Appendix D. Status of phytoplankton bioindicators at the Virginia tributary and mainstem stations for the period of 2000 through 2002. 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	Value	Score	Status
TF5.5	CHLORO_C	AP	Annual	787380000	82.5	Good
TF5.5	CHLORO_C	AP	Fall	935150000	85.3	Good
TF5.5	CHLORO_C	AP	SAV1	672900000	81.5	Good
TF5.5	CHLORO_C	AP	SAV2	1299700000	82.4	Good
TF5.5	CHLORO_C	AP	Spring1	217150000	74.2	Good
TF5.5	CHLORO_C	AP	Spring2	901870000	80.4	Good
TF5.5	CHLORO_C	AP	Winter	105570000	81.8	Good
TF5.5	CHLORO_C	BP	Annual	812020000	82.2	Good
TF5.5	CHLORO_C	BP	Fall	1140300000	86	Good
TF5.5	CHLORO_C	BP	SAV1	802840000	81.7	Good
TF5.5	CHLORO_C	BP	SAV2	1014100000	81.4	Good
TF5.5	CHLORO_C	BP	Spring1	438020000	78.2	Good
TF5.5	CHLORO_C	BP	Spring2	957770000	82	Good
TF5.5	CHLORO_C	BP	Winter	191980000	84.2	Good
TF5.5	CYANO	AP	Annual	23531008	81.1	Poor
TF5.5	CYANO	AP	Fall	82562253	90.8	Poor
TF5.5	CYANO	AP	SAV1	23691264	83.7	Poor
TF5.5	CYANO	AP	SAV2	82562253	87.5	Poor
TF5.5	CYANO	AP	Spring1	5282611	77.1	Poor
TF5.5	CYANO	AP	Spring2	23691264	83.7	Poor
TF5.5	CYANO	AP	Summer1	169600000	90.2	Poor
TF5.5	CYANO	AP	Summer2	168470000	89.3	Poor
TF5.5	CYANO	AP	Winter	3171342	81.4	Poor
TF5.5	CYANO	BP	Annual	30183629	81.5	Poor
TF5.5	CYANO	BP	Fall	49054720	87.3	Poor
TF5.5	CYANO	BP	SAV1	18560614	80.9	Poor
TF5.5	CYANO	BP	SAV2	56767488	82.7	Poor
TF5.5	CYANO	BP	Spring1	11116544	81.8	Poor
TF5.5	CYANO	BP	Spring2	16174080	79.3	Poor
TF5.5	CYANO	BP	Summer1	83952128	79.3	Poor
TF5.5	CYANO	BP	Summer2	