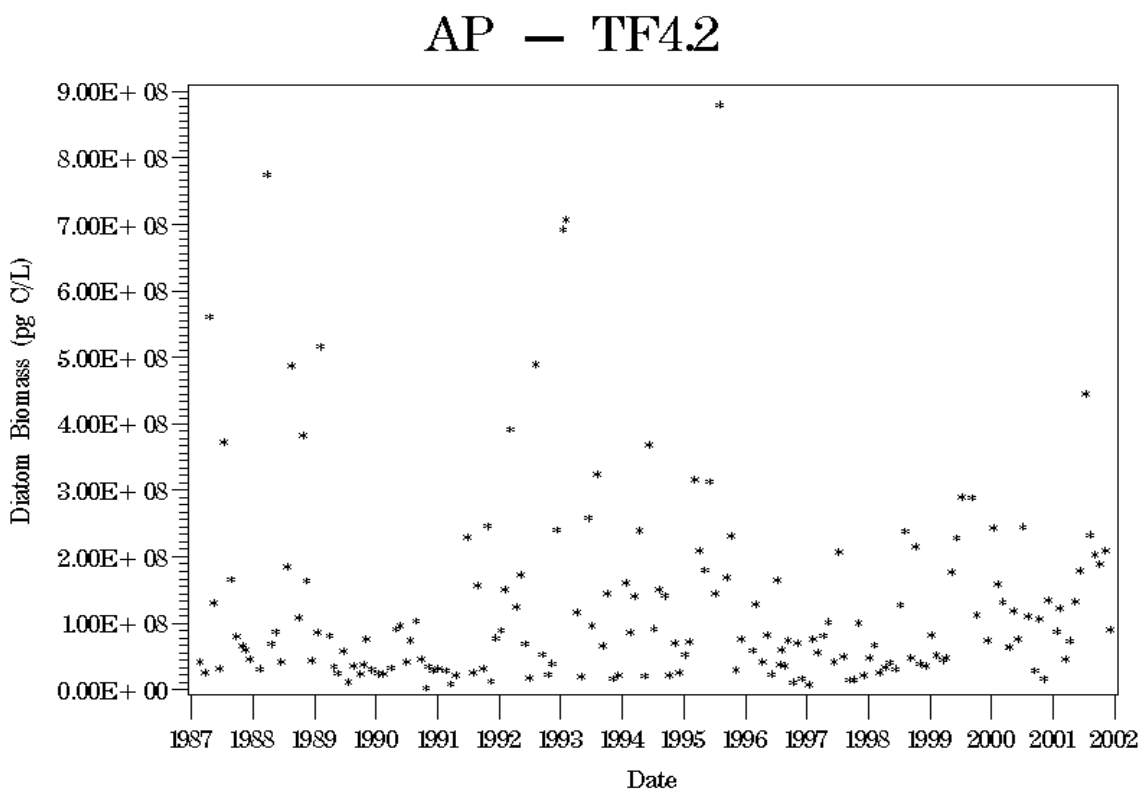

Figure F133. Plot of above pycnocline diatom biomass against time at station TF4.2 for the period of 1987 through 2001.

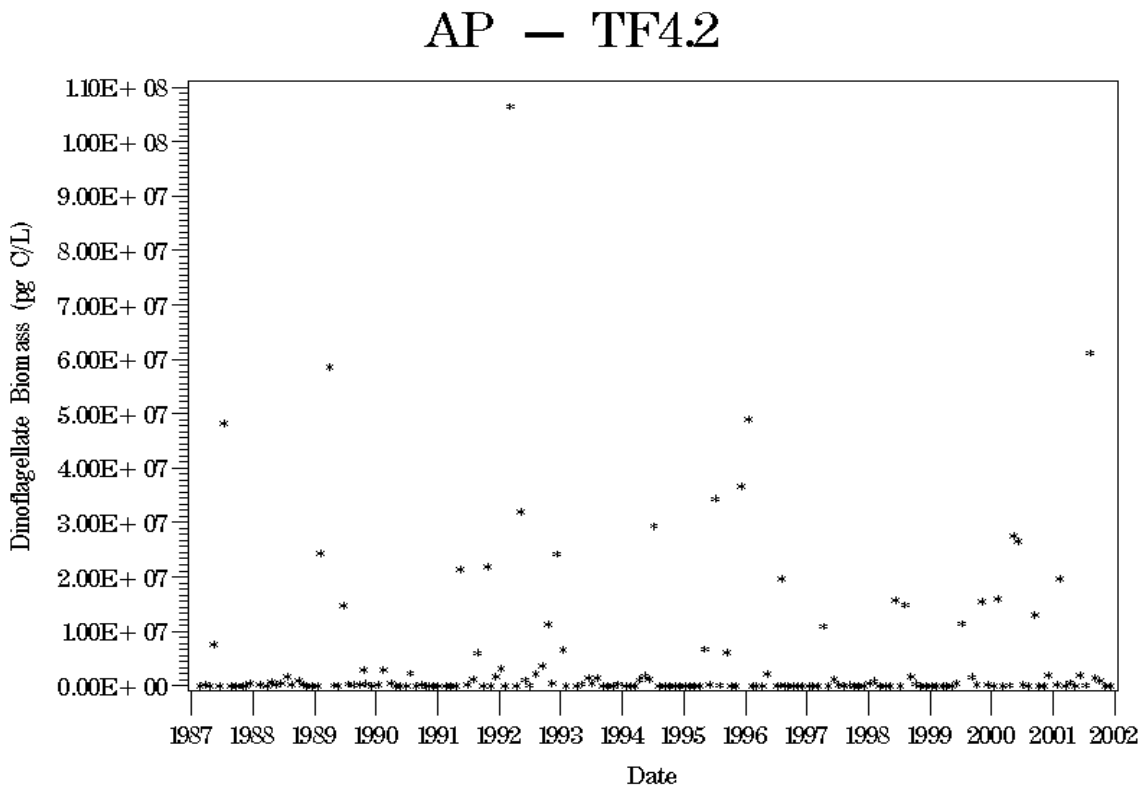

Figure F134. Plot of above pycnocline dinoflagellate biomass against time at station TF4.2 for the period of 1987 through 2001.

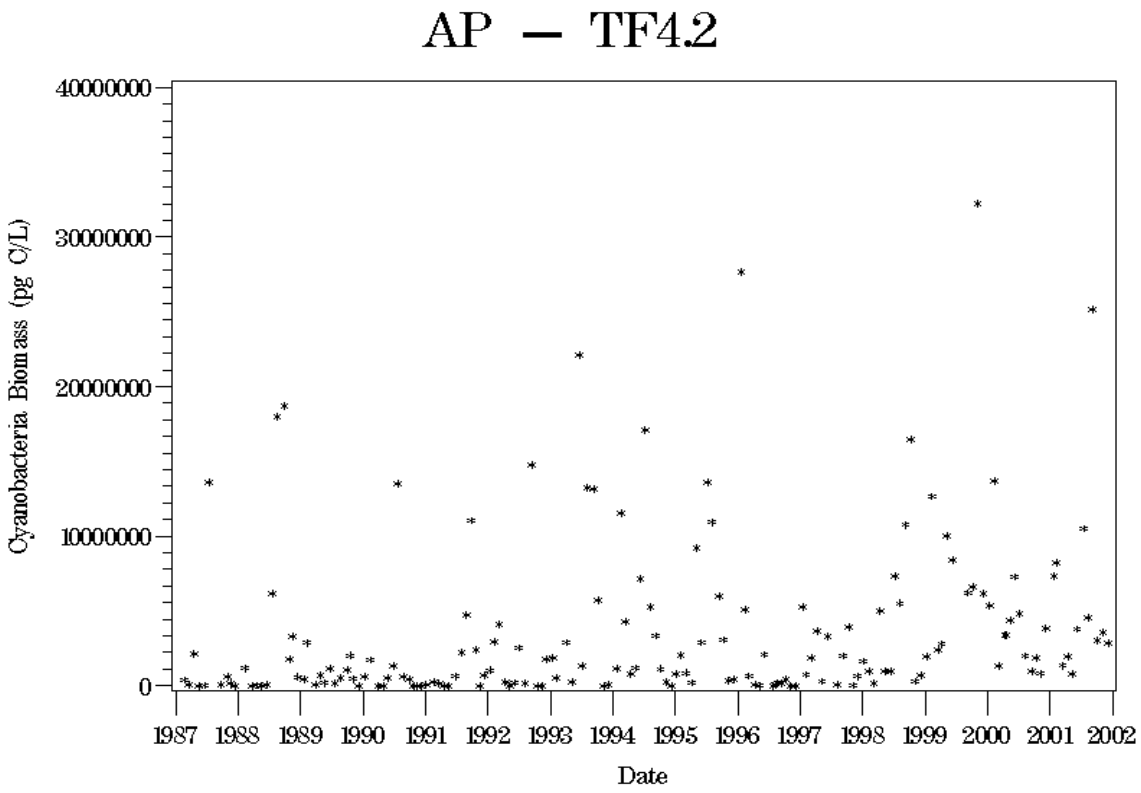

Figure F135. Plot of above pycnocline cyanobacteria biomass against time at station TF4.2 for the period of 1987 through 2001.

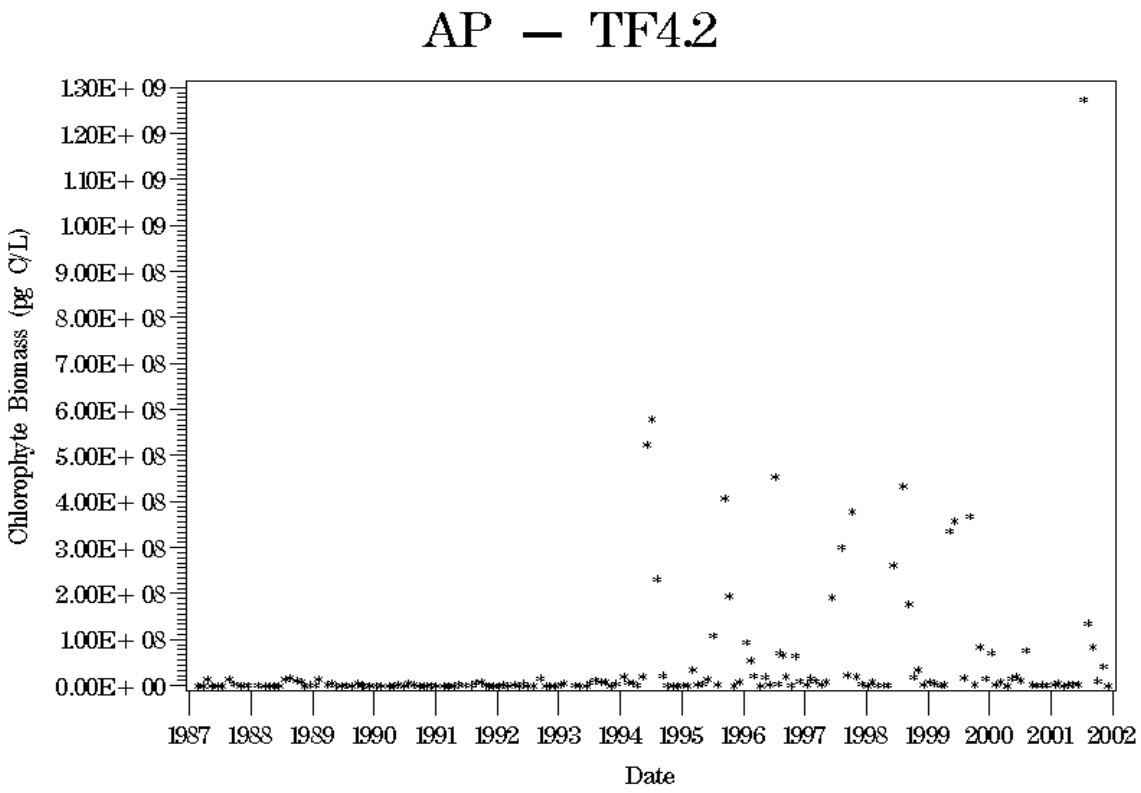

Figure F136. Plot of above pycnocline chlorophyte biomass against time at station TF4.2 for the period of 1987 through 2001.

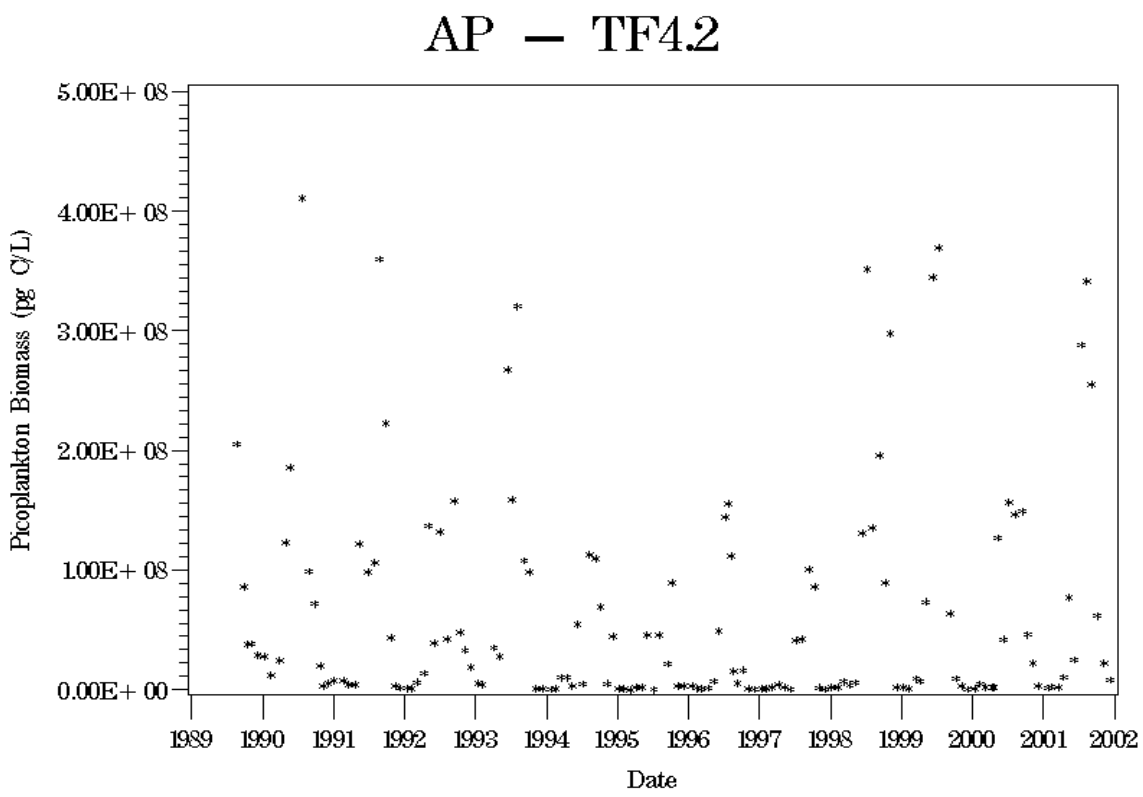

Figure F137. Plot of above pycnocline picoplankton biomass against time at station TF4.2 for the period of 1989 through 2001.

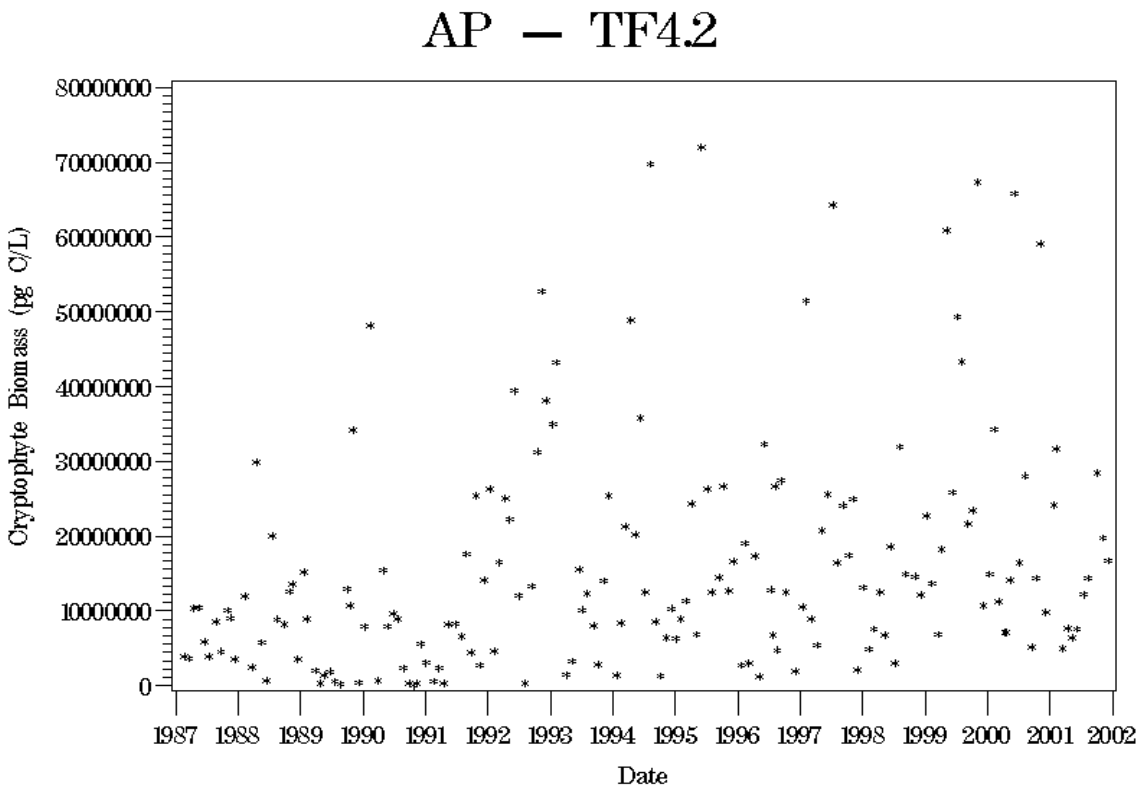

Figure F138. Plot of above pycnocline cryptophyte biomass at station TF4.2 for the period of 1987 through 2001.

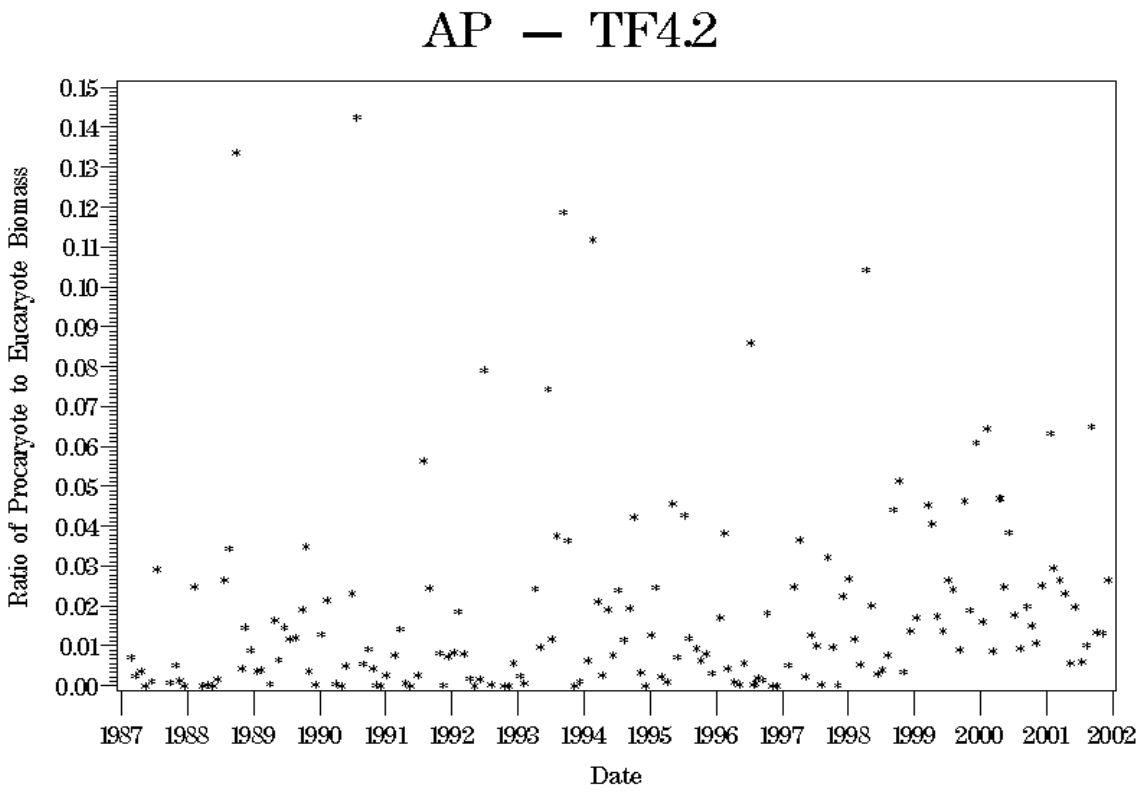

Figure F139. Plot of above pycnocline cyanophyte abundance at station TF4.2 for the period of 1987 through 2001.

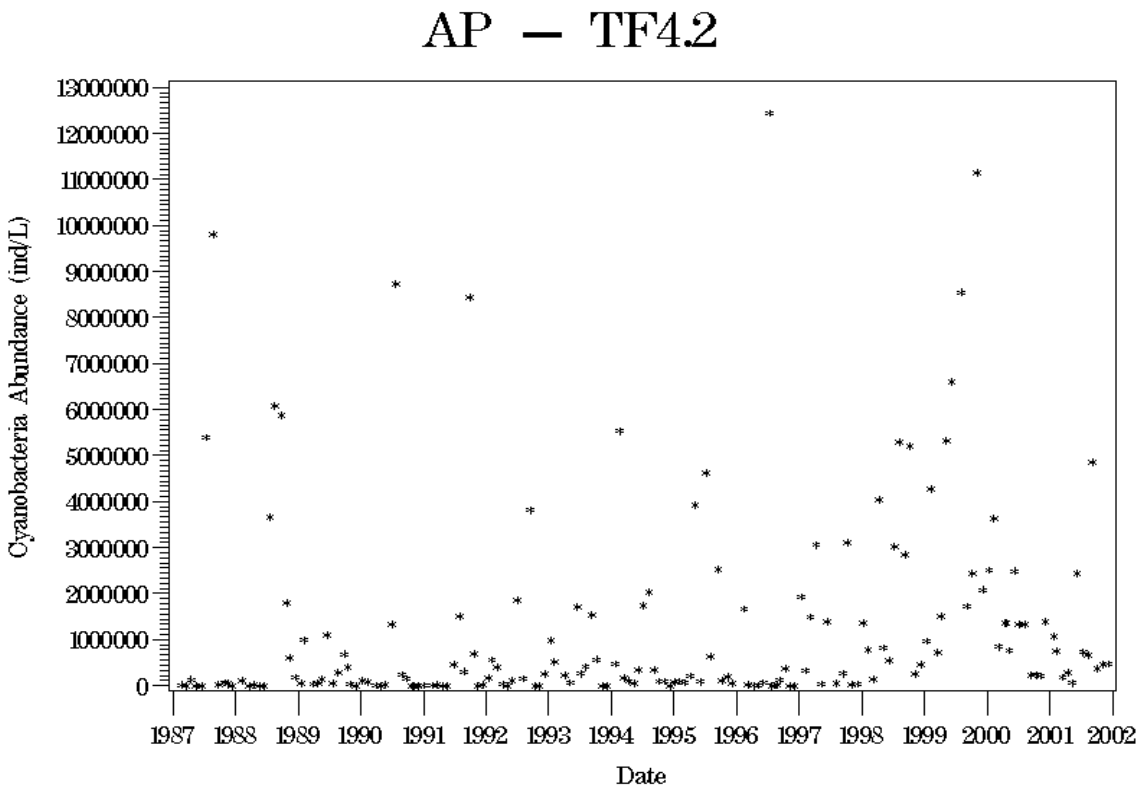

Figure F140. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station TF4.2 for the period of 1987 through 2001.

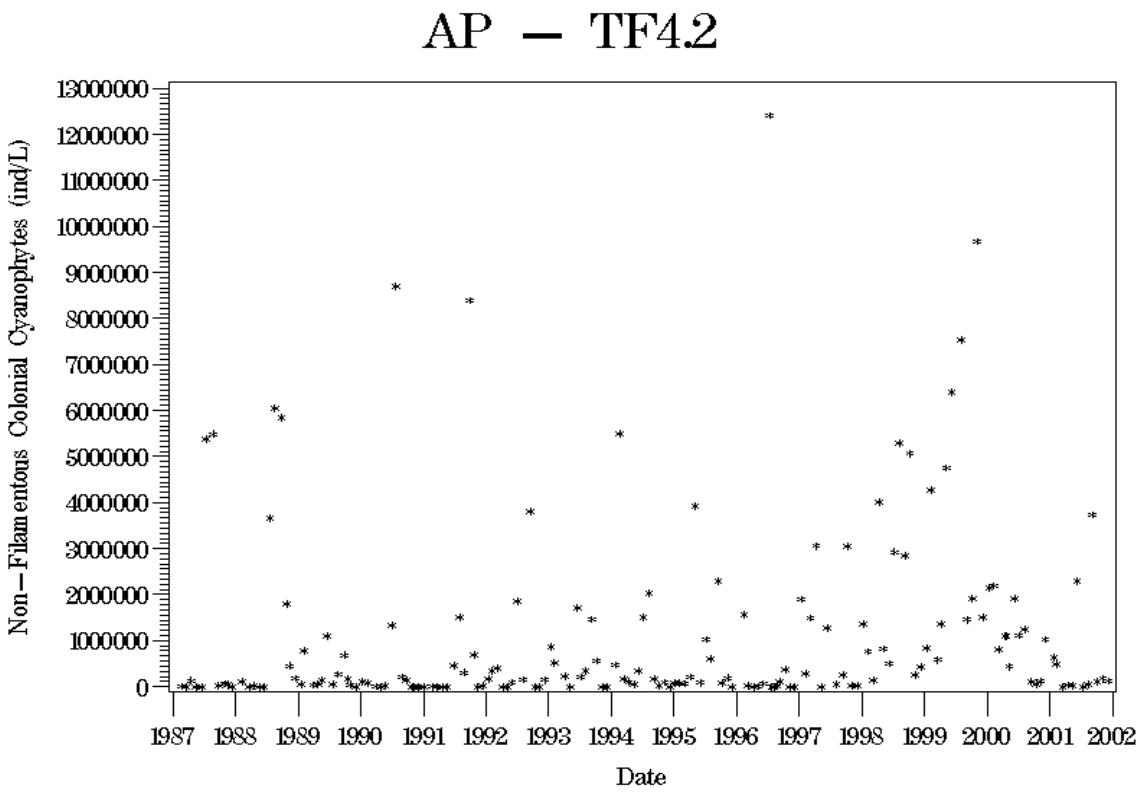

Figure F141. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station TF4.2 for the period of 1987 through 2001.

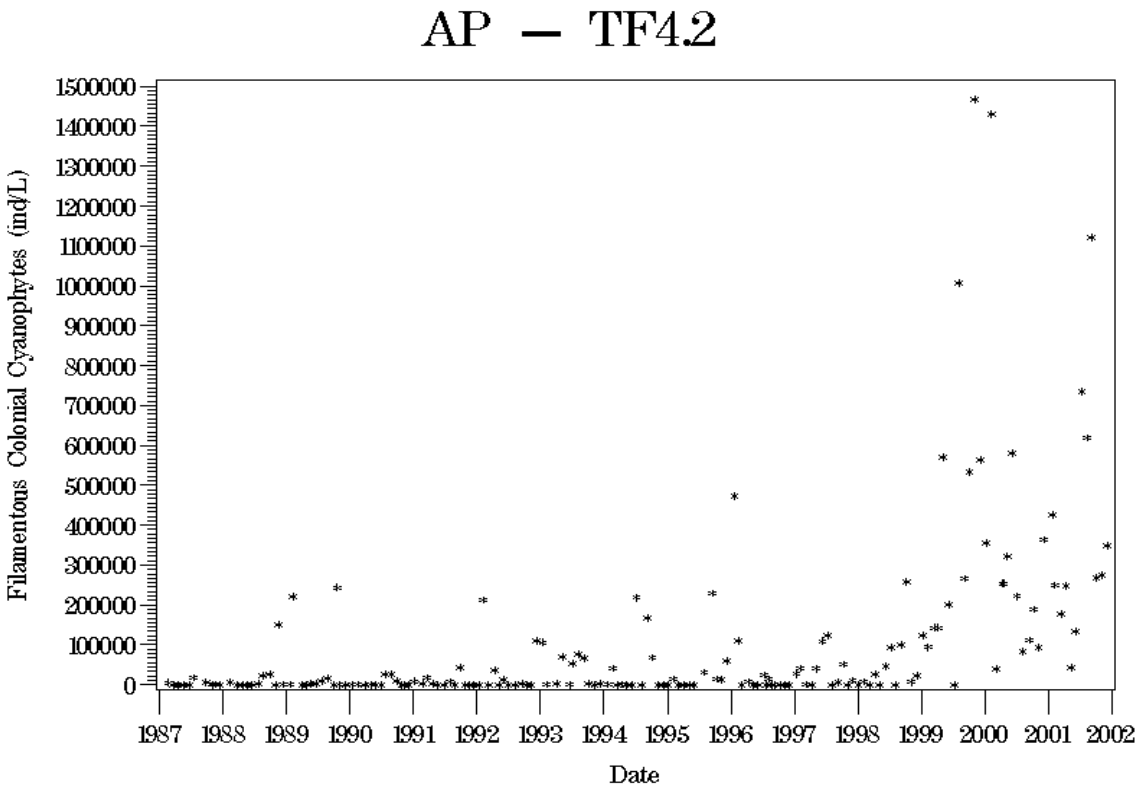

Figure F142. Plot of above pycnocline filamentous colonial cyanophyte abundance at station TF4.2 for the period of 1987 through 2001.

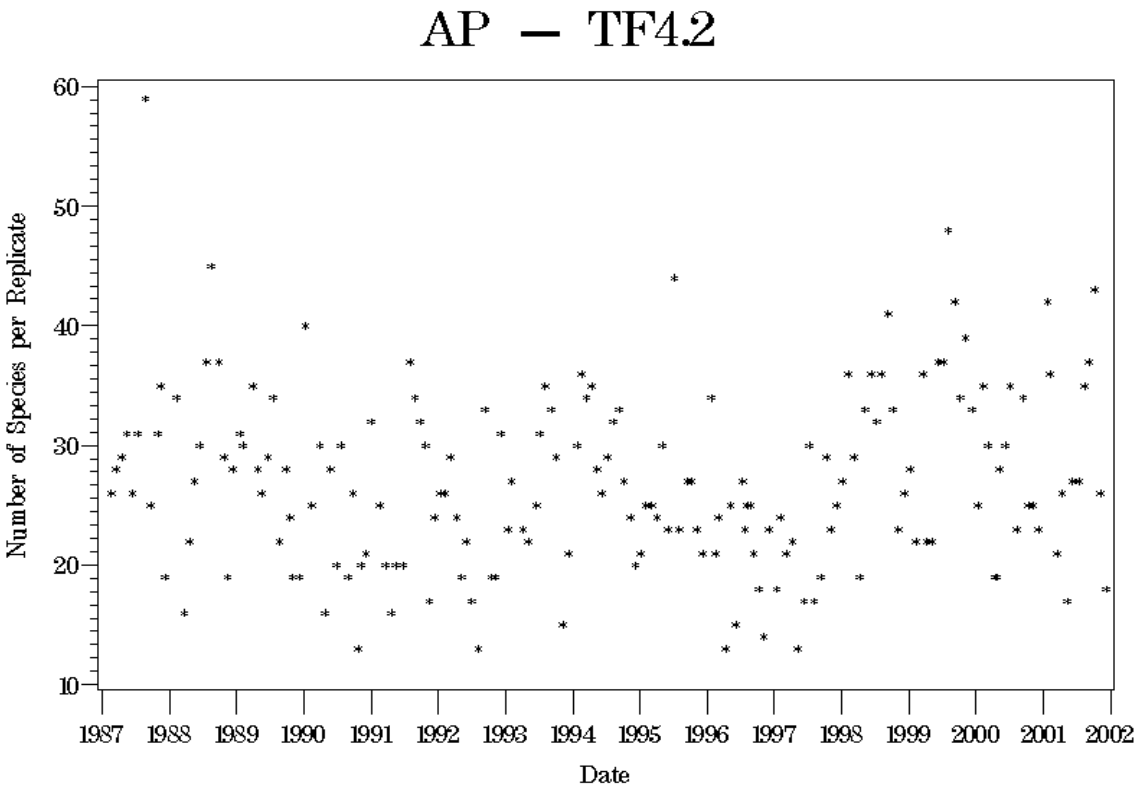

Figure F143. Plot of above pycnocline number of species per replicate at station TF4.2 for the period of 1987 through 2001.

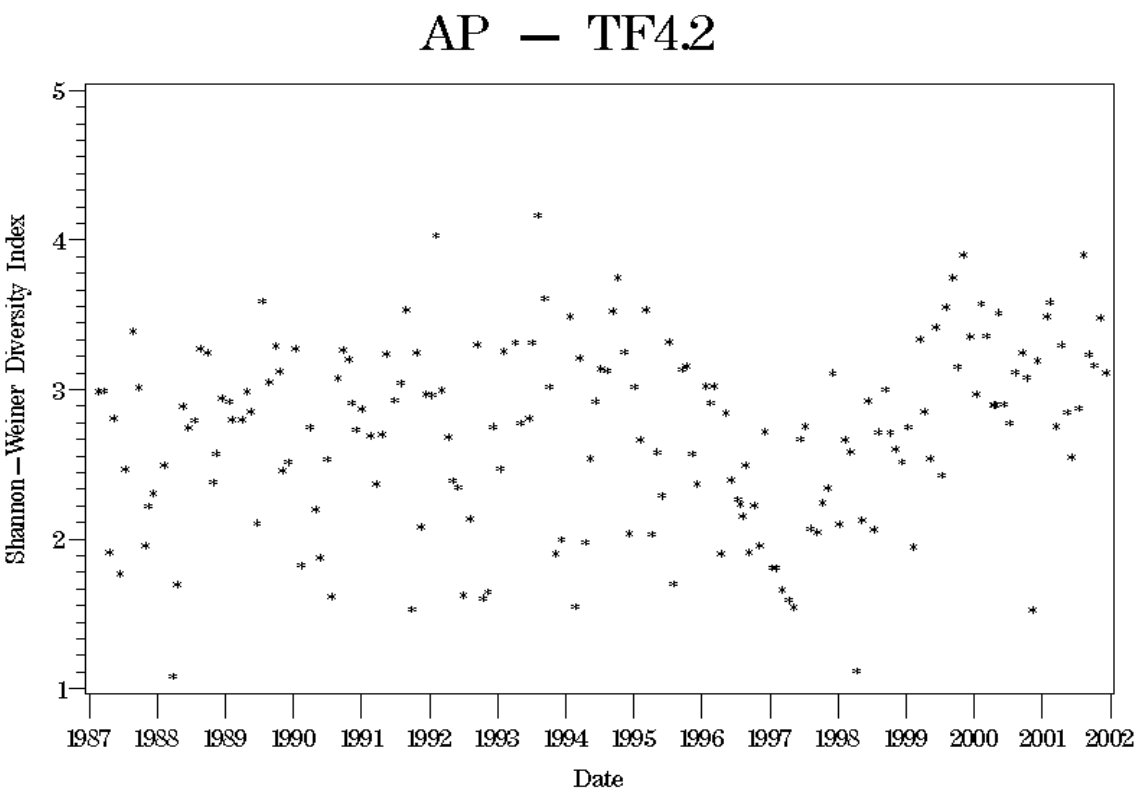

Figure F144. Plot of above pycnocline Shannon-Weiner diversity index at station TF4.2 for the period of 1987 through 2001.

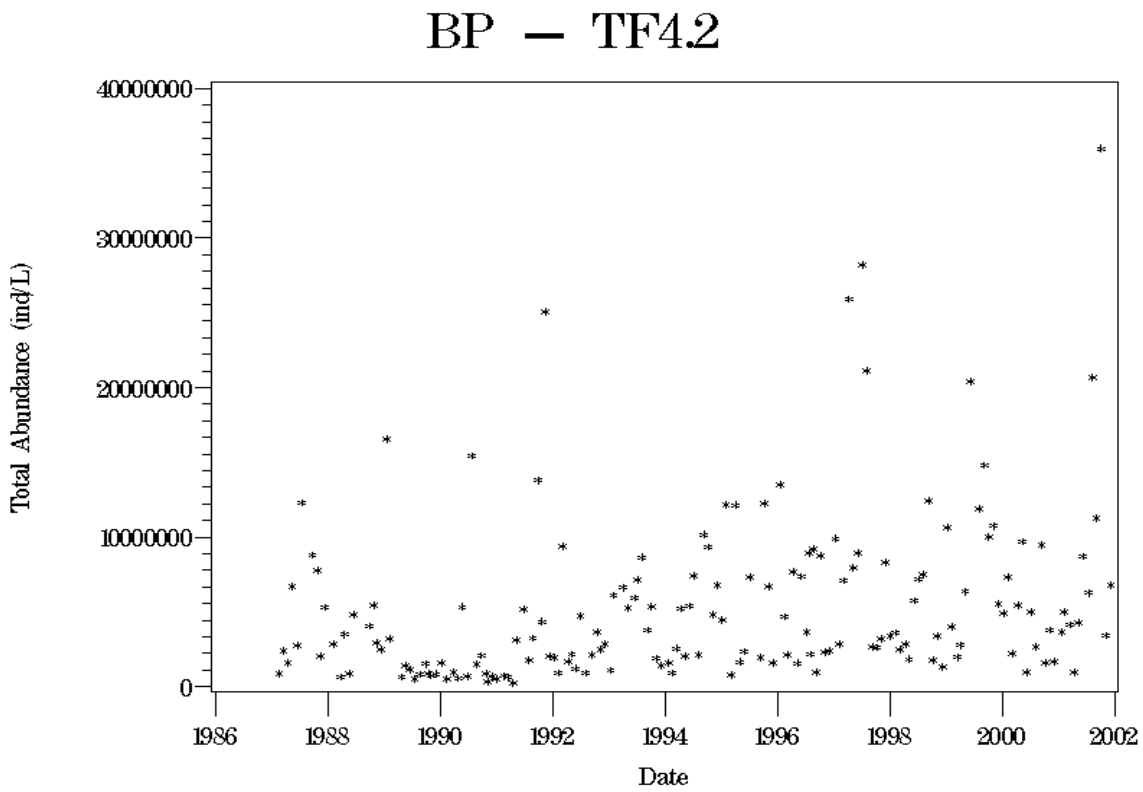

Figure F145. Plot of below pycnocline total phytoplankton abundance against time at station TF4.2 for the period of 1987 through 2001.

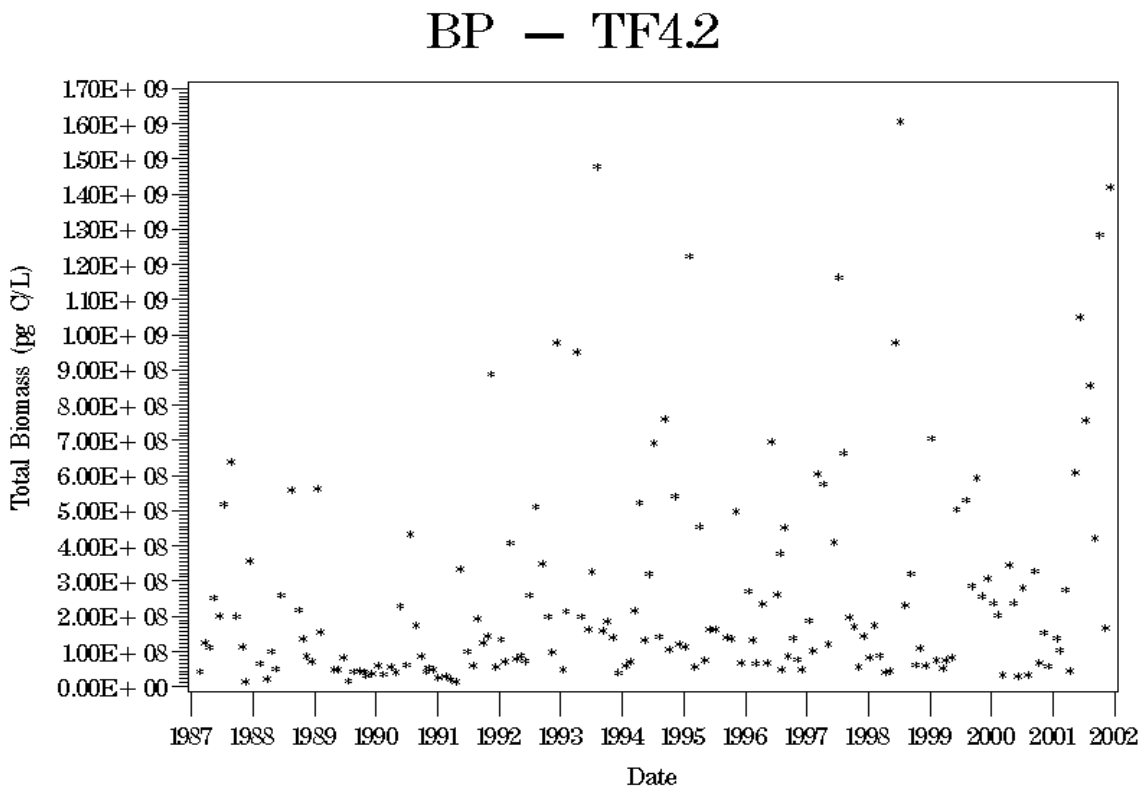

Figure F146. Plot of below pycnocline total phytoplankton biomass against time at station TF4.2 for the period of 1987 through 2001.

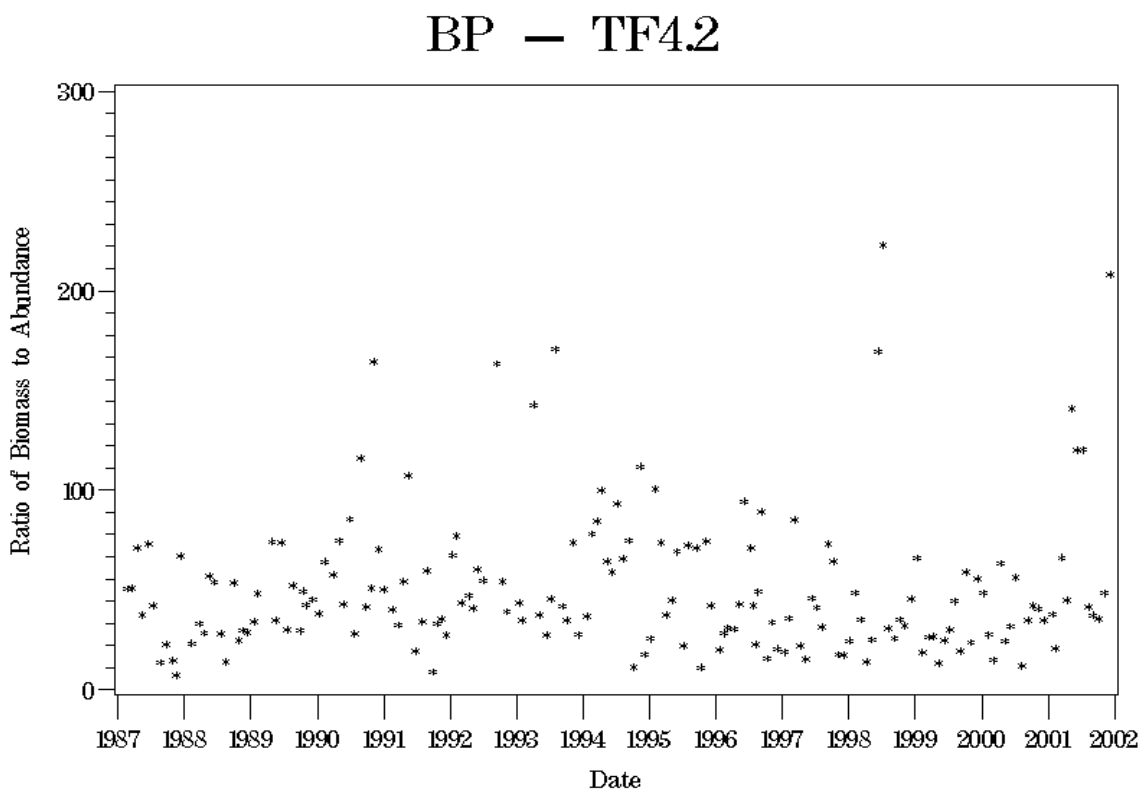

Figure F147. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station TF4.2 for the period of 1987 through 2001.

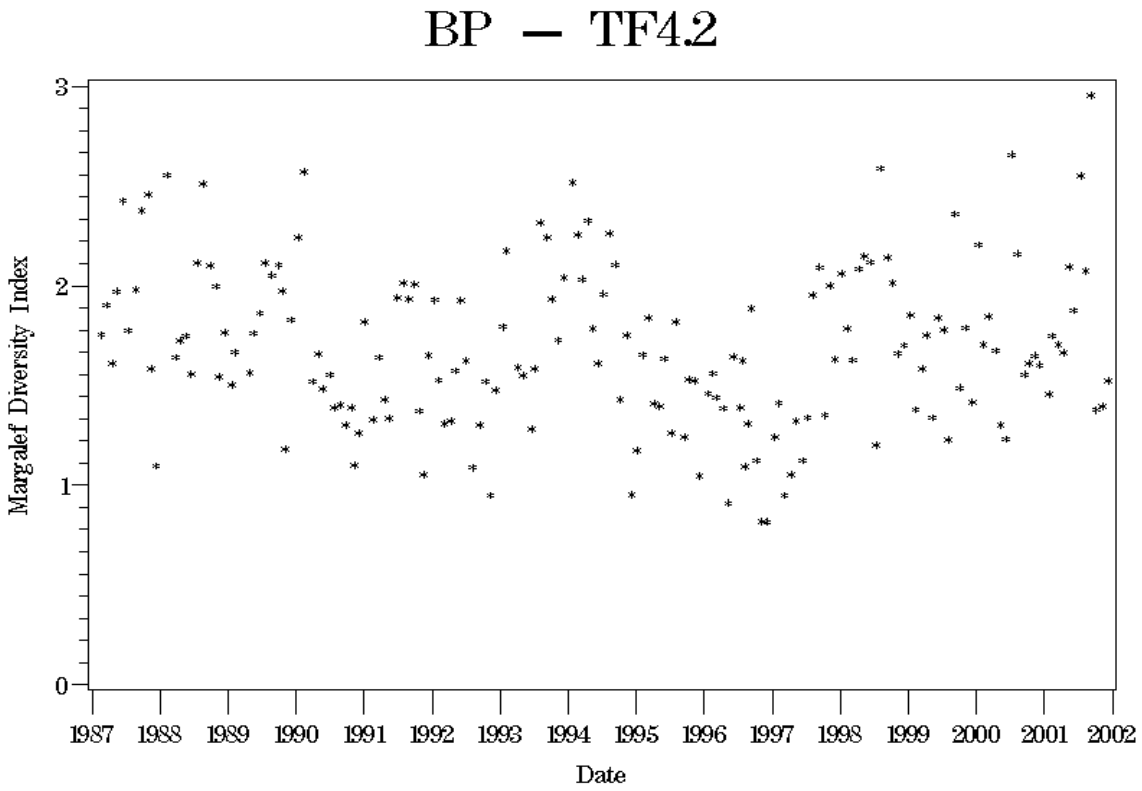

Figure F148. Plot of below pycnocline Margalef diversity index against time at station TF4.2 for the period of 1987 through 2001.

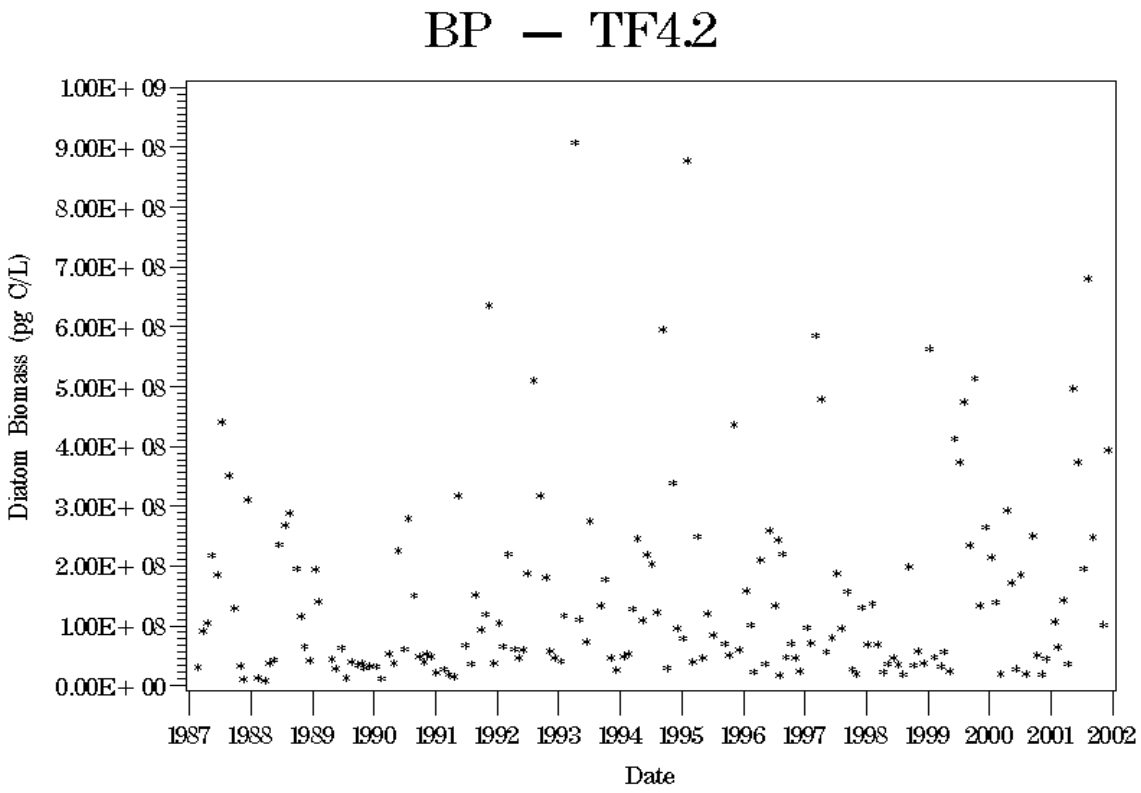

Figure F149. Plot of below pycnocline diatom biomass against time at station TF4.2 for the period of 1987 through 2001.

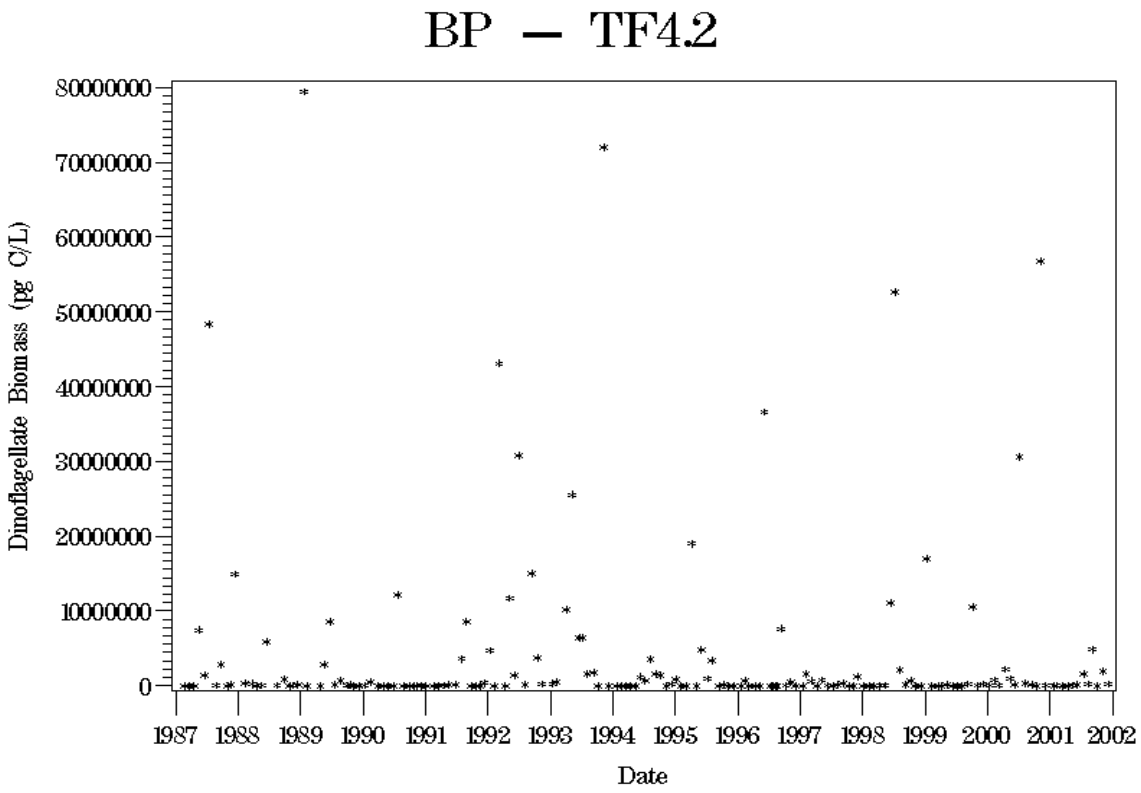

Figure F150. Plot of below pycnocline dinoflagellate biomass against time at station TF4.2 for the period of 1987 through 2001.

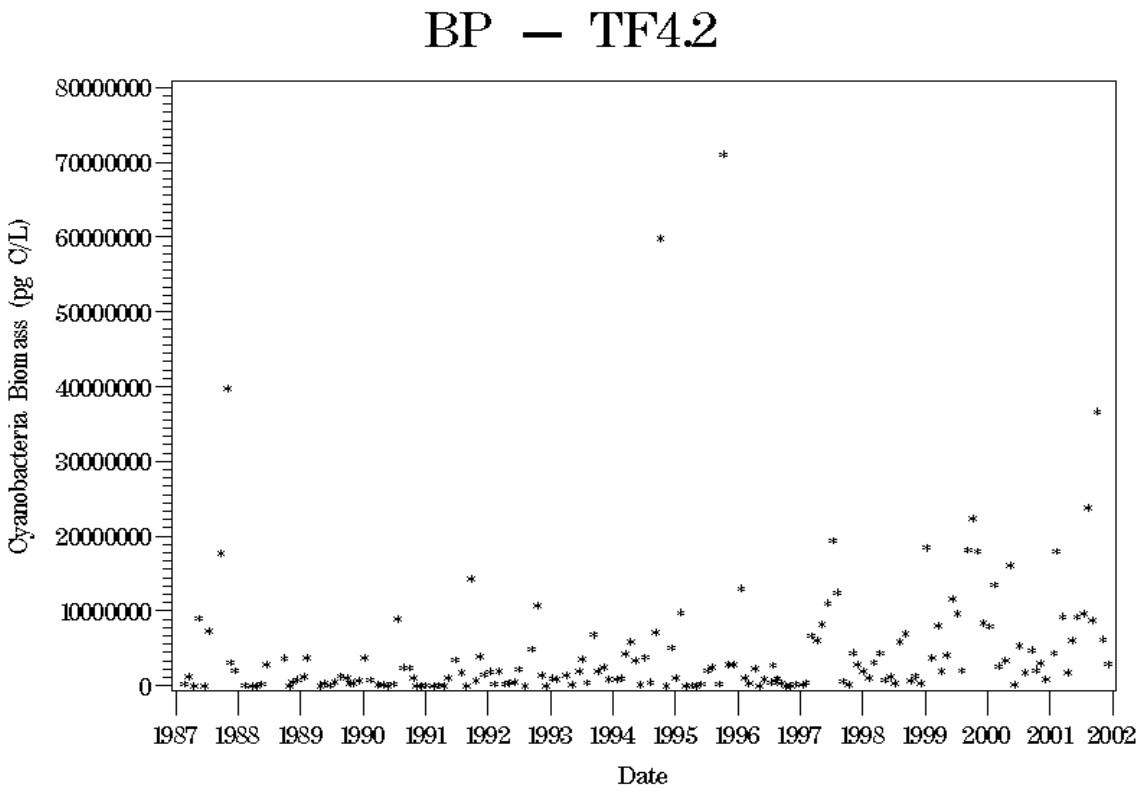

Figure F151. Plot of below pycnocline cyanobacteria biomass against time at station TF4.2 for the period of 1987 through 2001.

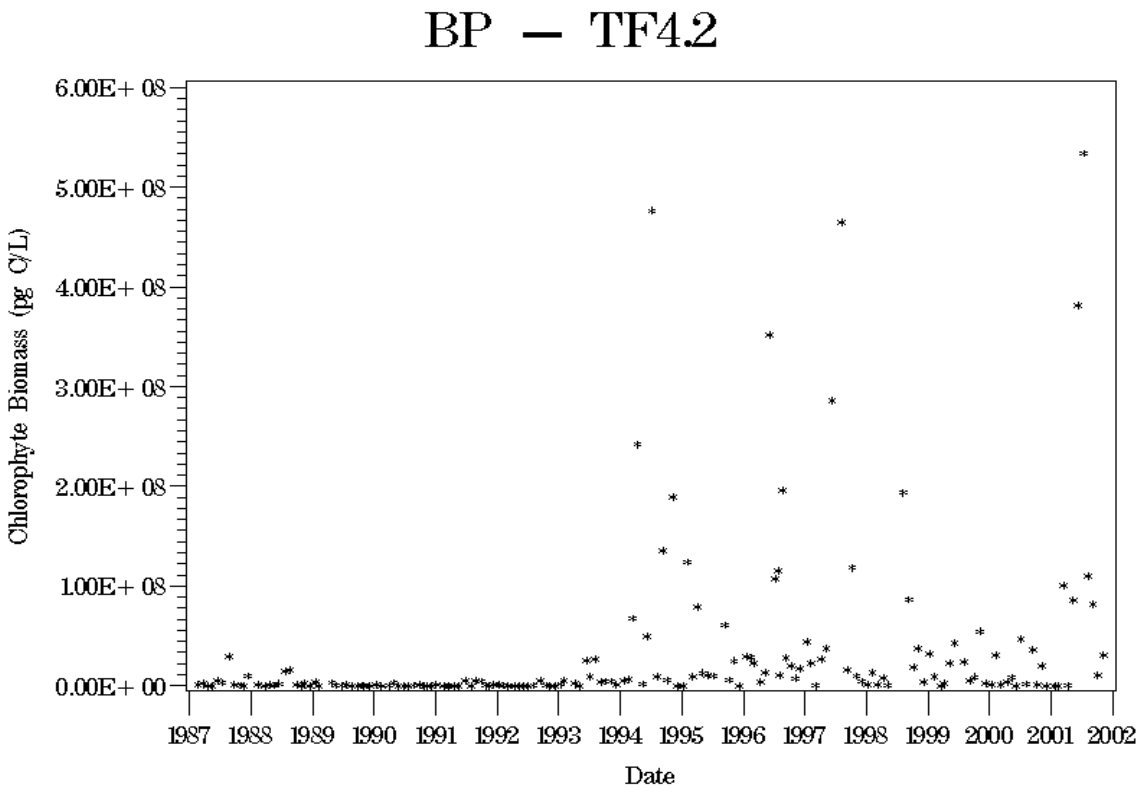

Figure F152. Plot of below pycnocline chlorophyte biomass against time at station TF4.2 for the period of 1987 through 2001.

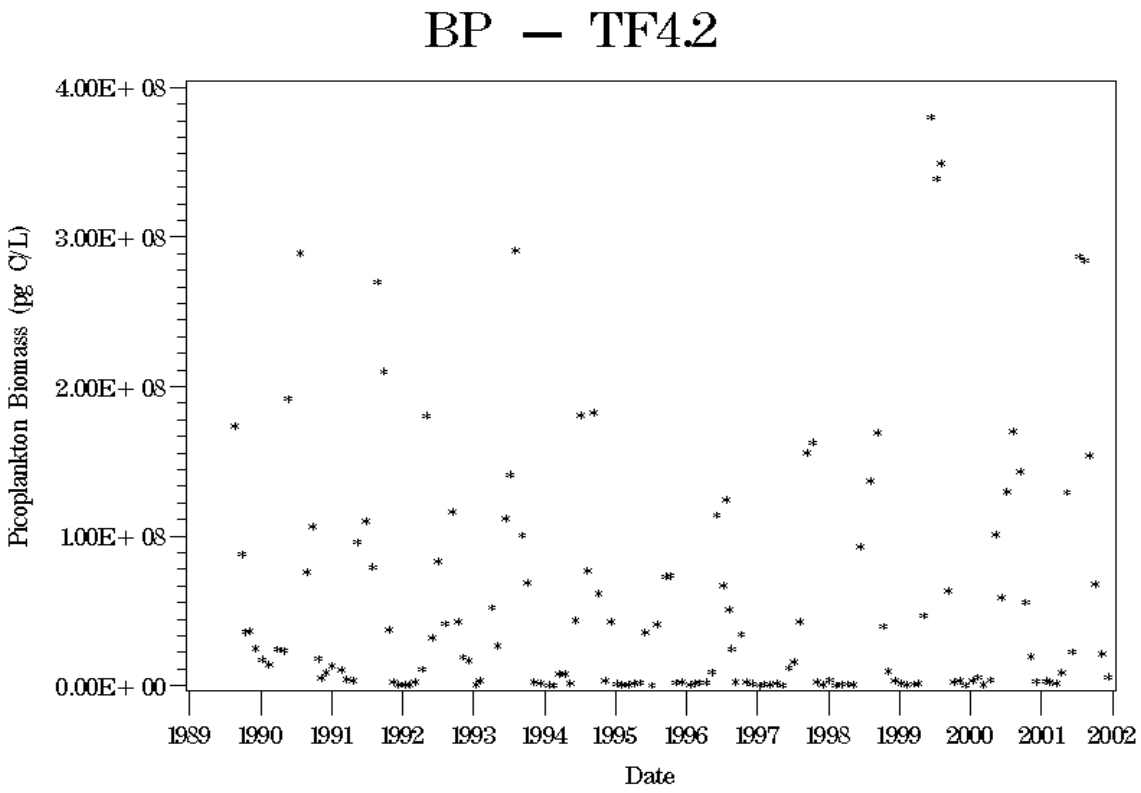

Figure F153. Plot of below pycnocline picoplankton biomass against time at station TF4.2 for the period of 1989 through 2001.

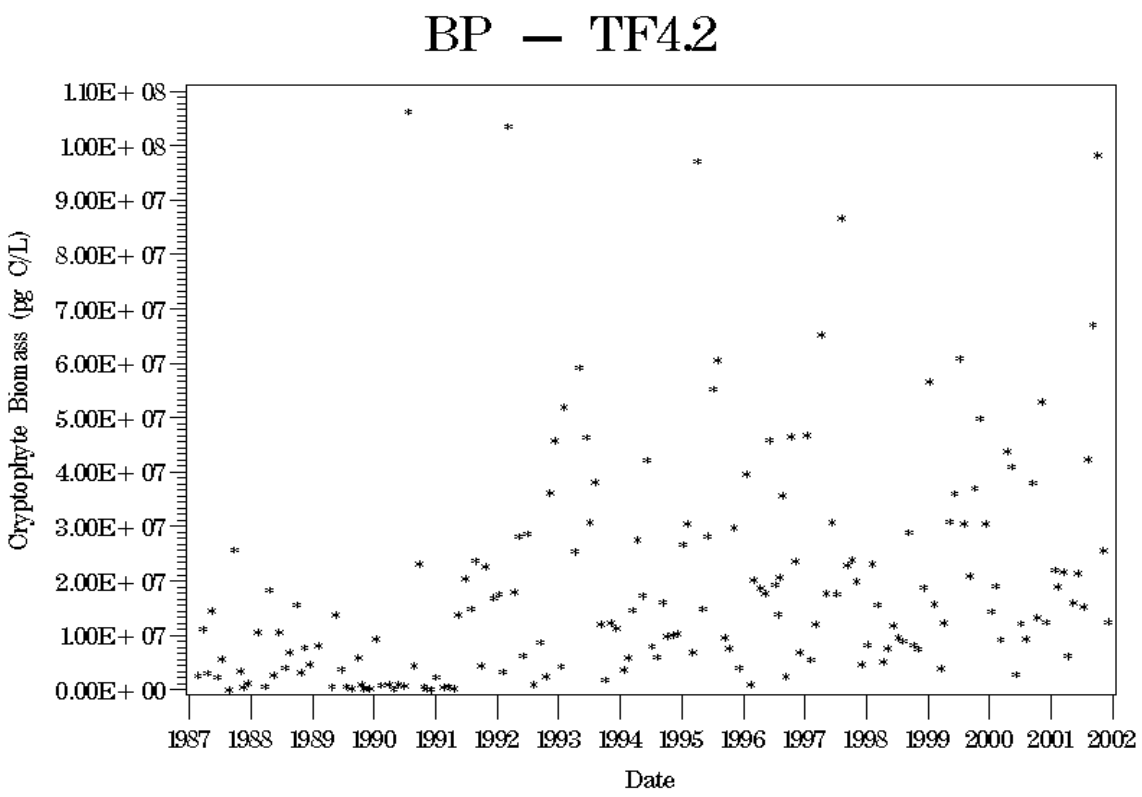

Figure F154. Plot of below pycnocline cryptophyte biomass at station TF4.2 for the period of 1987 through 2001.

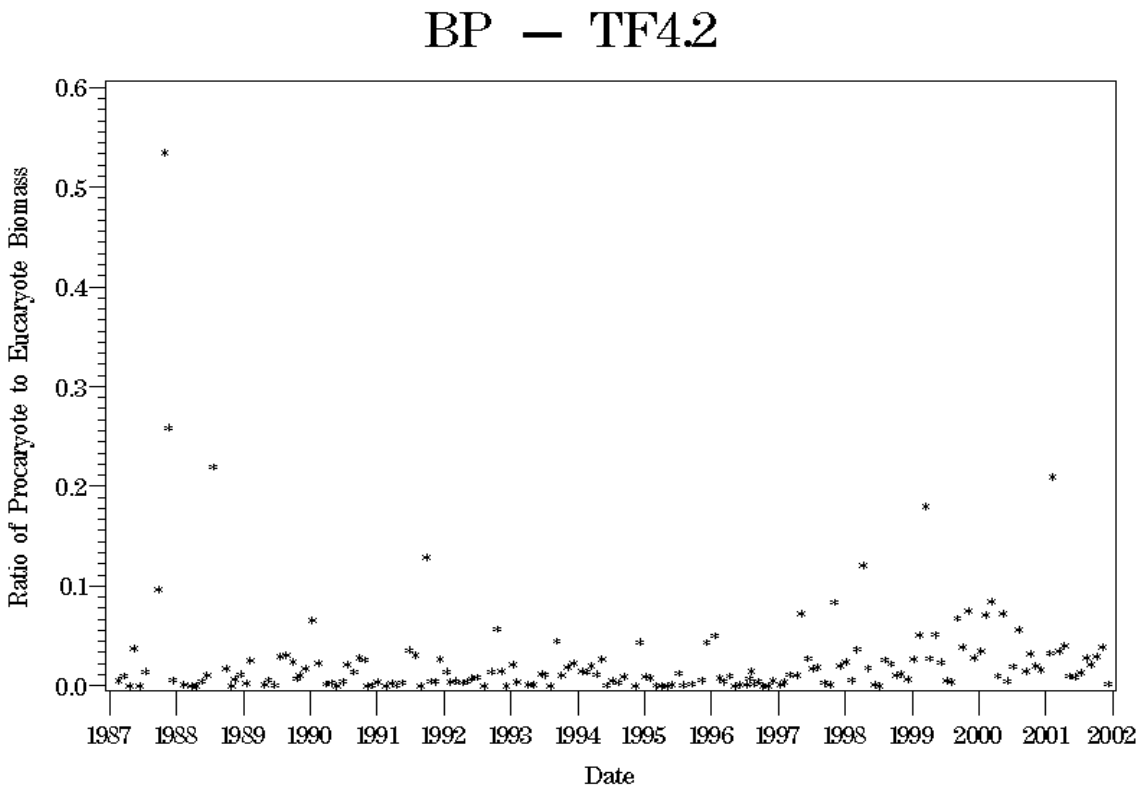

Figure F155. Plot of below pycnocline cyanophyte abundance at station TF4.2 for the period of 1987 through 2001.

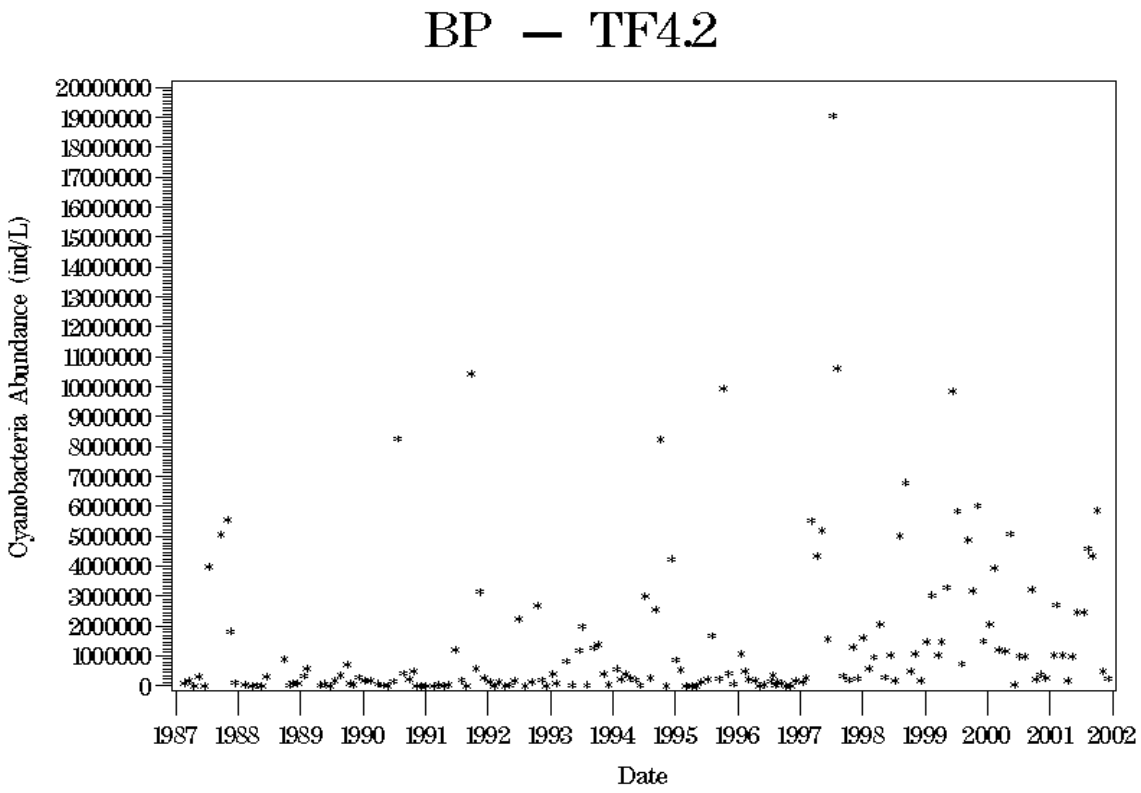

Figure F156. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station TF4.2 for the period of 1987 through 2001.

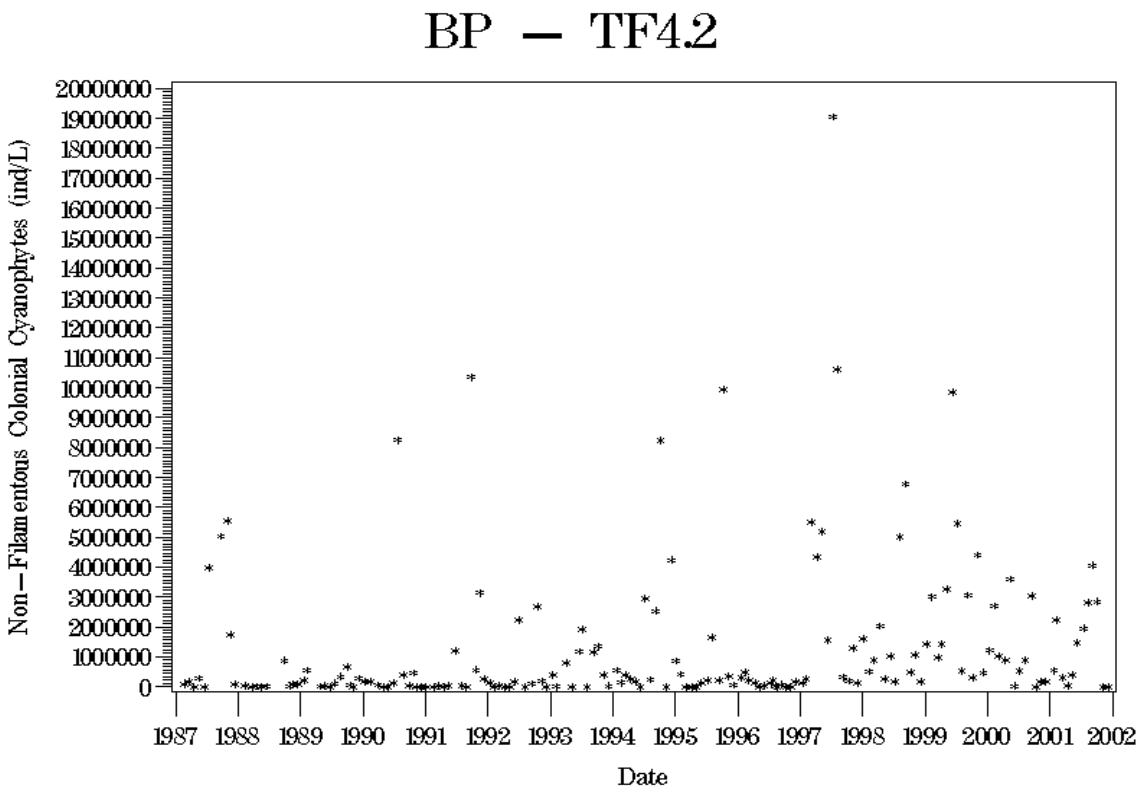

Figure F157. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station TF4.2 for the period of 1987 through 2001.

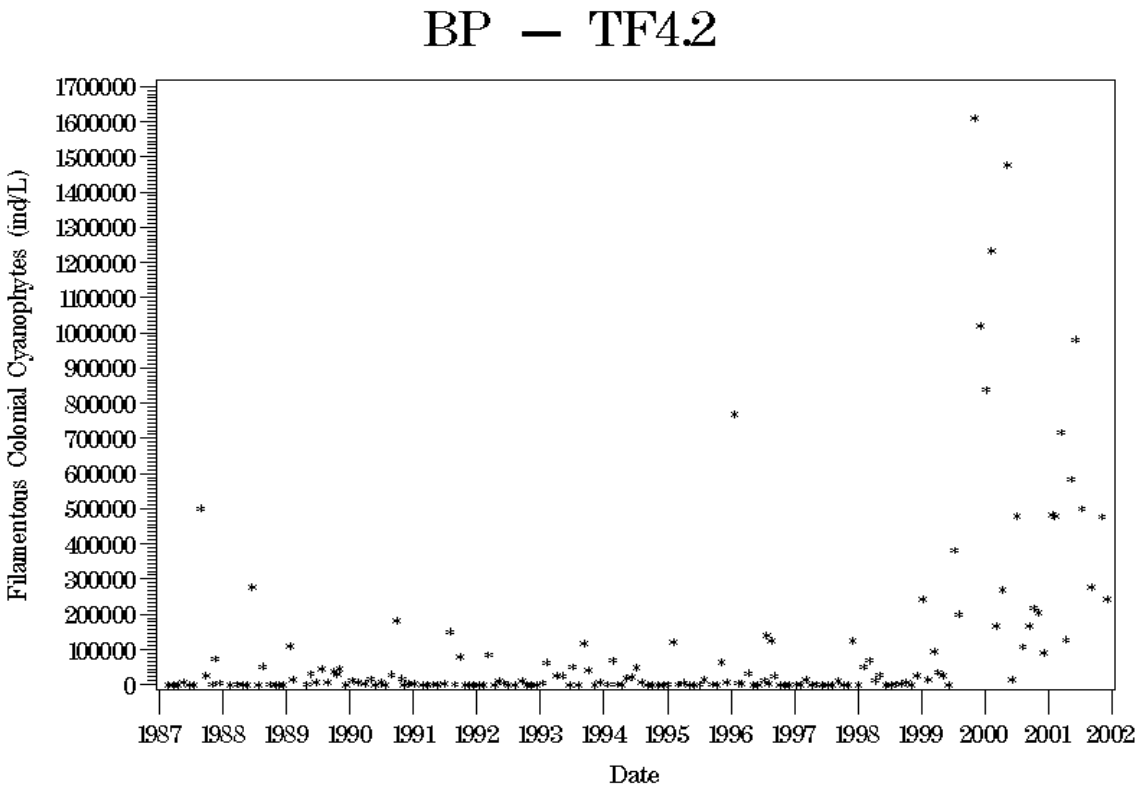

Figure F158. Plot of below pycnocline filamentous colonial cyanophyte abundance at station TF4.2 for the period of 1987 through 2001.

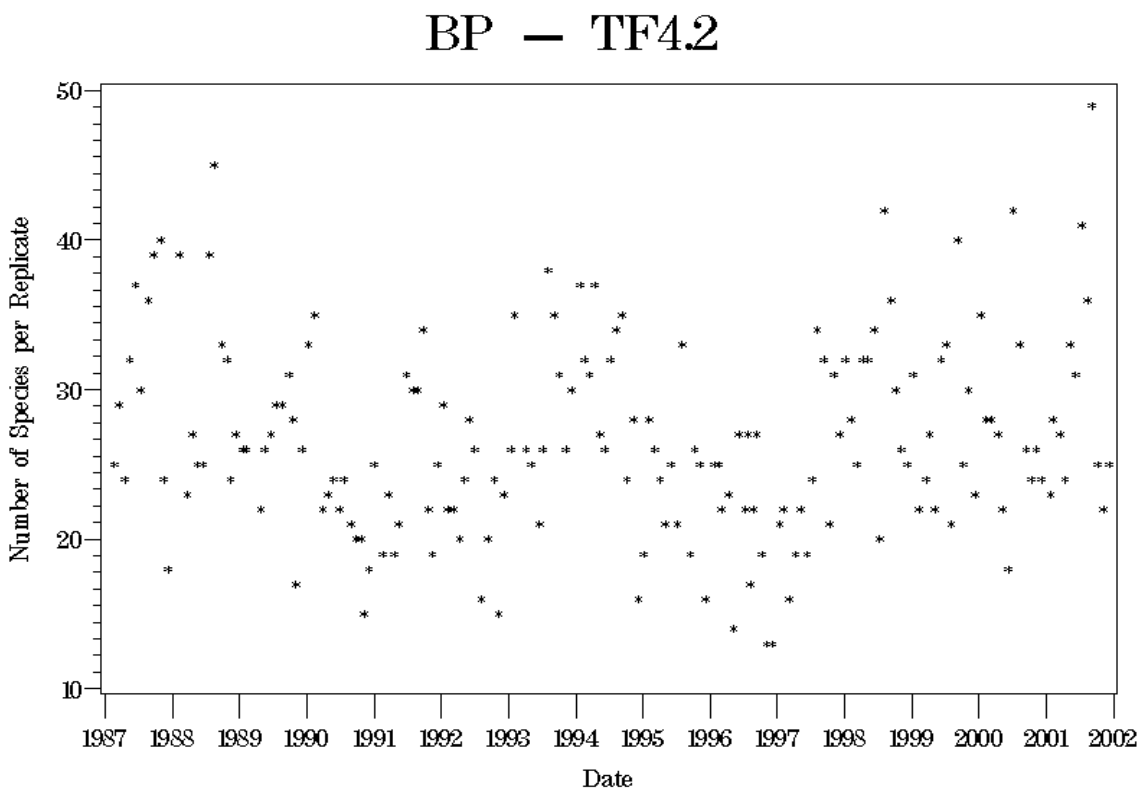

Figure F159. Plot of below pycnocline number of species per replicate at station TF4.2 for the period of 1987 through 2001.

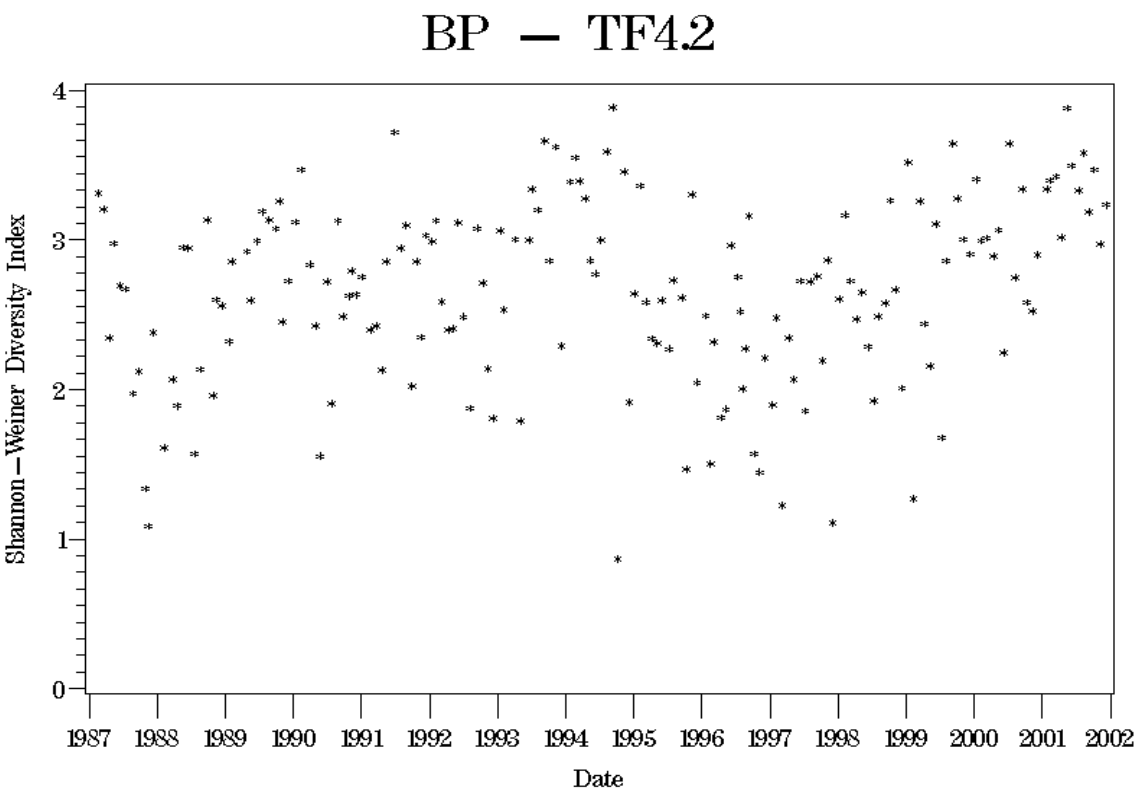

Figure F160. Plot of below pycnocline Shannon-Weiner diversity index at station TF4.2 for the period of 1987 through 2001.

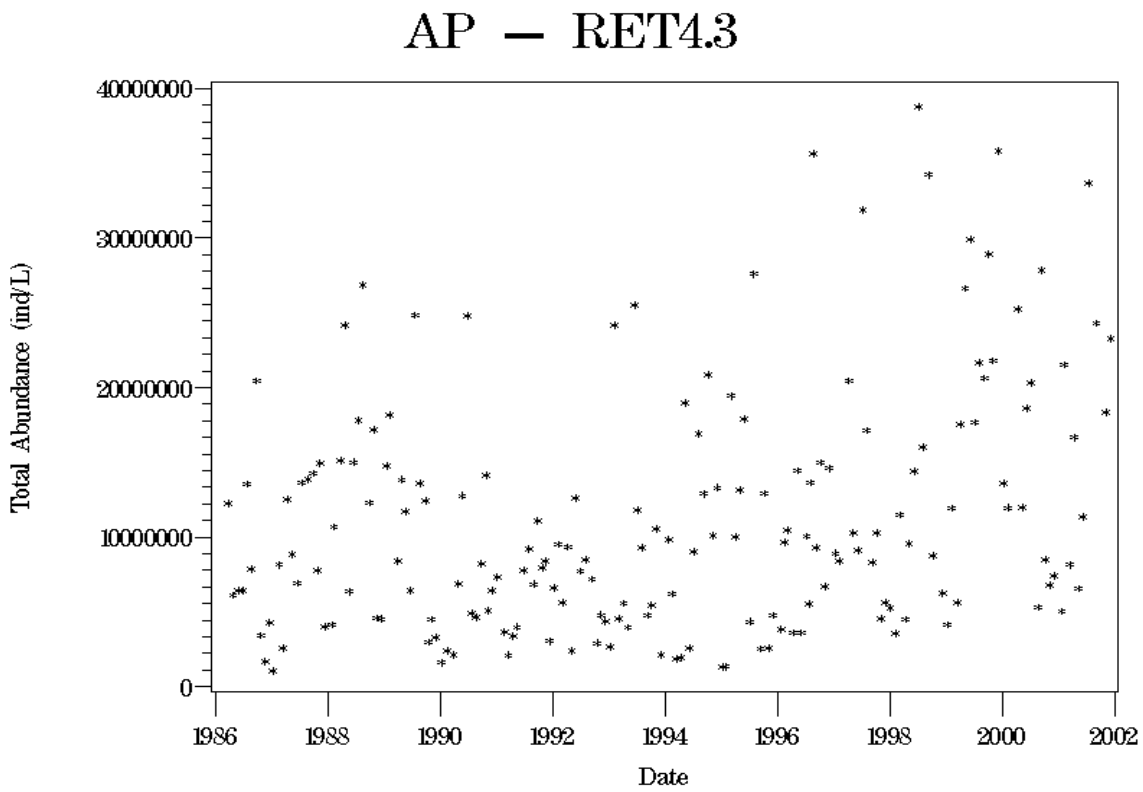

Figure F161. Plot of above pycnocline total phytoplankton abundance against time at station RET4.3 for the period of 1986 through 2001.

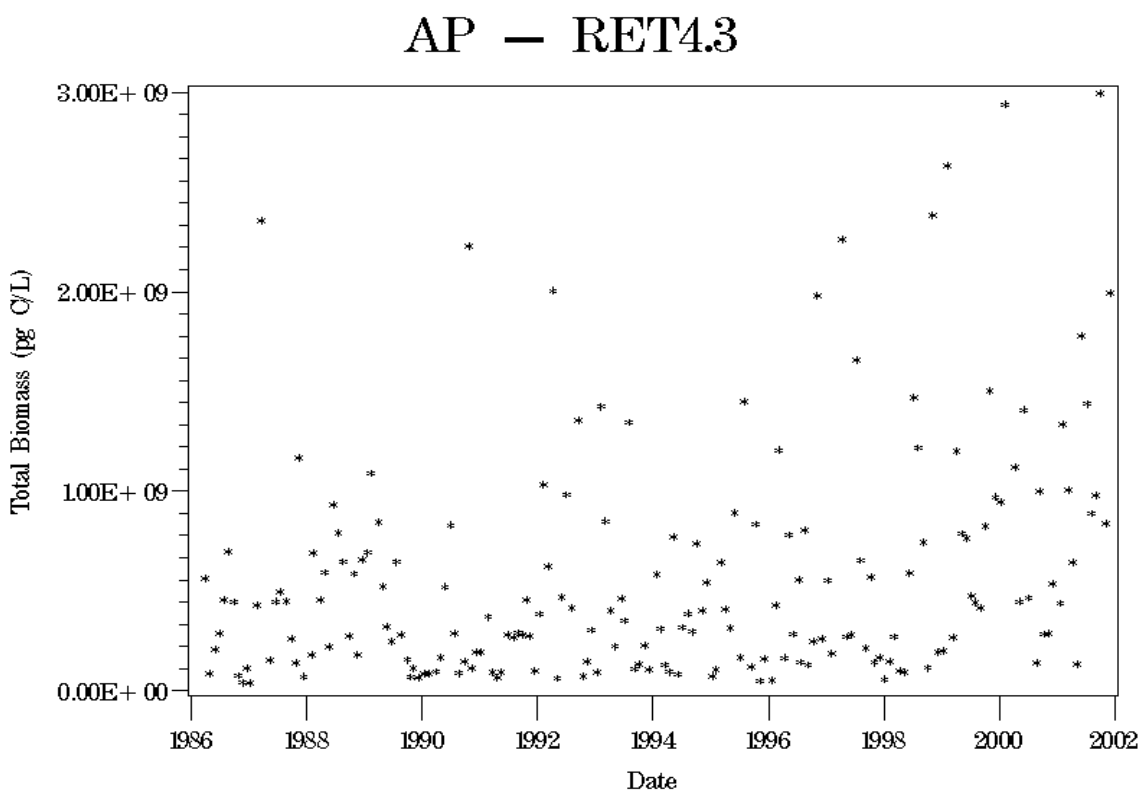

Figure F162. Plot of above pycnocline total phytoplankton biomass against time at station RET4.3 for the period of 1986 through 2001.

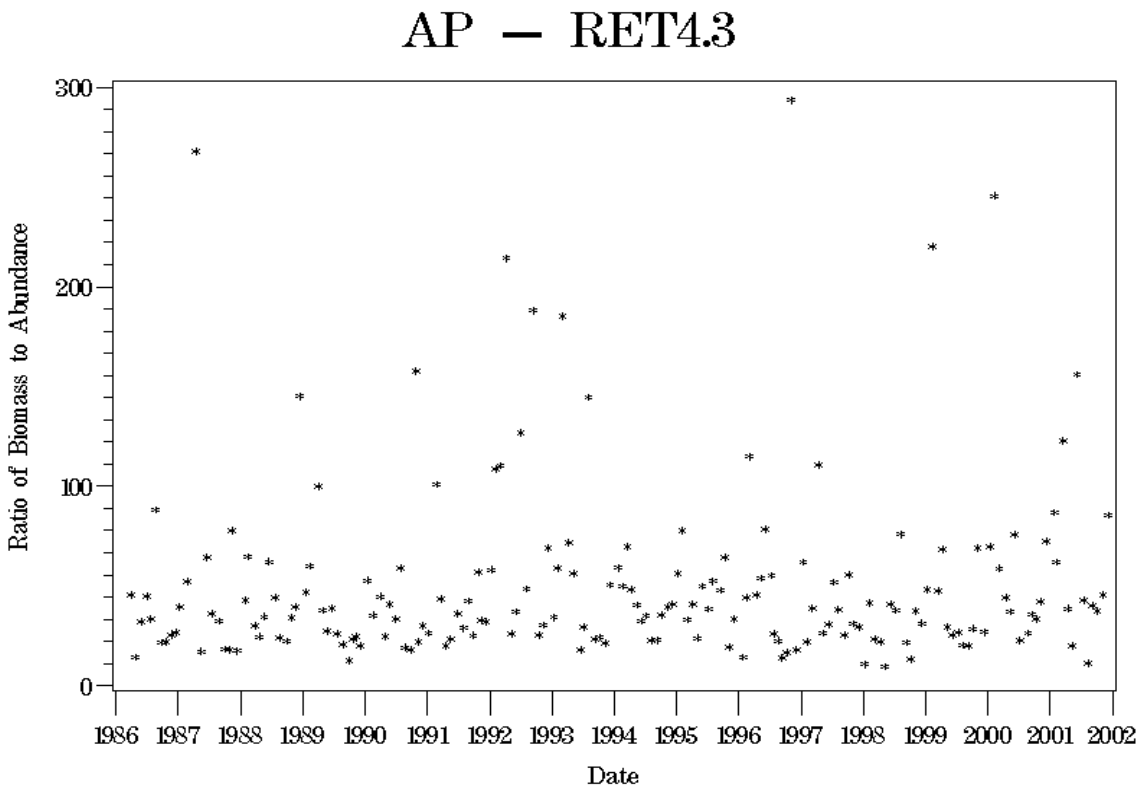

Figure F163. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station RET4.3 for the period of 1986 through 2001.

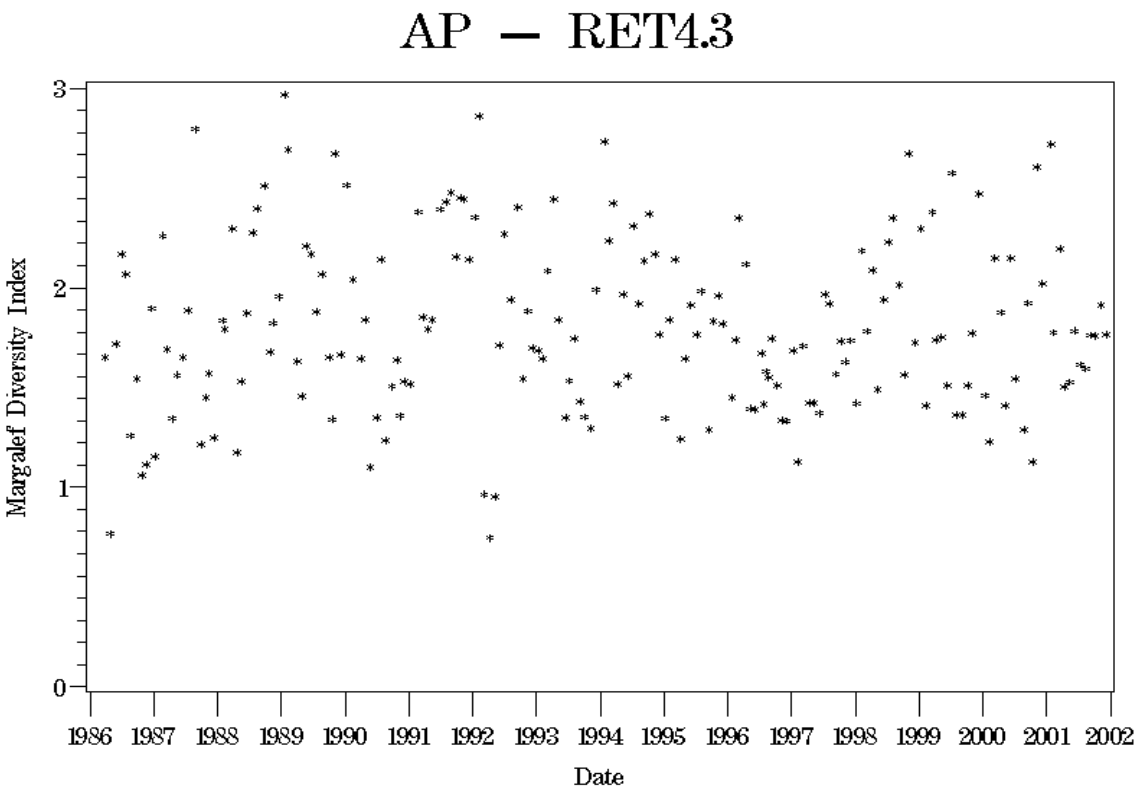

Figure F164. Plot of above pycnocline Margalef diversity index against time at station RET4.3 for the period of 1986 through 2001.

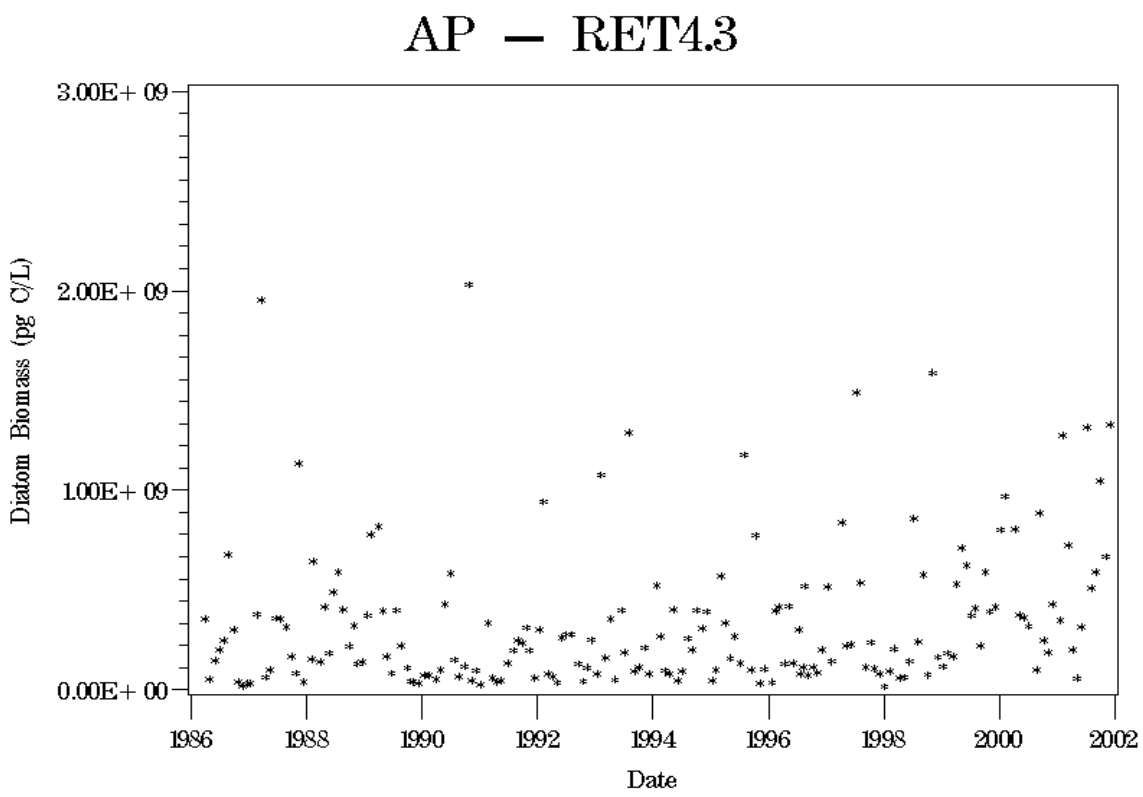

Figure F165. Plot of above pycnocline diatom biomass against time at station RET4.3 for the period of 1986 through 2001.

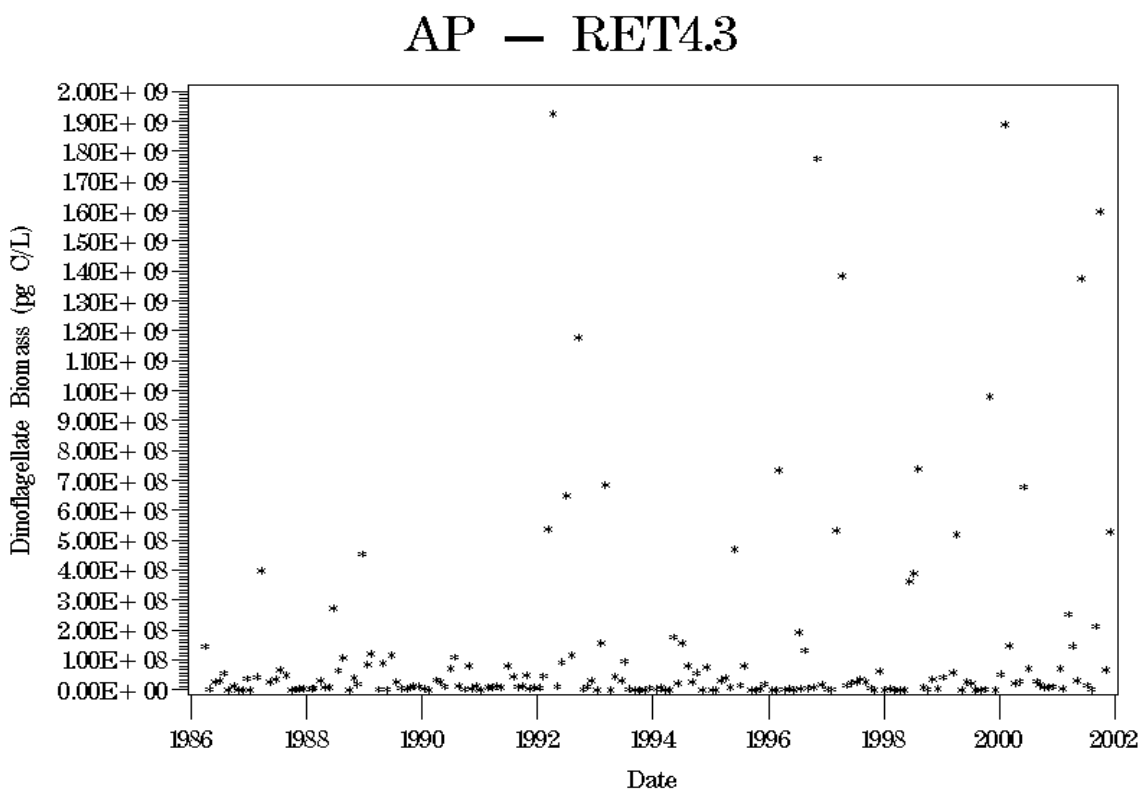

Figure F166. Plot of above pycnocline dinoflagellate biomass against time at station RET4.3 for the period of 1986 through 2001.

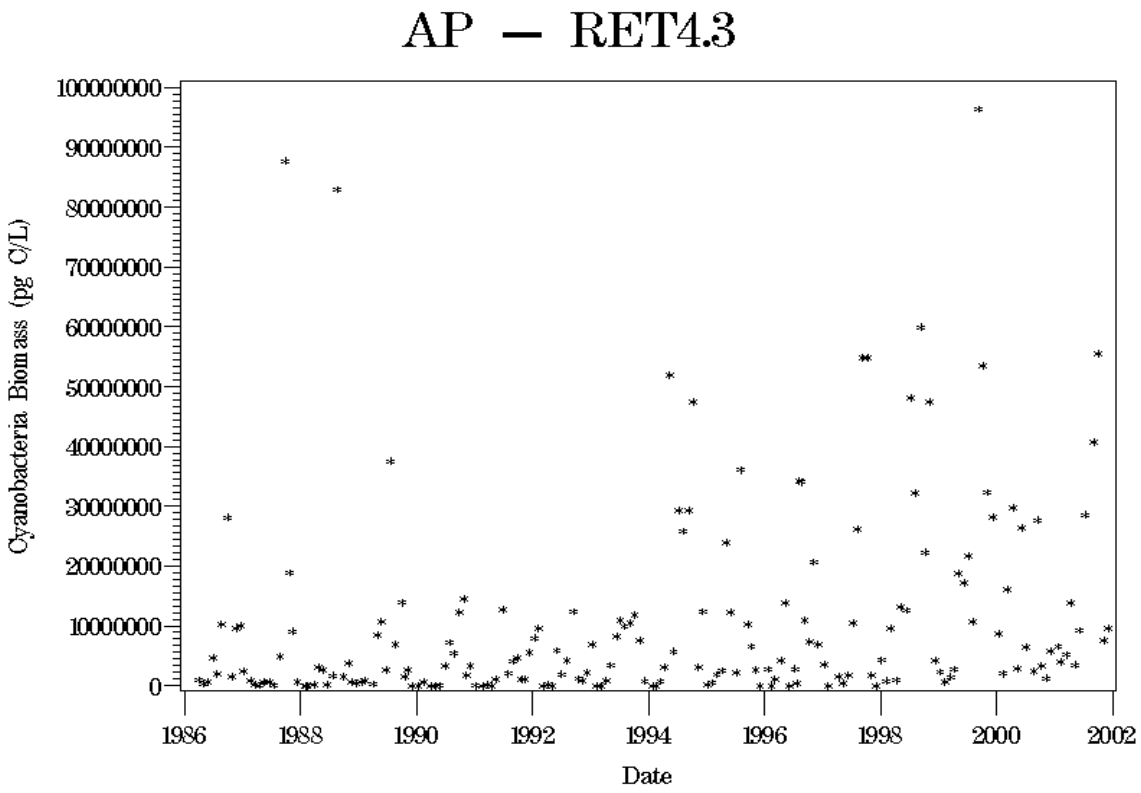

Figure F167. Plot of above pycnocline cyanobacteria biomass against time at station RET4.3 for the period of 1986 through 2001.

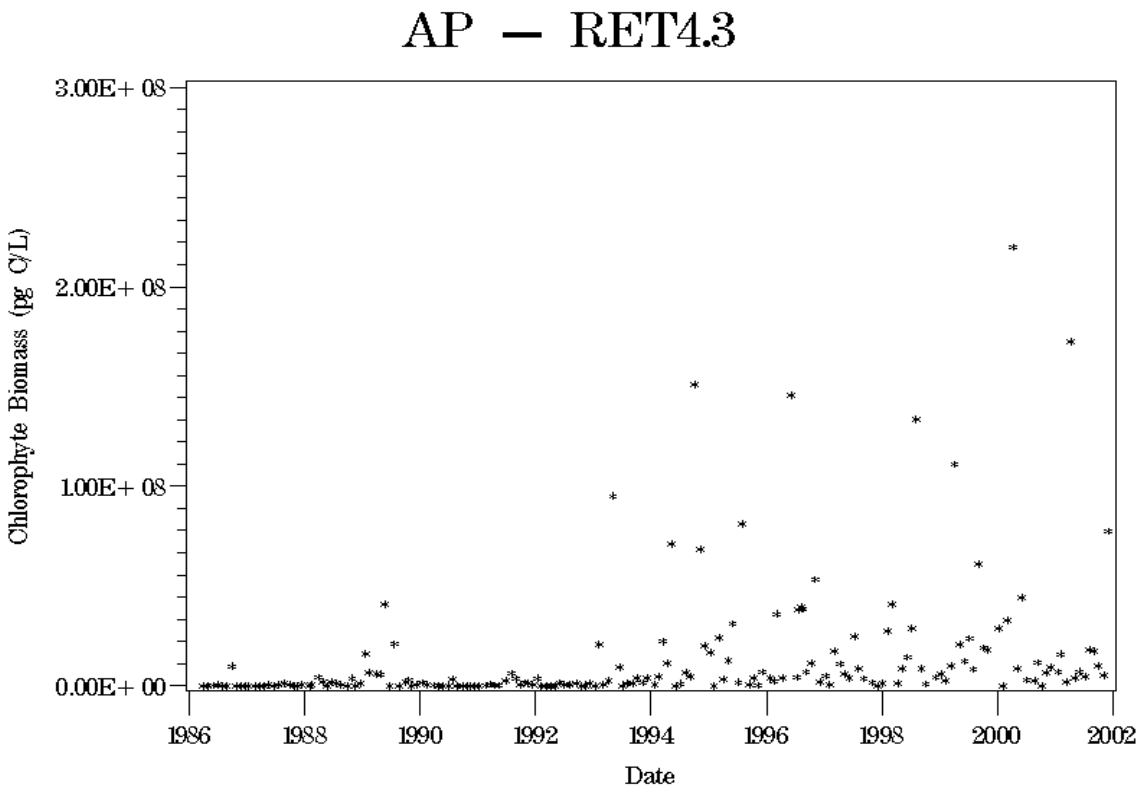

Figure F168. Plot of above pycnocline chlorophyte biomass against time at station RET4.3 for the period of 1986 through 2001.

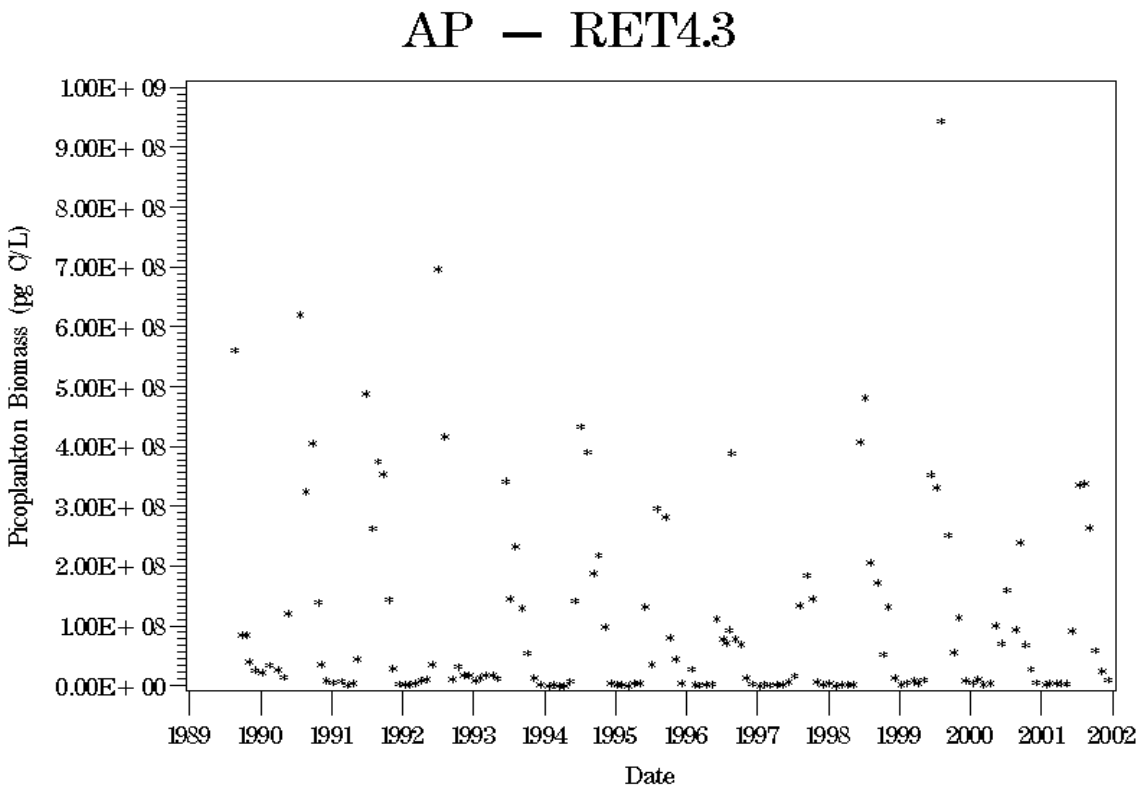

Figure F169. Plot of above pycnocline picoplankton biomass against time at station RET4.3 for the period of 1989 through 2001.

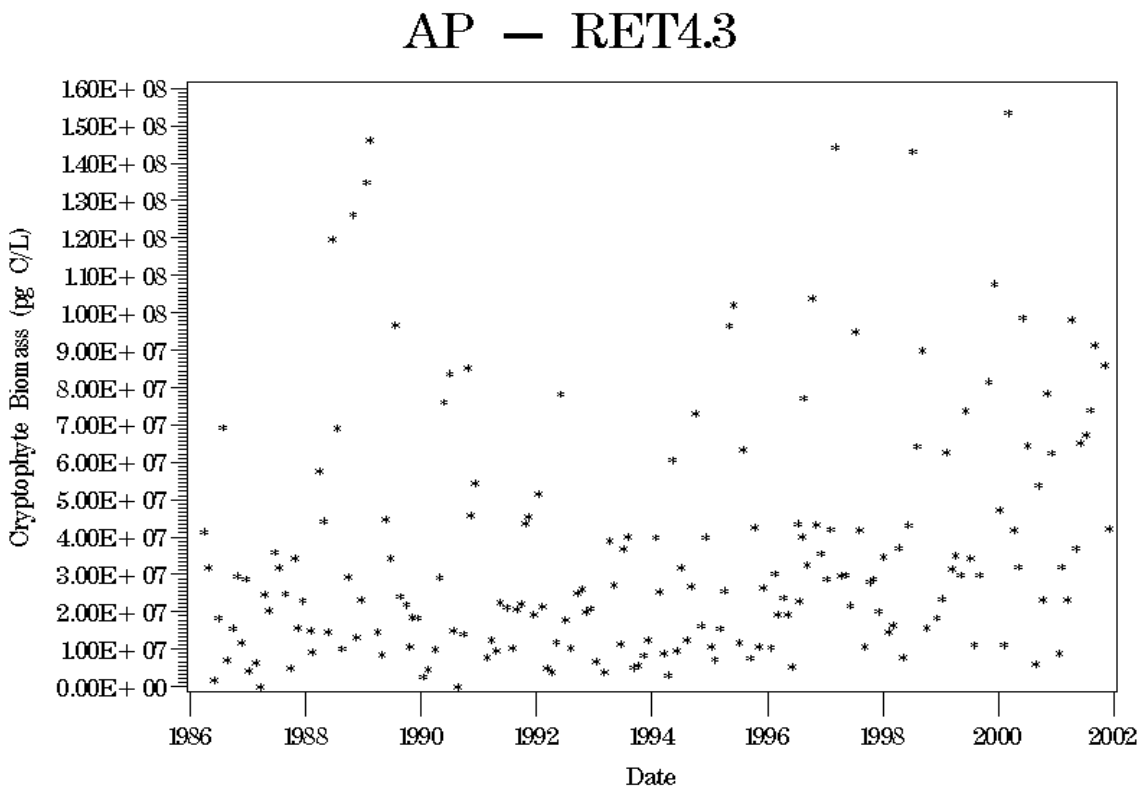

Figure F170. Plot of above pycnocline cryptophyte biomass at station RET4.3 for the period of 1986 through 2001.

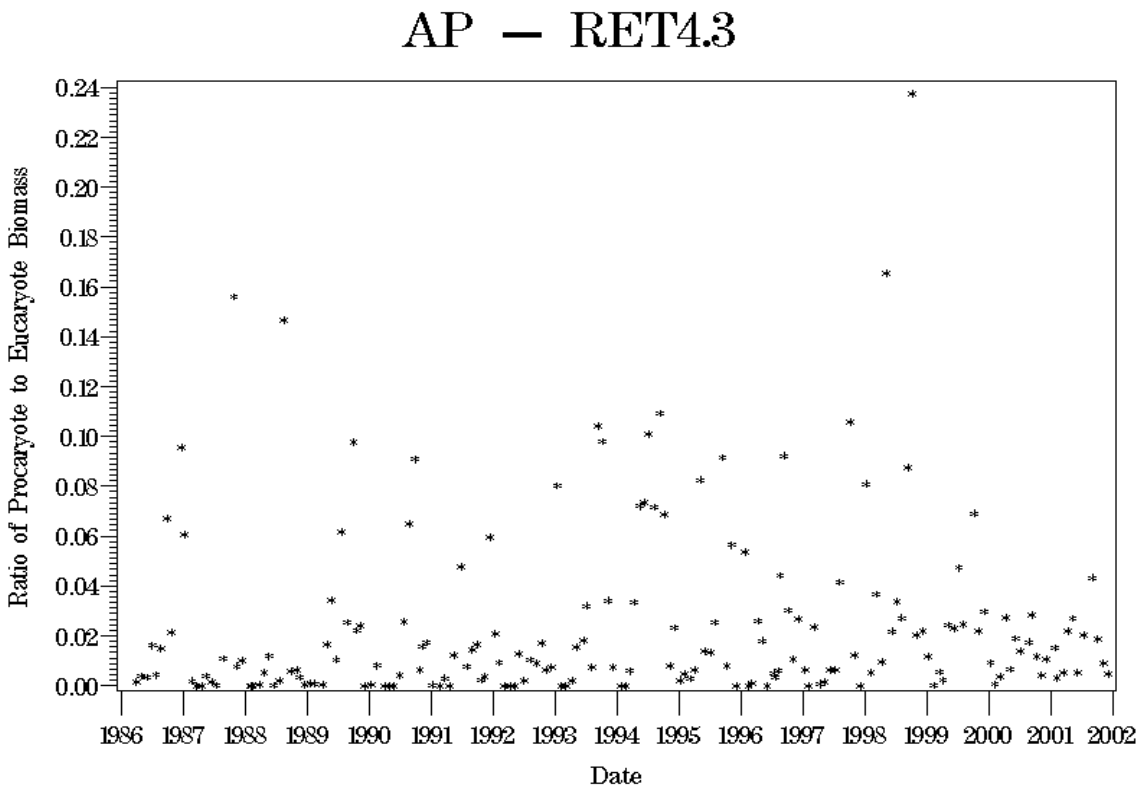

Figure F171. Plot of above pycnocline cyanophyte abundance at station RET4.3 for the period of 1986 through 2001.

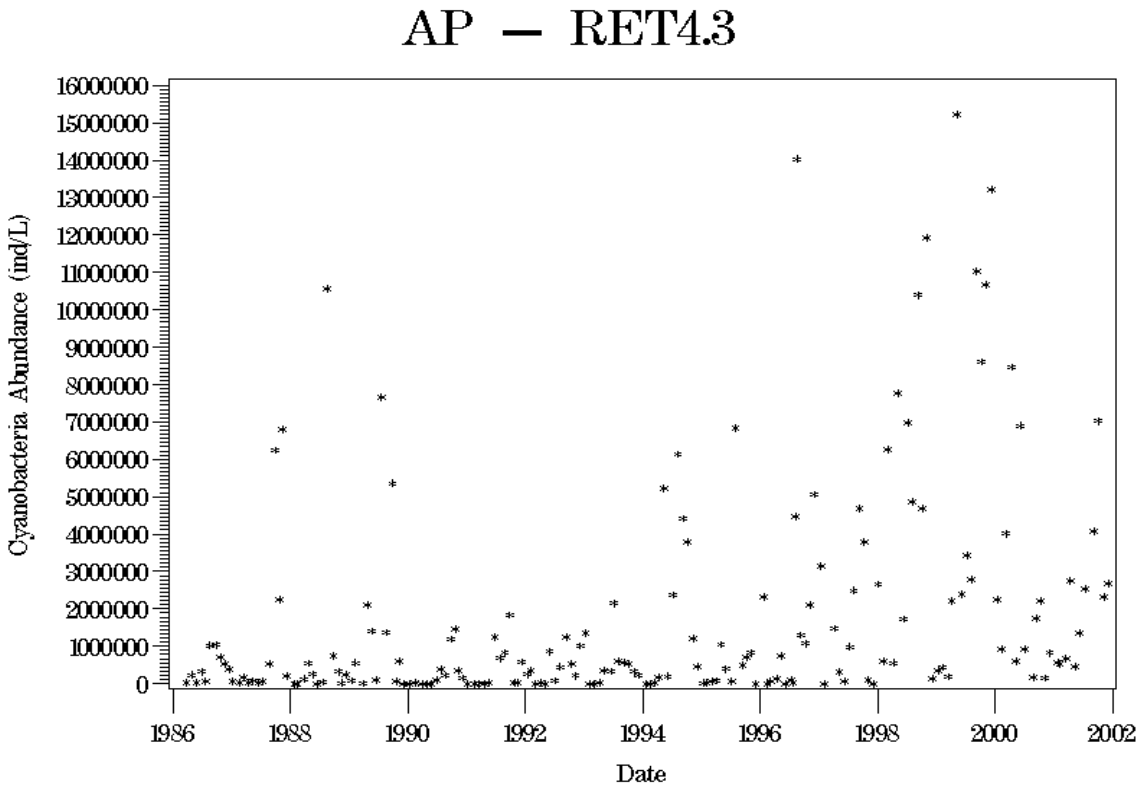

Figure F172. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station RET4.3 for the period of 1986 through 2001.

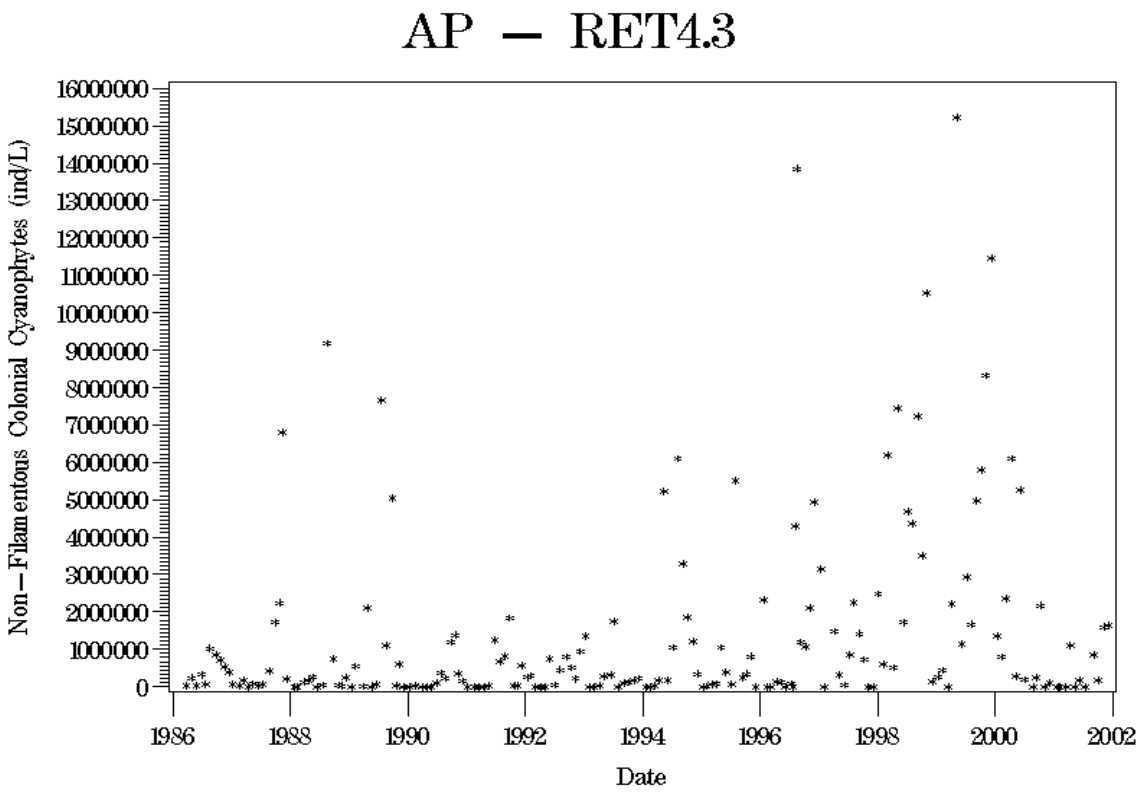

Figure F173. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station RET4.3 for the period of 1986 through 2001.

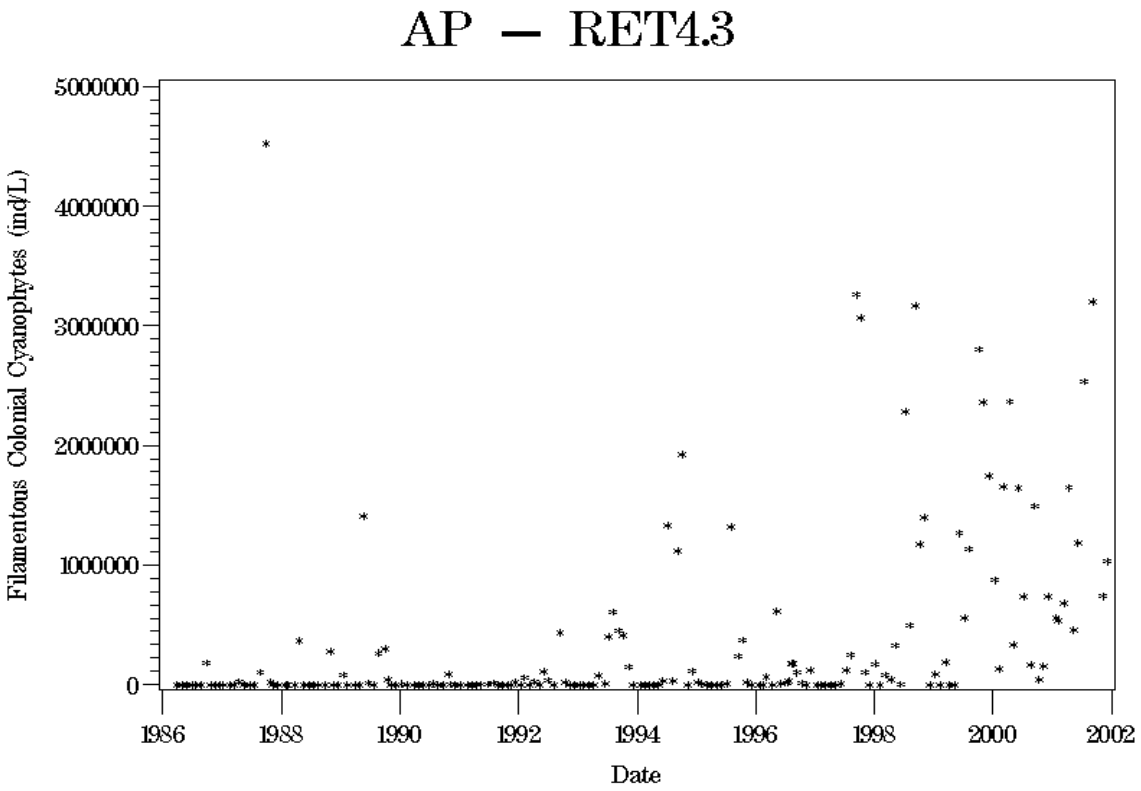

Figure F174. Plot of above pycnocline filamentous colonial cyanophyte abundance at station RET4.3 for the period of 1986 through 2001.

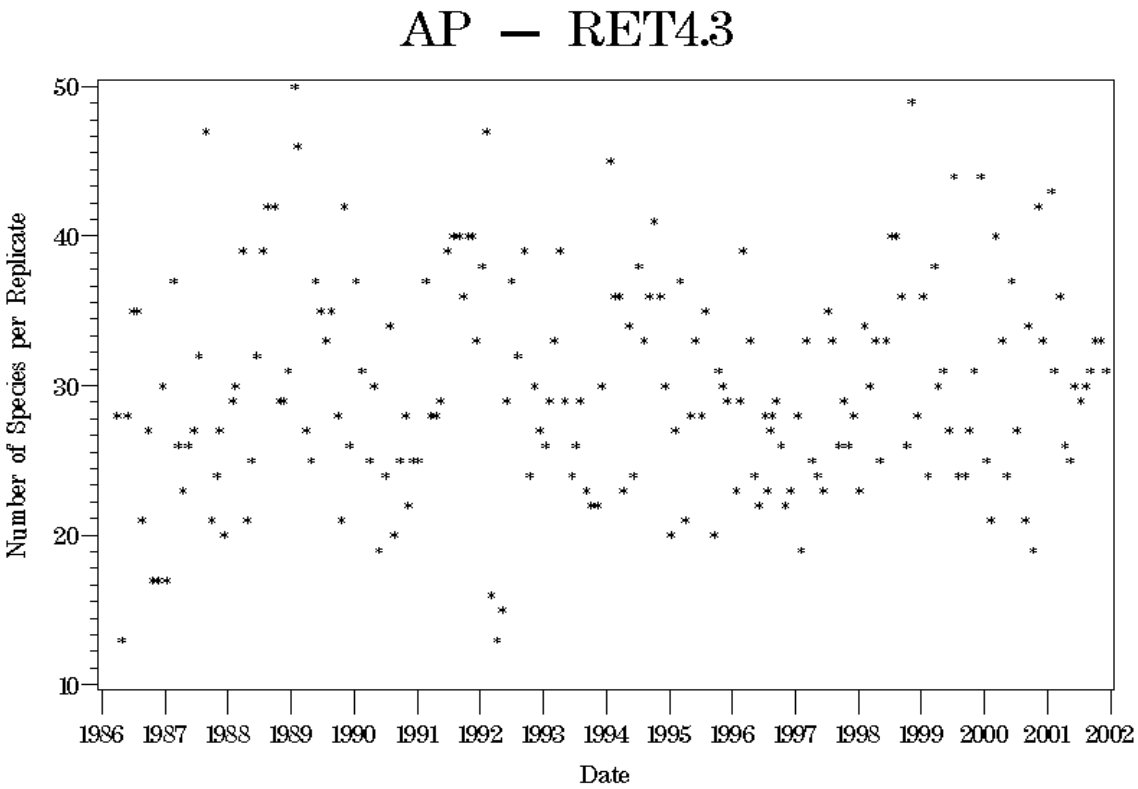

Figure F175. Plot of above pycnocline number of species per replicate at station RET4.3 for the period of 1986 through 2001.

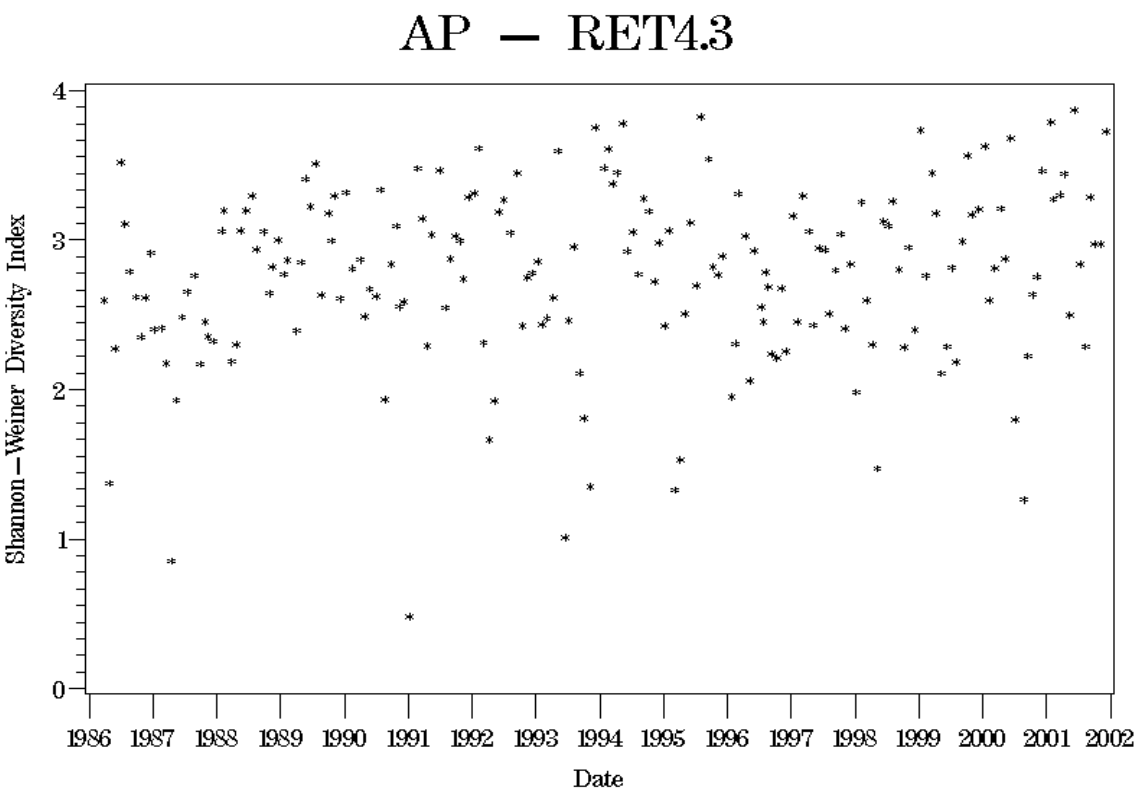

Figure F176. Plot of above pycnocline Shannon-Weiner diversity index at station RET4.3 for the period of 1986 through 2001.

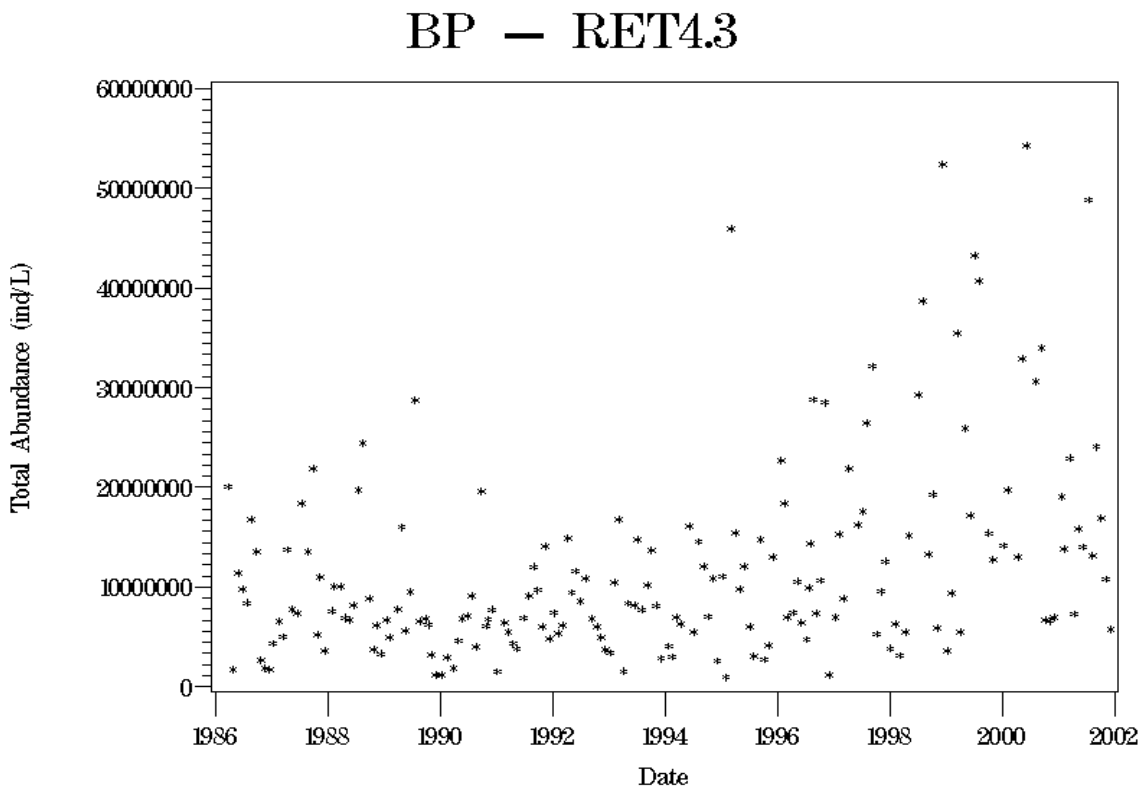

Figure F177. Plot of above pycnocline total phytoplankton abundance against time at station RET4.3 for the period of 1986 through 2001.

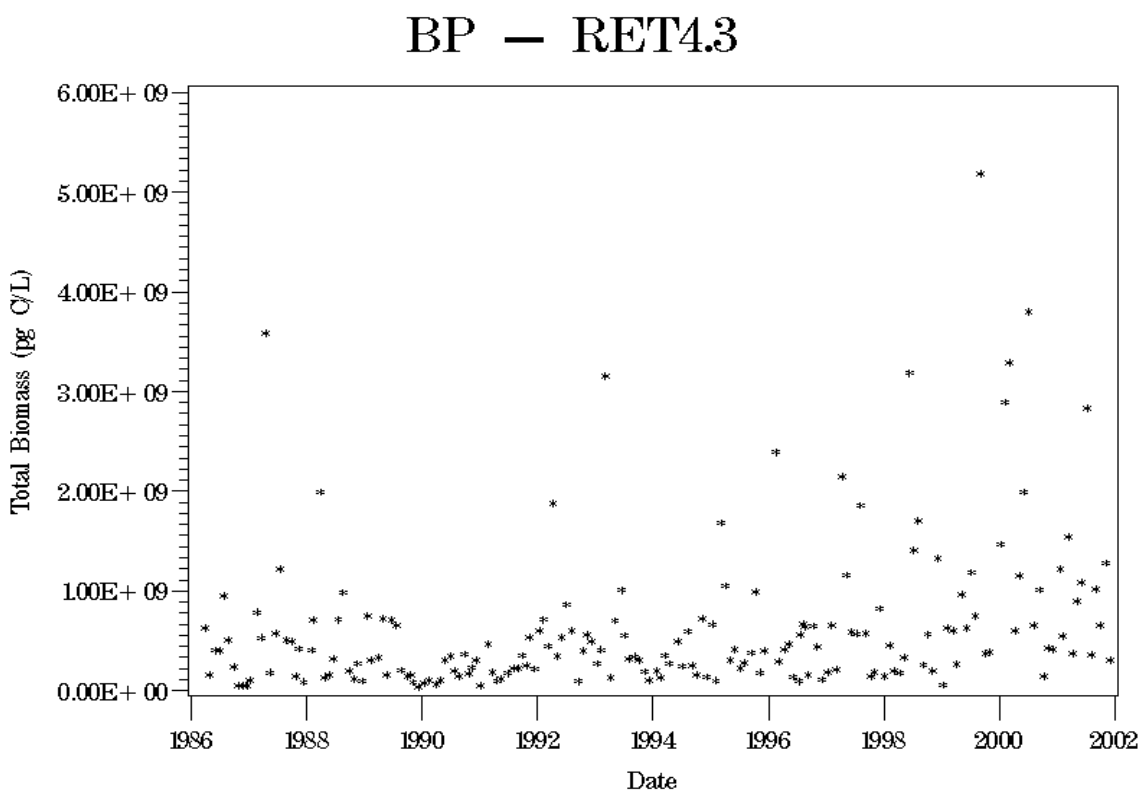

Figure F178. Plot of above pycnocline total phytoplankton biomass against time at station RET4.3 for the period of 1986 through 2001.

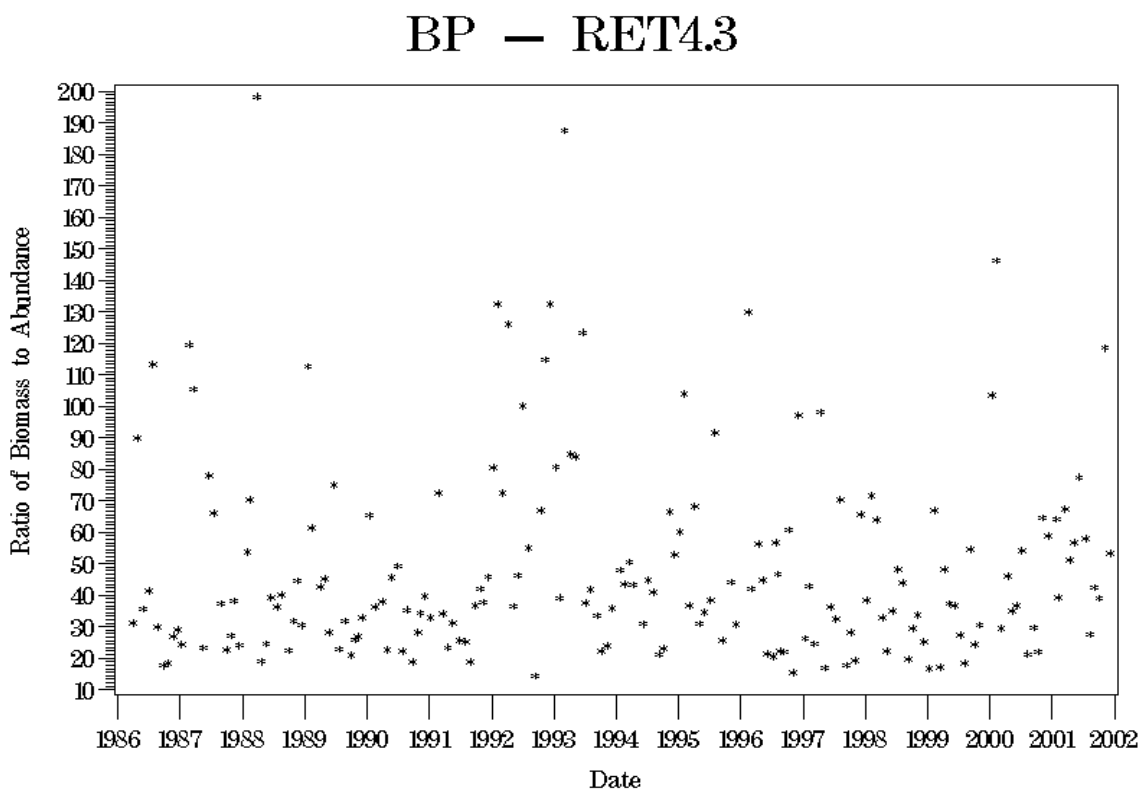

Figure F179. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station RET4.3 for the period of 1986 through 2001.

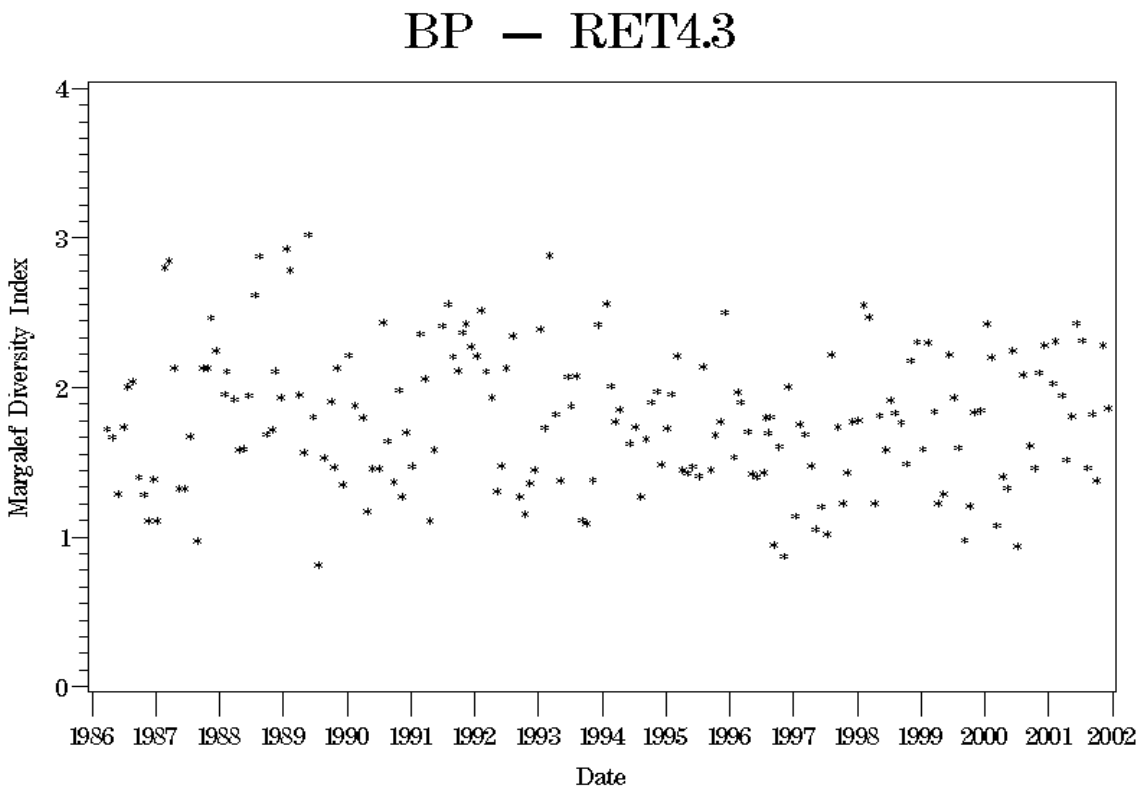

Figure F180. Plot of above pycnocline Margalef diversity index against time at station RET4.3 for the period of 1986 through 2001.

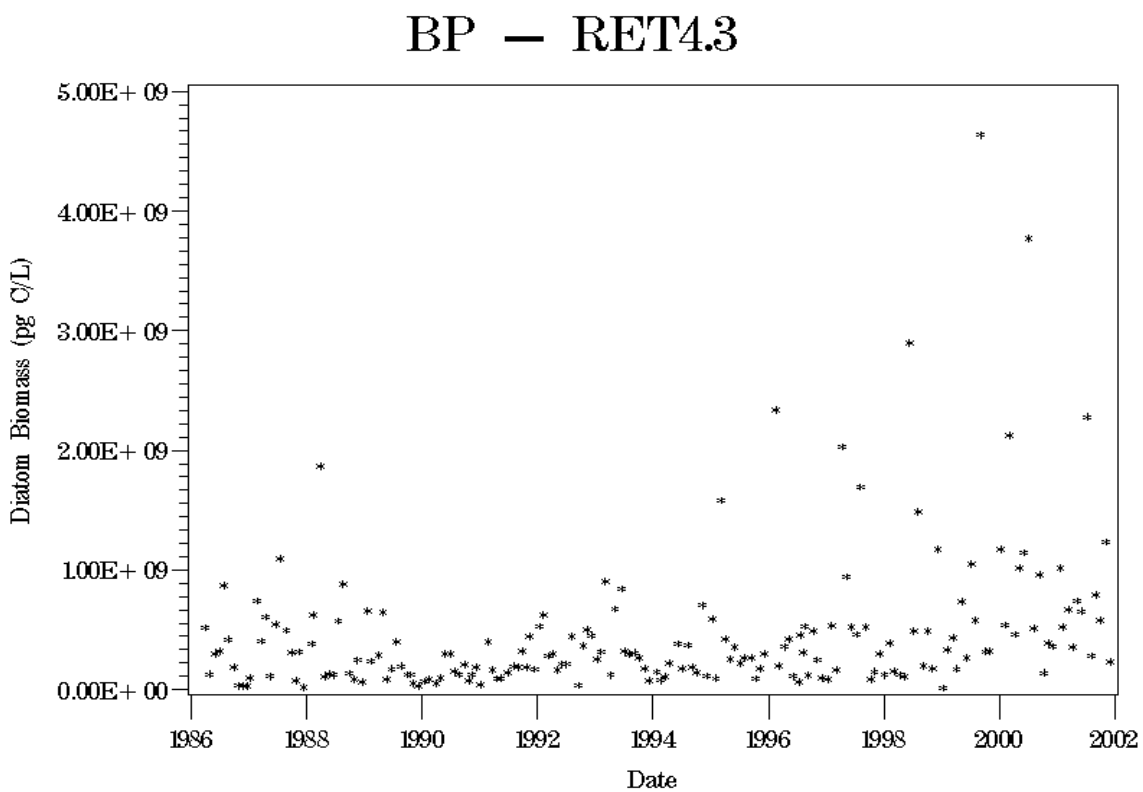

Figure F181. Plot of above pycnocline diatom biomass against time at station RET4.3 for the period of 1986 through 2001.

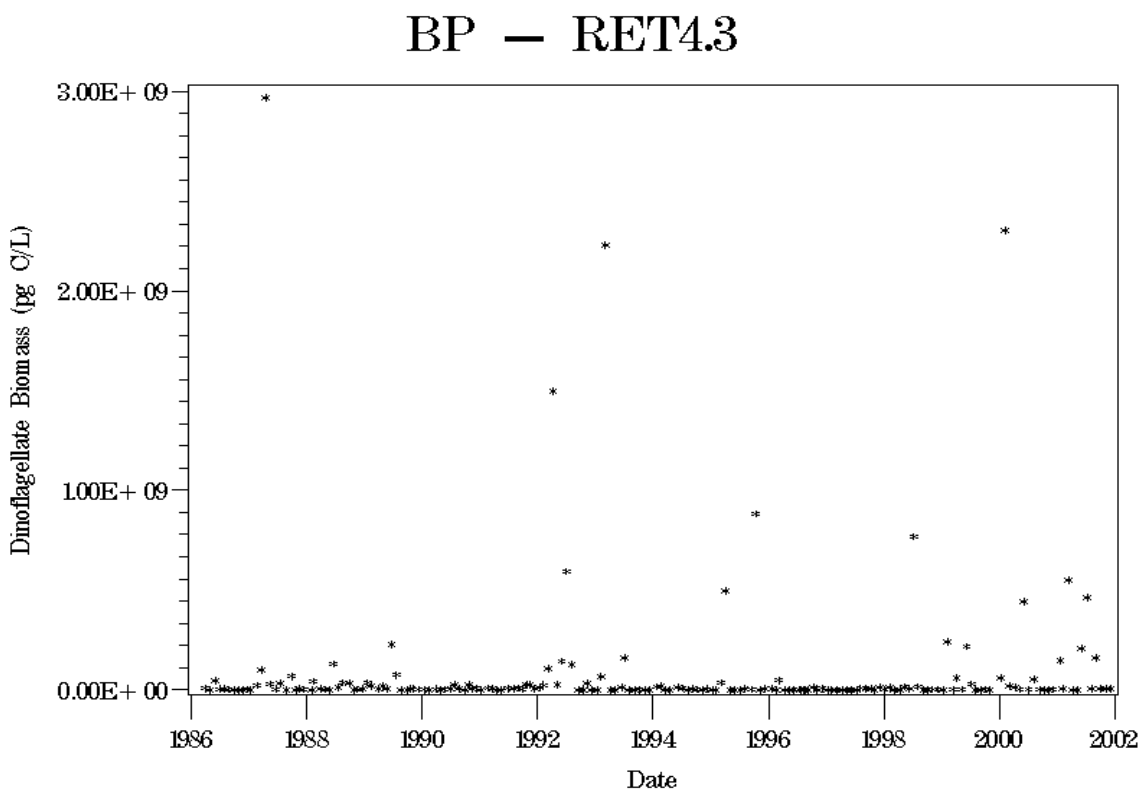

Figure F182. Plot of above pycnocline dinoflagellate biomass against time at station RET4.3 for the period of 1986 through 2001.

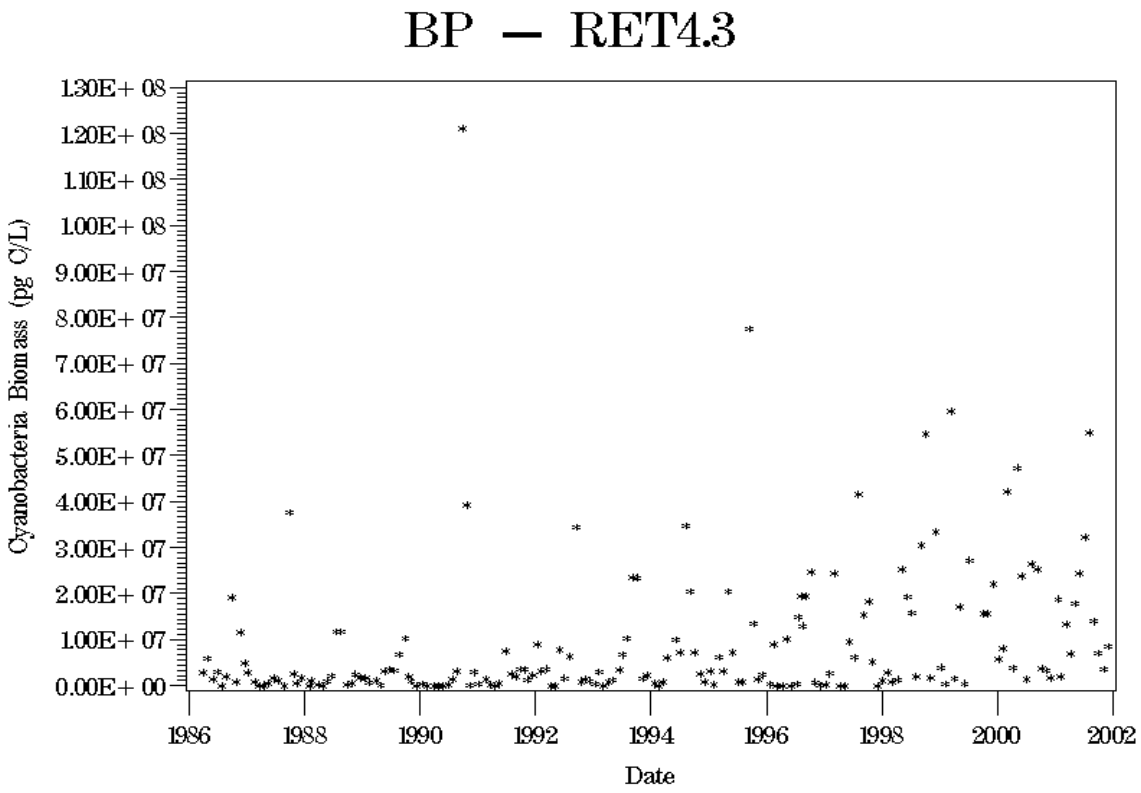

Figure F183. Plot of above pycnocline cyanobacteria biomass against time at station RET4.3 for the period of 1986 through 2001.

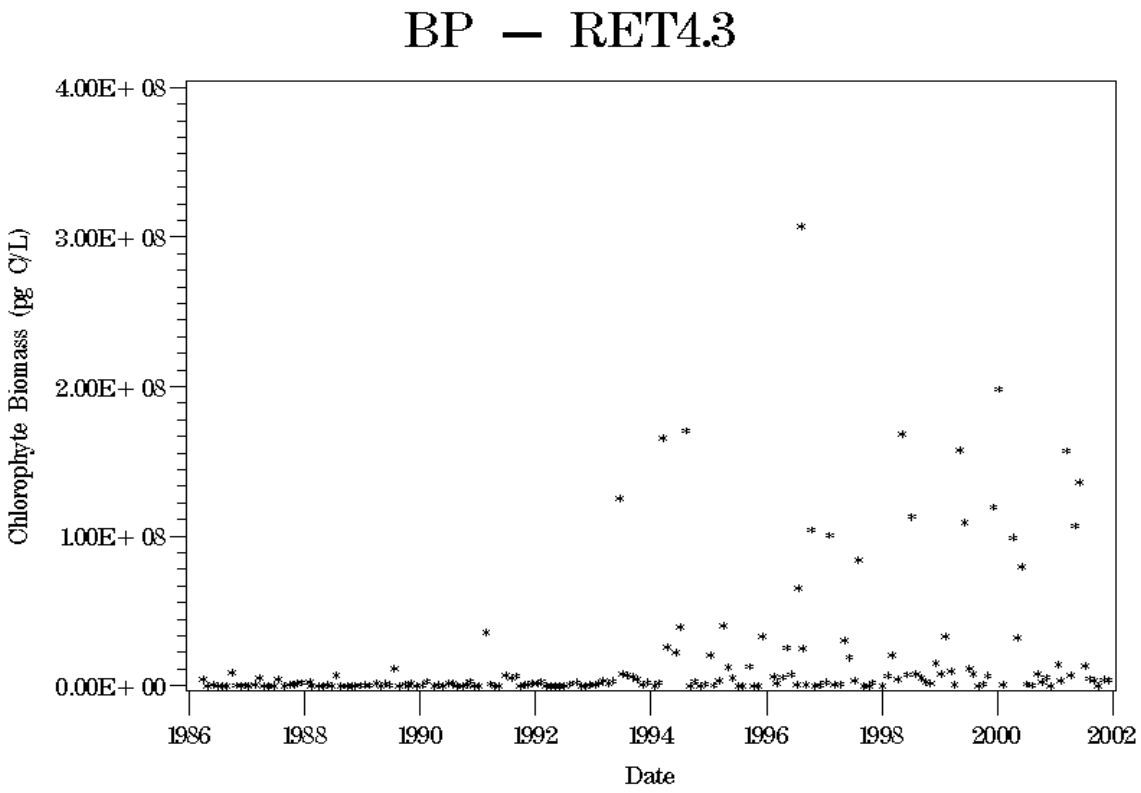

Figure F184. Plot of above pycnocline chlorophyte biomass against time at station RET4.3 for the period of 1986 through 2001.

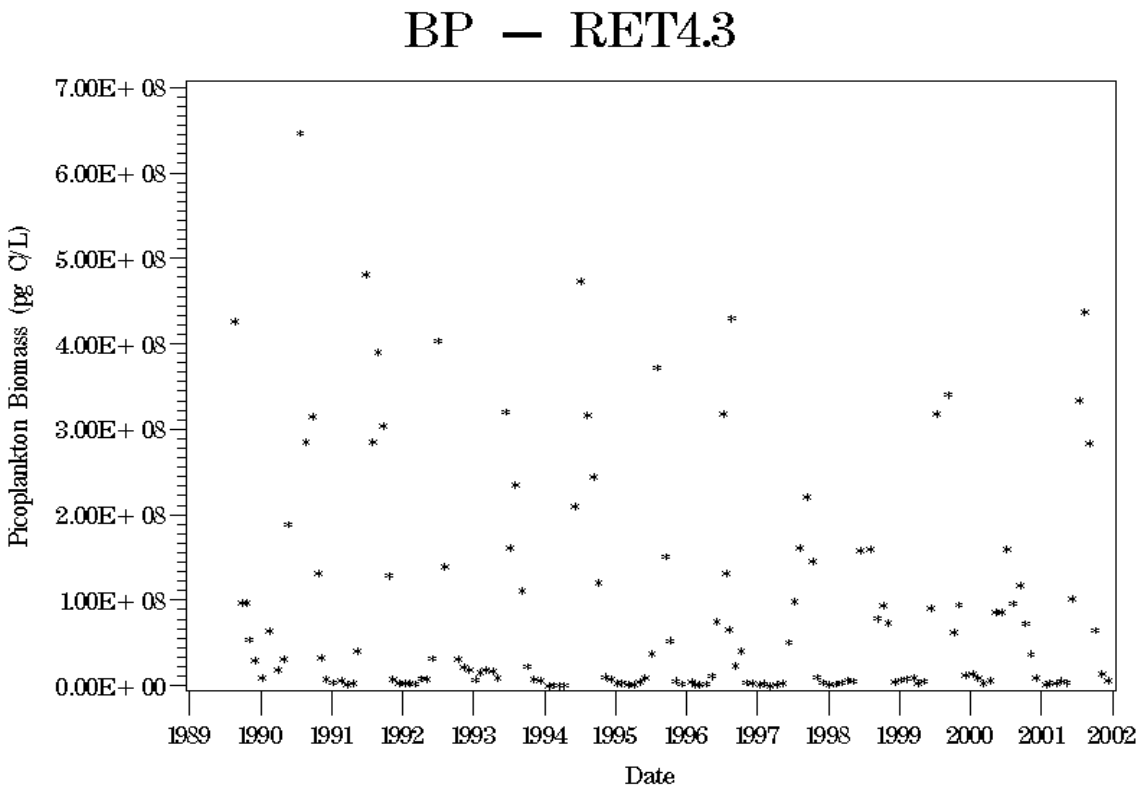

Figure F185. Plot of above pycnocline picoplankton biomass against time at station RET4.3 for the period of 1989 through 2001.

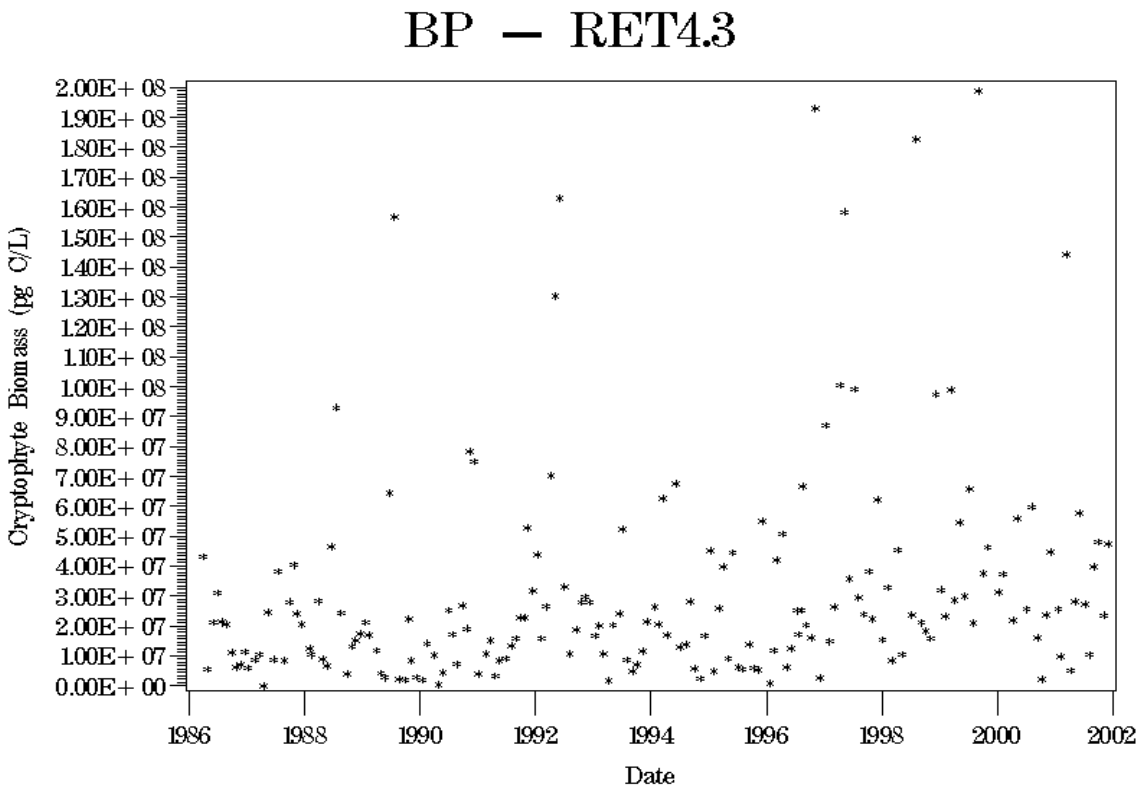

Figure F186. Plot of above pycnocline cryptophyte biomass at station RET4.3 for the period of 1986 through 2001.

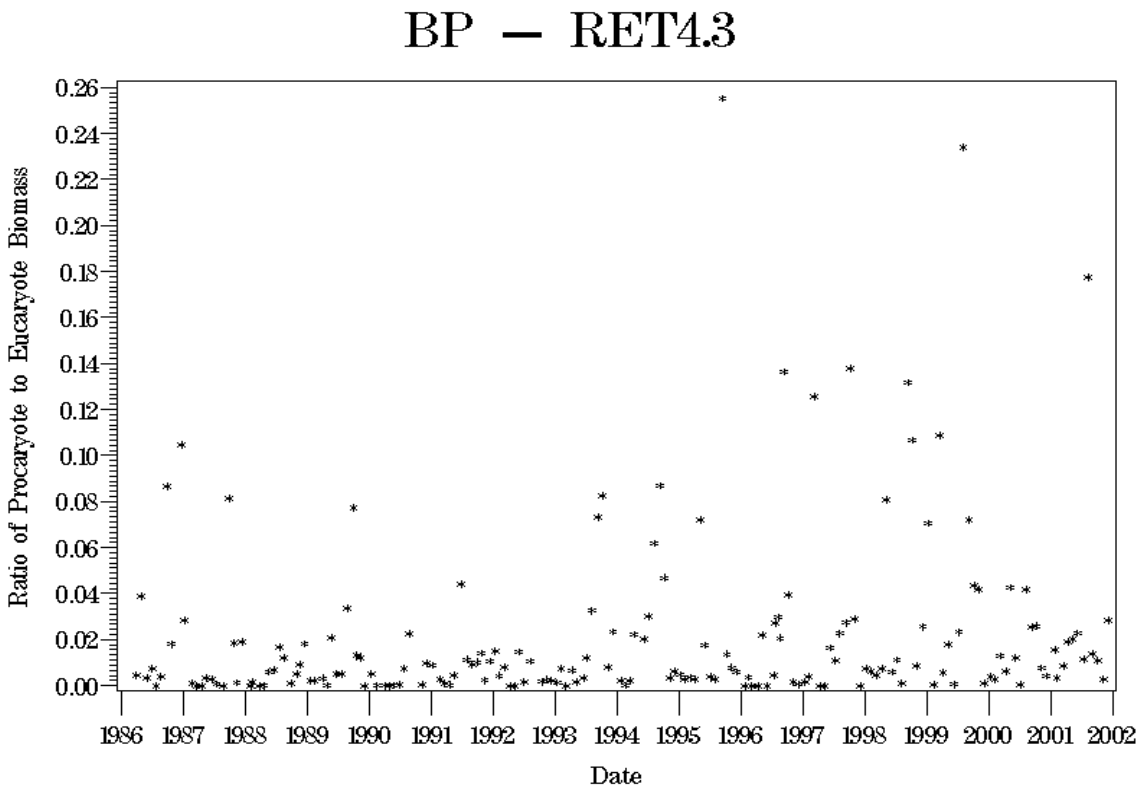

Figure F187. Plot of above pycnocline cyanophyte abundance at station RET4.3 for the period of 1986 through 2001.

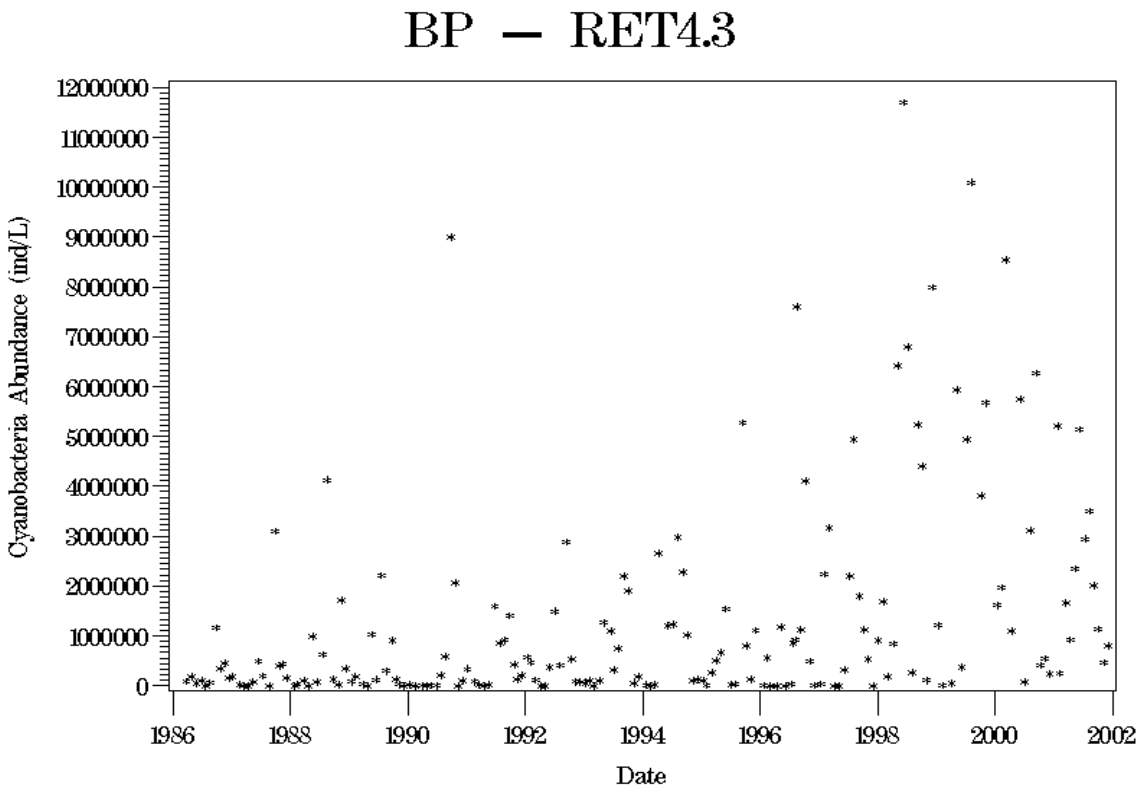

Figure F188. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station RET4.3 for the period of 1986 through 2001.

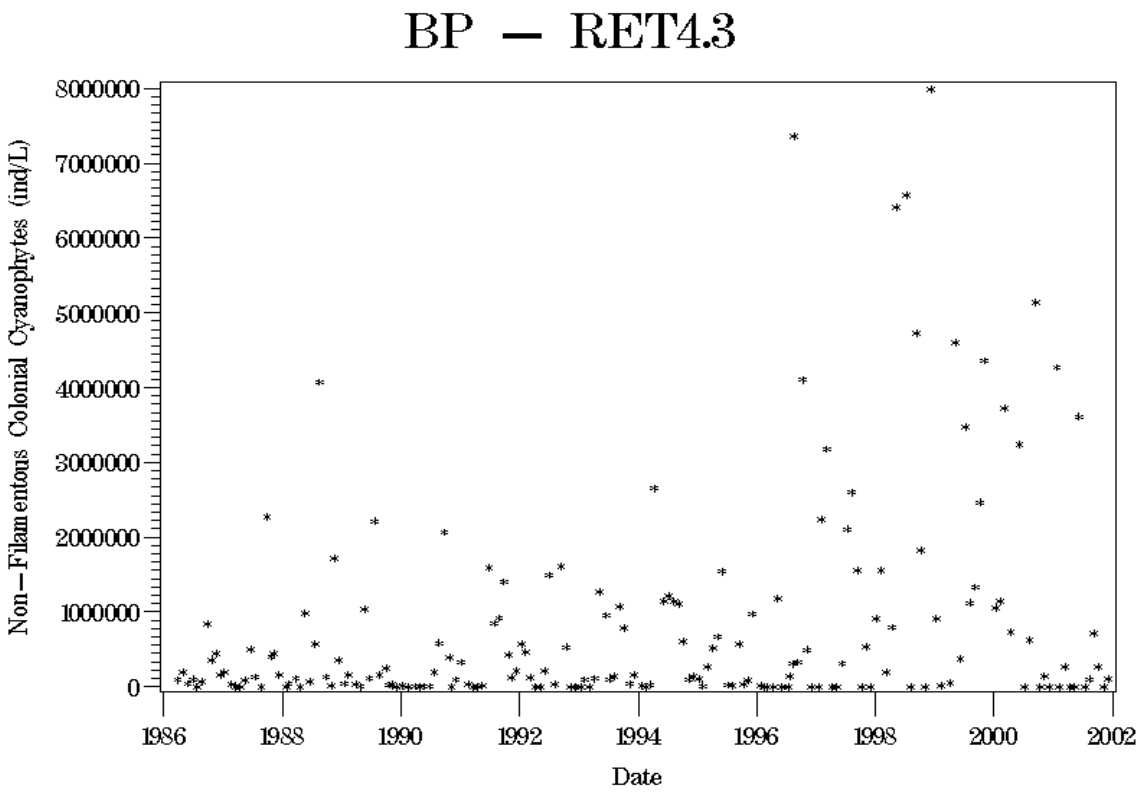

Figure F189. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station RET4.3 for the period of 1986 through 2001.

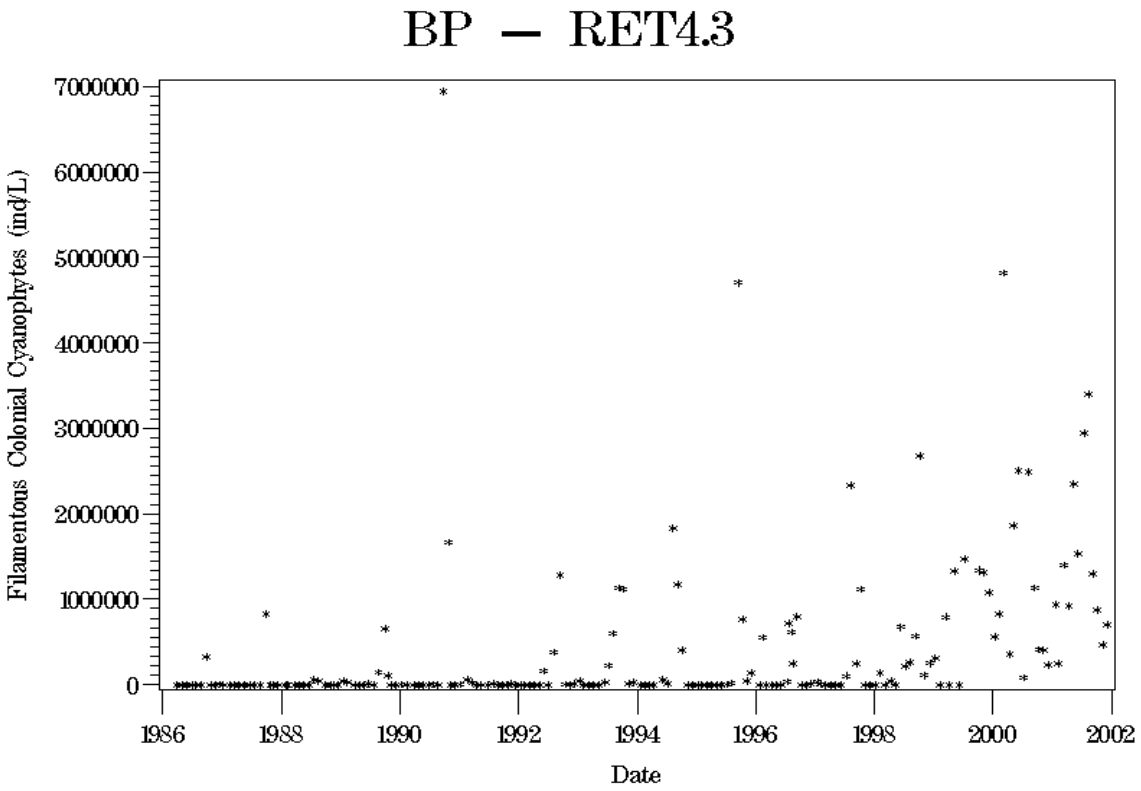

Figure F190. Plot of above pycnocline filamentous colonial cyanophyte abundance at station RET4.3 for the period of 1986 through 2001.

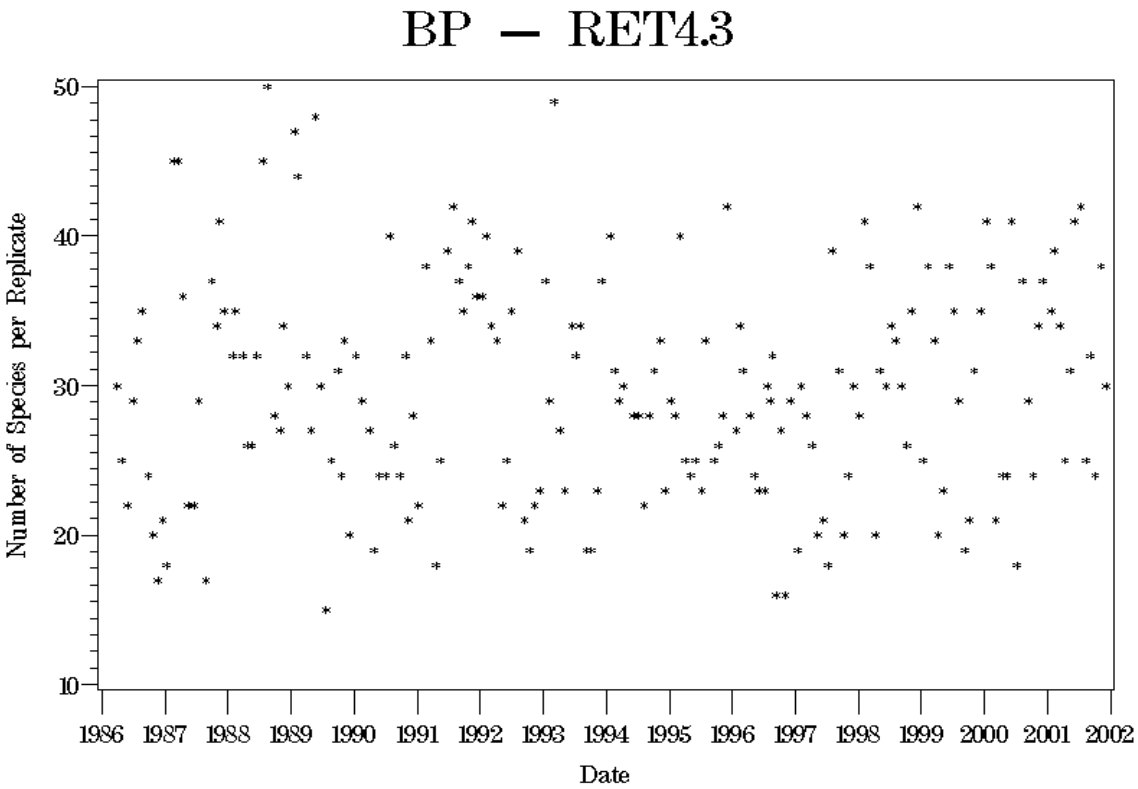

Figure F191. Plot of above pycnocline number of species per replicate at station RET4.3 for the period of 1986 through 2001.

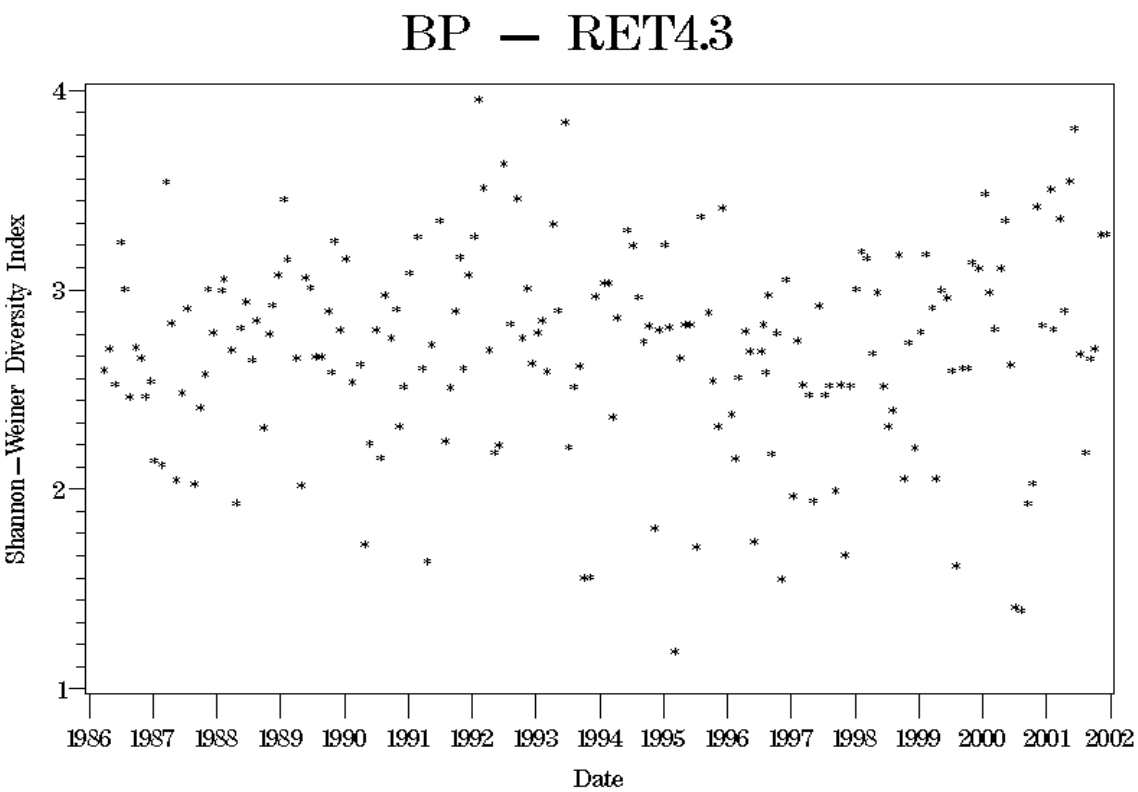

Figure F192. Plot of above pycnocline Shannon-Weiner diversity index at station RET4.3 for the period of 1986 through 2001.

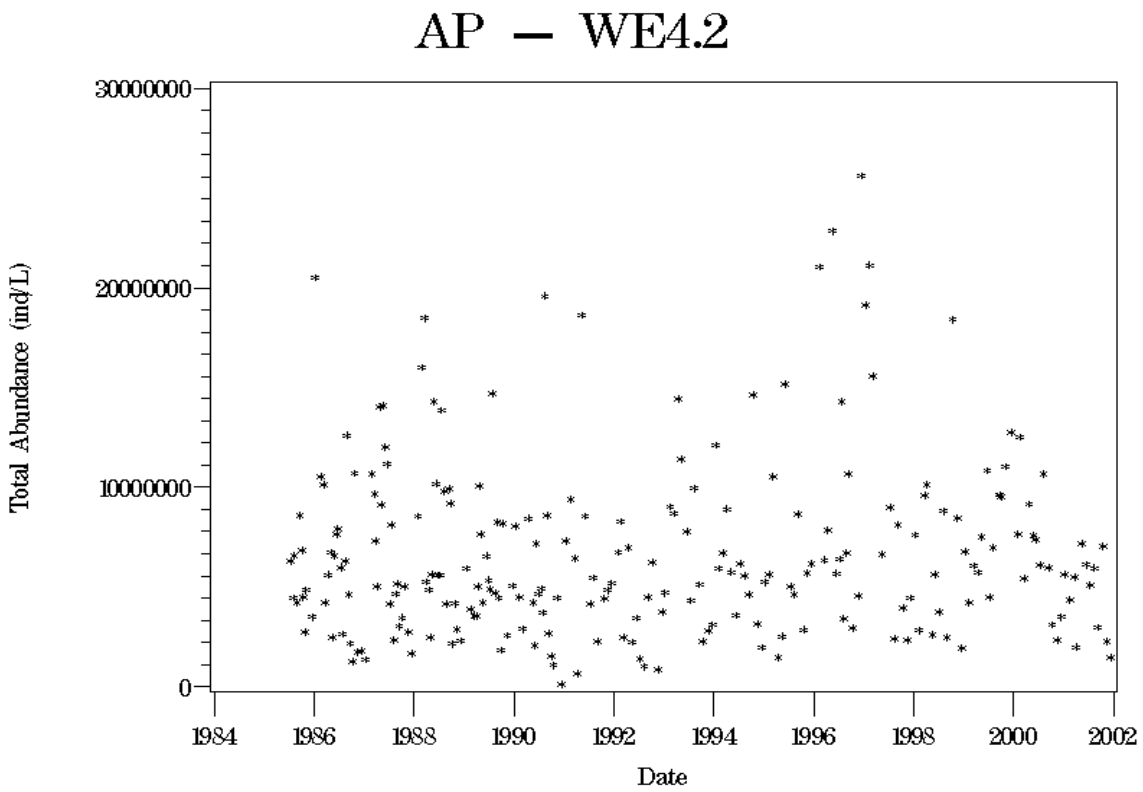

Figure F193. Plot of above pycnocline total phytoplankton abundance against time at station WE4.2 for the period of 1985 through 2001.

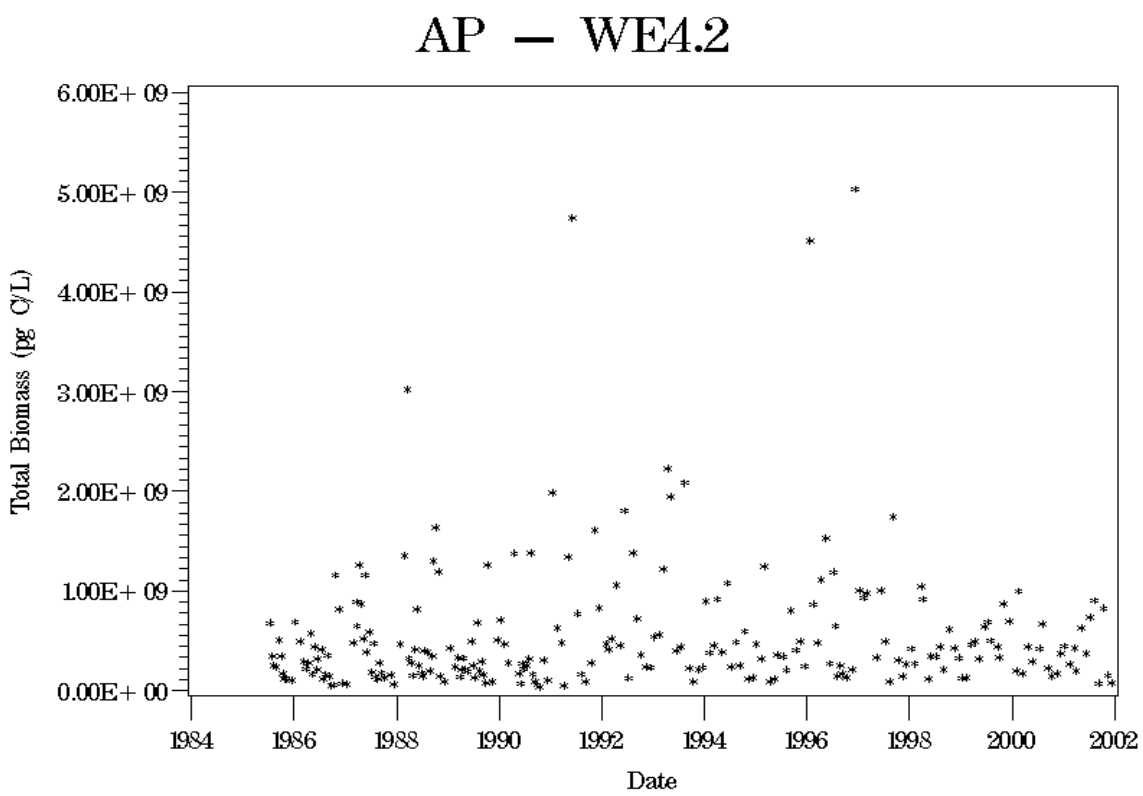

Figure F194. Plot of above pycnocline total phytoplankton biomass against time at station WE4.2 for the period of 1985 through 2001.

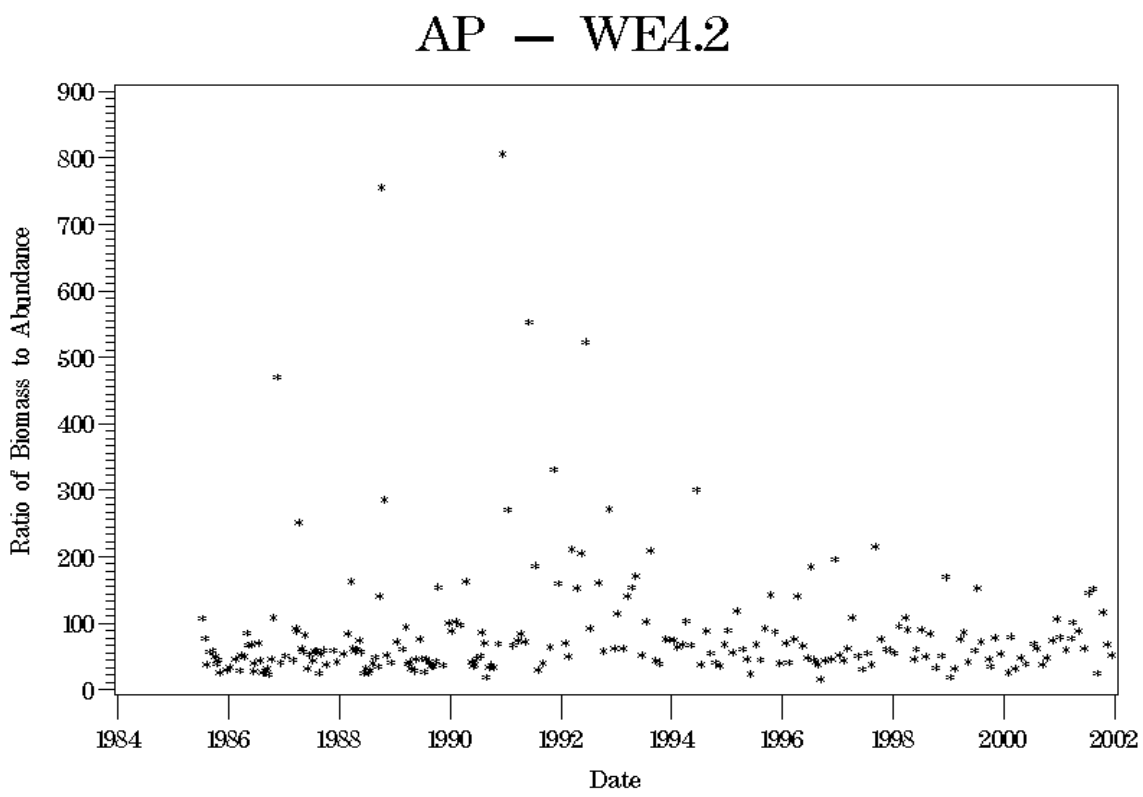

Figure F195. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station WE4.2 for the period of 1985 through 2001.

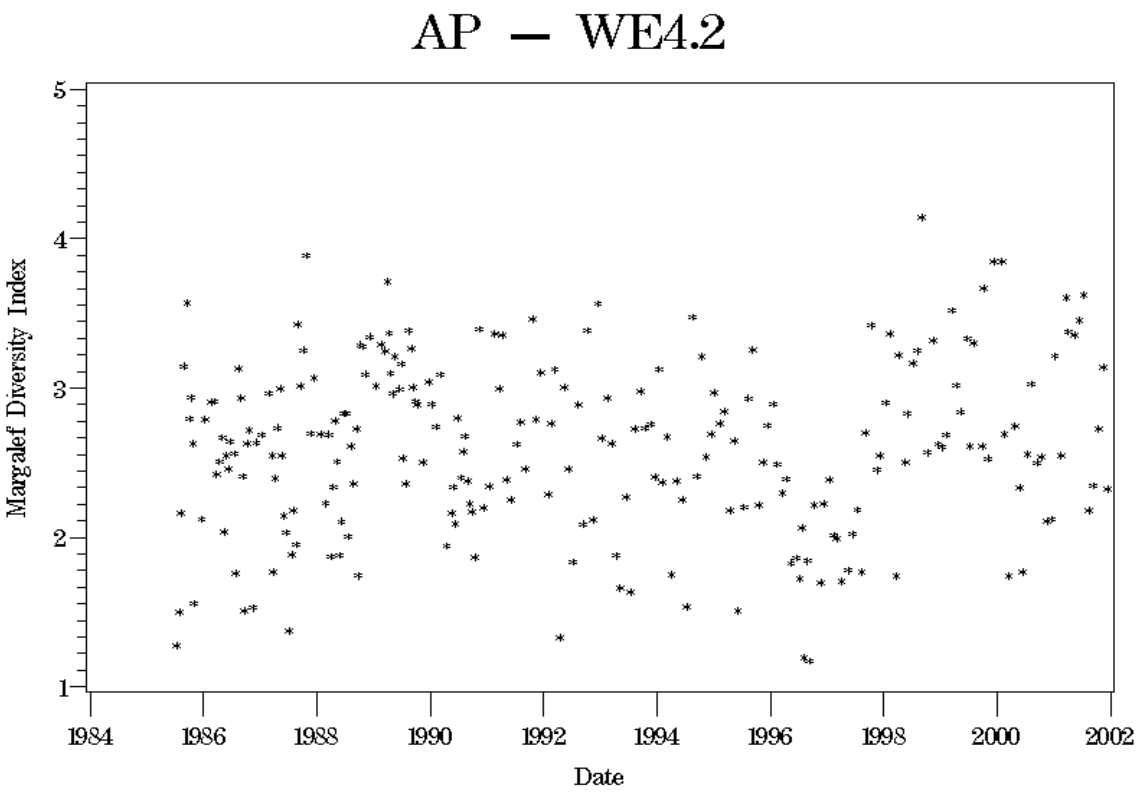

Figure F196. Plot of above pycnocline Margalef diversity index against time at station WE4.2 for the period of 1985 through 2001.

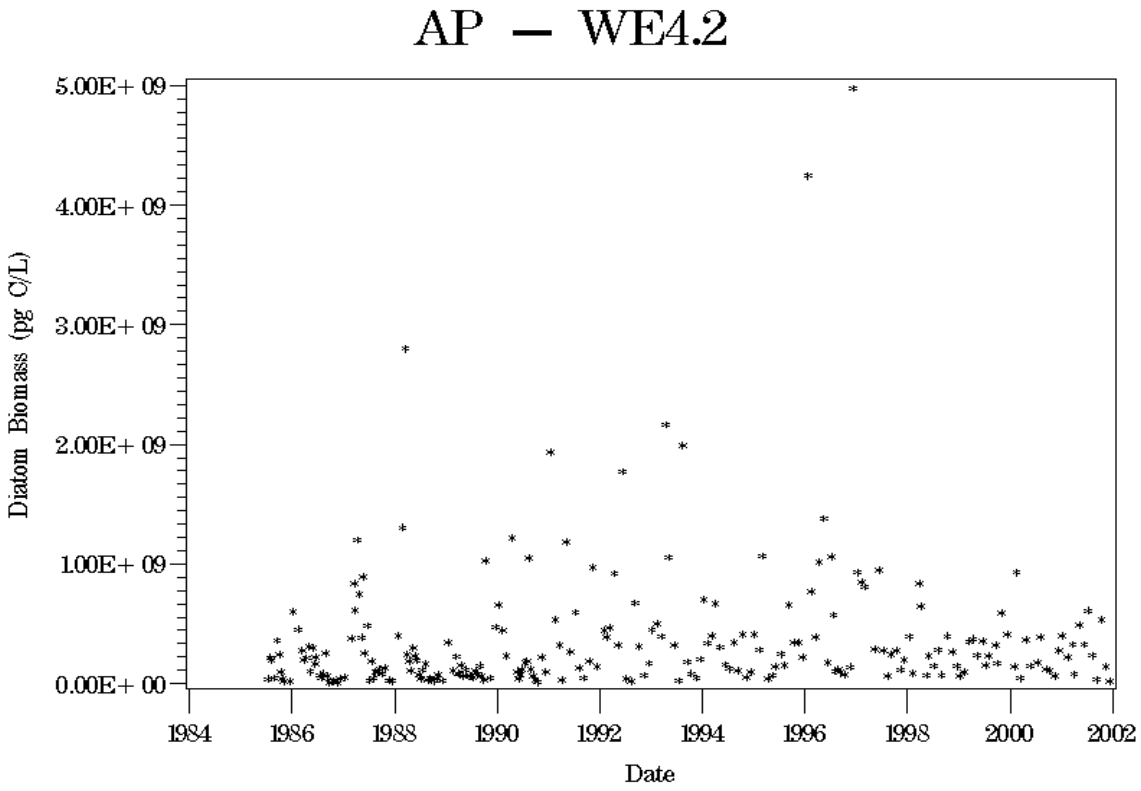

Figure F197. Plot of above pycnocline diatom biomass against time at station WE4.2 for the period of 1985 through 2001.

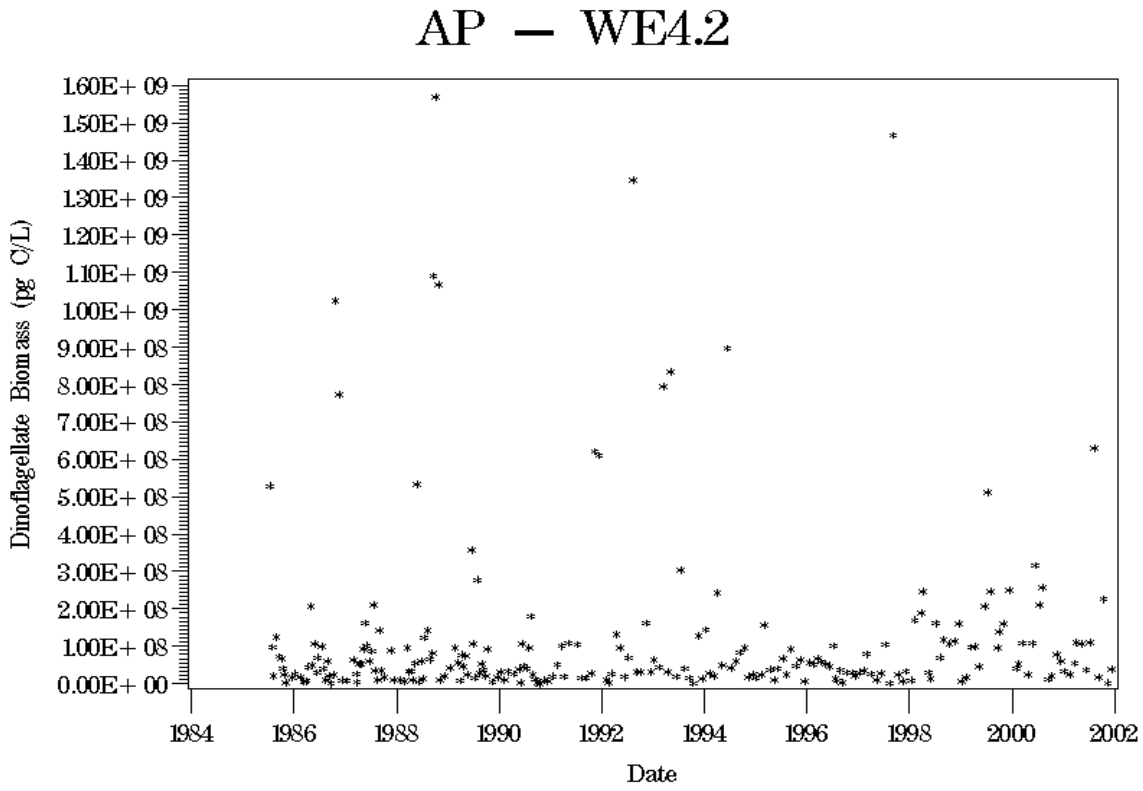

Figure F198. Plot of above pycnocline dinoflagellate biomass against time at station WE4.2 for the period of 1985 through 2001.

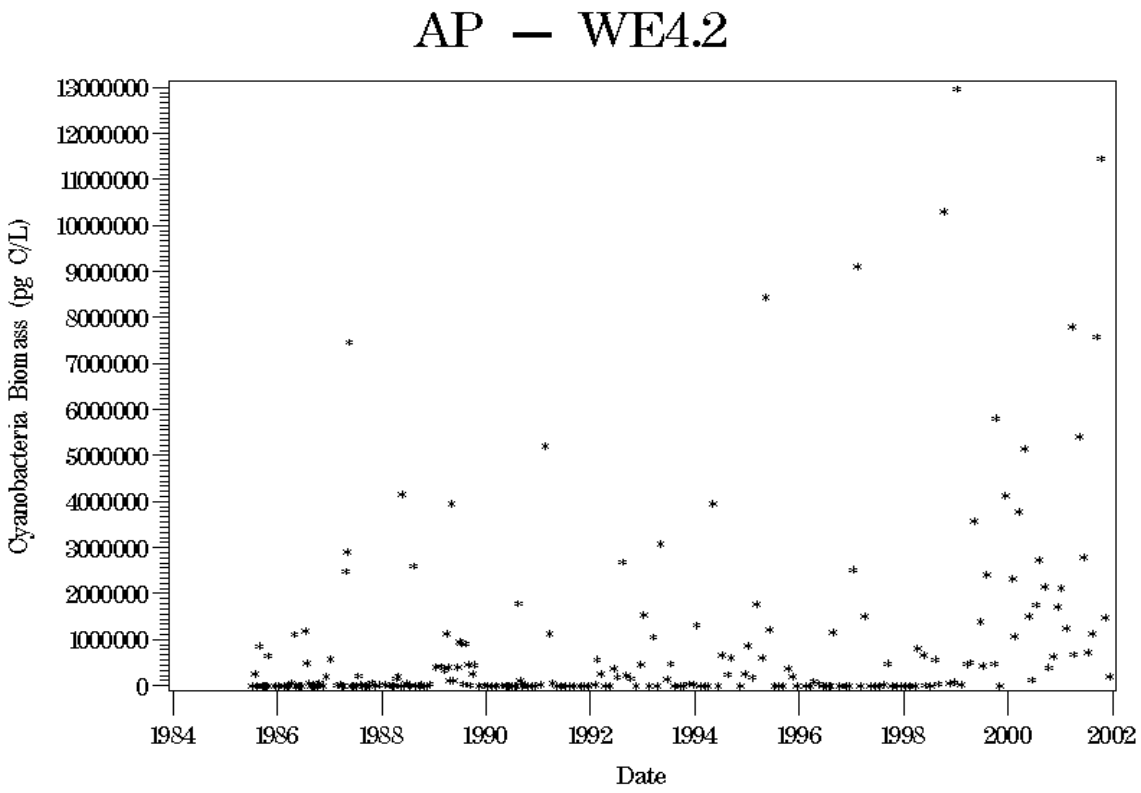

Figure F199. Plot of above pycnocline cyanobacteria biomass against time at station WE4.2 for the period of 1985 through 2001.

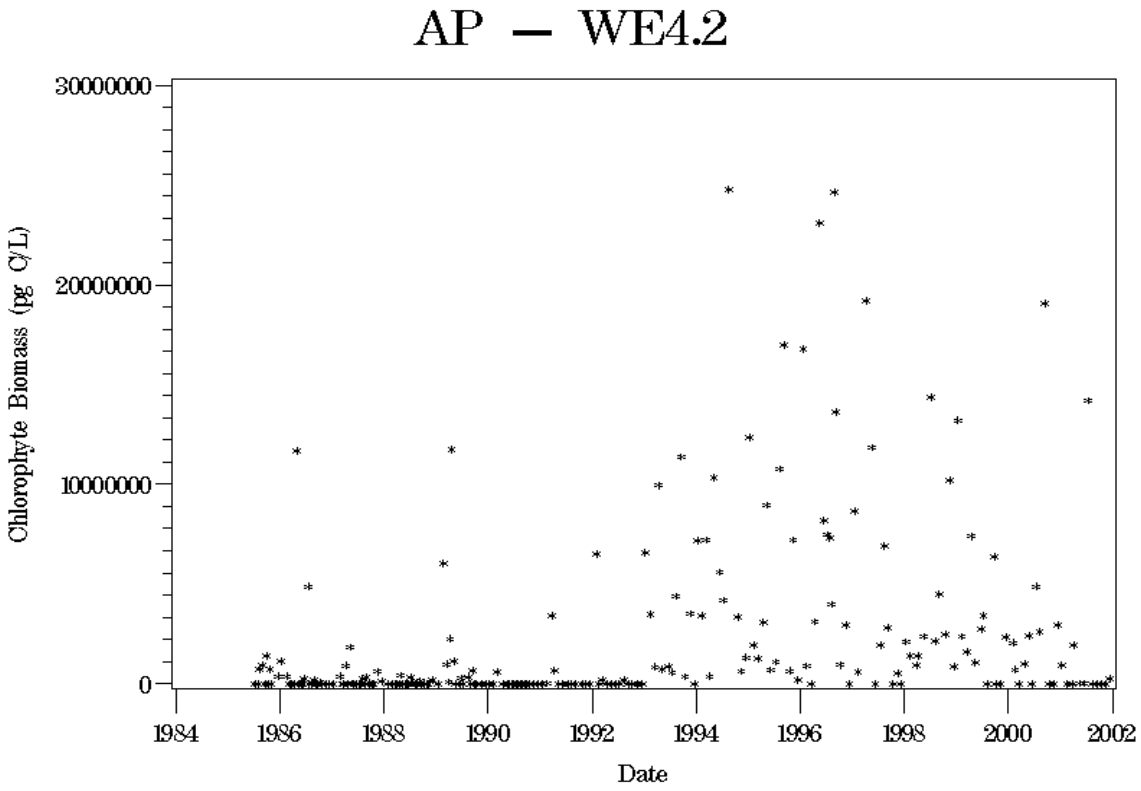

Figure F200. Plot of above pycnocline chlorophyte biomass against time at station WE4.2 for the period of 1985 through 2001.

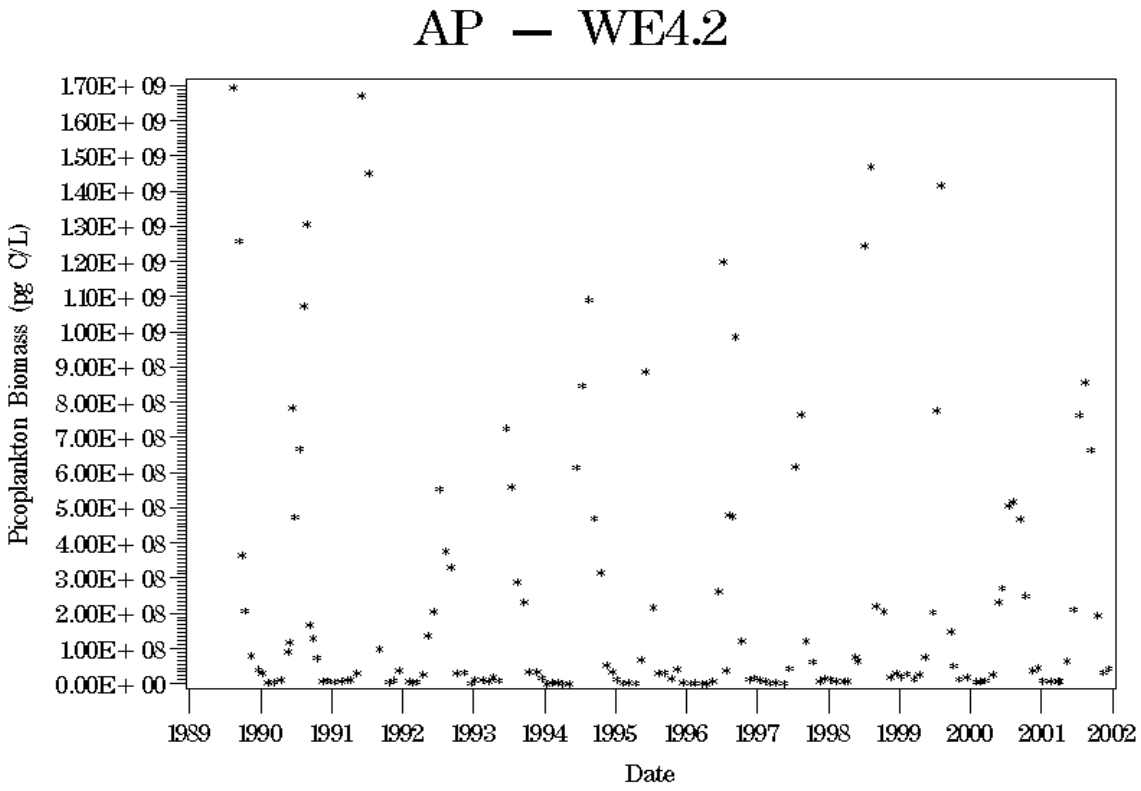

Figure F201. Plot of above pycnocline picoplankton biomass against time at station WE4.2 for the period of 1989 through 2001.

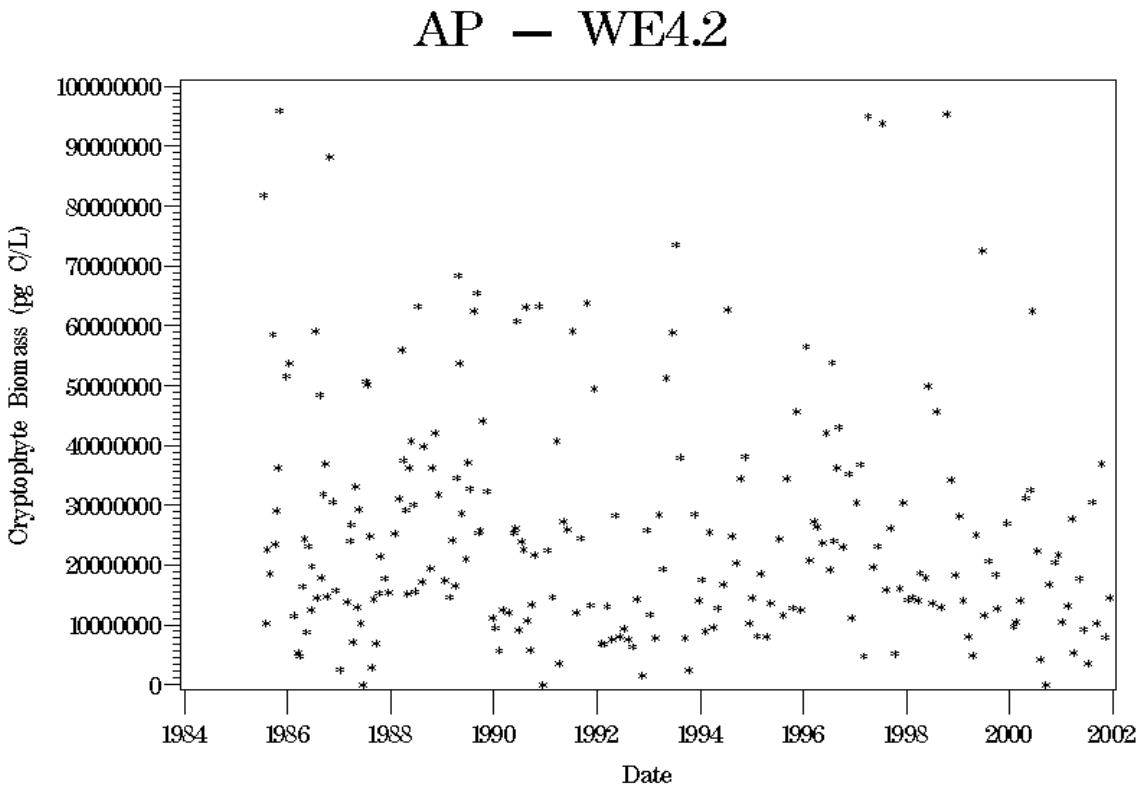

Figure F202. Plot of above pycnocline cryptophyte biomass at station WE4.2 for the period of 1985 through 2001.

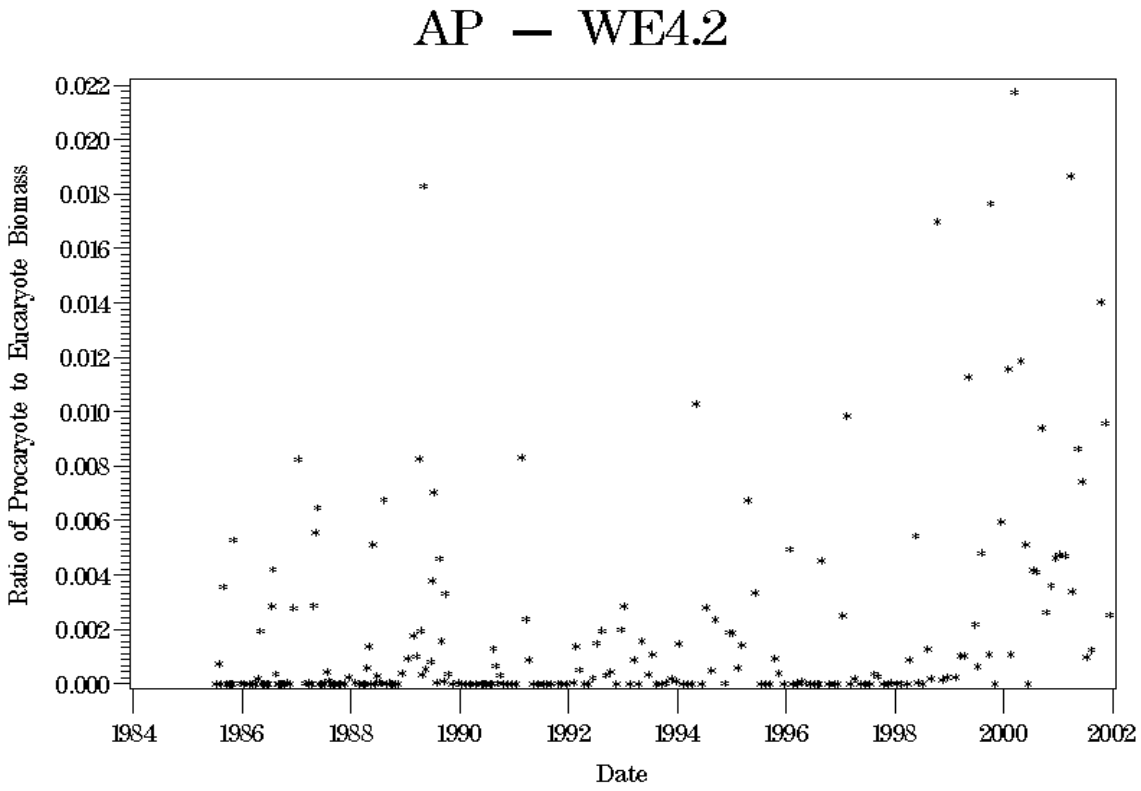

Figure F203. Plot of above pycnocline cyanophyte abundance at station WE4.2 for the period of 1985 through 2001.

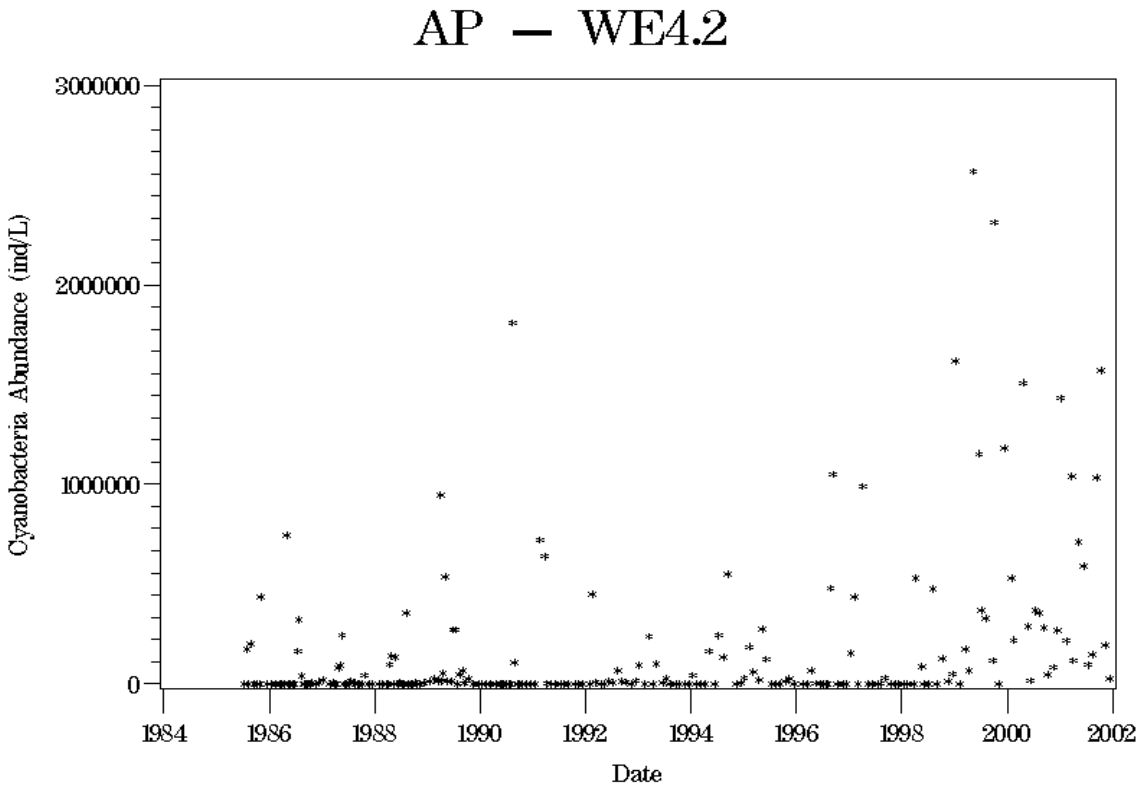

Figure F204. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station WE4.2 for the period of 1985 through 2001.

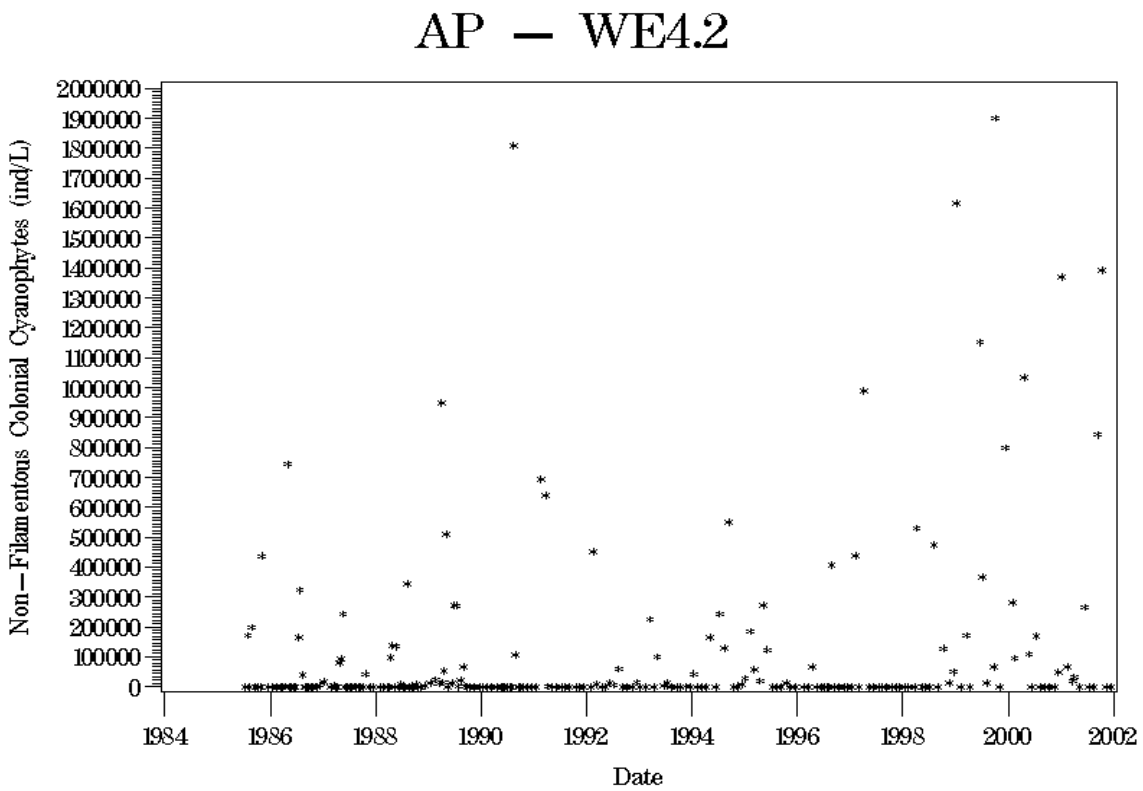

Figure F205. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station WE4.2 for the period of 1985 through 2001.

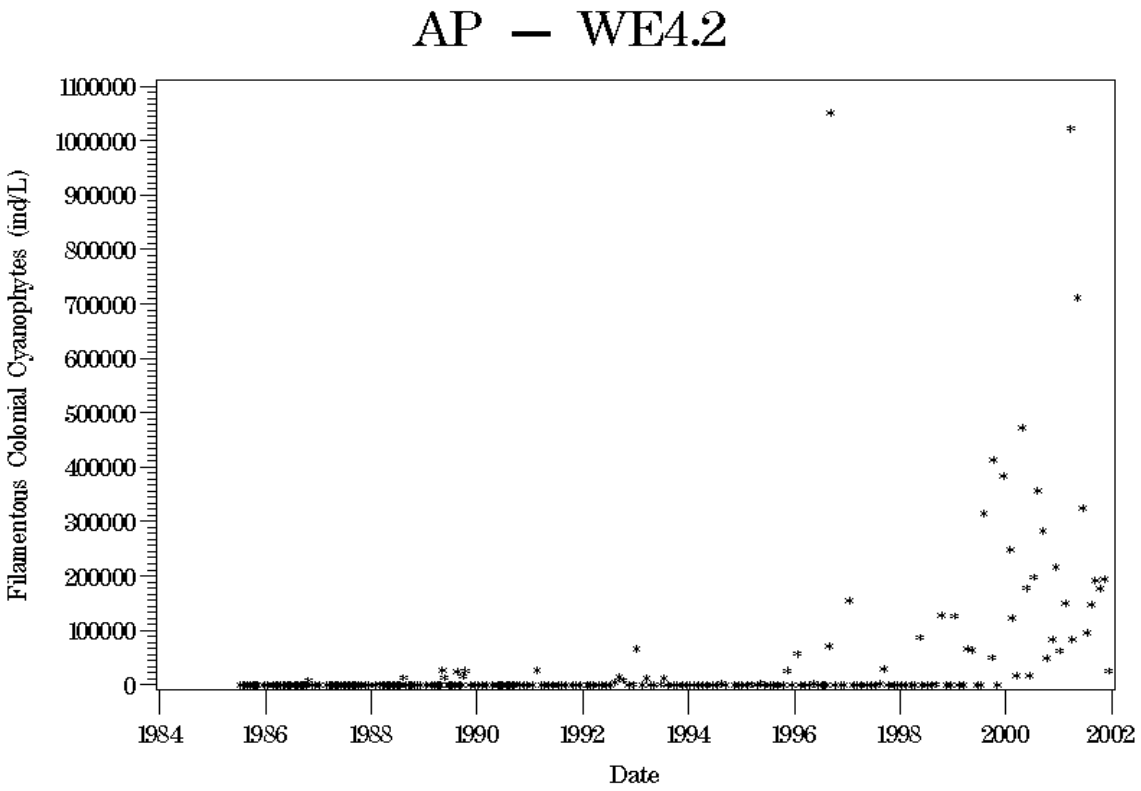

Figure F206. Plot of above pycnocline filamentous colonial cyanophyte abundance at station WE4.2 for the period of 1985 through 2001.

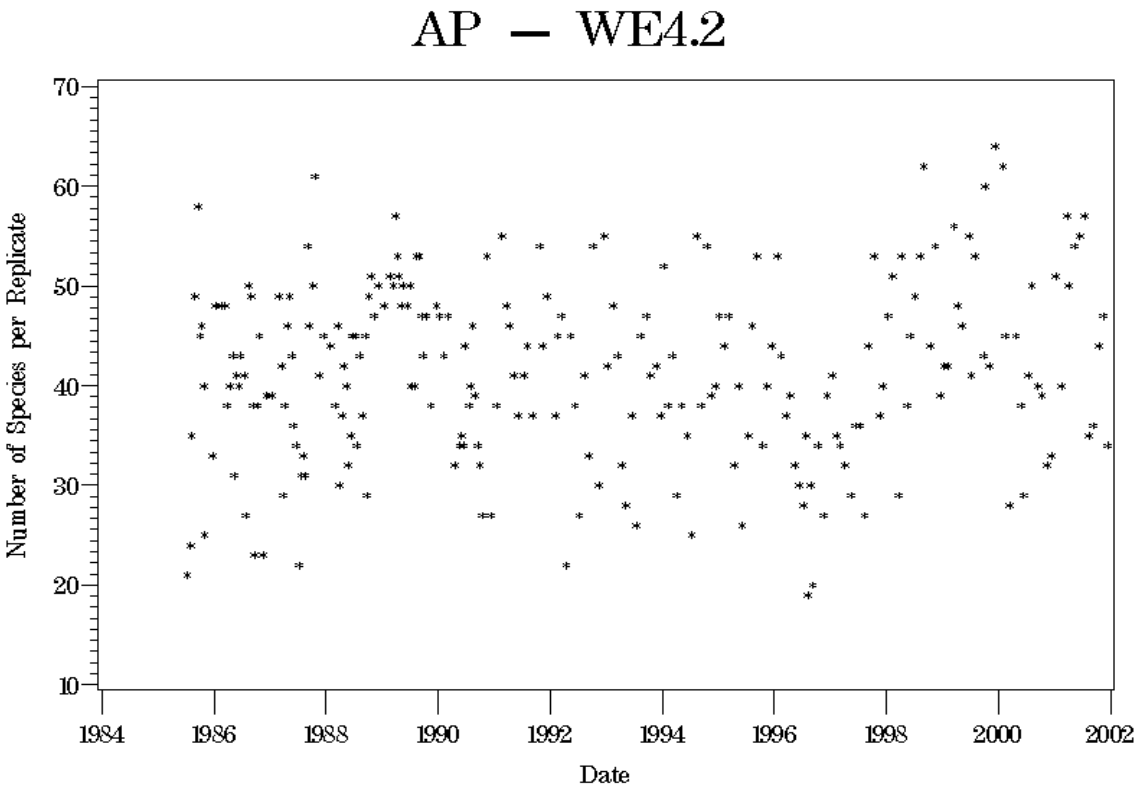

Figure F207. Plot of above pycnocline number of species per replicate at station WE4.2 for the period of 1985 through 2001.

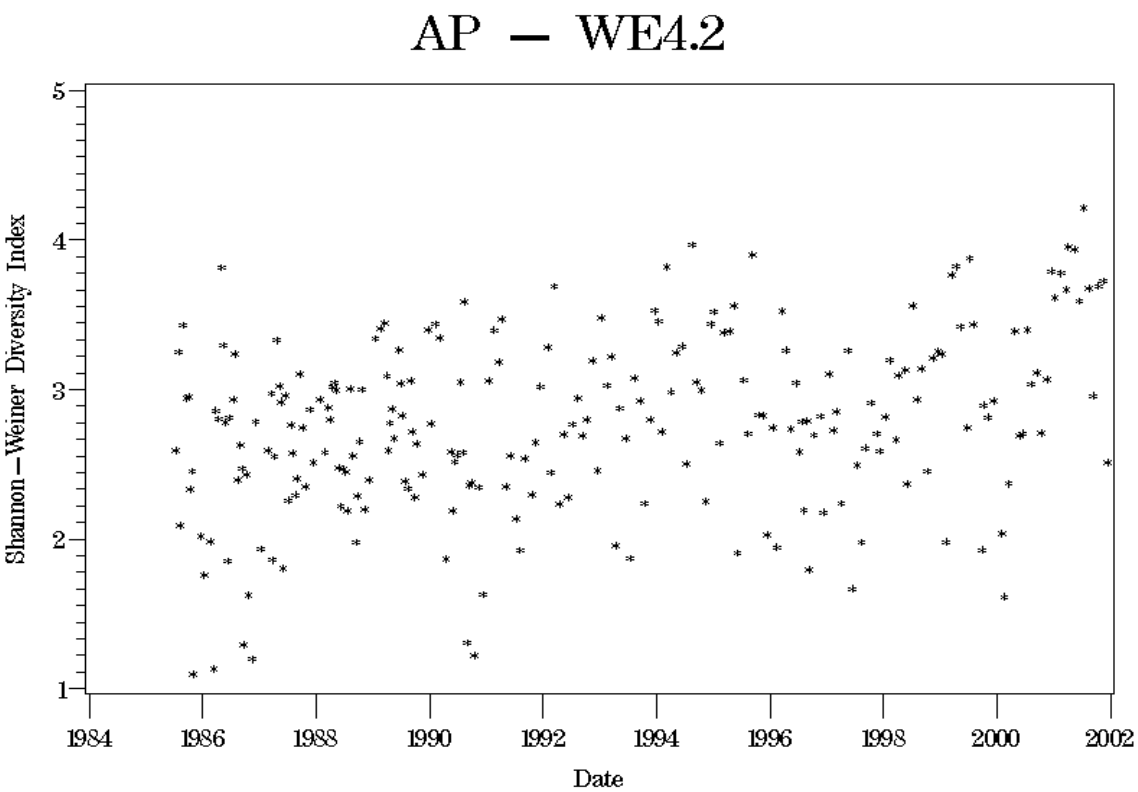

Figure F208. Plot of above pycnocline Shannon-Weiner diversity index at station WE4.2 for the period of 1985 through 2001.

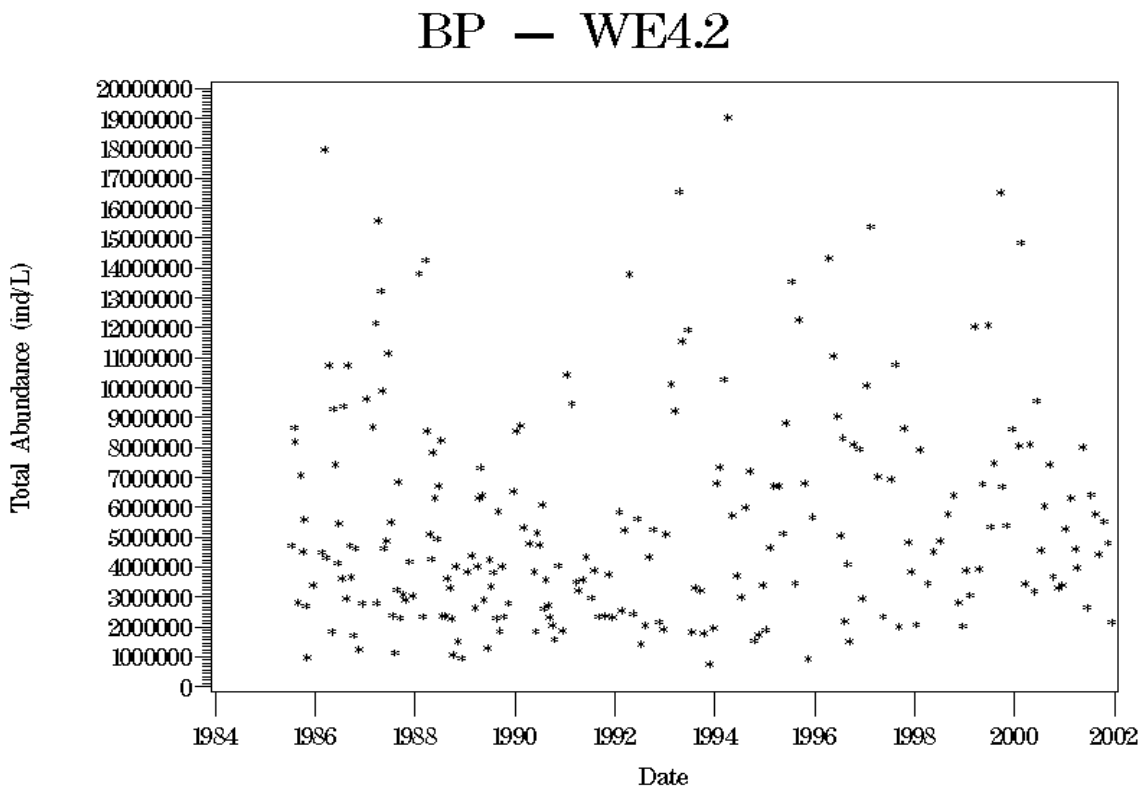

Figure F209. Plot of above pycnocline total phytoplankton abundance against time at station WE4.2 for the period of 1985 through 2001.

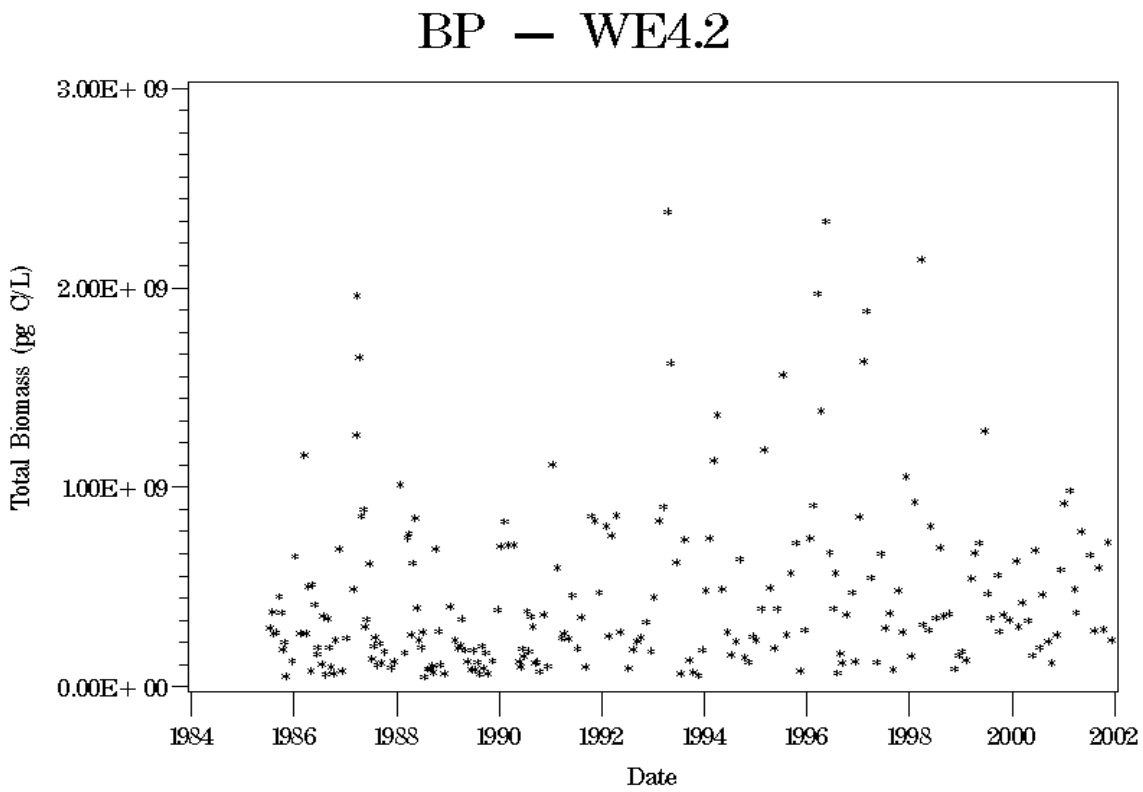

Figure F210. Plot of below pycnocline total phytoplankton biomass against time at station WE4.2 for the period of 1985 through 2001.

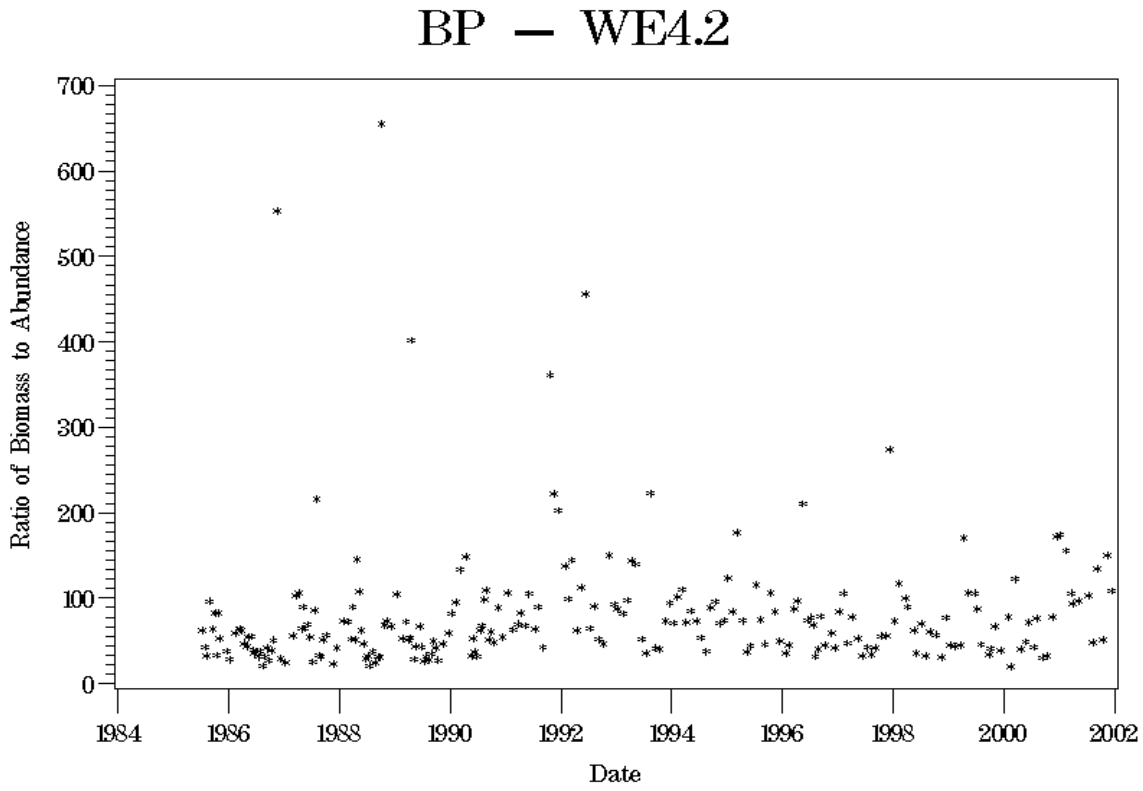

Figure F211. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station WE4.2 for the period of 1985 through 2001.

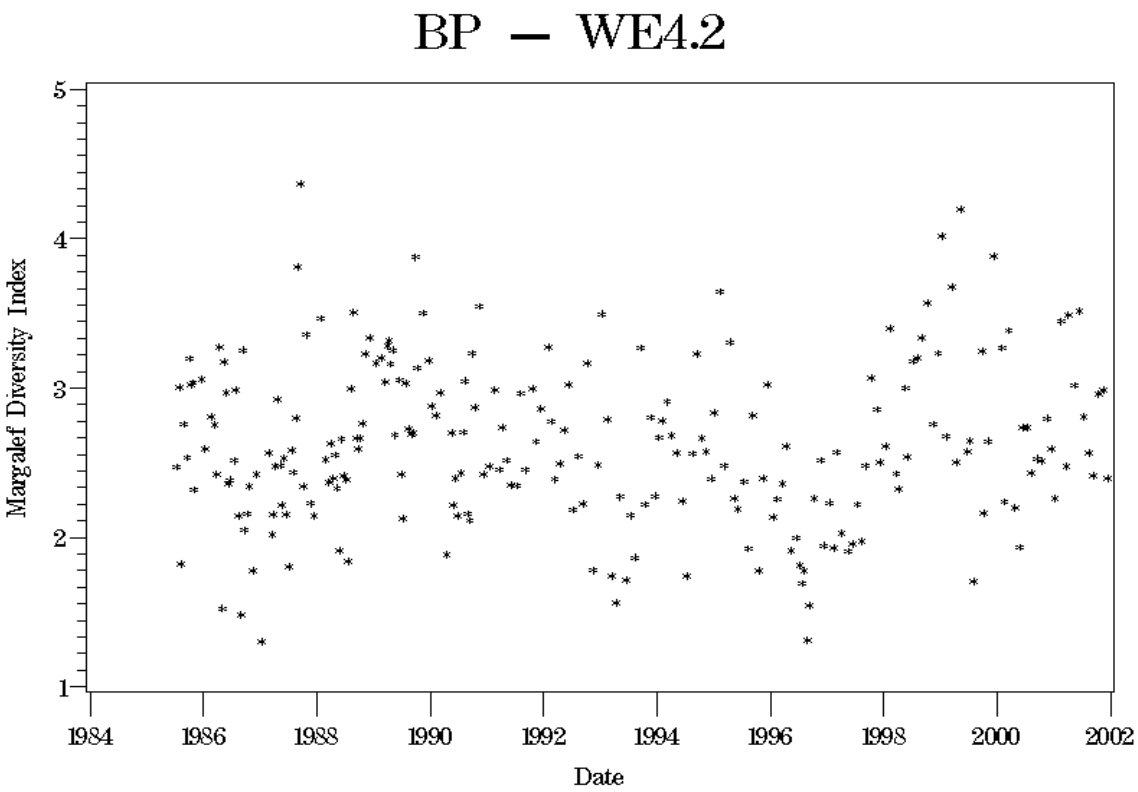

Figure F212. Plot of below pycnocline Margalef diversity index against time at station WE4.2 for the period of 1985 through 2001.

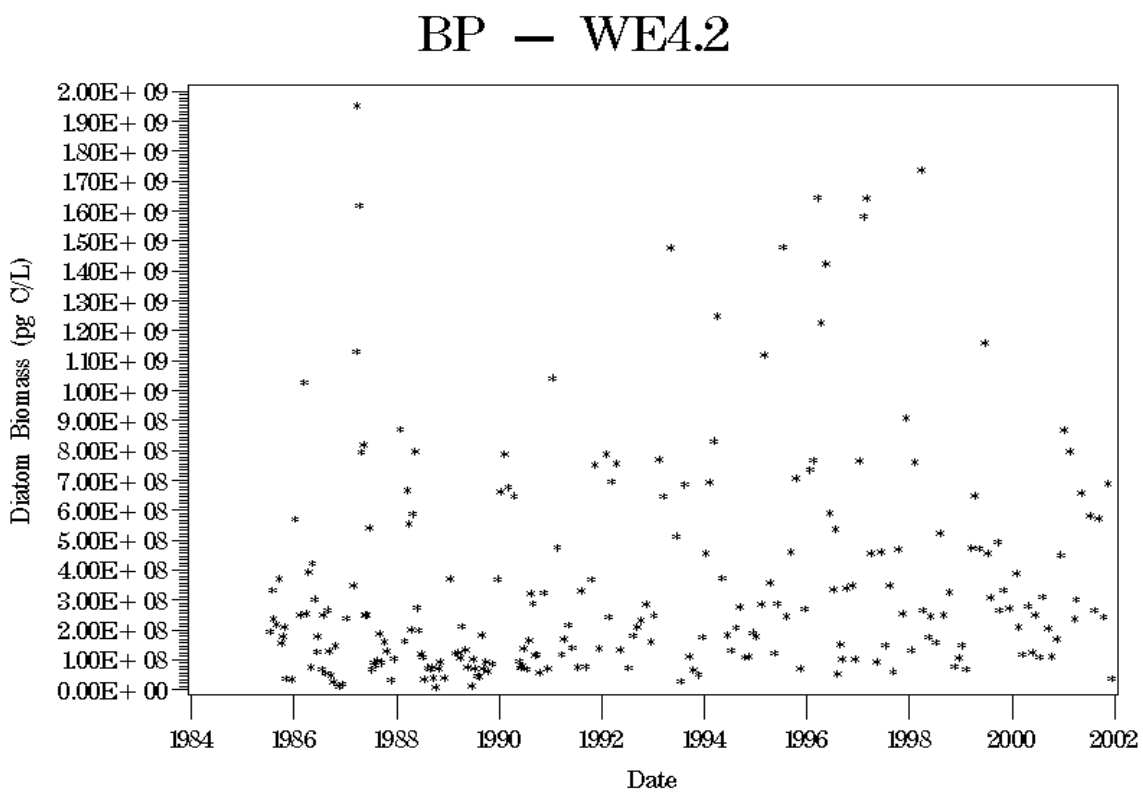

Figure F213. Plot of below pycnocline diatom biomass against time at station WE4.2 for the period of 1985 through 2001.

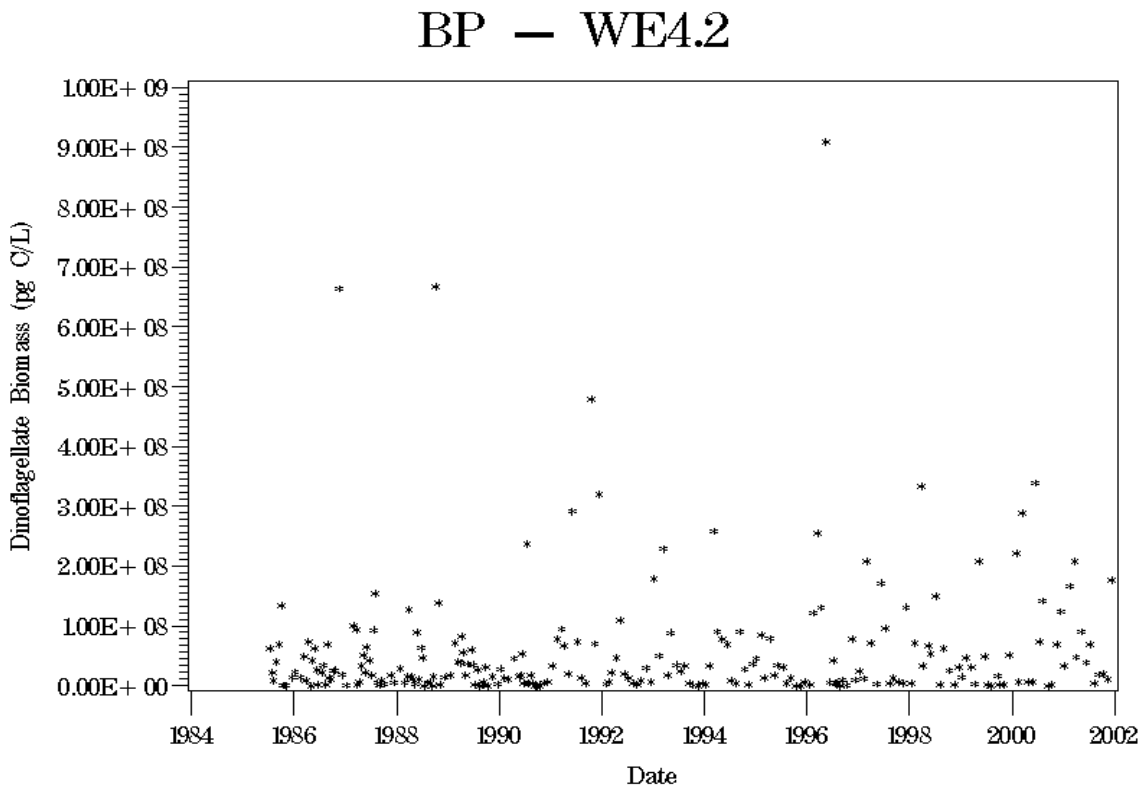

Figure F214. Plot of below pycnocline dinoflagellate biomass against time at station WE4.2 for the period of 1985 through 2001.

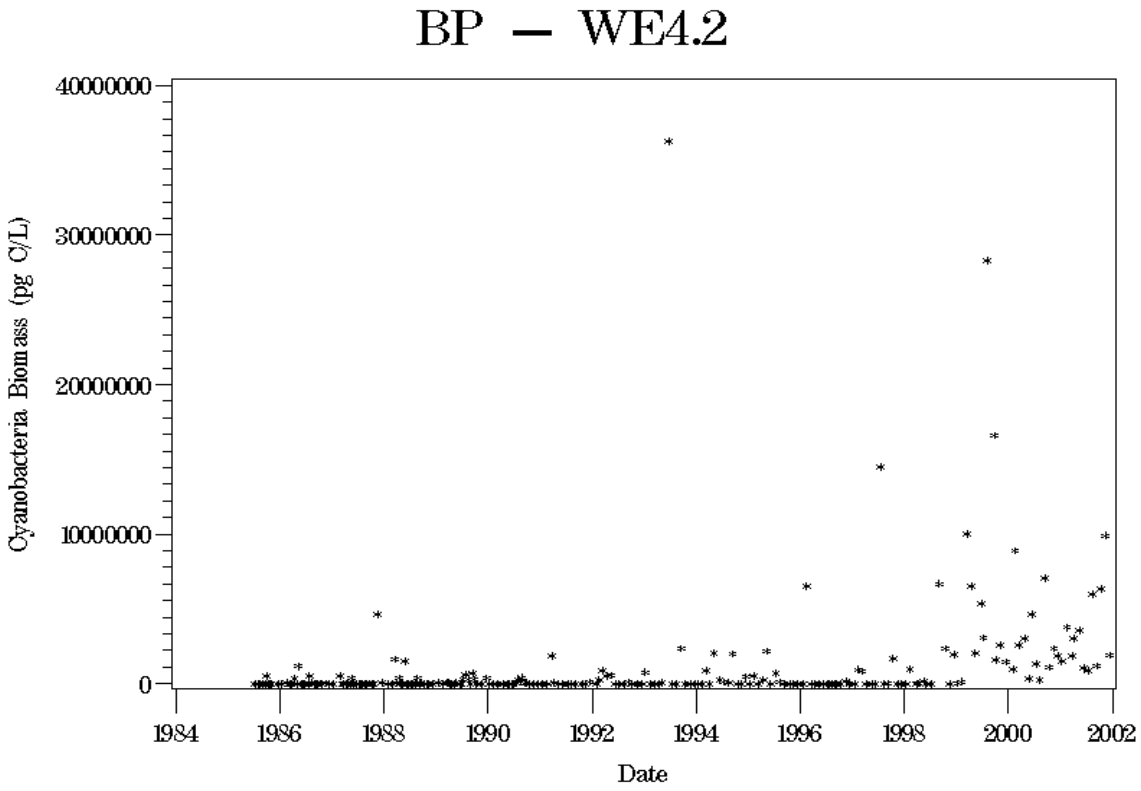

Figure F215. Plot of below pycnocline cyanobacteria biomass against time at station WE4.2 for the period of 1985 through 2001.

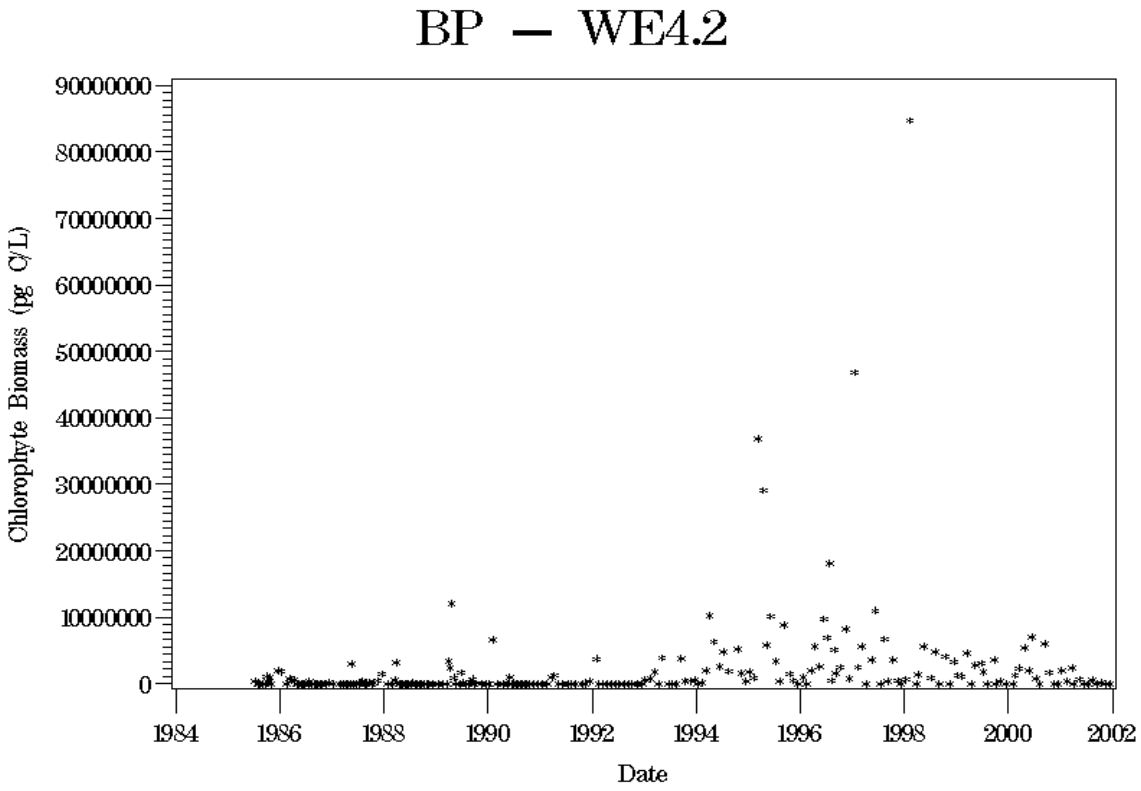

Figure F216. Plot of below pycnocline chlorophyte biomass against time at station WE4.2 for the period of 1985 through 2001.

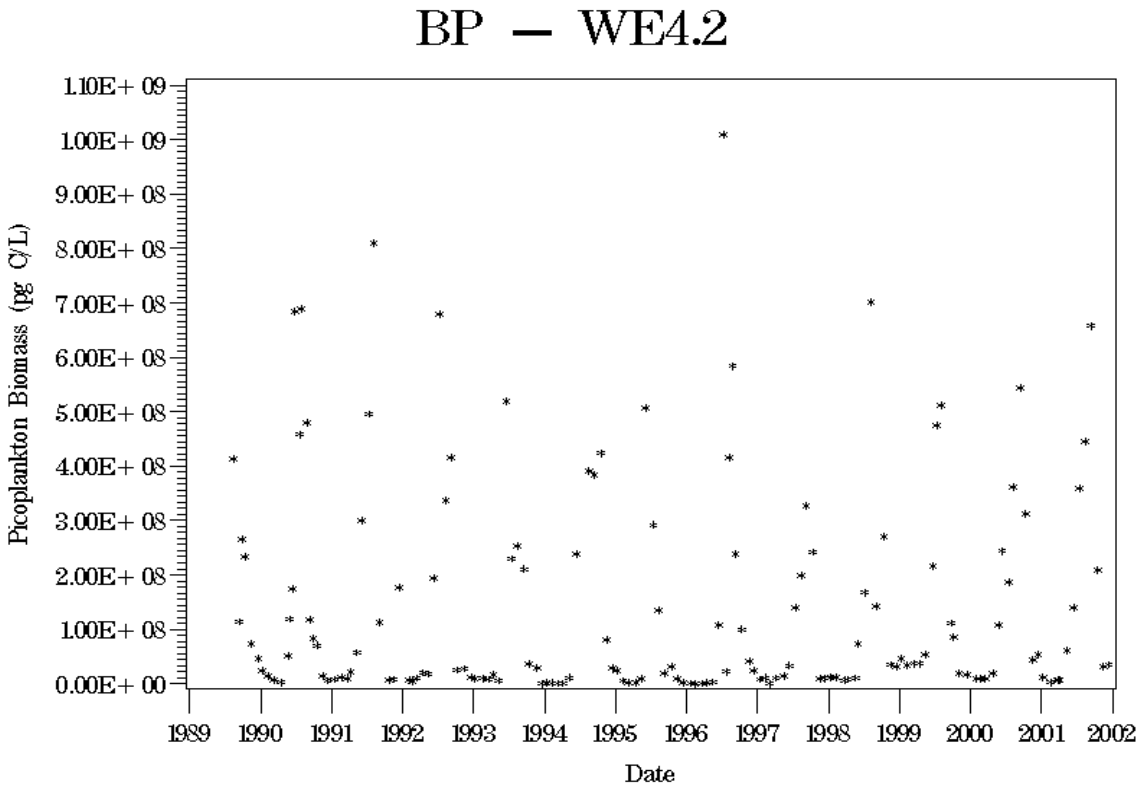

Figure F217. Plot of below pycnocline picoplankton biomass against time at station WE4.2 for the period of 1989 through 2001.

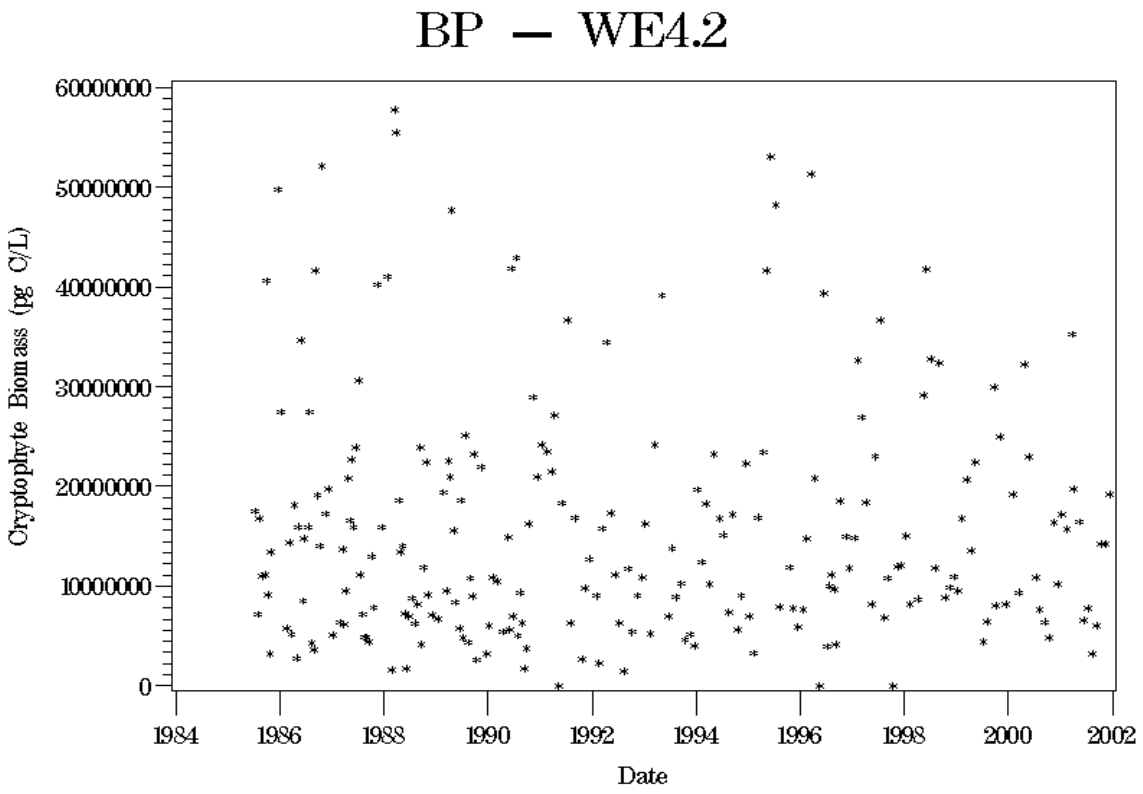

Figure F218. Plot of below pycnocline cryptophyte biomass at station WE4.2 for the period of 1985 through 2001.

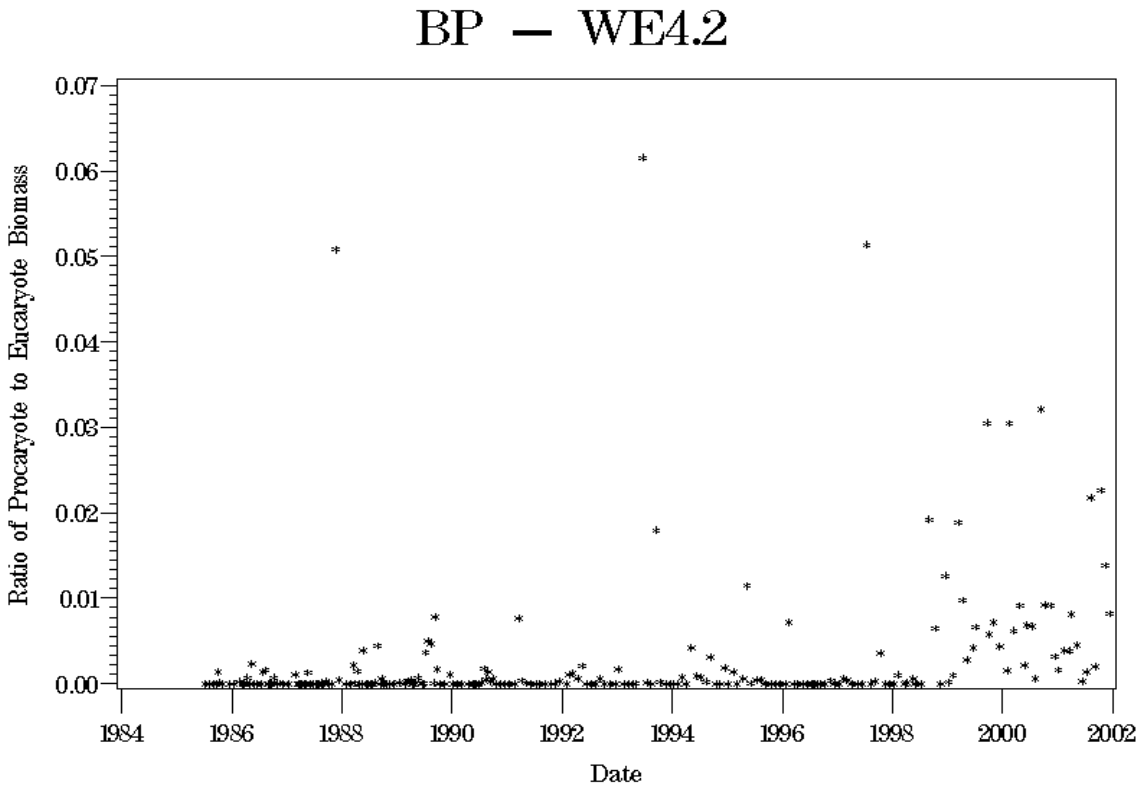

Figure F219. Plot of below pycnocline cyanophyte abundance at station WE4.2 for the period of 1985 through 2001.

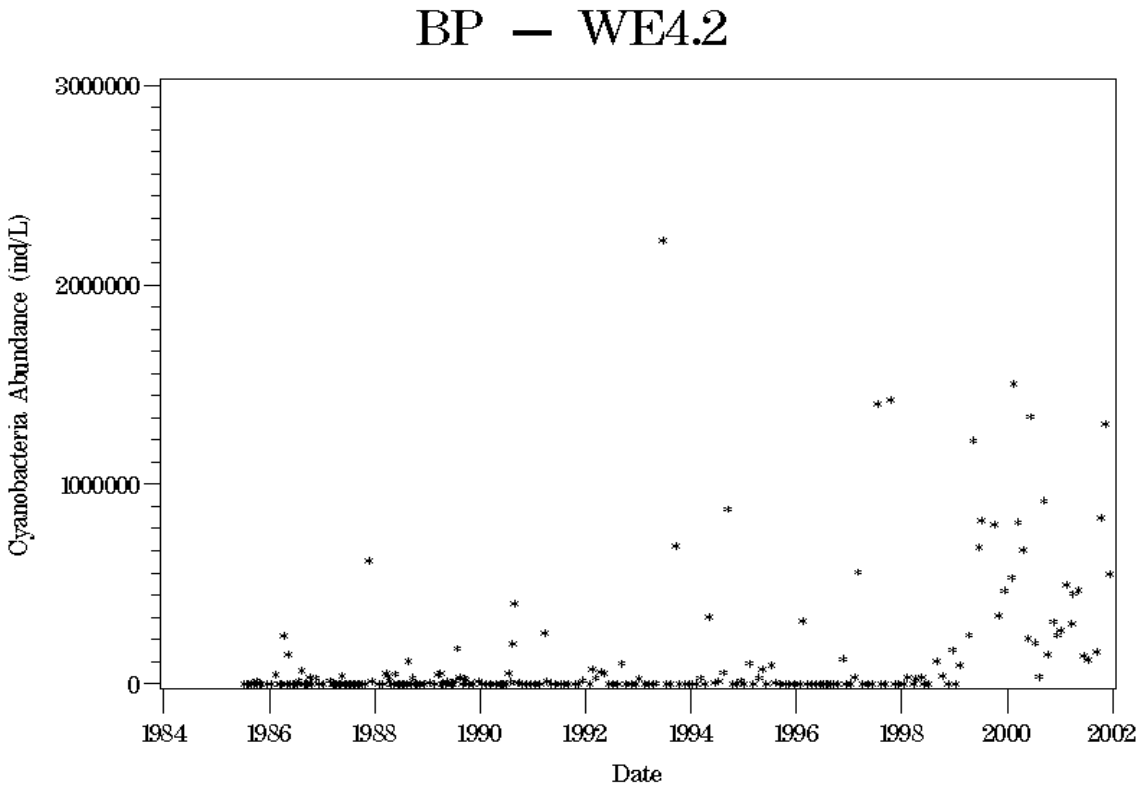

Figure F220. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station WE4.2 for the period of 1985 through 2001.

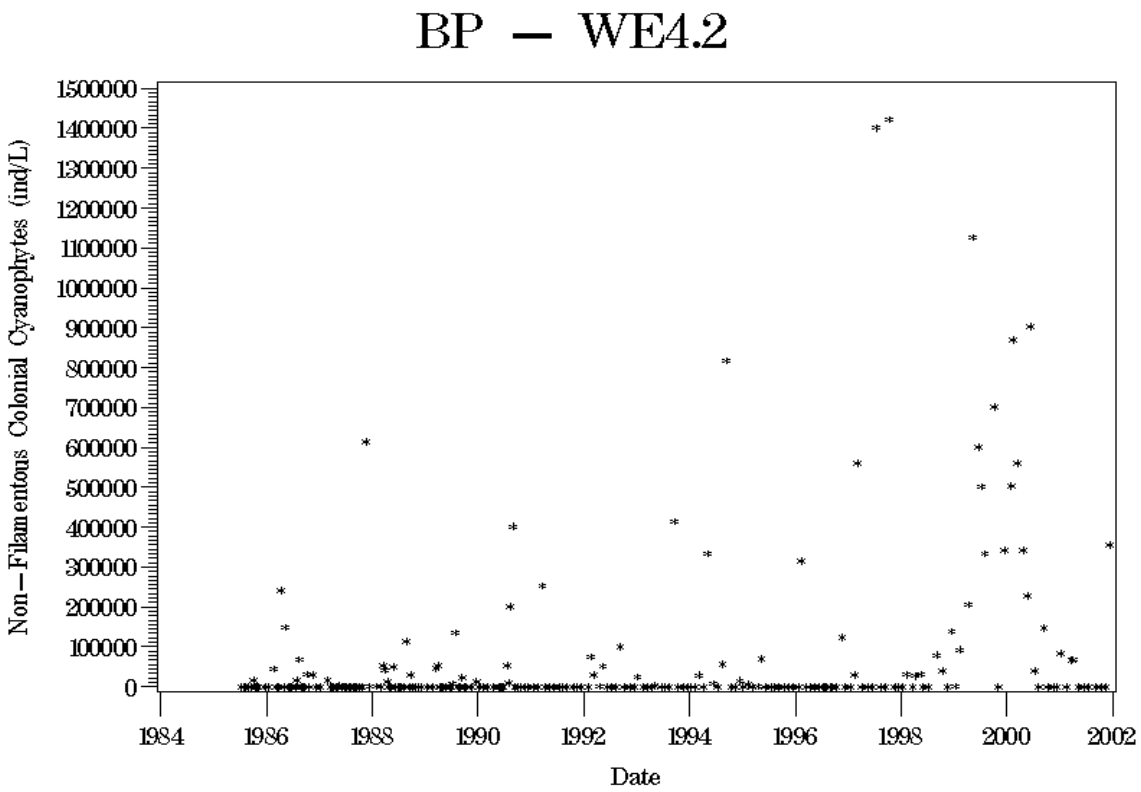

Figure F221. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station WE4.2 for the period of 1985 through 2001.

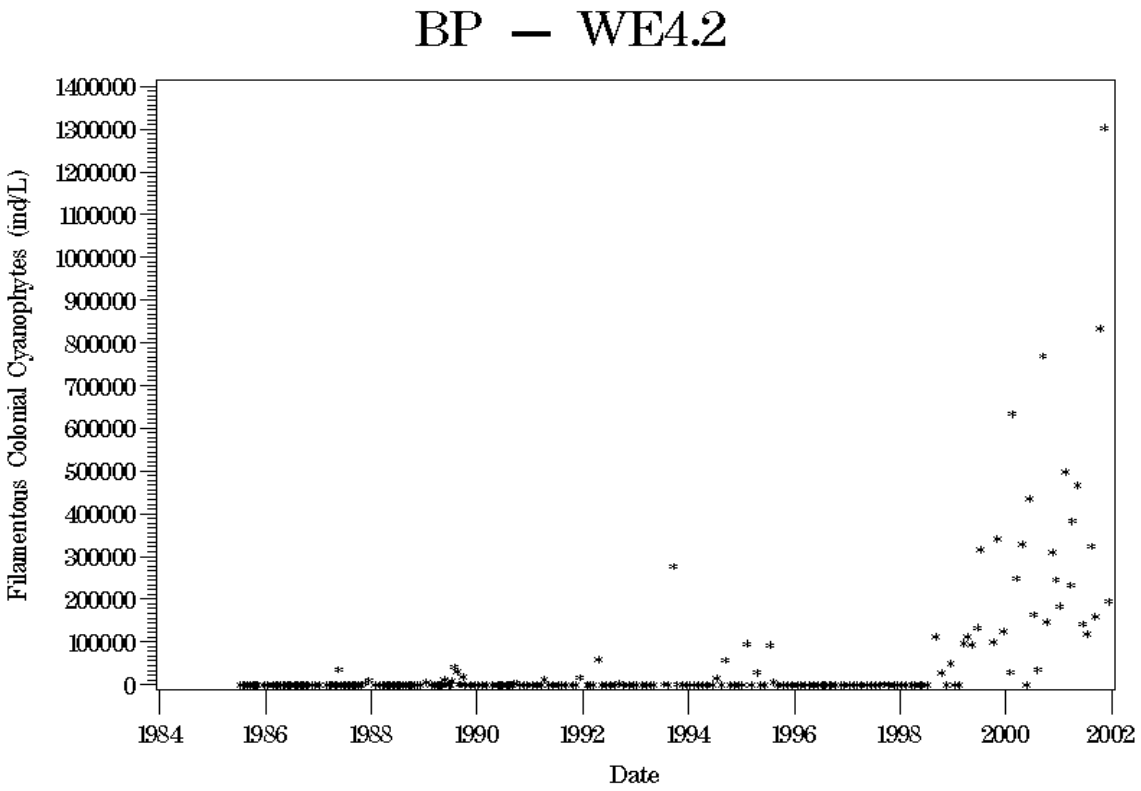

Figure F222. Plot of below pycnocline filamentous colonial cyanophyte abundance at station WE4.2 for the period of 1985 through 2001.

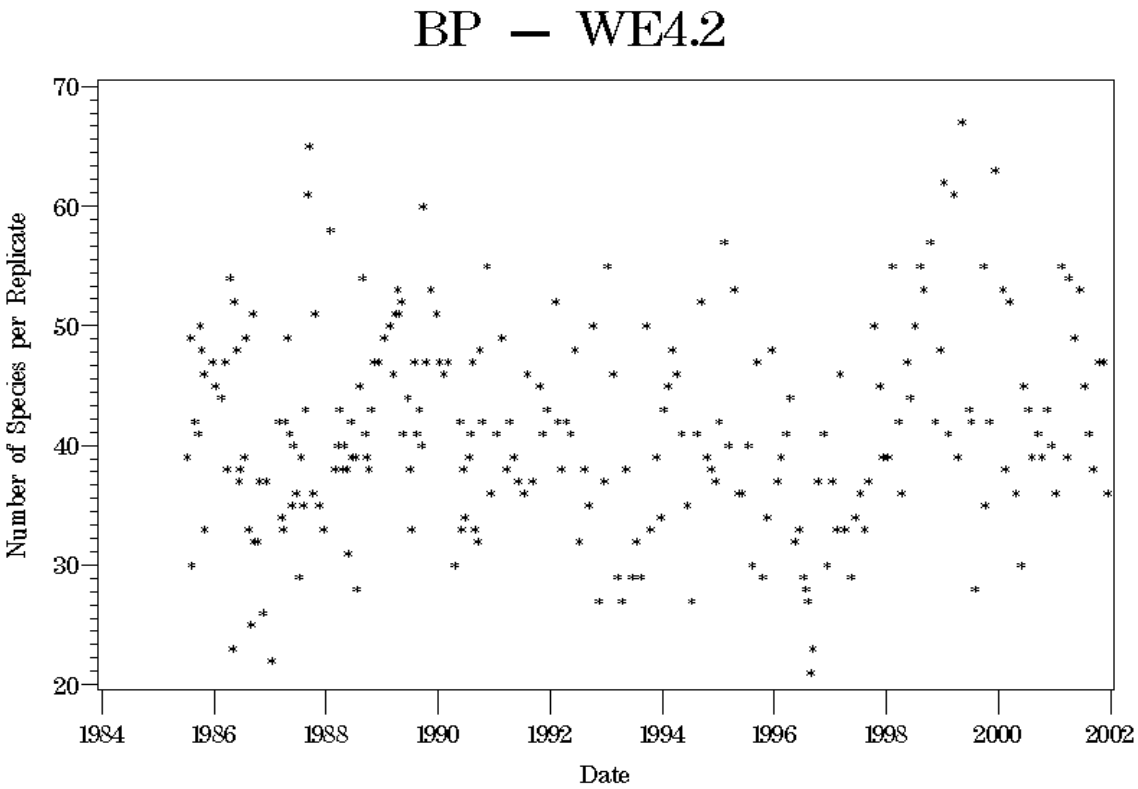

Figure F223. Plot of below pycnocline number of species per replicate at station WE4.2 for the period of 1985 through 2001.

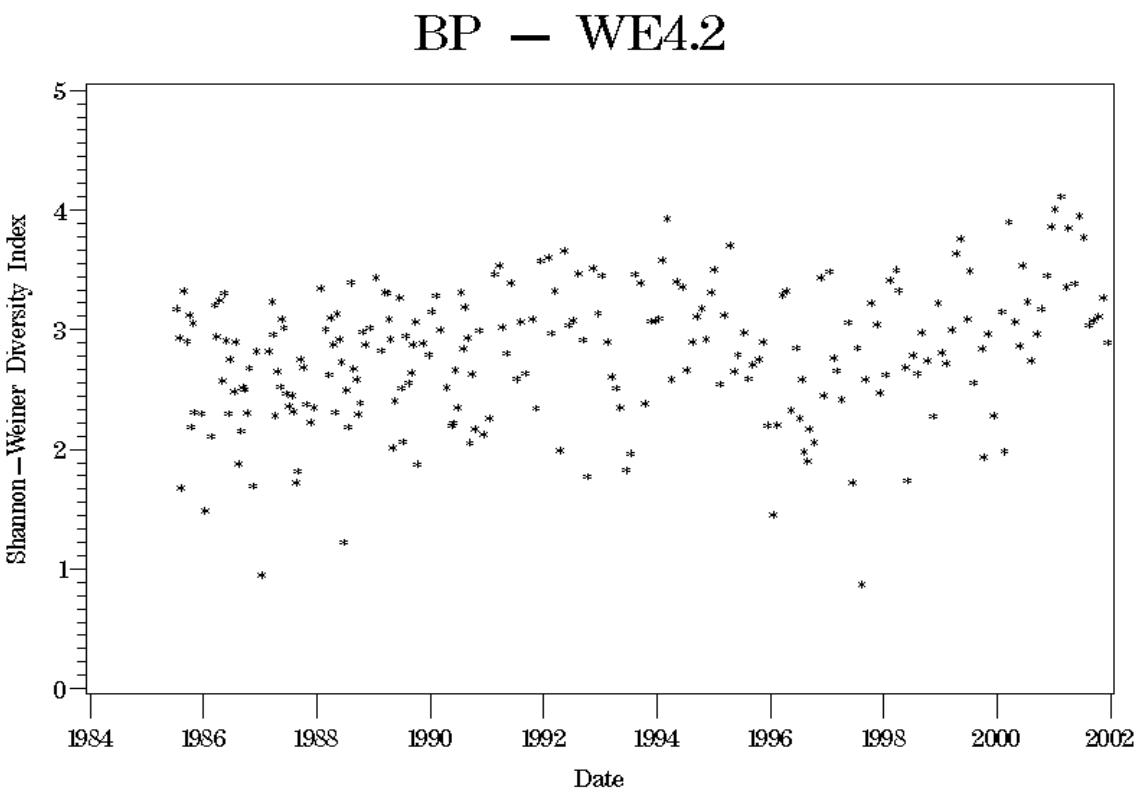

Figure F224. Plot of below pycnocline Shannon-Weiner diversity index at station WE4.2 for the period of 1985 through 2001.

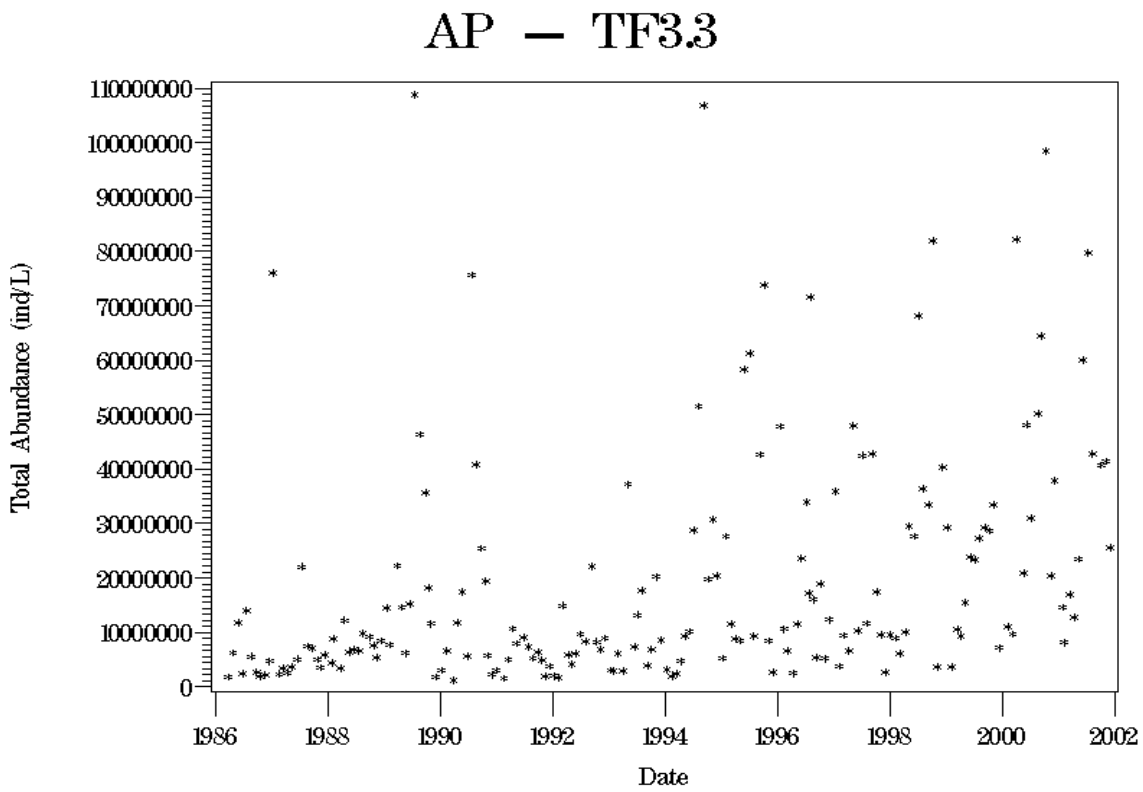

Figure F225. Plot of above pycnocline total phytoplankton abundance against time at station TF3.3 for the period of 1986 through 2001.

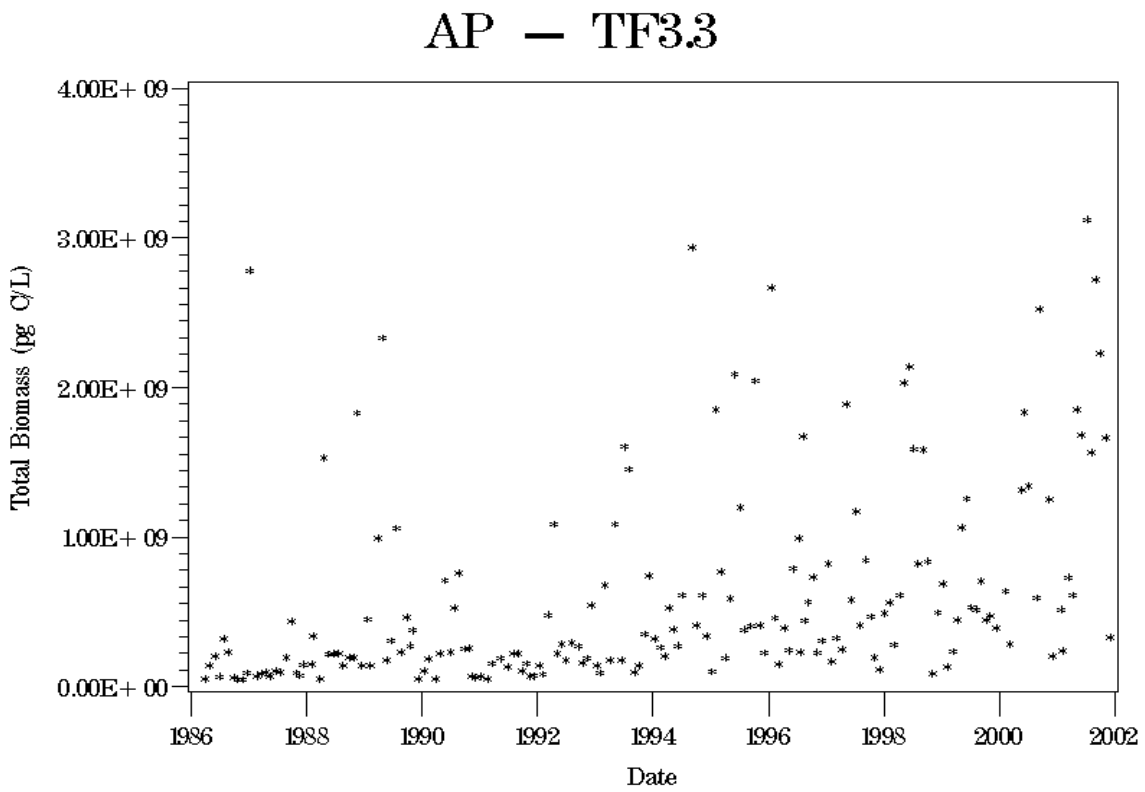

Figure F226. Plot of above pycnocline total phytoplankton biomass against time at station TF3.3 for the period of 1986 through 2001.

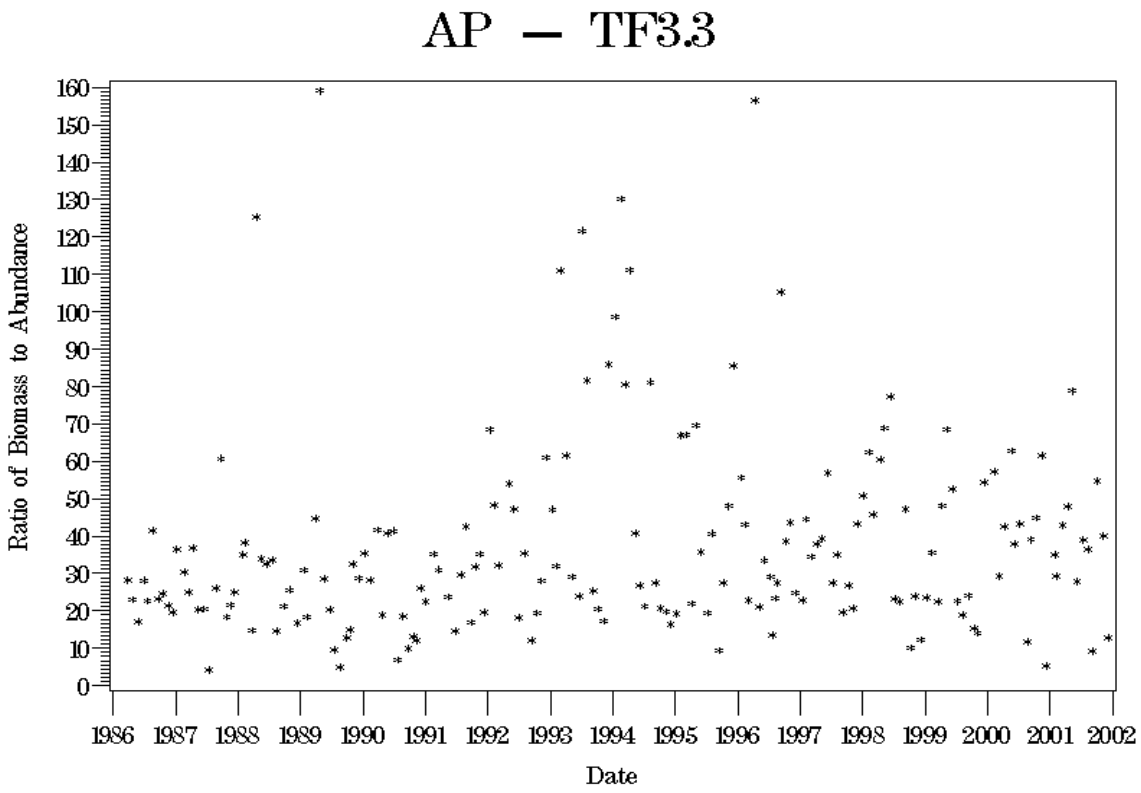

Figure F227. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station TF3.3 for the period of 1986 through 2001.

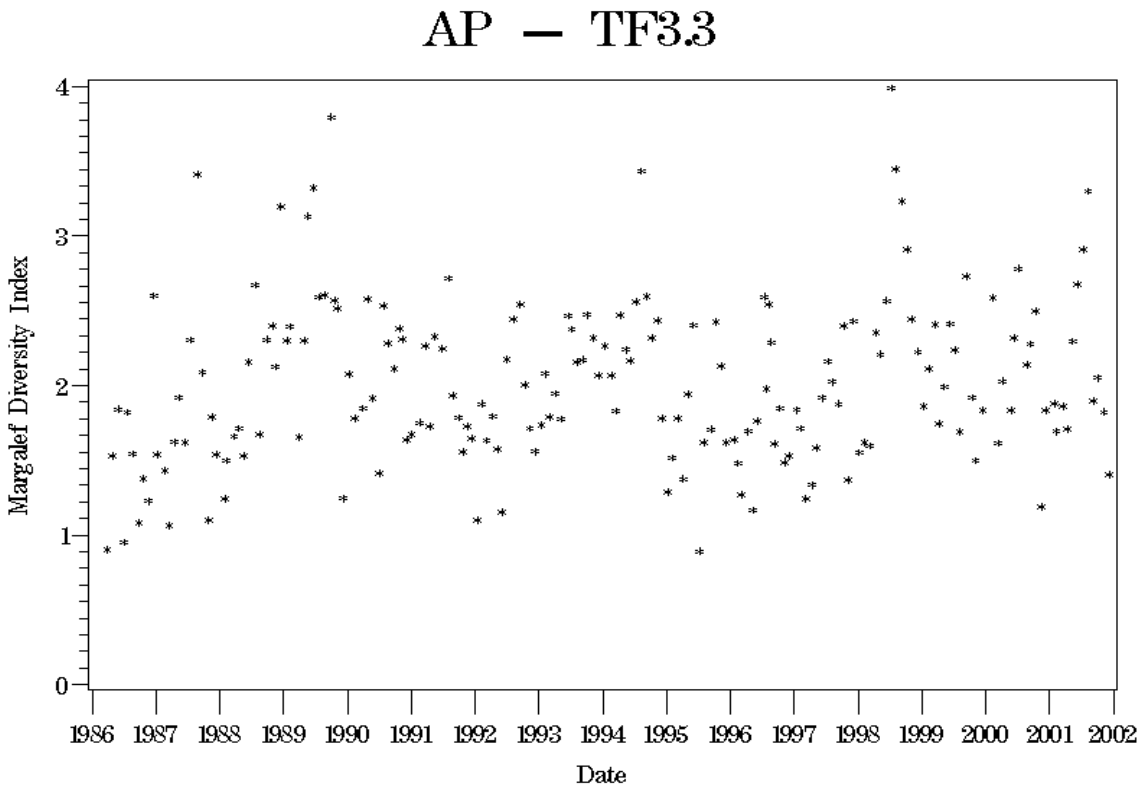

Figure F228. Plot of above pycnocline Margalef diversity index against time at station TF3.3 for the period of 1986 through 2001.

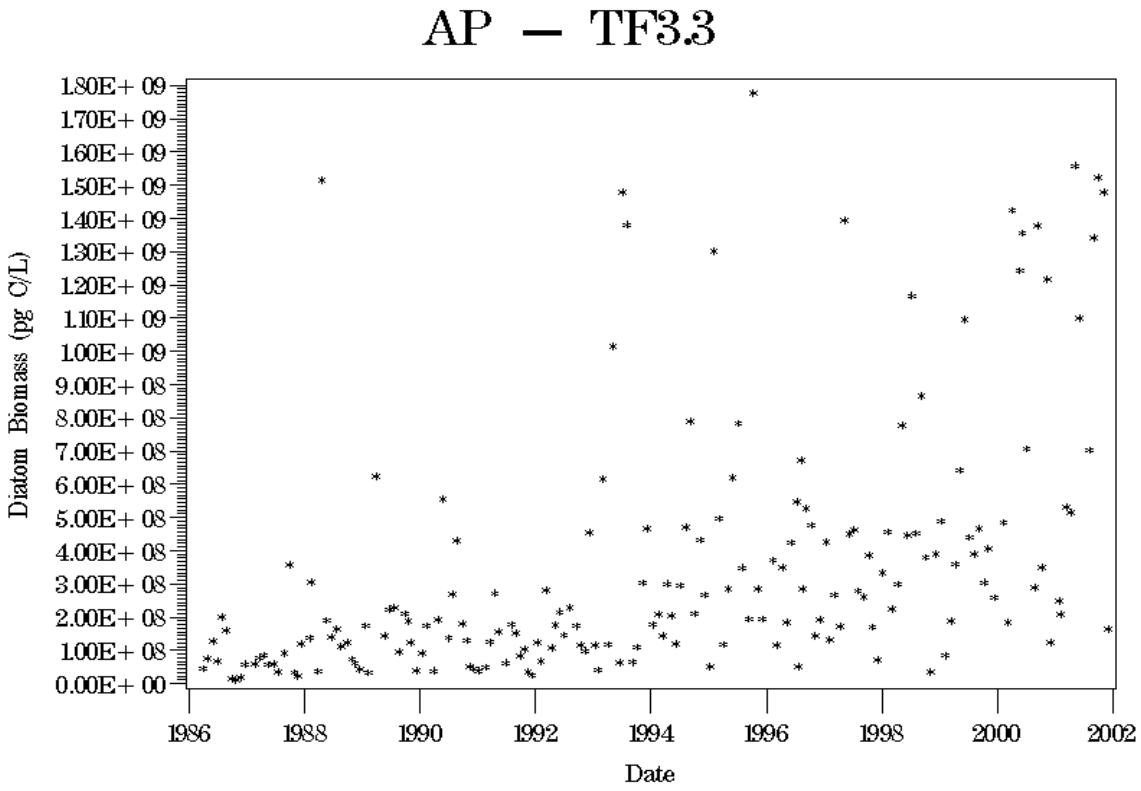

Figure F229. Plot of above pycnocline diatom biomass against time at station TF3.3 for the period of 1986 through 2001.

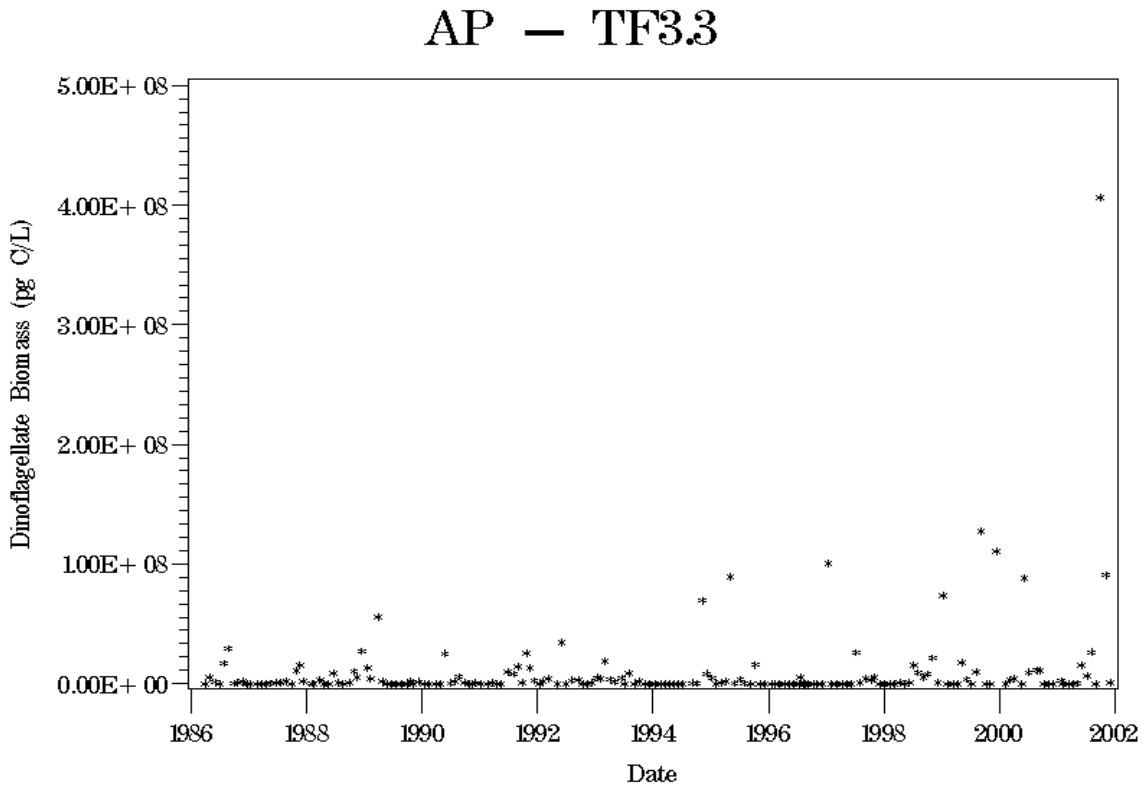

Figure F230. Plot of above pycnocline dinoflagellate biomass against time at station TF3.3 for the period of 1986 through 2001.

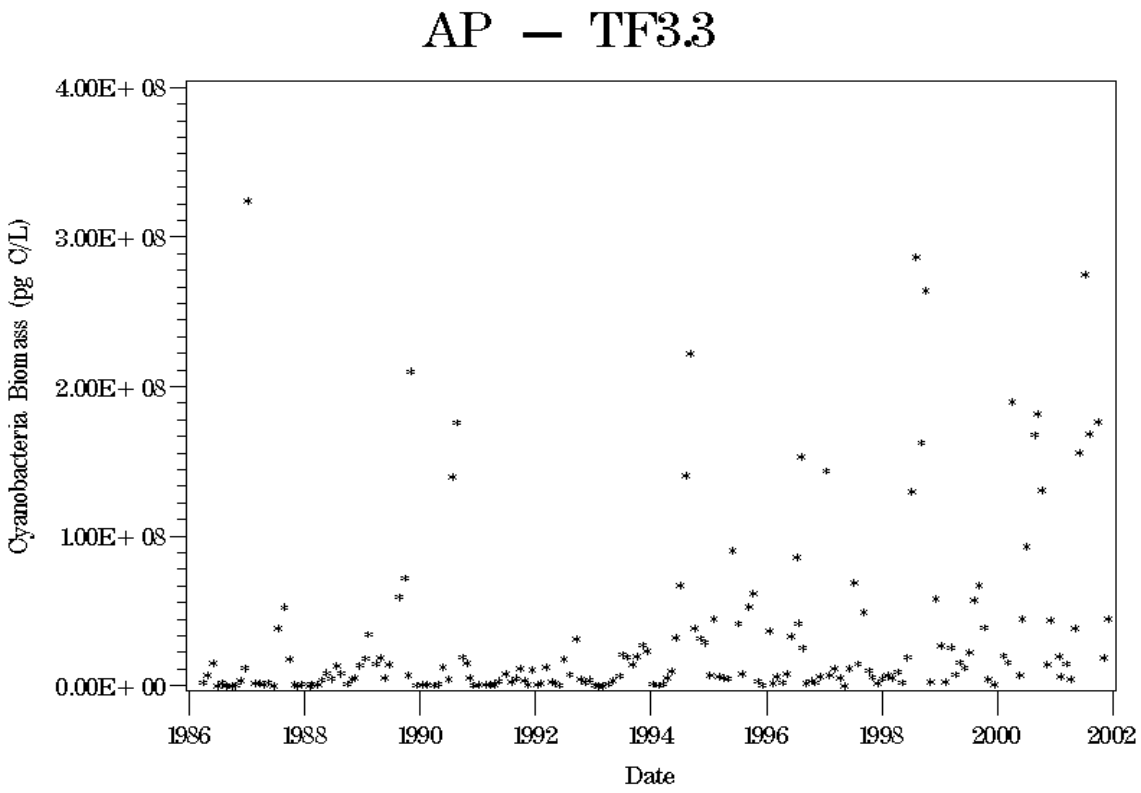

Figure F231. Plot of above pycnocline cyanobacteria biomass against time at station TF3.3 for the period of 1986 through 2001.

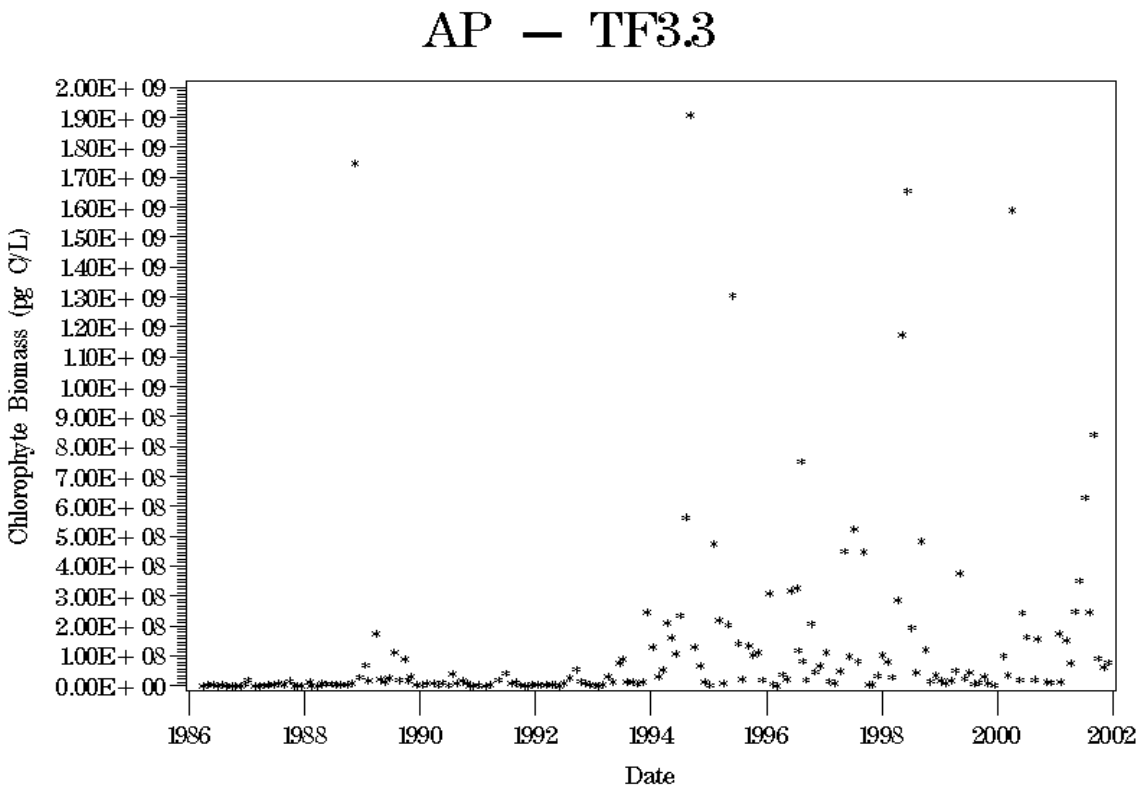

Figure F232. Plot of above pycnocline chlorophyte biomass against time at station TF3.3 for the period of 1986 through 2001.

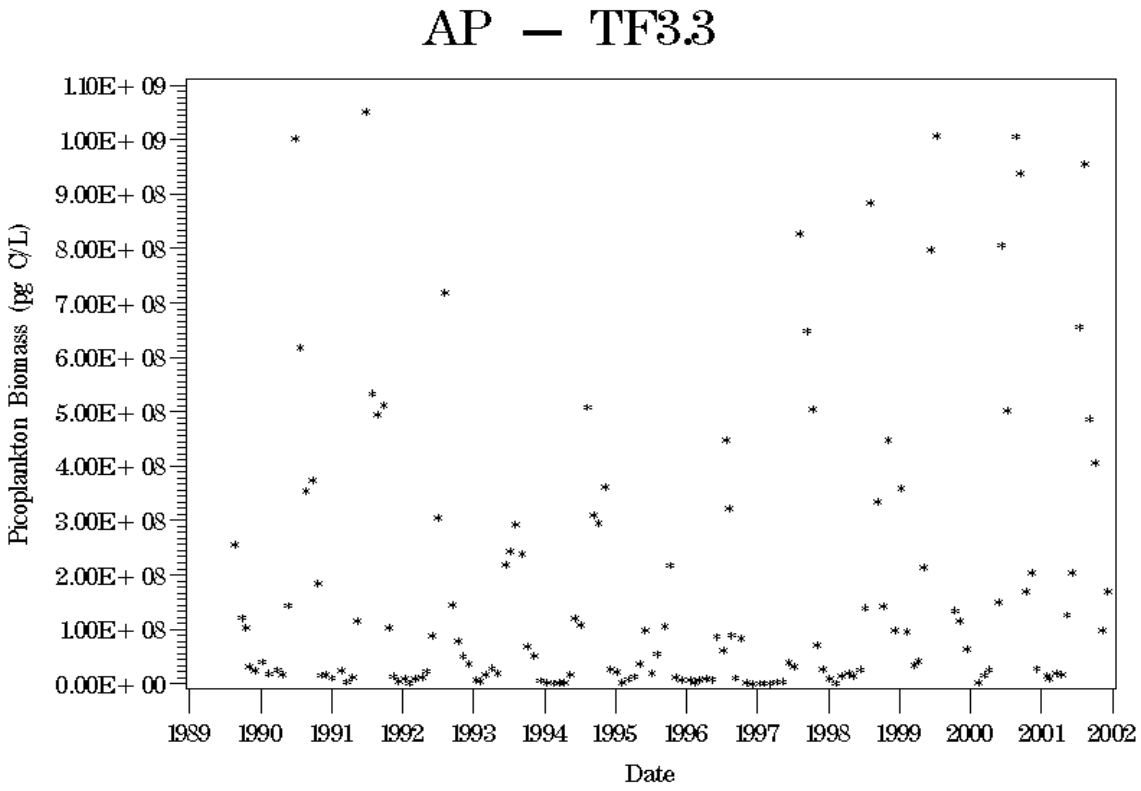

Figure F233. Plot of above pycnocline picoplankton biomass against time at station TF3.3 for the period of 1989 through 2001.

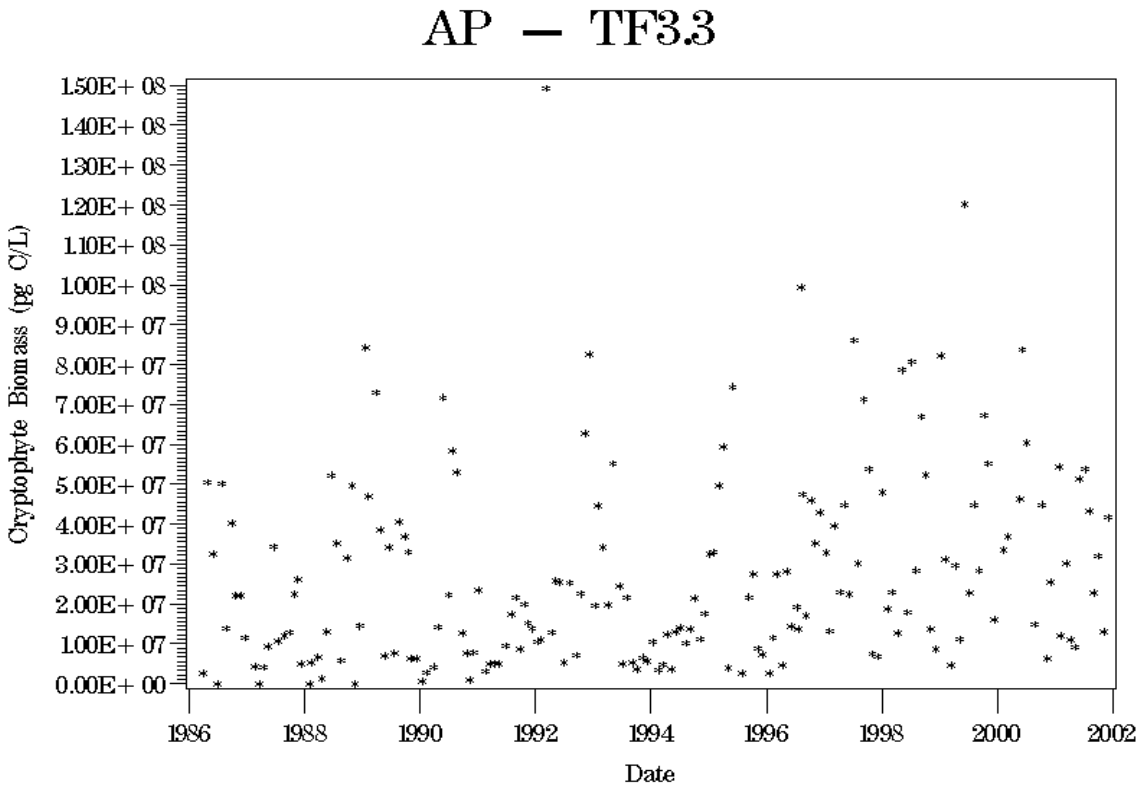

Figure F234. Plot of above pycnocline cryptophyte biomass at station TF3.3 for the period of 1986 through 2001.

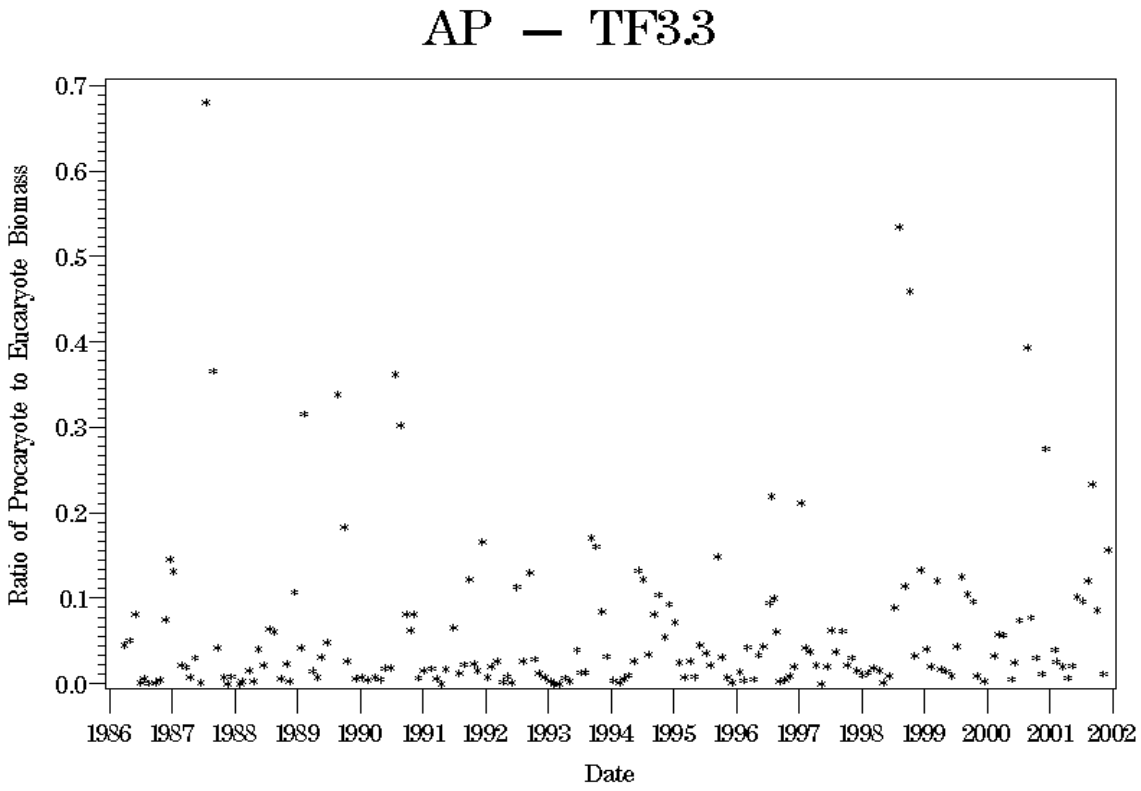

Figure F235. Plot of above pycnocline cyanophyte abundance at station TF3.3 for the period of 1986 through 2001.

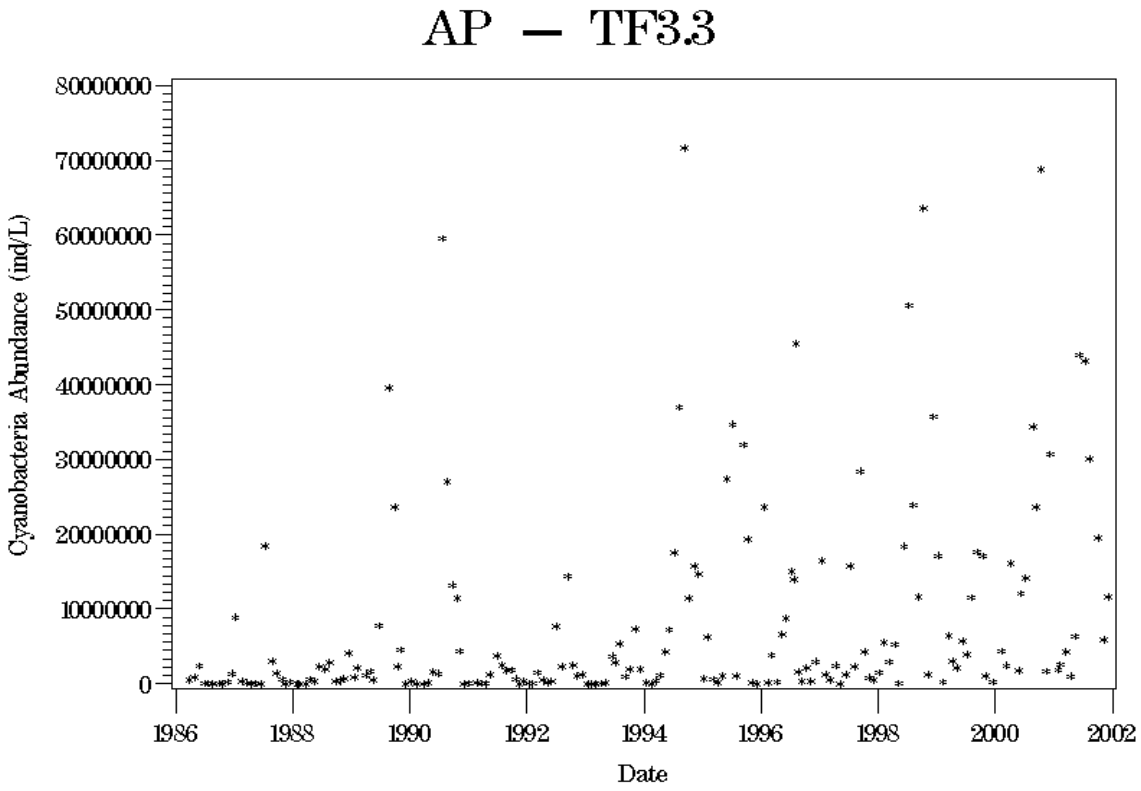

Figure F236. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station TF3.3 for the period of 1986 through 2001.

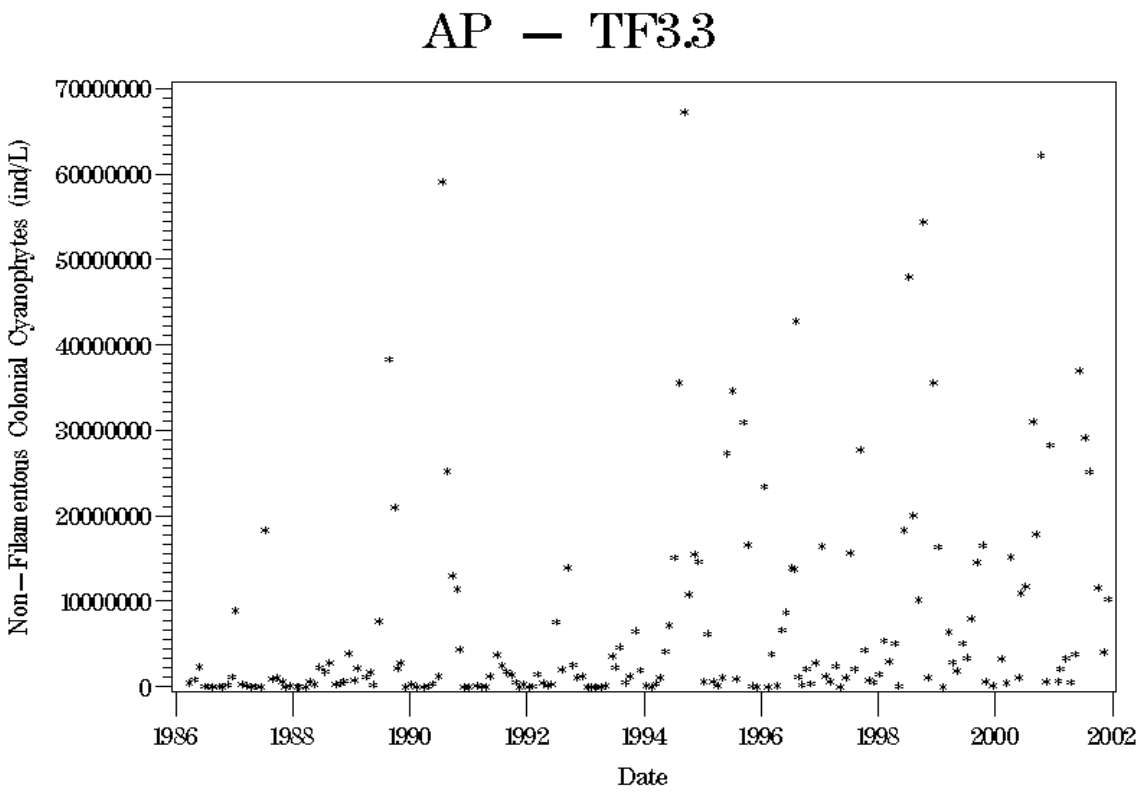

Figure F237. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station TF3.3 for the period of 1986 through 2001.

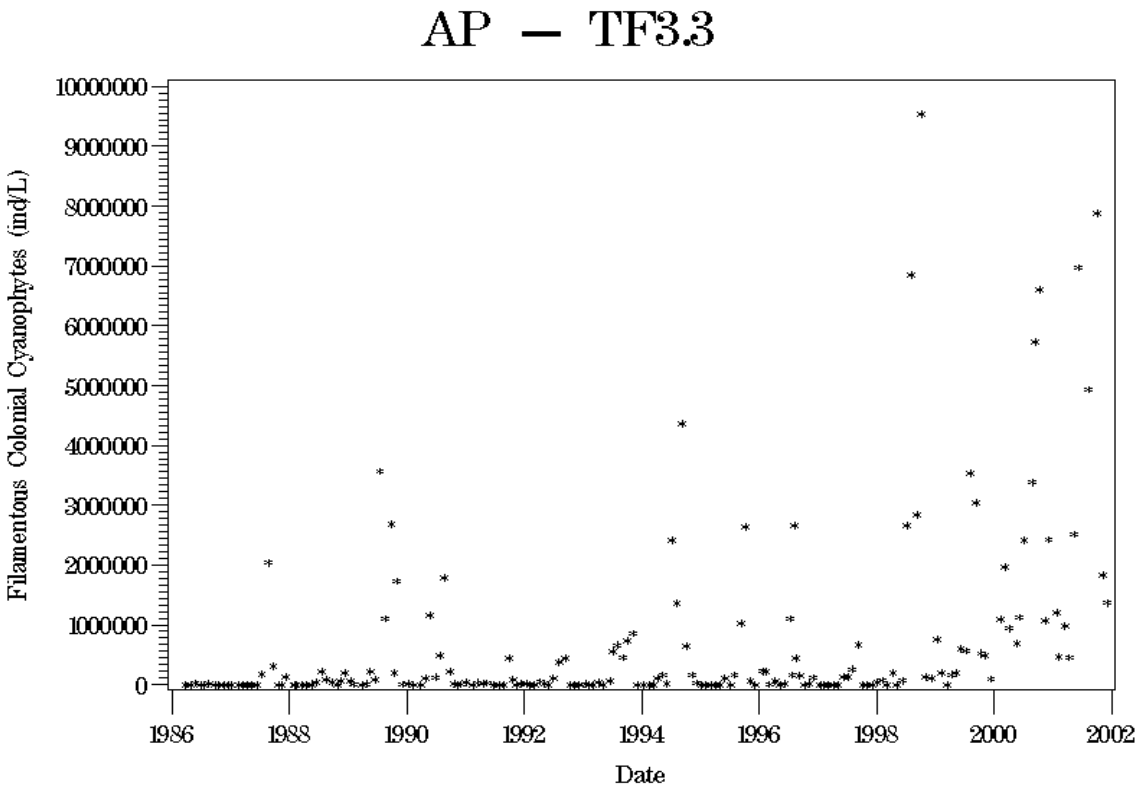

Figure F238. Plot of above pycnocline filamentous colonial cyanophyte abundance at station TF3.3 for the period of 1986 through 2001.

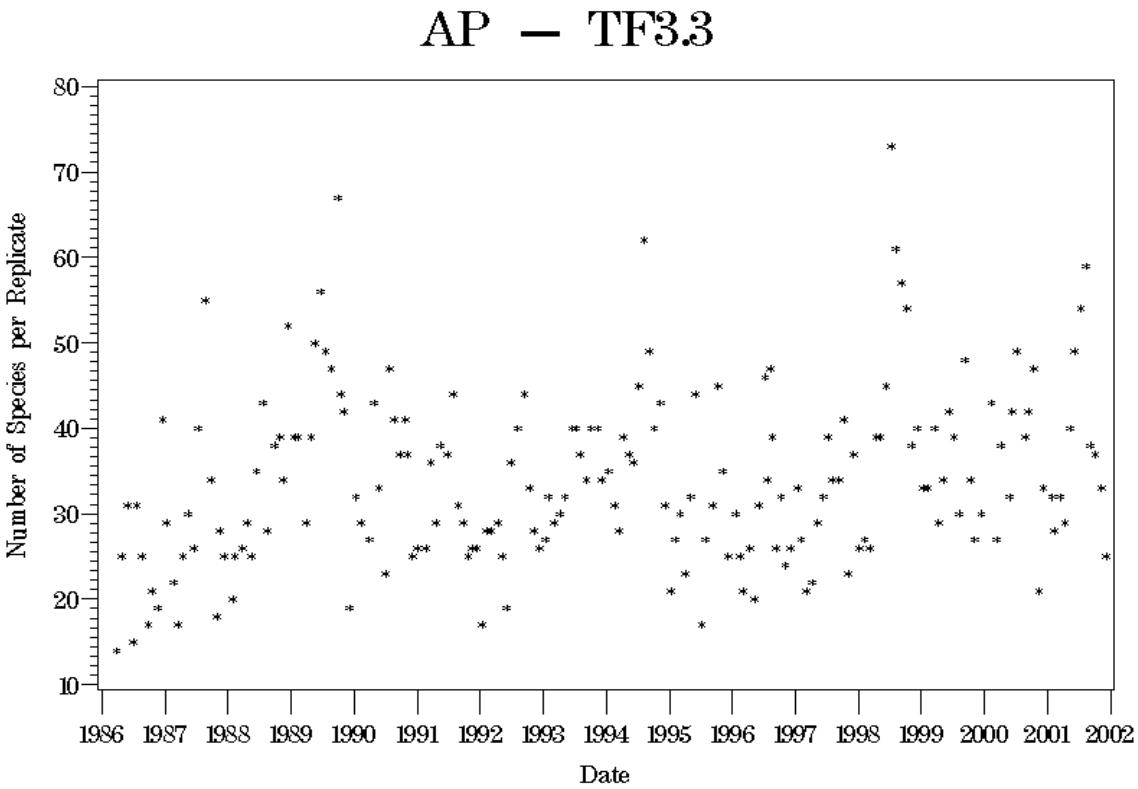

Figure F239. Plot of above pycnocline number of species per replicate at station TF3.3 for the period of 1986 through 2001.

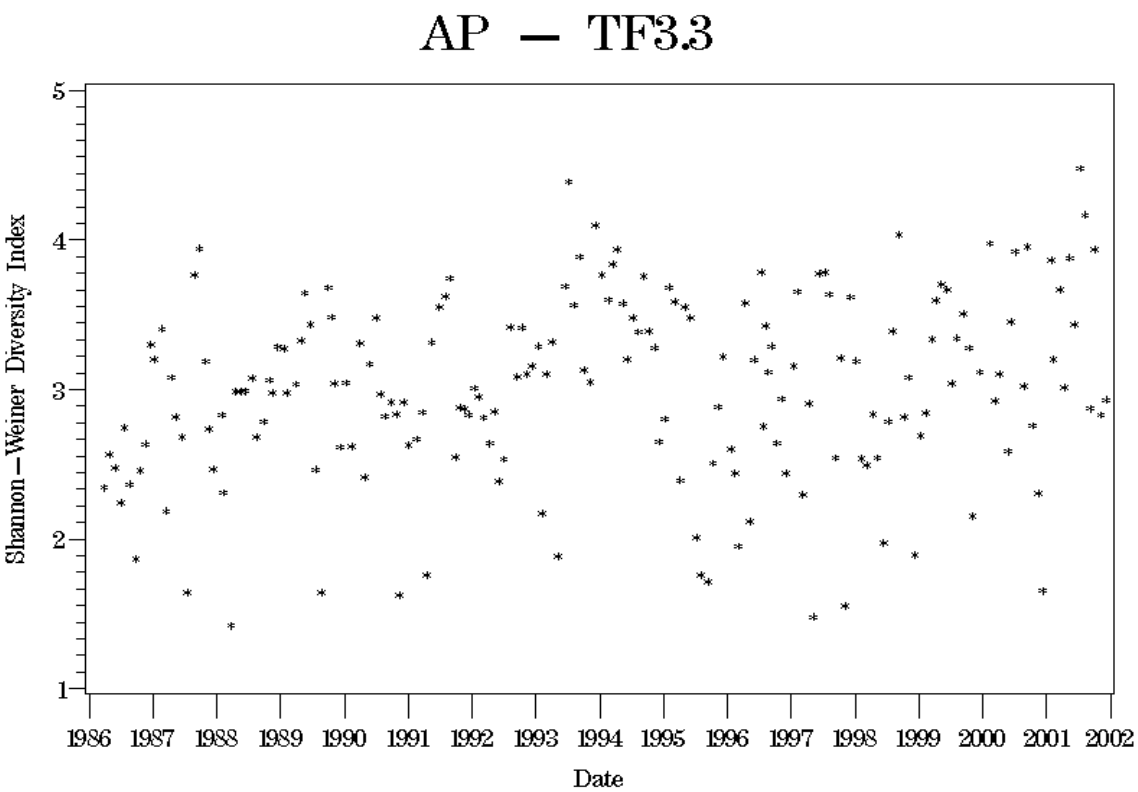

Figure F240. Plot of above pycnocline Shannon-Weiner diversity index at station TF3.3 for the period of 1986 through 2001.

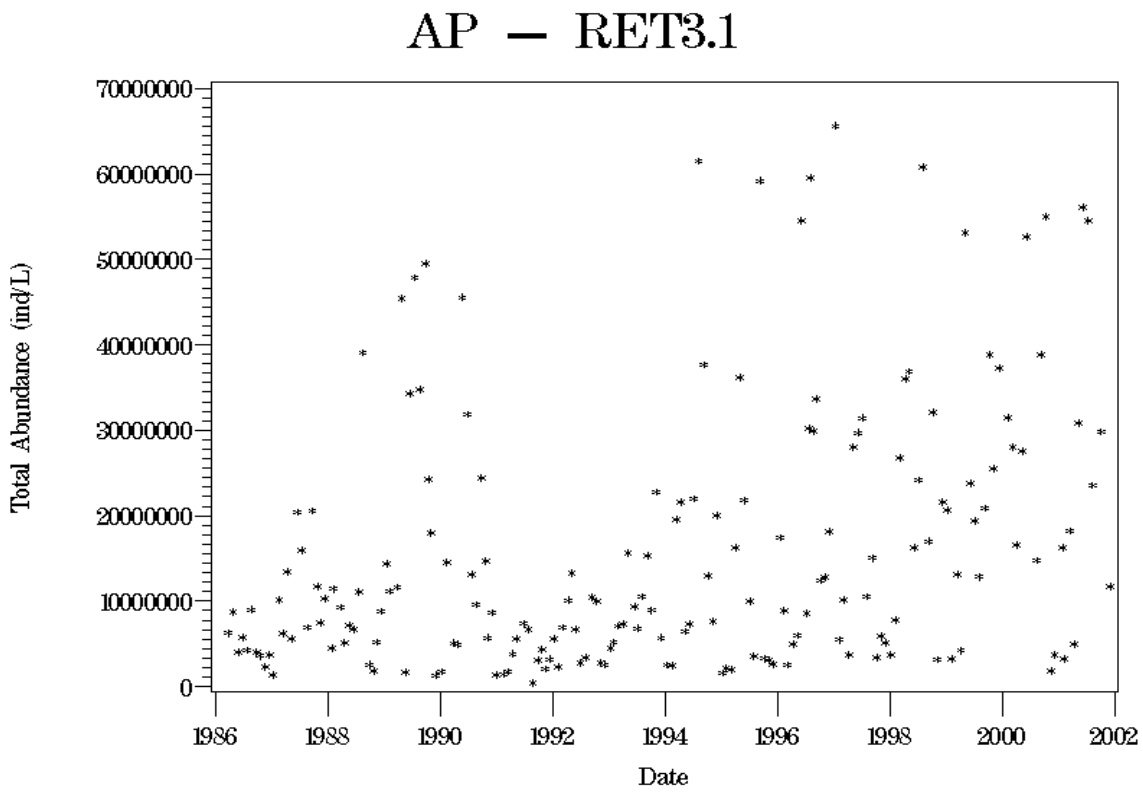

Figure F241. Plot of above pycnocline total phytoplankton abundance against time at station RET3.1 for the period of 1986 through 2001.

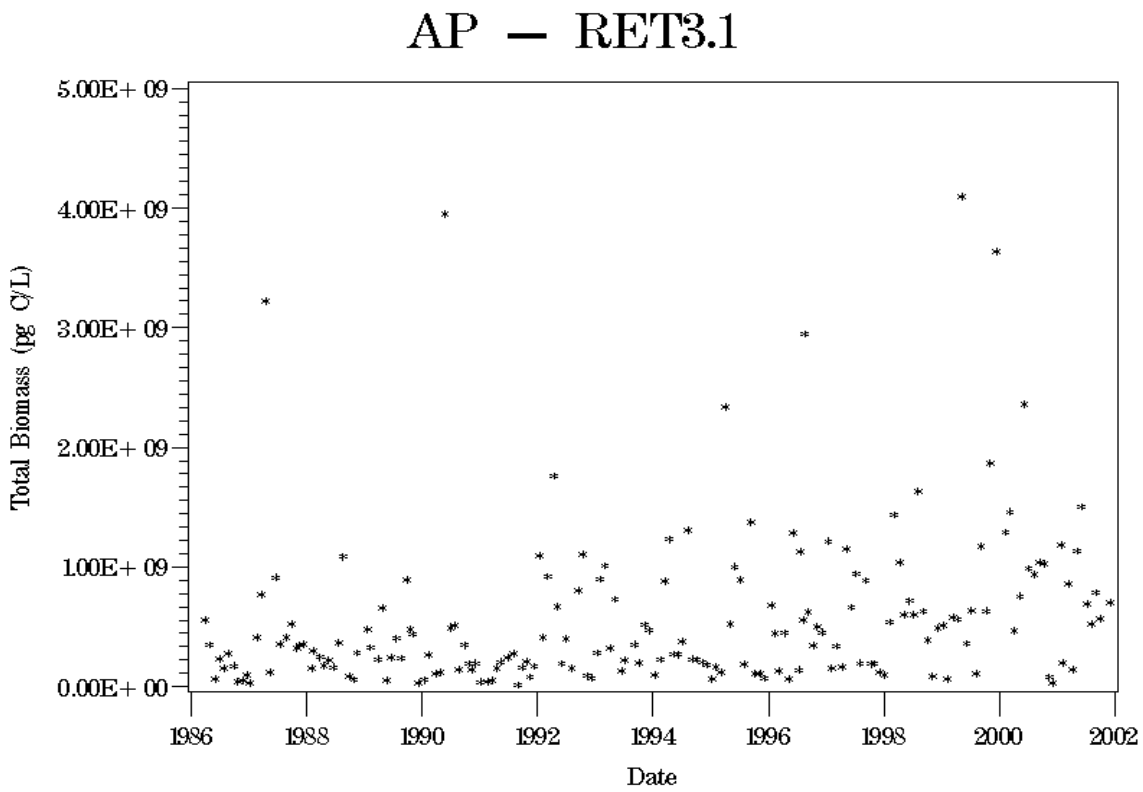

Figure F242. Plot of above pycnocline total phytoplankton biomass against time at station RET3.1 for the period of 1986 through 2001.

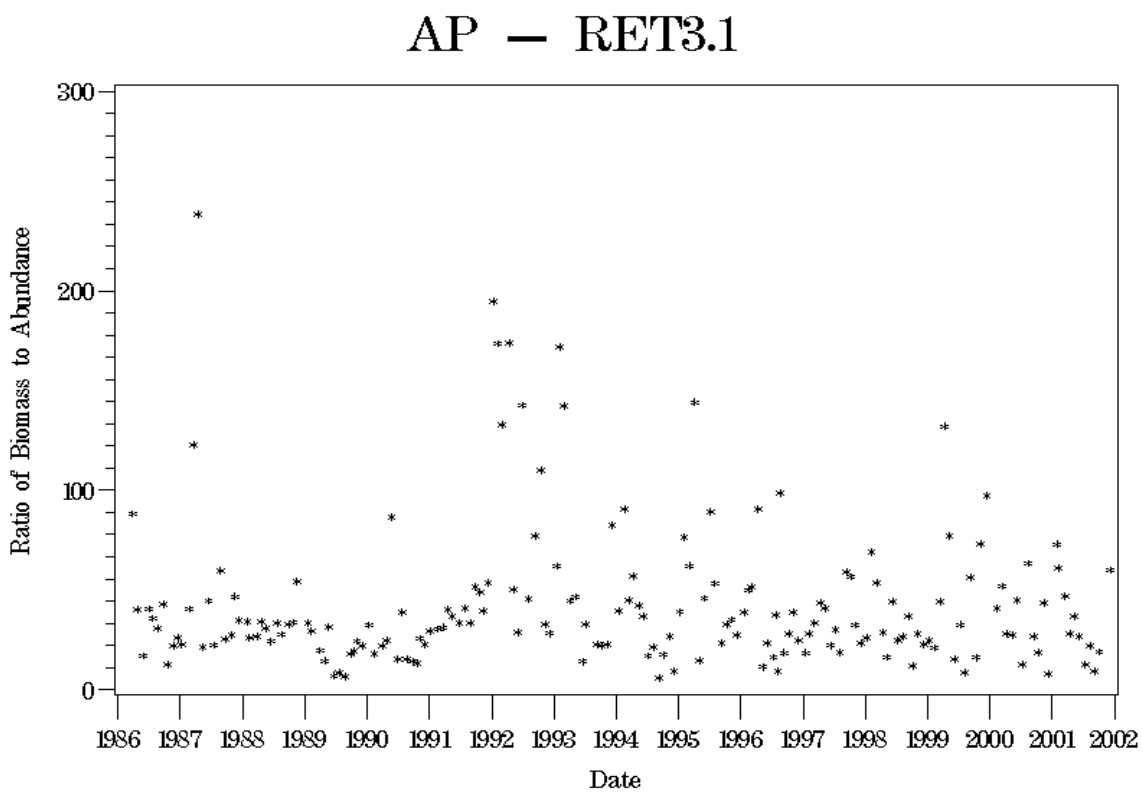

Figure F243. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station RET3.1 for the period of 1986 through 2001.

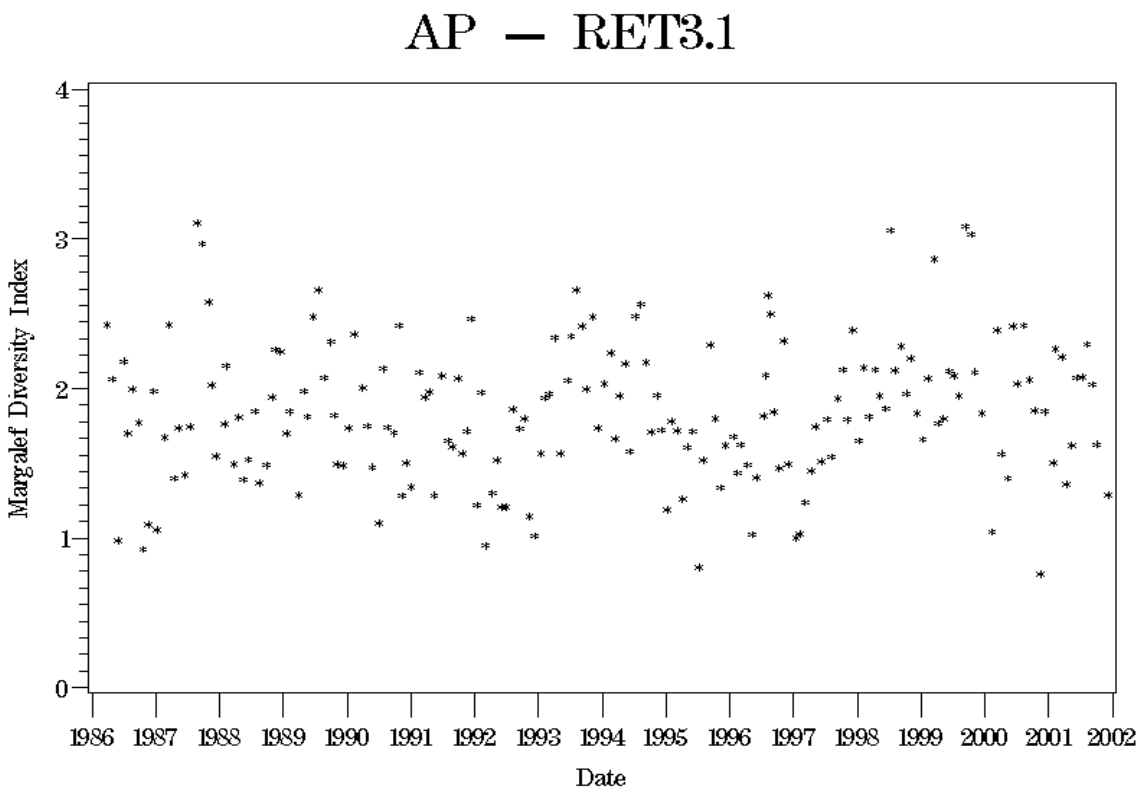

Figure F244. Plot of above pycnocline Margalef diversity index against time at station RET3.1 for the period of 1986 through 2001.

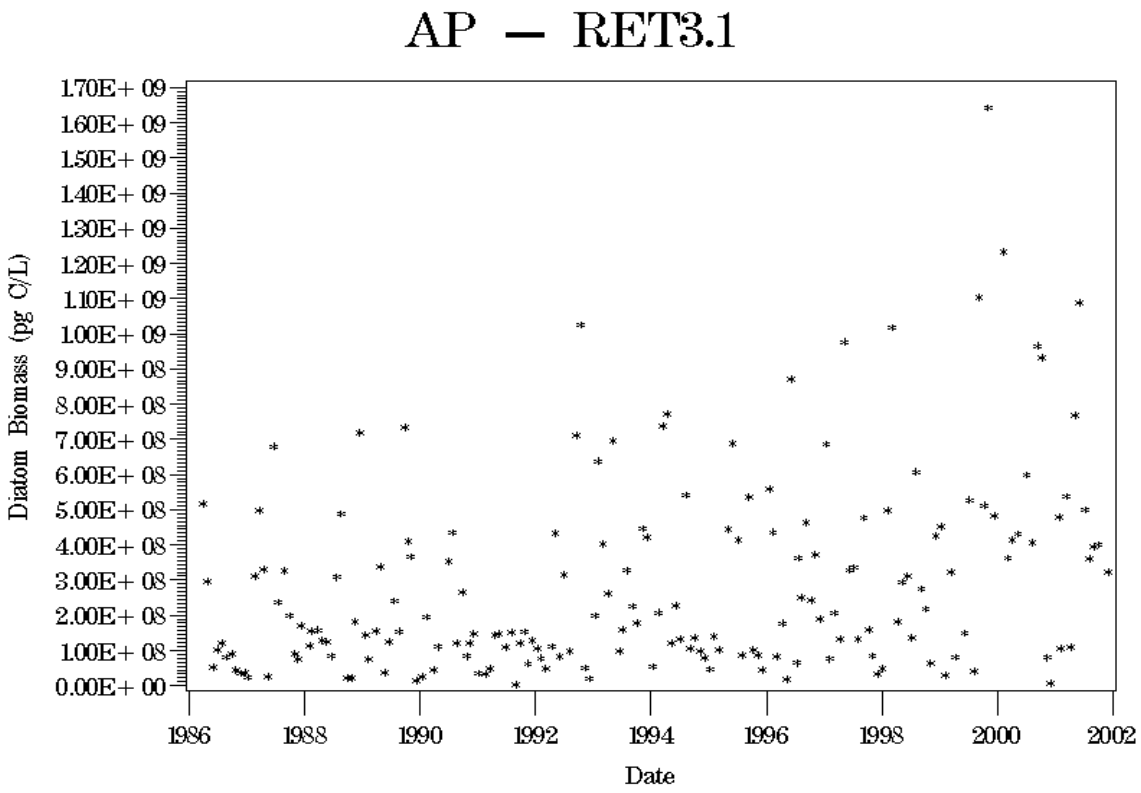

Figure F245. Plot of above pycnocline diatom biomass against time at station RET3.1 for the period of 1986 through 2001.

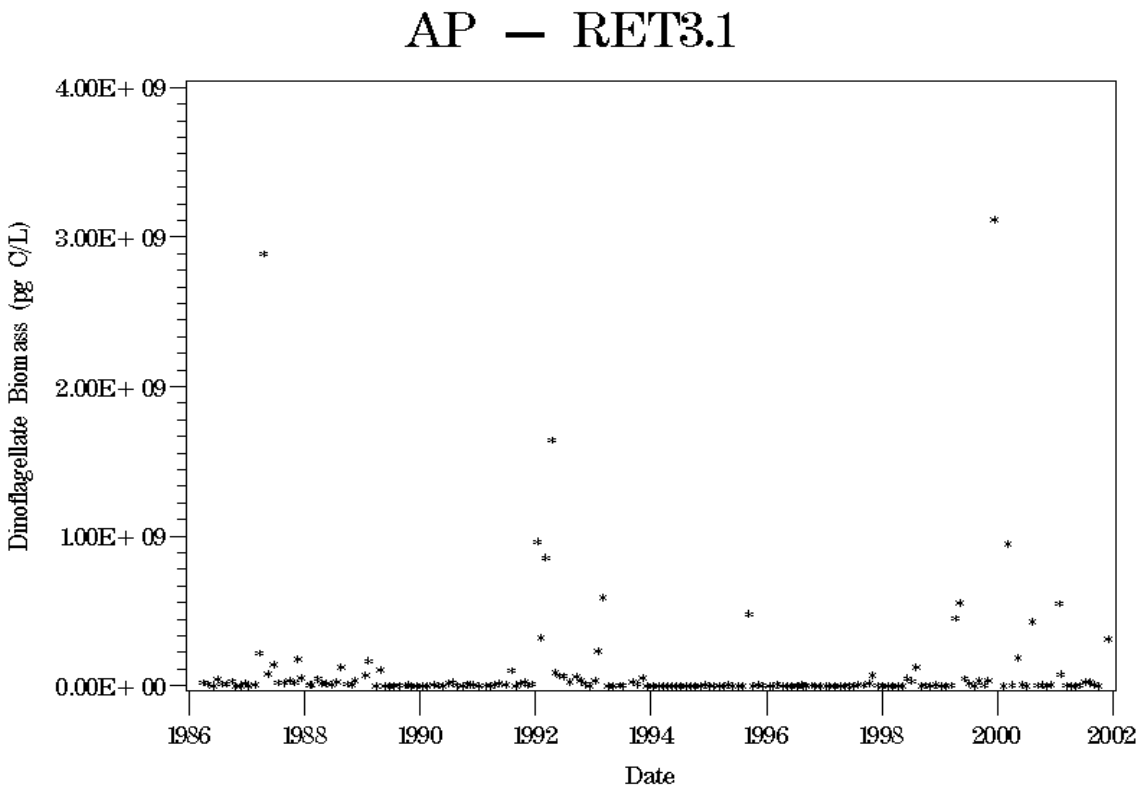

Figure F246. Plot of above pycnocline dinoflagellate biomass against time at station RET3.1 for the period of 1986 through 2001.

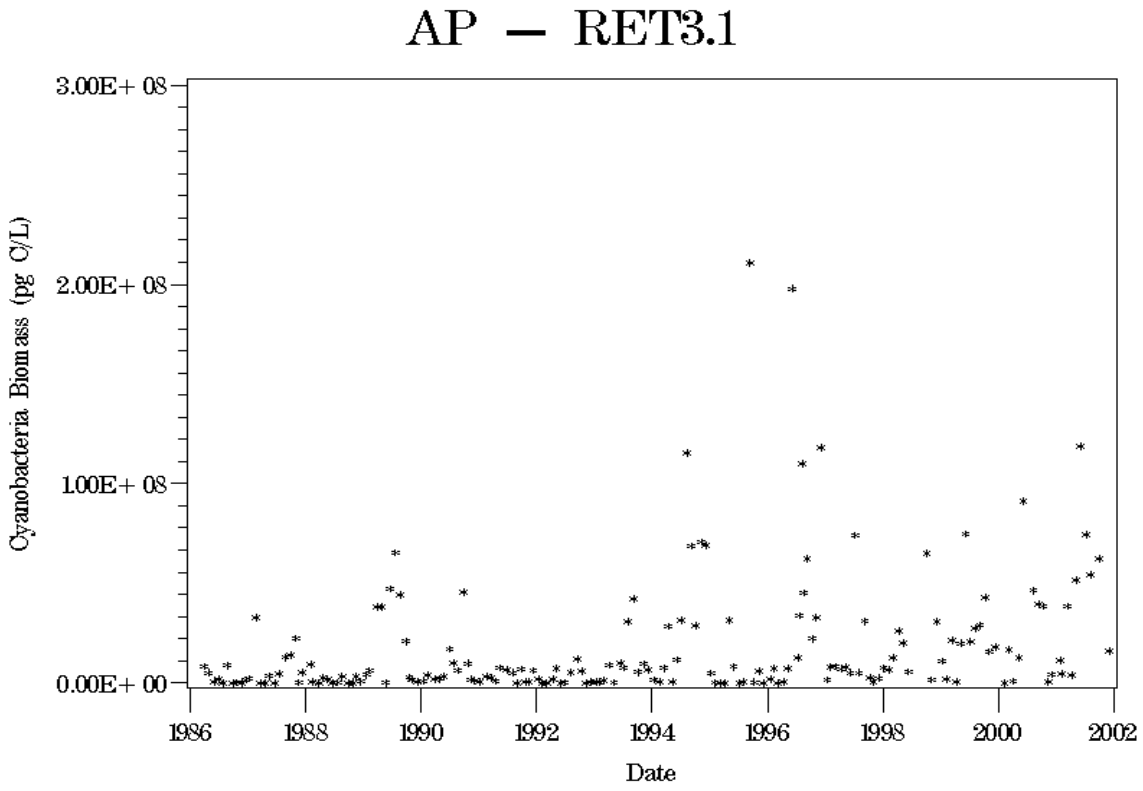

Figure F247. Plot of above pycnocline cyanobacteria biomass against time at station RET3.1 for the period of 1986 through 2001.

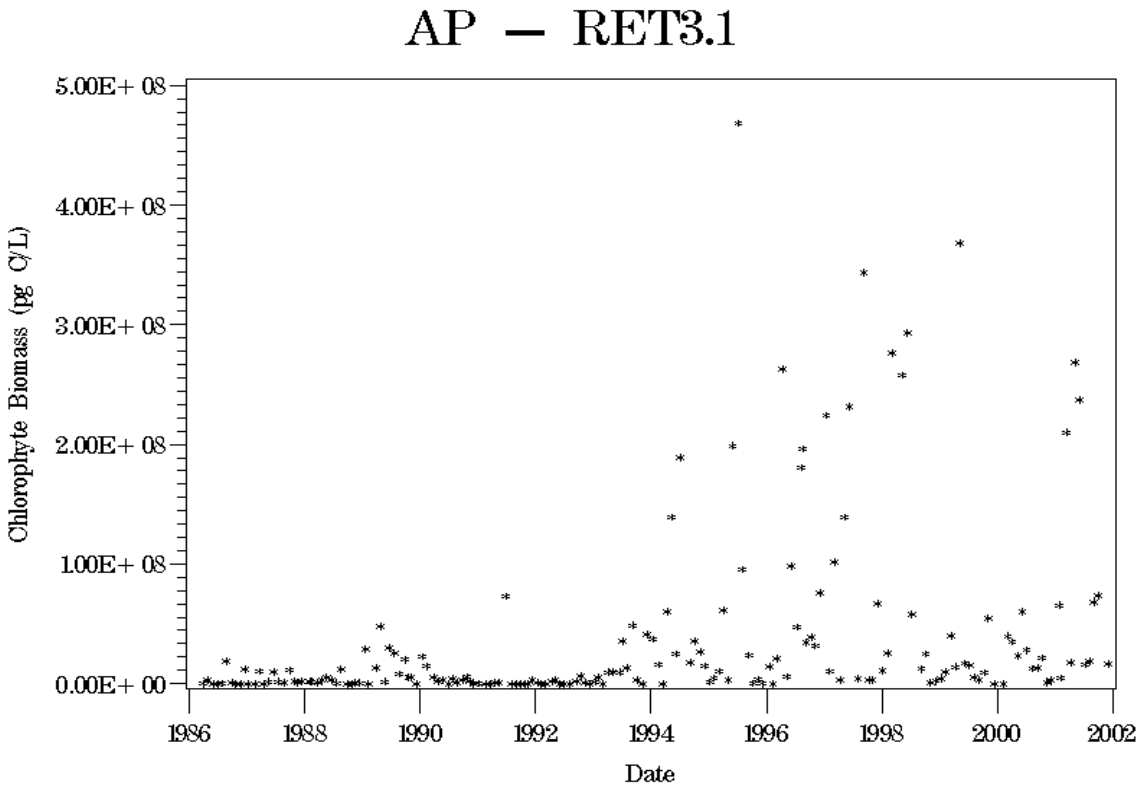

Figure F248. Plot of above pycnocline chlorophyte biomass against time at station RET3.1 for the period of 1986 through 2001.

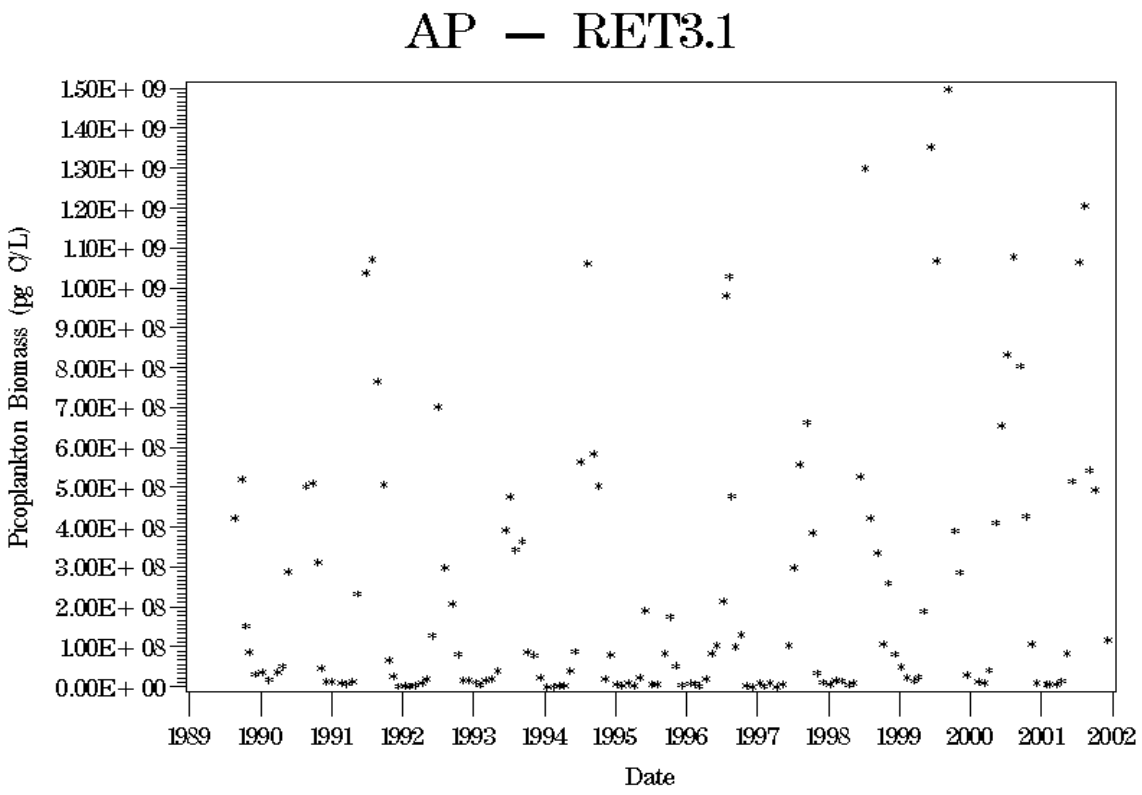

Figure F249. Plot of above pycnocline picoplankton biomass against time at station RET3.1 for the period of 1989 through 2001.

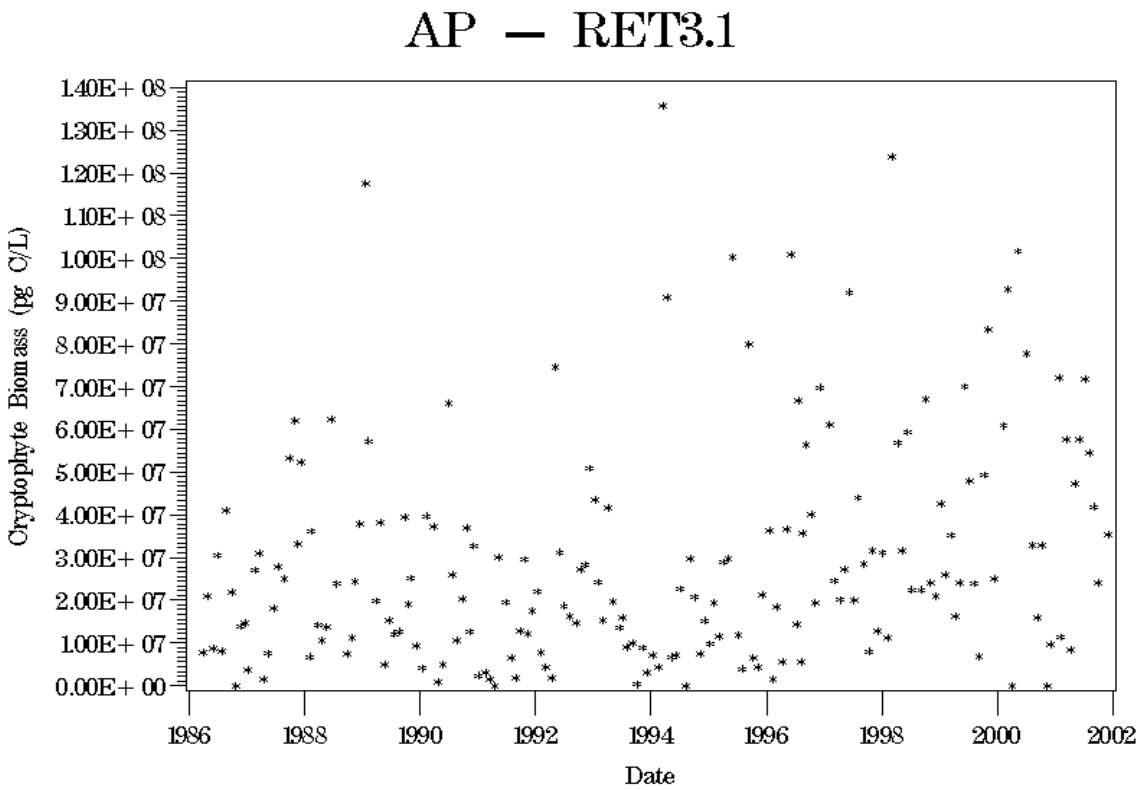

Figure F250. Plot of above pycnocline cryptophyte biomass at station RET3.1 for the period of 1986 through 2001.

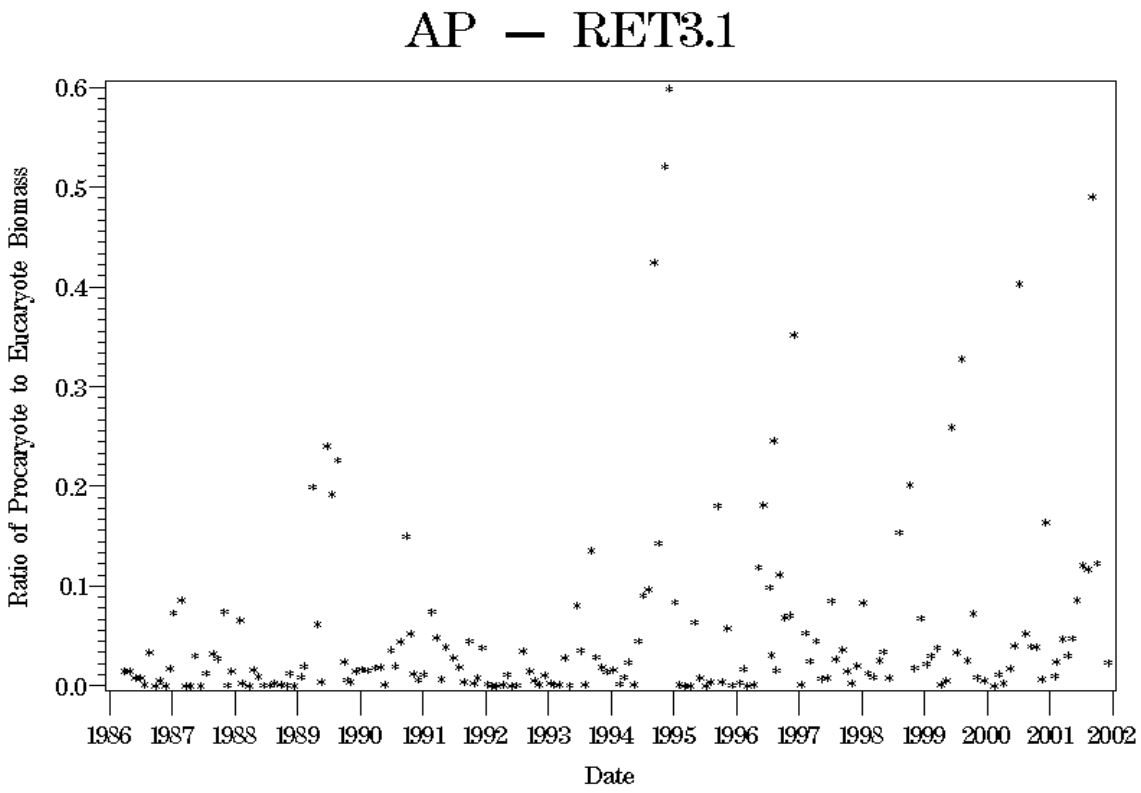

Figure F251. Plot of above pycnocline cyanophyte abundance at station RET3.1 for the period of 1986 through 2001.

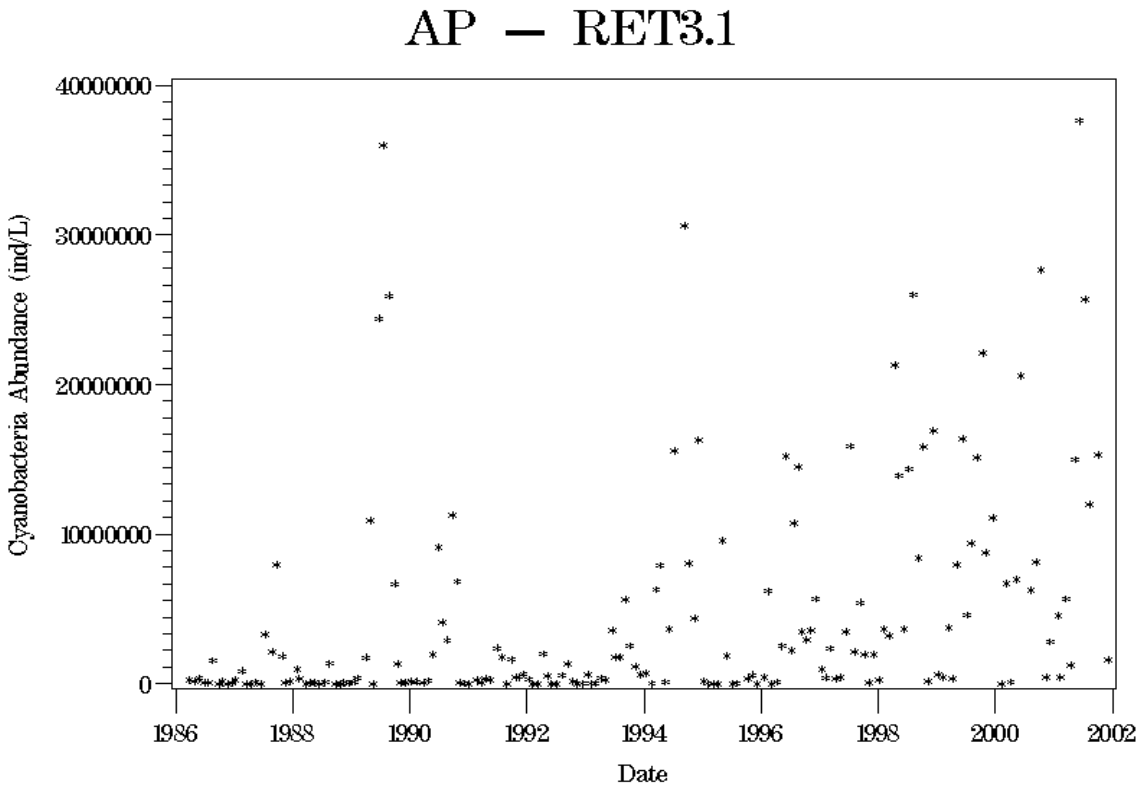

Figure F252. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station RET3.1 for the period of 1986 through 2001.

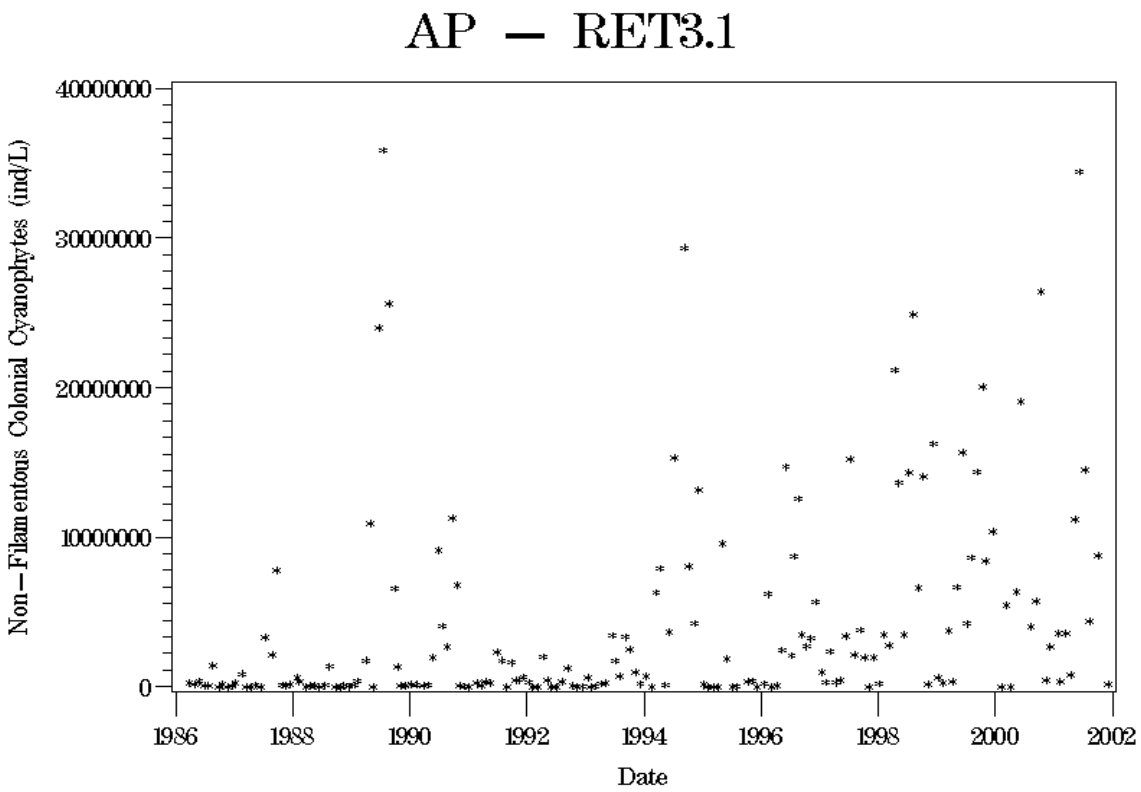

Figure F253. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station RET3.1 for the period of 1986 through 2001.

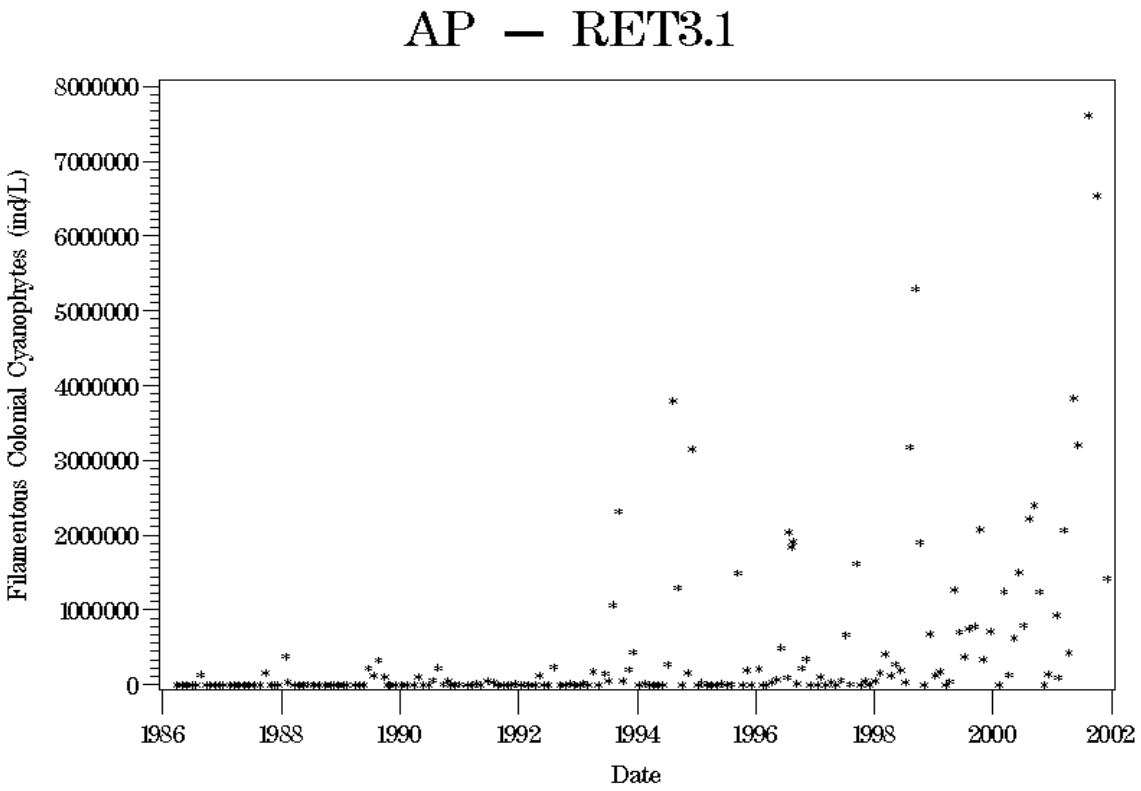

Figure F254. Plot of above pycnocline filamentous colonial cyanophyte abundance at station RET3.1 for the period of 1986 through 2001.

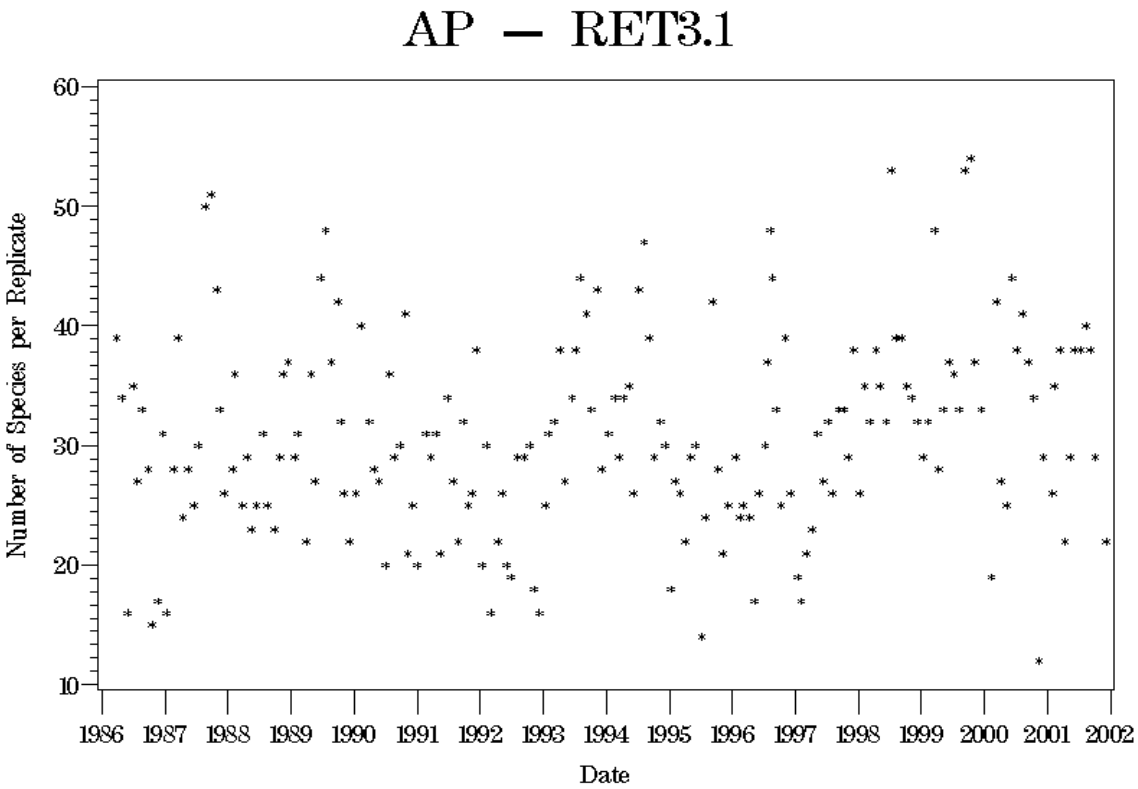

Figure F255. Plot of above pycnocline number of species per replicate at station RET3.1 for the period of 1986 through 2001.

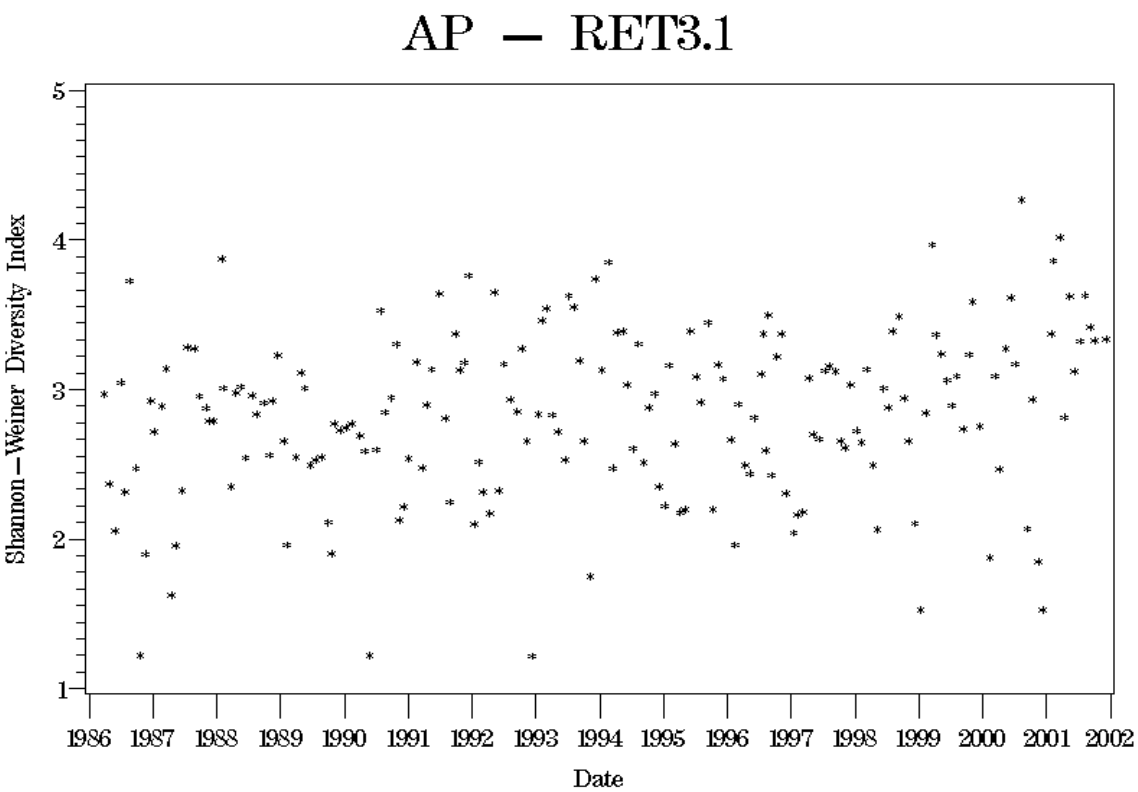

Figure F256. Plot of above pycnocline Shannon-Weiner diversity index at station RET3.1 for the period of 1986 through 2001.

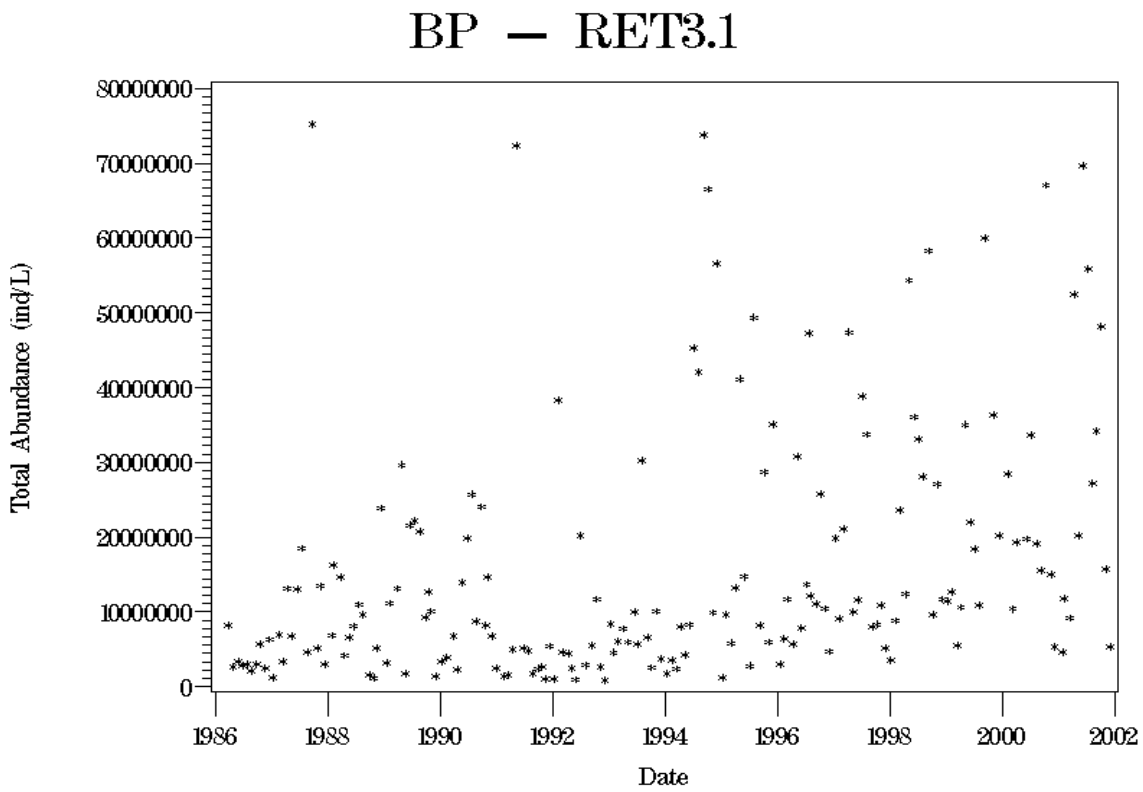

Figure F257. Plot of below pycnocline total phytoplankton abundance against time at station RET3.1 for the period of 1986 through 2001.

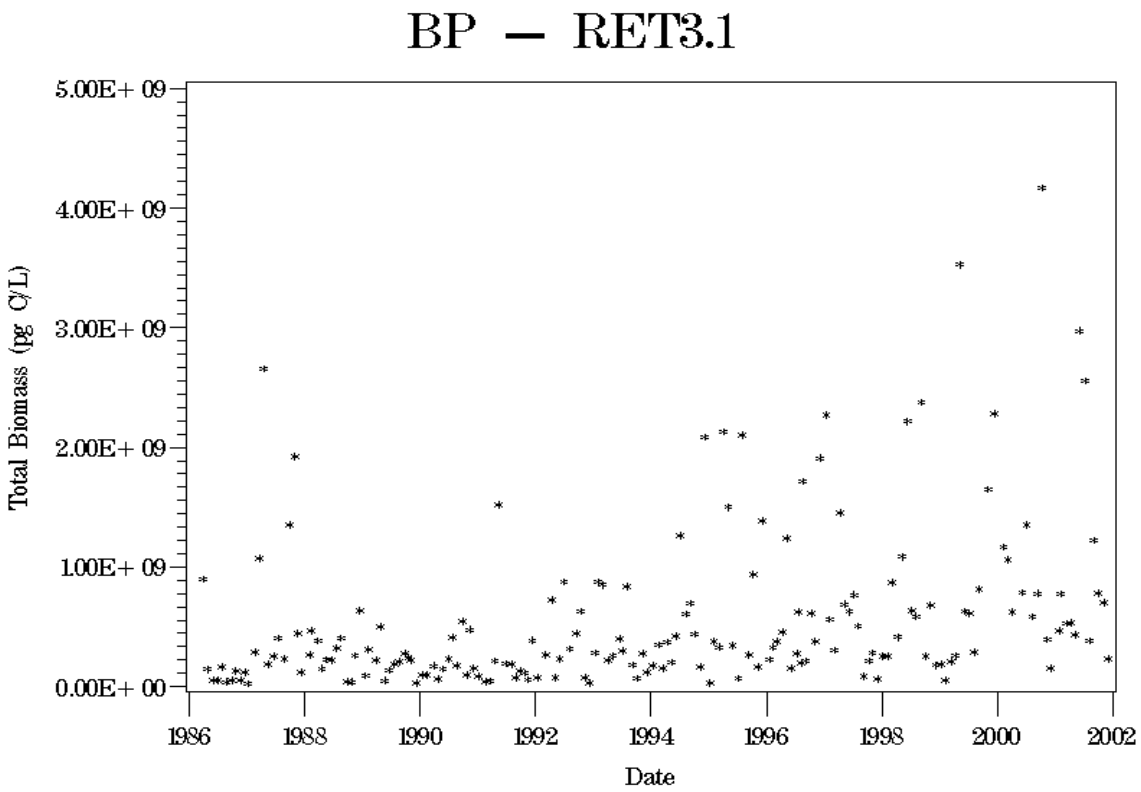

Figure F258. Plot of below pycnocline total phytoplankton biomass against time at station RET3.1 for the period of 1986 through 2001.

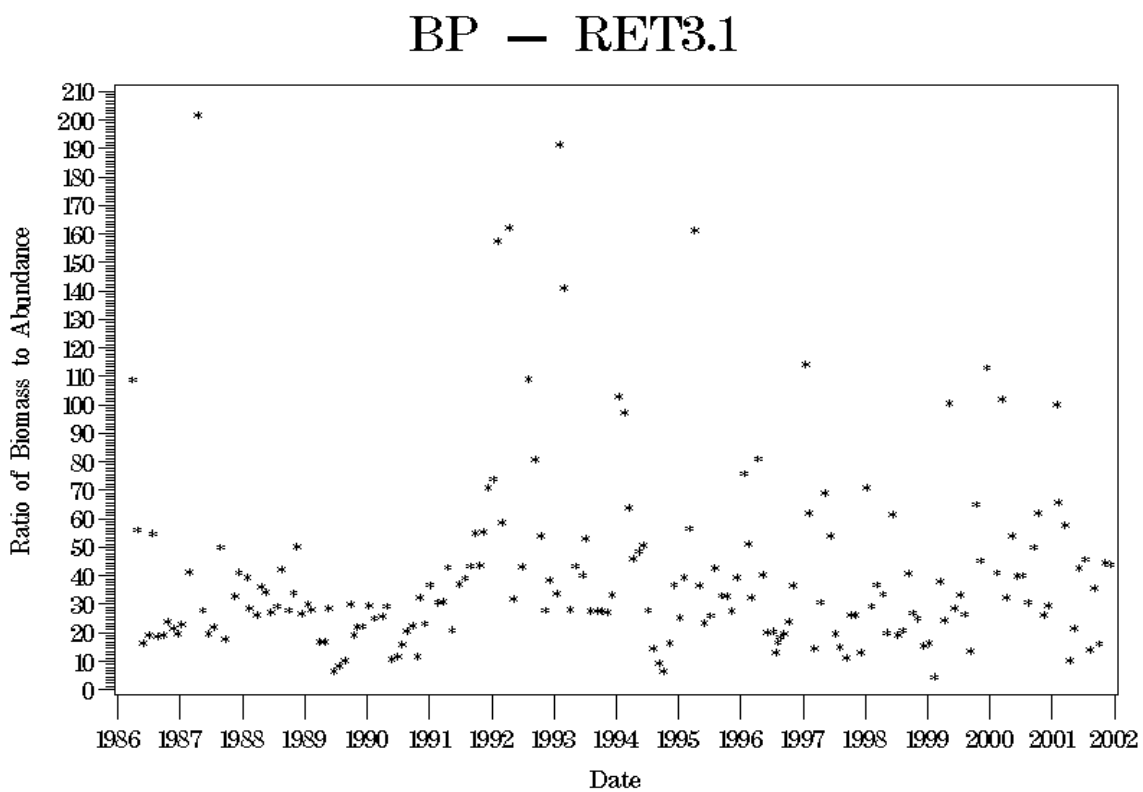

Figure F259. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station RET3.1 for the period of 1986 through 2001.

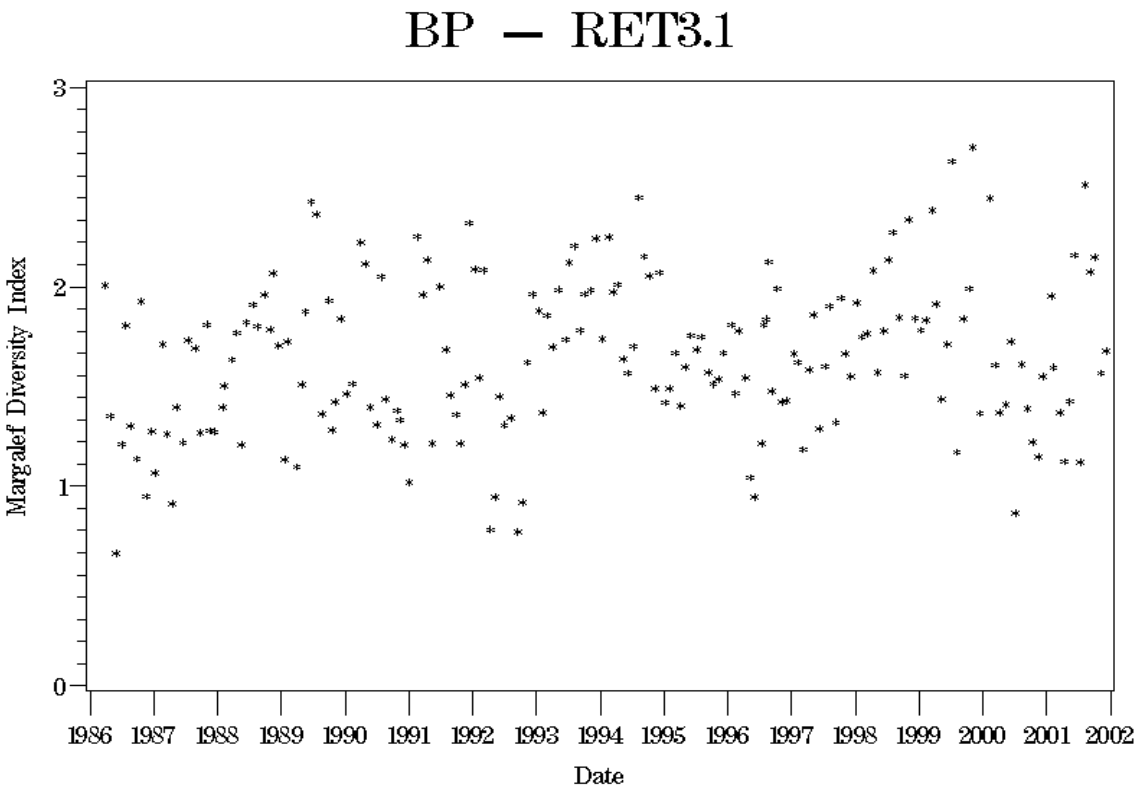

Figure F260. Plot of below pycnocline Margalef diversity index against time at station RET3.1 for the period of 1986 through 2001.

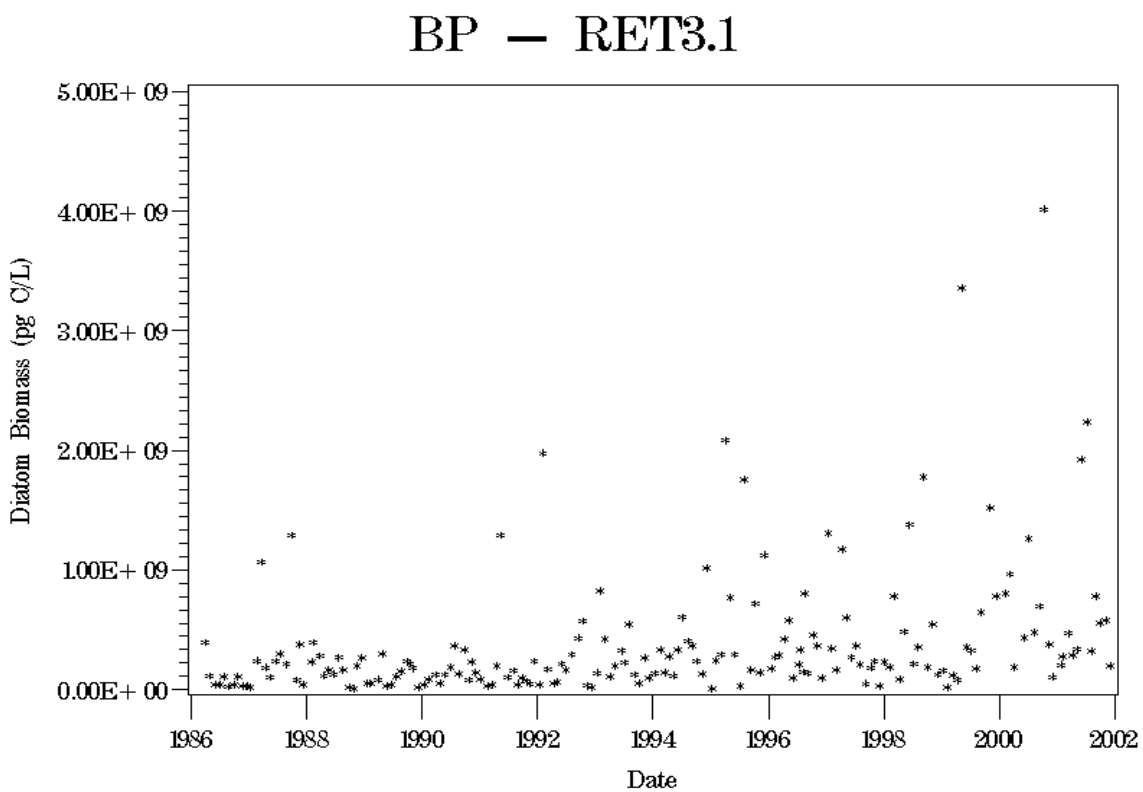

Figure F261. Plot of below pycnocline diatom biomass against time at station RET3.1 for the period of 1986 through 2001.

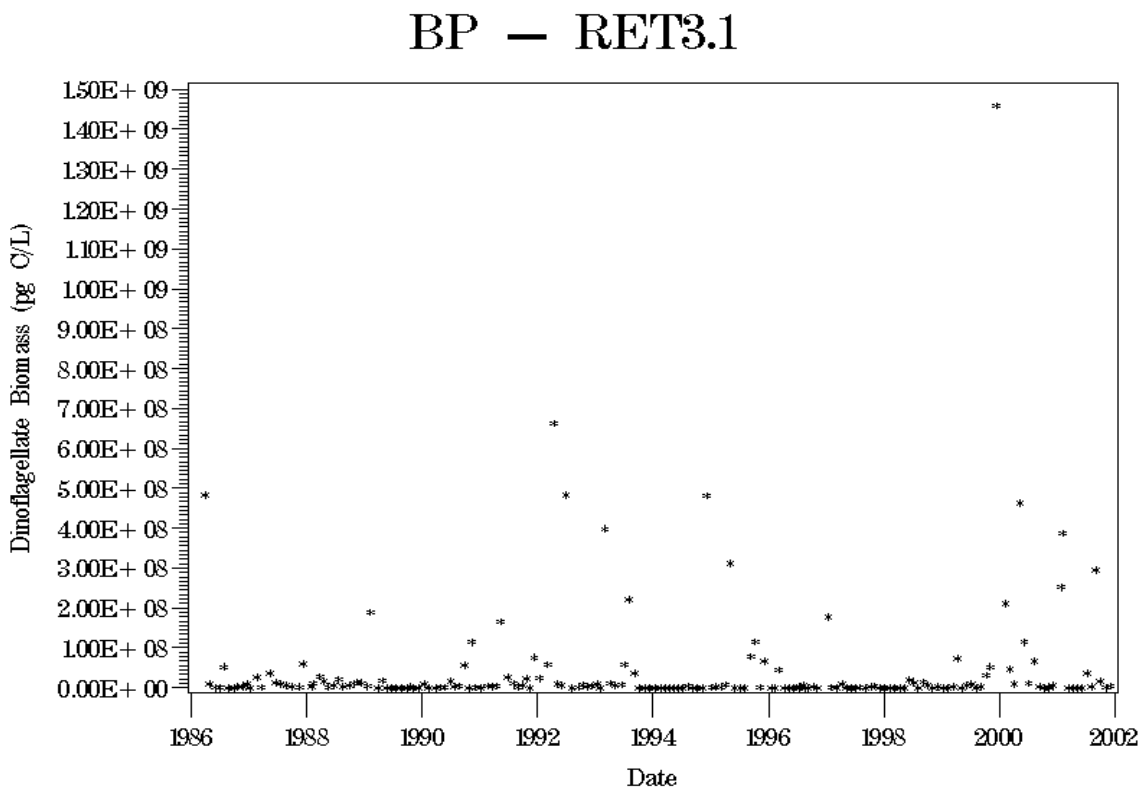

Figure F262. Plot of below pycnocline dinoflagellate biomass against time at station RET3.1 for the period of 1986 through 2001.

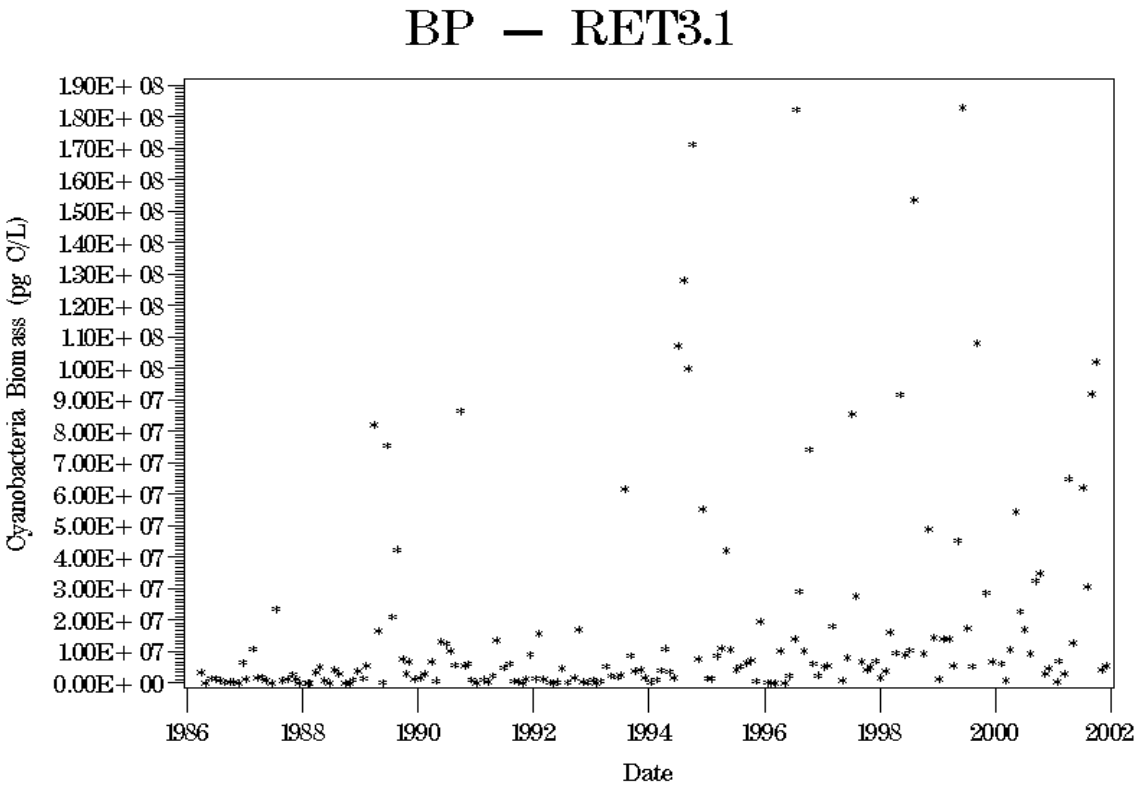

Figure F263. Plot of below pycnocline cyanobacteria biomass against time at station RET3.1 for the period of 1986 through 2001.

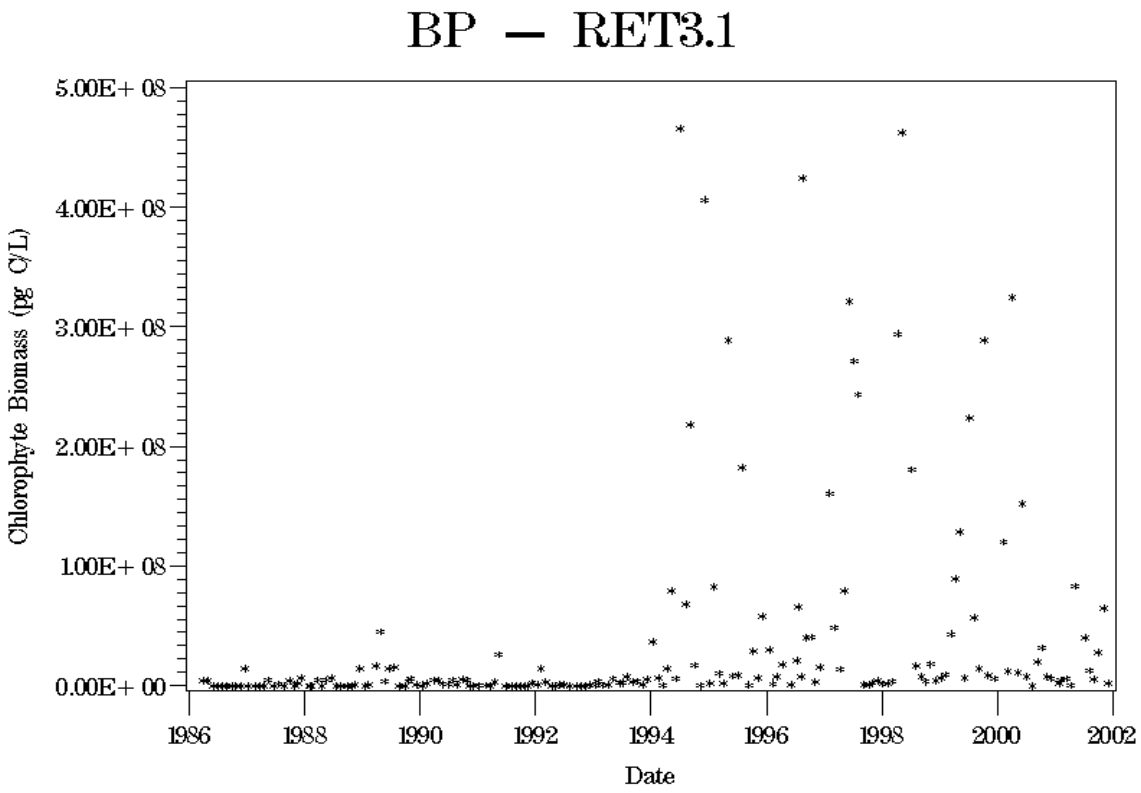

Figure F264. Plot of below pycnocline chlorophyte biomass against time at station RET3.1 for the period of 1986 through 2001.

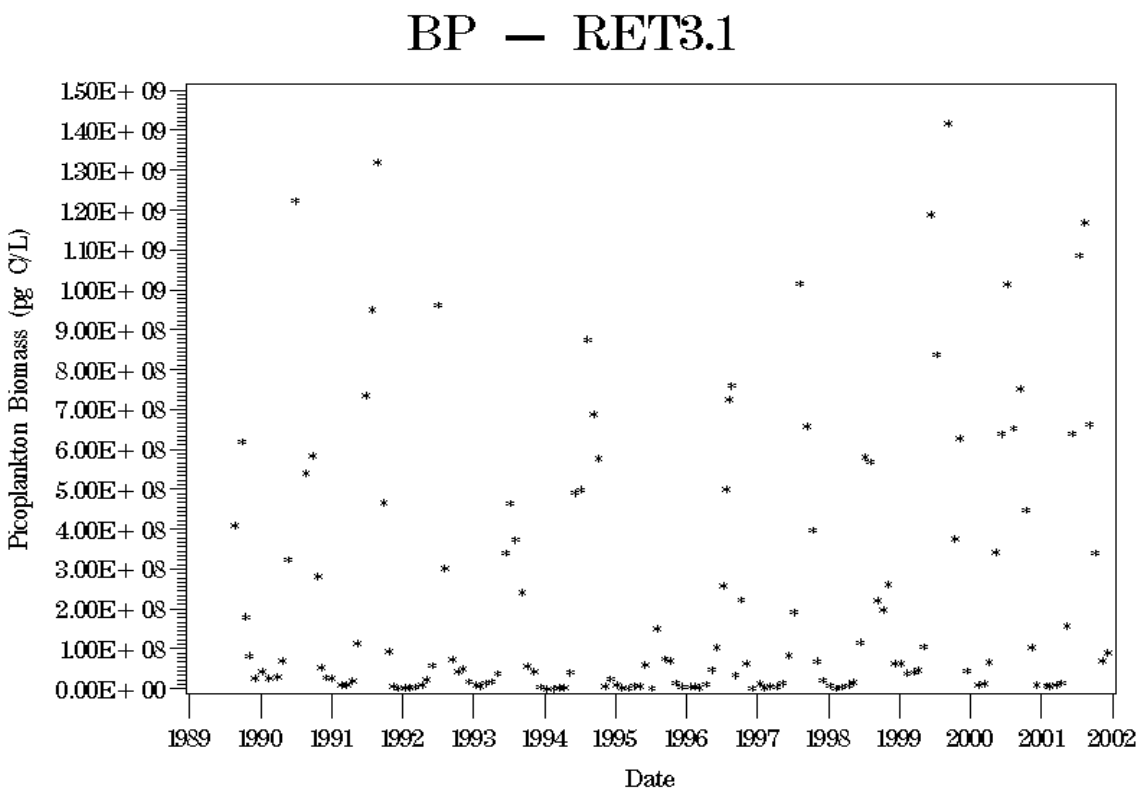

Figure F265. Plot of below pycnocline picoplankton biomass against time at station RET3.1 for the period of 1989 through 2001.

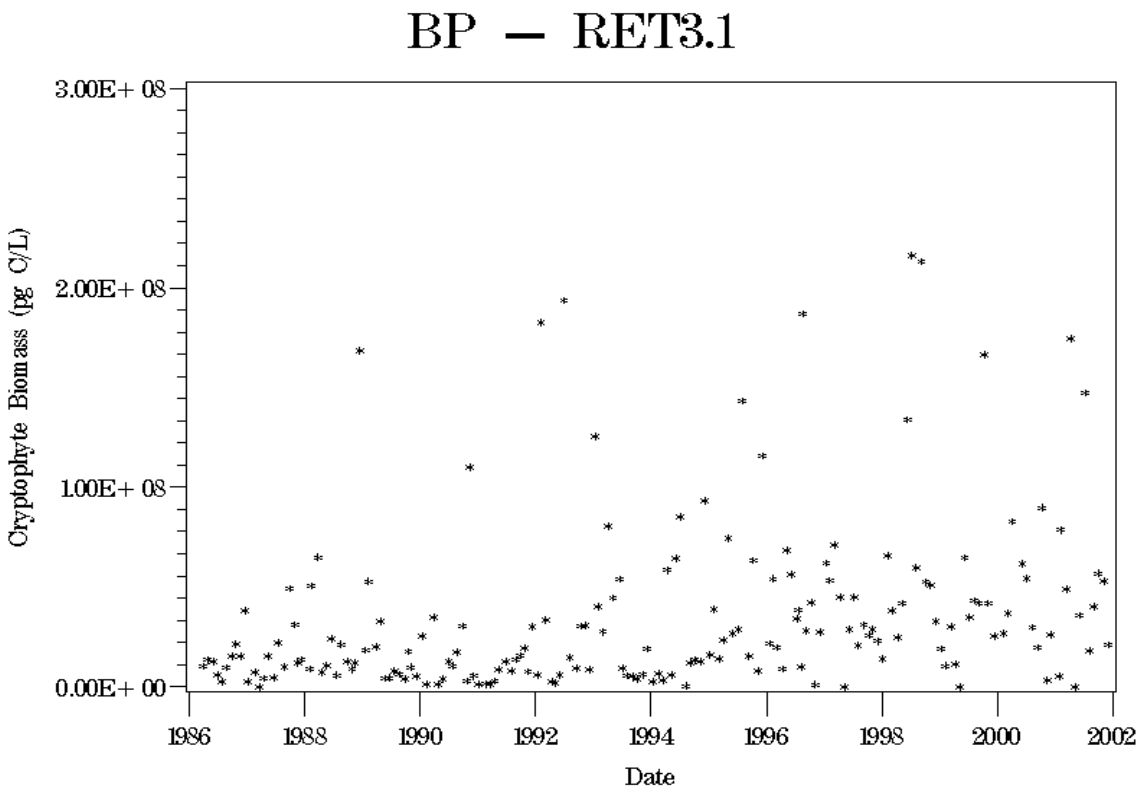

Figure F266. Plot of below pycnocline cryptophyte biomass at station RET3.1 for the period of 1986 through 2001.

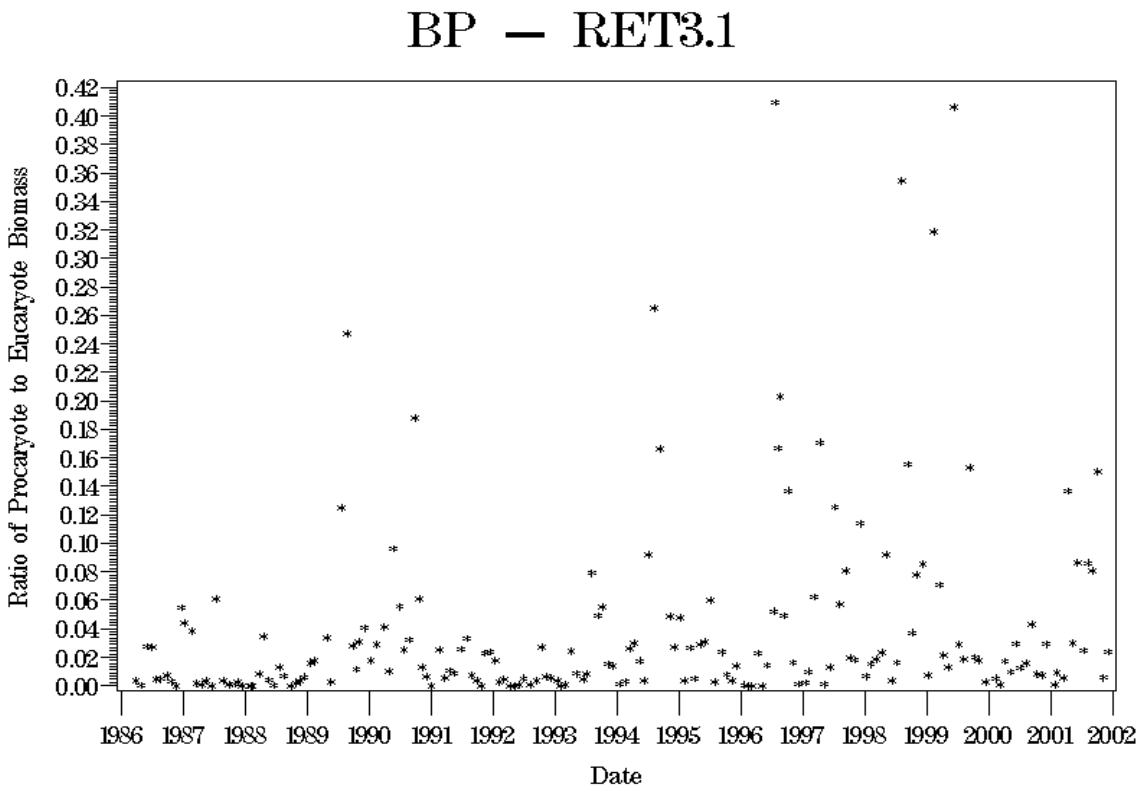

Figure F267. Plot of below pycnocline cyanophyte abundance at station RET3.1 for the period of 1986 through 2001.

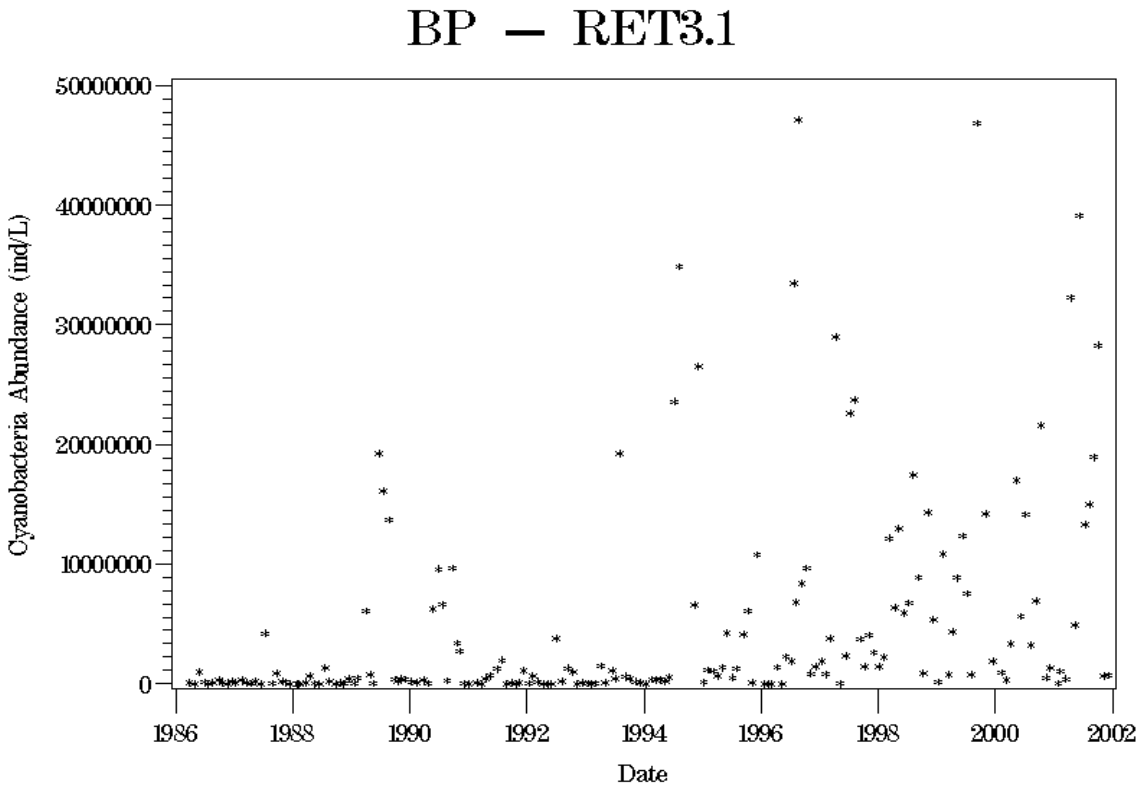

Figure F268. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station RET3.1 for the period of 1986 through 2001.

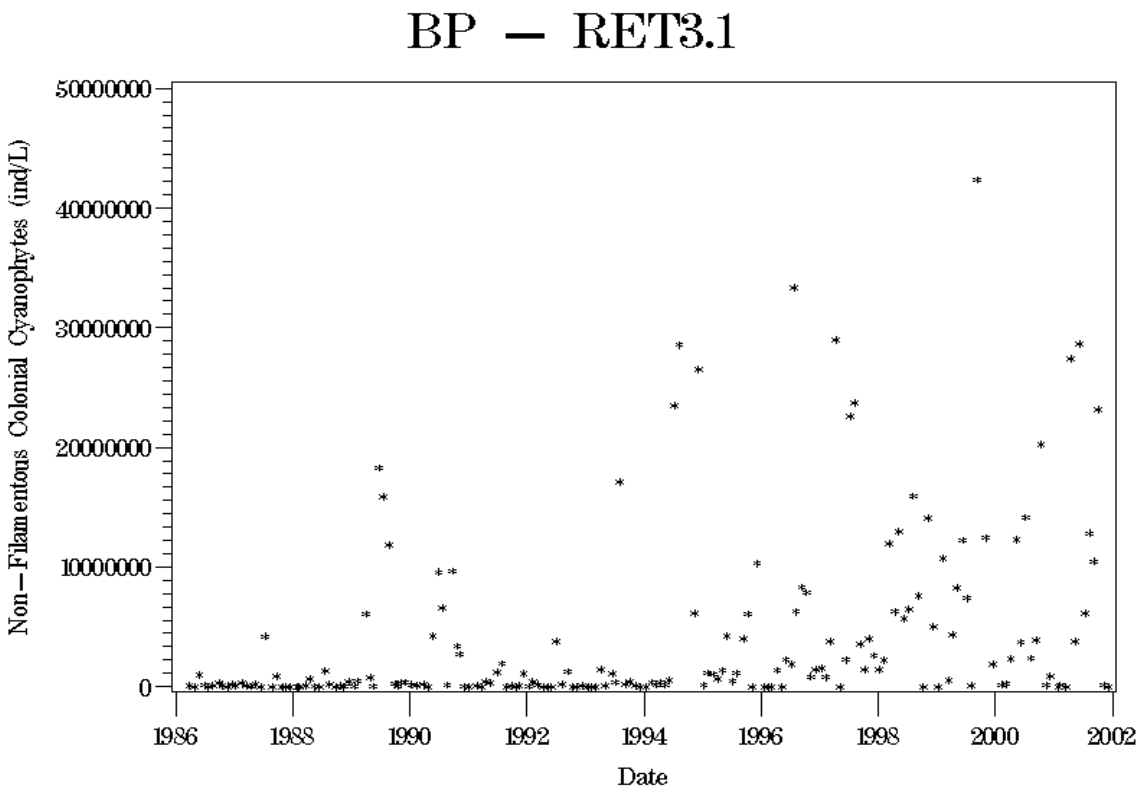

Figure F269. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station RET3.1 for the period of 1986 through 2001.

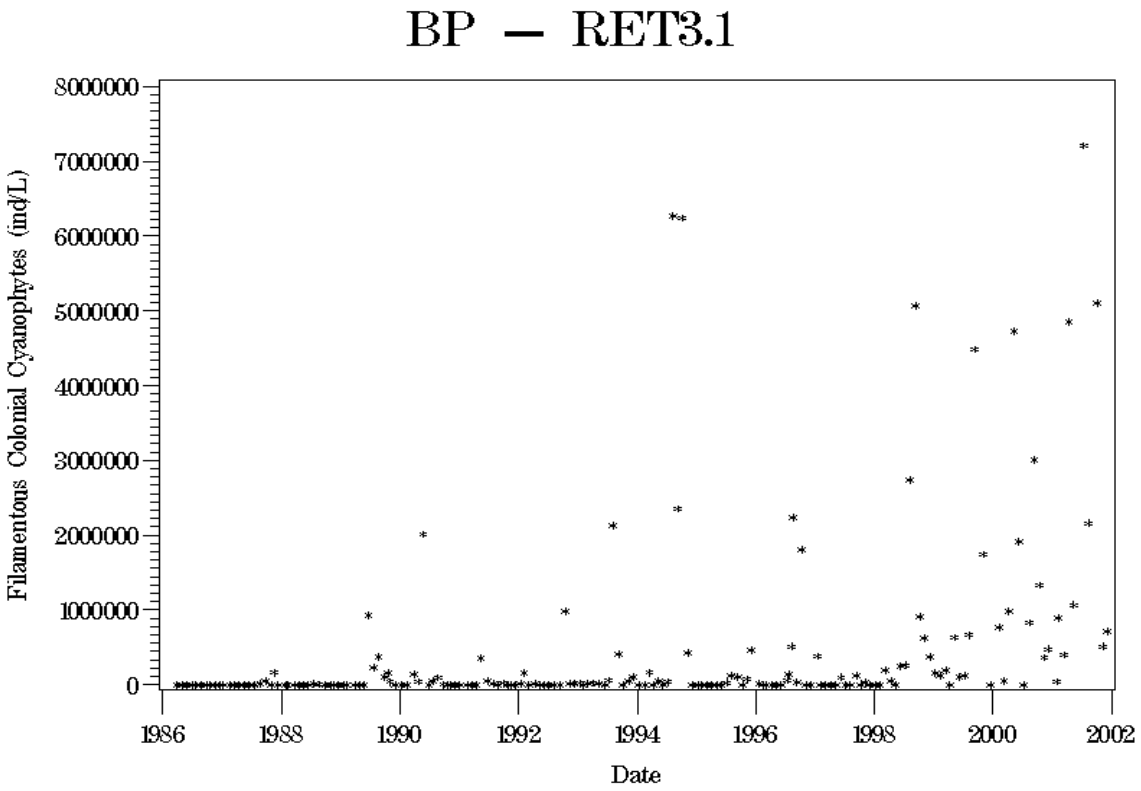

Figure F270. Plot of below pycnocline filamentous colonial cyanophyte abundance at station RET3.1 for the period of 1986 through 2001.

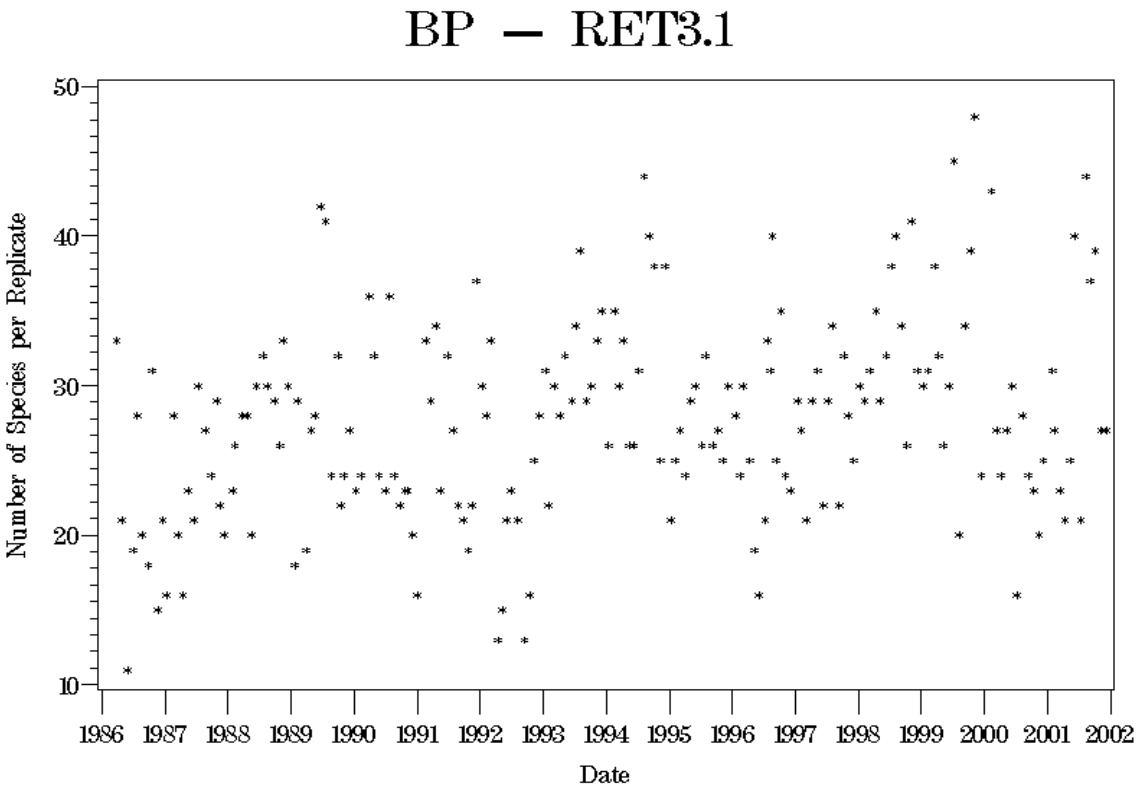

Figure F271. Plot of below pycnocline number of species per replicate at station RET3.1 for the period of 1986 through 2001.

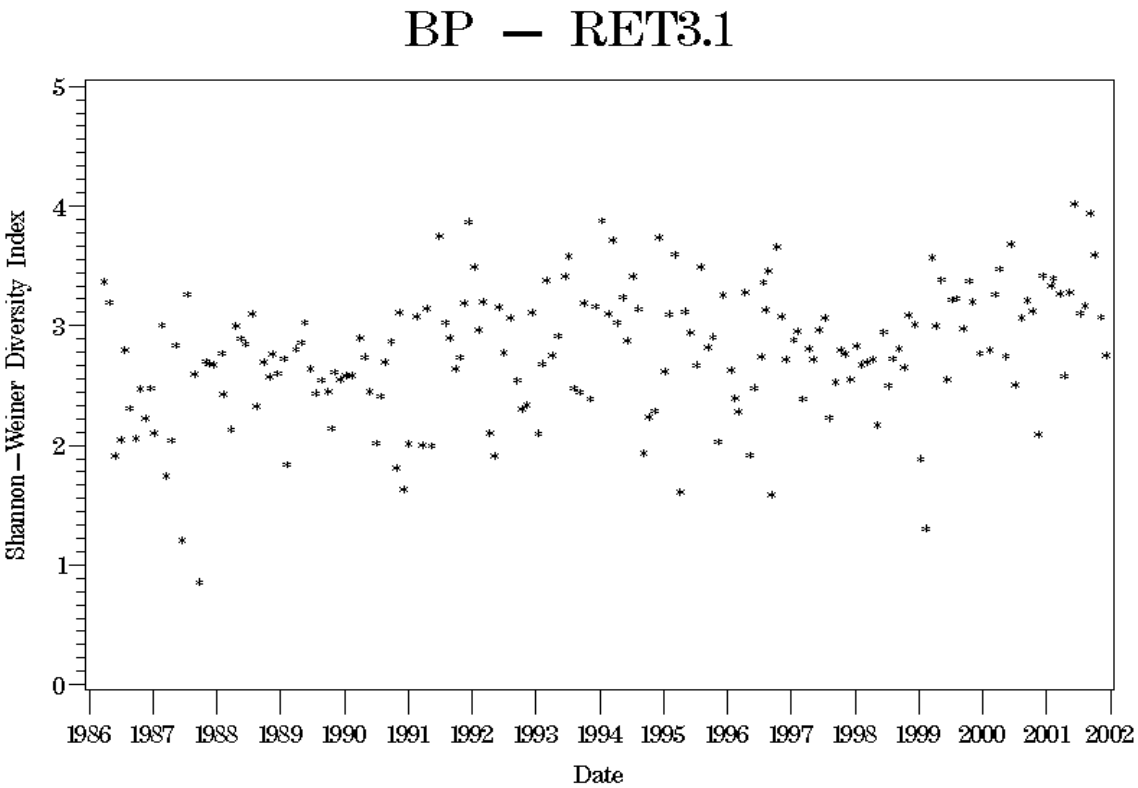

Figure F272. Plot of below pycnocline Shannon-Weiner diversity index at station RET3.1 for the period of 1986 through 2001.

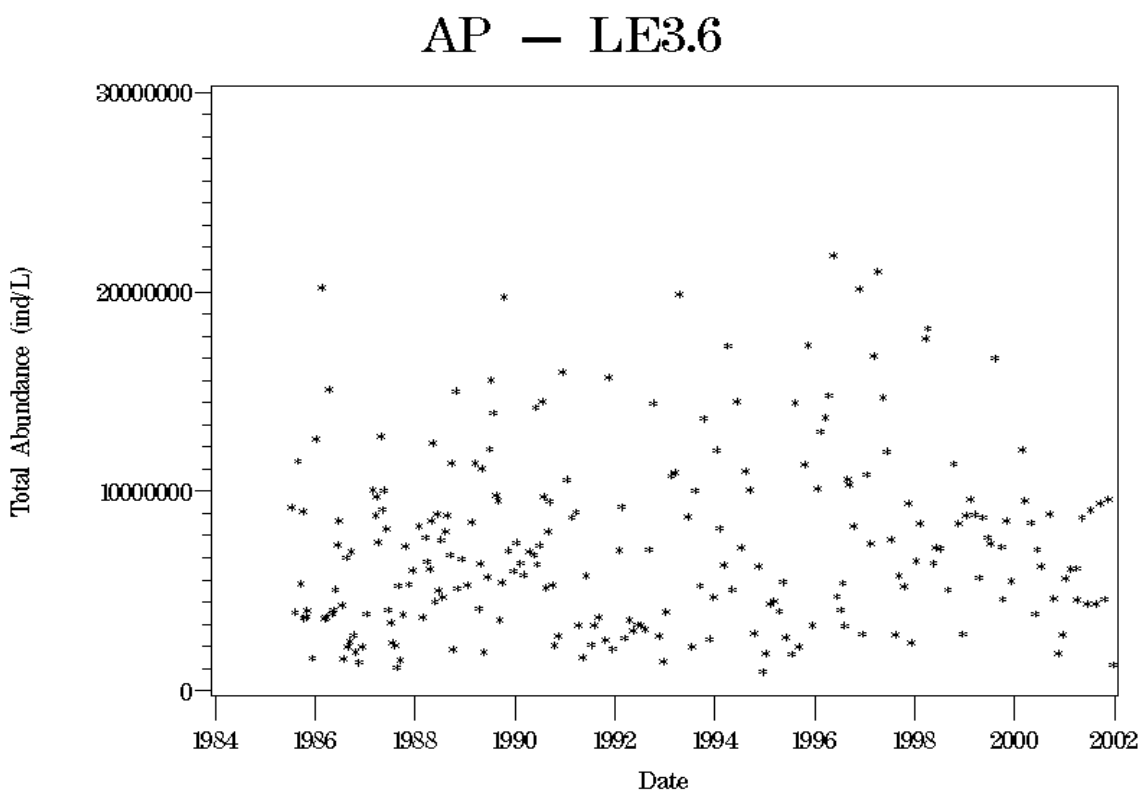

Figure F273. Plot of above pycnocline total phytoplankton abundance against time at station LE3.6 for the period of 1985 through 2001.

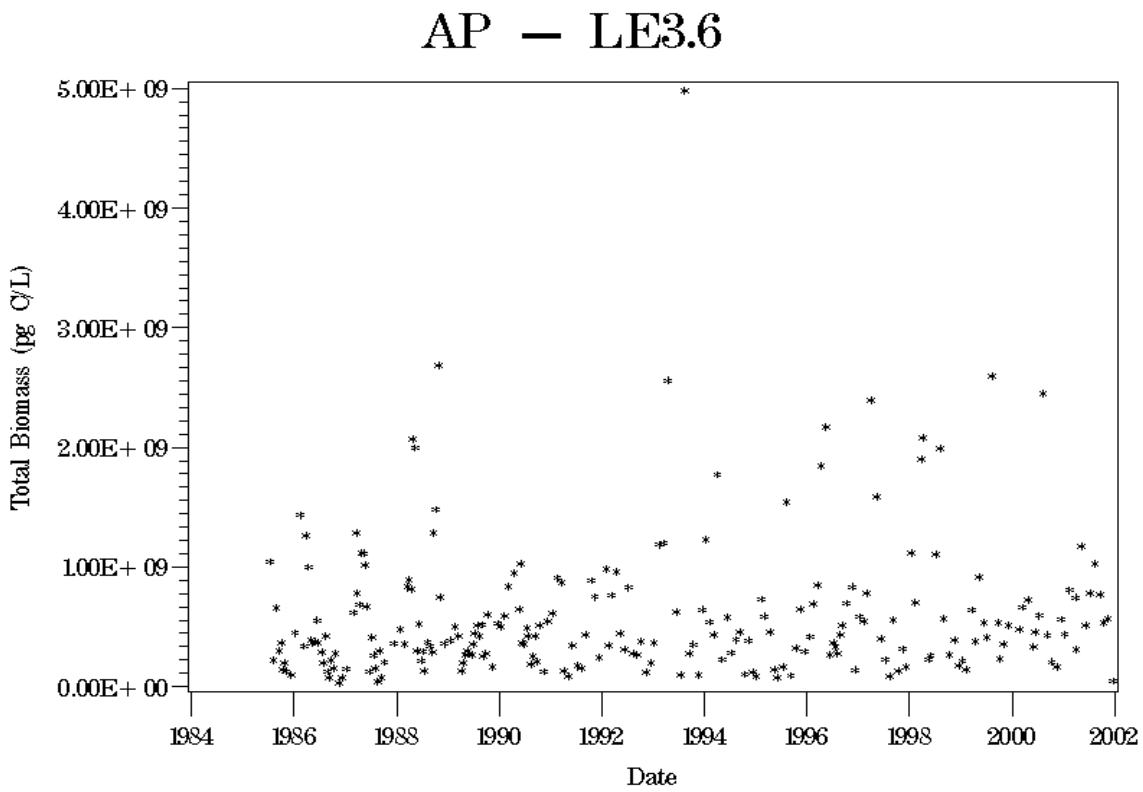

Figure F274. Plot of above pycnocline total phytoplankton biomass against time at station LE3.6 for the period of 1985 through 2001.

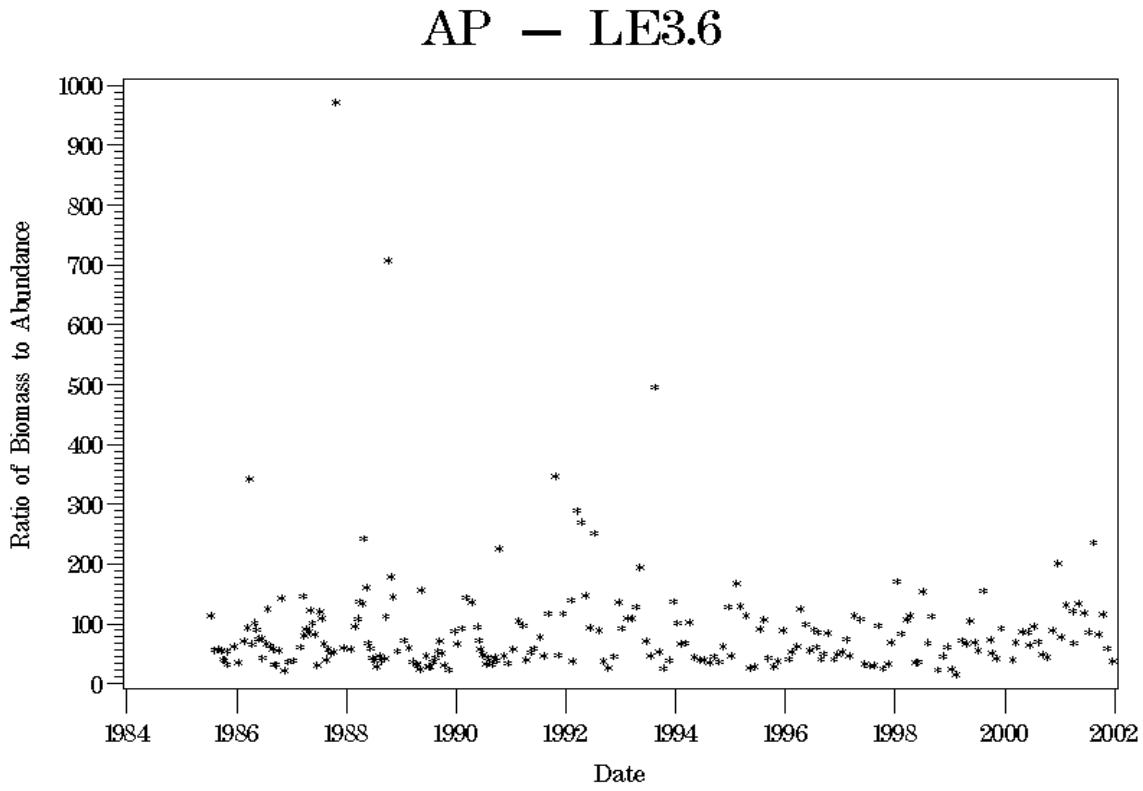

Figure F275 Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station LE3.6 for the period of 1985 through 2001.

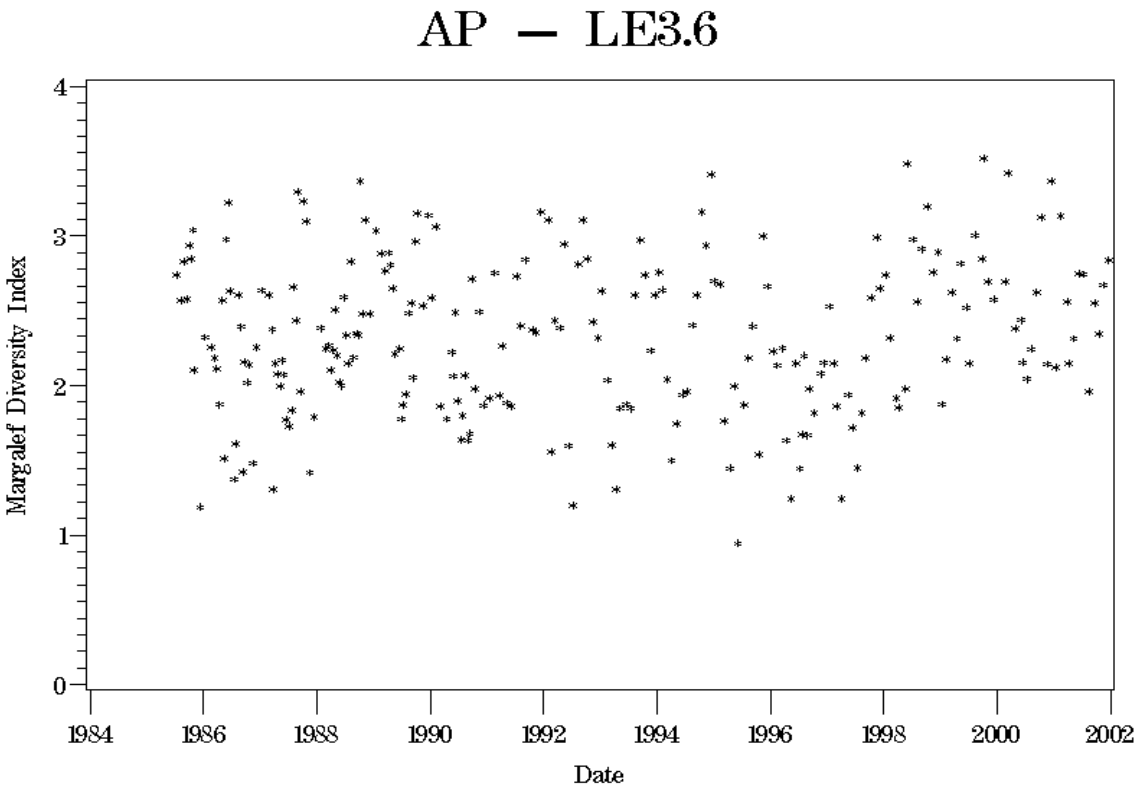

Figure F276. Plot of above pycnocline Margalef diversity index against time at station LE3.6 for the period of 1985 through 2001.

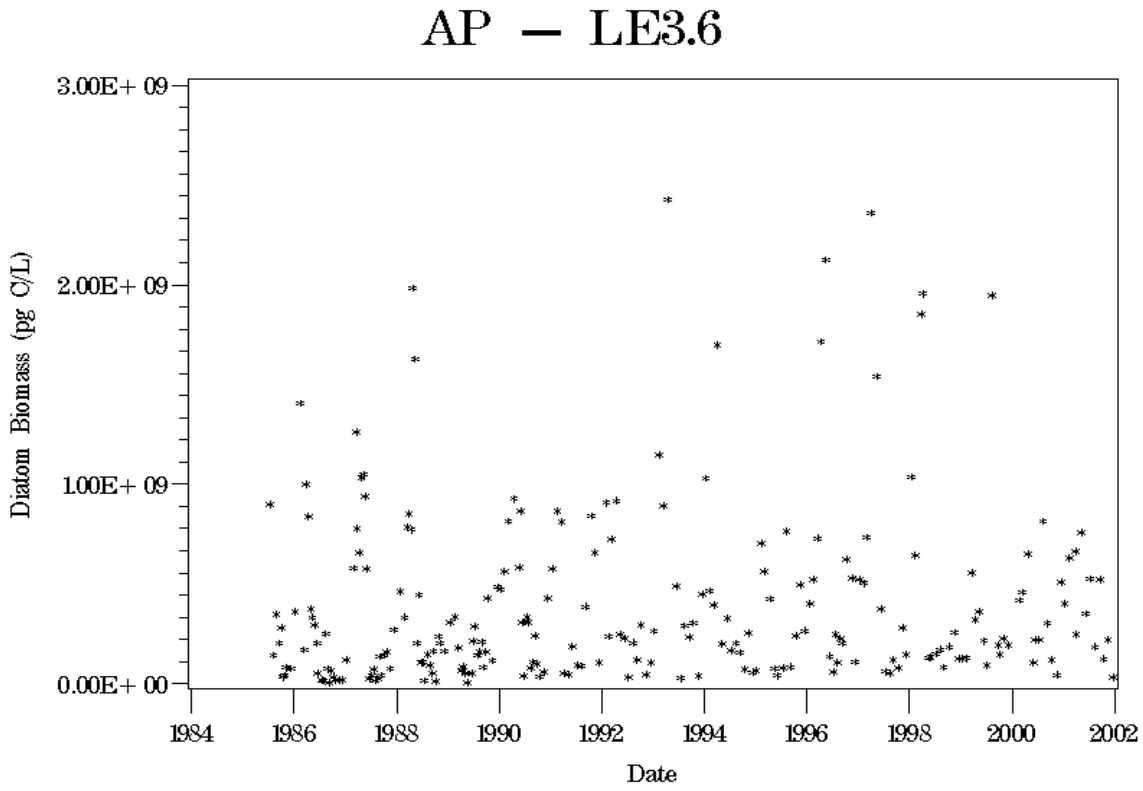

Figure F277. Plot of above pycnocline diatom biomass against time at station LE3.6 for the period of 1985 through 2001.

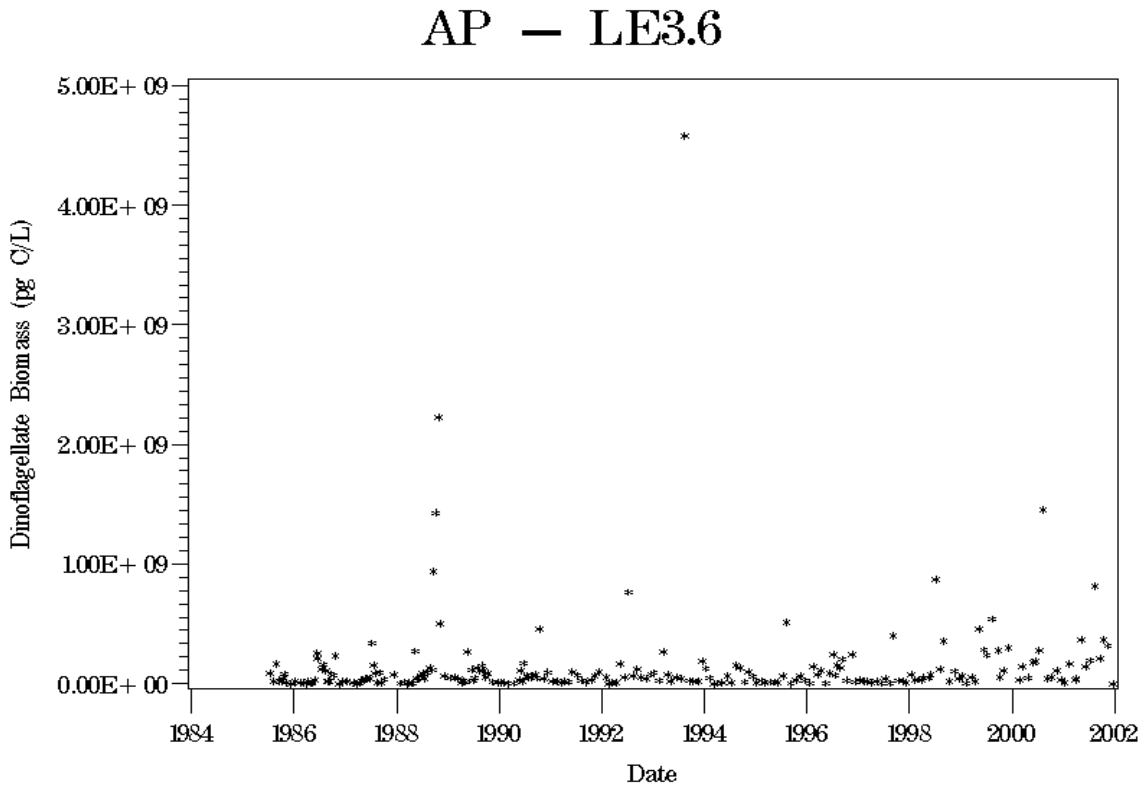

Figure F278. Plot of above pycnocline dinoflagellate biomass against time at station LE3.6 for the period of 1985 through 2001.

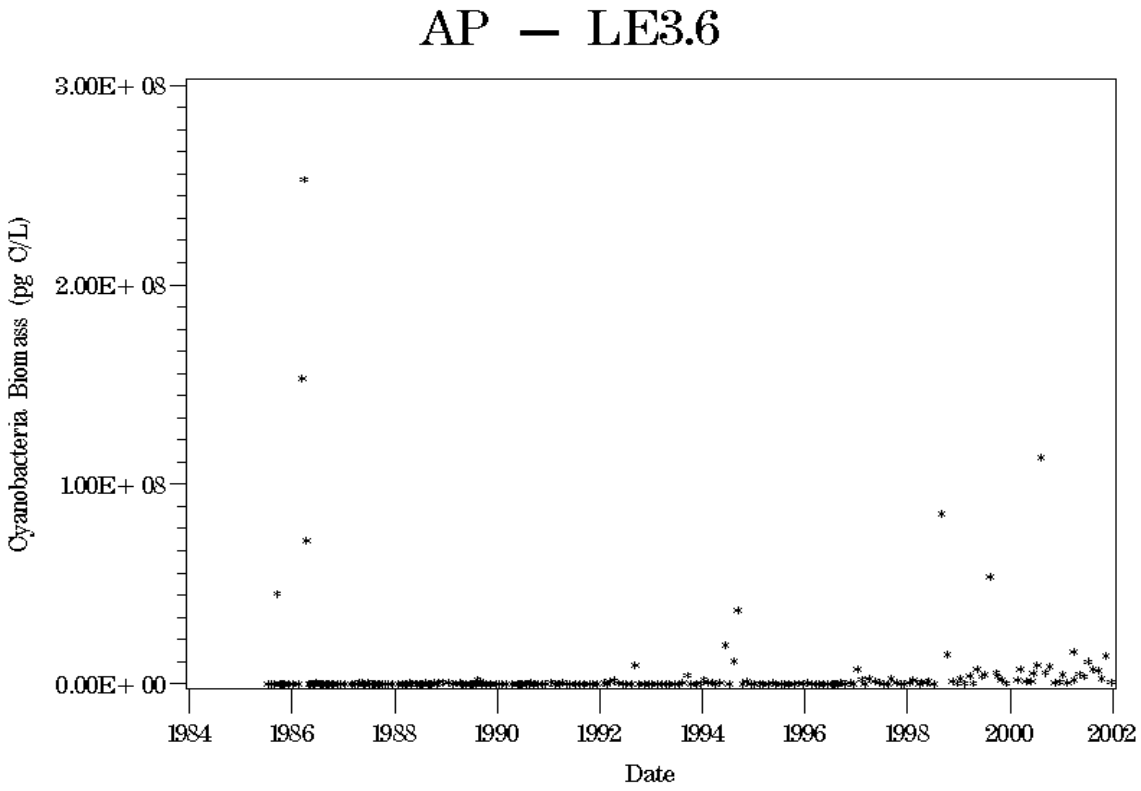

Figure F279. Plot of above pycnocline cyanobacteria biomass against time at station LE3.6 for the period of 1985 through 2001.

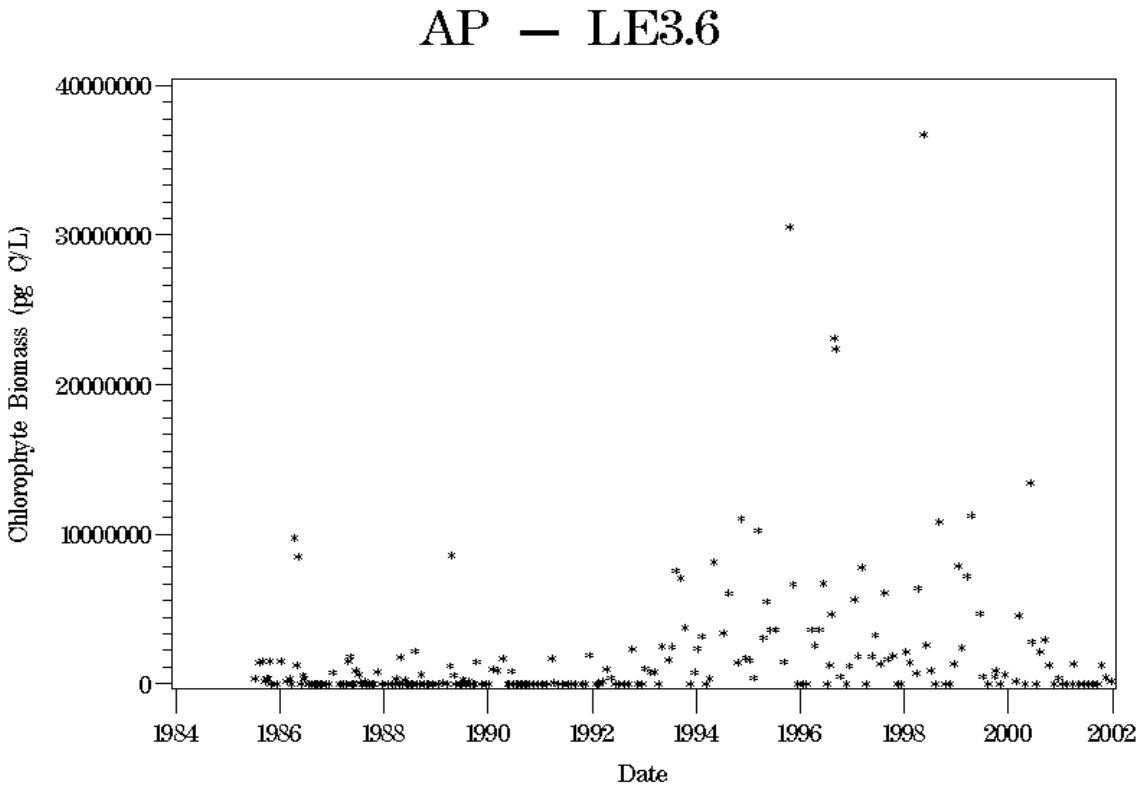

Figure F280. Plot of above pycnocline chlorophyte biomass against time at station LE3.6 for the period of 1985 through 2001.

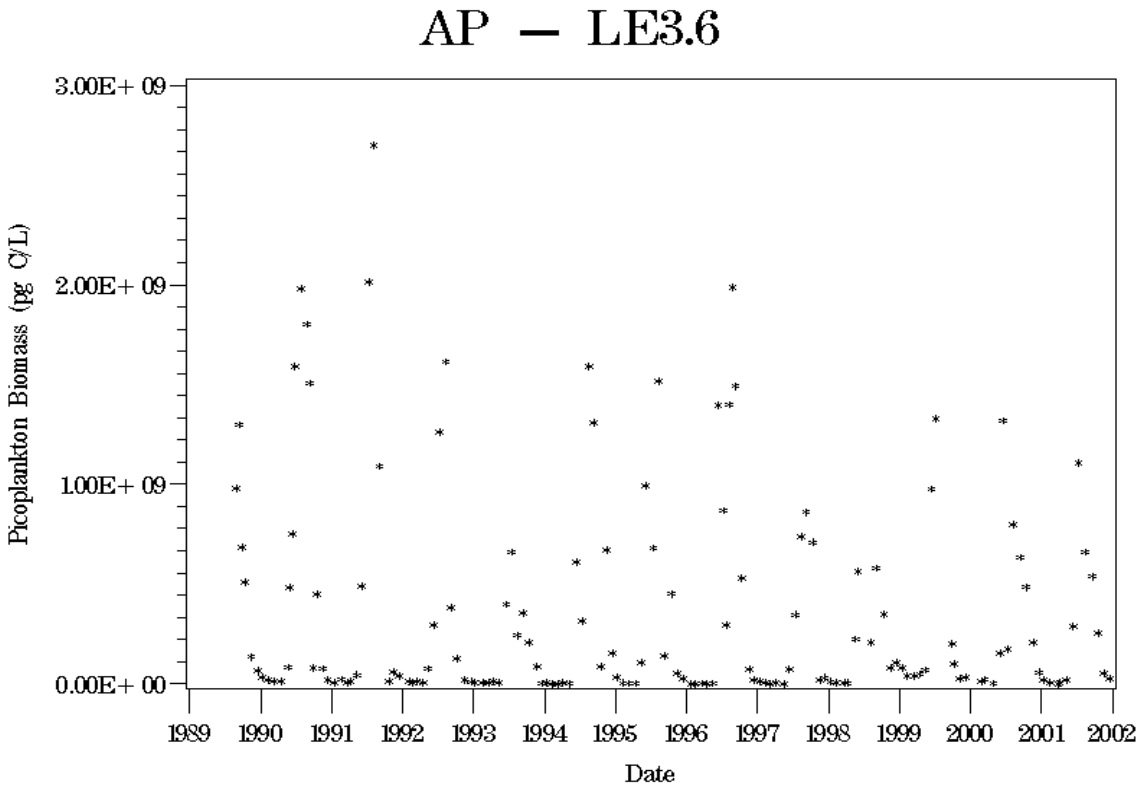

Figure F281. Plot of above pycnocline picoplankton biomass against time at station LE3.6 for the period of 1989 through 2001.

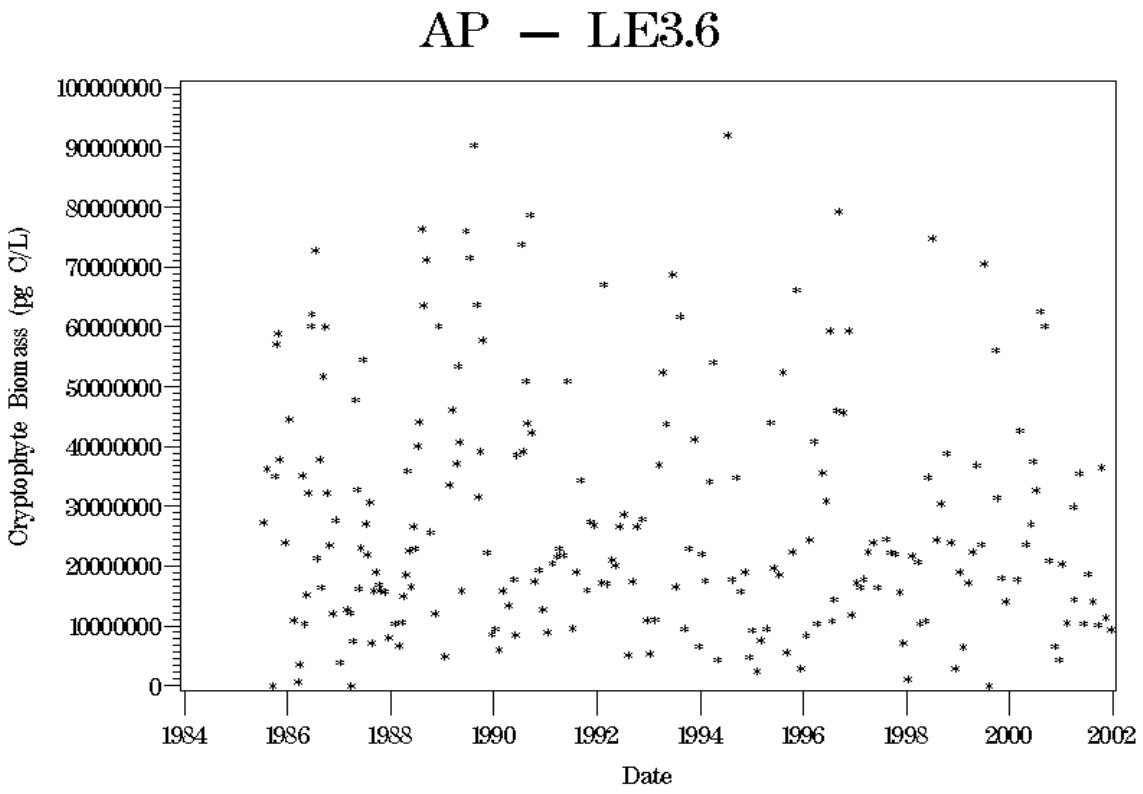

Figure F282. Plot of above pycnocline cryptophyte biomass at station LE3.6 for the period of 1985 through 2001.

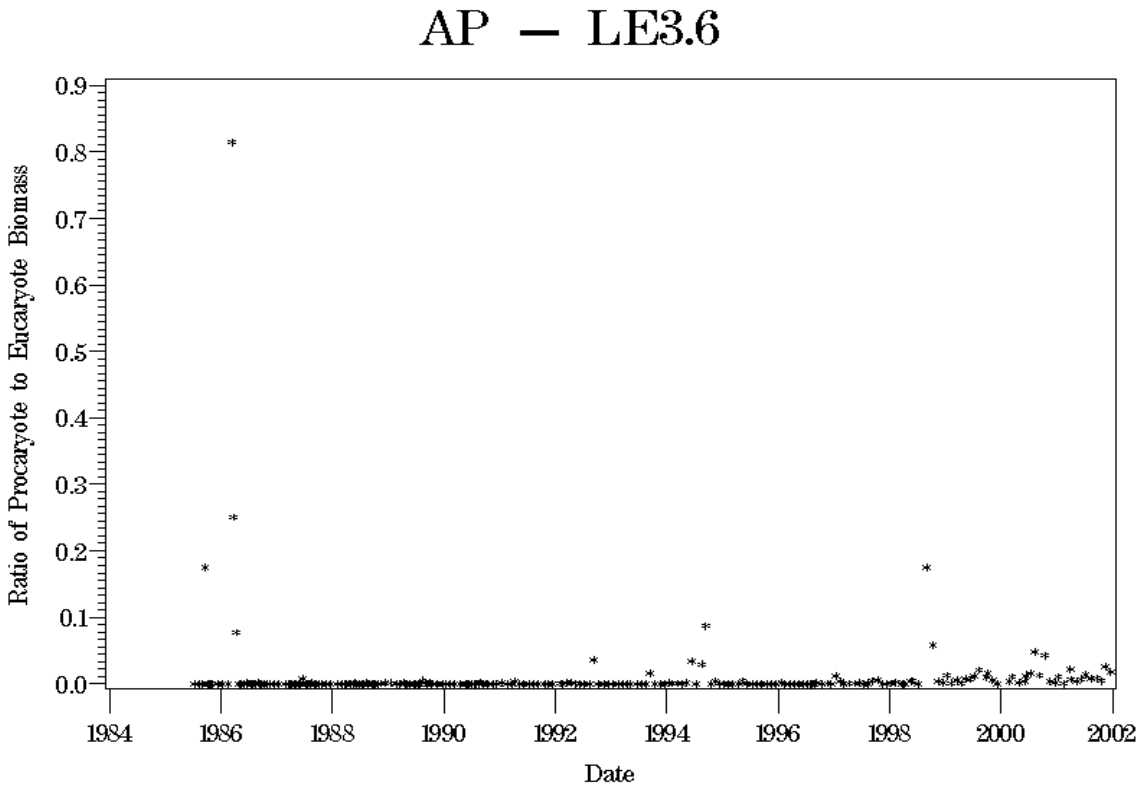

Figure F283. Plot of above pycnocline cyanophyte abundance at station LE3.6 for the period of 1985 through 2001.

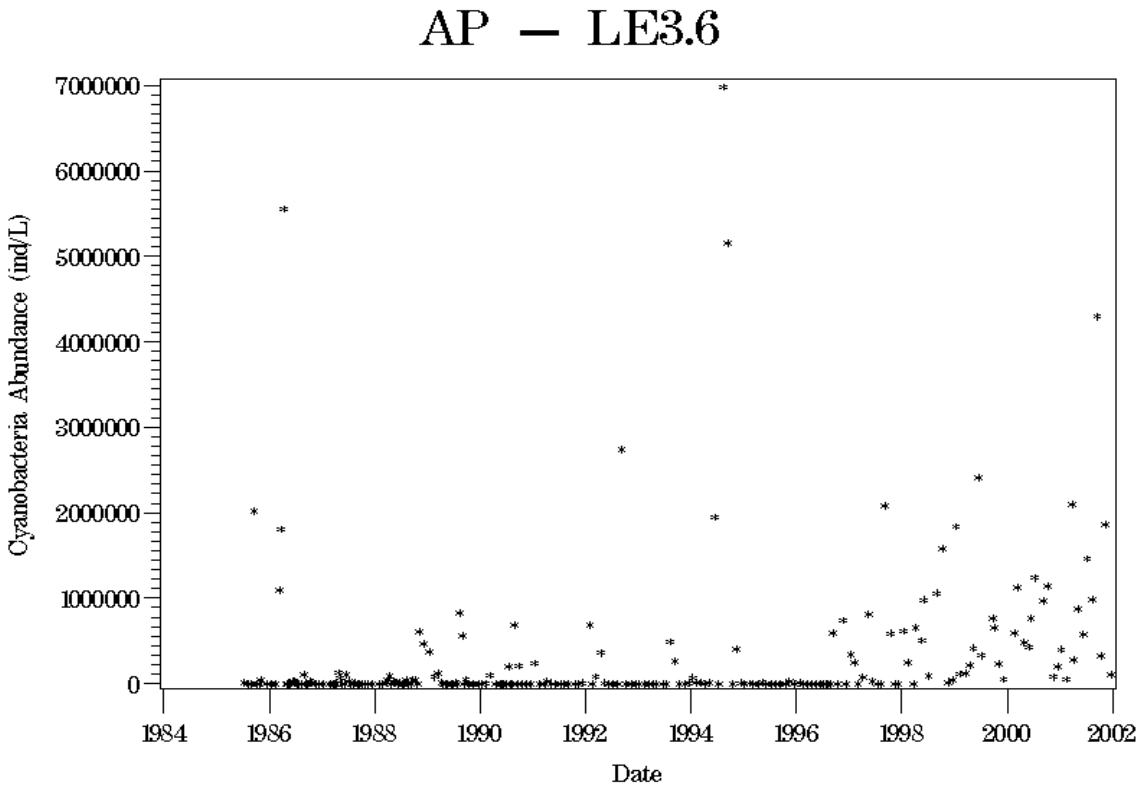

Figure F284. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station LE3.6 for the period of 1985 through 2001.

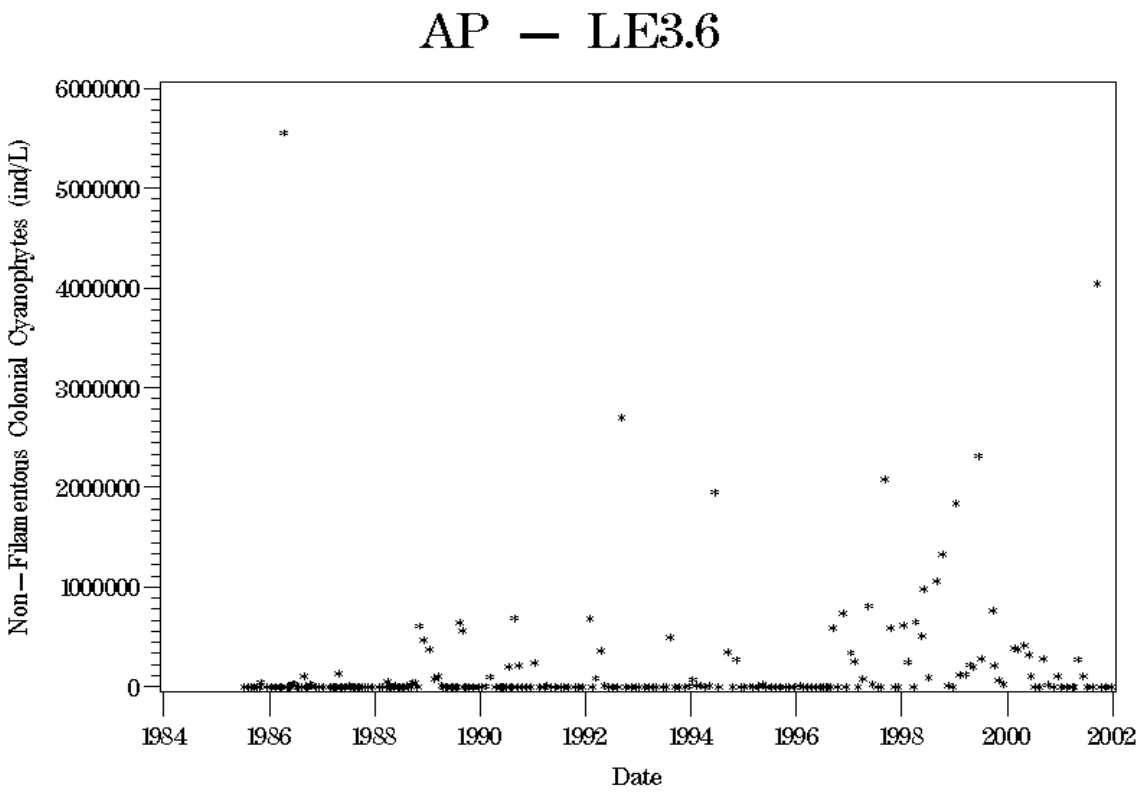

Figure F285. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station LE3.6 for the period of 1985 through 2001.

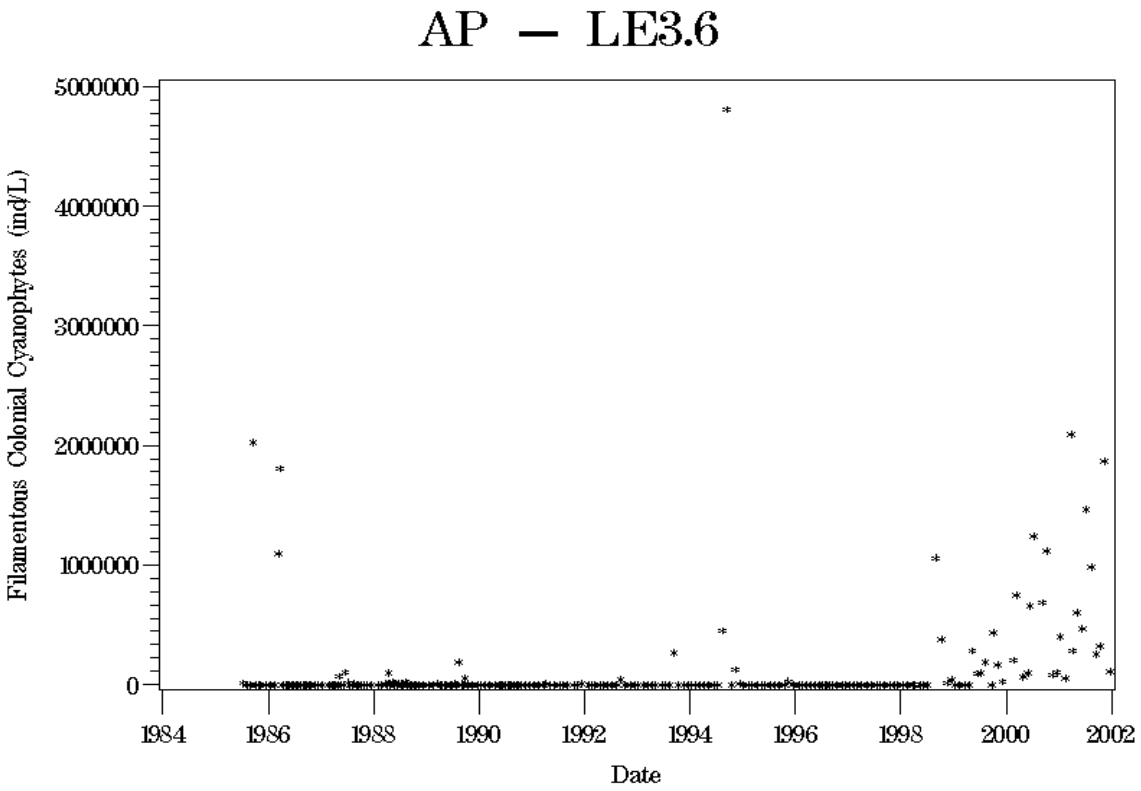

Figure F286. Plot of above pycnocline filamentous colonial cyanophyte abundance at station LE3.6 for the period of 1985 through 2001.

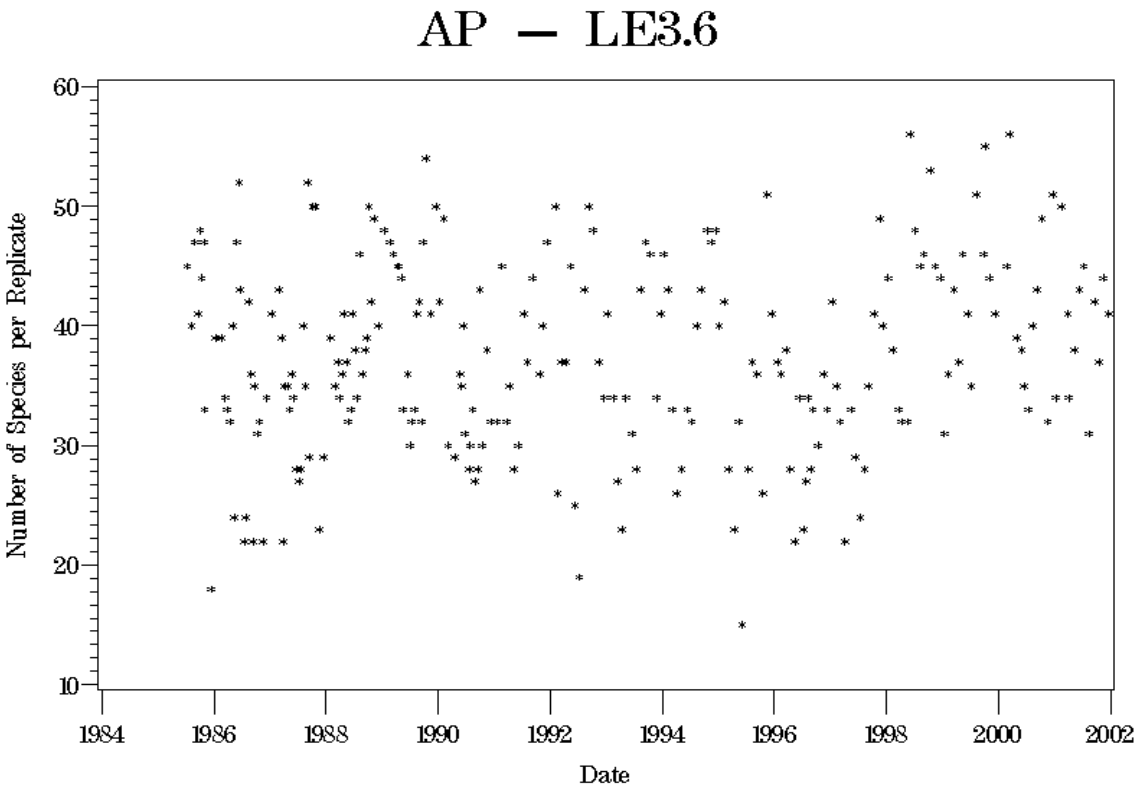

Figure F287. Plot of above pycnocline number of species per replicate at station LE3.6 for the period of 1985 through 2001.

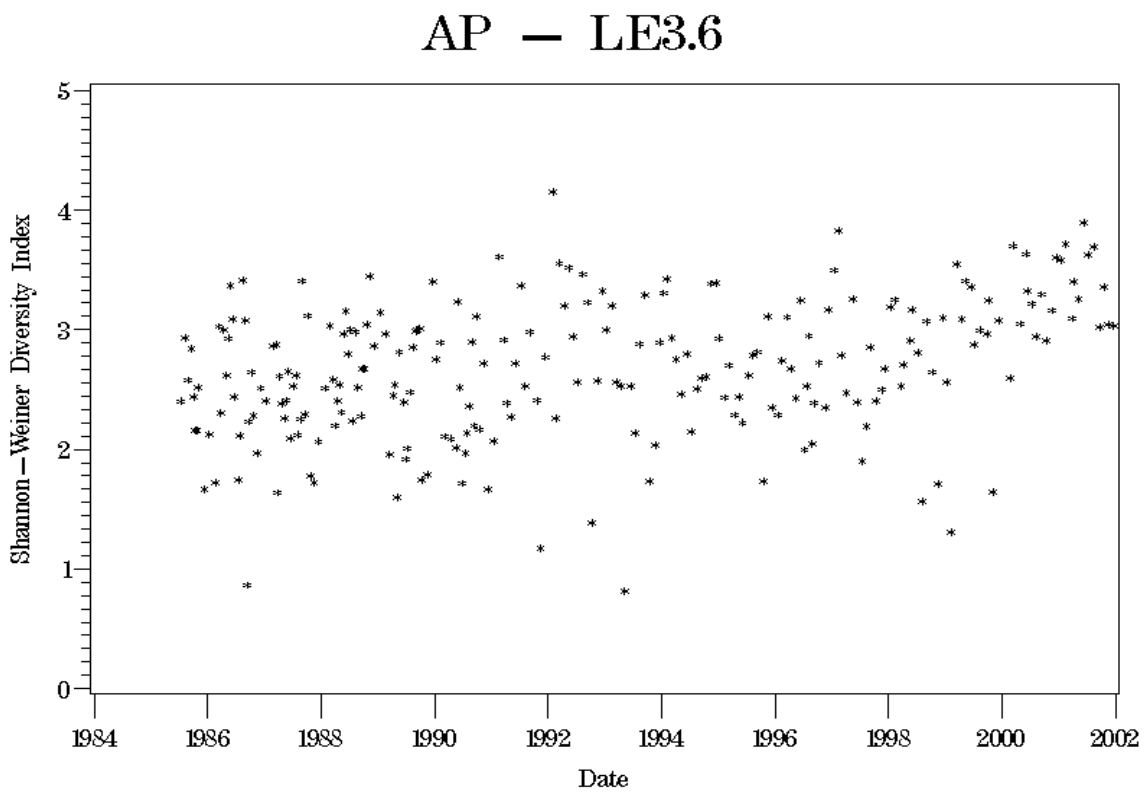

Figure F288. Plot of above pycnocline Shannon-Weiner diversity index at station LE3.6 for the period of 1985 through 2001.

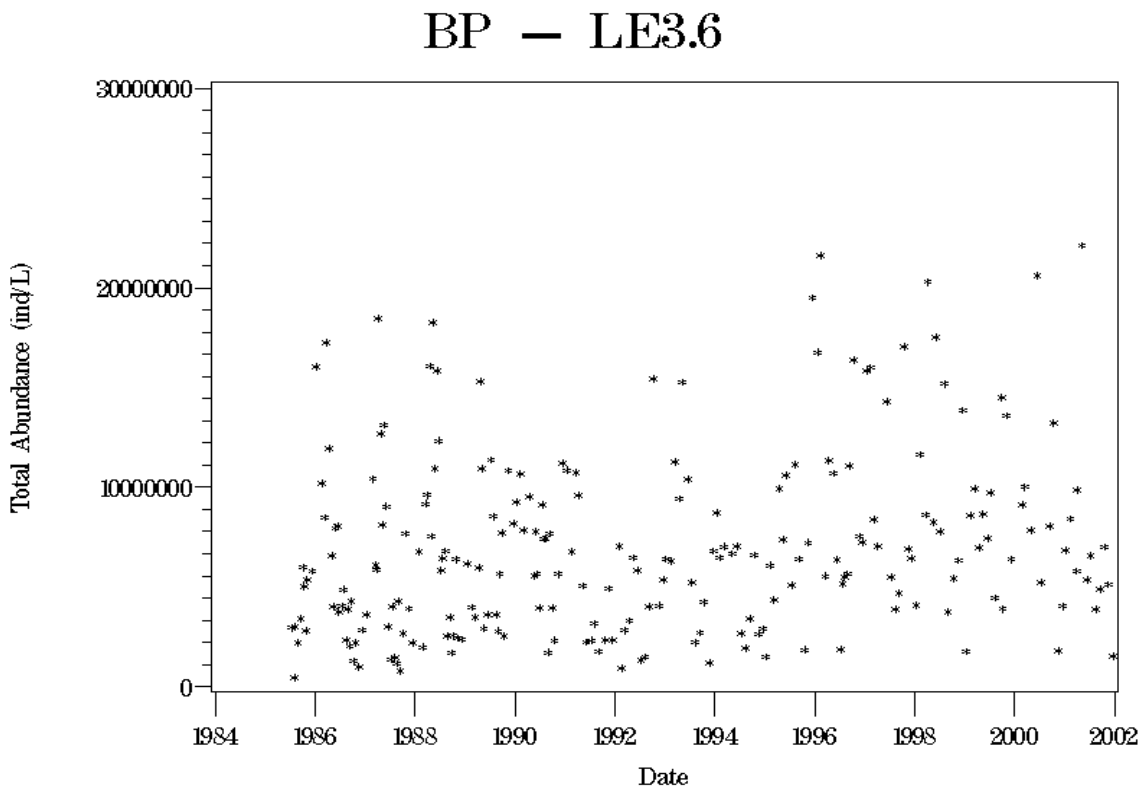

Figure F289. Plot of below pycnocline total phytoplankton abundance against time at station LE3.6 for the period of 1985 through 2001.

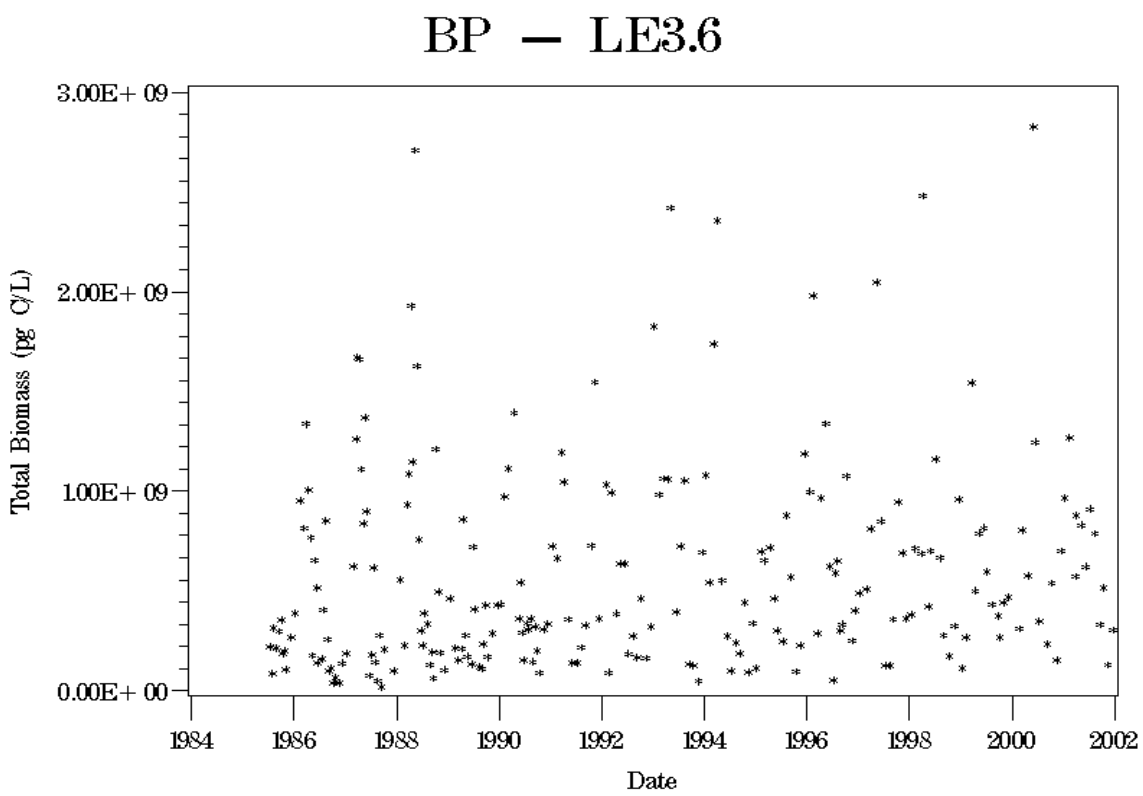

Figure F290. Plot of below pycnocline total phytoplankton biomass against time at station LE3.6 for the period of 1985 through 2001.

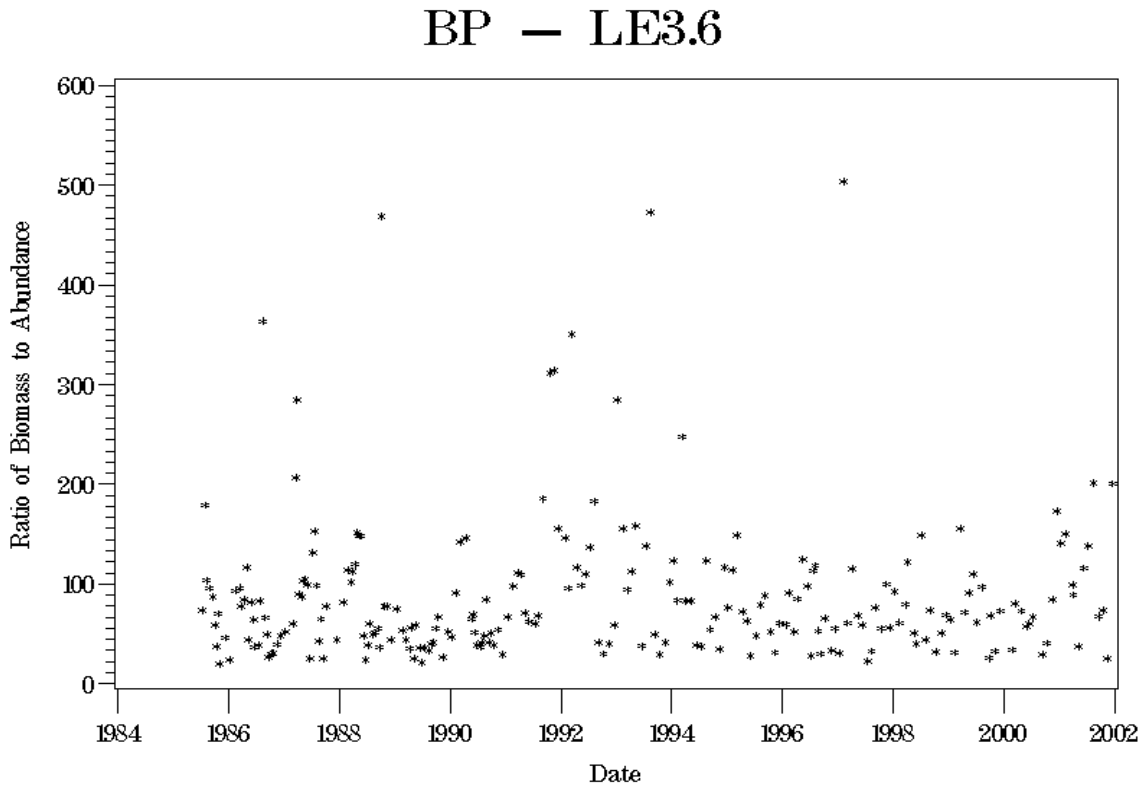

Figure F291. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station LE3.6 for the period of 1985 through 2001.

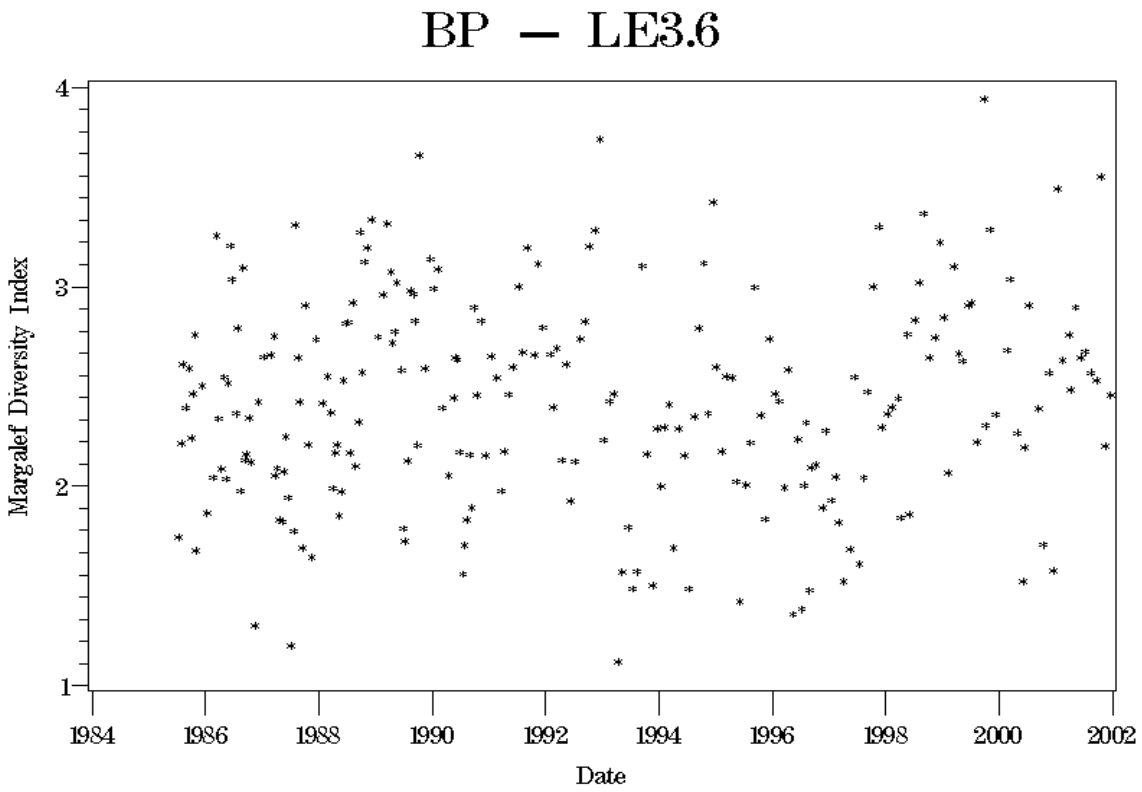

Figure F292. Plot of below pycnocline Margalef diversity index against time at station LE3.6 for the period of 1985 through 2001.

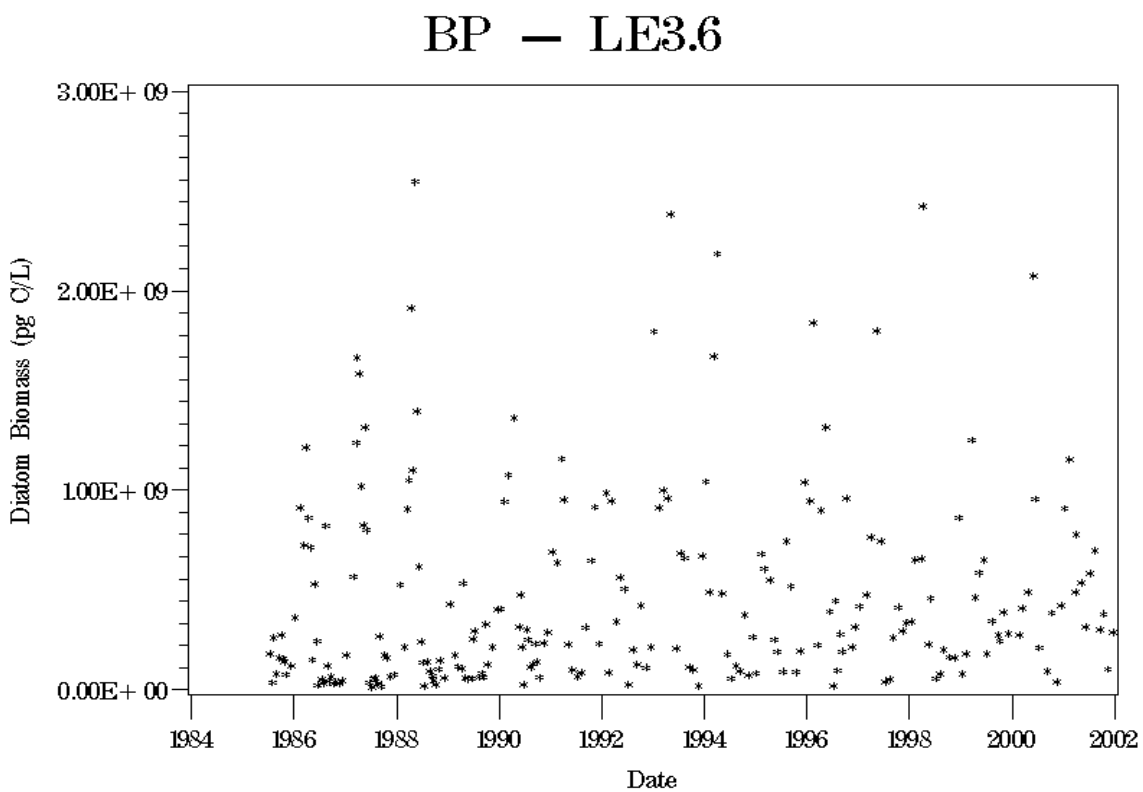

Figure F293. Plot of below pycnocline diatom biomass against time at station LE3.6 for the period of 1985 through 2001.

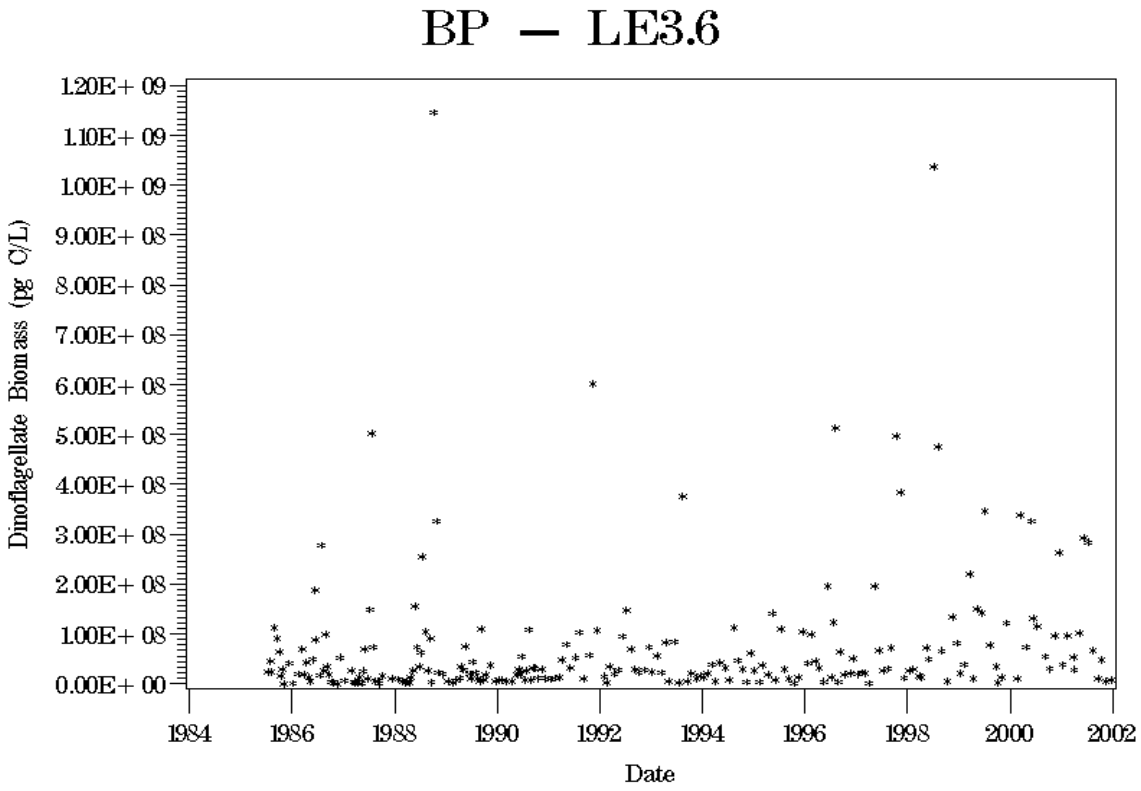

Figure F294. Plot of below pycnocline dinoflagellate biomass against time at station LE3.6 for the period of 1985 through 2001.

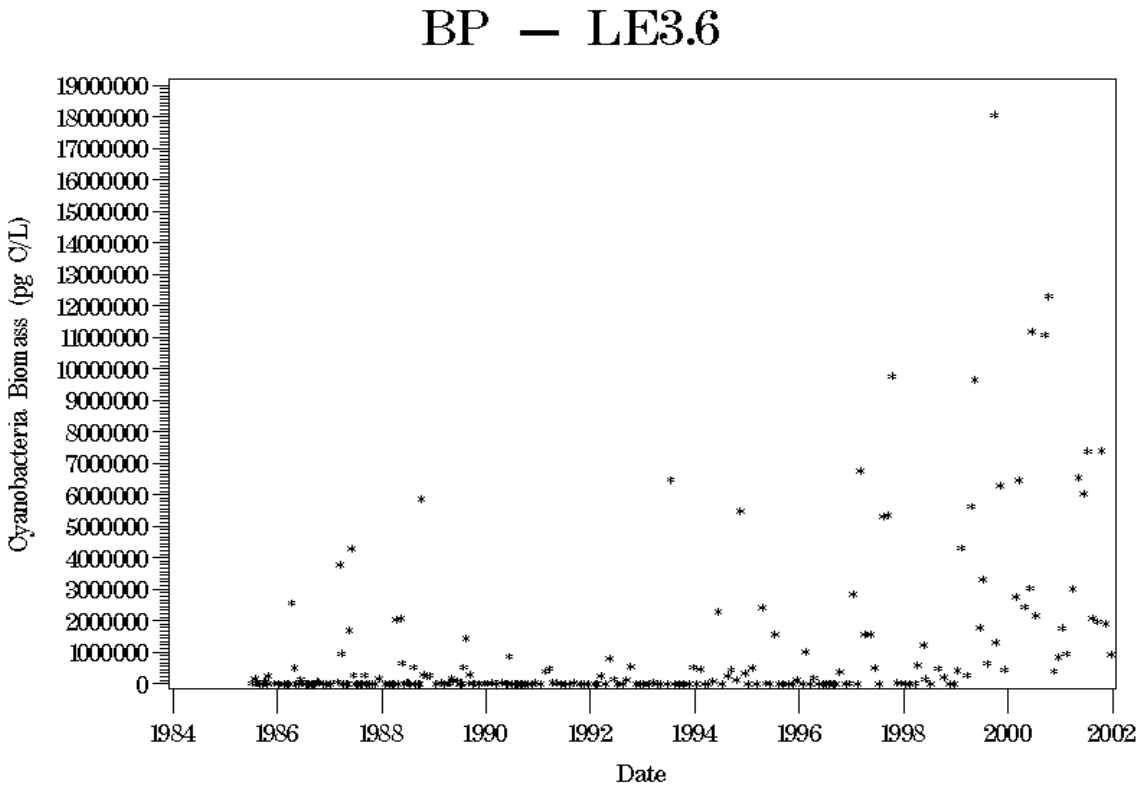

Figure F295. Plot of below pycnocline cyanobacteria biomass against time at station LE3.6 for the period of 1985 through 2001.

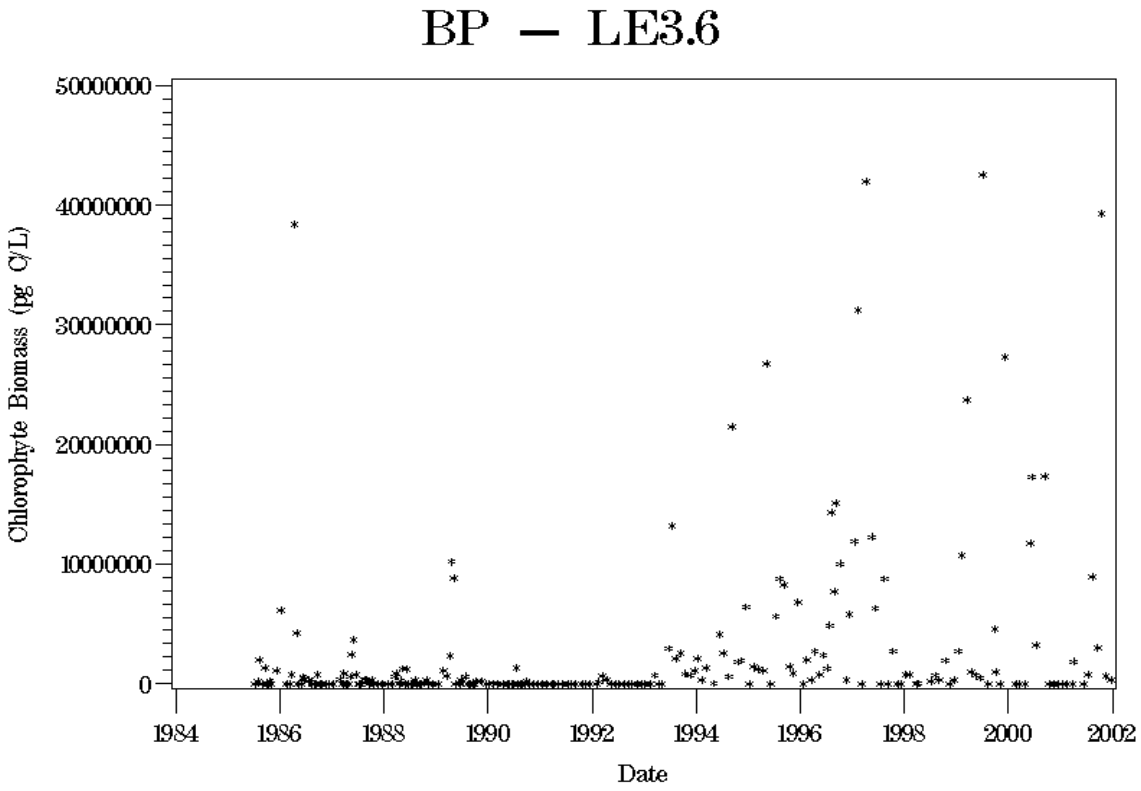

Figure F296. Plot of below pycnocline chlorophyte biomass against time at station LE3.6 for the period of 1985 through 2001.

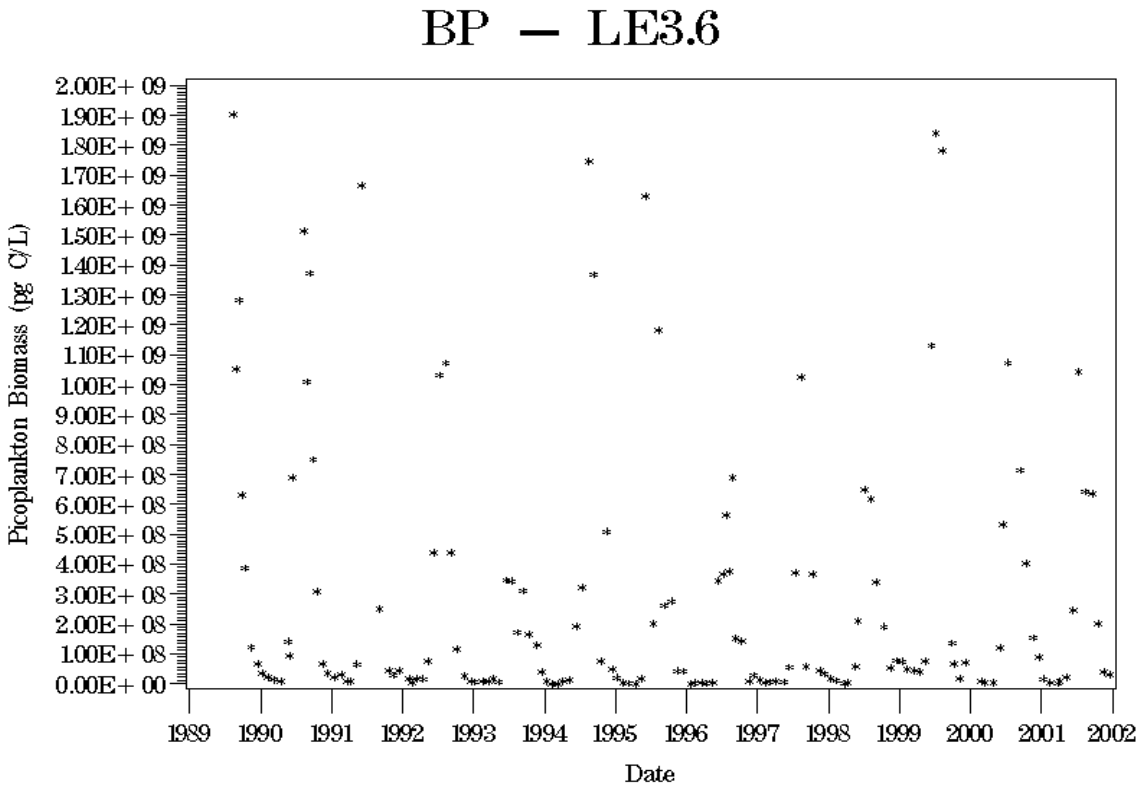

Figure F297. Plot of below pycnocline picoplankton biomass against time at station LE3.6 for the period of 1989 through 2001.

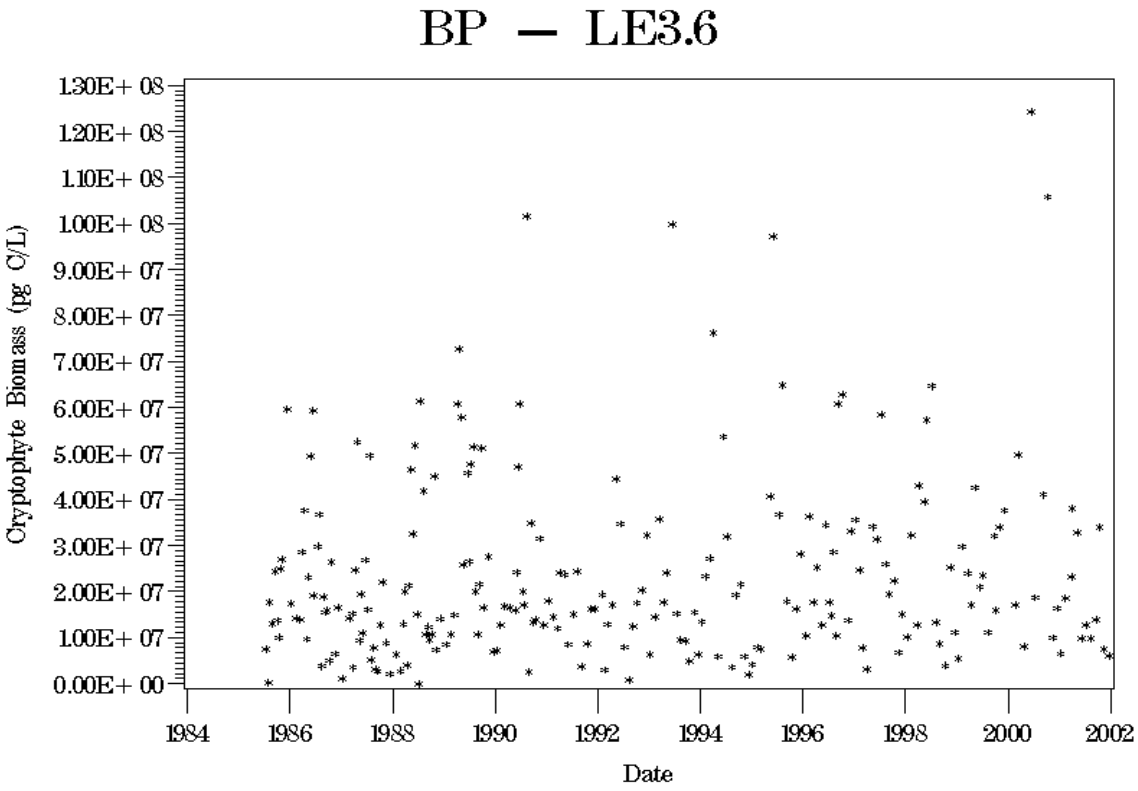

Figure F298. Plot of below pycnocline cryptophyte biomass at station LE3.6 for the period of 1985 through 2001.

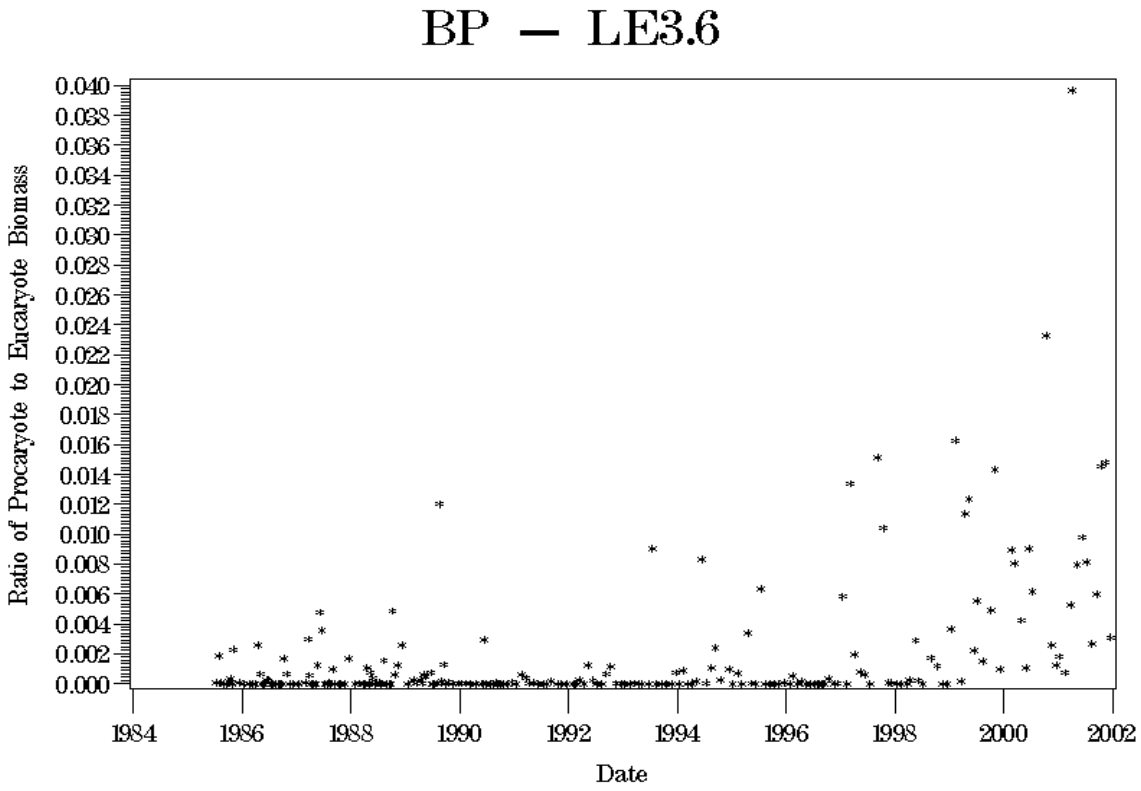

Figure F299. Plot of below pycnocline cyanophyte abundance at station LE3.6 for the period of 1985 through 2001.

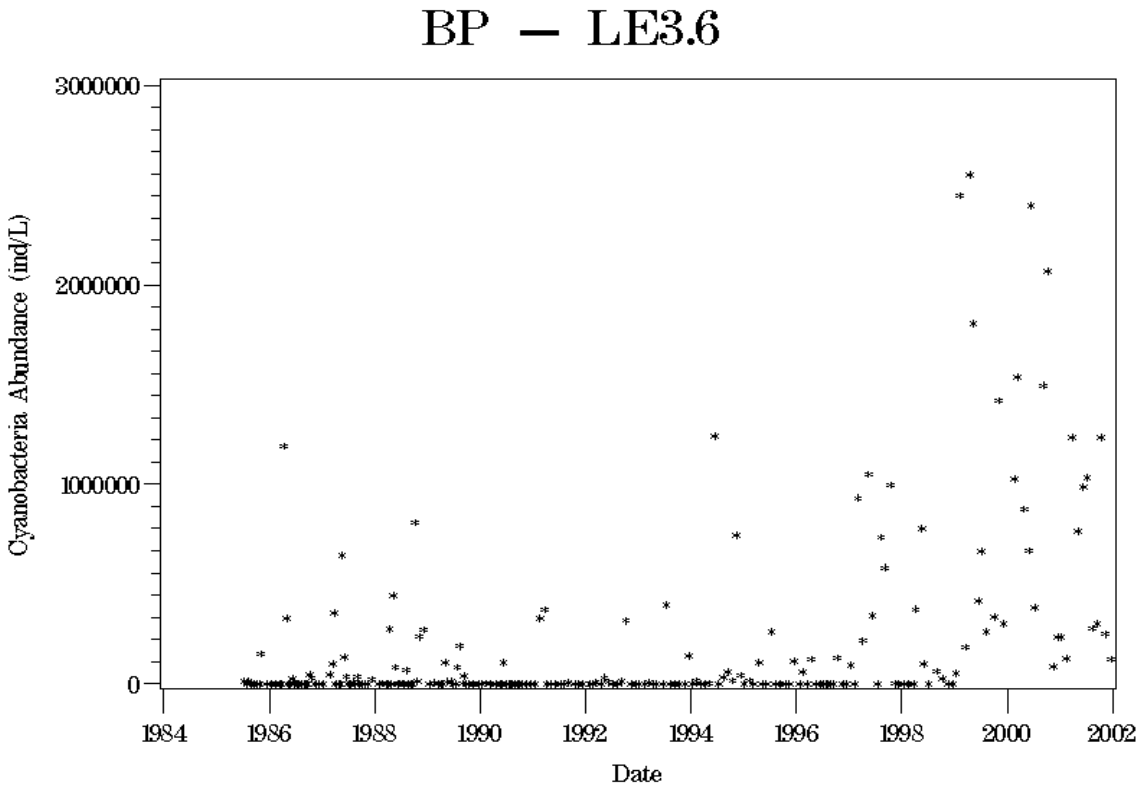

Figure F300. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station LE3.6 for the period of 1985 through 2001.

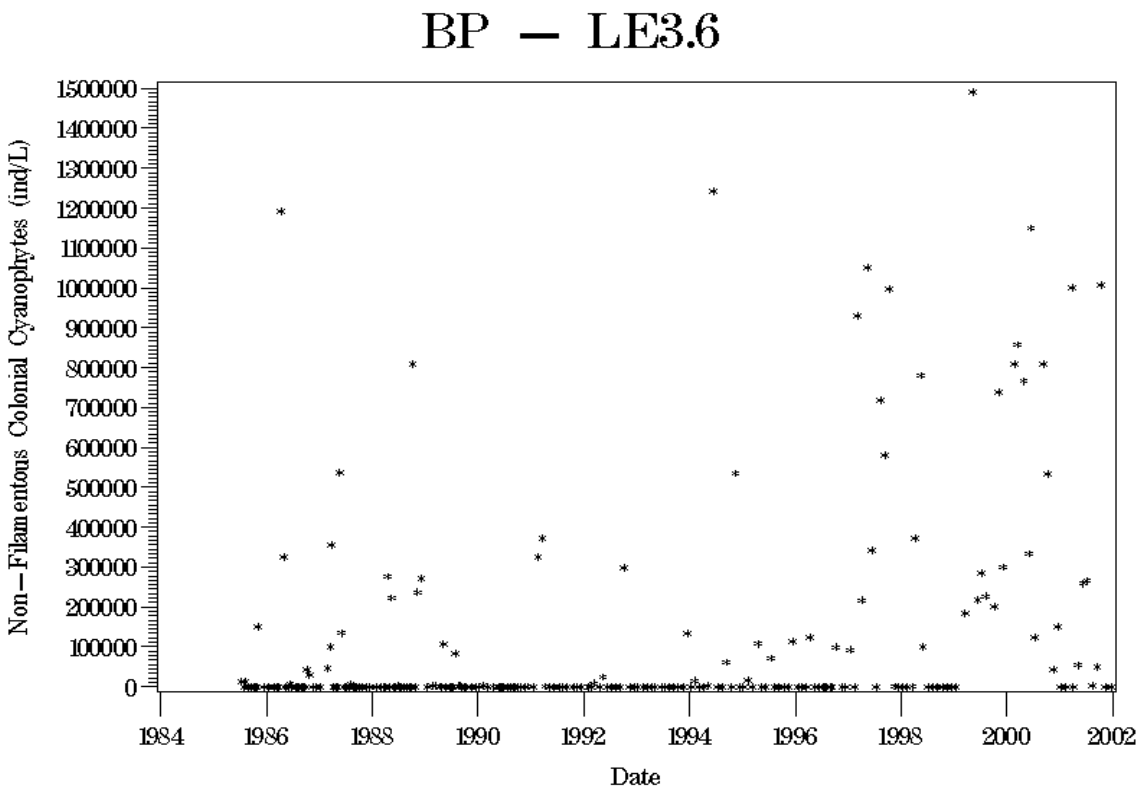

Figure F301. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station LE3.6 for the period of 1985 through 2001.

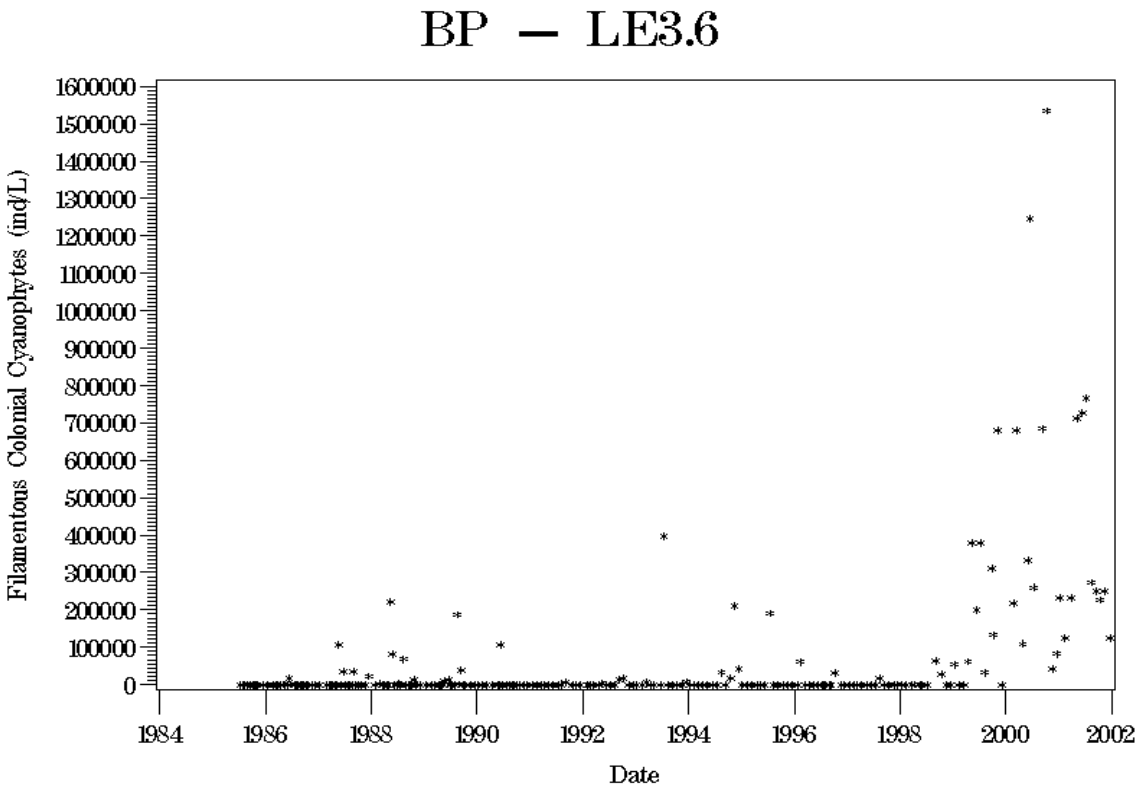

Figure F302. Plot of below pycnocline filamentous colonial cyanophyte abundance at station LE3.6 for the period of 1985 through 2001.

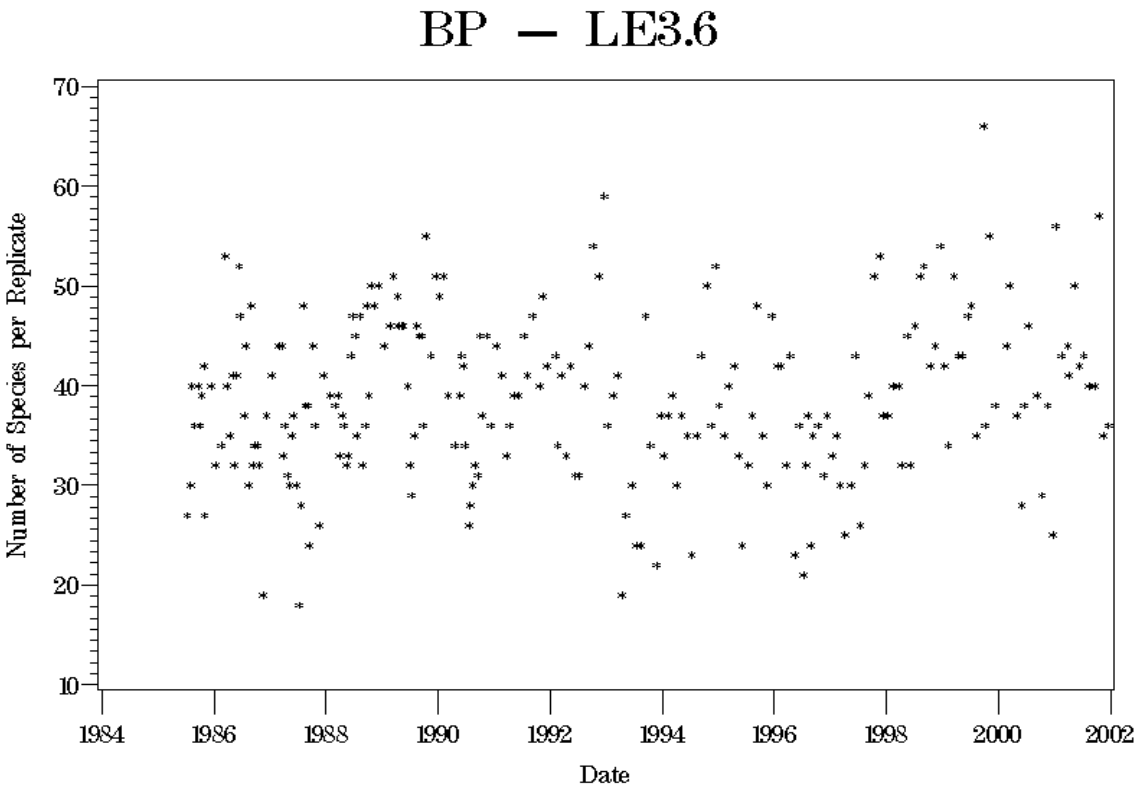

Figure F303. Plot of below pycnocline number of species per replicate at station LE3.6 for the period of 1985 through 2001.

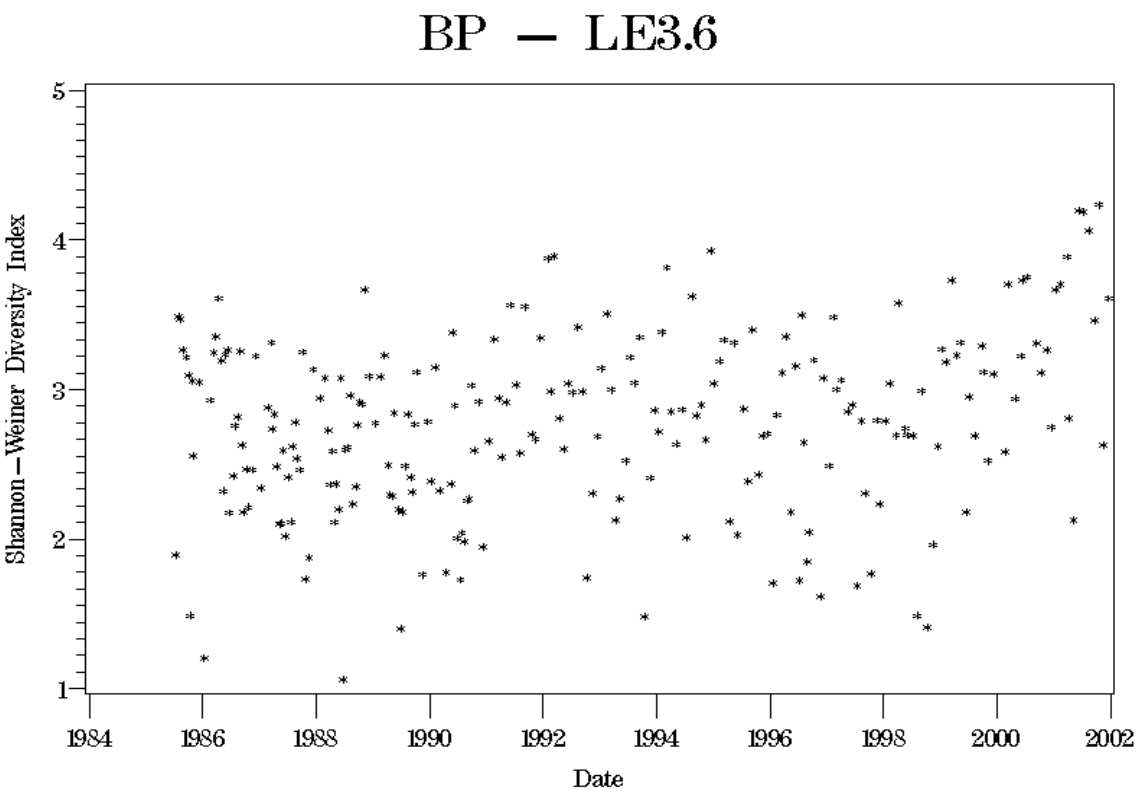

Figure F304. Plot of below pycnocline Shannon-Weiner diversity index at station LE3.6 for the period of 1985 through 2001.

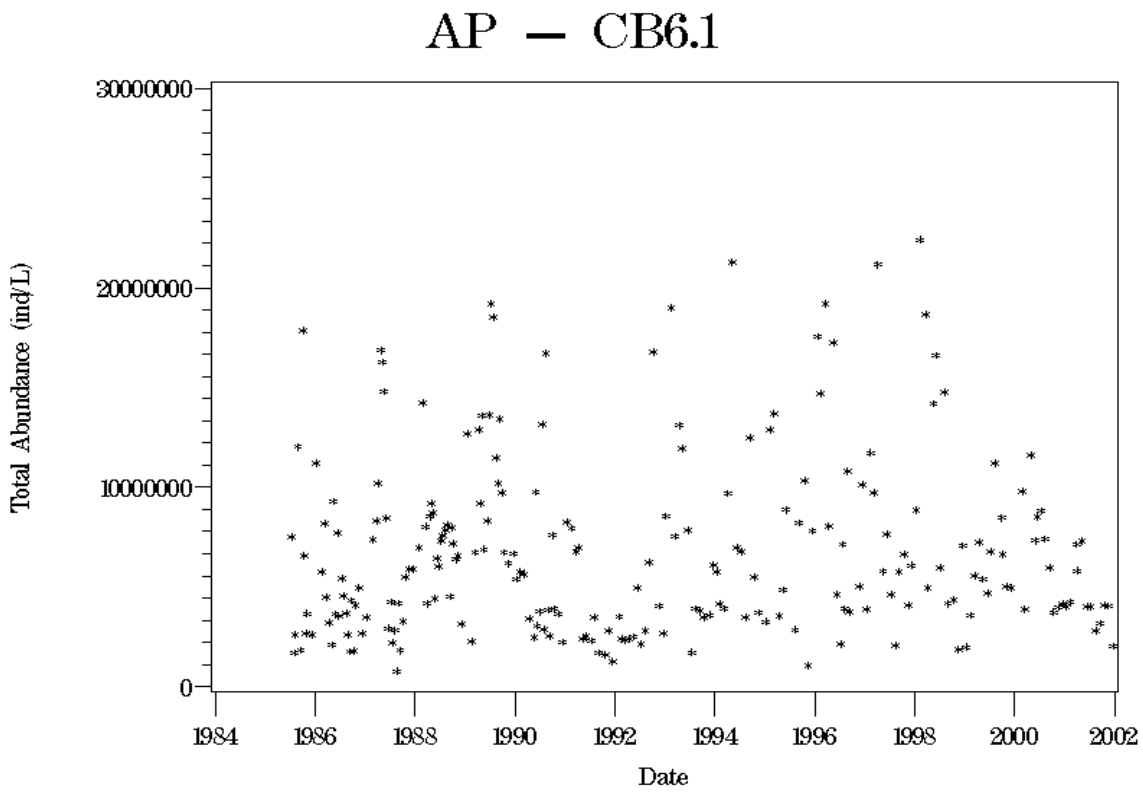

Figure F305. Plot of above pycnocline total phytoplankton abundance against time at station CB6.1 for the period of 1985 through 2001.

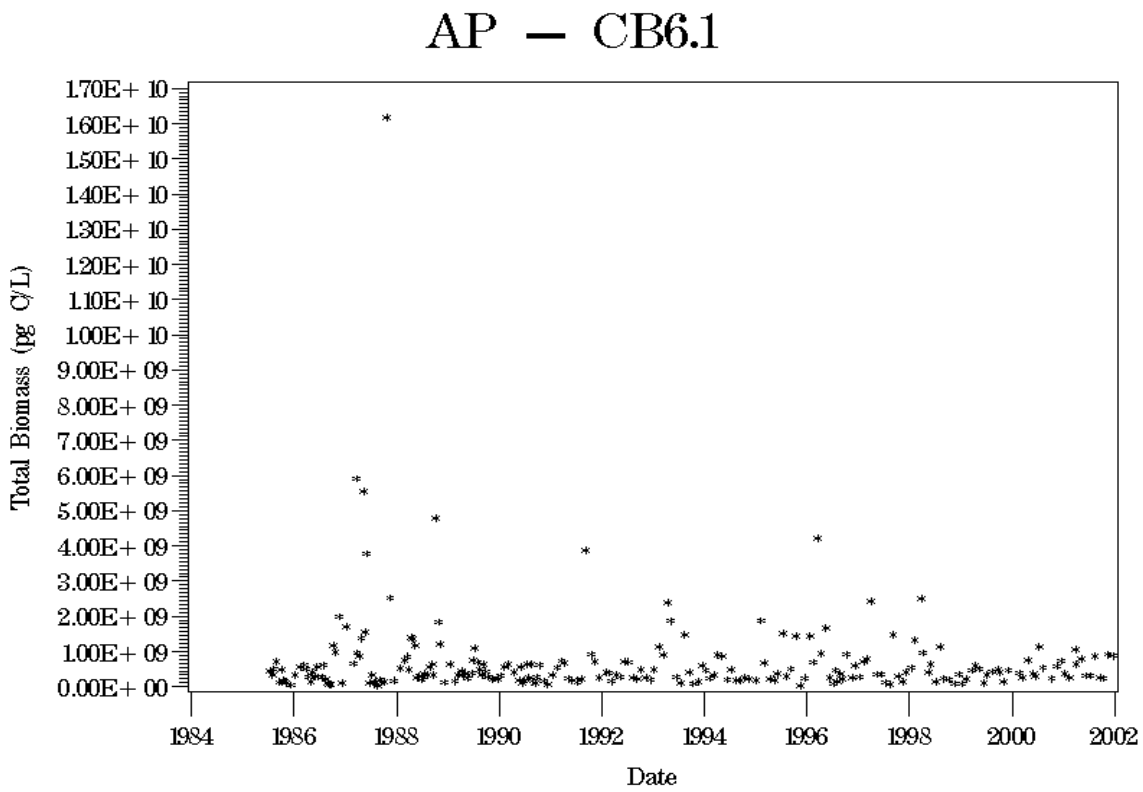

Figure F306. Plot of above pycnocline total phytoplankton biomass against time at station CB6.1 for the period of 1985 through 2001.

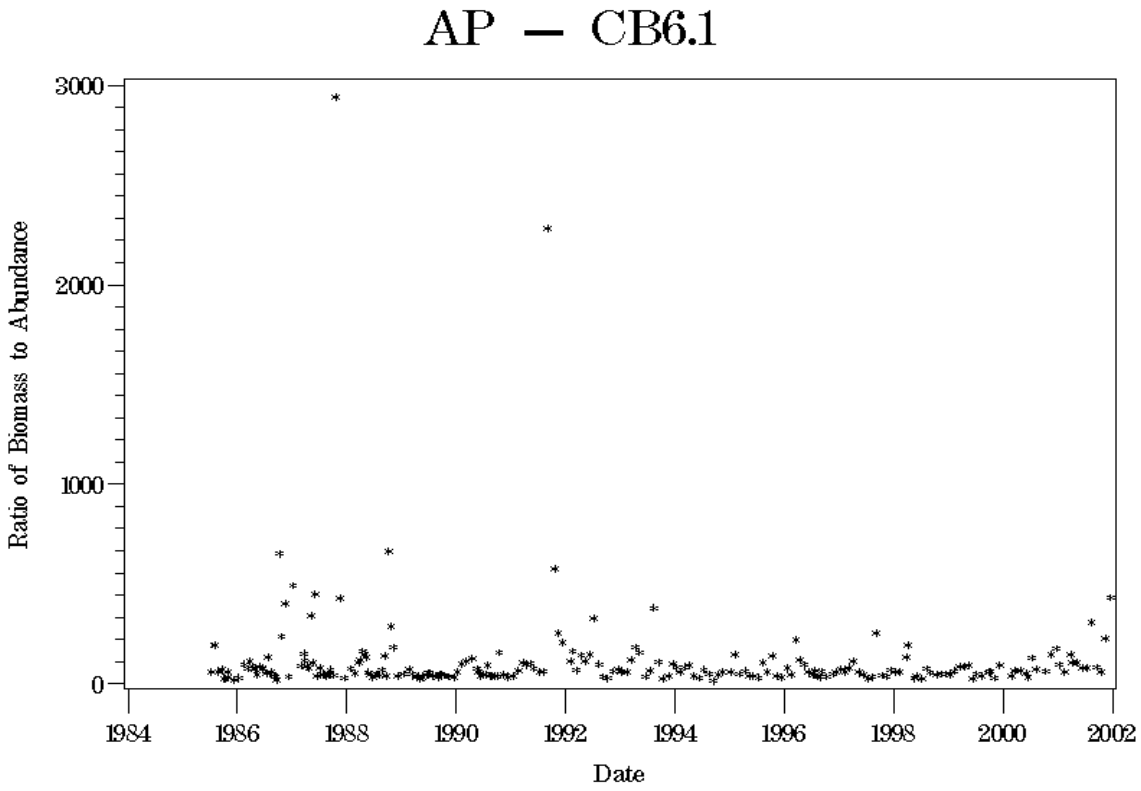

Figure F307. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB6.1 for the period of 1985 through 2001.

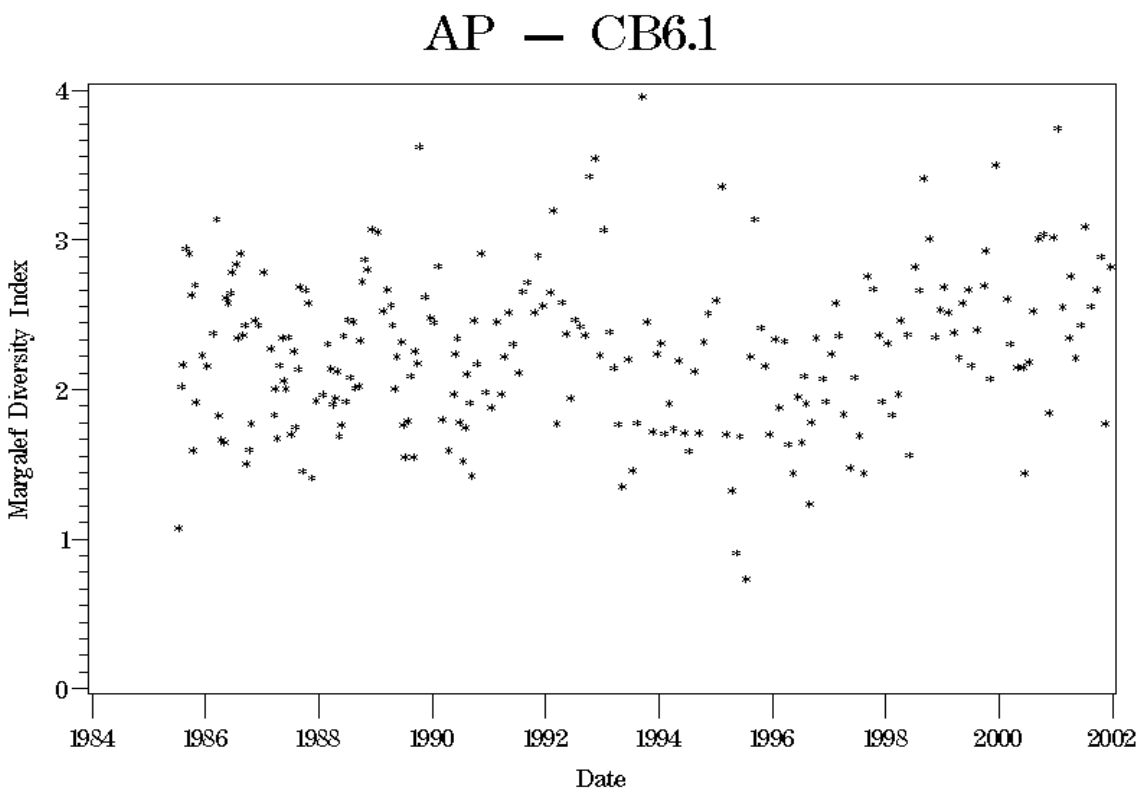

Figure F308. Plot of above pycnocline Margalef diversity index against time at station CB6.1 for the period of 1985 through 2001.

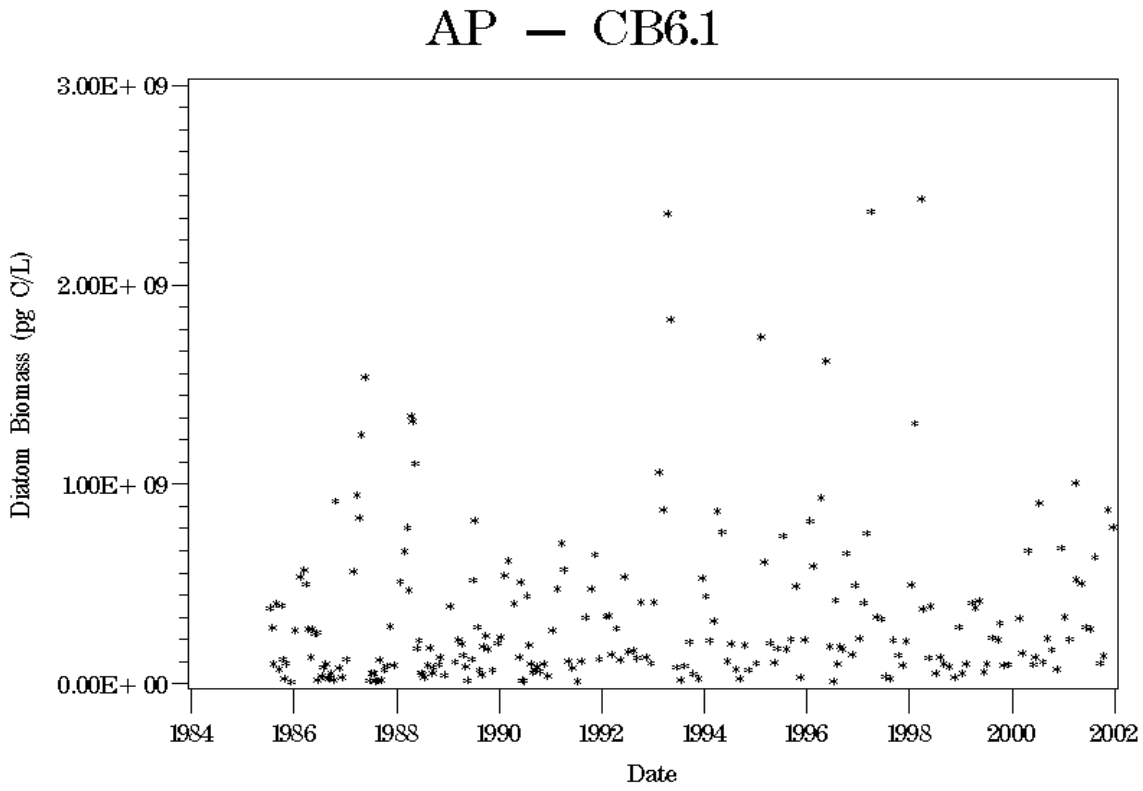

Figure F309. Plot of above pycnocline diatom biomass against time at station CB6.1 for the period of 1985 through 2001.

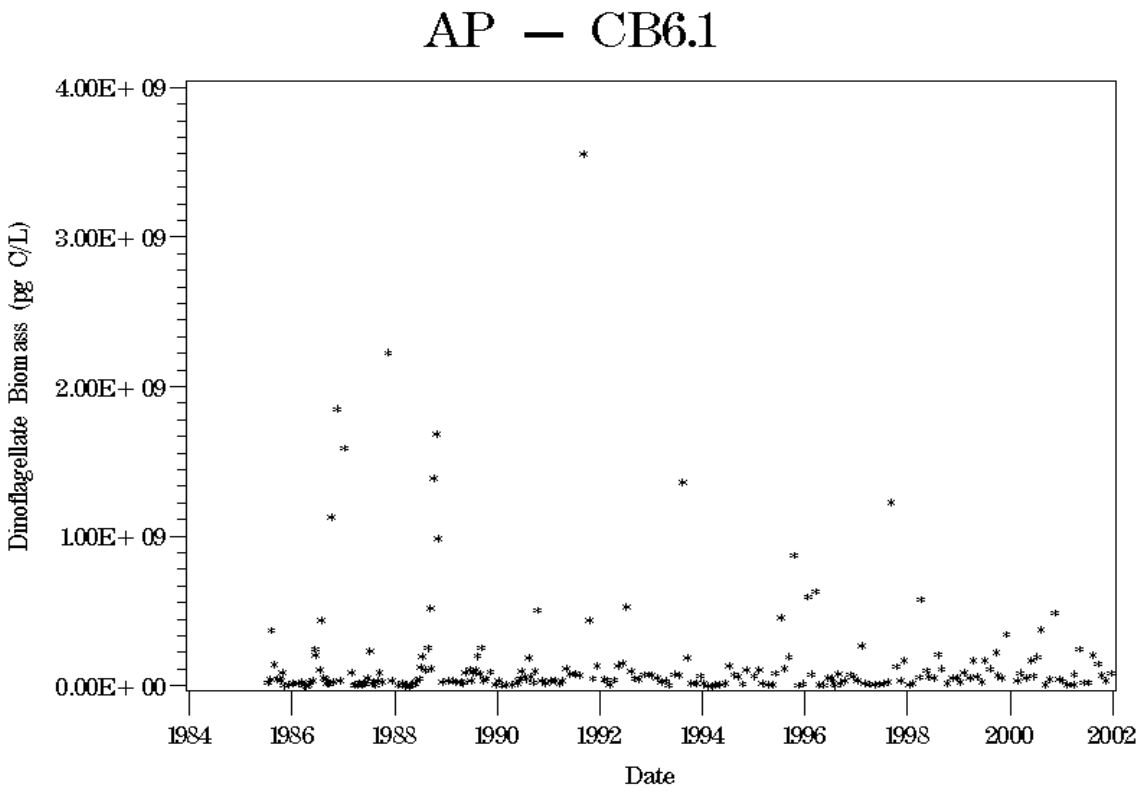

Figure F310. Plot of above pycnocline dinoflagellate biomass against time at station CB6.1 for the period of 1985 through 2001.

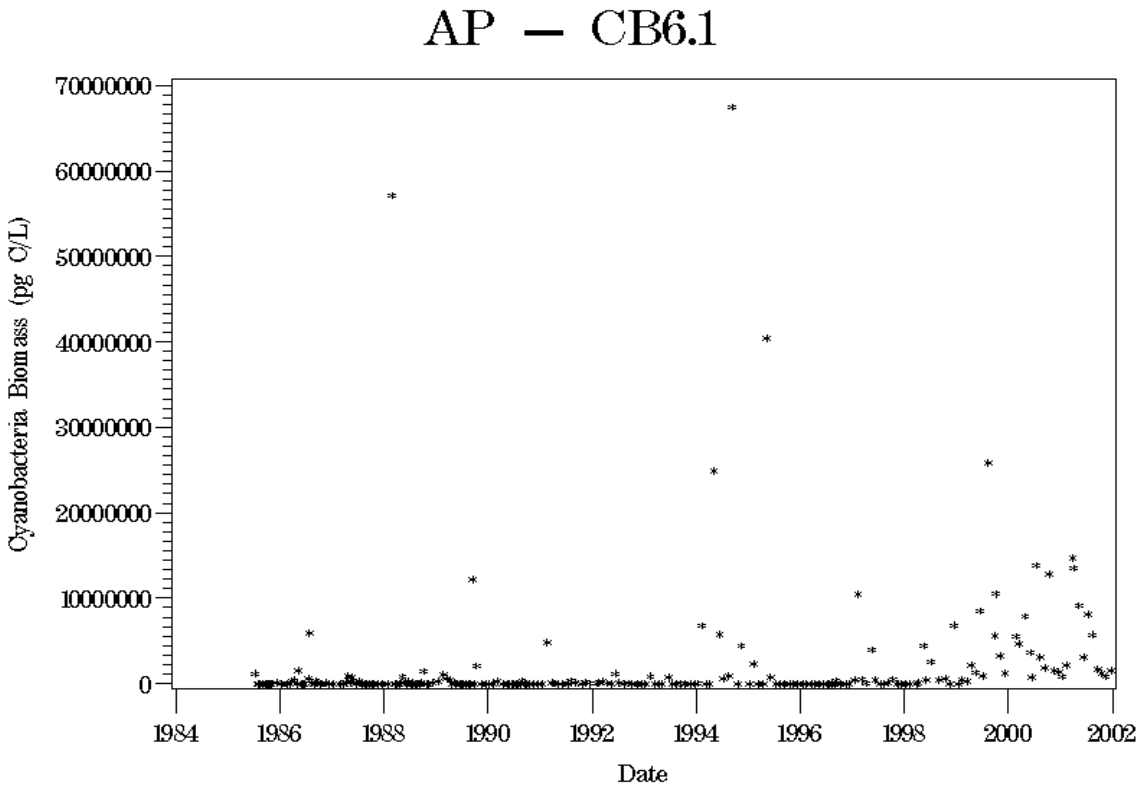

Figure F311. Plot of above pycnocline cyanobacteria biomass against time at station CB6.1 for the period of 1985 through 2001.

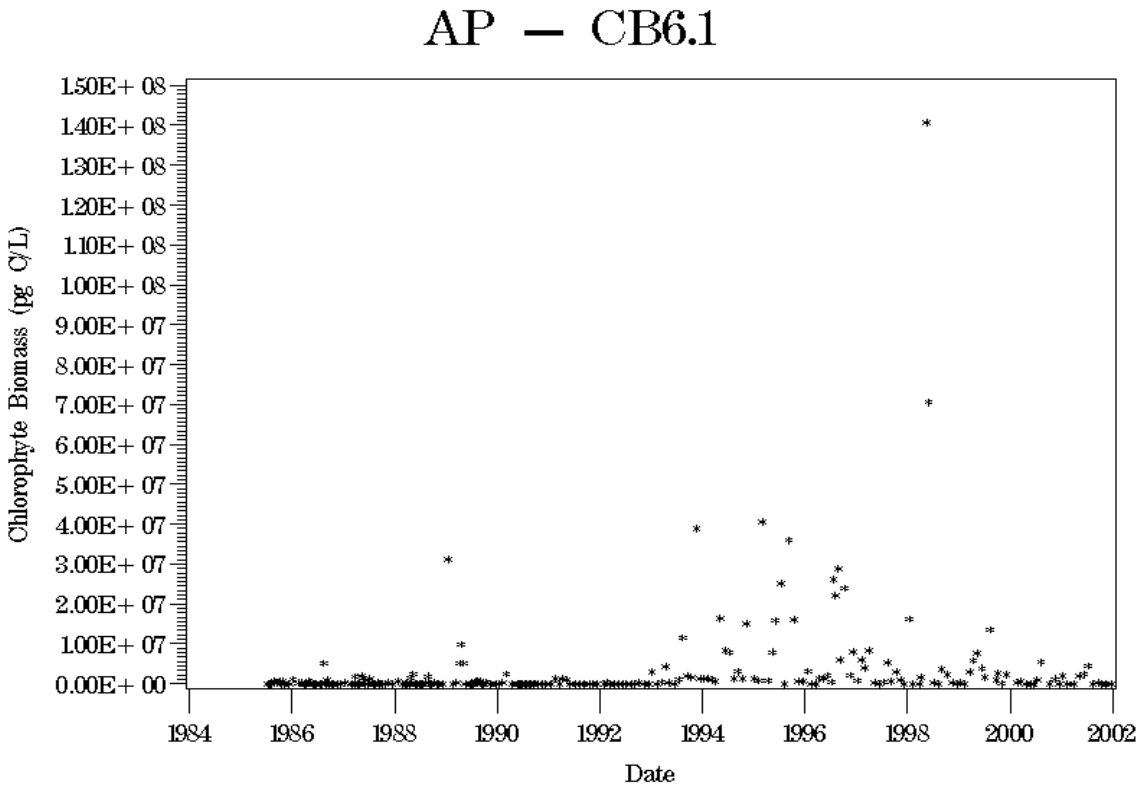

Figure F312. Plot of above pycnocline chlorophyte biomass against time at station CB6.1 for the period of 1985 through 2001.

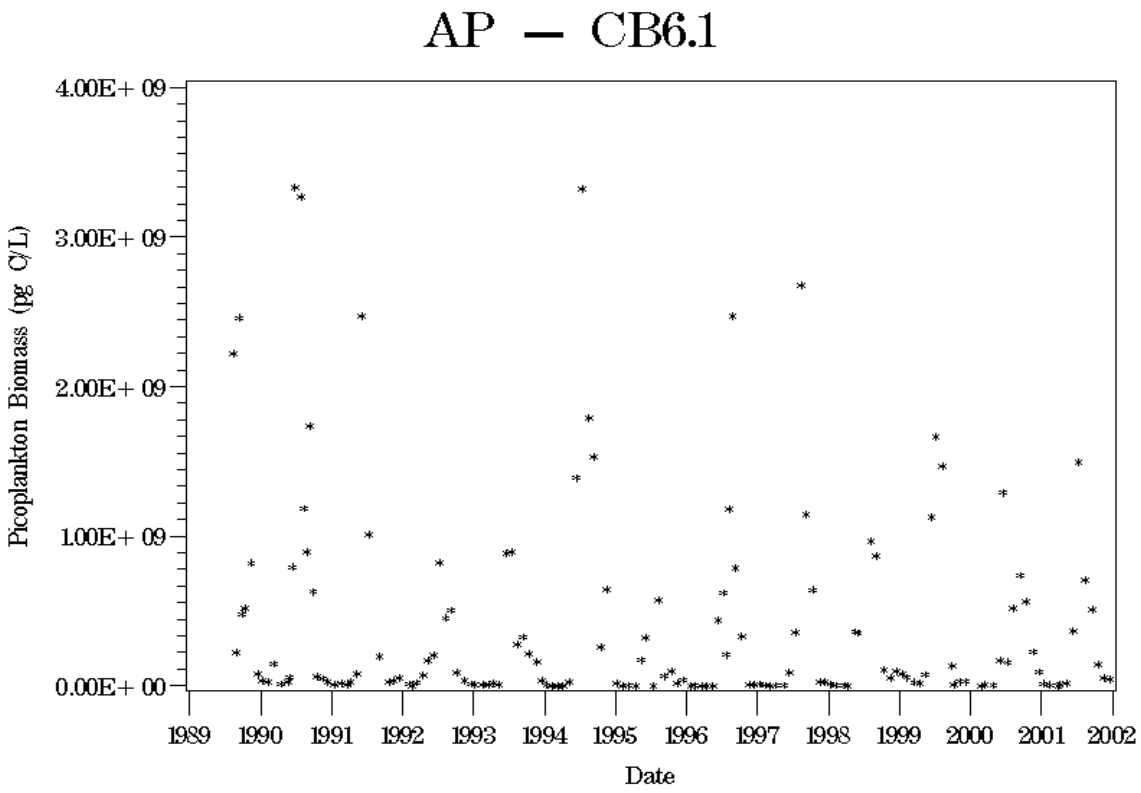

Figure F313. Plot of above pycnocline picoplankton biomass against time at station CB6.1 for the period of 1989 through 2001.

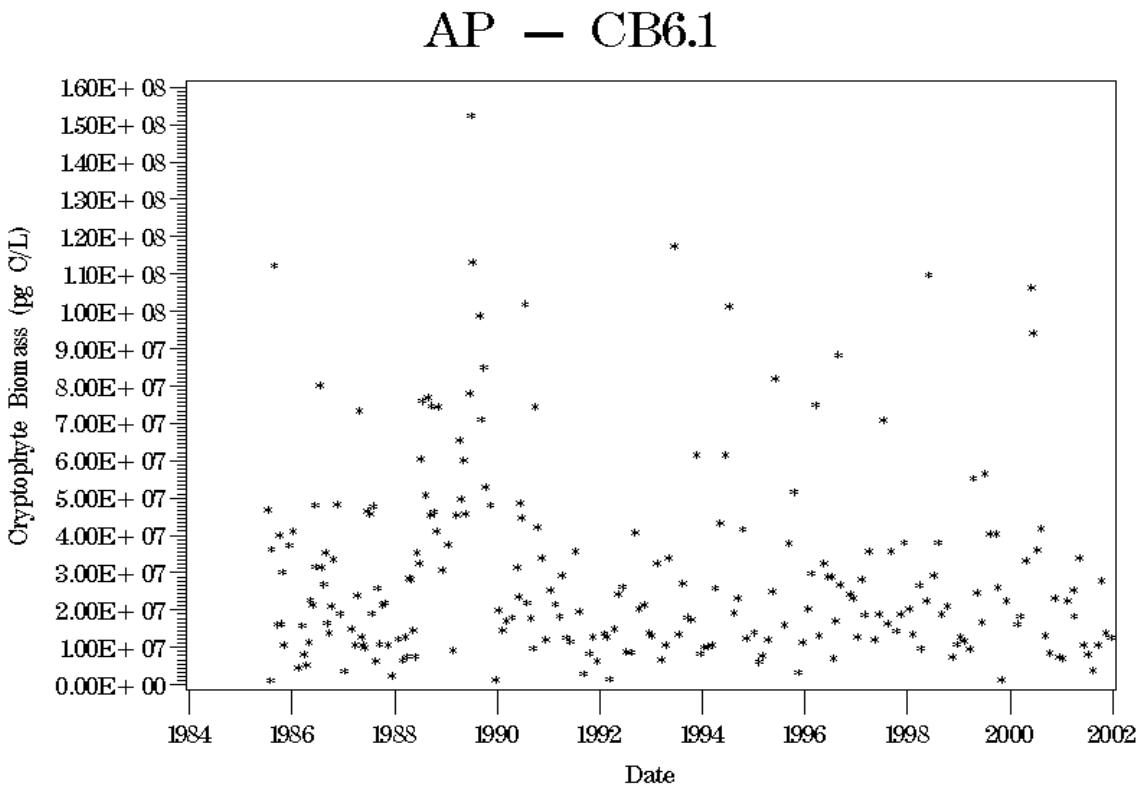

Figure F314. Plot of above pycnocline cryptophyte biomass at station CB6.1 for the period of 1985 through 2001.

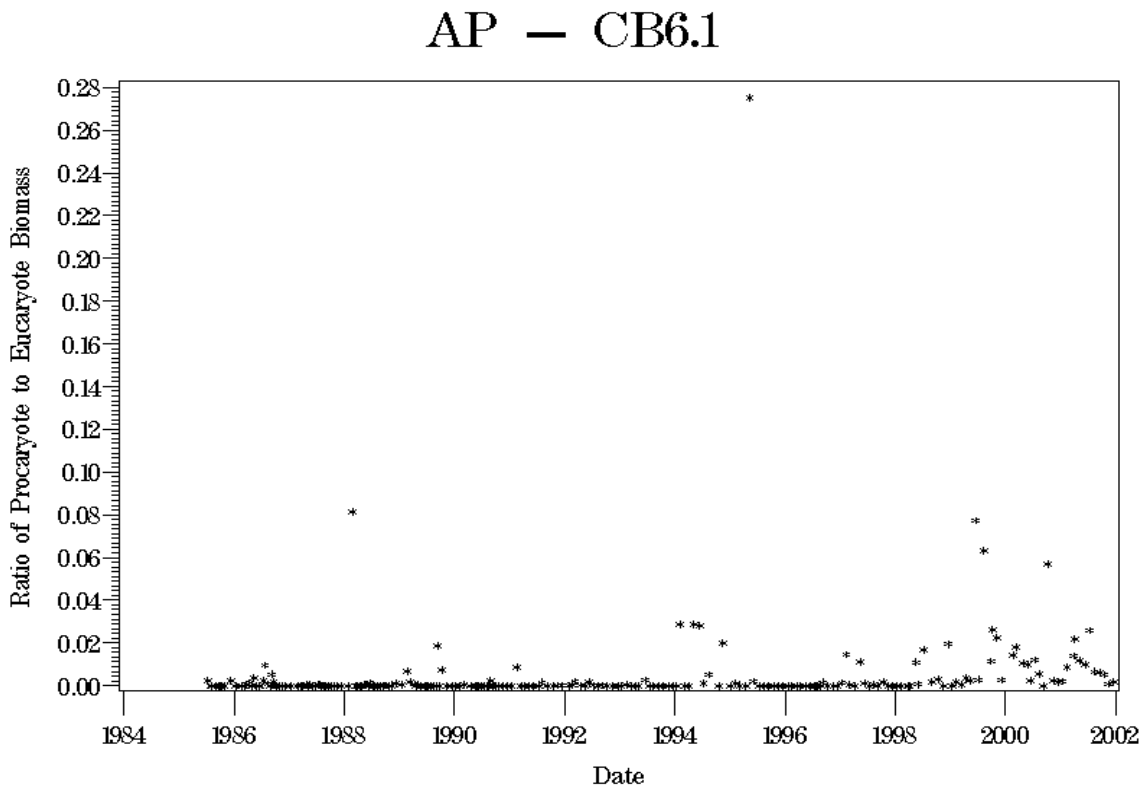

Figure F315. Plot of above pycnocline ratio of procaryote to eucaryote biomass at station CB6.1 for the period of 1985 through 2001.

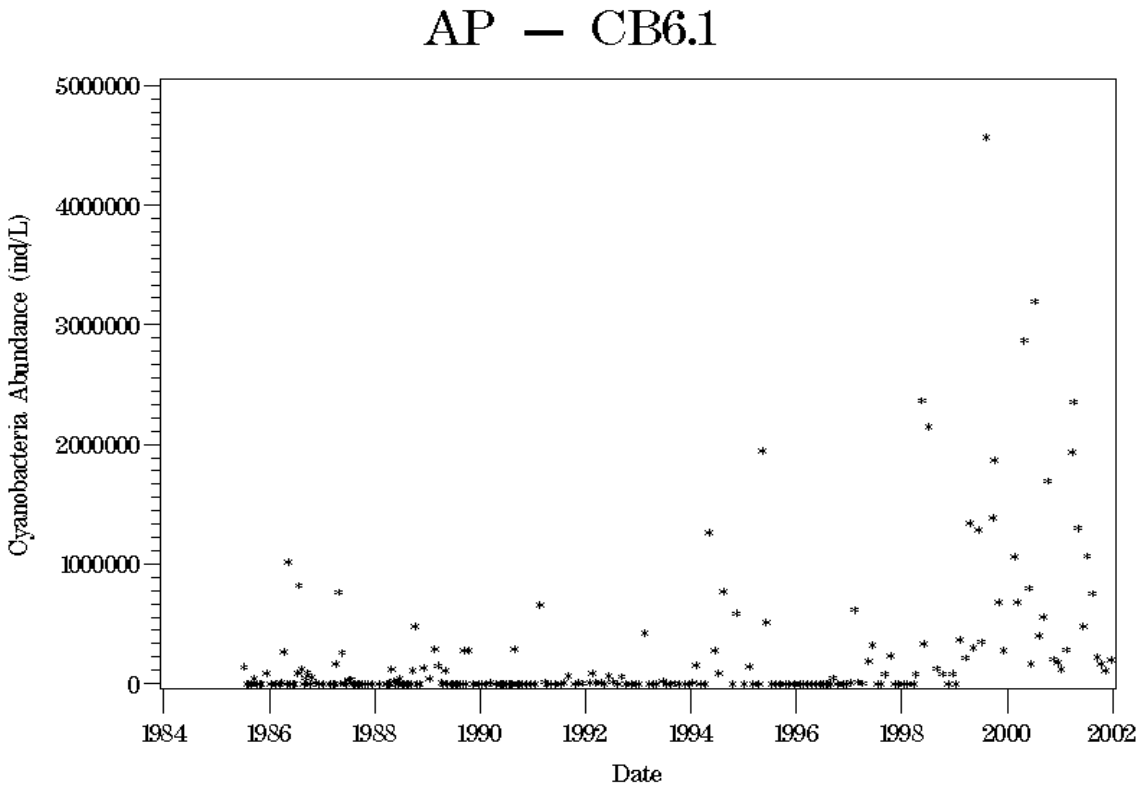

Figure F316. Plot of above pycnocline cyanophyte abundance at station CB6.1 for the period of 1985 through 2001.

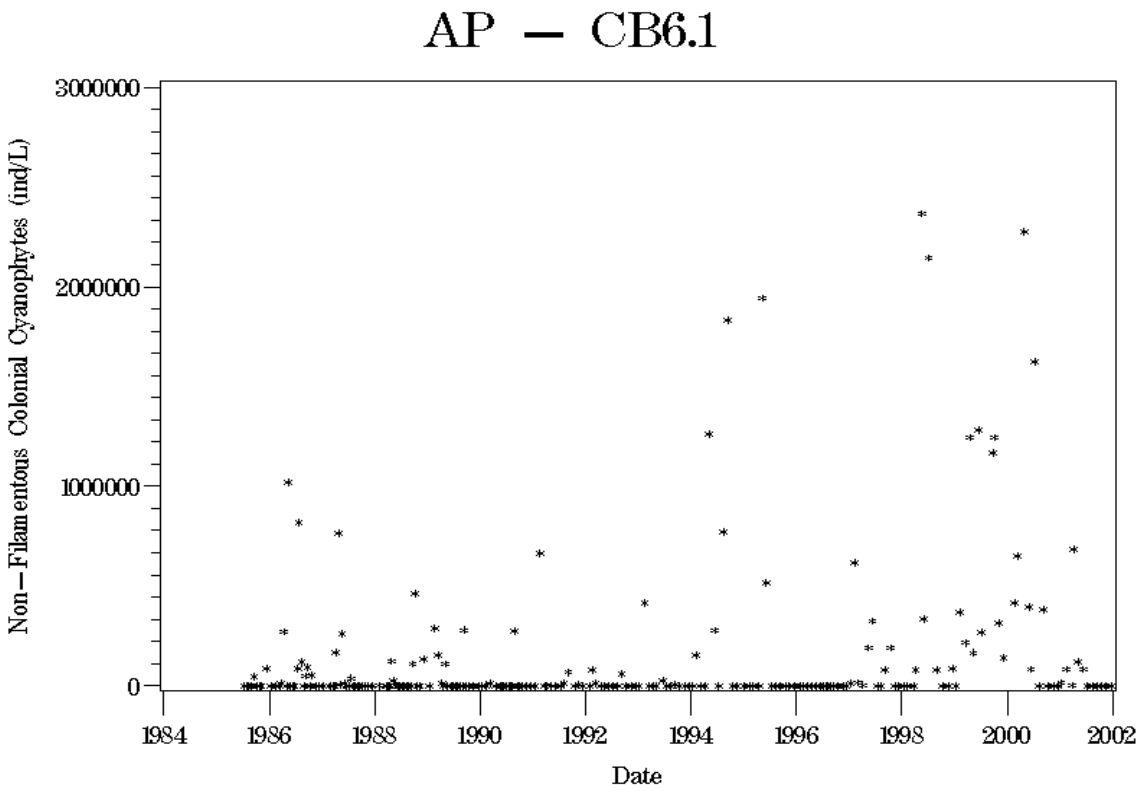

Figure F317. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station CB6.1 for the period of 1985 through 2001.

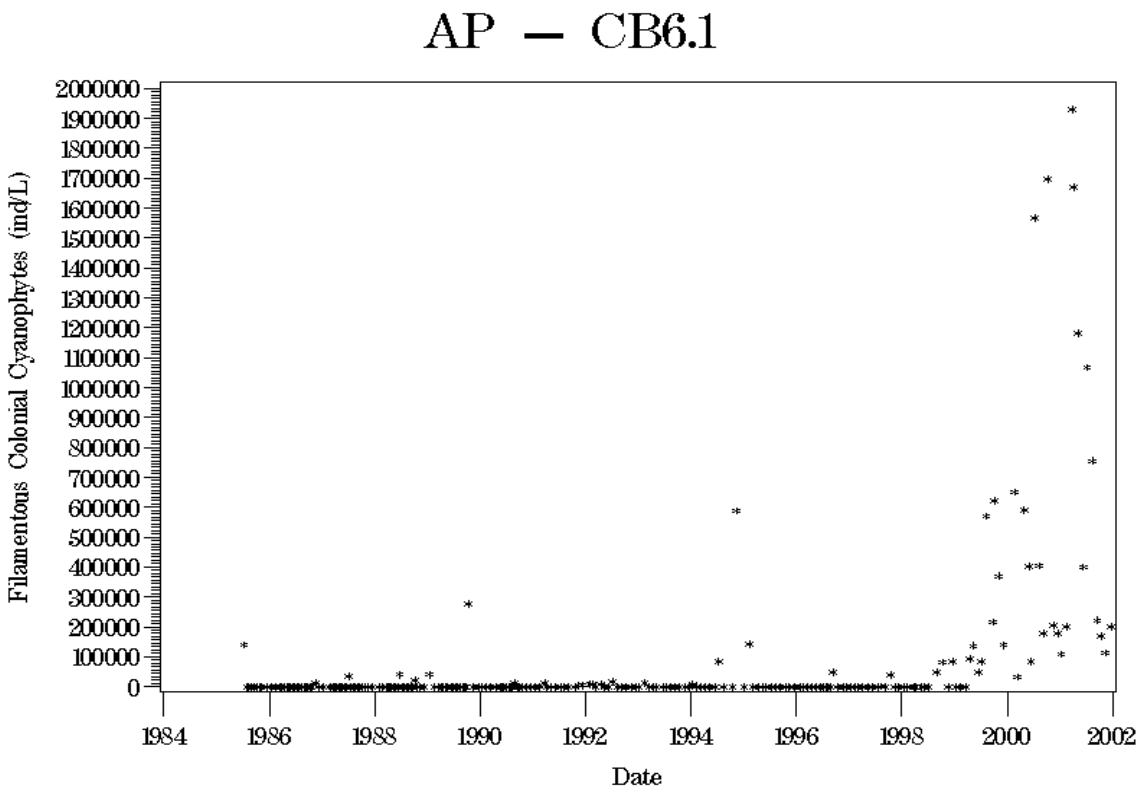

Figure F318. Plot of above pycnocline filamentous colonial cyanophyte abundance at station CB6.1 for the period of 1985 through 2001.

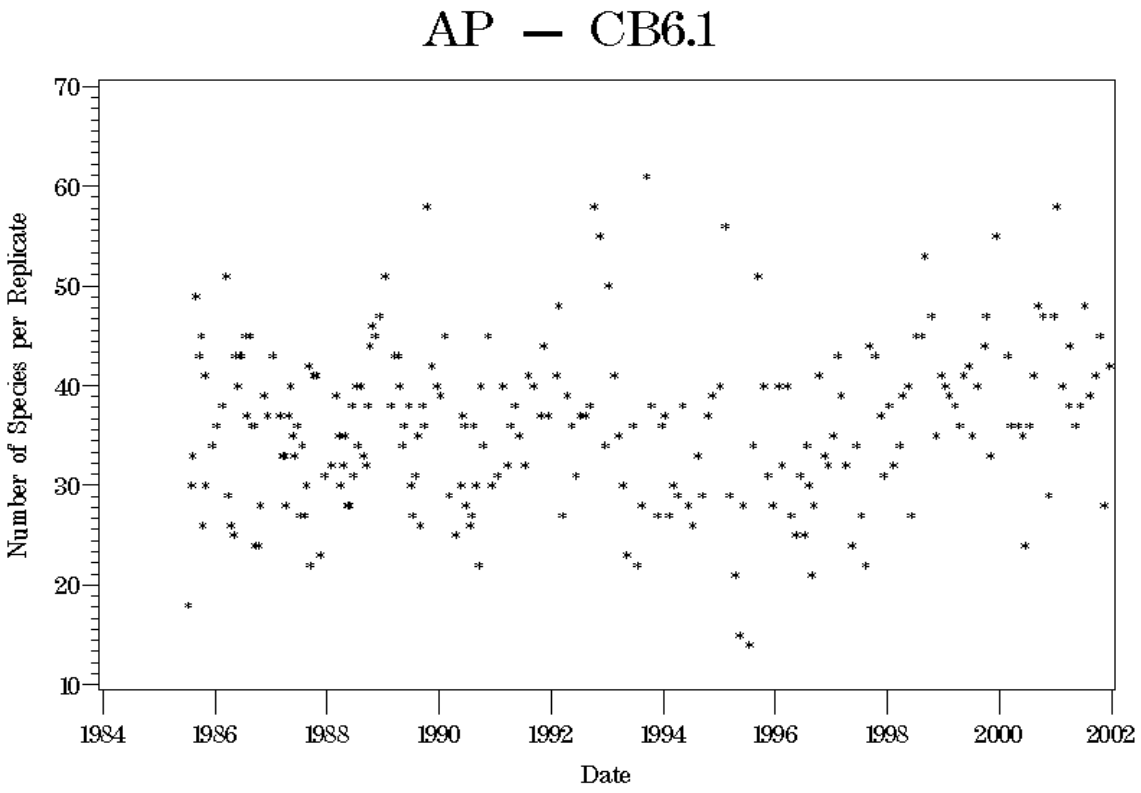

Figure F319. Plot of above pycnocline number of species per replicate at station CB6.1 for the period of 1985 through 2001.

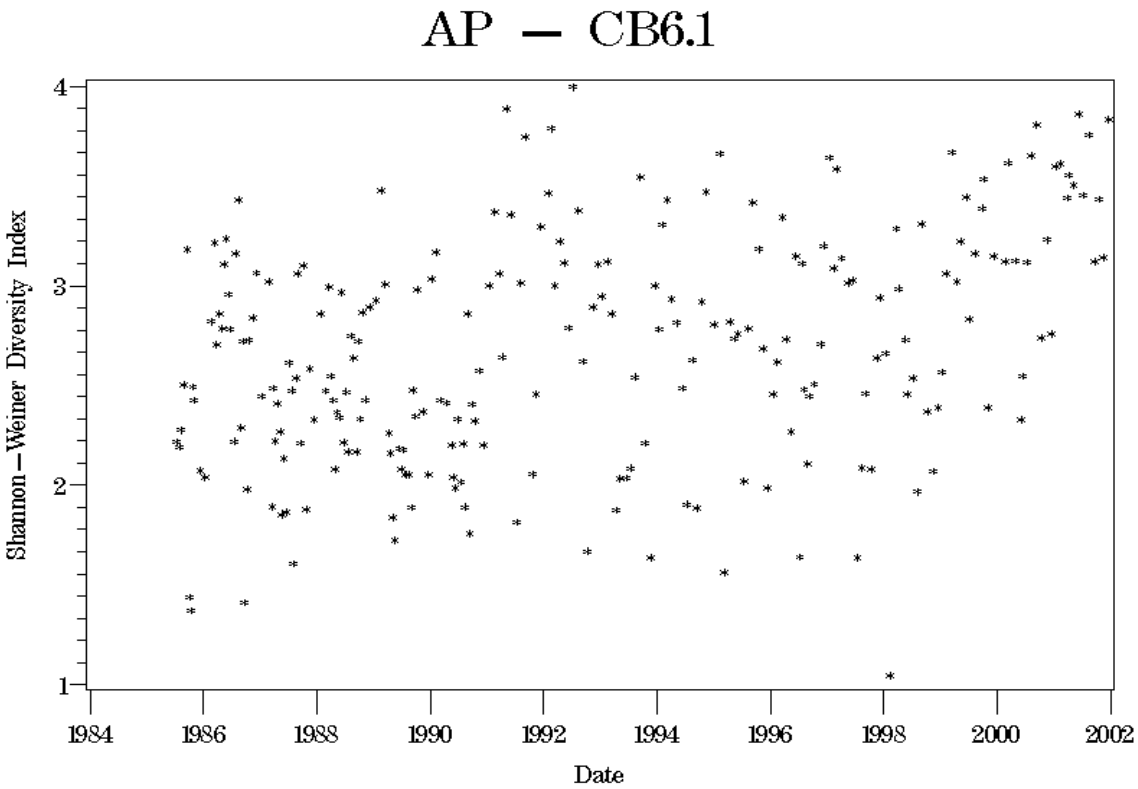

Figure F320. Plot of above pycnocline Shannon-Weiner diversity index at station CB6.1 for the period of 1985 through 2001.

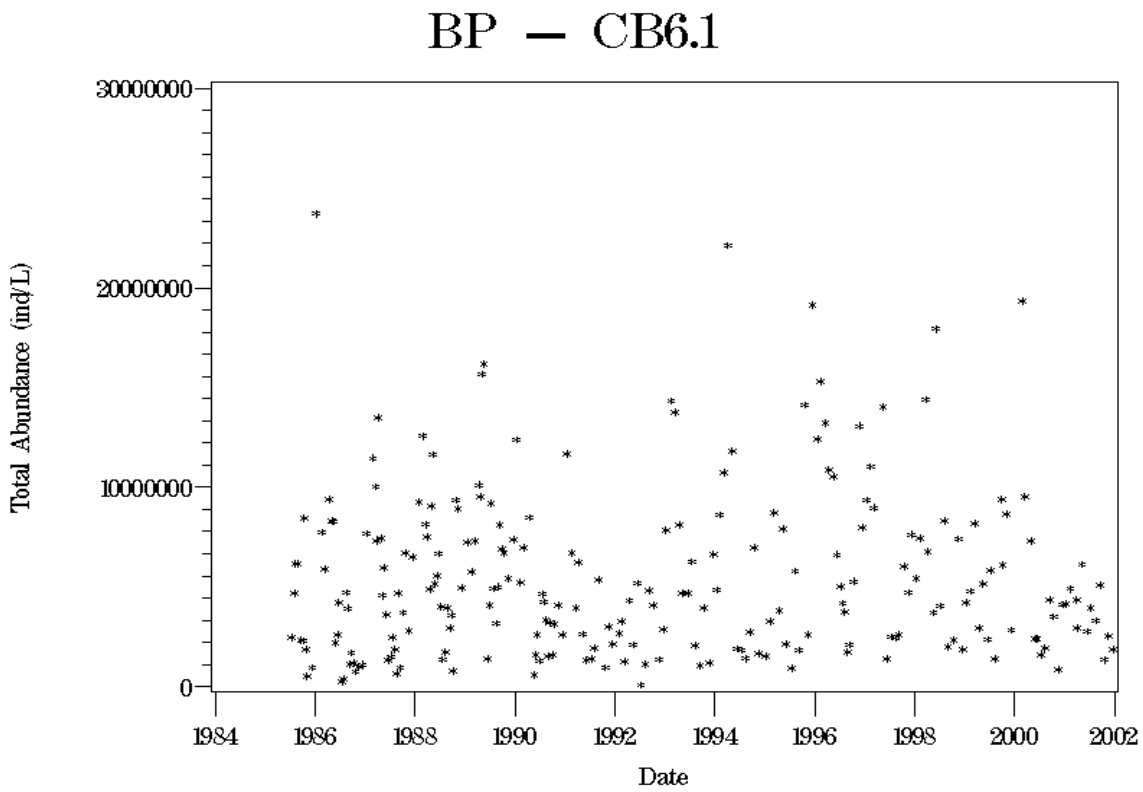

Figure F321. Plot of below pycnocline total phytoplankton abundance against time at station CB6.1 for the period of 1985 through 2001.

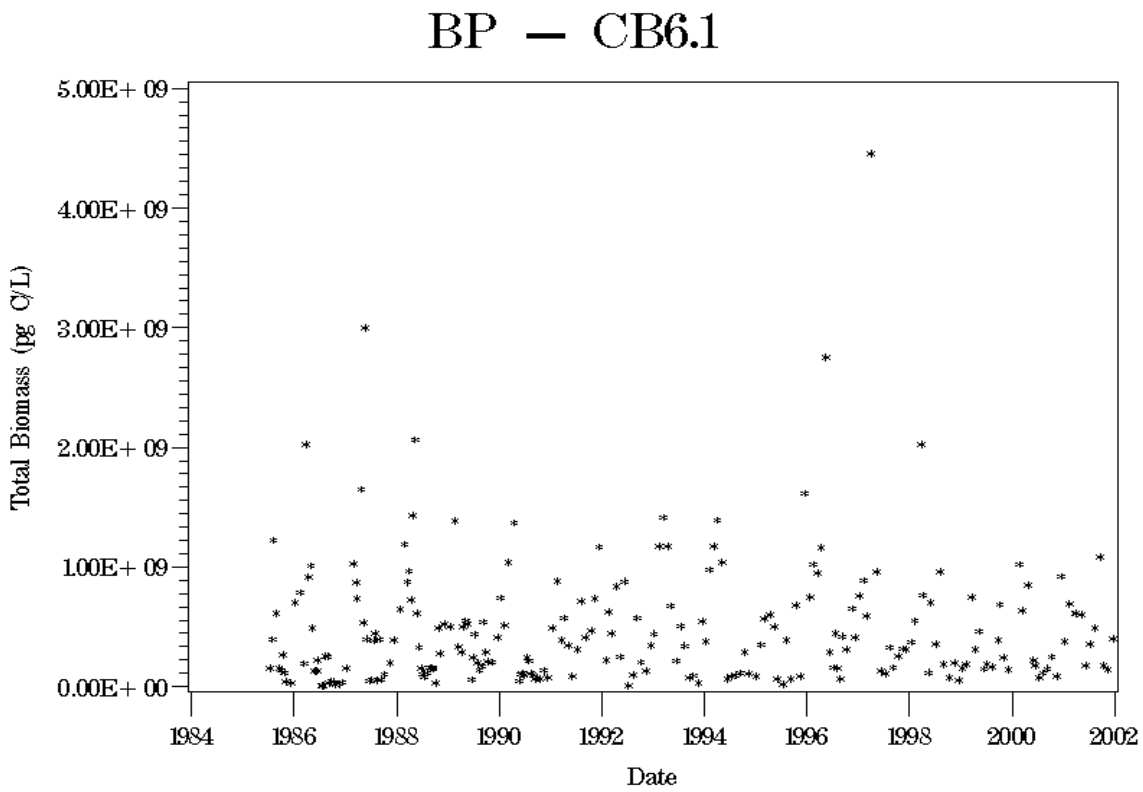

Figure F322. Plot of below pycnocline total phytoplankton biomass against time at station CB6.1 for the period of 1985 through 2001.

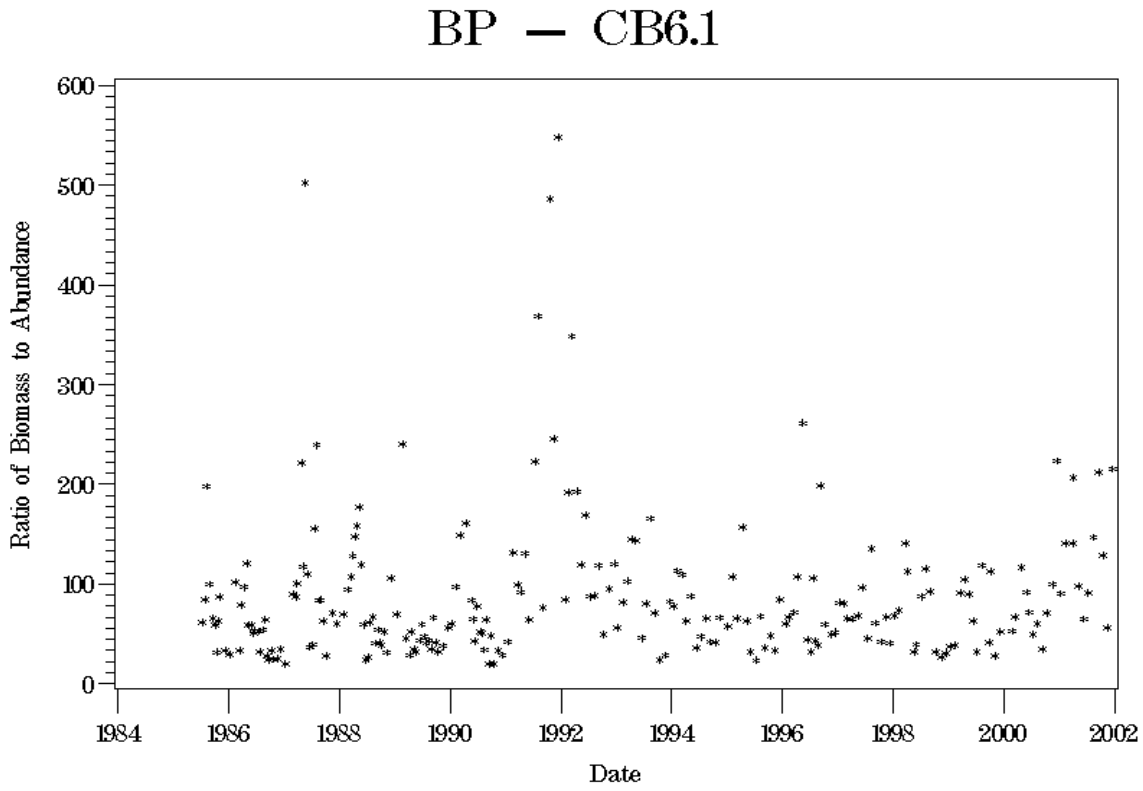

Figure F323. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB6.1 for the period of 1985 through 2001.

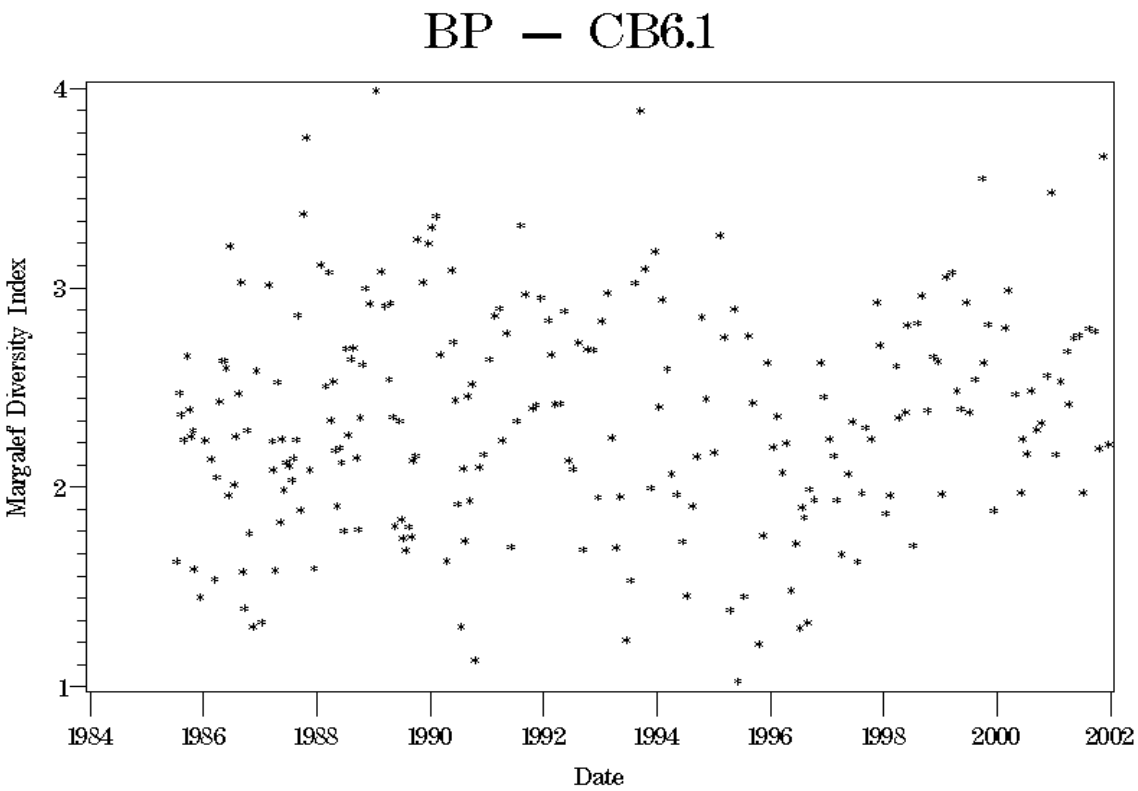

Figure F324. Plot of below pycnocline Margalef diversity index against time at station CB6.1 for the period of 1985 through 2001.

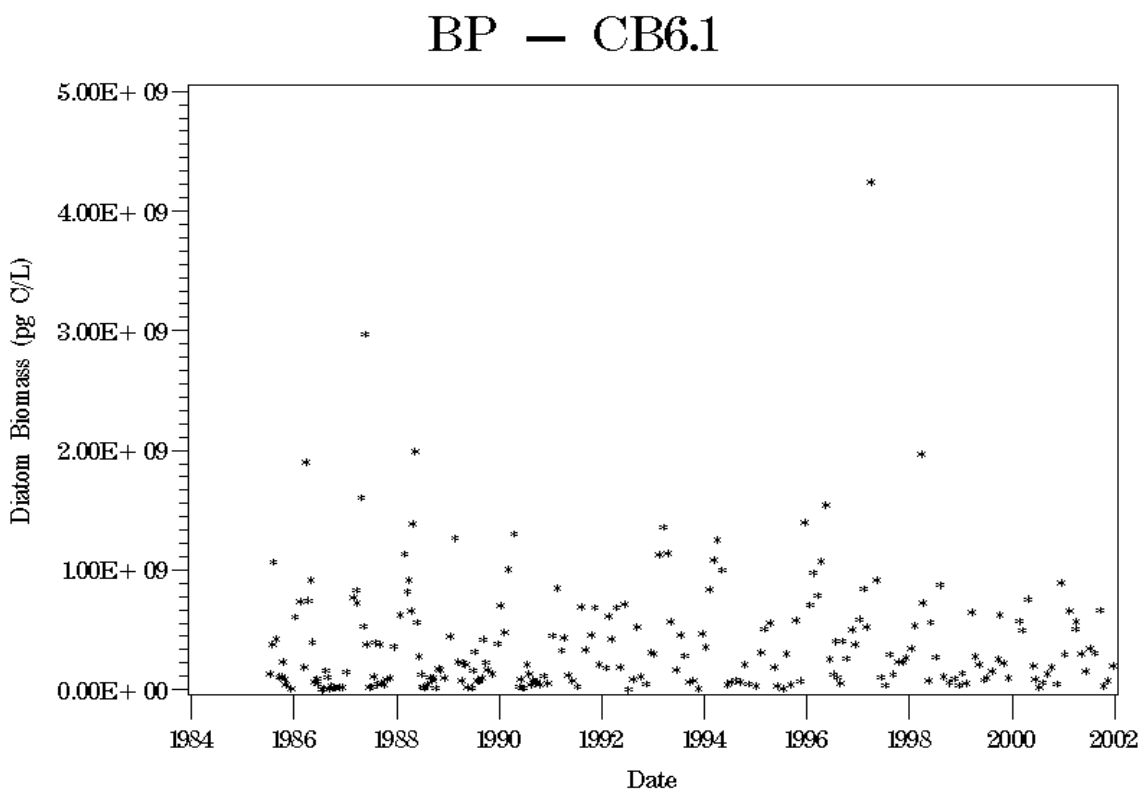

Figure F325. Plot of below pycnocline diatom biomass against time at station CB6.1 for the period of 1985 through 2001.

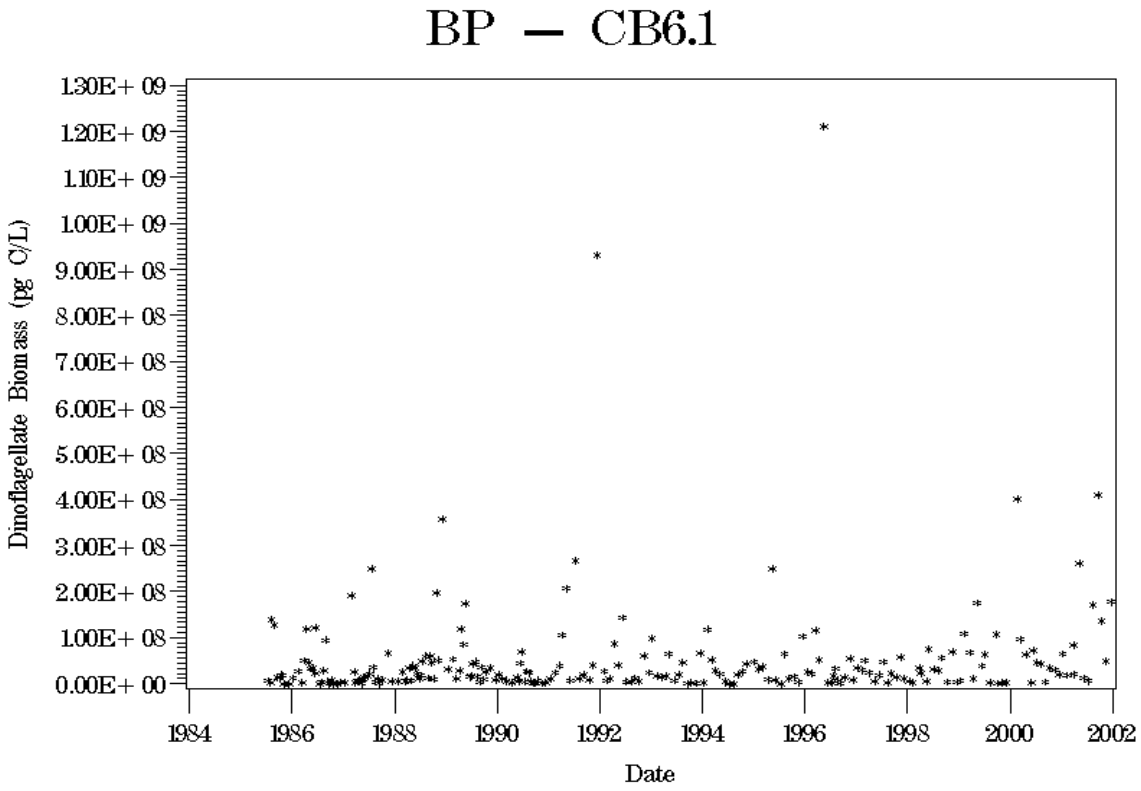

Figure F326. Plot of below pycnocline dinoflagellate biomass against time at station CB6.1 for the period of 1985 through 2001.

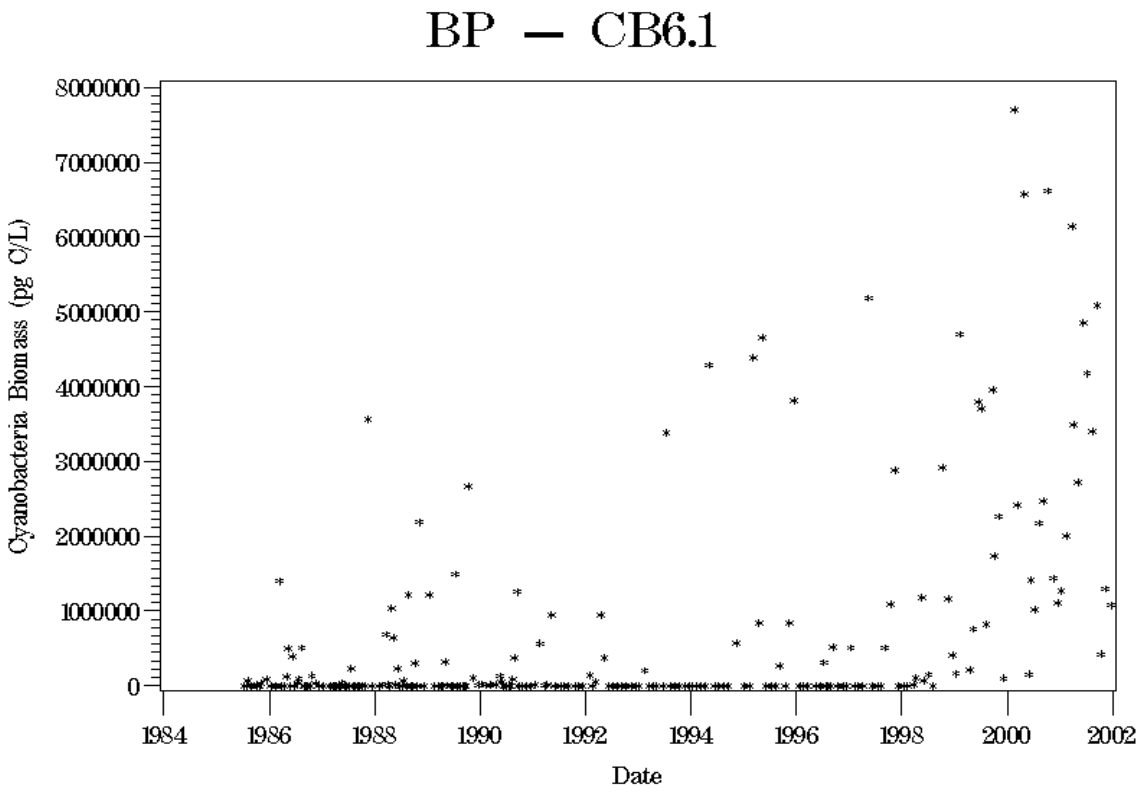

Figure F327. Plot of below pycnocline cyanobacteria biomass against time at station CB6.1 for the period of 1985 through 2001.

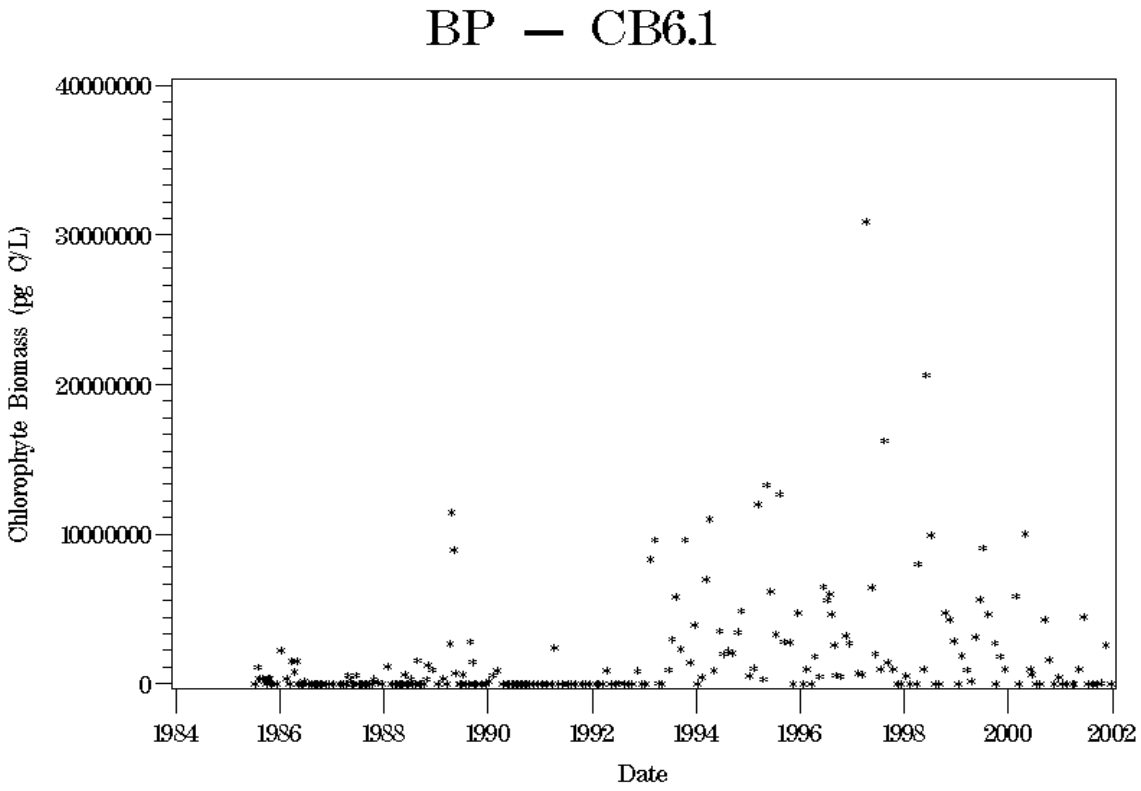

Figure F328. Plot of below pycnocline chlorophyte biomass against time at station CB6.1 for the period of 1985 through 2001.

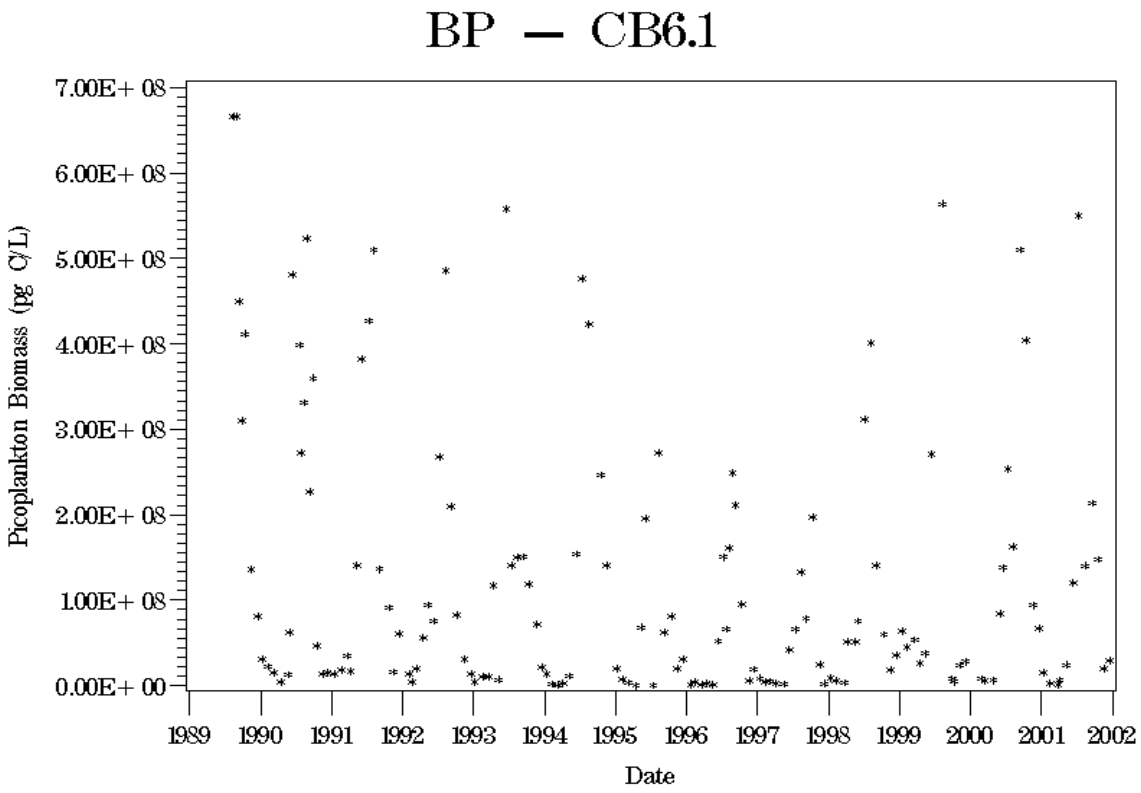

Figure F329. Plot of below pycnocline picoplankton biomass against time at station CB6.1 for the period of 1989 through 2001.

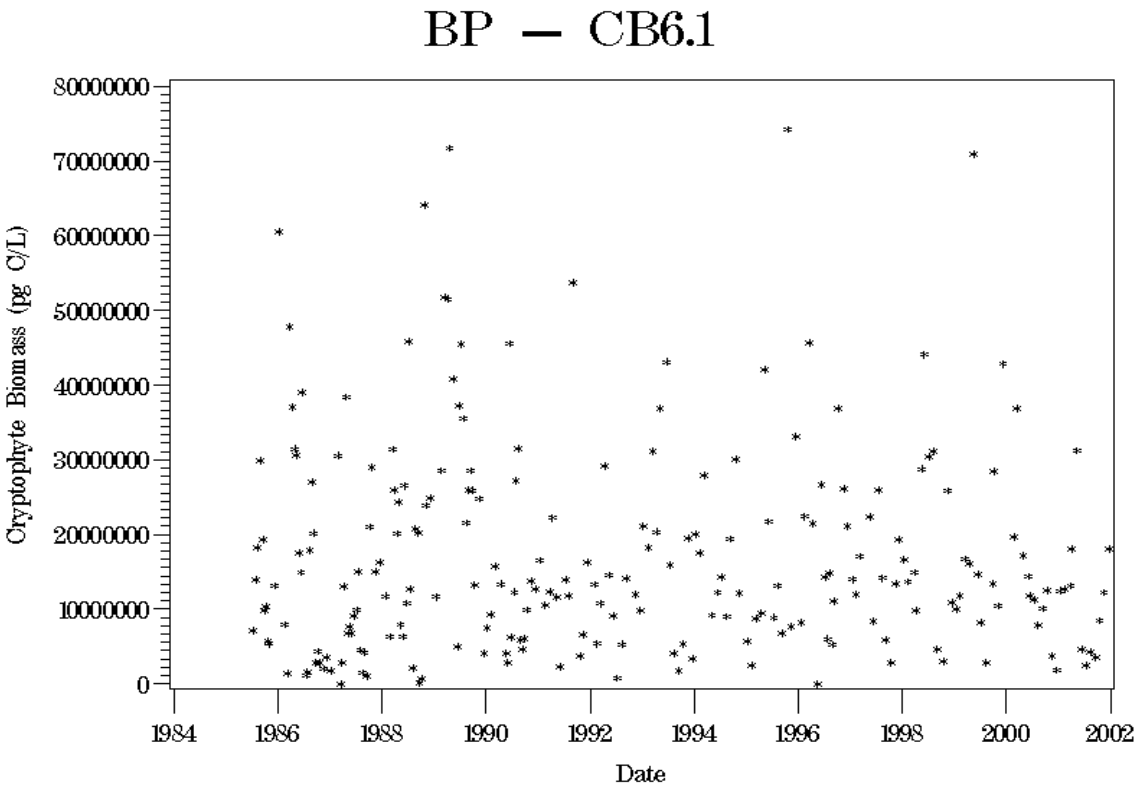

Figure F330. Plot of below pycnocline cryptophyte biomass at station CB6.1 for the period of 1985 through 2001.

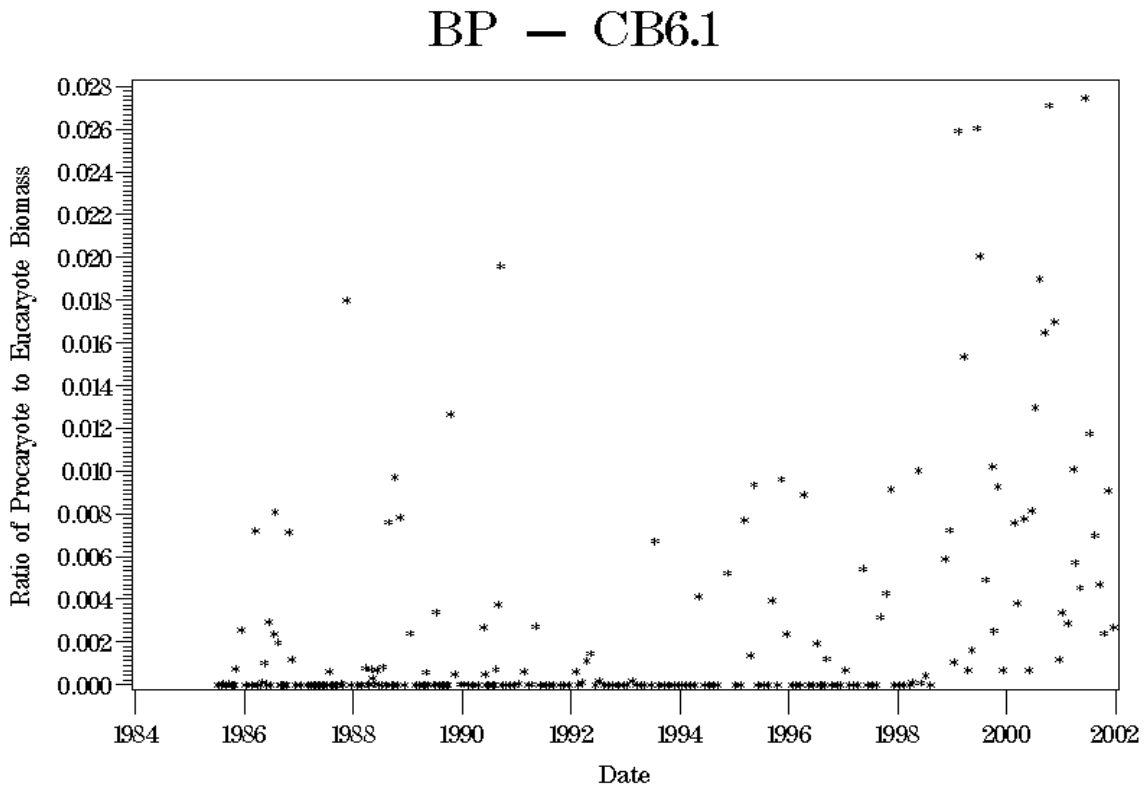

Figure F331. Plot of below pycnocline ratio of procaryote to eucaryote biomass at station CB6.1 for the period of 1985 through 2001.

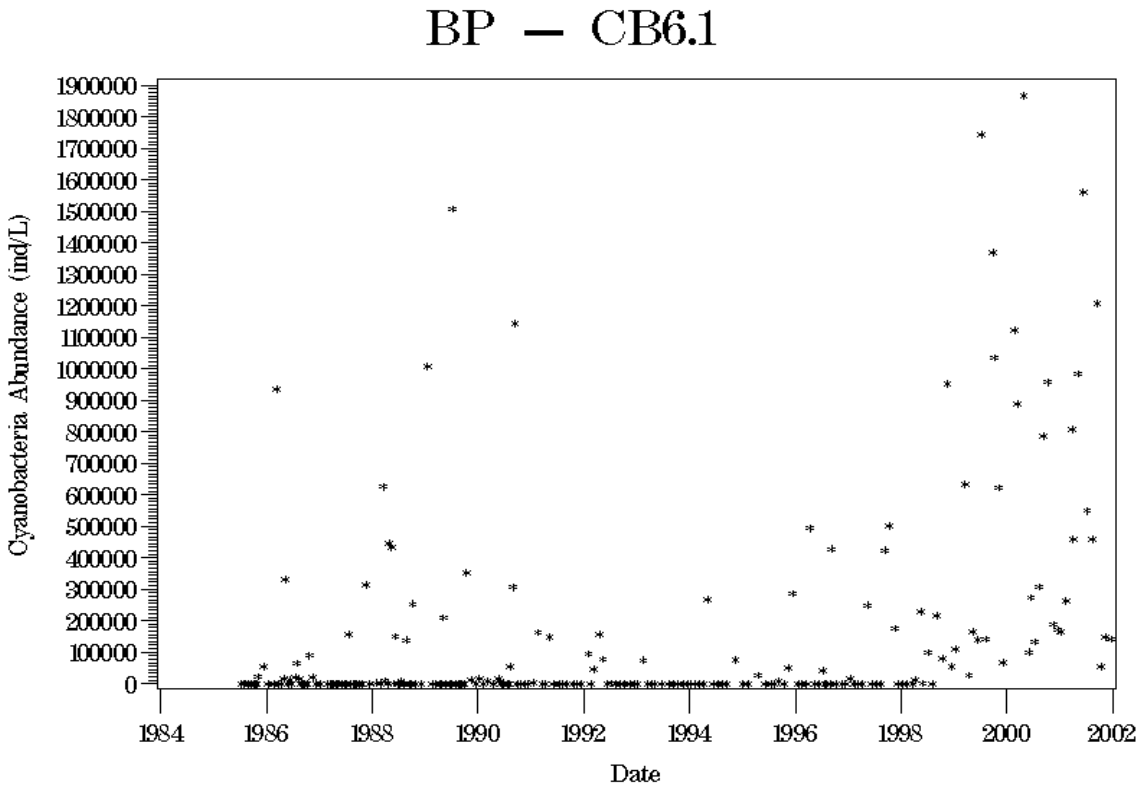

Figure F332. Plot of below pycnocline cyanophyte abundance at station CB6.1 for the period of 1985 through 2001.

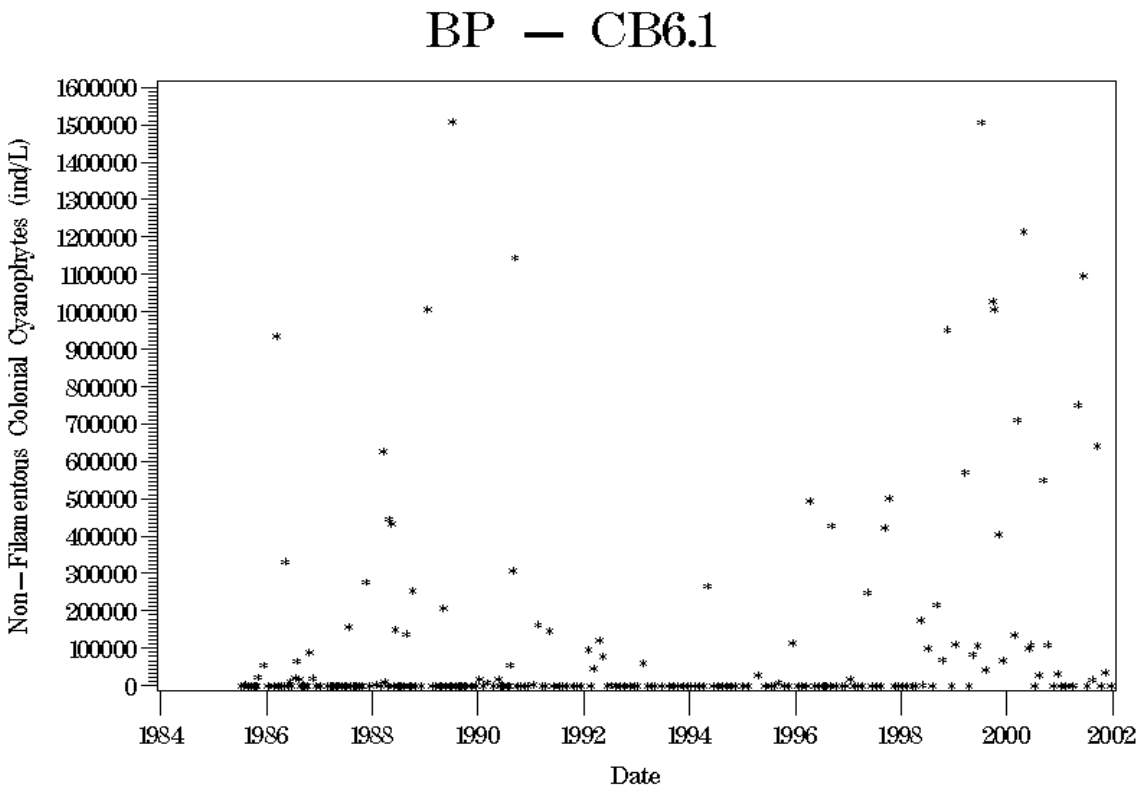

Figure F333. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station CB6.1 for the period of 1985 through 2001.

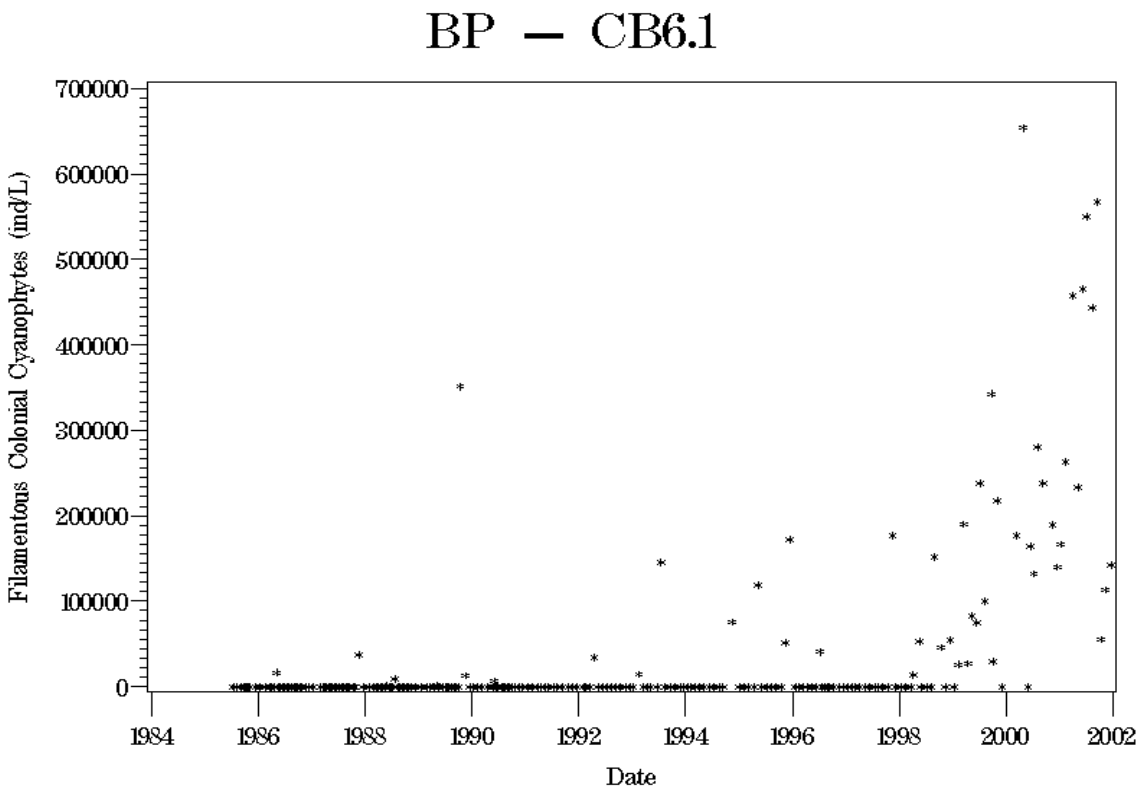

Figure F334. Plot of below pycnocline filamentous colonial cyanophyte abundance at station CB6.1 for the period of 1985 through 2001.

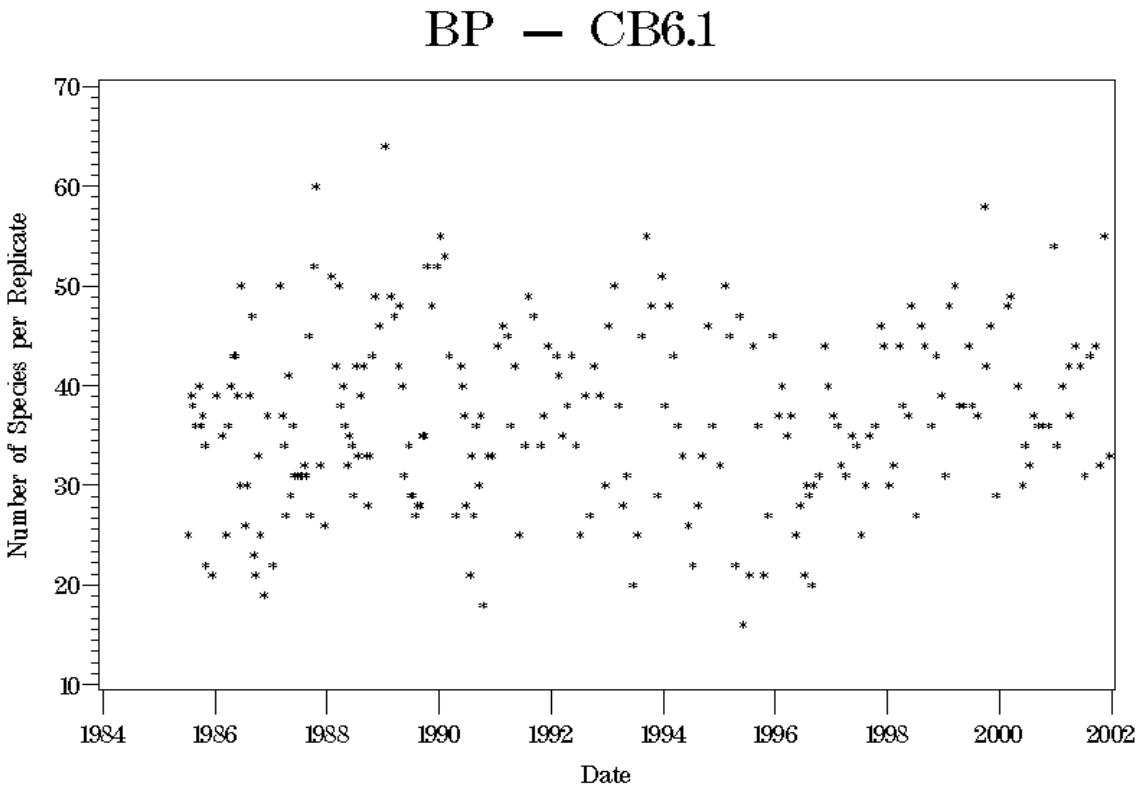

Figure F335. Plot of below pycnocline number of species per replicate at station CB6.1 for the period of 1985 through 2001.

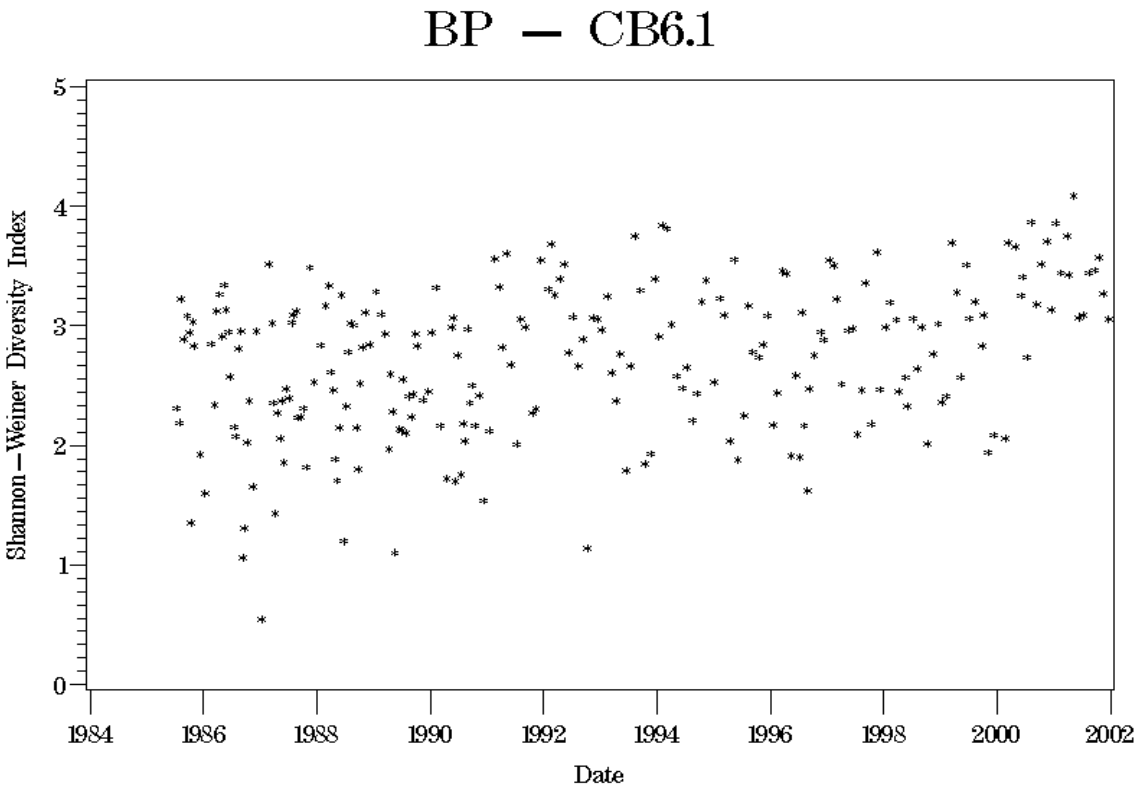

Figure F336. Plot of below pycnocline Shannon-Weiner diversity index at station CB6.1 for the period of 1985 through 2001.

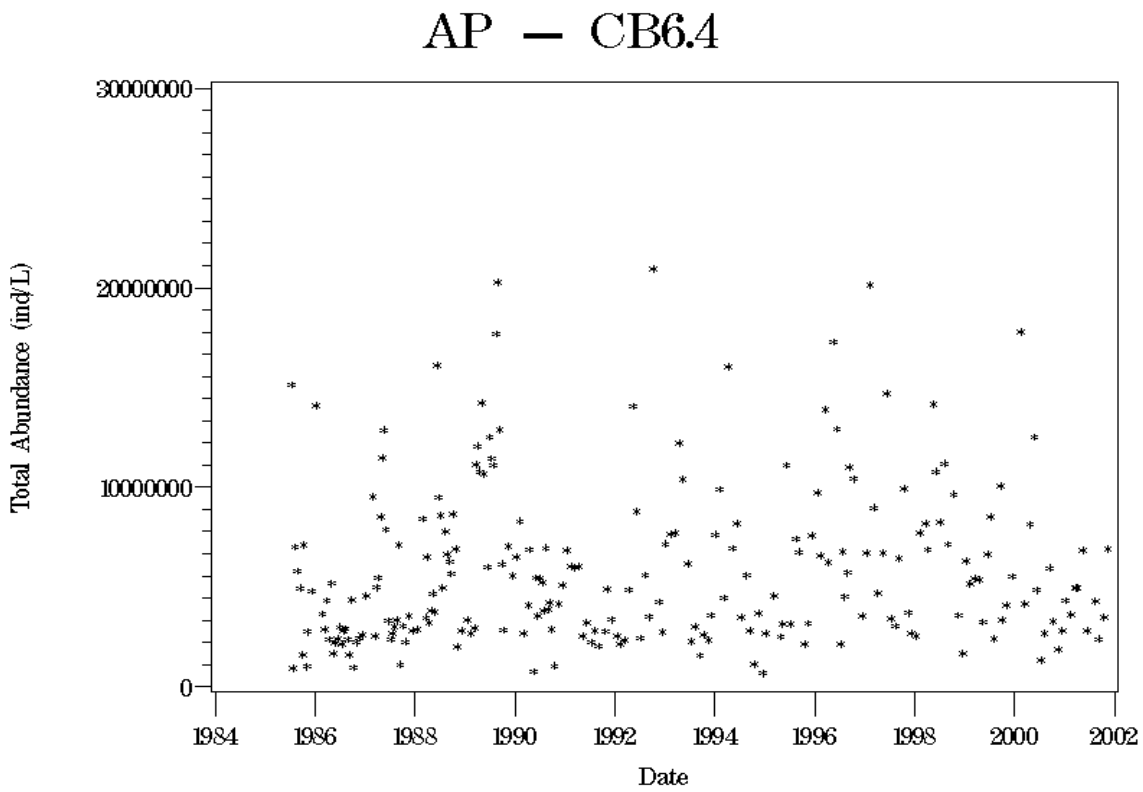

Figure F337. Plot of above pycnocline total phytoplankton abundance against time at station CB6.4 for the period of 1985 through 2001.

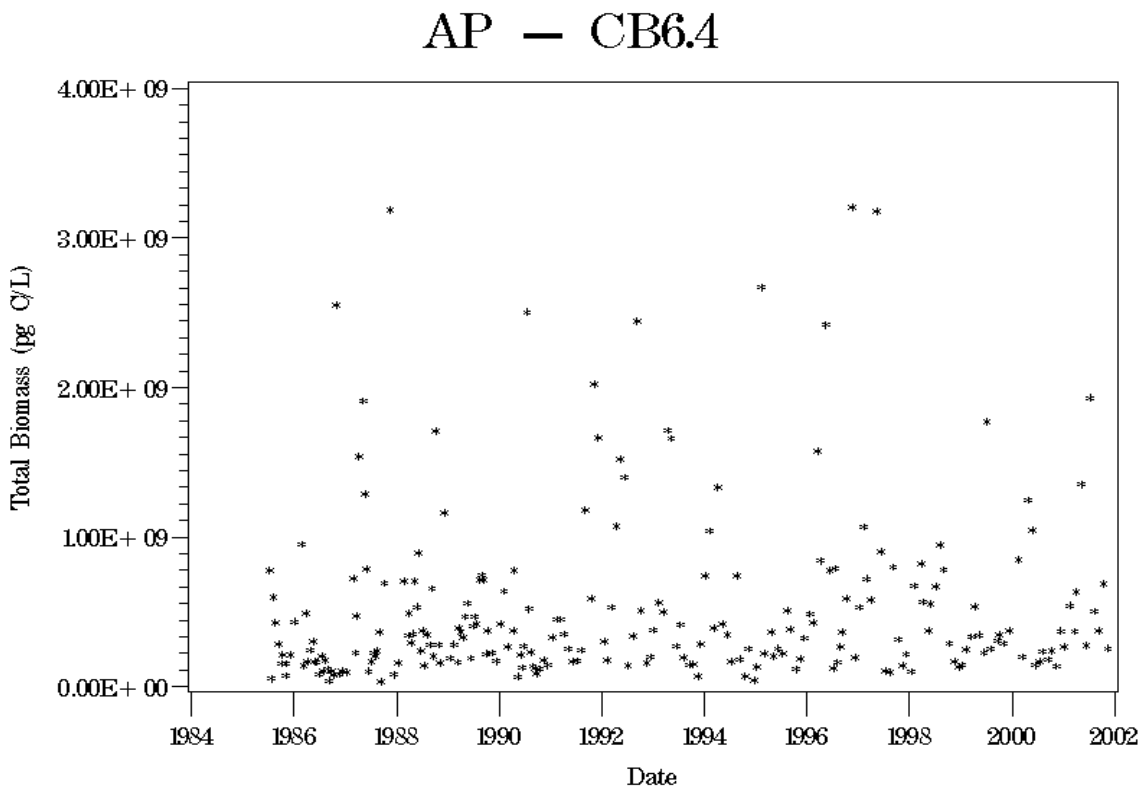

Figure F338. Plot of above pycnocline total phytoplankton biomass against time at station CB6.4 for the period of 1985 through 2001.

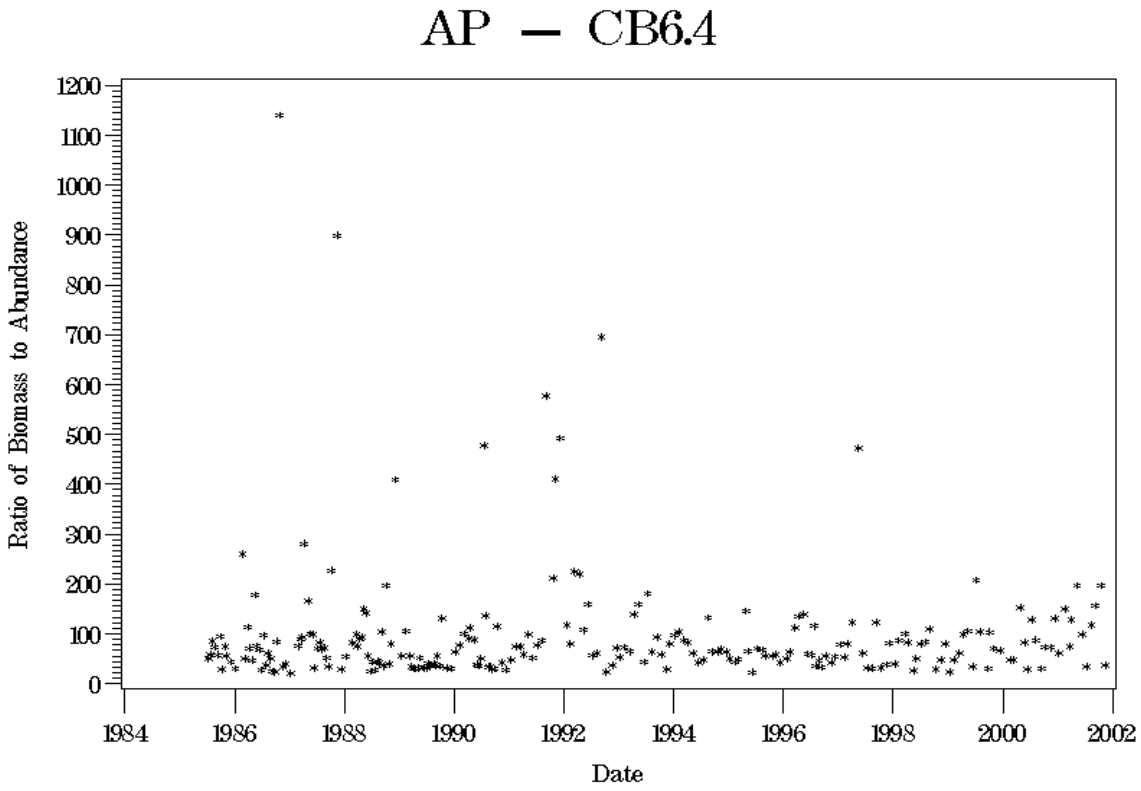

Figure F339. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB6.4 for the period of 1985 through 2001.

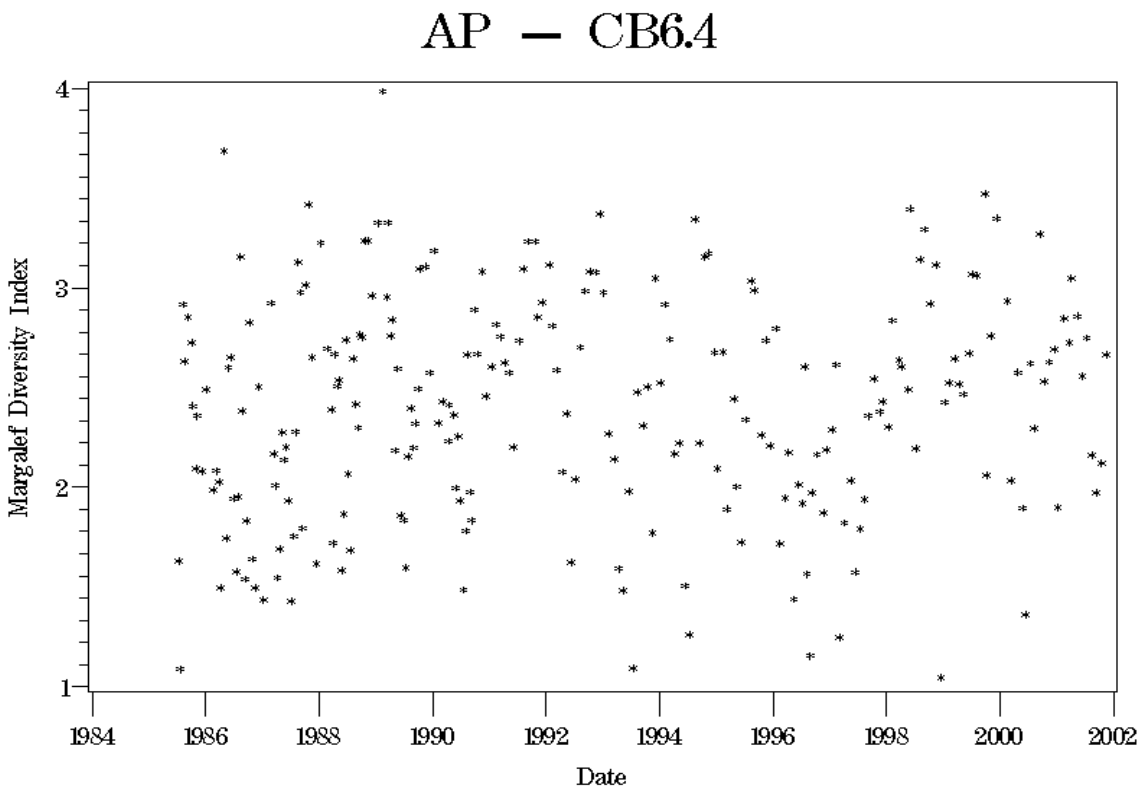

Figure F340. Plot of above pycnocline Margalef diversity index against time at station CB6.4 for the period of 1985 through 2001.

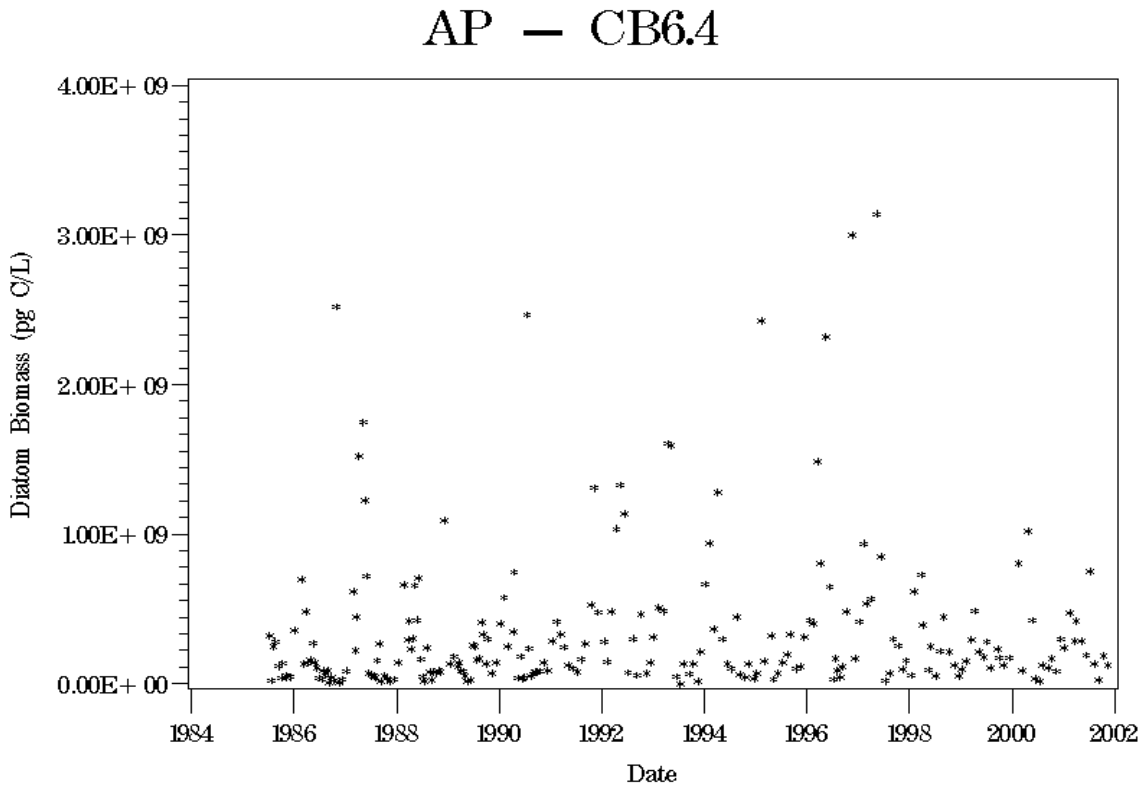

Figure F341. Plot of above pycnocline diatom biomass against time at station CB6.4 for the period of 1985 through 2001.

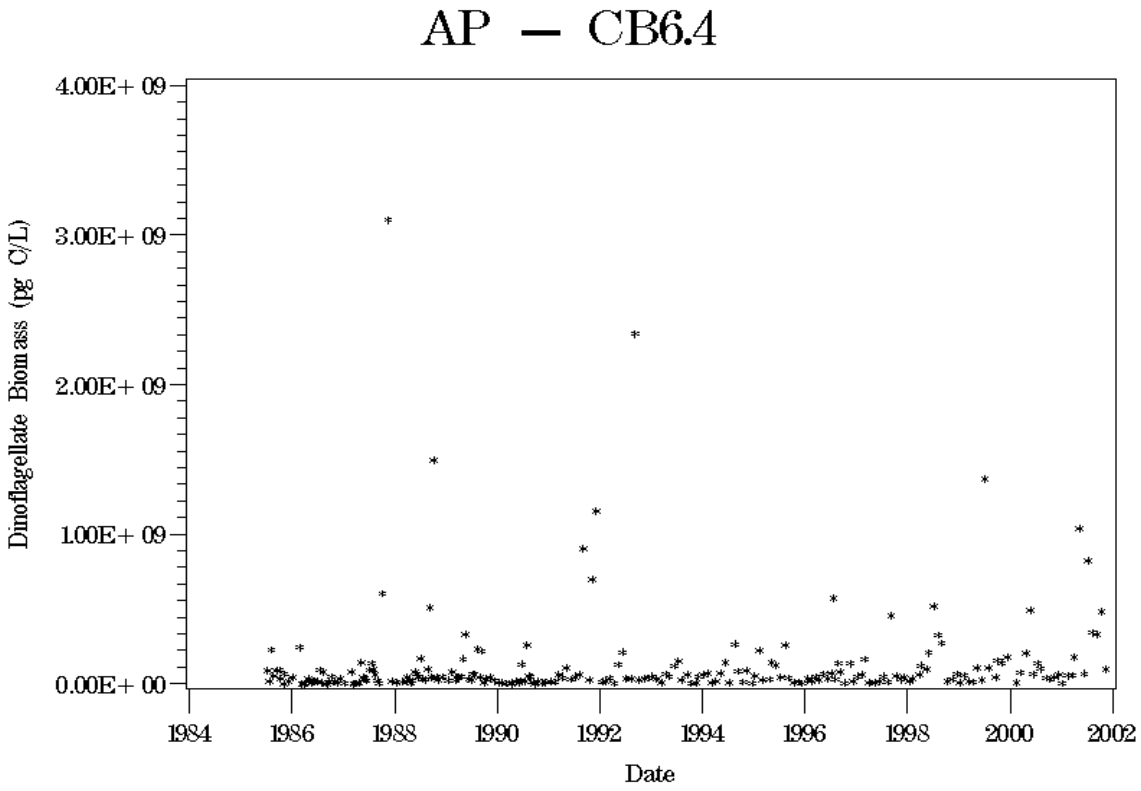

Figure F342. Plot of above pycnocline dinoflagellate biomass against time at station CB6.4 for the period of 1985 through 2001.

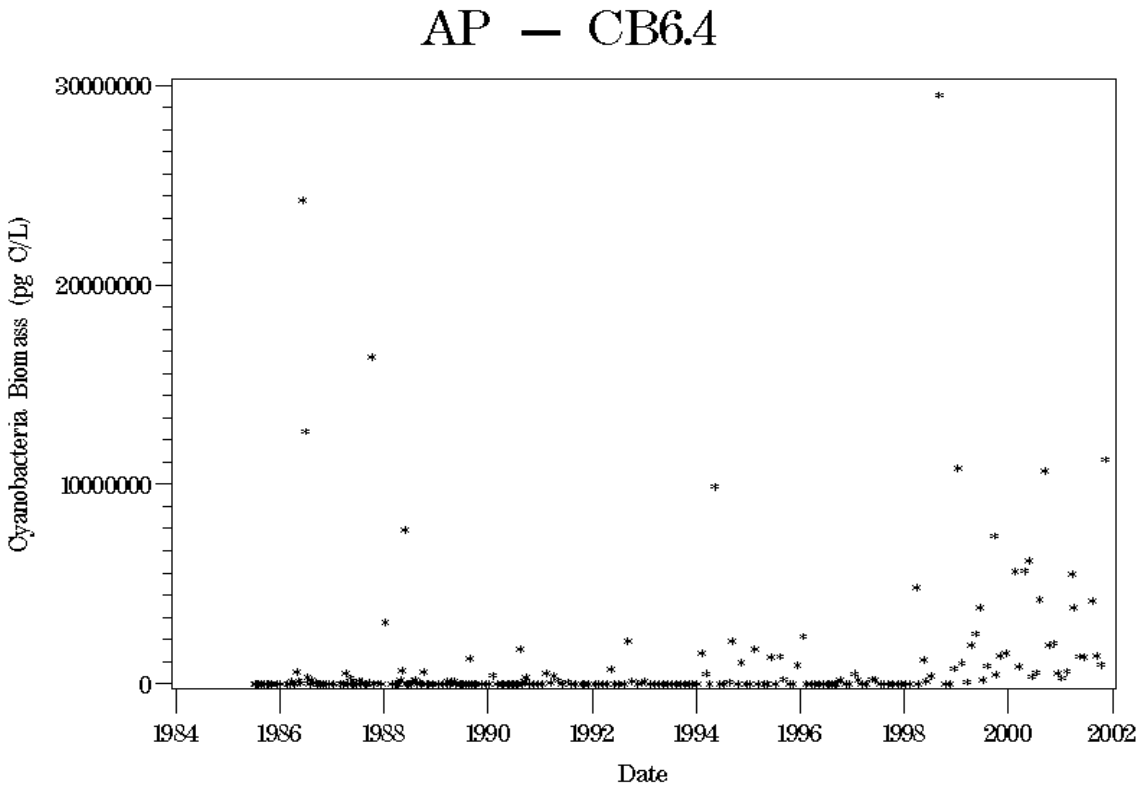

Figure F343. Plot of above pycnocline cyanobacteria biomass against time at station CB6.4 for the period of 1985 through 2001.

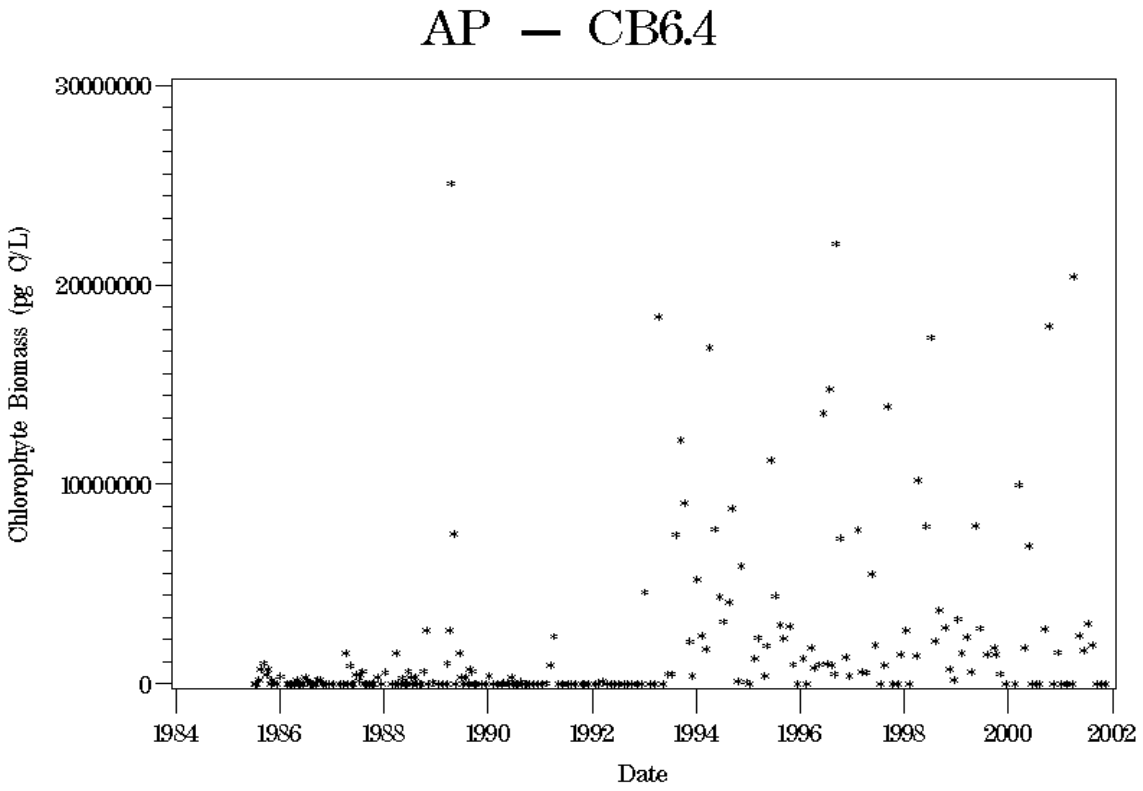

Figure F344. Plot of above pycnocline chlorophyte biomass against time at station CB6.4 for the period of 1985 through 2001.

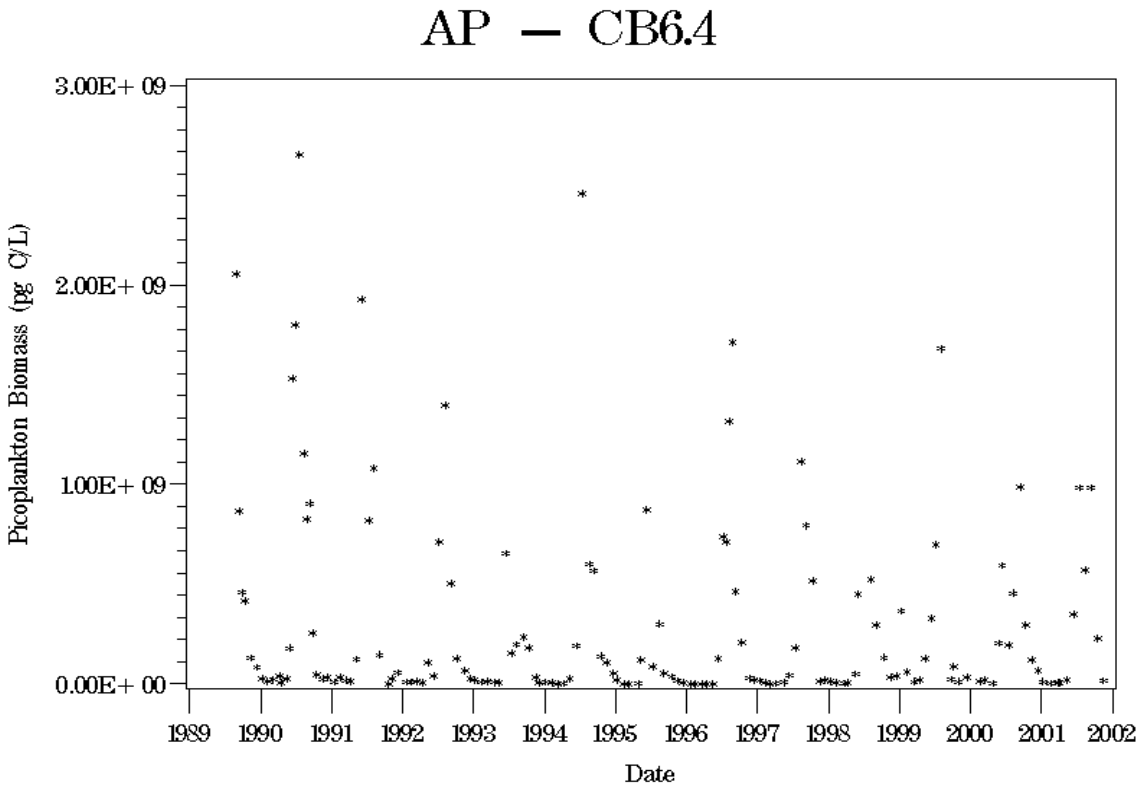

Figure F345. Plot of above pycnocline picoplankton biomass against time at station CB6.4 for the period of 1989 through 2001.

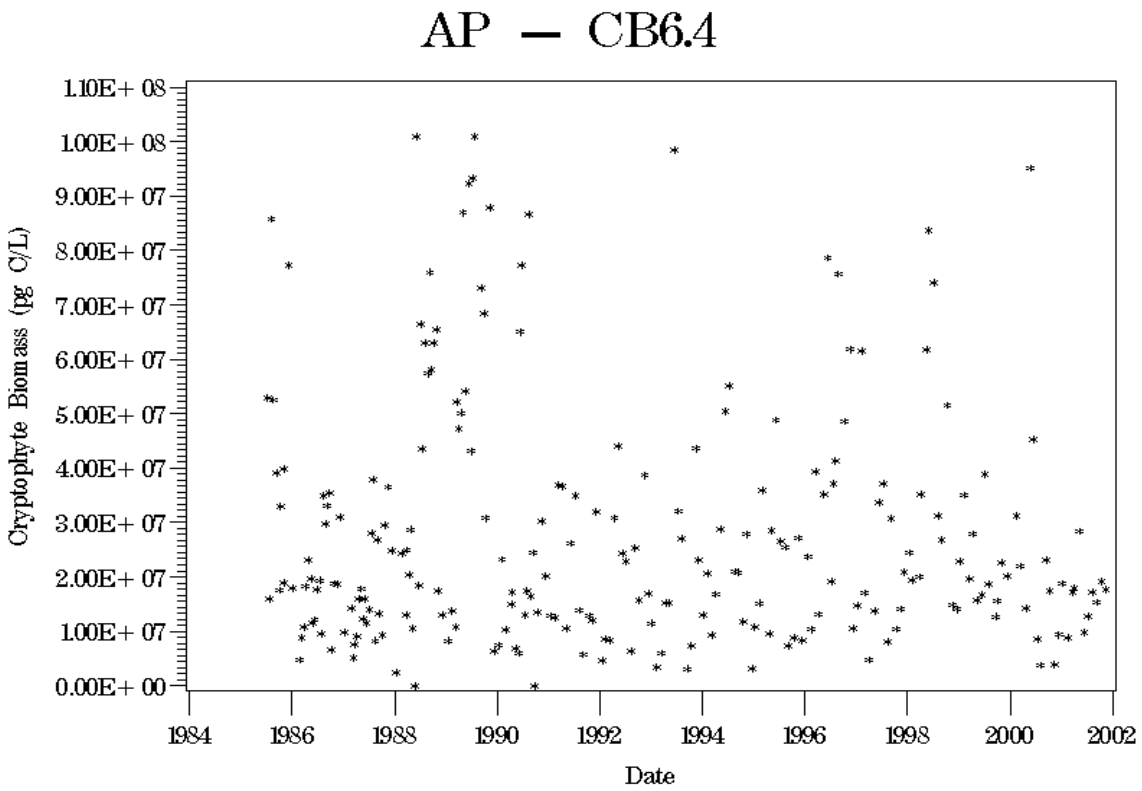

Figure F346. Plot of above pycnocline cryptophyte biomass at station CB6.4 for the period of 1985 through 2001.

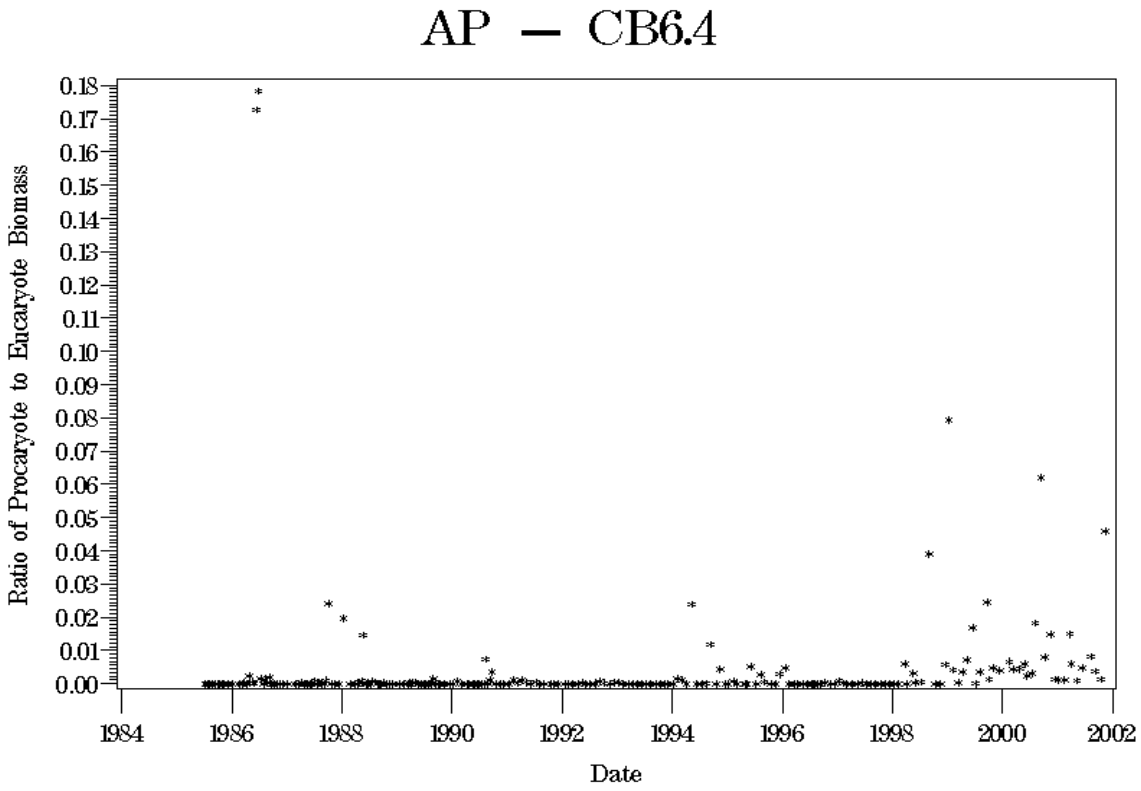

Figure F347. Plot of above pycnocline cyanophyte abundance at station CB6.4 for the period of 1985 through 2001.

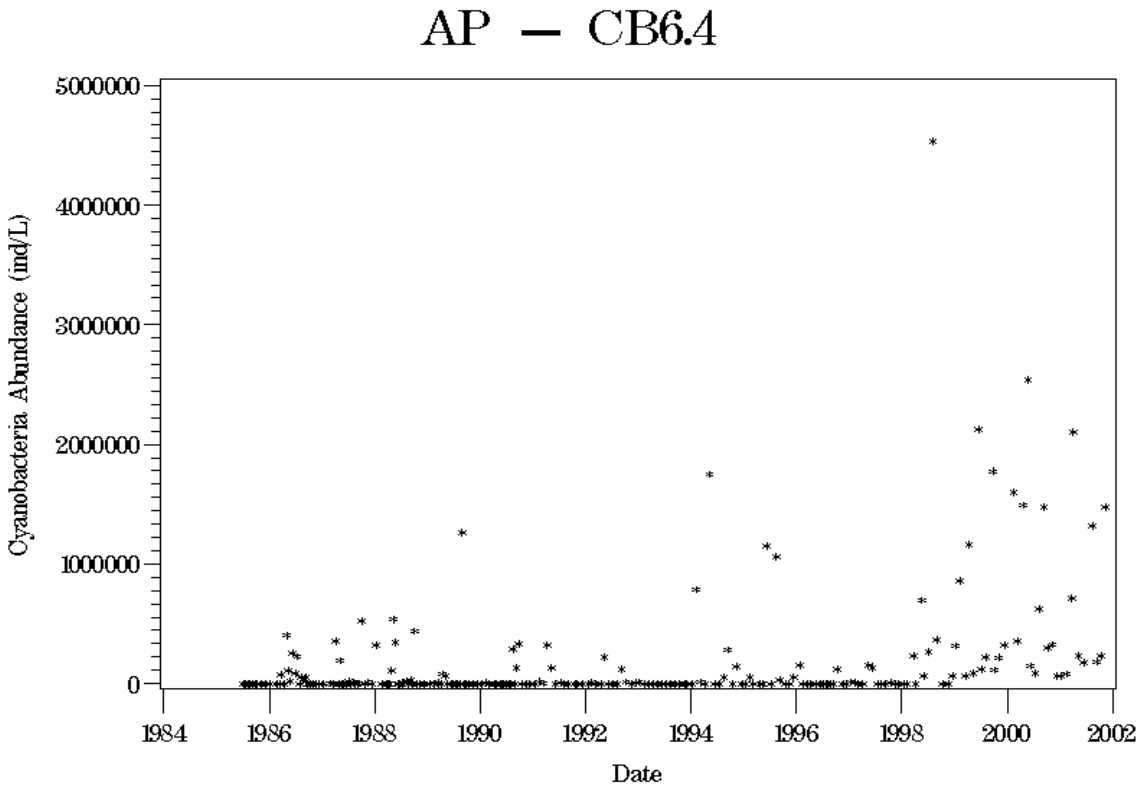

Figure F348. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station CB6.4 for the period of 1985 through 2001.

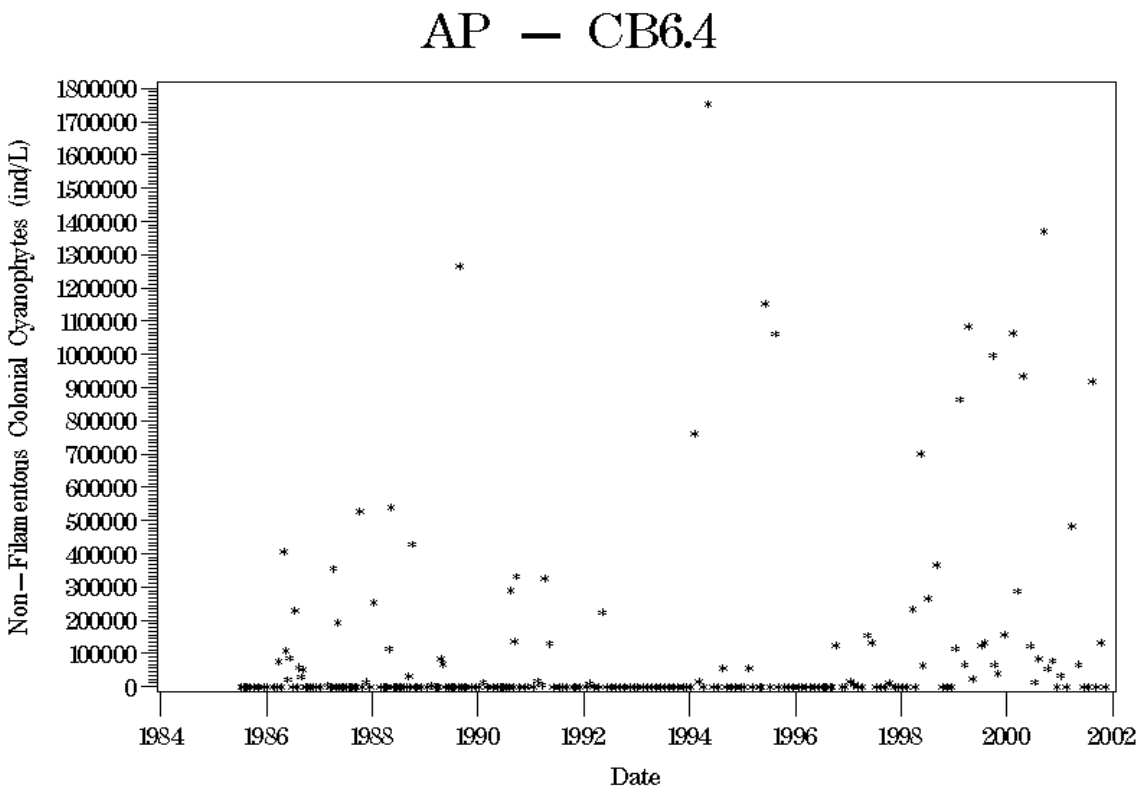

Figure F349. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station CB6.4 for the period of 1985 through 2001.

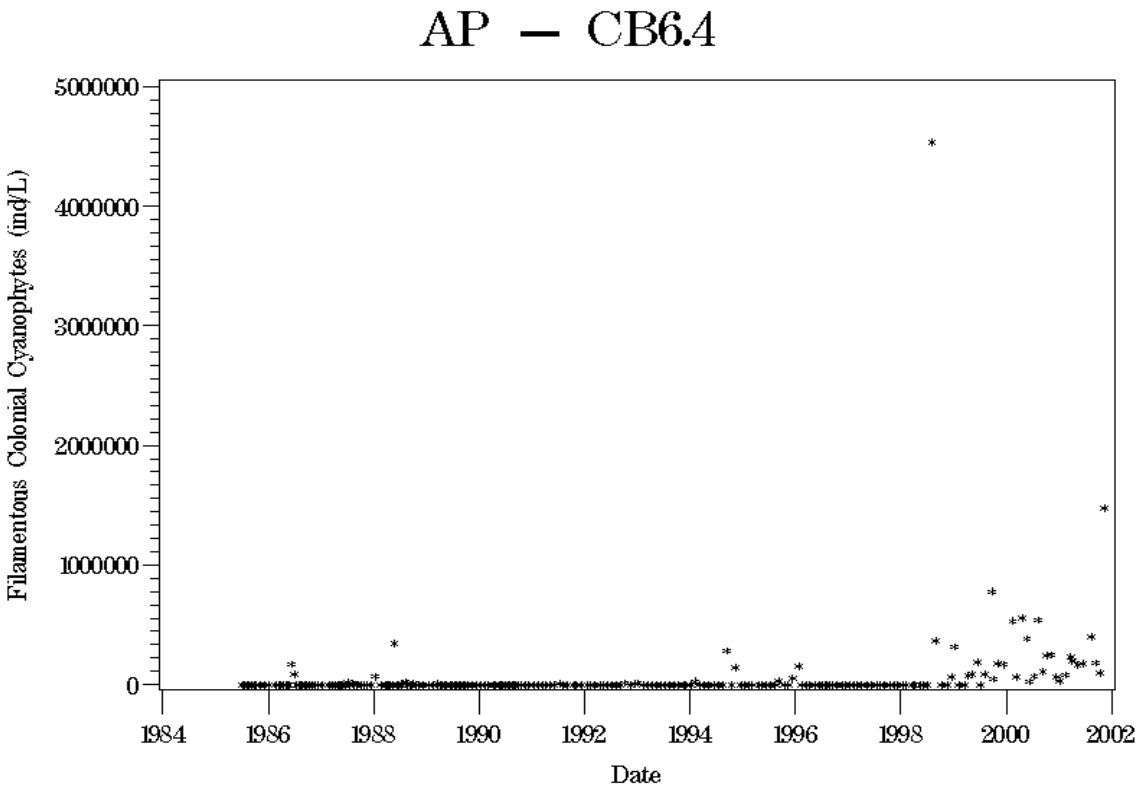

Figure F350. Plot of above pycnocline filamentous colonial cyanophyte abundance at station CB6.4 for the period of 1985 through 2001.

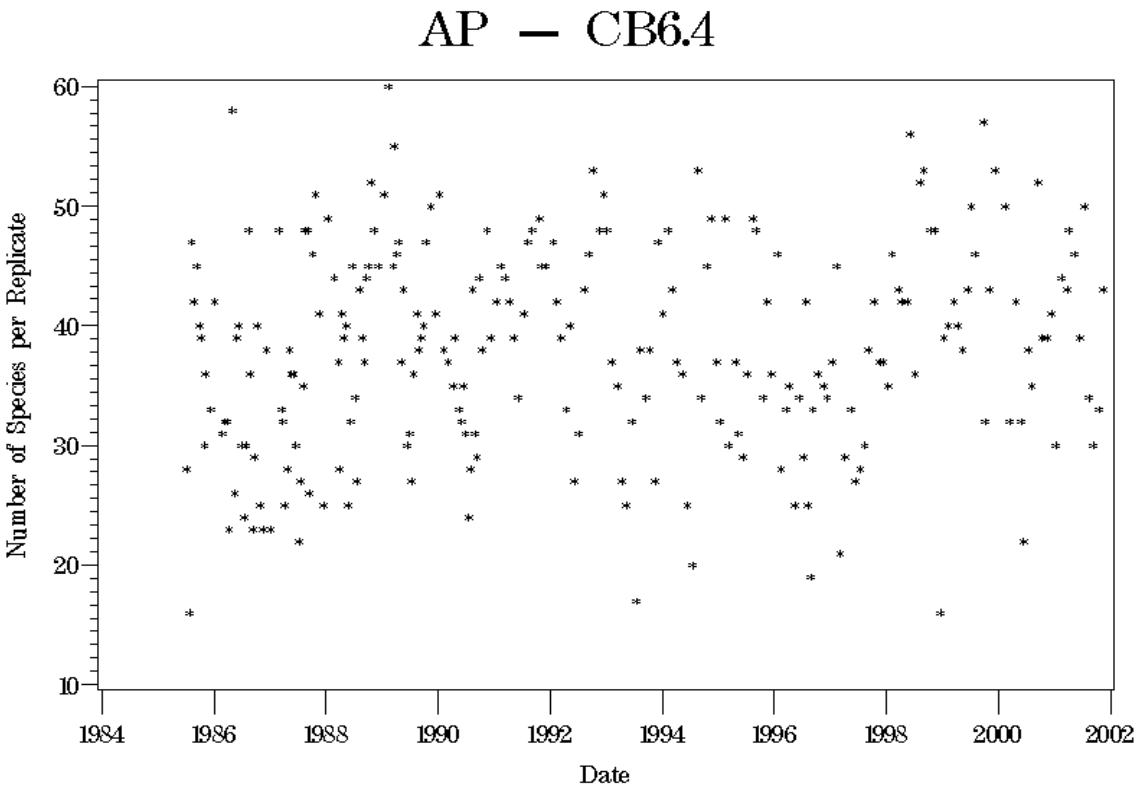

Figure F351. Plot of above pycnocline number of species per replicate at station CB6.4 for the period of 1985 through 2001.

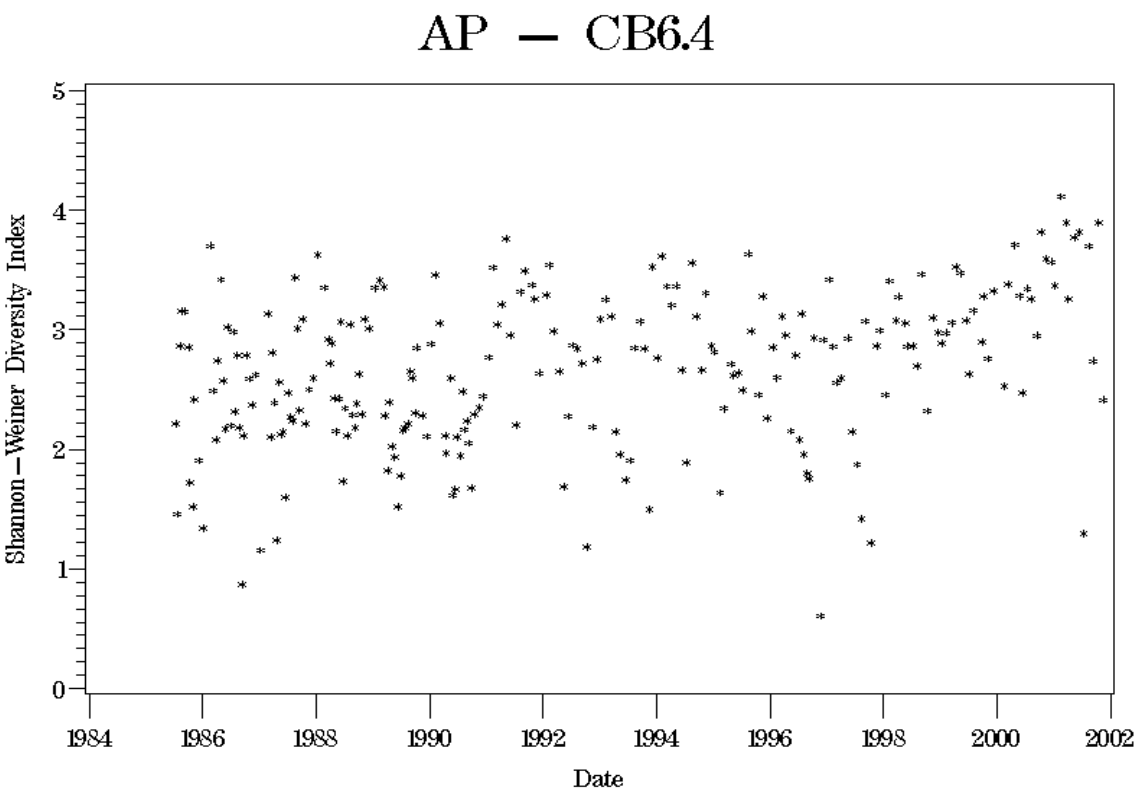

Figure F352. Plot of above pycnocline Shannon-Weiner diversity index at station CB6.4 for the period of 1985 through 2001.

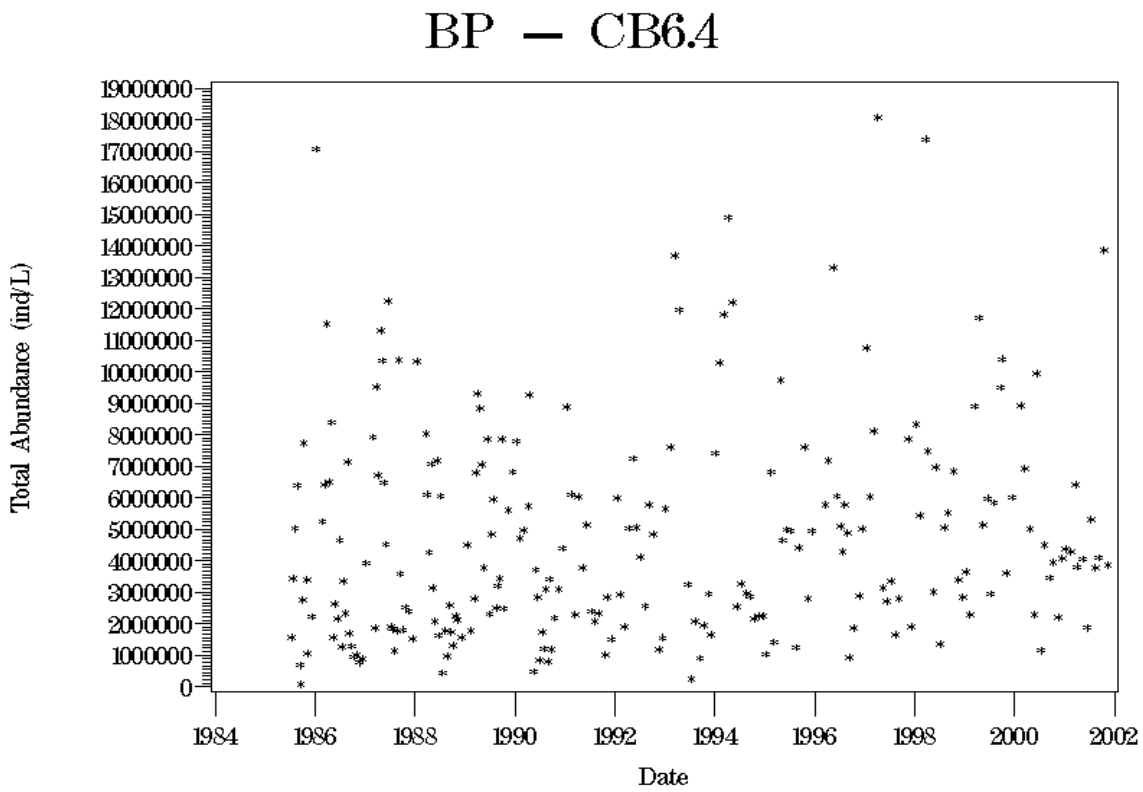

Figure F353. Plot of below pycnocline total phytoplankton abundance against time at station CB6.4 for the period of 1985 through 2001.

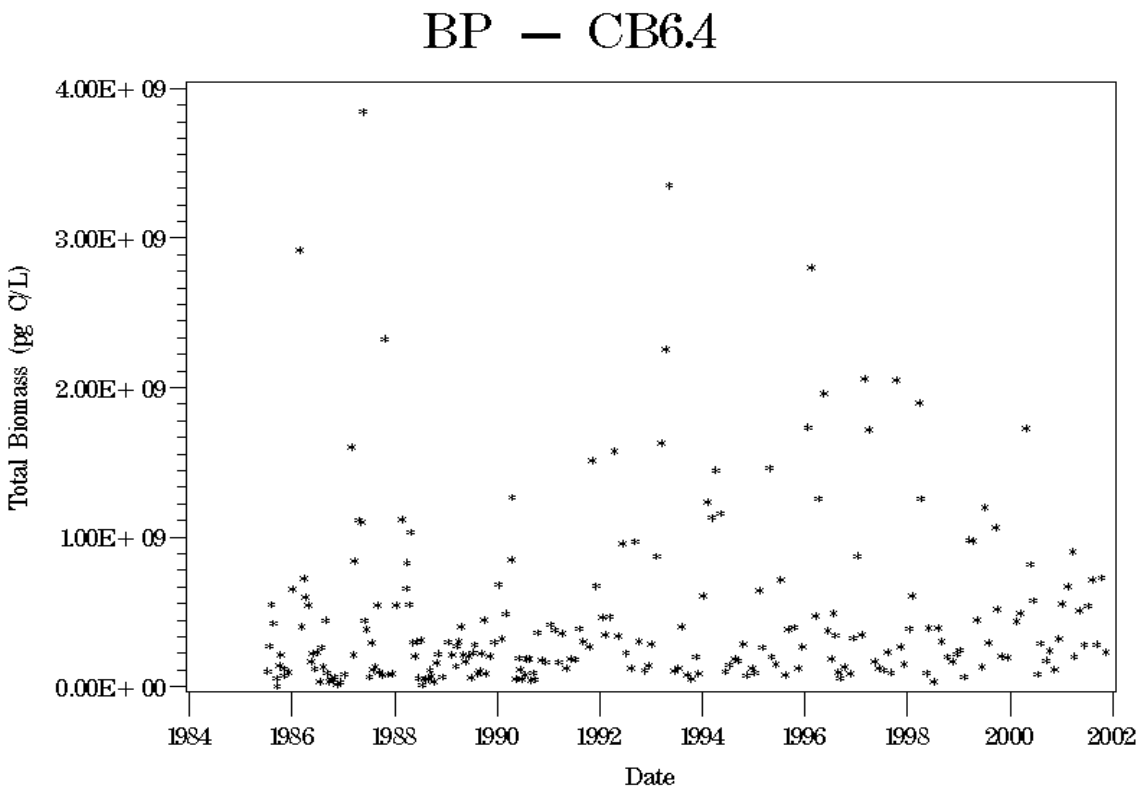

Figure F354. Plot of below pycnocline total phytoplankton biomass against time at station CB6.4 for the period of 1985 through 2001.

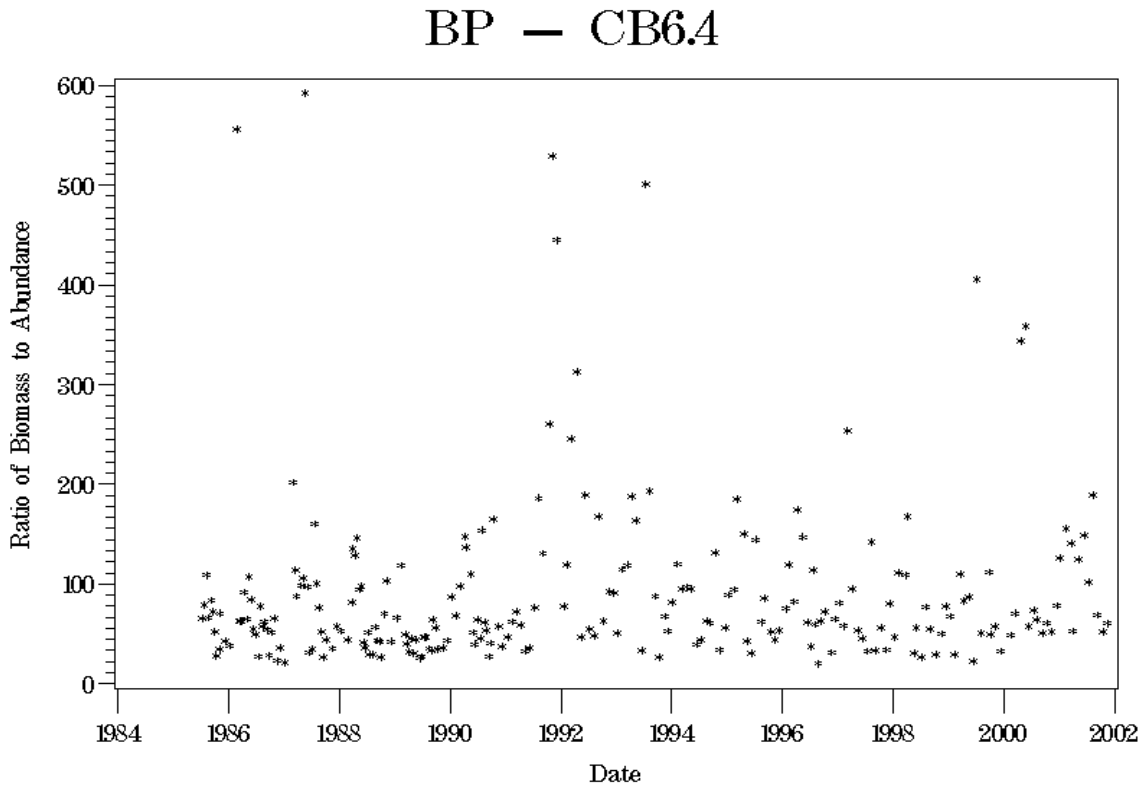

Figure F355. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB6.4 for the period of 1985 through 2001.

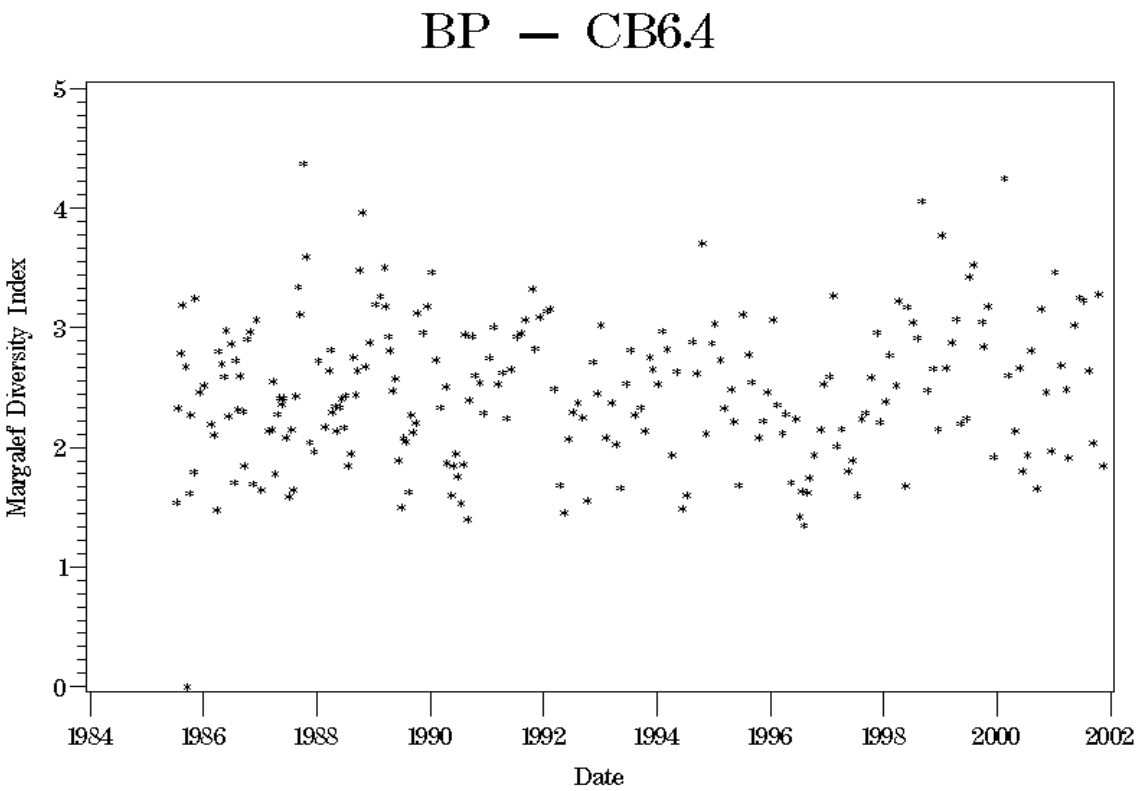

Figure F356. Plot of below pycnocline Margalef diversity index against time at station CB6.4 for the period of 1985 through 2001.

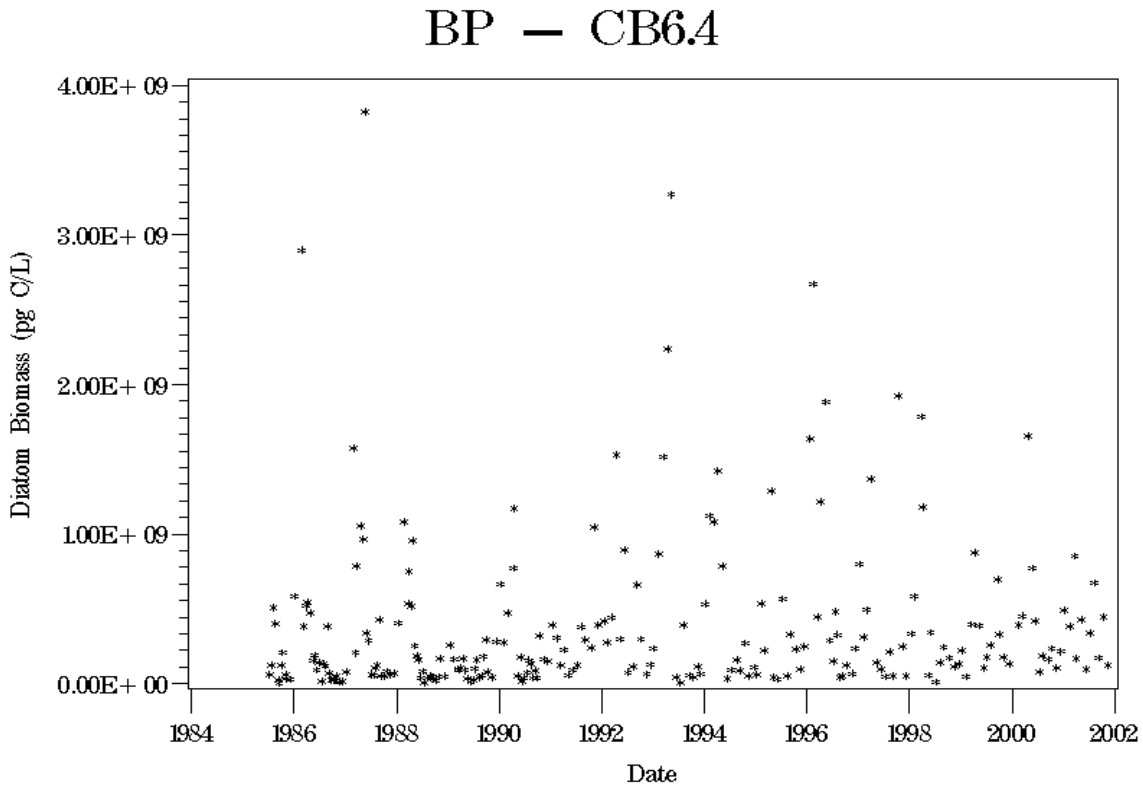

Figure F357. Plot of below pycnocline diatom biomass against time at station CB6.4 for the period of 1985 through 2001.

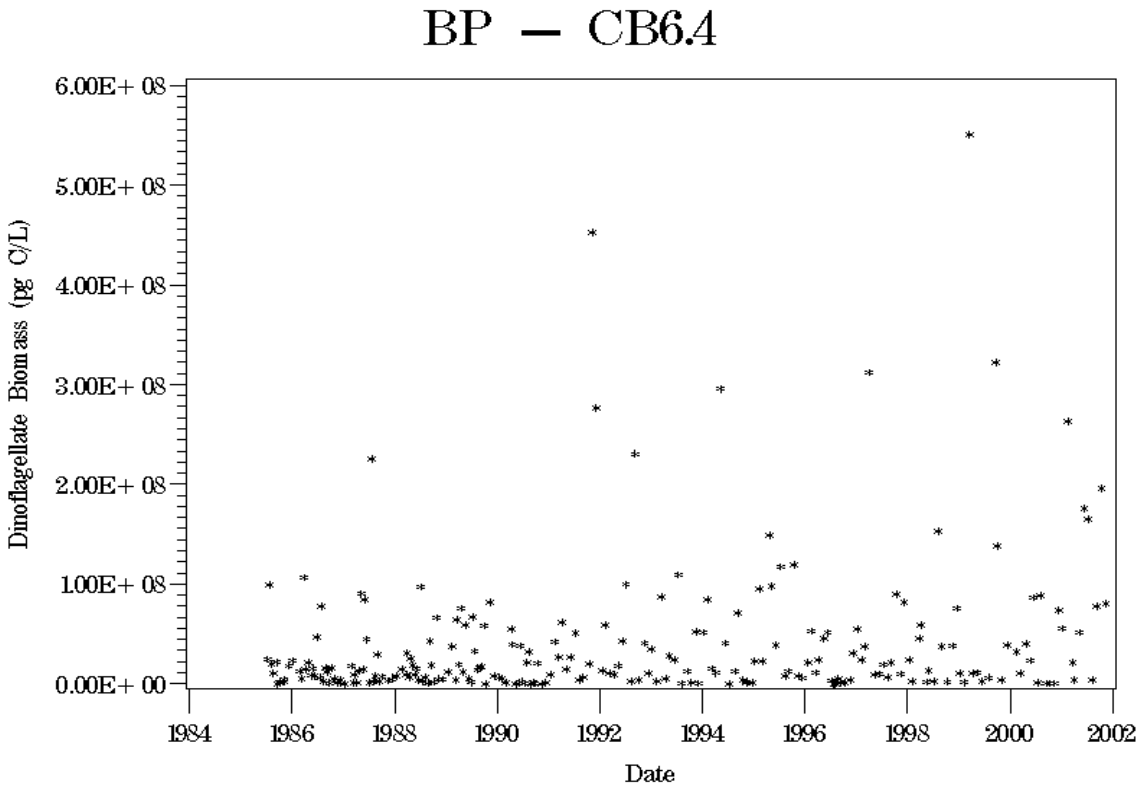

Figure F358. Plot of below pycnocline dinoflagellate biomass against time at station CB6.4 for the period of 1985 through 2001.

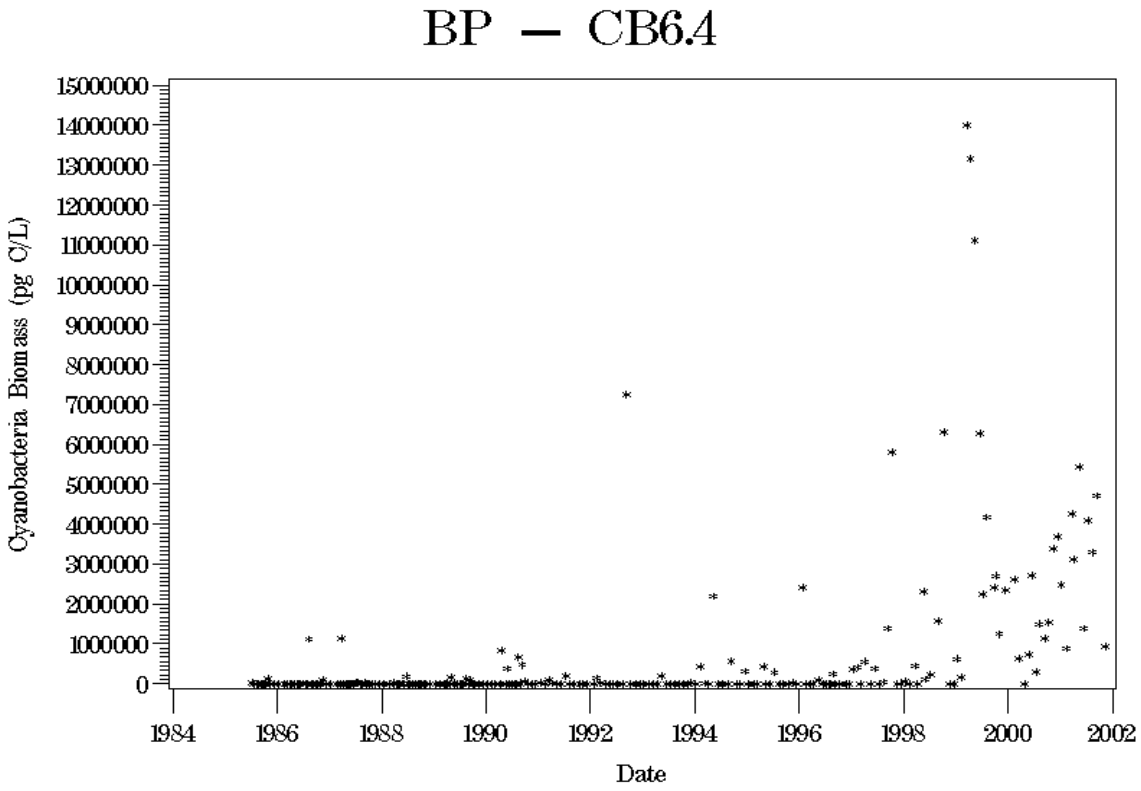

Figure F359. Plot of below pycnocline cyanobacteria biomass against time at station CB6.4 for the period of 1985 through 2001.

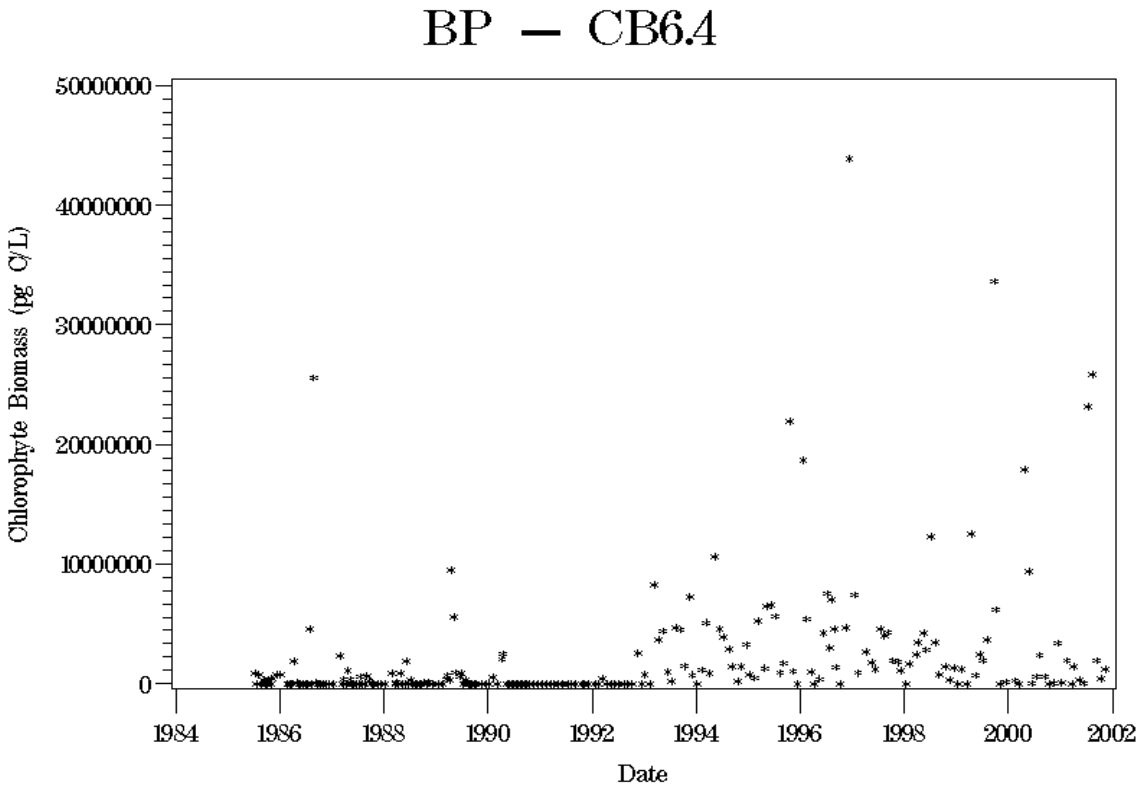

Figure F360. Plot of below pycnocline chlorophyte biomass against time at station CB6.4 for the period of 1985 through 2001.

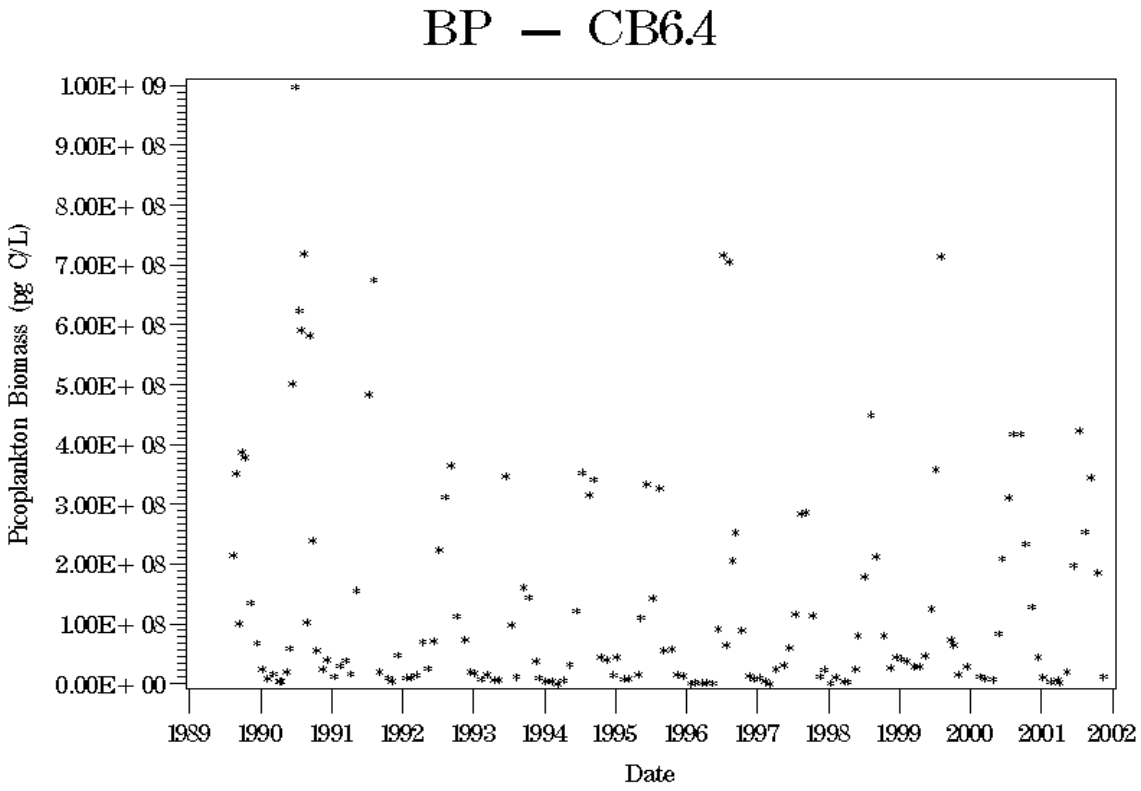

Figure F361. Plot of below pycnocline picoplankton biomass against time at station CB6.4 for the period of 1989 through 2001.

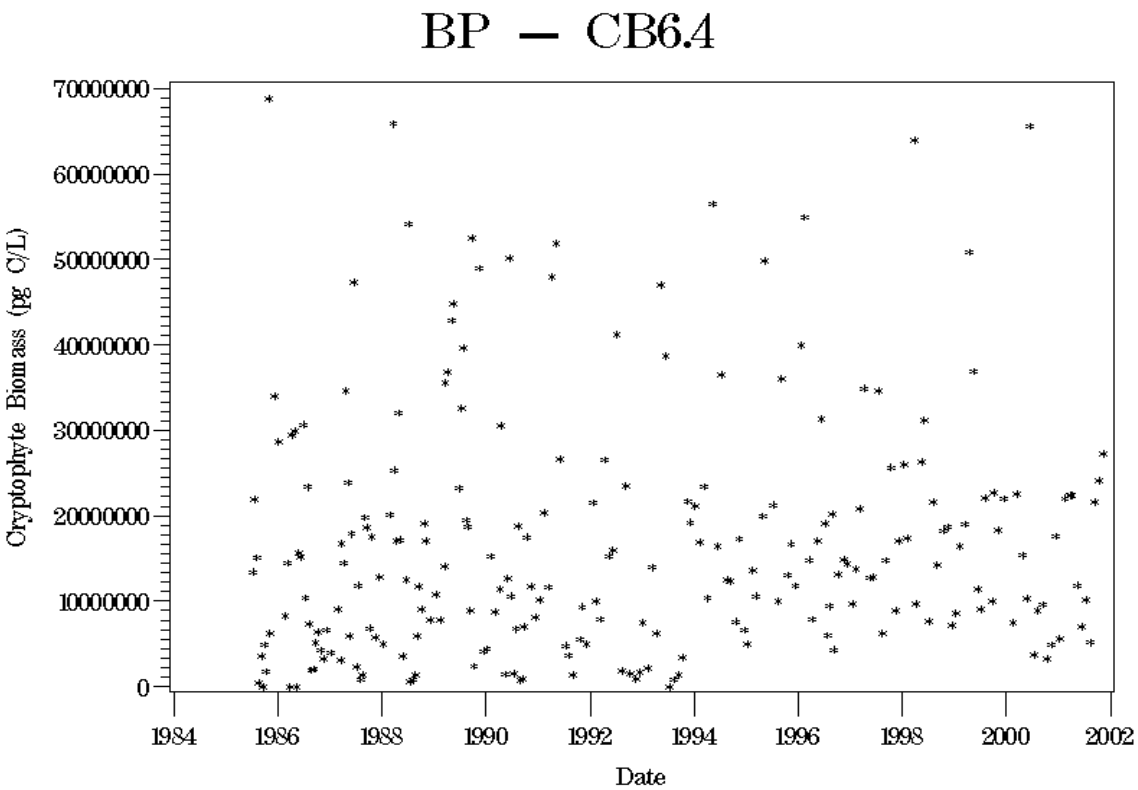

Figure F362. Plot of below pycnocline cryptophyte biomass at station CB6.4 for the period of 1985 through 2001.

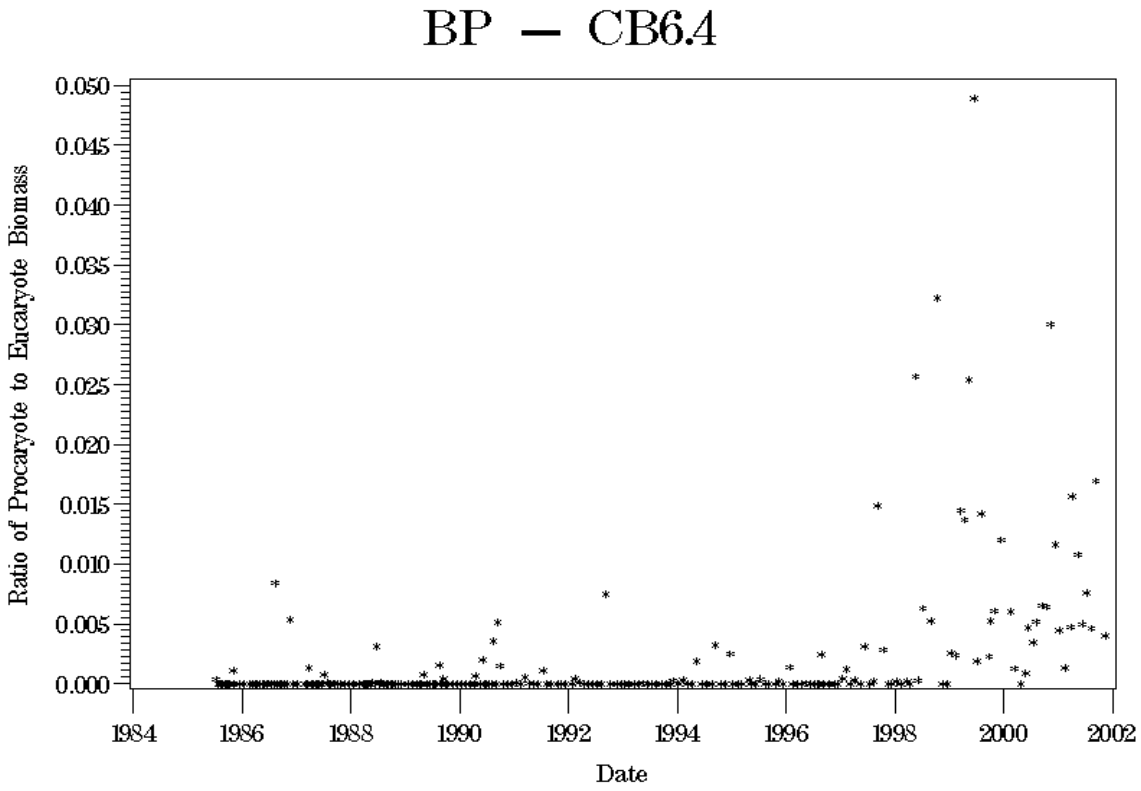

Figure F363. Plot of below pycnocline cyanophyte abundance at station CB6.4 for the period of 1985 through 2001.

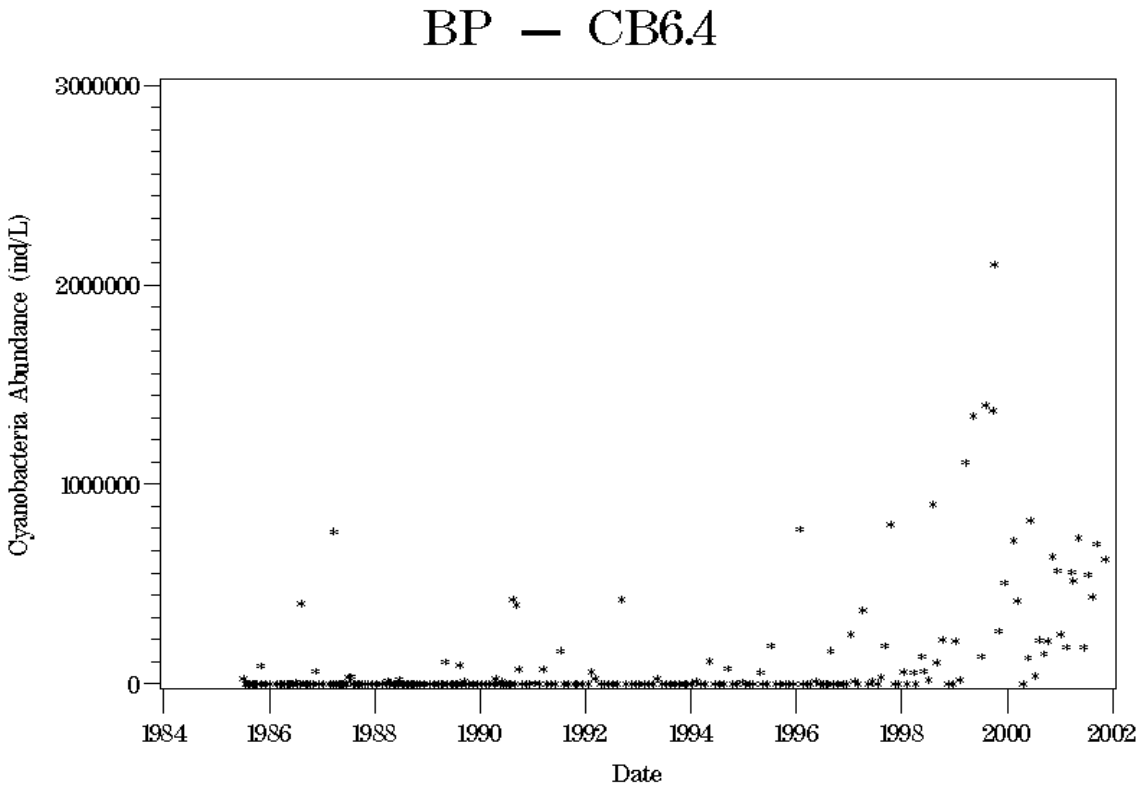

Figure F364. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station CB6.4 for the period of 1985 through 2001.

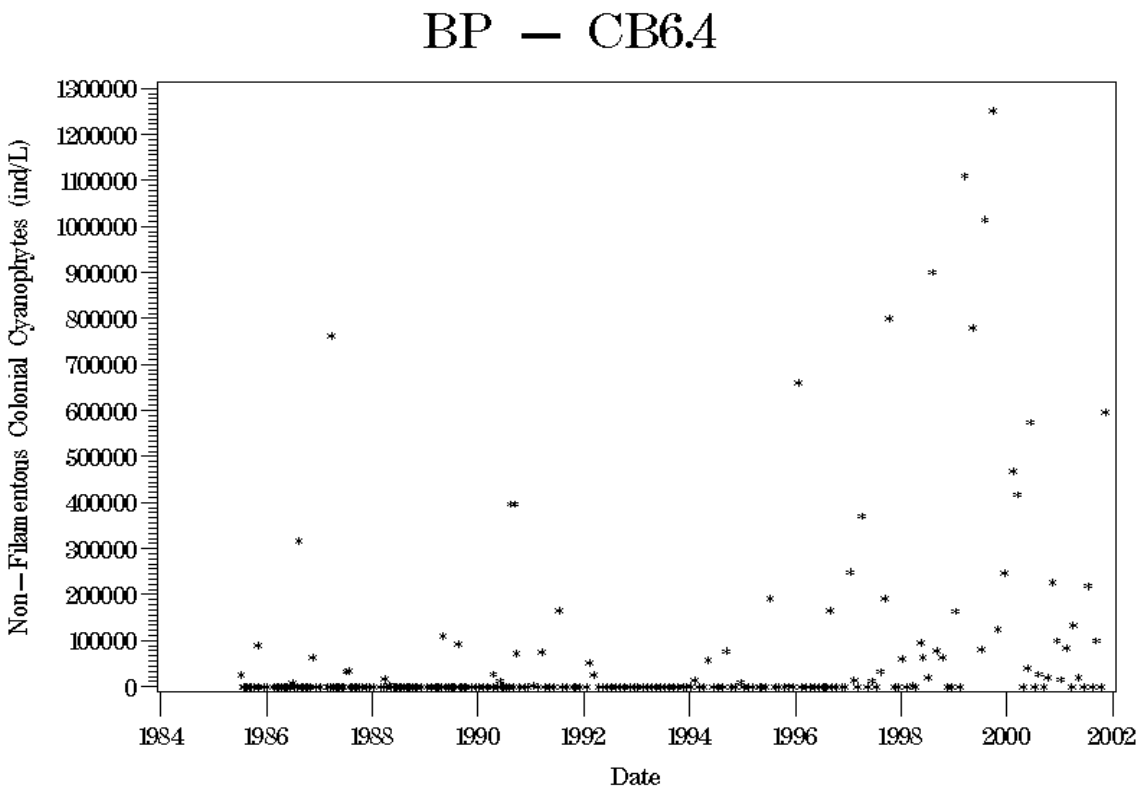

Figure F365. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station CB6.4 for the period of 1985 through 2001.

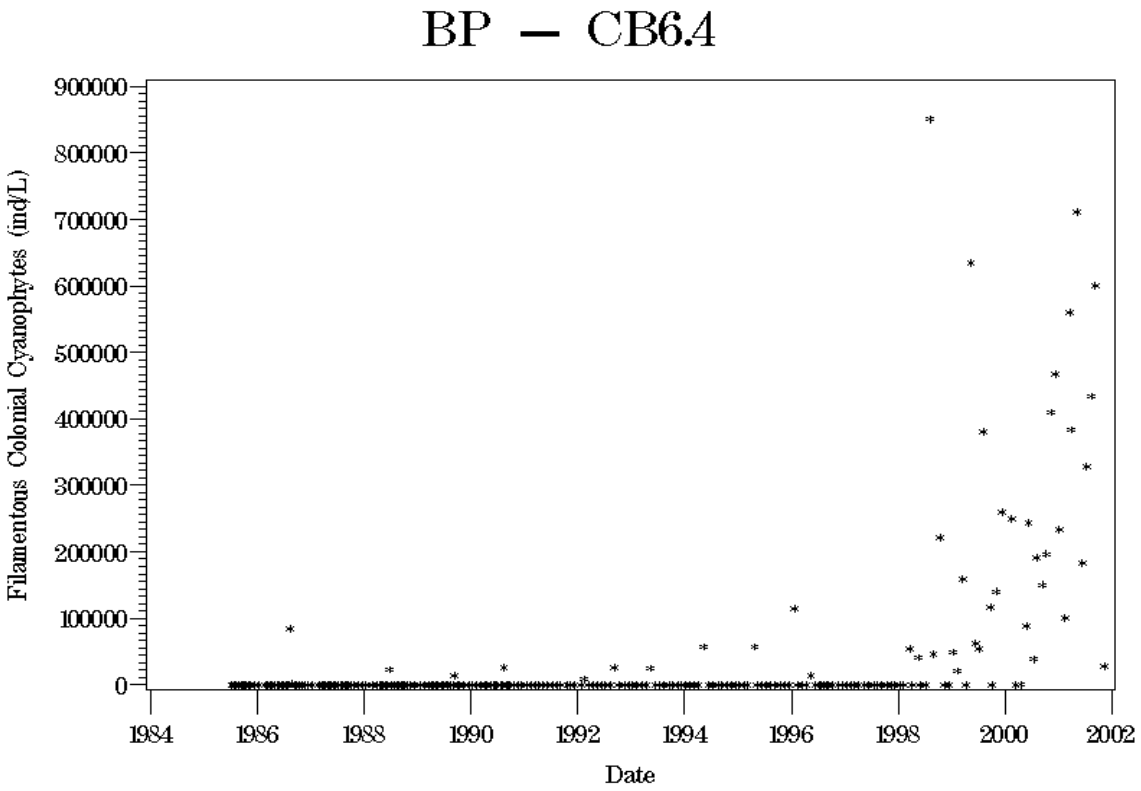

Figure F366. Plot of below pycnocline filamentous colonial cyanophyte abundance at station CB6.4 for the period of 1985 through 2001.

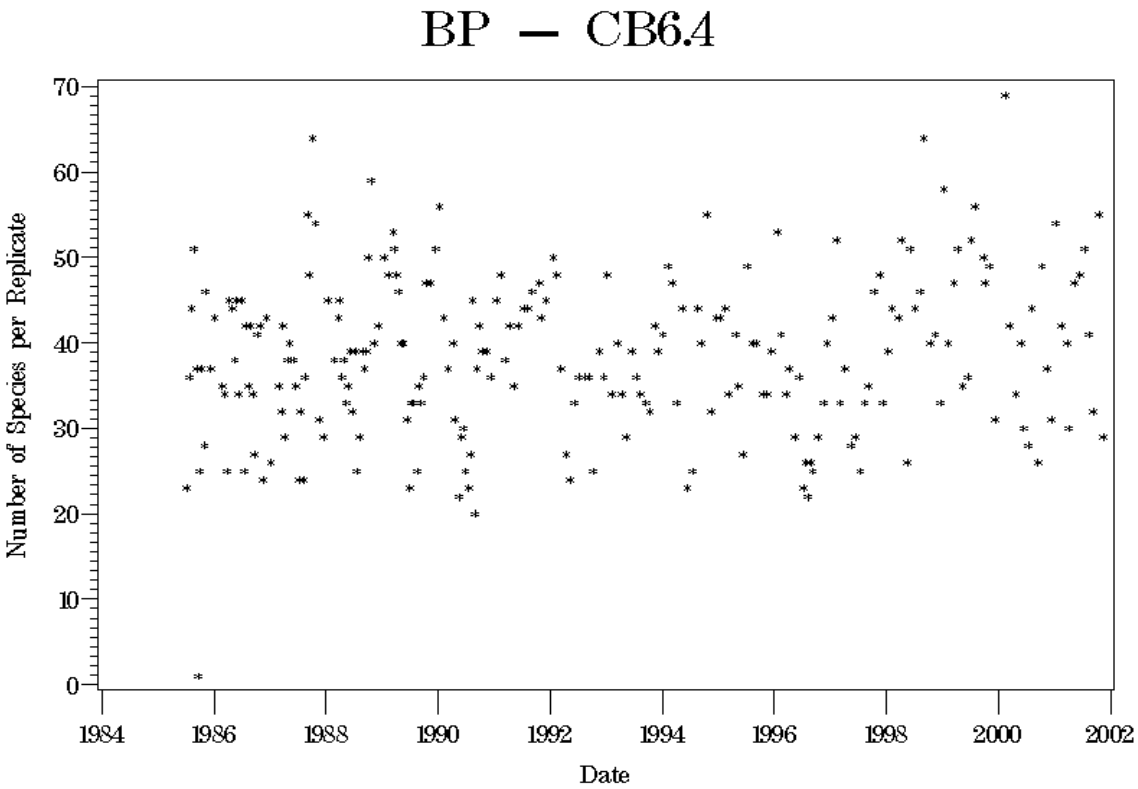

Figure F367. Plot of below pycnocline number of species per replicate at station CB6.4 for the period of 1985 through 2001.

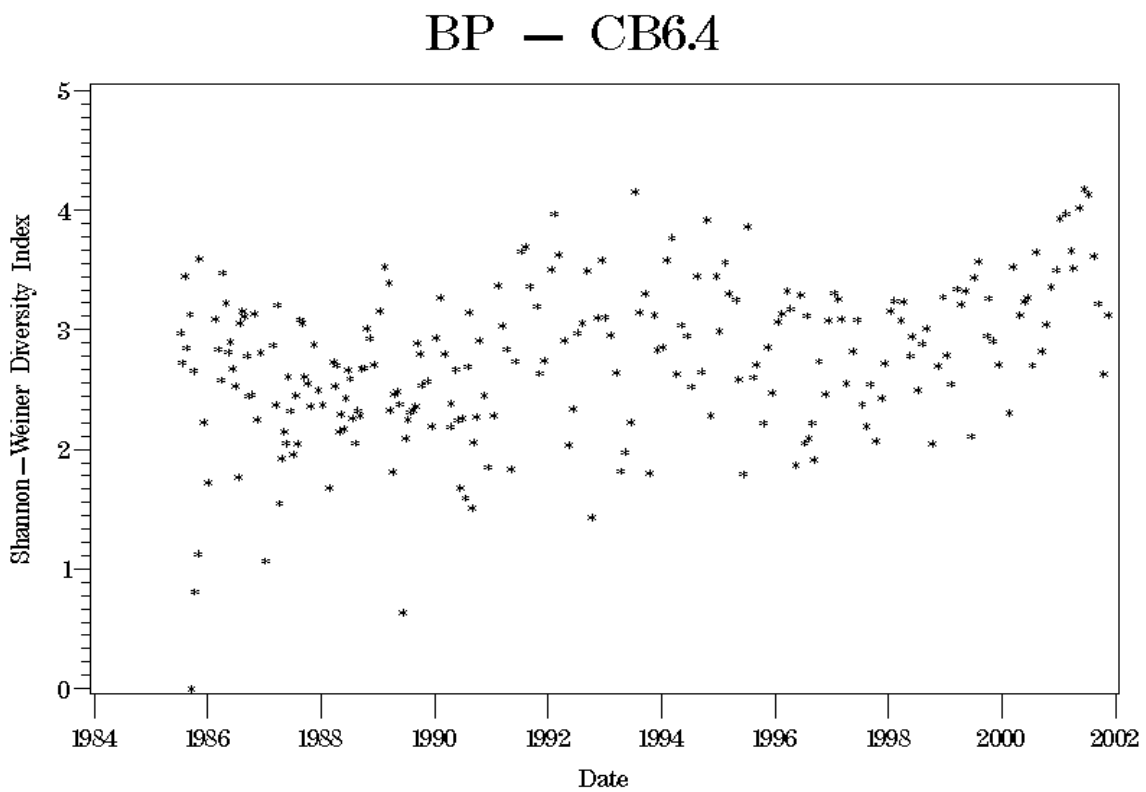

Figure F368. Plot of below pycnocline Shannon-Weiner diversity index at station CB6.4 for the period of 1985 through 2001.

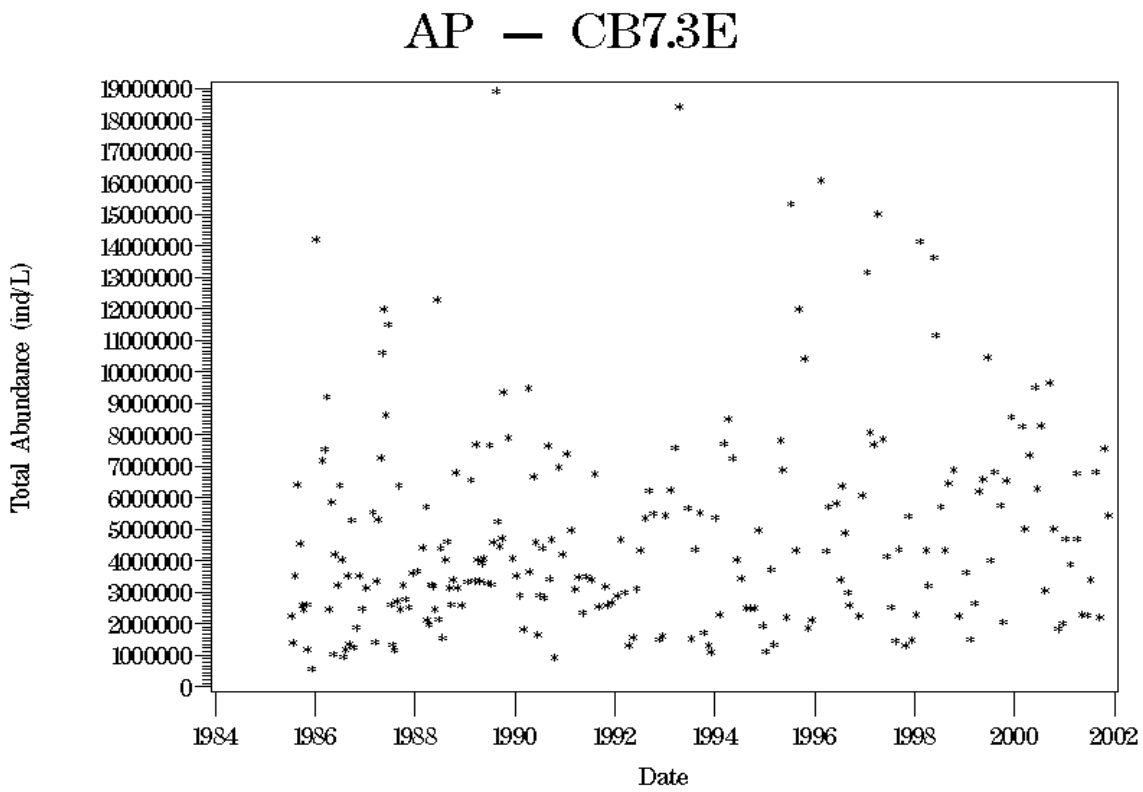

Figure F369. Plot of above pycnocline total phytoplankton abundance against time at station CB7.3E for the period of 1985 through 2001.

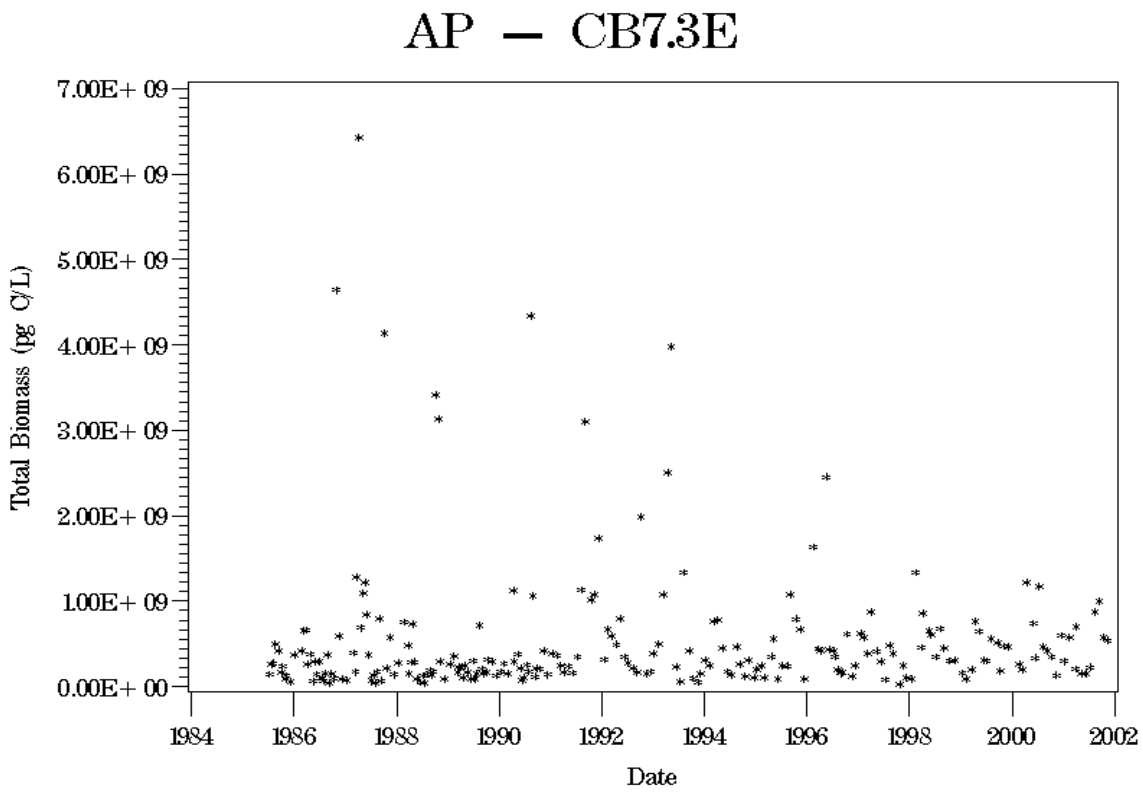

Figure F370. Plot of above pycnocline total phytoplankton biomass against time at station CB7.3E for the period of 1985 through 2001.

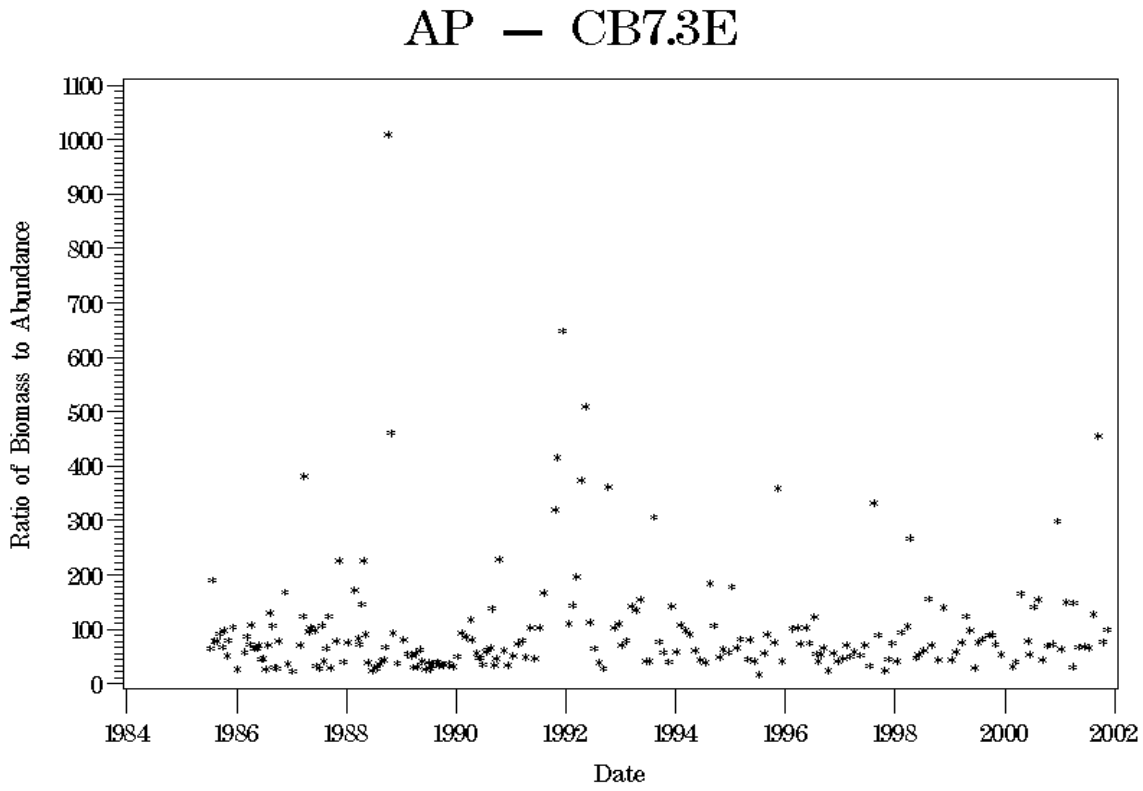

Figure F371. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB7.3E for the period of 1985 through 2001.

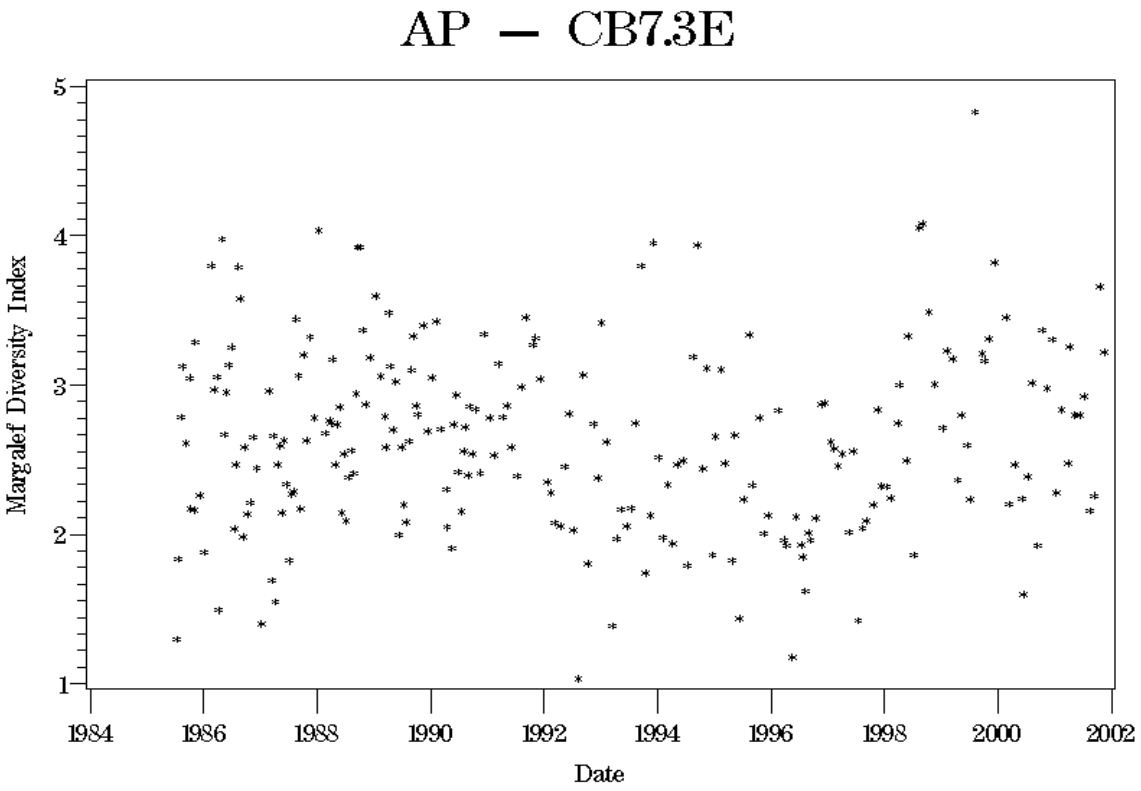

Figure F372. Plot of above pycnocline Margalef diversity index against time at station CB7.3E for the period of 1985 through 2001.

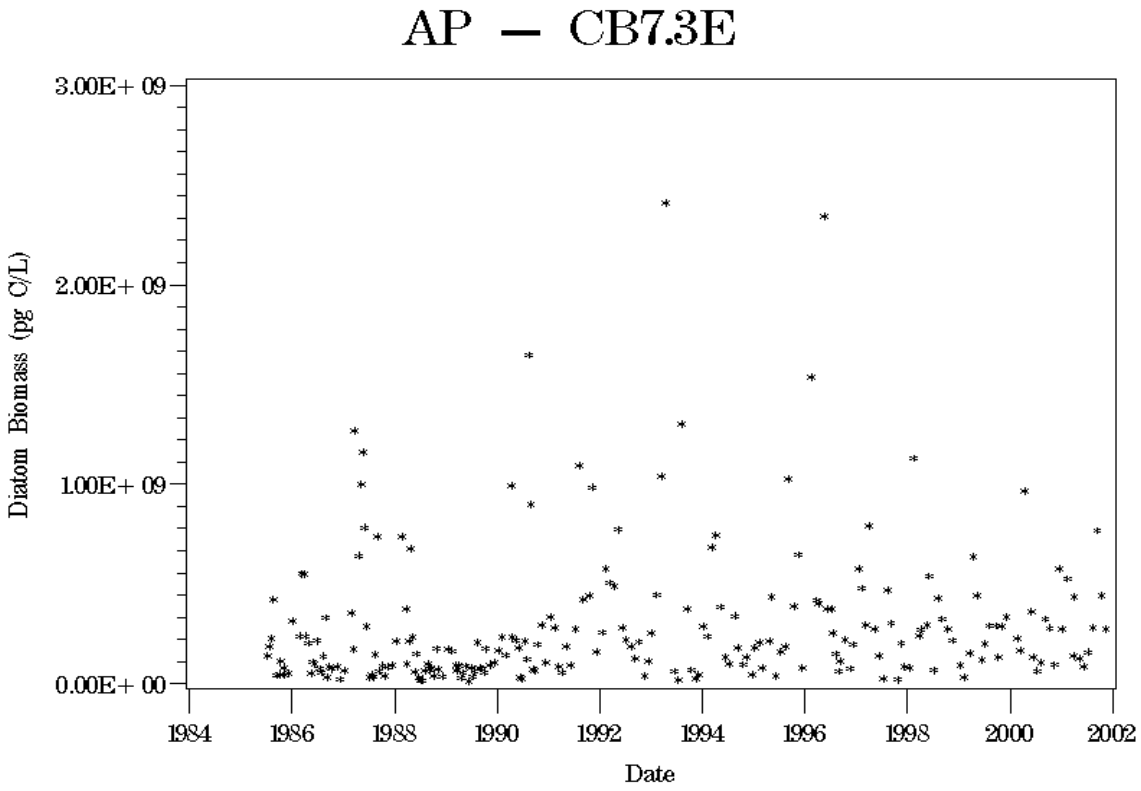

Figure F373. Plot of above pycnocline diatom biomass against time at station CB7.3E for the period of 1985 through 2001.

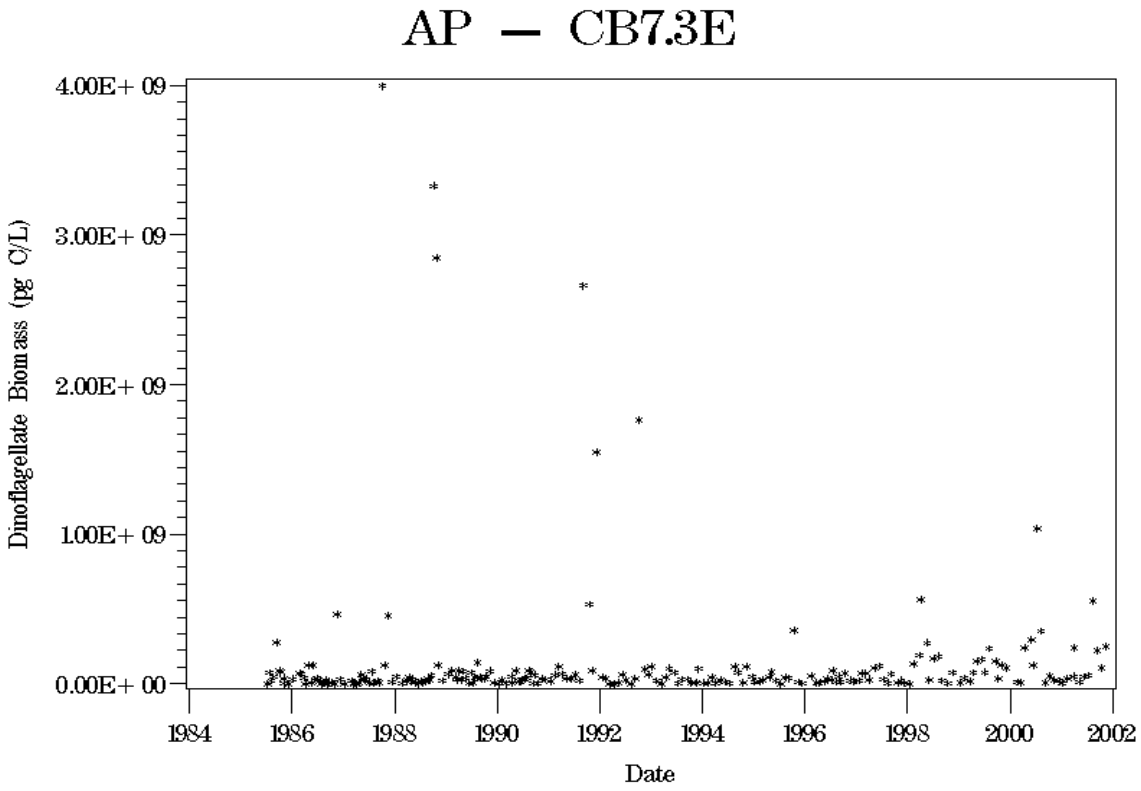

Figure F374. Plot of above pycnocline dinoflagellate biomass against time at station CB7.3E for the period of 1985 through 2001.

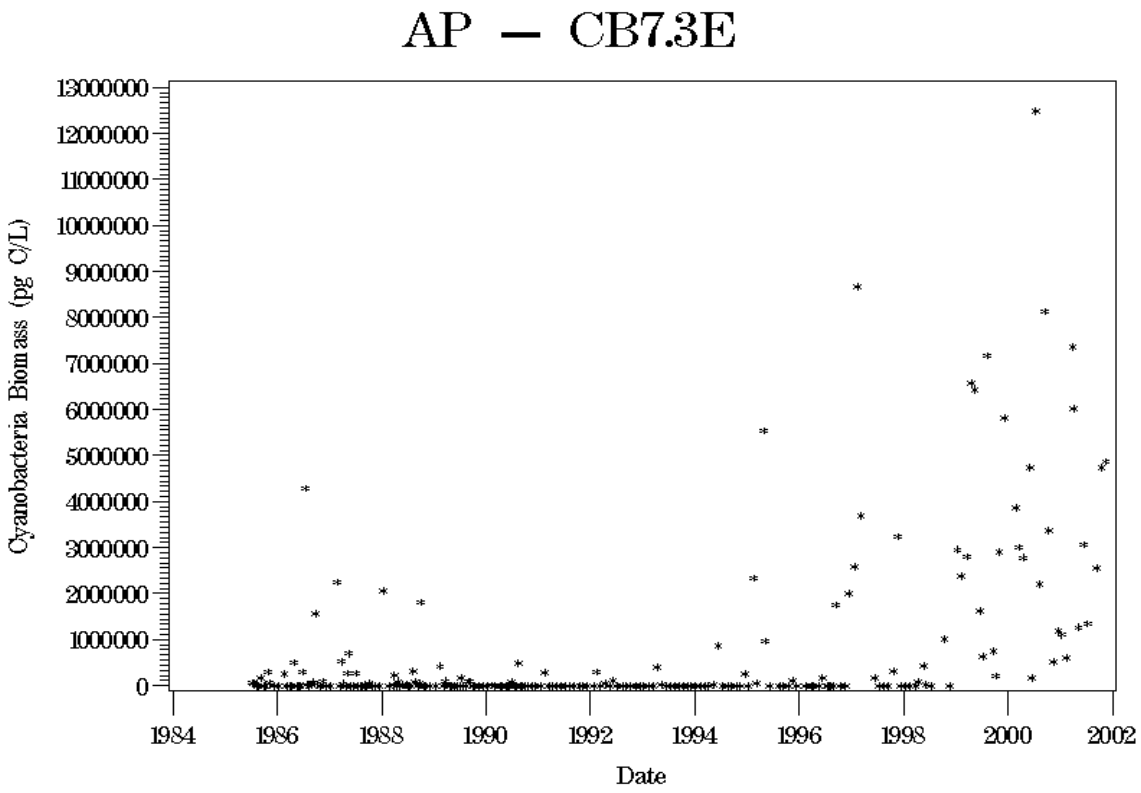

Figure F375. Plot of above pycnocline cyanobacteria biomass against time at station CB7.3E for the period of 1985 through 2001.

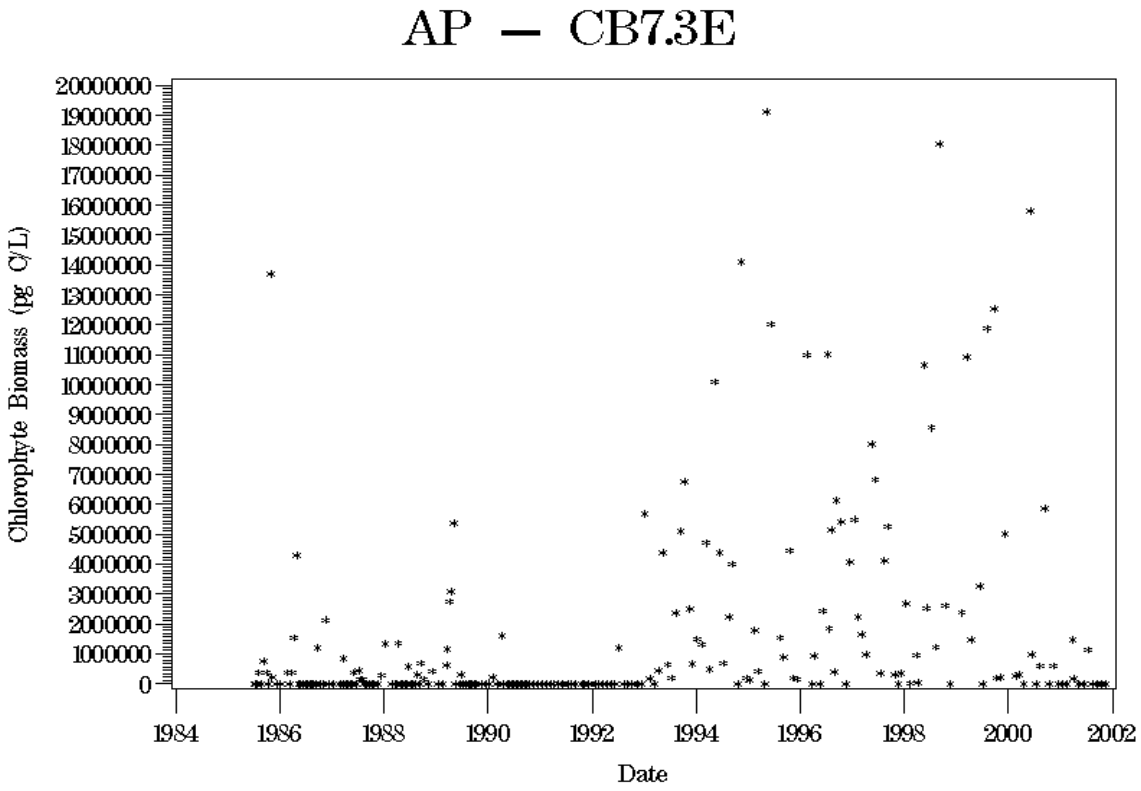

Figure F376. Plot of above pycnocline chlorophyte biomass against time at station CB7.3E for the period of 1985 through 2001.

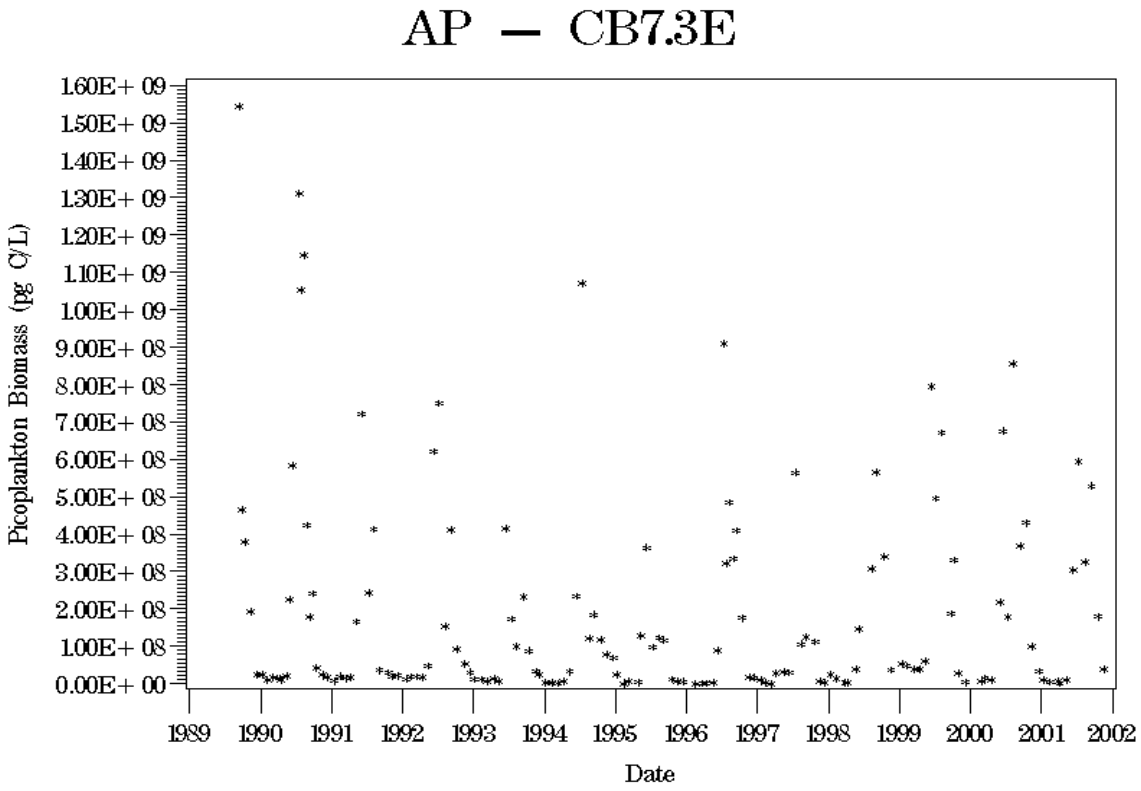

Figure F377. Plot of above pycnocline picoplankton biomass against time at station CB7.3E for the period of 1989 through 2001.

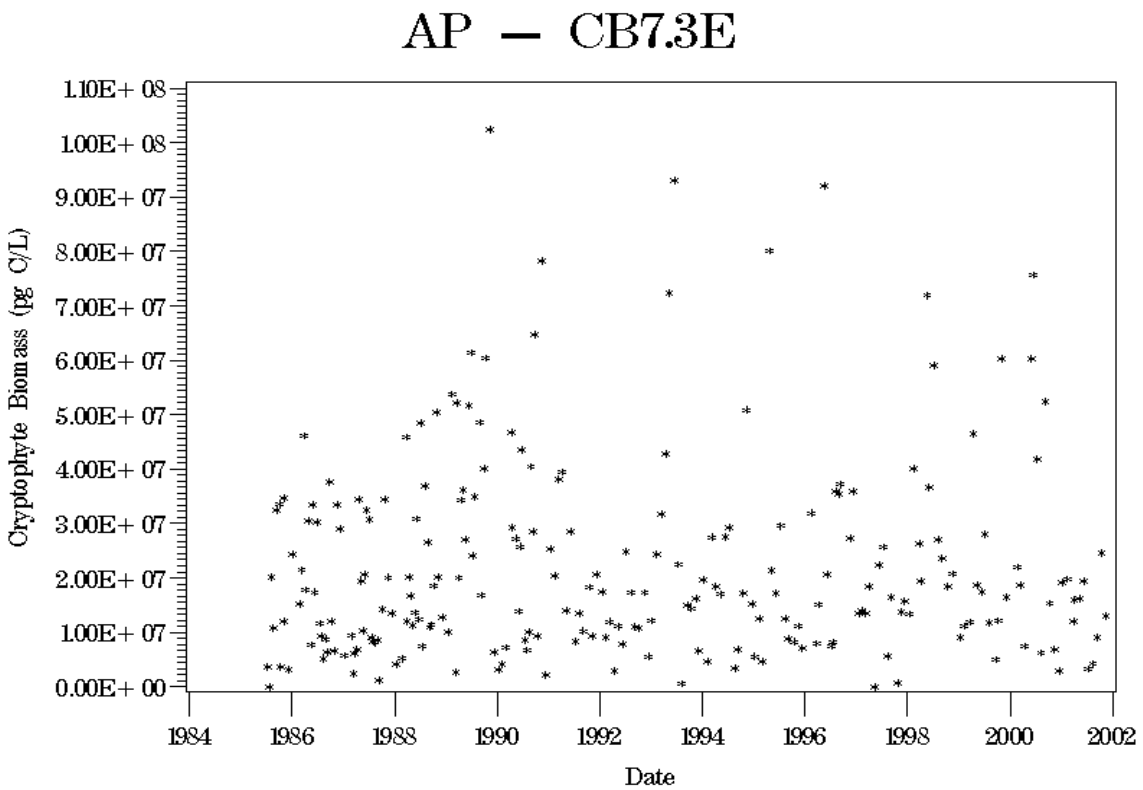

Figure F378. Plot of above pycnocline cryptophyte biomass at station CB7.3E for the period of 1985 through 2001.

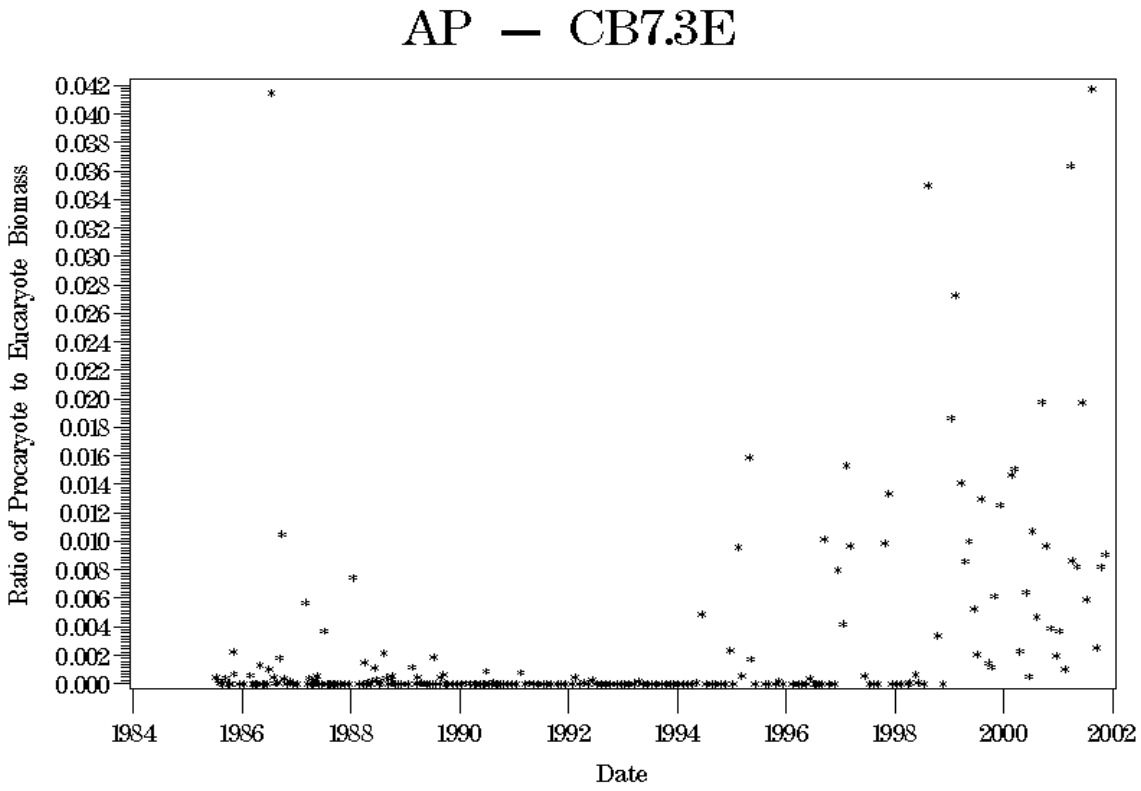

Figure F379. Plot of above pycnocline cyanophyte abundance at station CB7.3E for the period of 1985 through 2001.

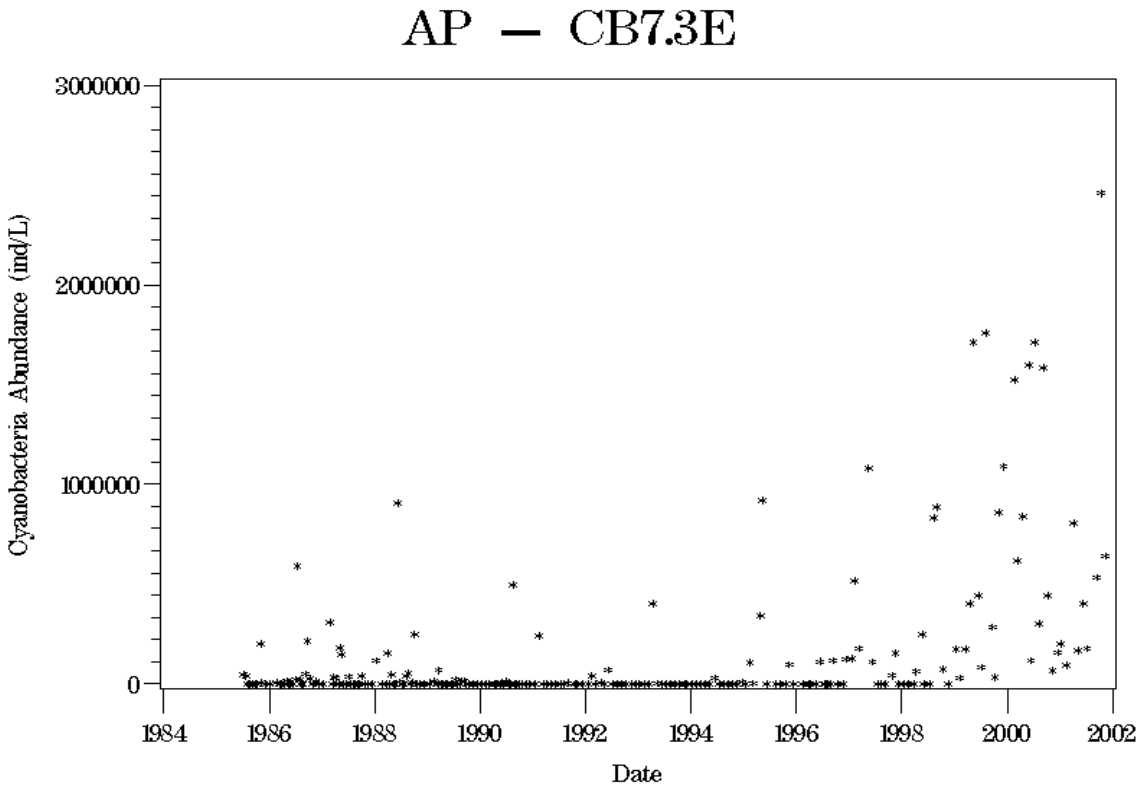

Figure F380. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station CB7.3E for the period of 1985 through 2001.

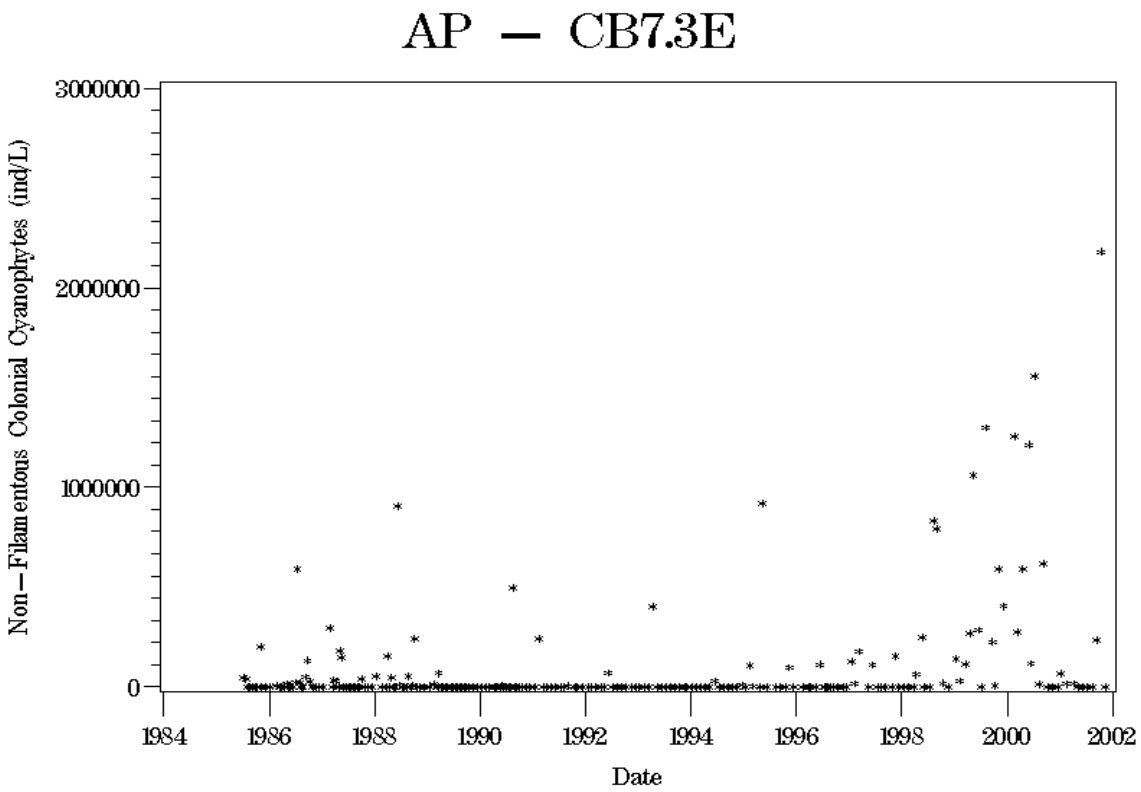

Figure F381. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station CB7.3E for the period of 1985 through 2001.

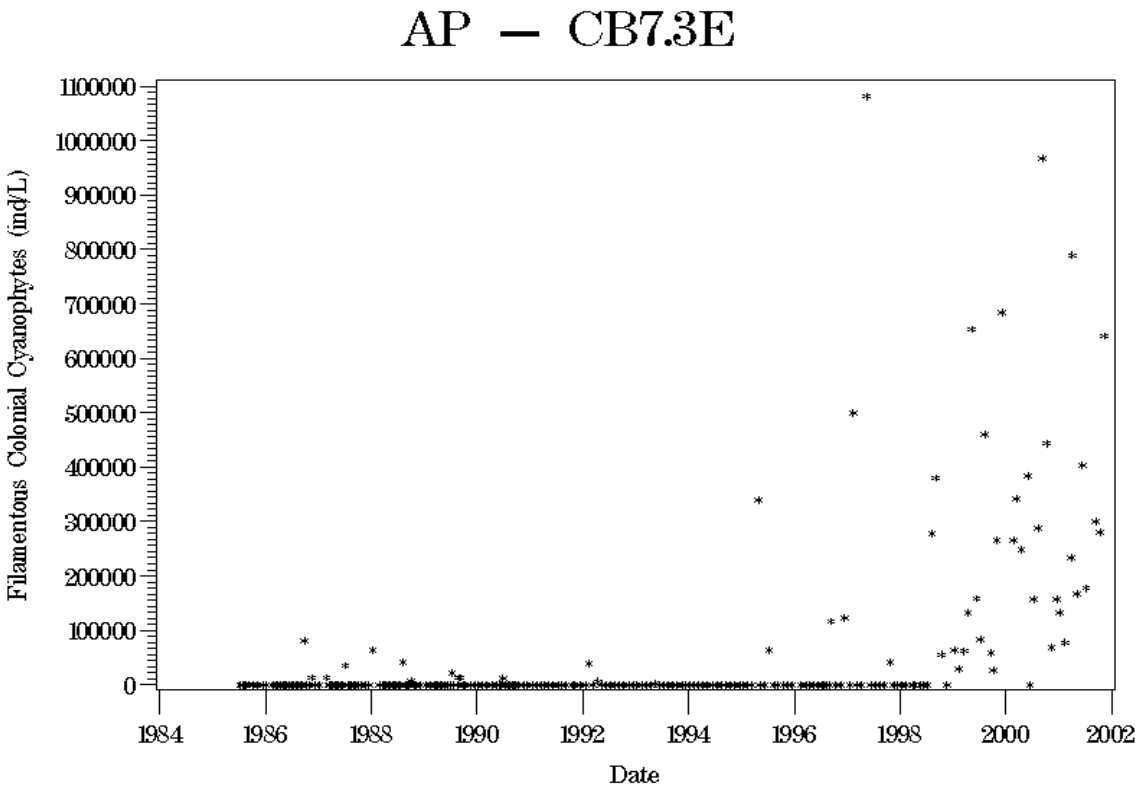

Figure F382. Plot of above pycnocline filamentous colonial cyanophyte abundance at station CB7.3E for the period of 1985 through 2001.

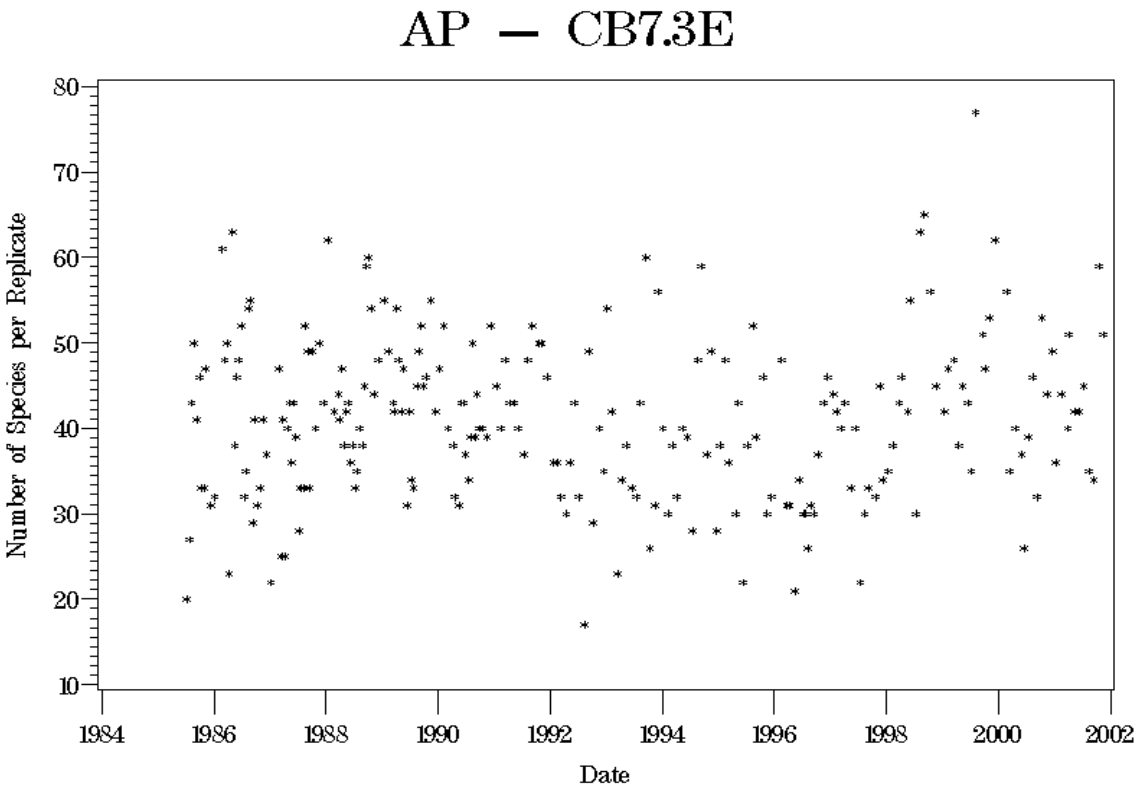

Figure F383. Plot of above pycnocline number of species per replicate at station CB7.3E for the period of 1985 through 2001.

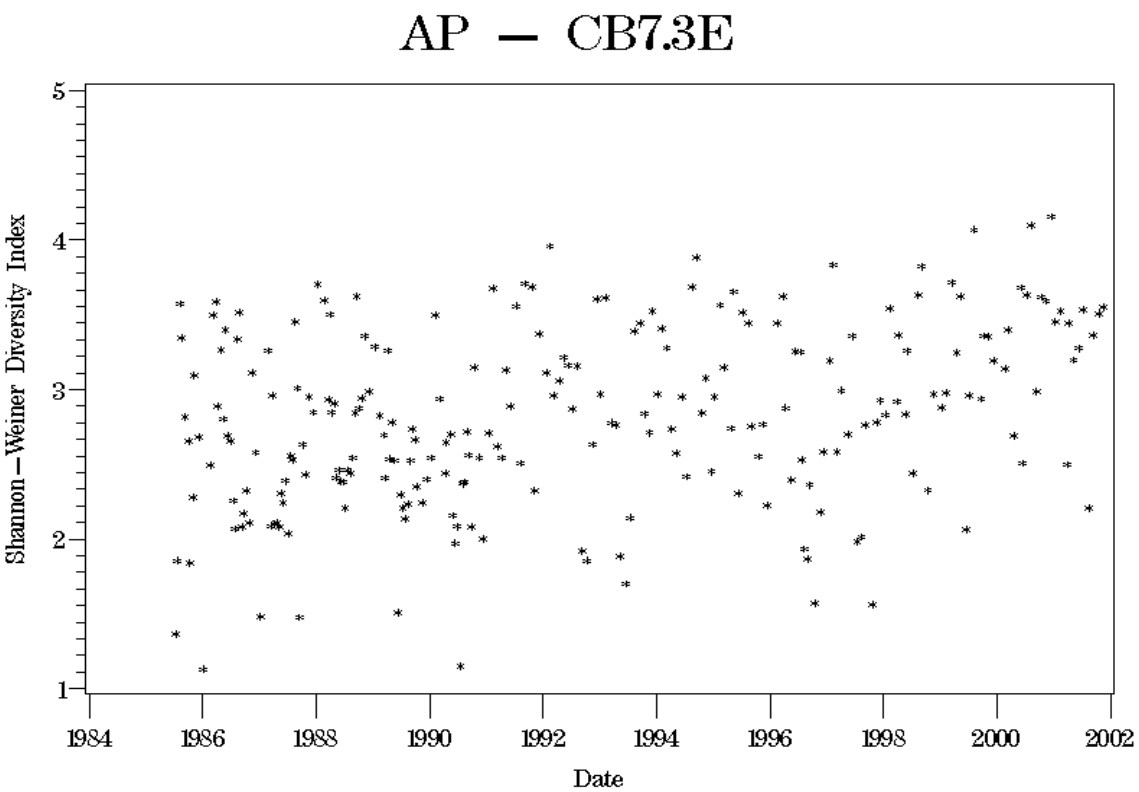

Figure F384. Plot of above pycnocline Shannon-Weiner diversity index at station CB7.3E for the period of 1985 through 2001.

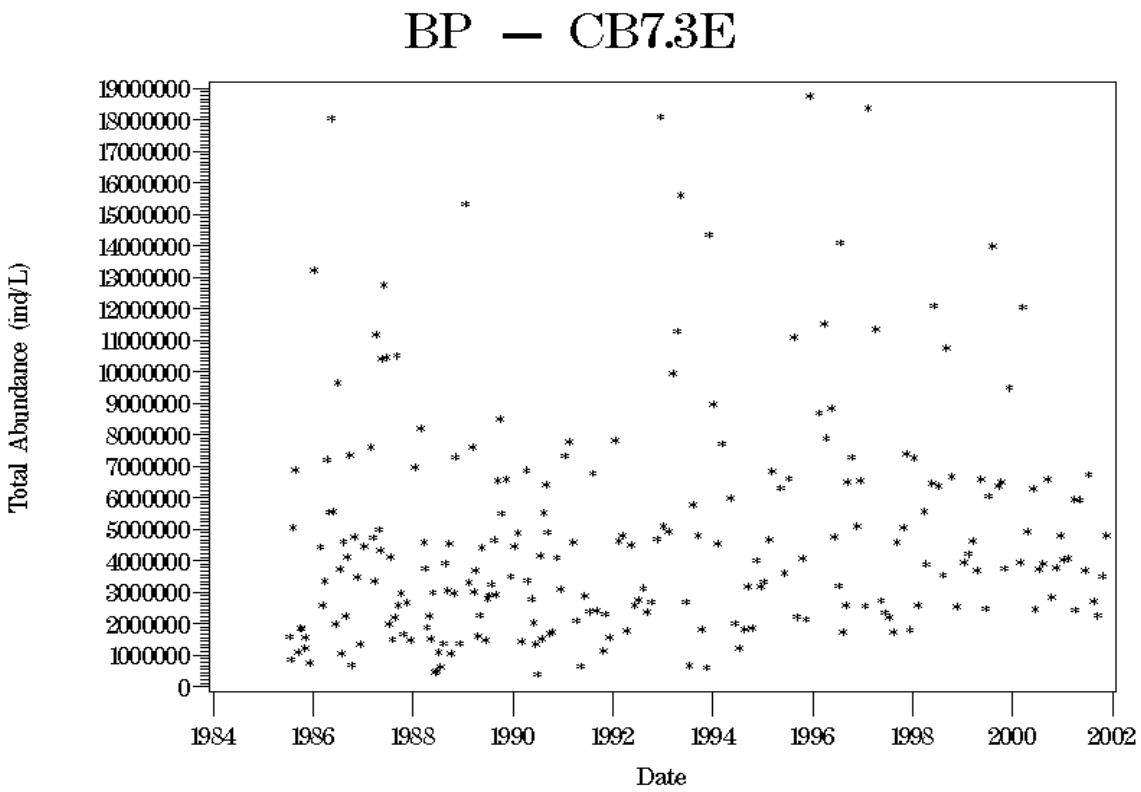

Figure F385. Plot of below pycnocline total phytoplankton abundance against time at station CB7.3E for the period of 1985 through 2001.

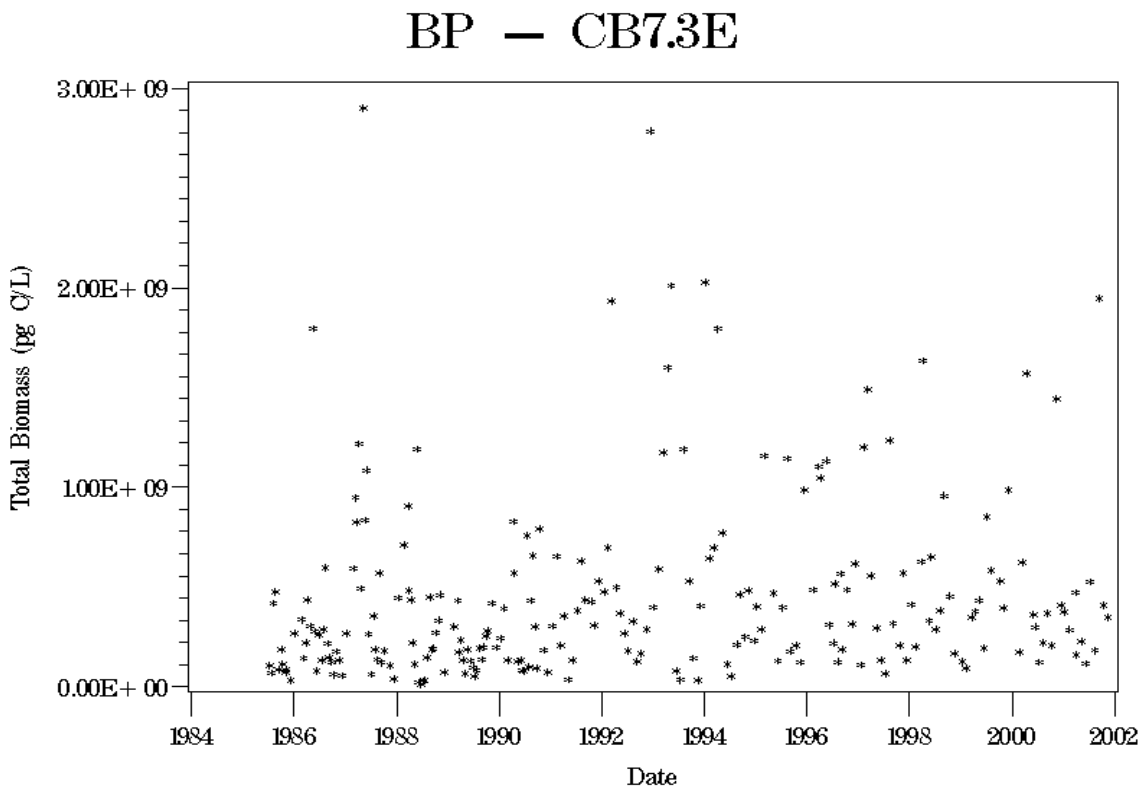

Figure F386. Plot of below pycnocline total phytoplankton biomass against time at station CB7.3E for the period of 1985 through 2001.

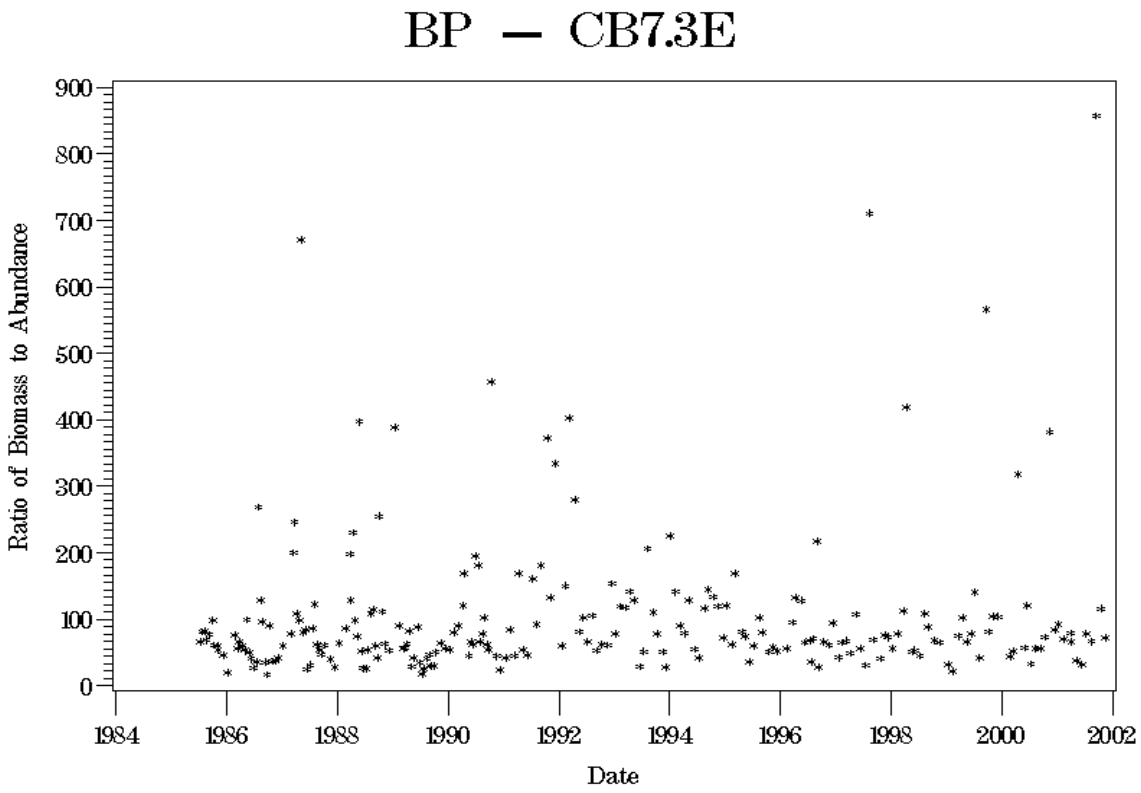

Figure F387. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB7.3E for the period of 1985 through 2001.

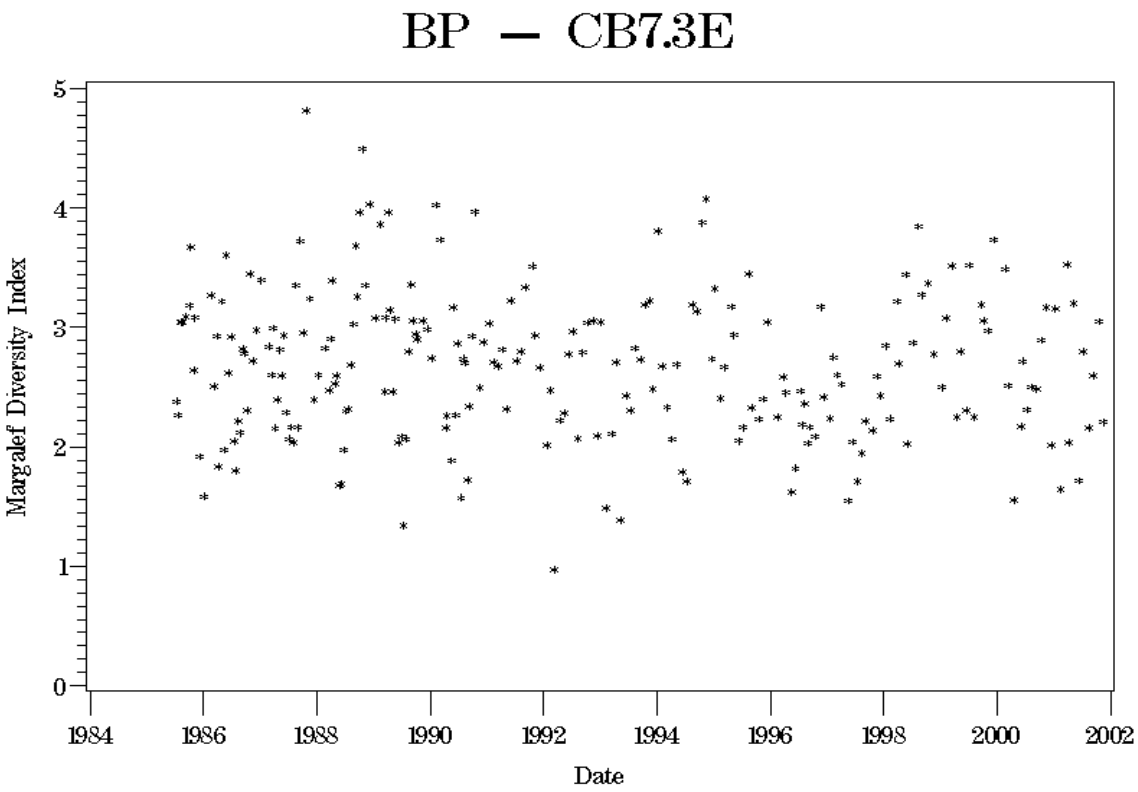

Figure F388. Plot of below pycnocline Margalef diversity index against time at station CB7.3E for the period of 1985 through 2001.

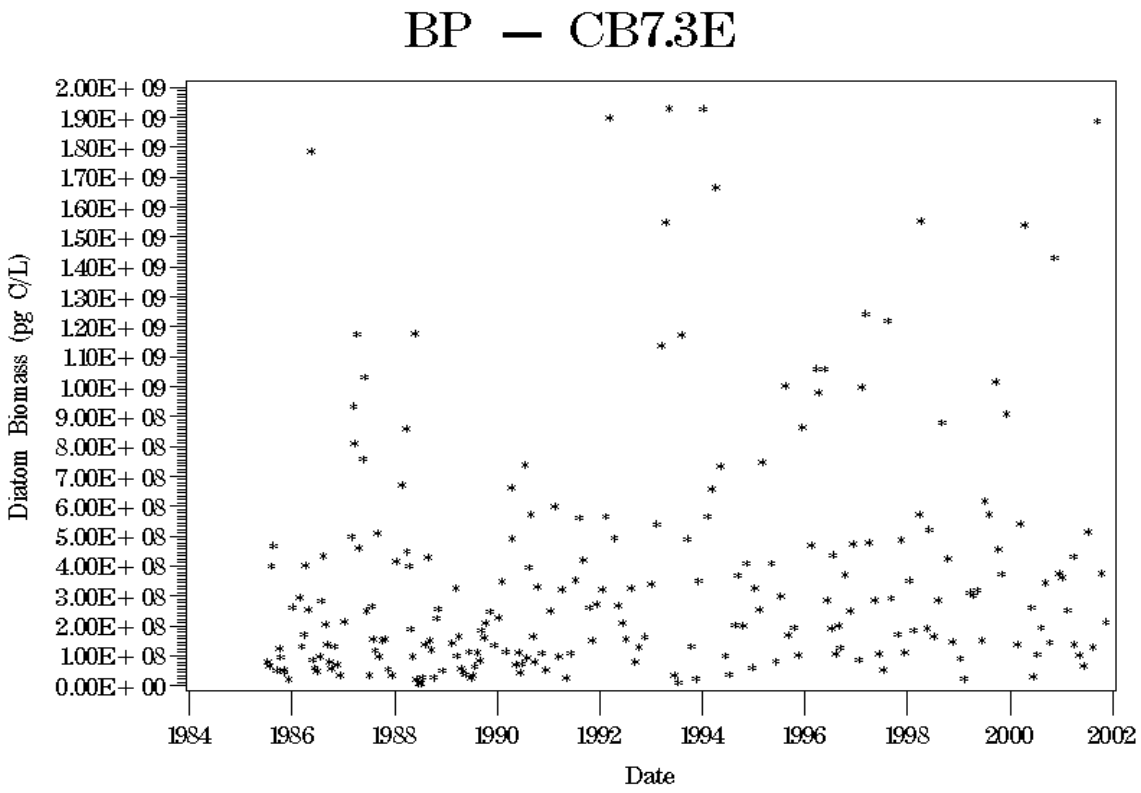

Figure F389. Plot of below pycnocline diatom biomass against time at station CB7.3E for the period of 1985 through 2001.

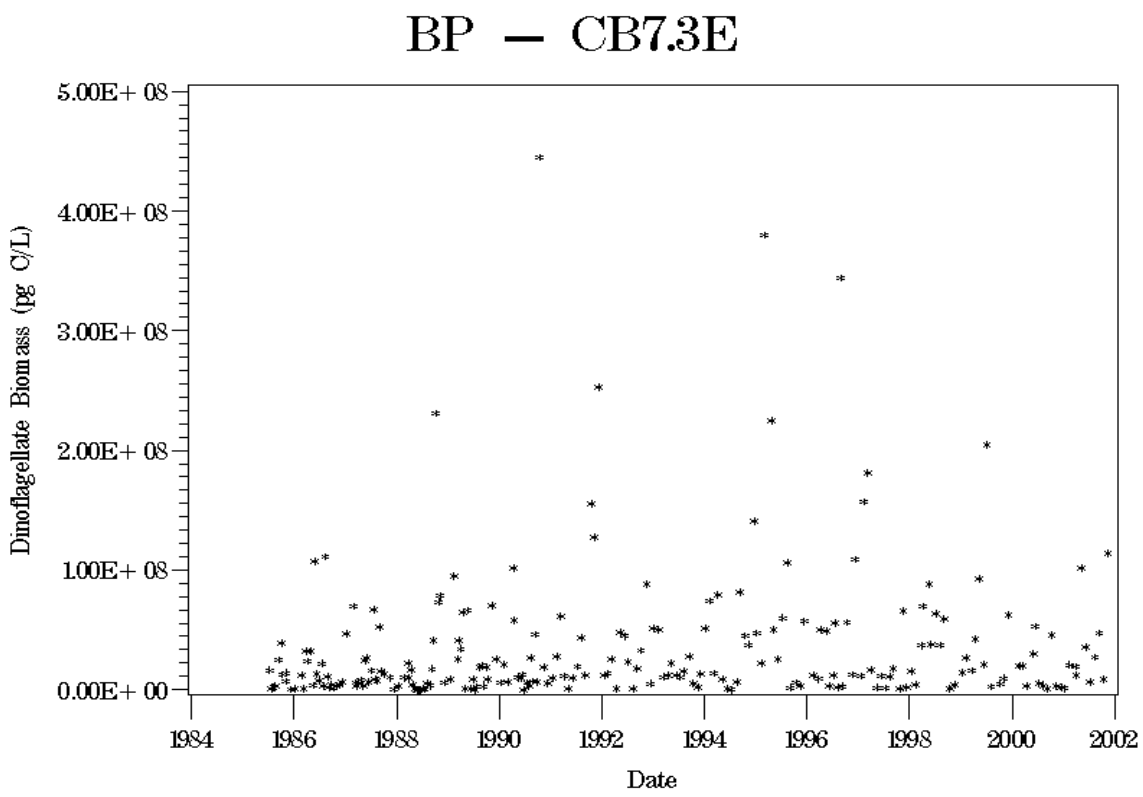

Figure F390. Plot of below pycnocline dinoflagellate biomass against time at station CB7.3E for the period of 1985 through 2001.

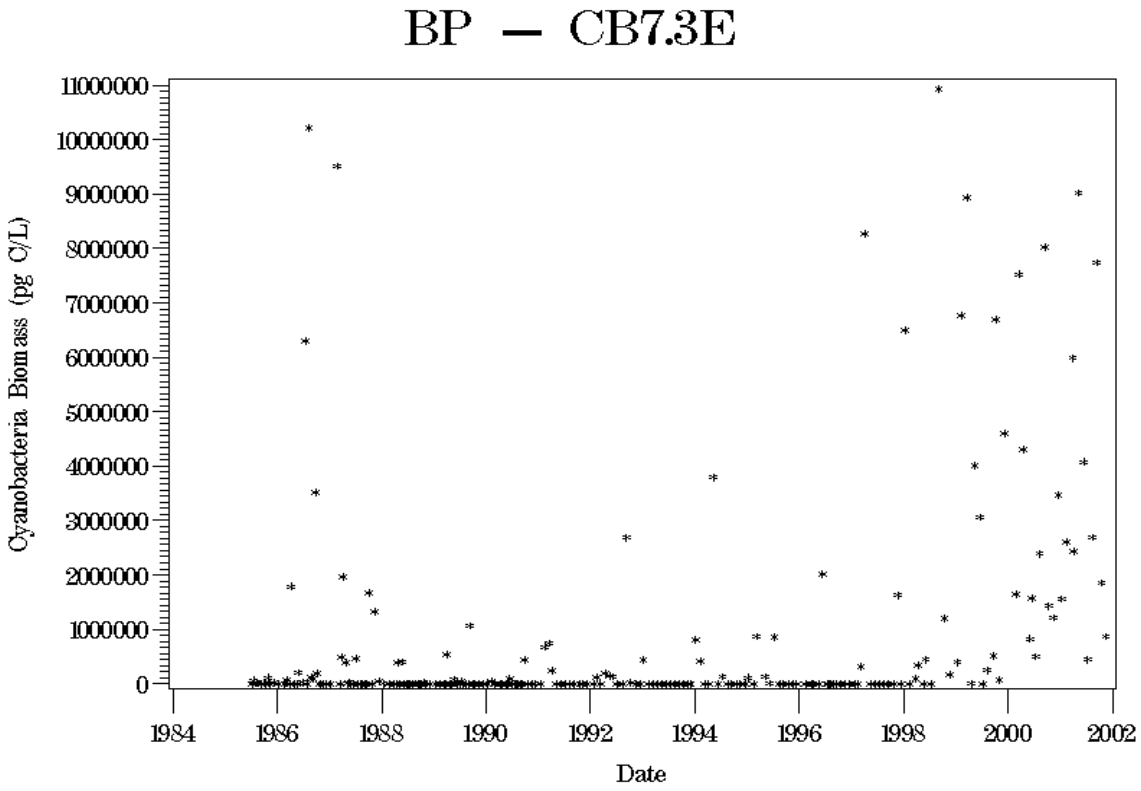

Figure F391. Plot of below pycnocline cyanobacteria biomass against time at station CB7.3E for the period of 1985 through 2001.

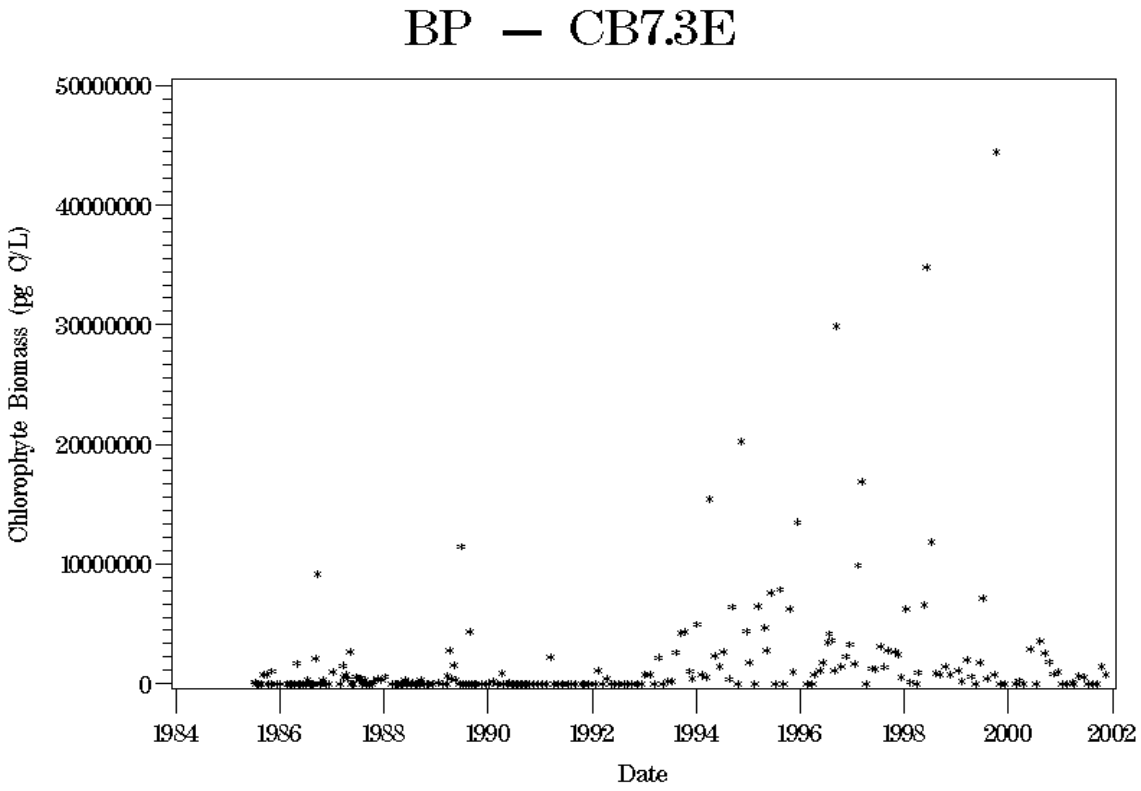

Figure F392. Plot of below pycnocline chlorophyte biomass against time at station CB7.3E for the period of 1985 through 2001.

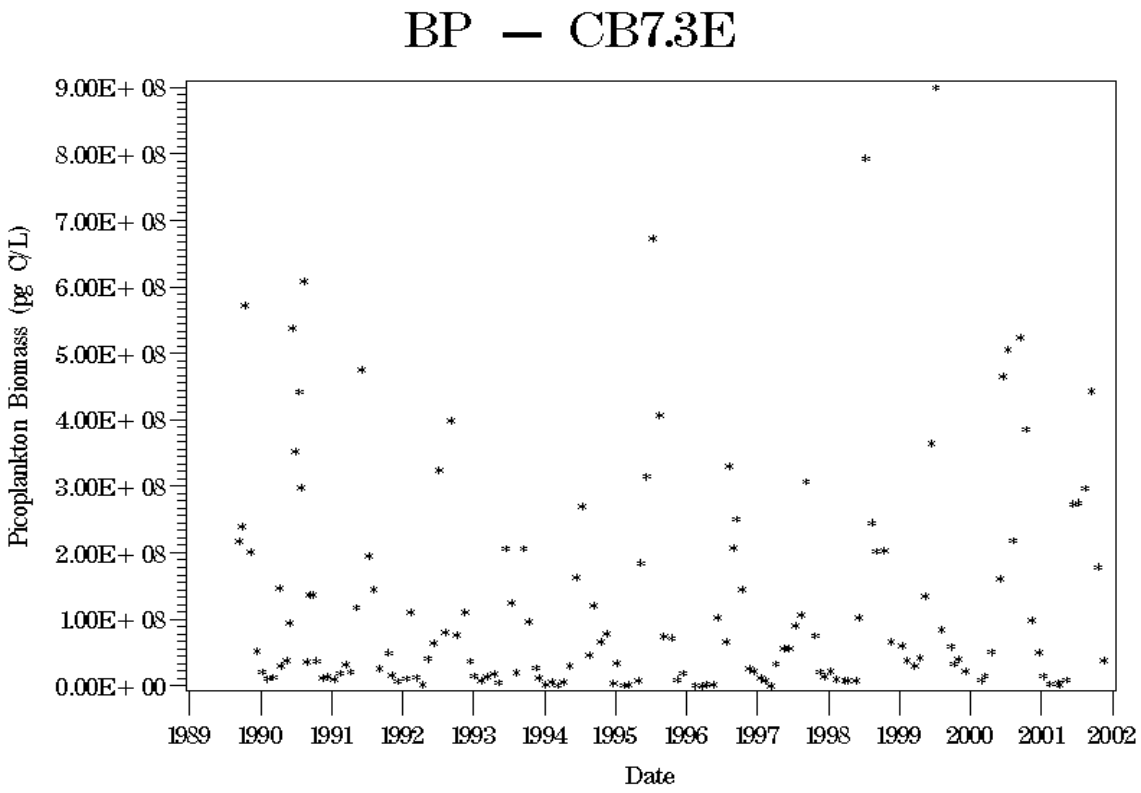

Figure F393. Plot of below pycnocline picoplankton biomass against time at station CB7.3E for the period of 1989 through 2001.

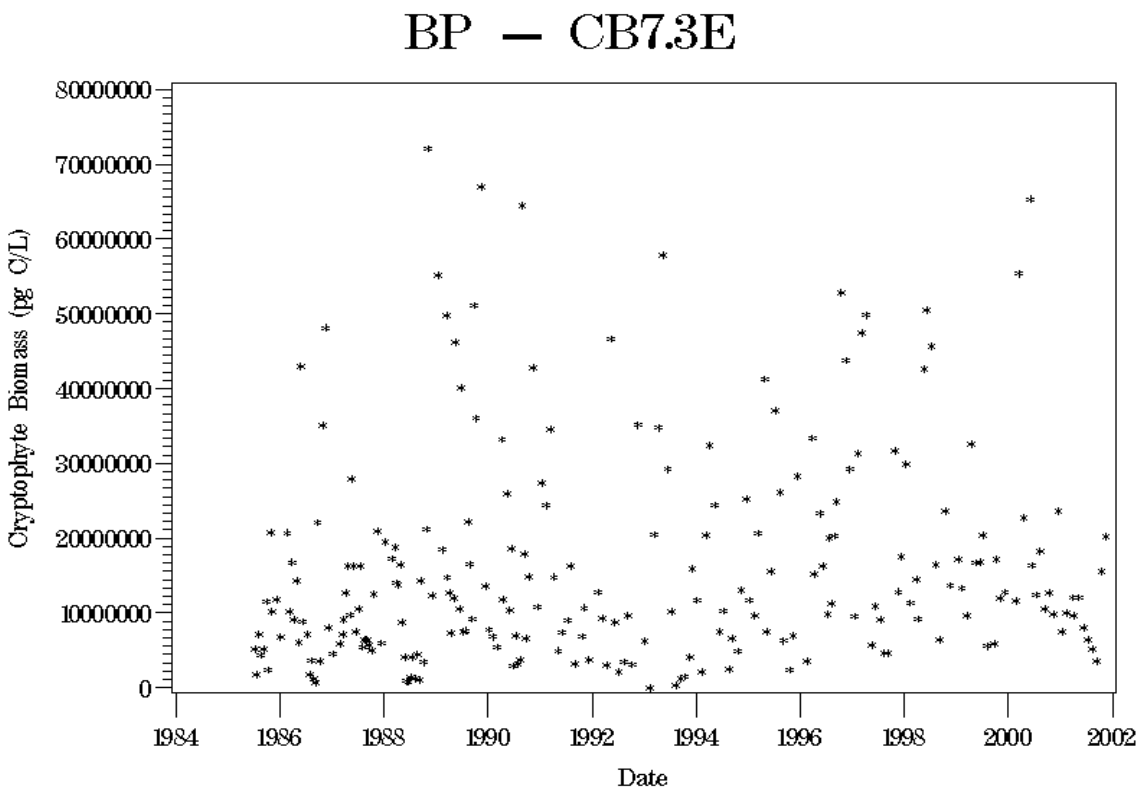

Figure F394. Plot of below pycnocline cryptophyte biomass at station CB7.3E for the period of 1985 through 2001.

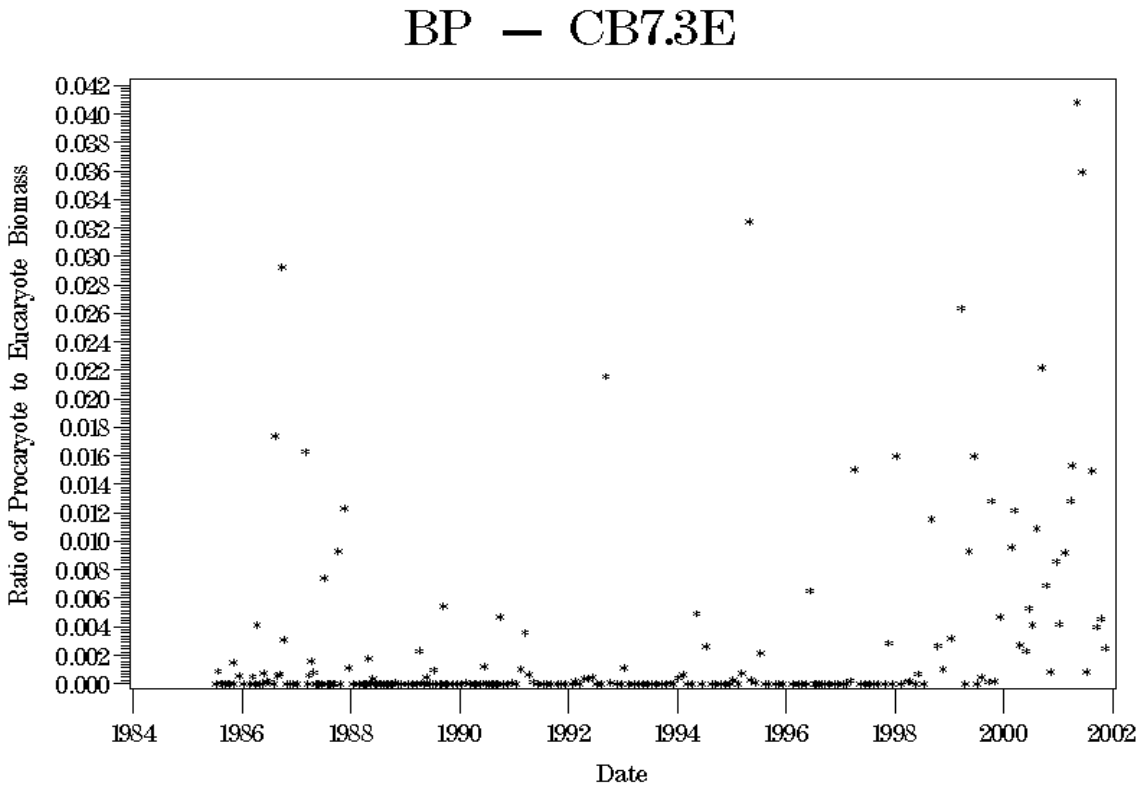

Figure F395. Plot of below pycnocline cyanophyte abundance at station CB7.3E for the period of 1985 through 2001.

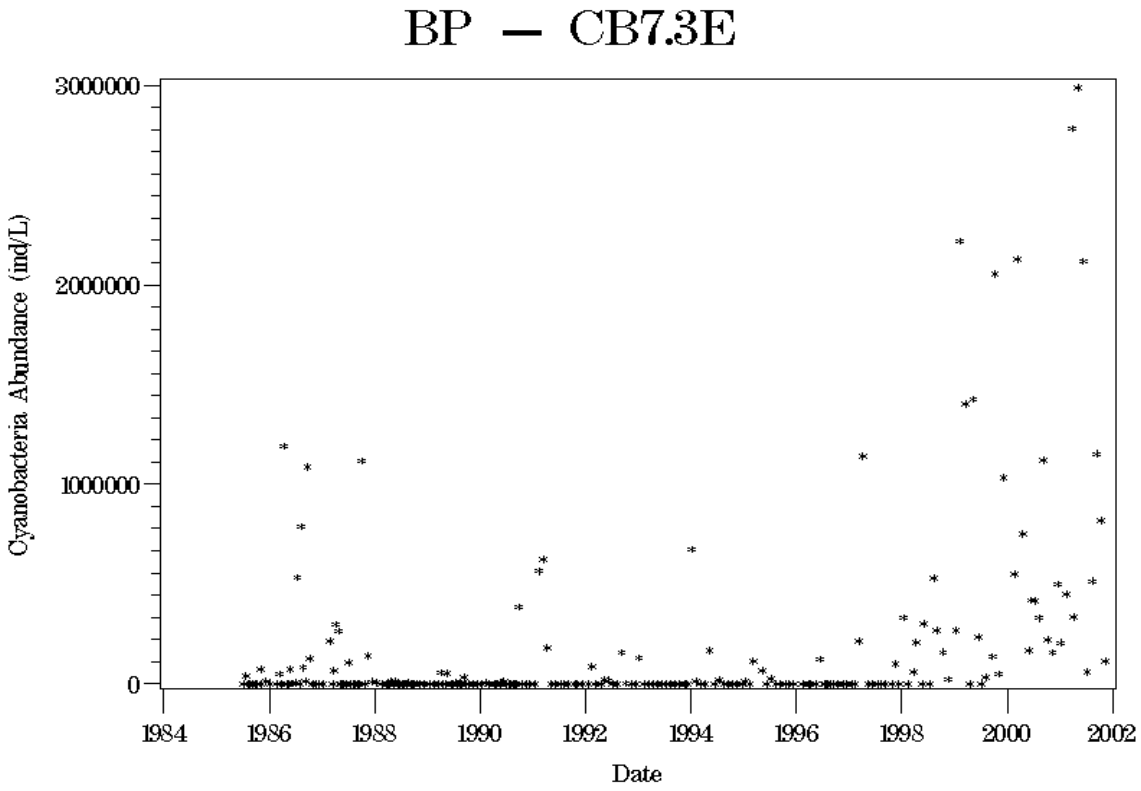

Figure F396. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station CB7.3E for the period of 1985 through 2001.

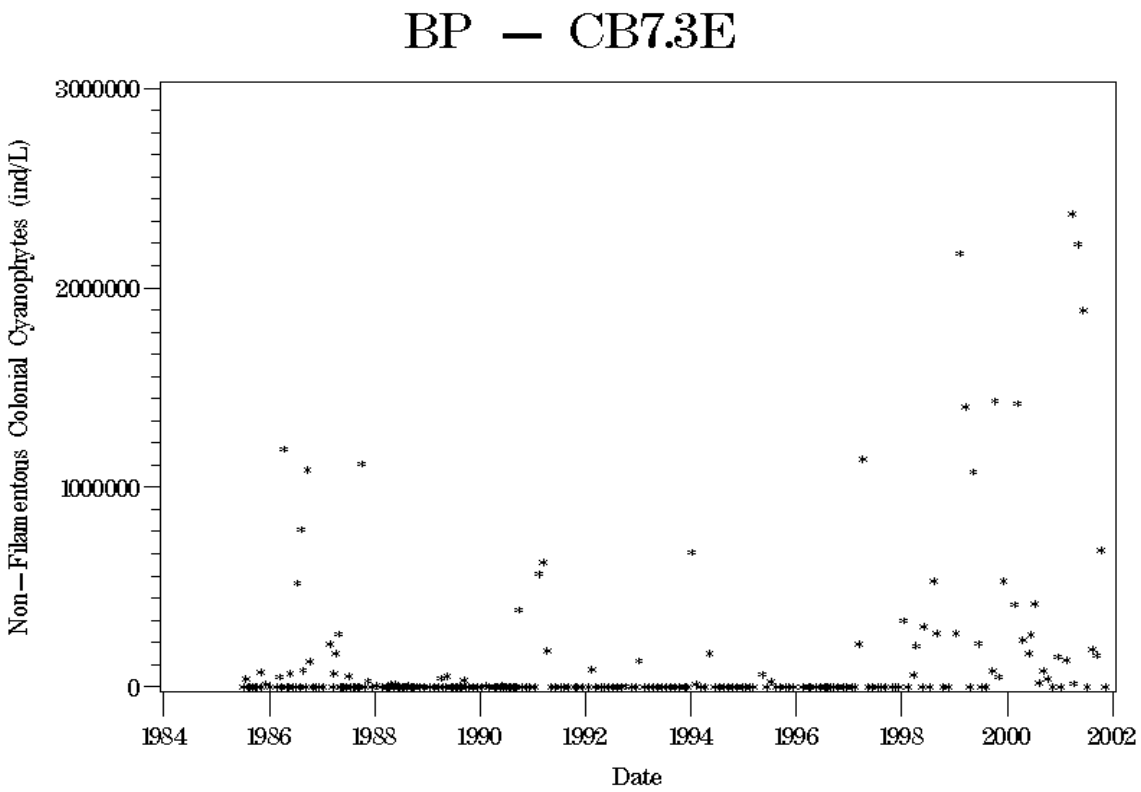

Figure F397. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station CB7.3E for the period of 1985 through 2001.

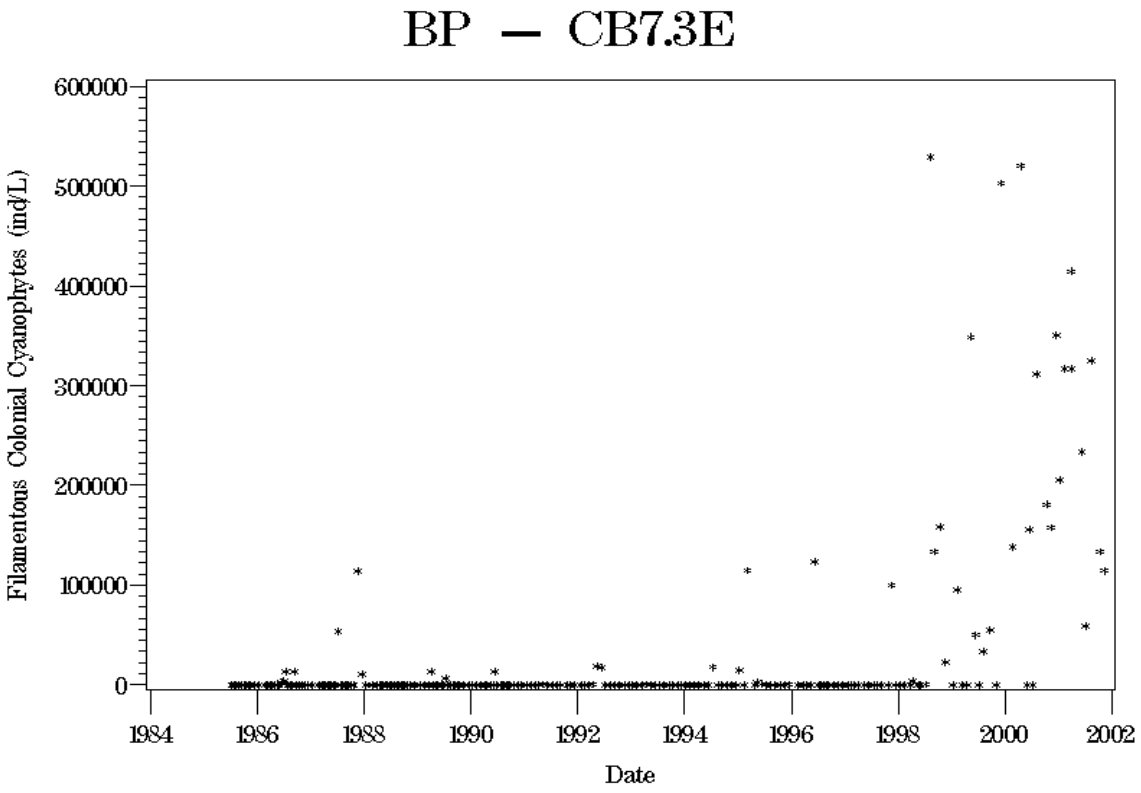

Figure F398. Plot of below pycnocline filamentous colonial cyanophyte abundance at station CB7.3E for the period of 1985 through 2001.

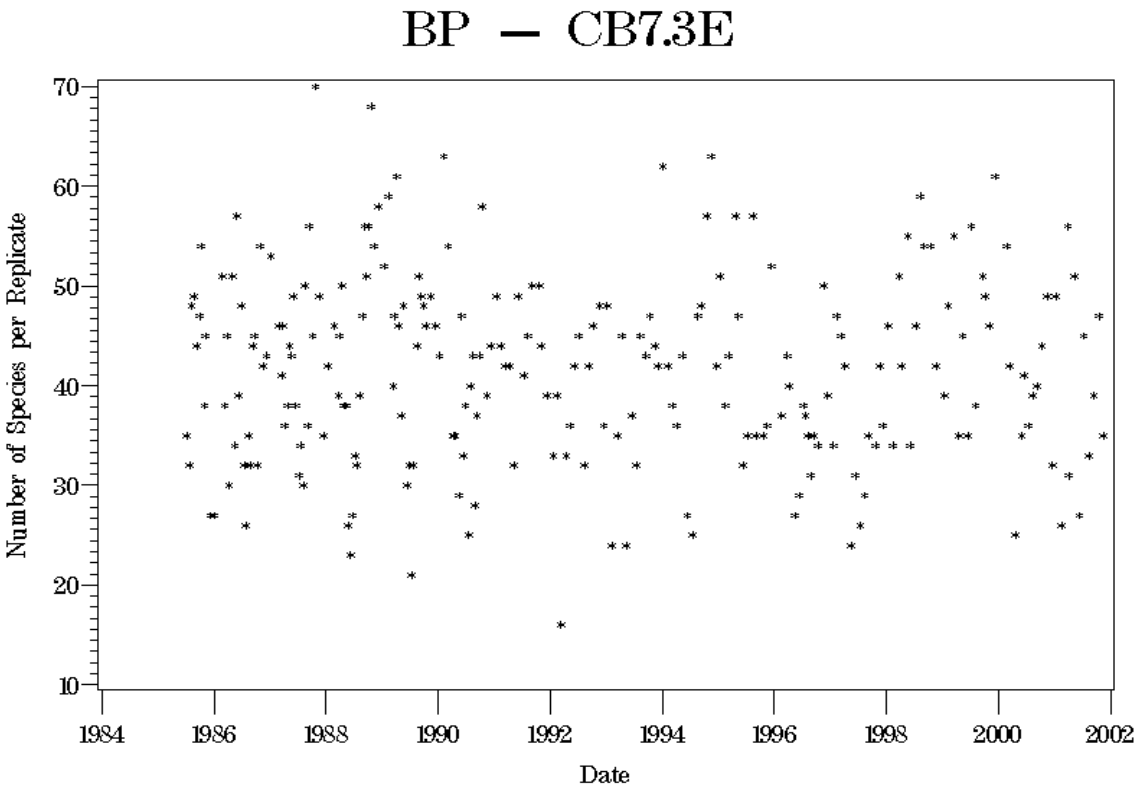

Figure F399. Plot of below pycnocline number of species per replicate at station CB7.3E for the period of 1985 through 2001.

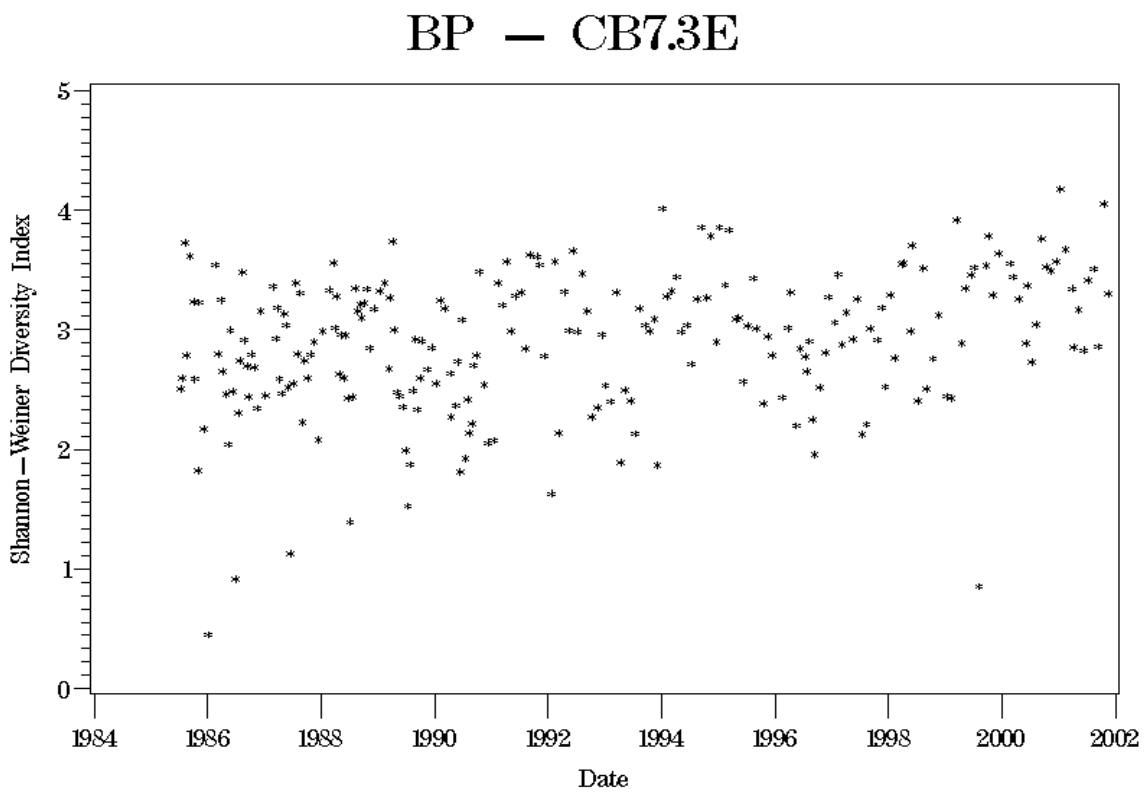

Figure F400. Plot of below pycnocline Shannon-Weiner diversity index at station CB7.3E for the period of 1985 through 2001.

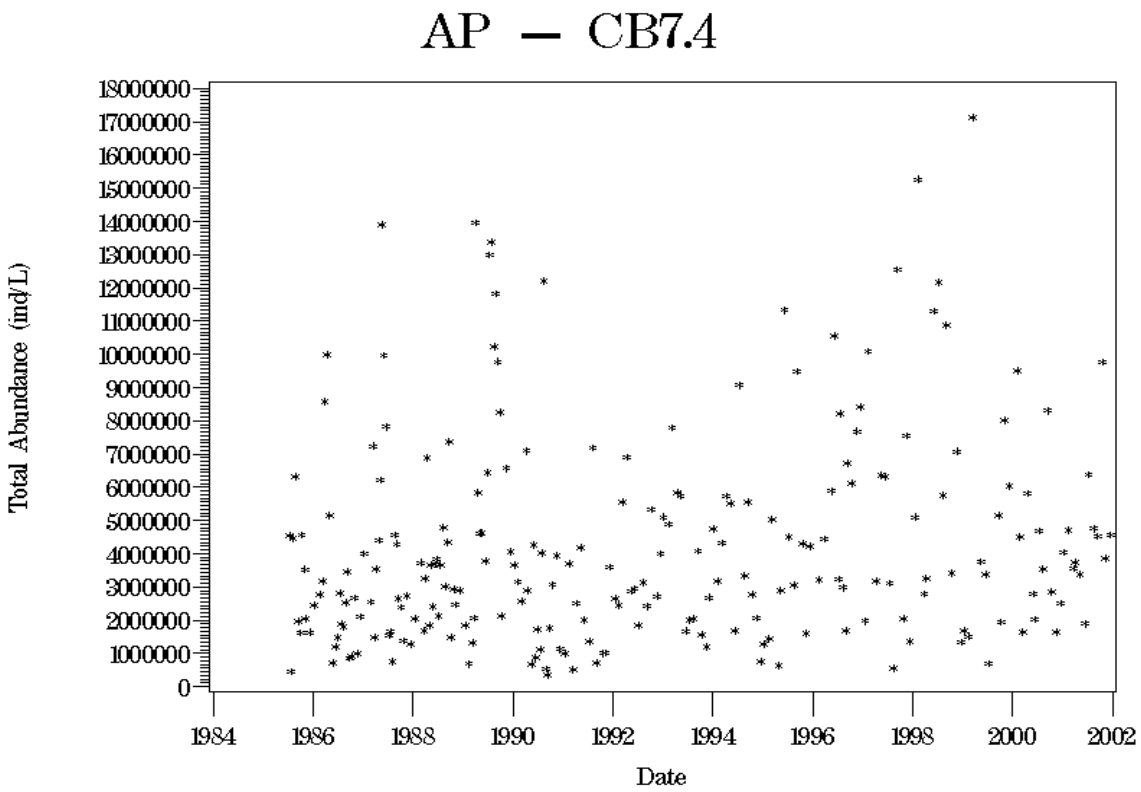

Figure F401. Plot of above pycnocline total phytoplankton abundance against time at station CB7.4 for the period of 1985 through 2001.

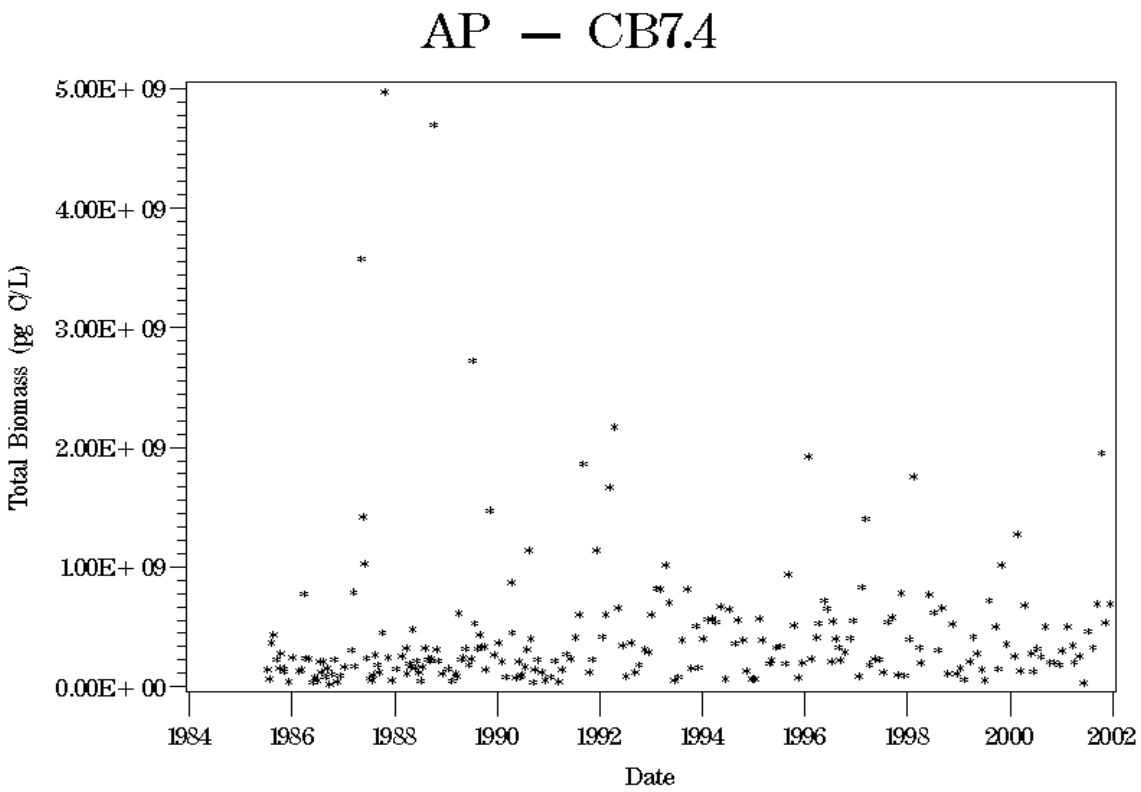

Figure F402. Plot of above pycnocline total phytoplankton biomass against time at station CB7.4 for the period of 1985 through 2001.

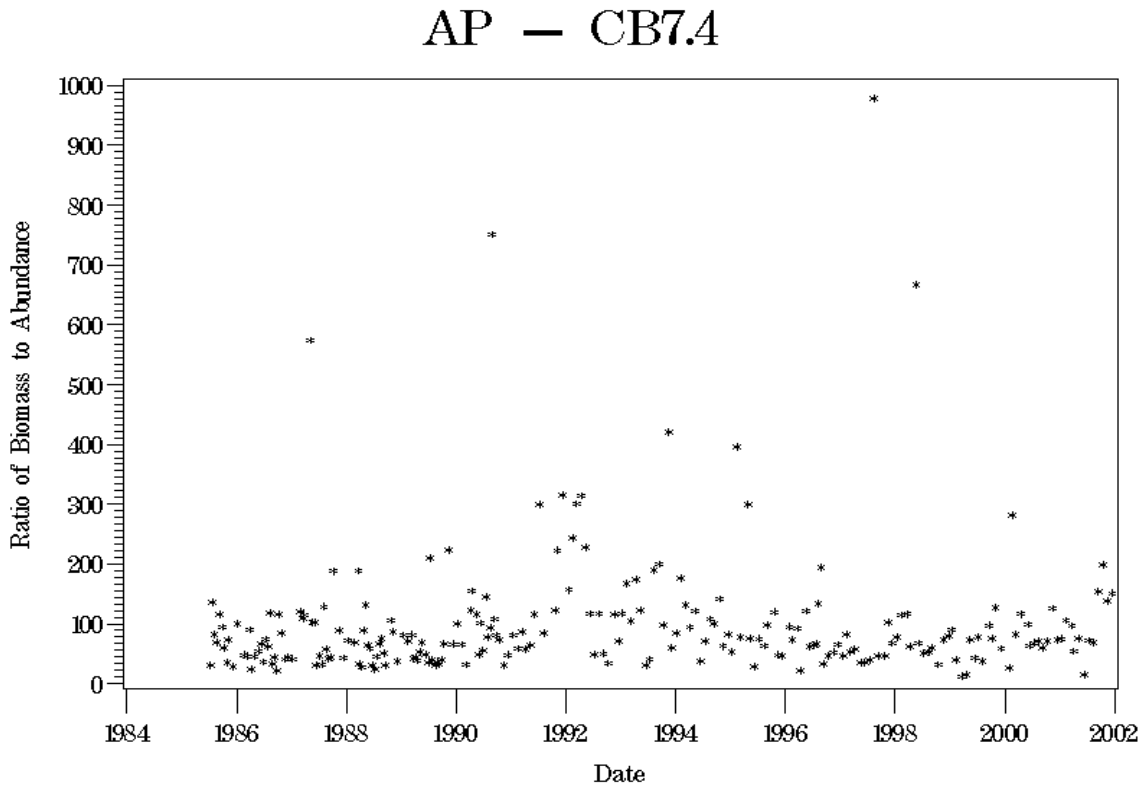

Figure F403. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB7.4 for the period of 1985 through 2001.

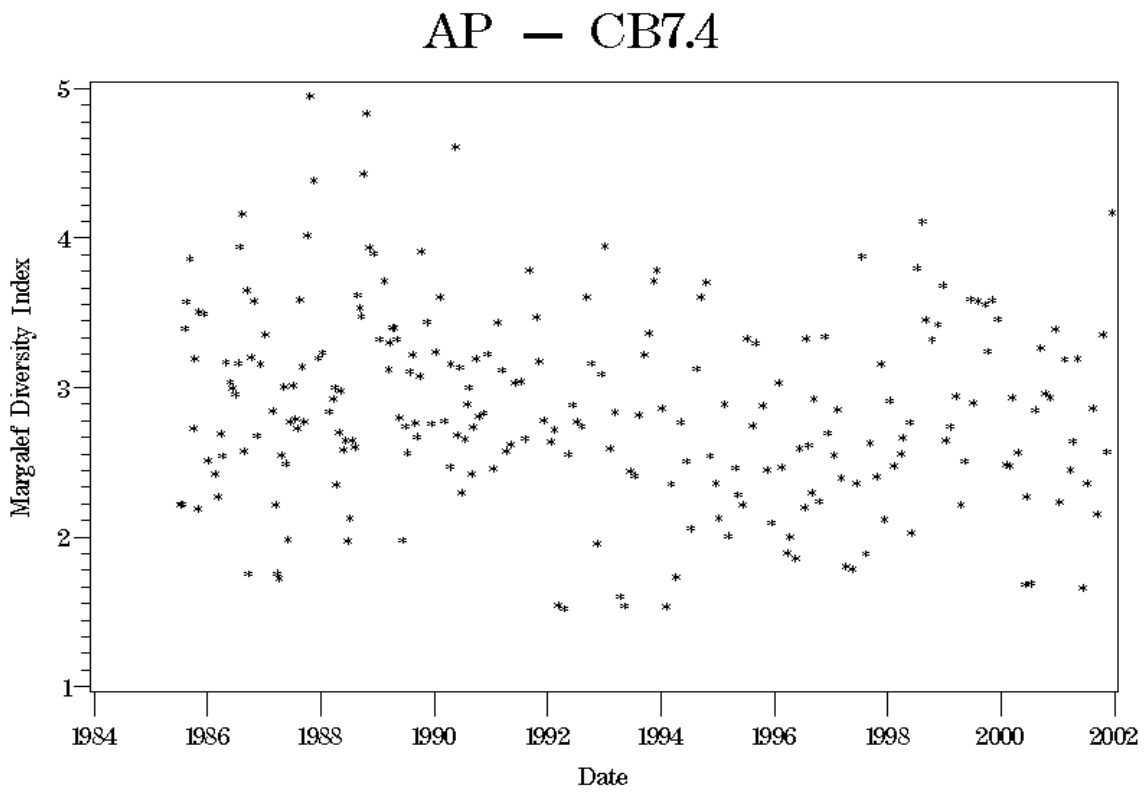

Figure F404. Plot of above pycnocline Margalef diversity index against time at station CB7.4 for the period of 1985 through 2001.

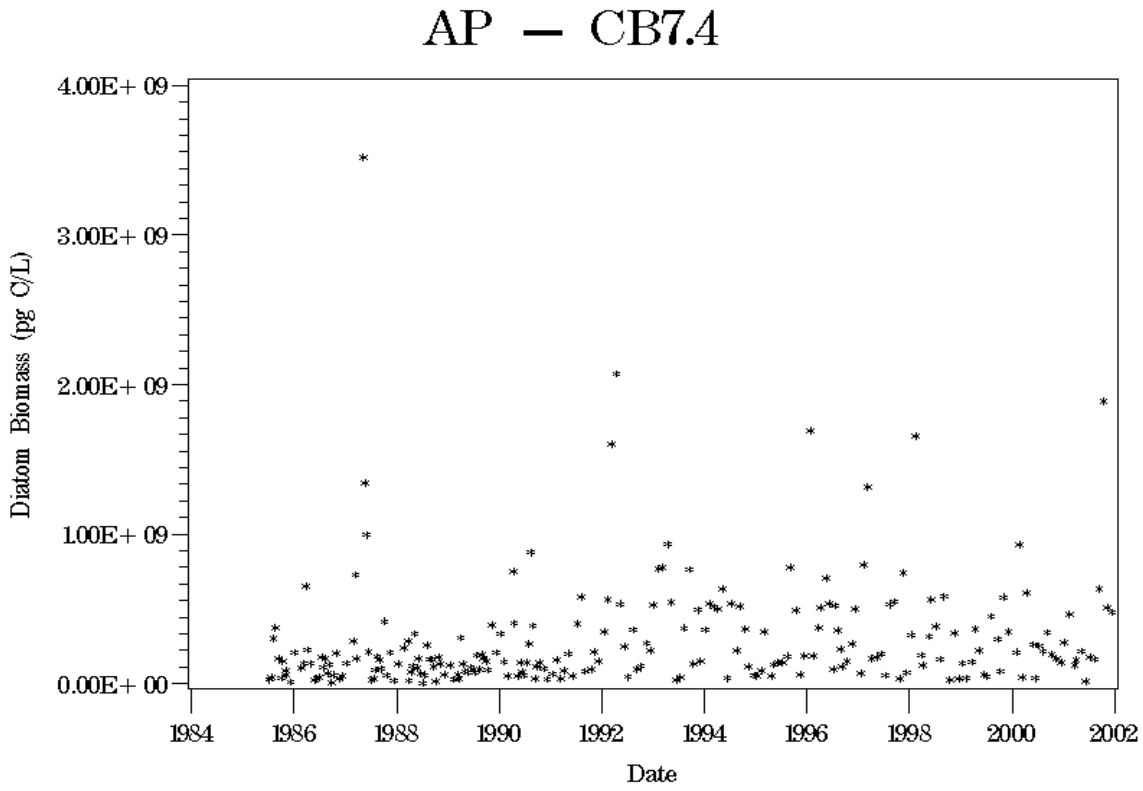

Figure F405. Plot of above pycnocline diatom biomass against time at station CB7.4 for the period of 1985 through 2001.

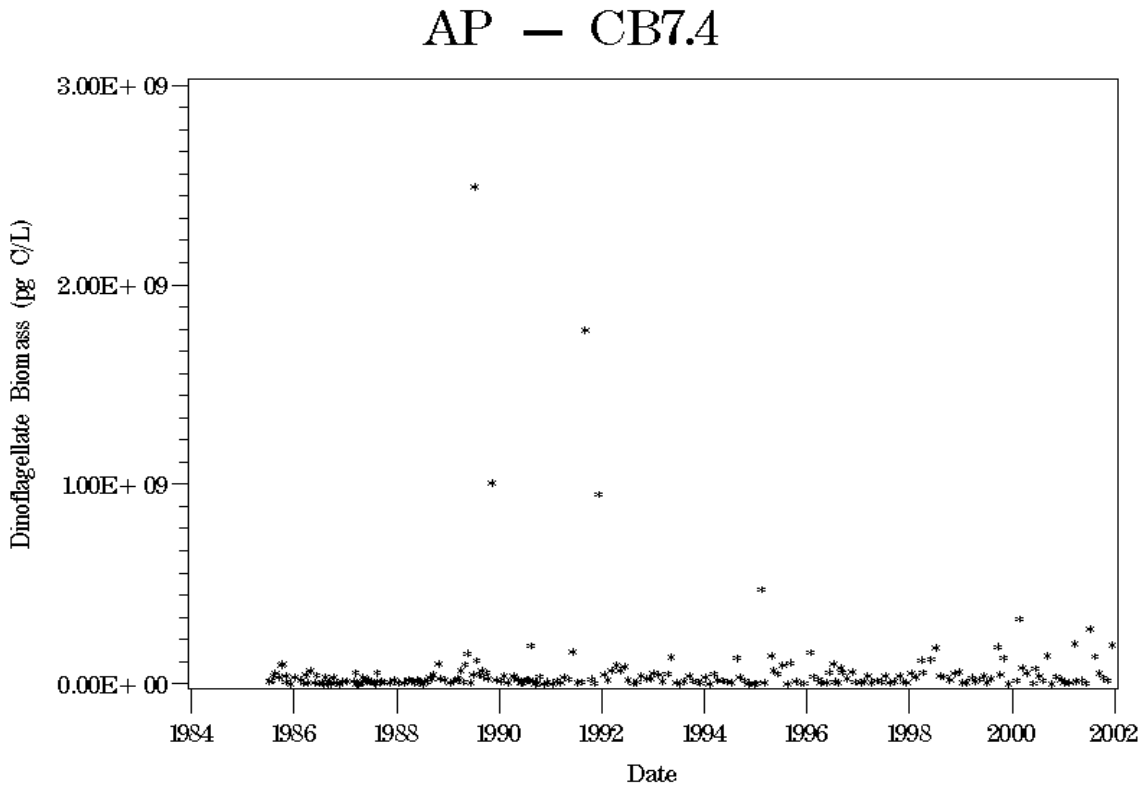

Figure F406. Plot of above pycnocline dinoflagellate biomass against time at station CB7.4 for the period of 1985 through 2001.

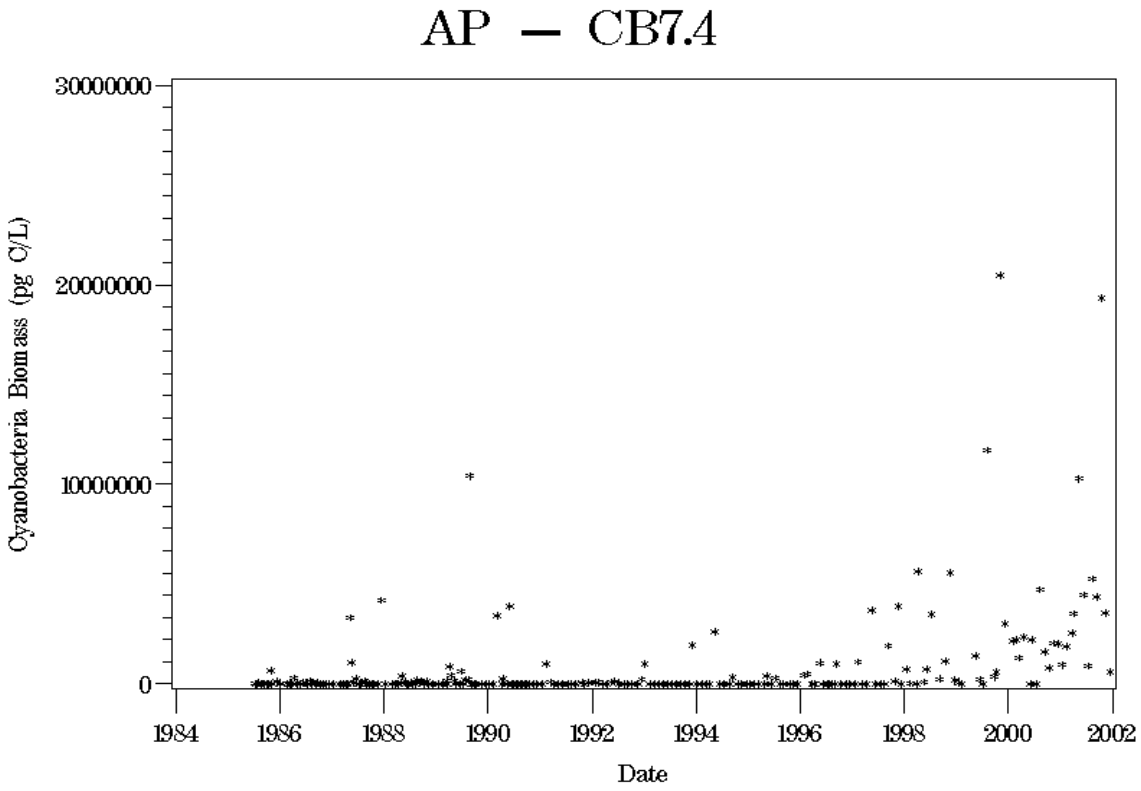

Figure F407. Plot of above pycnocline cyanobacteria biomass against time at station CB7.4 for the period of 1985 through 2001.

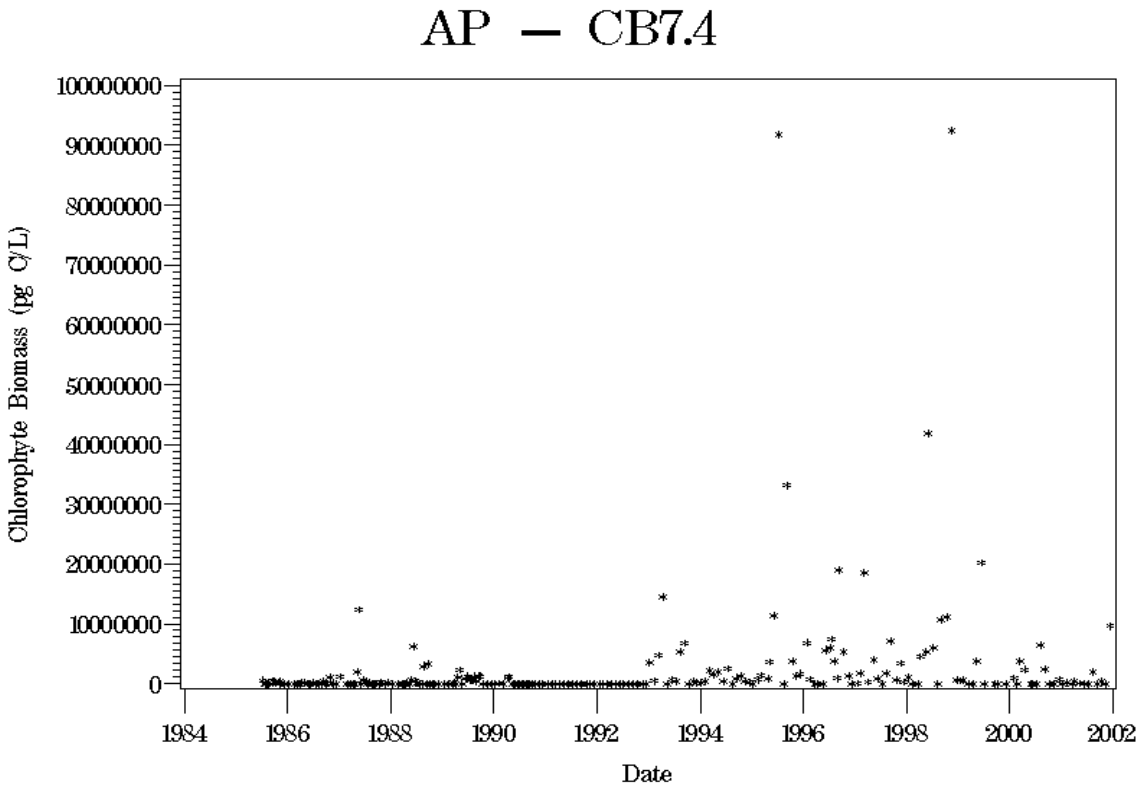

Figure F408. Plot of above pycnocline chlorophyte biomass against time at station CB7.4 for the period of 1985 through 2001.

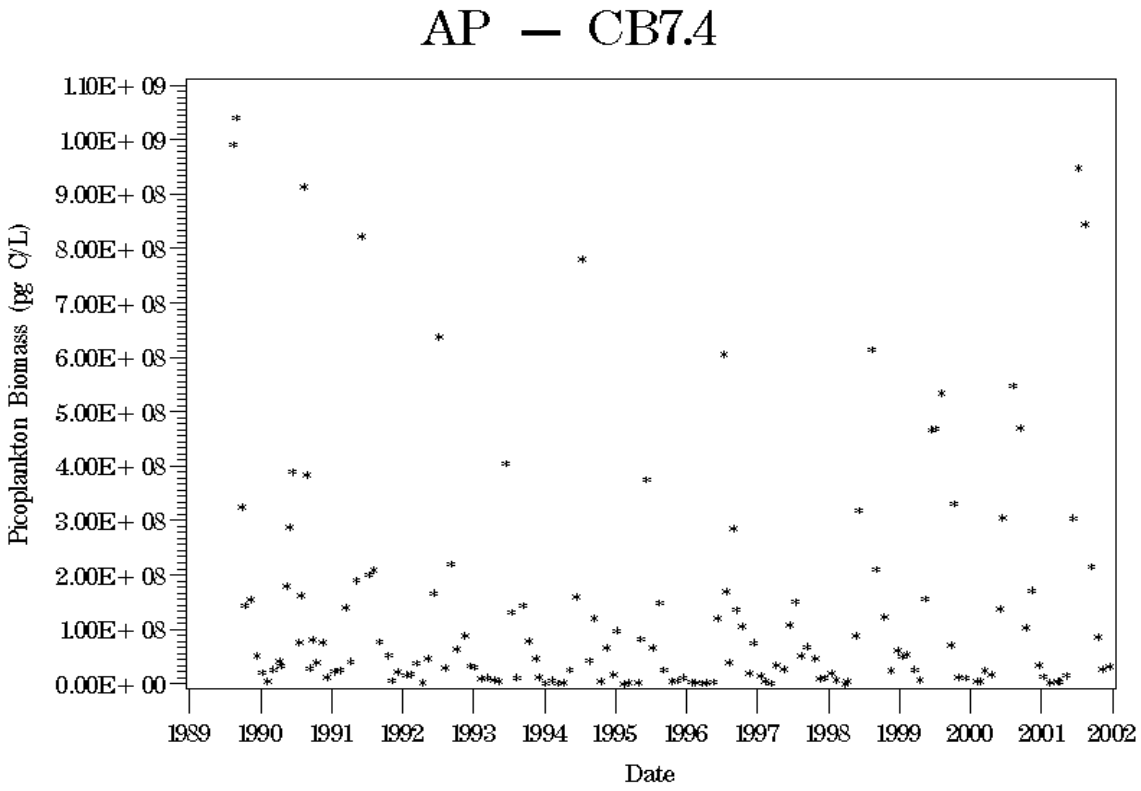

Figure F409. Plot of above pycnocline picoplankton biomass against time at station CB7.4 for the period of 1989 through 2001.

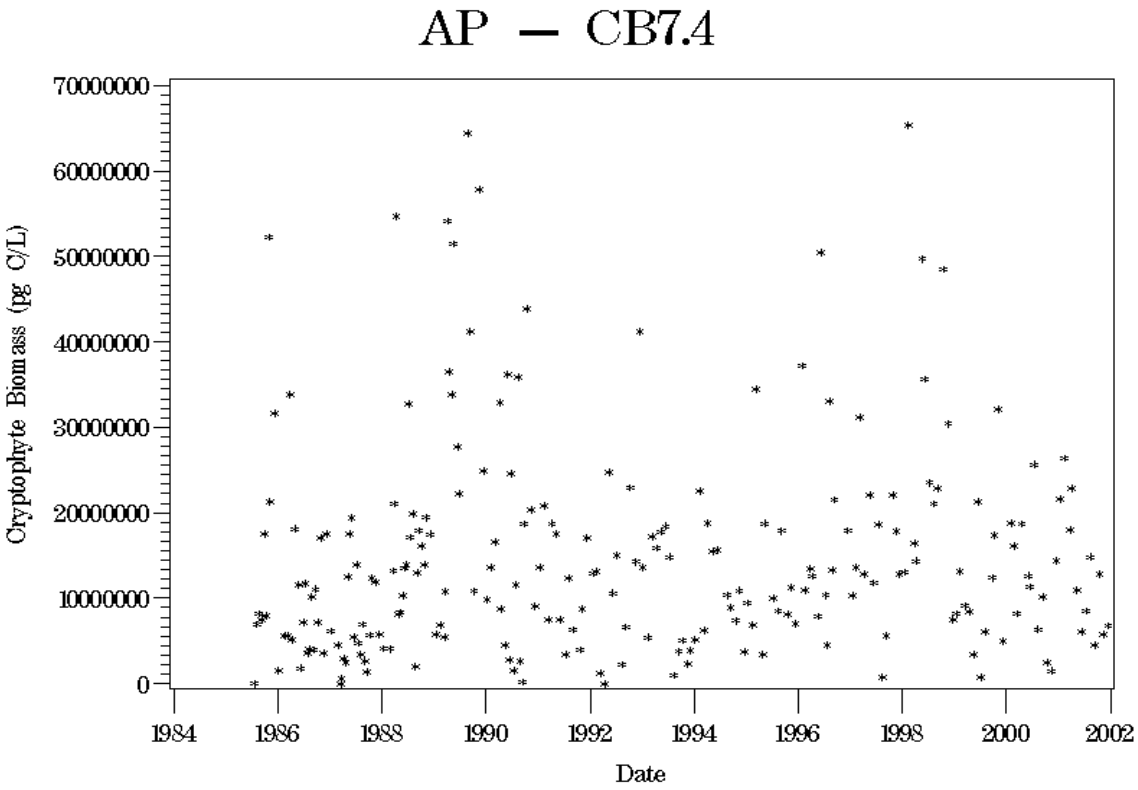

Figure F410. Plot of above pycnocline cryptophyte biomass at station CB7.4 for the period of 1985 through 2001.

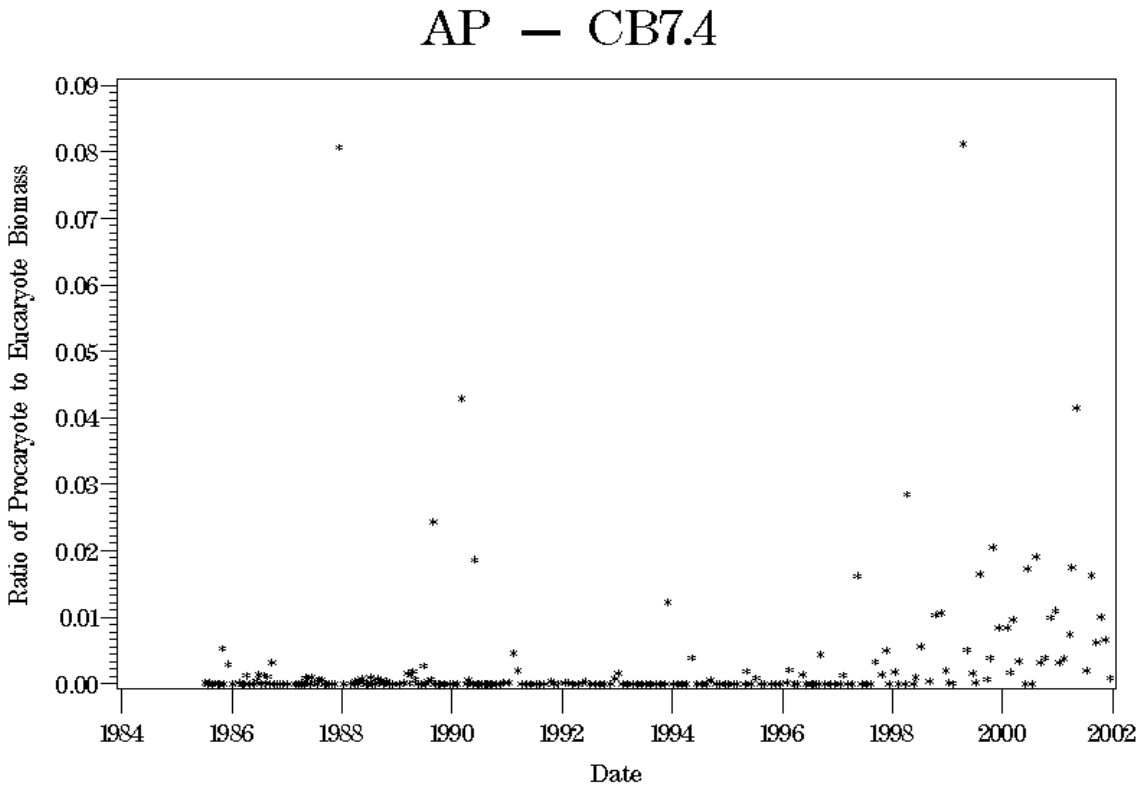

Figure F411. Plot of above pycnocline cyanophyte abundance at station CB7.4 for the period of 1985 through 2001.

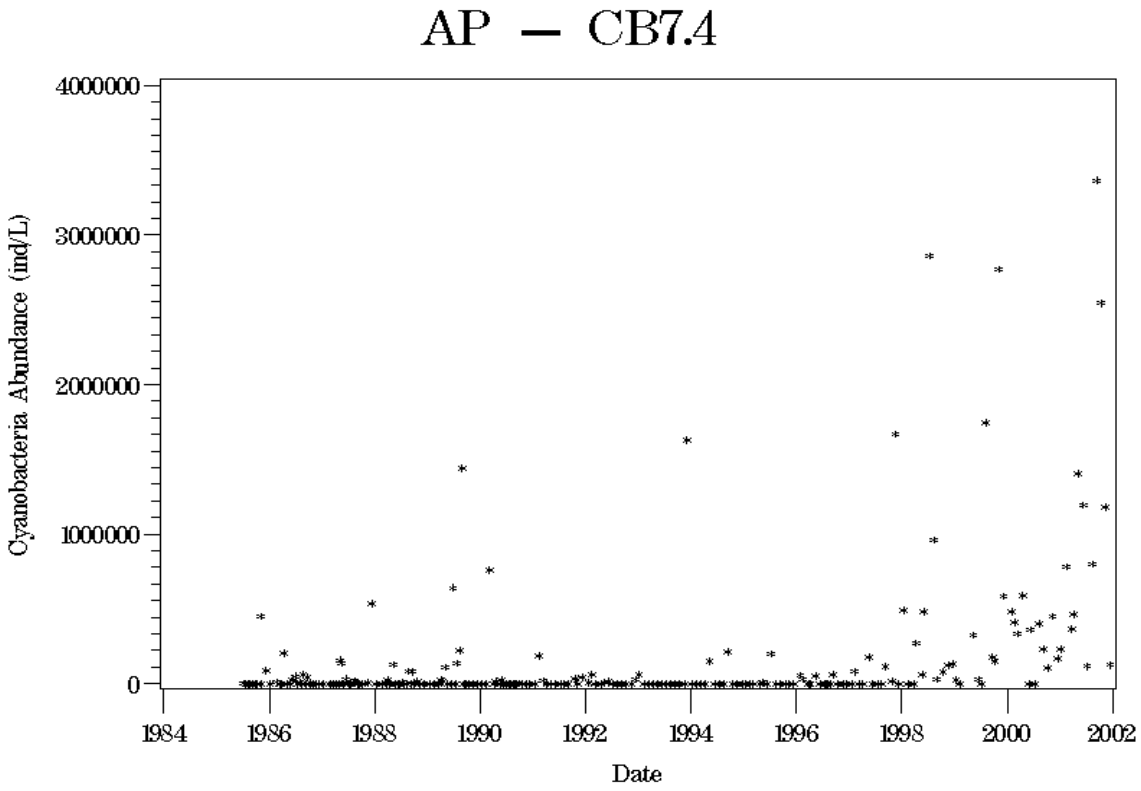

Figure F412. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station CB7.4 for the period of 1985 through 2001.

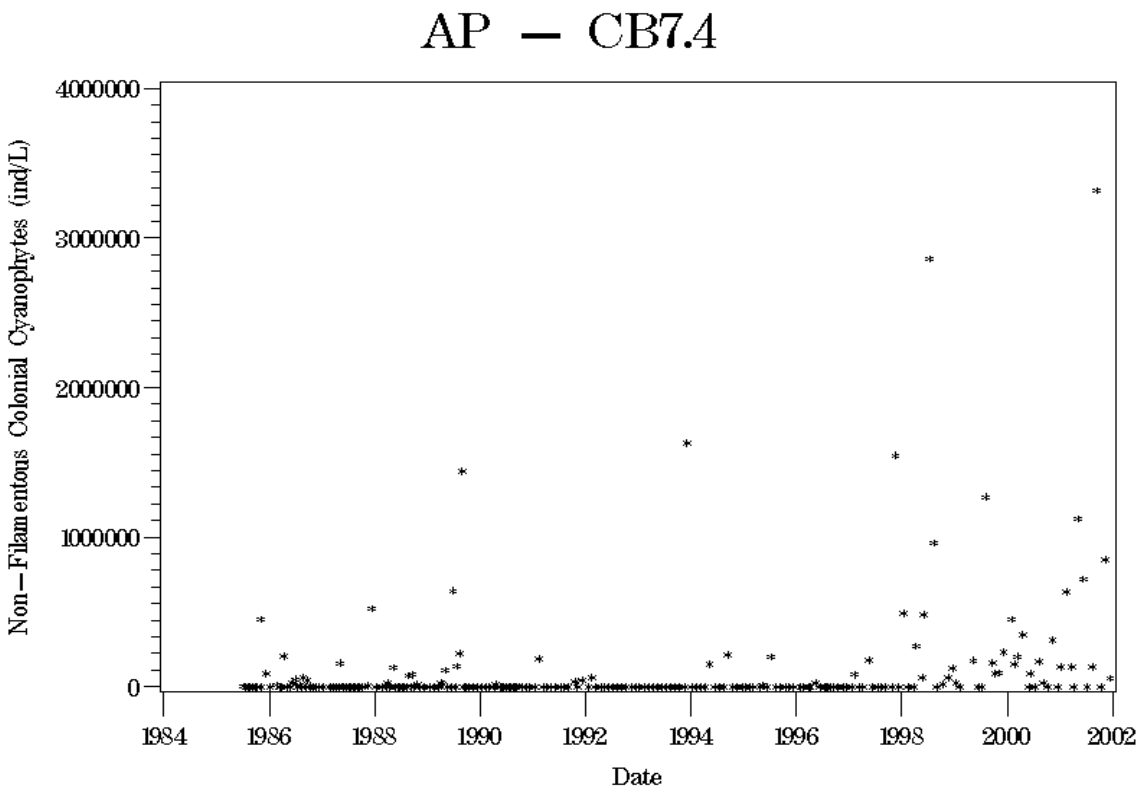

Figure F413. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station CB7.4 for the period of 1985 through 2001.

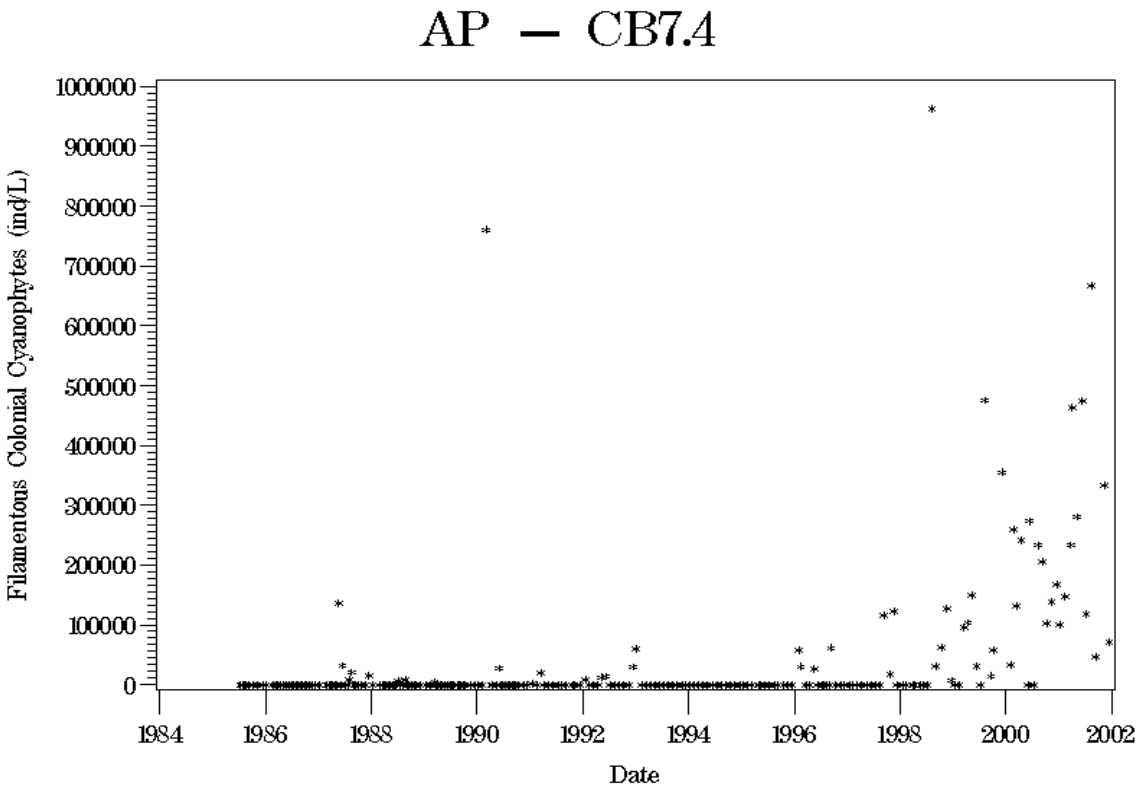

Figure F414. Plot of above pycnocline filamentous colonial cyanophyte abundance at station CB7.4 for the period of 1985 through 2001.

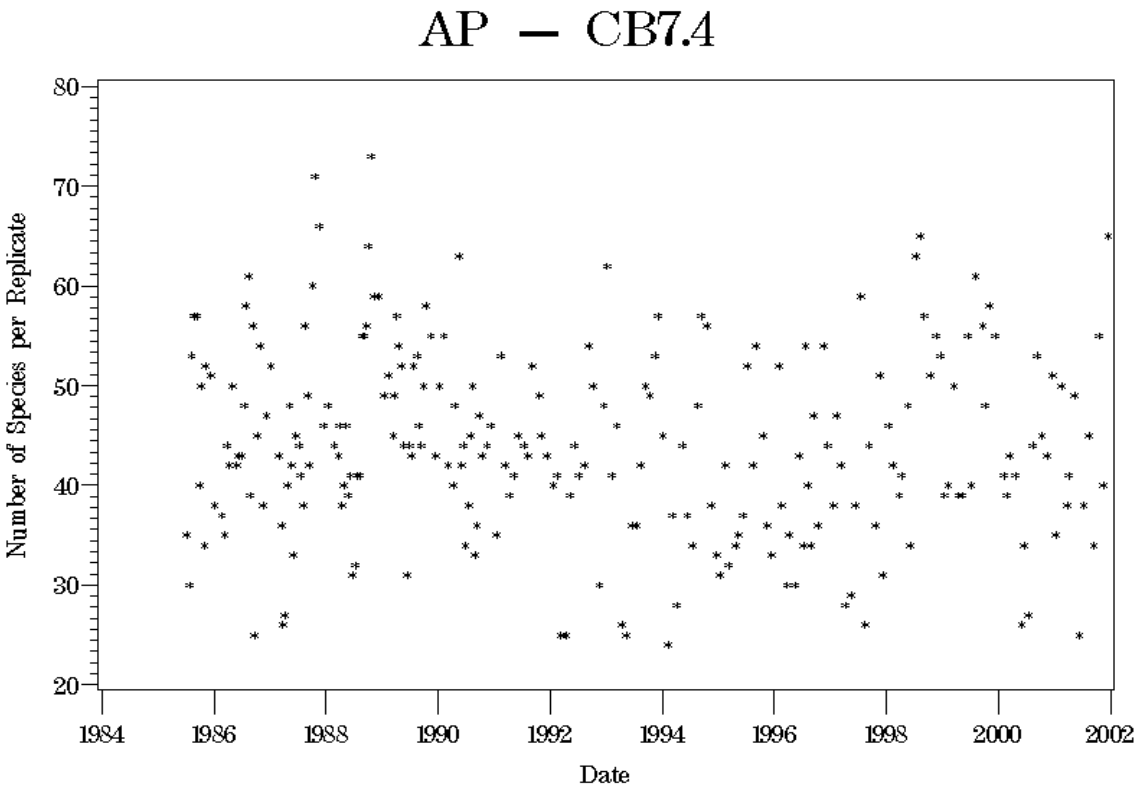

Figure F415. Plot of above pycnocline number of species per replicate at station CB7.4 for the period of 1985 through 2001.

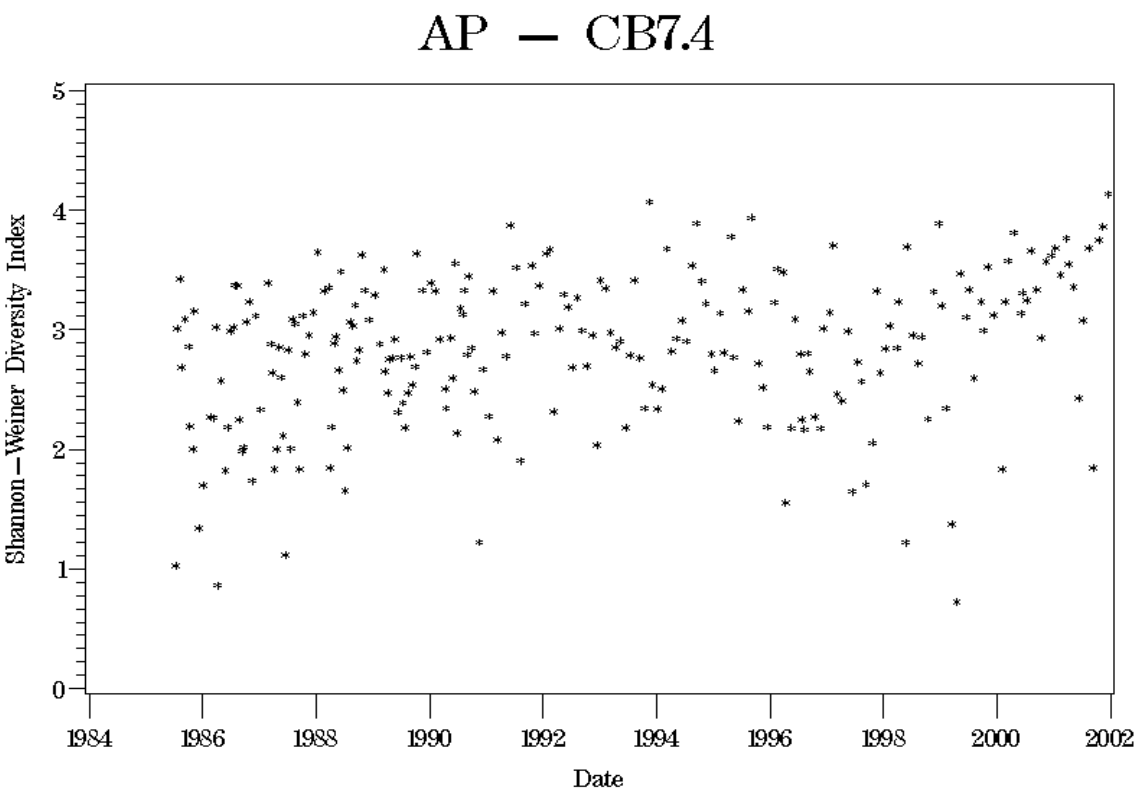

Figure F416. Plot of above pycnocline Shannon-Weiner diversity index at station CB7.4 for the period of 1985 through 2001.

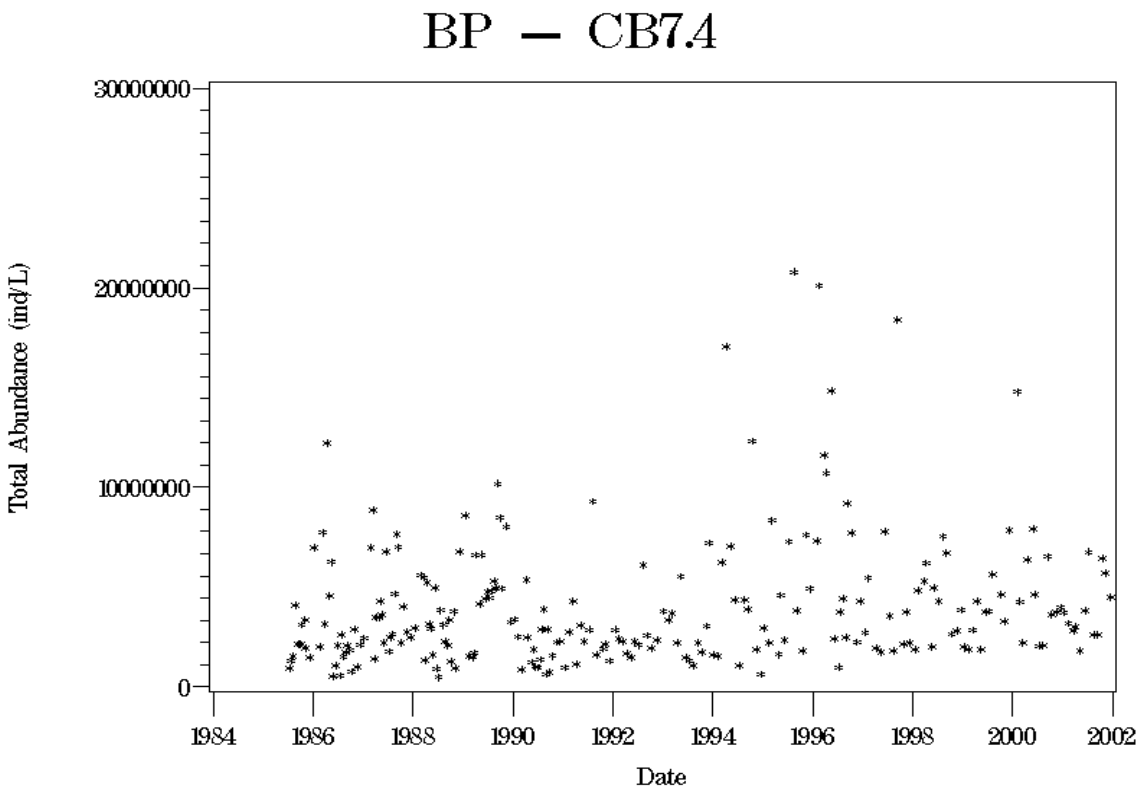

Figure F417. Plot of below pycnocline total phytoplankton abundance against time at station CB7.4 for the period of 1985 through 2001.

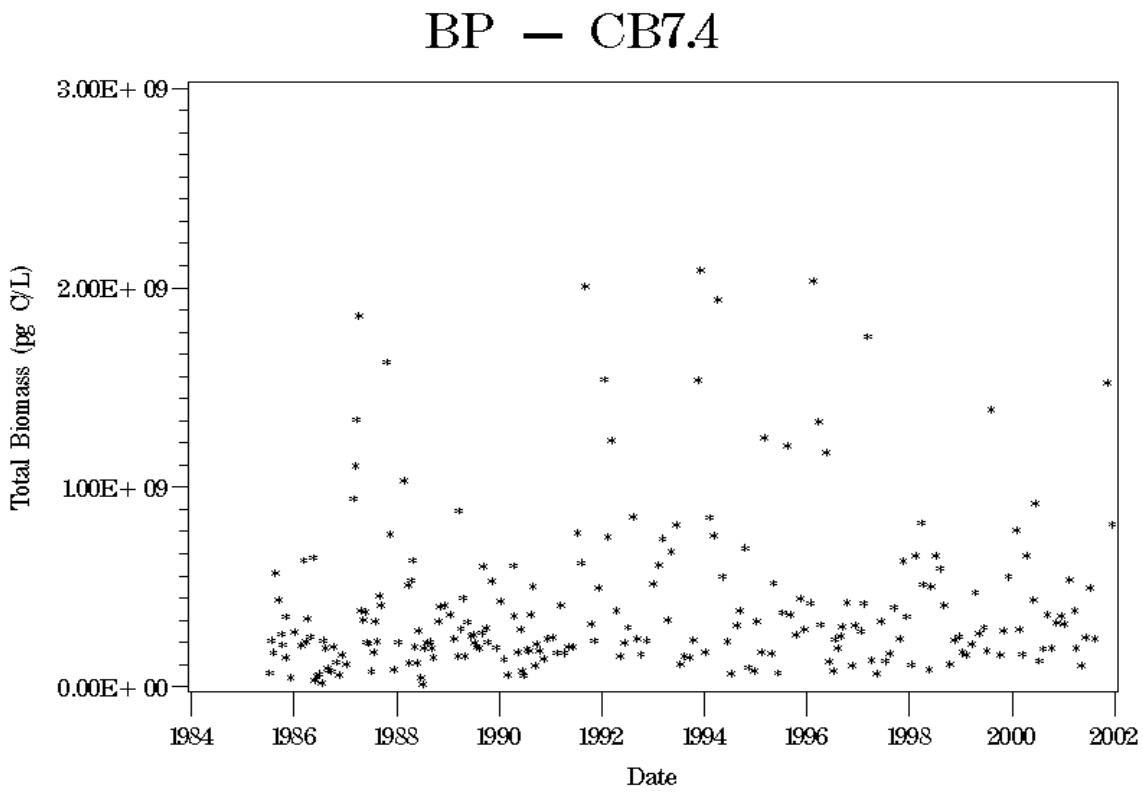

Figure F418. Plot of below pycnocline total phytoplankton biomass against time at station CB7.4 for the period of 1985 through 2001.

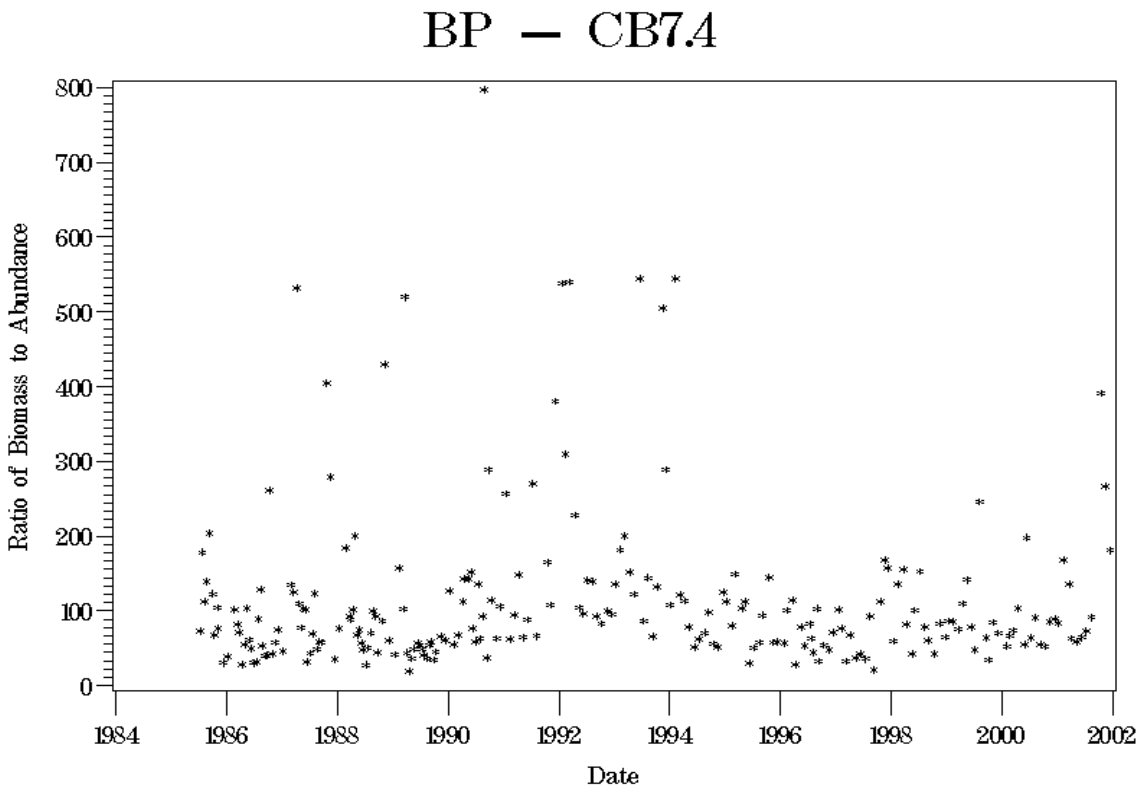

Figure F419. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB7.4 for the period of 1985 through 2001.

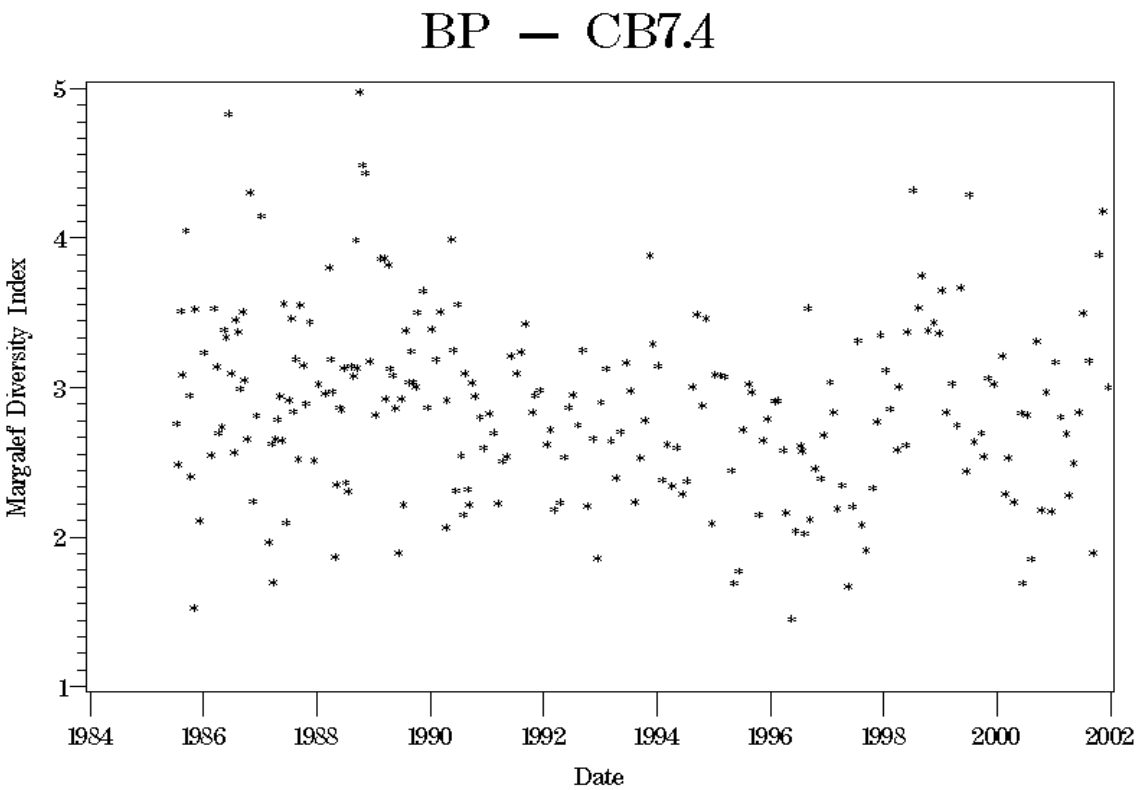

Figure F420. Plot of below pycnocline Margalef diversity index against time at station CB7.4 for the period of 1985 through 2001.

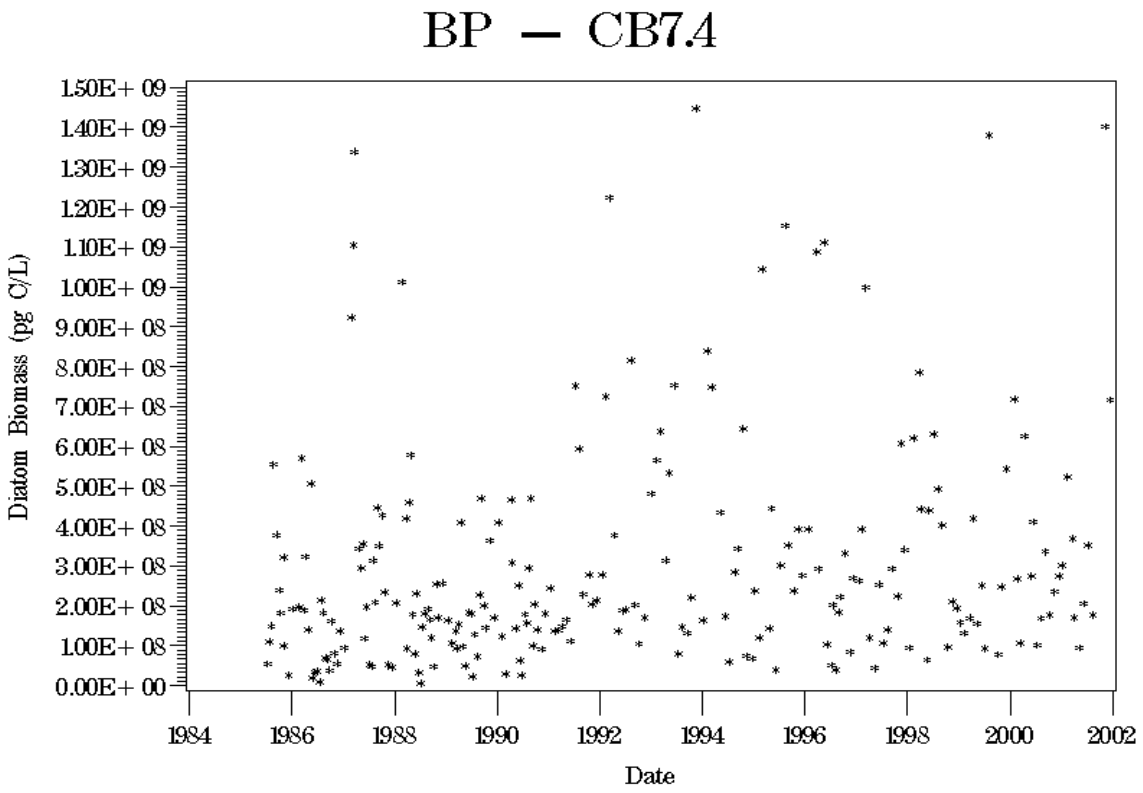

Figure F421. Plot of below pycnocline diatom biomass against time at station CB7.4 for the period of 1985 through 2001.

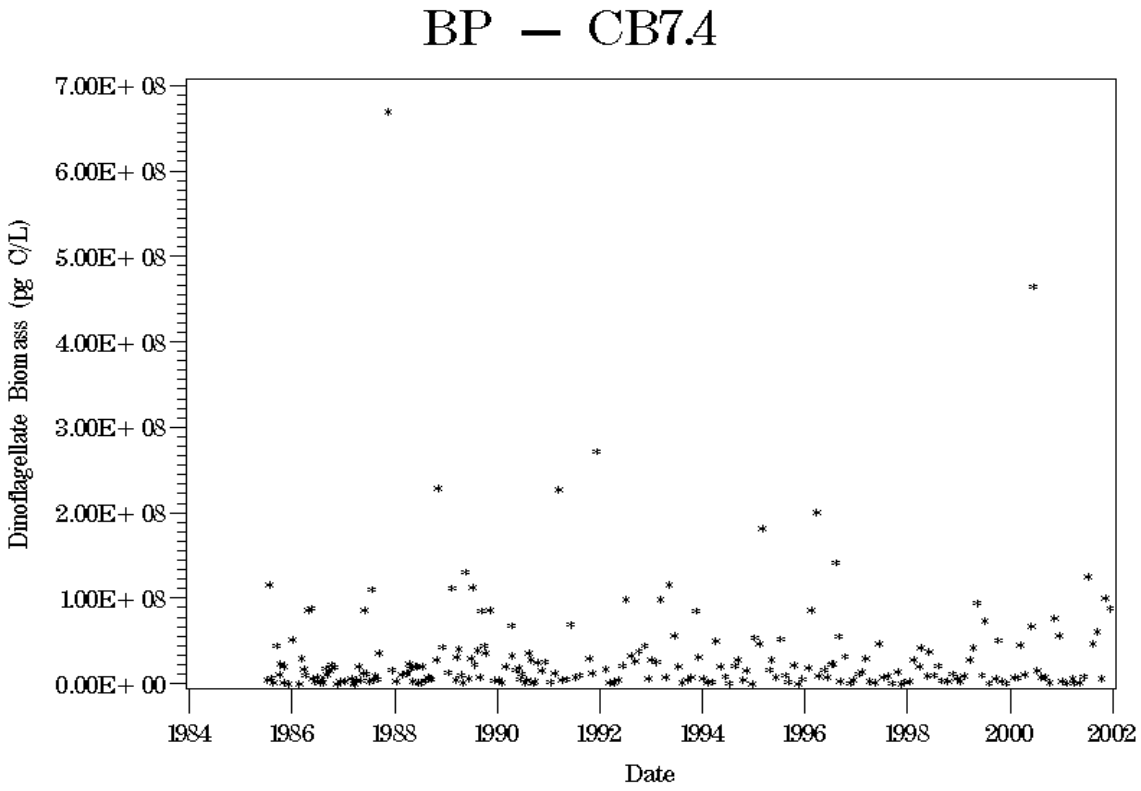

Figure F422. Plot of below pycnocline dinoflagellate biomass against time at station CB7.4 for the period of 1985 through 2001.

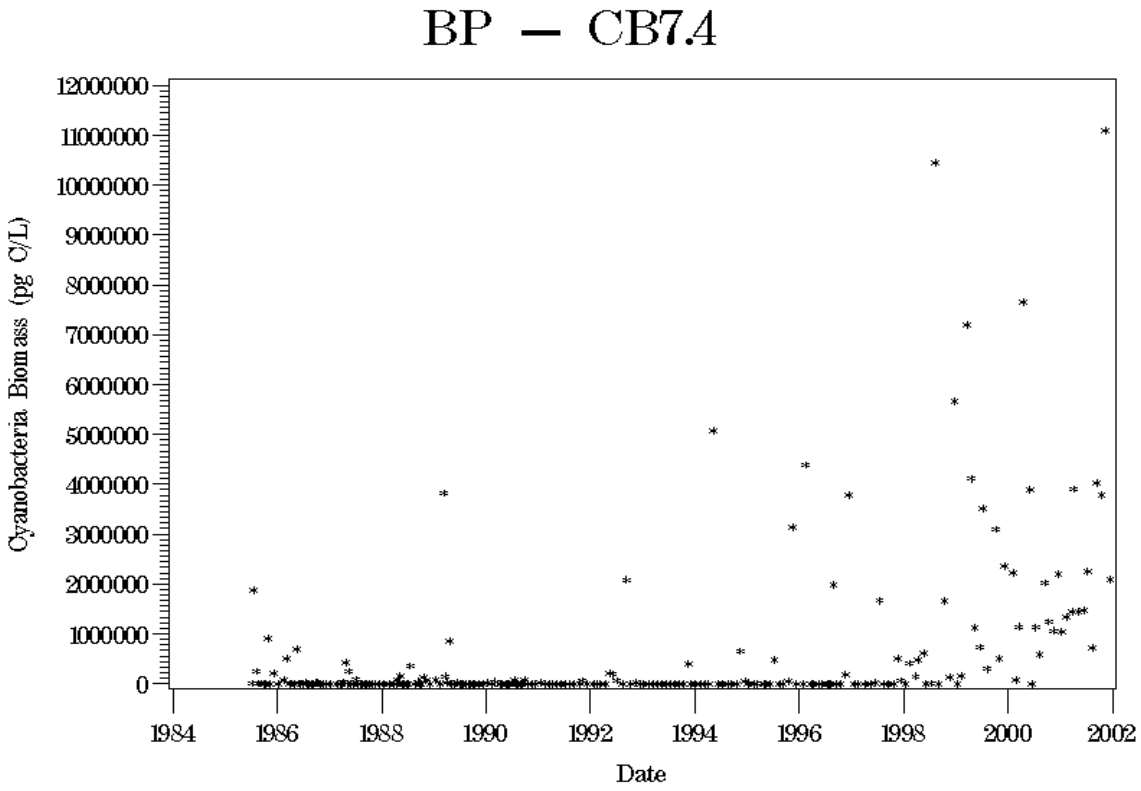

Figure F423. Plot of below pycnocline cyanobacteria biomass against time at station CB7.4 for the period of 1985 through 2001.

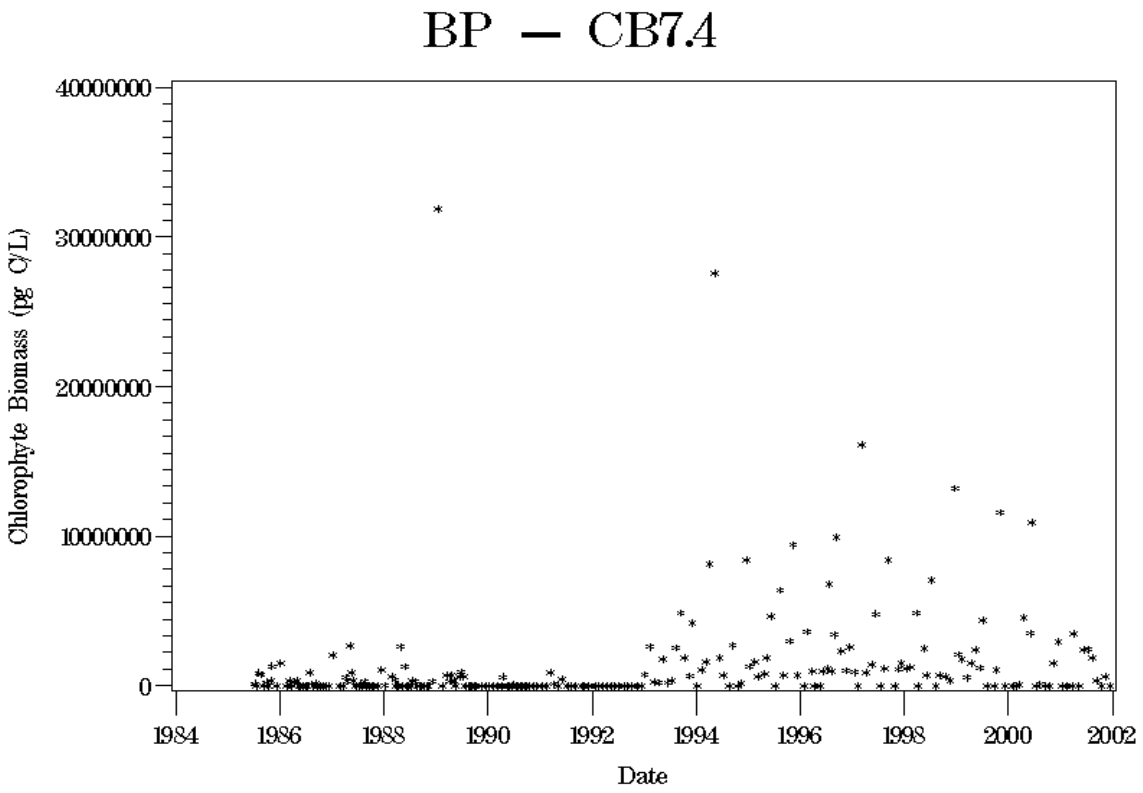

Figure F424. Plot of below pycnocline chlorophyte biomass against time at station CB7.4 for the period of 1985 through 2001.

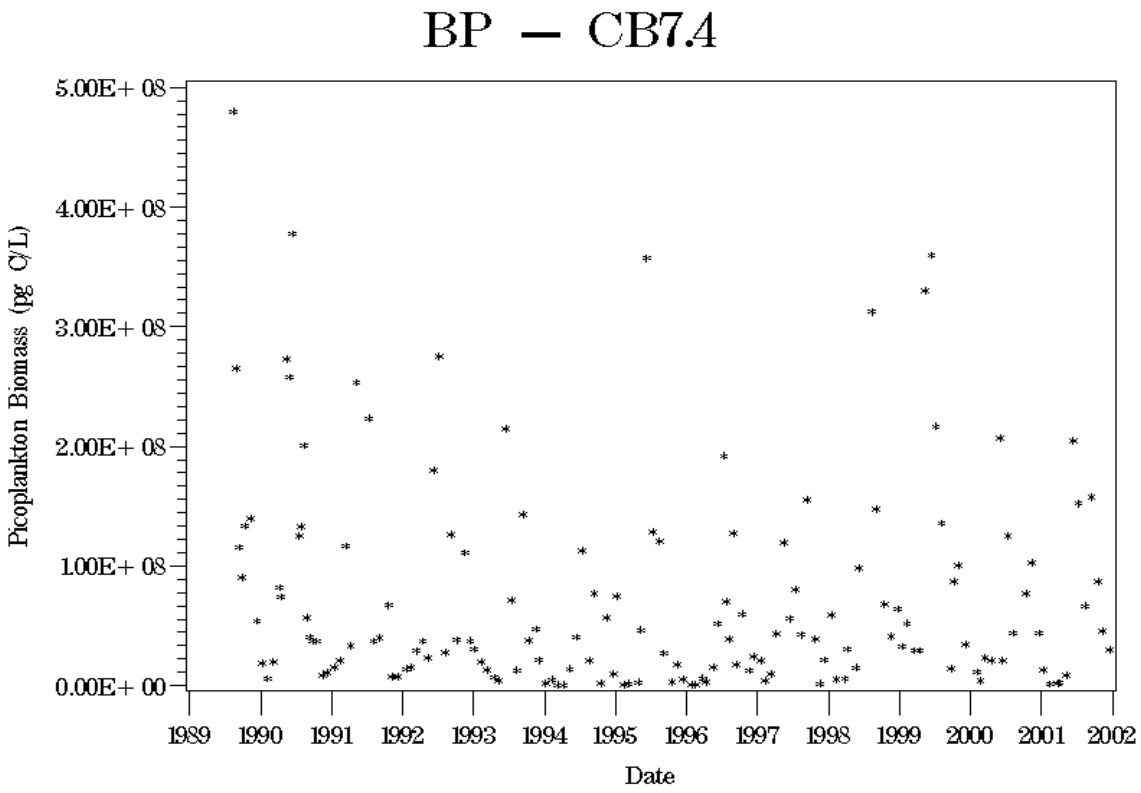

Figure F425. Plot of below pycnocline picoplankton biomass against time at station CB7.4 for the period of 1989 through 2001.

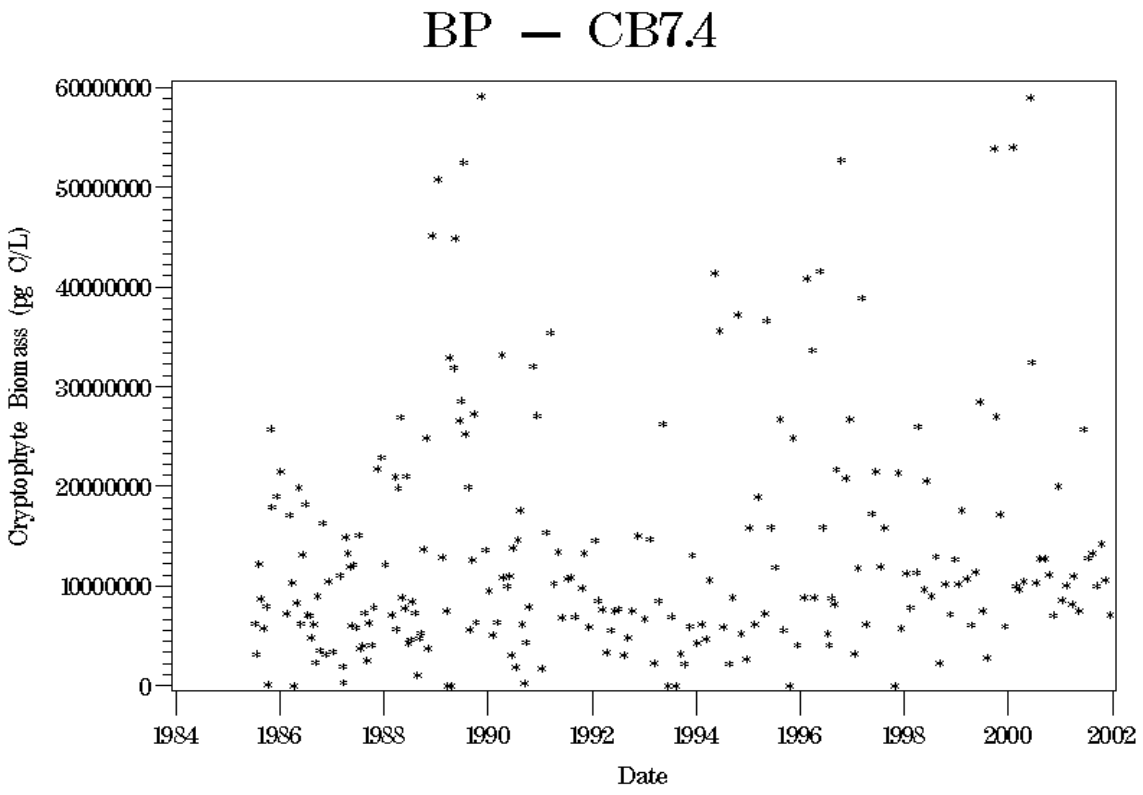

Figure F426. Plot of below pycnocline cryptophyte biomass at station CB7.4 for the period of 1985 through 2001.

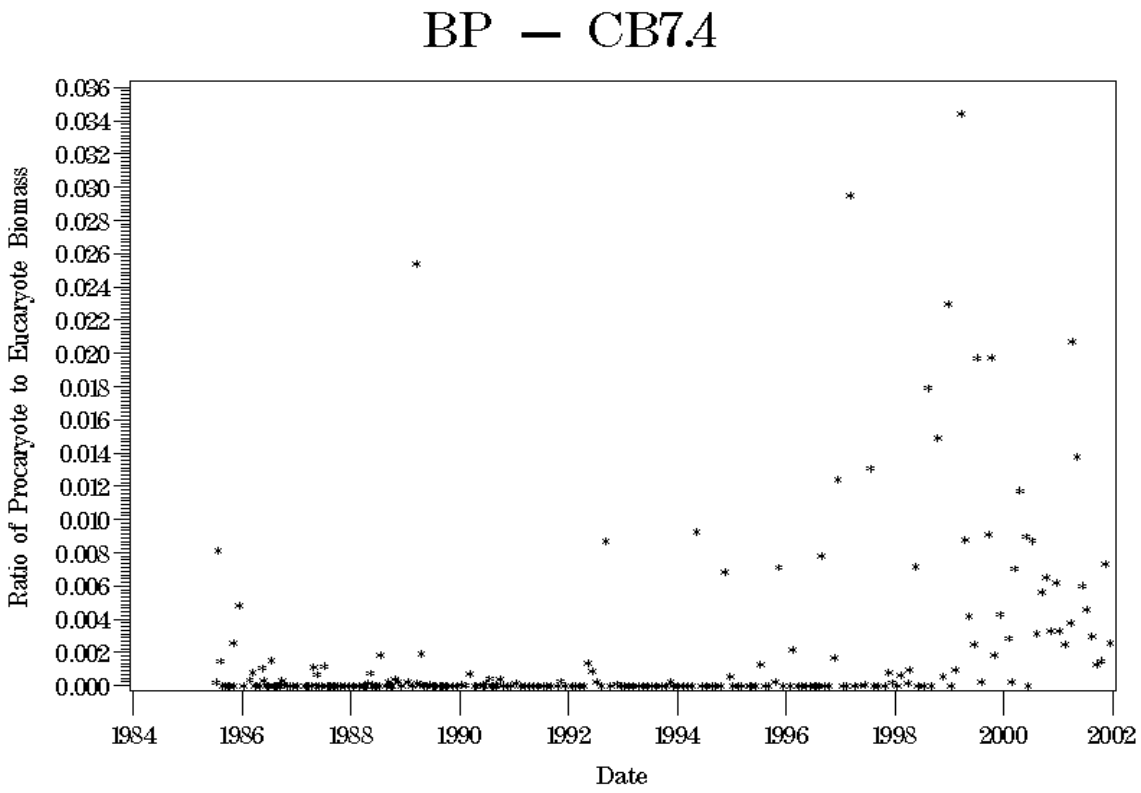

Figure F427. Plot of below pycnocline cyanophyte abundance at station CB7.4 for the period of 1985 through 2001.

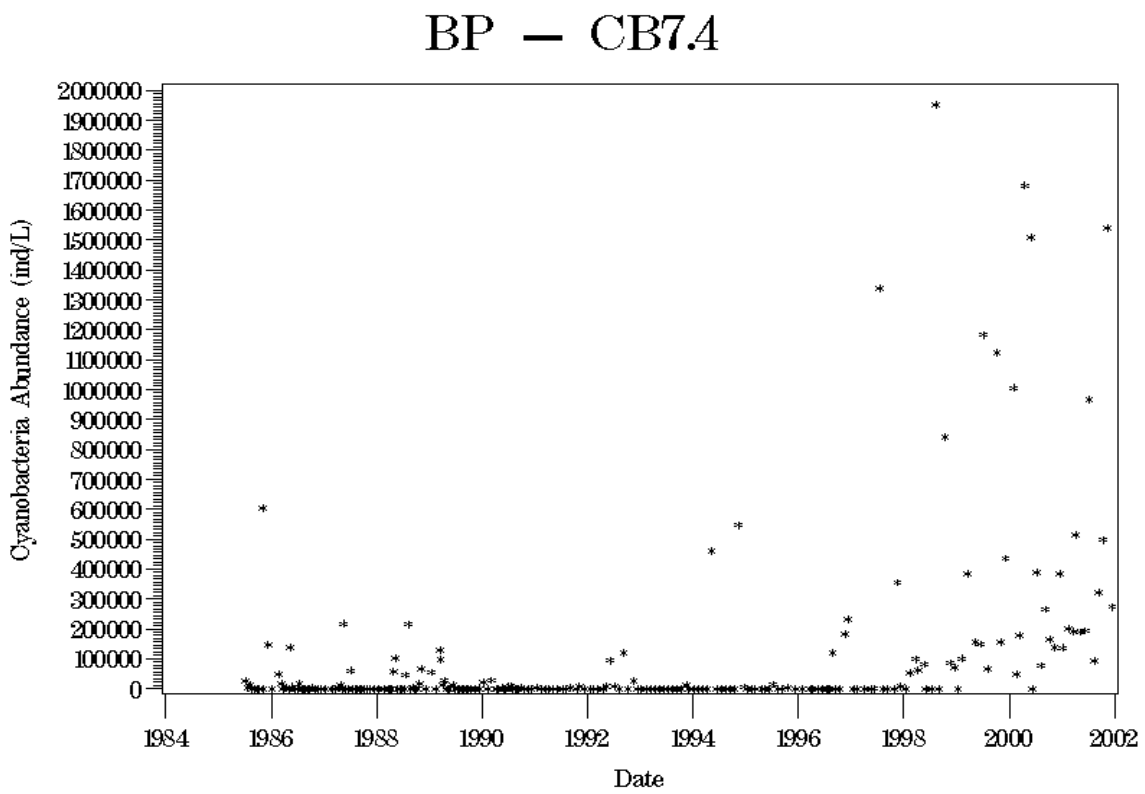

Figure F428. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station CB7.4 for the period of 1985 through 2001.

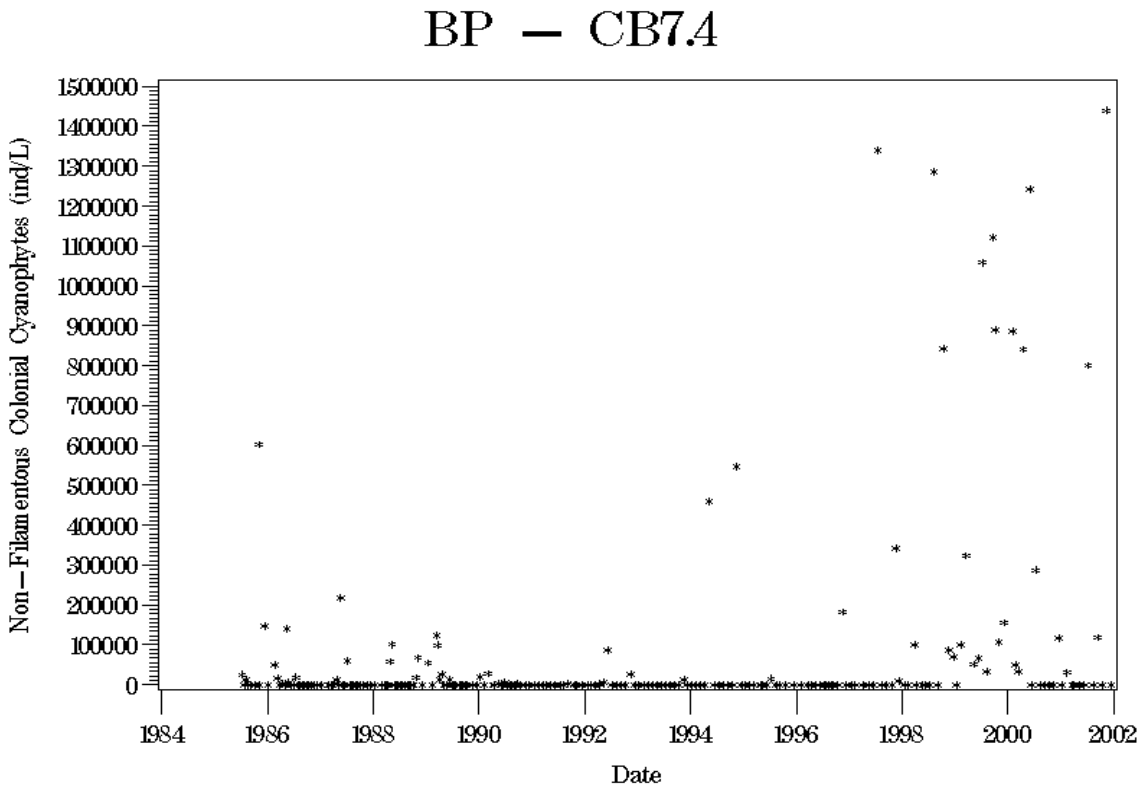

Figure F429. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station CB7.4 for the period of 1985 through 2001.

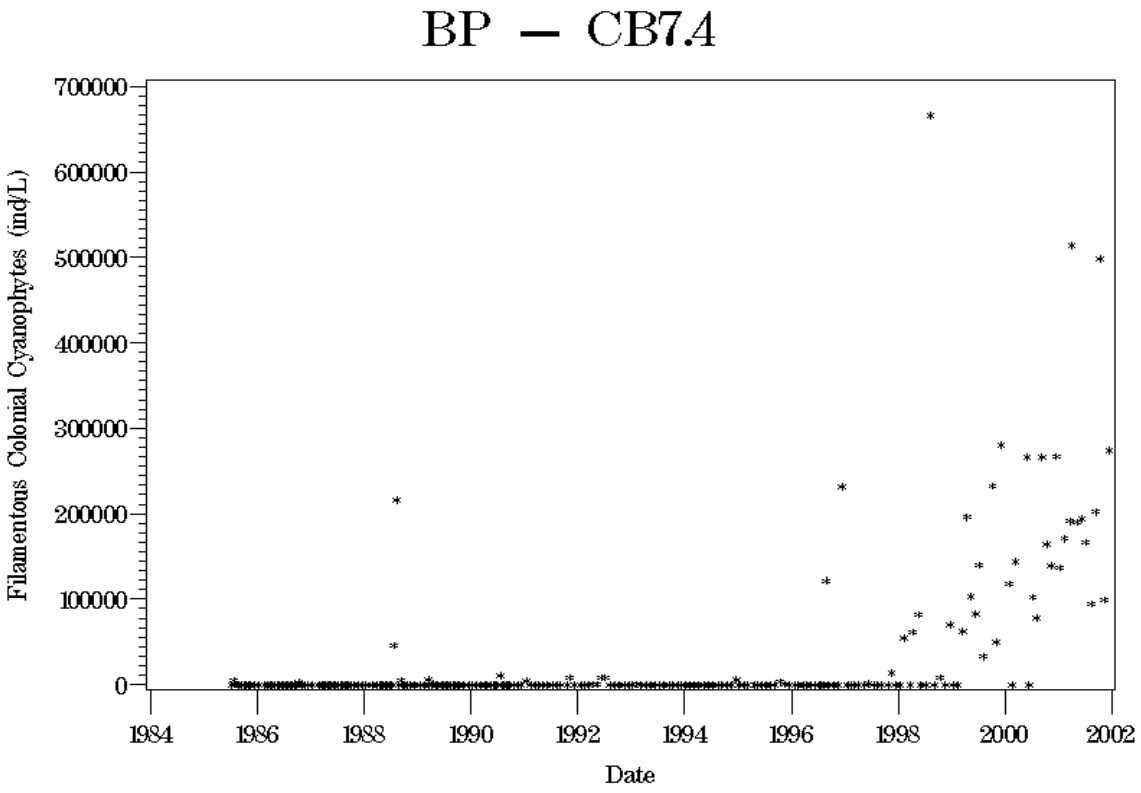

Figure F430. Plot of below pycnocline filamentous colonial cyanophyte abundance at station CB7.4 for the period of 1985 through 2001.

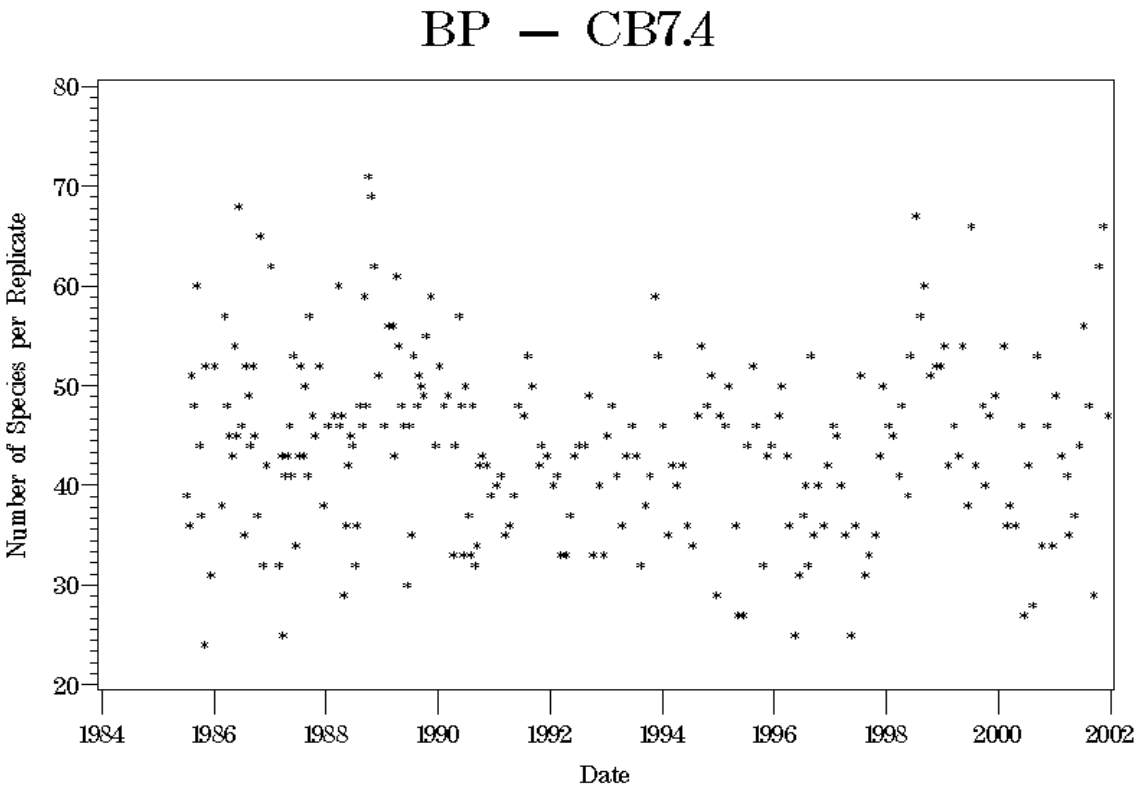

Figure F431. Plot of below pycnocline number of species per replicate at station CB7.4 for the period of 1985 through 2001.

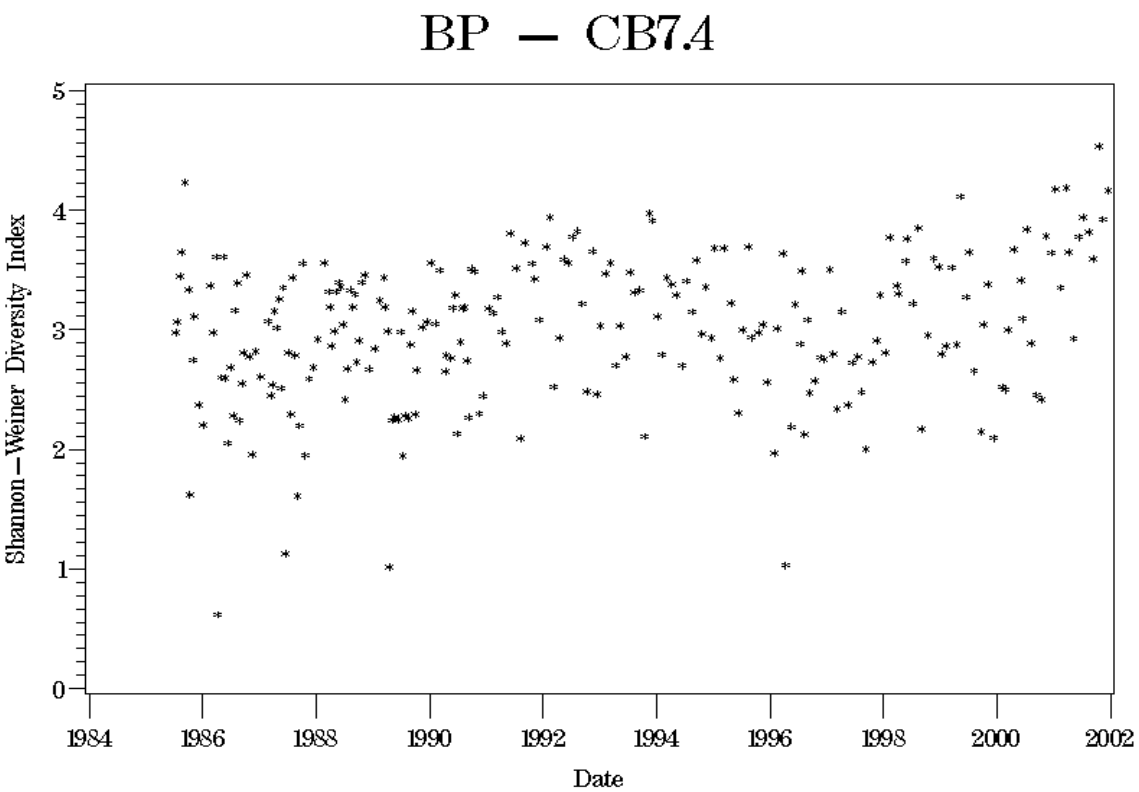

Figure F432. Plot of below pycnocline Shannon-Weiner diversity index at station CB7.4 for the period of 1985 through 2001.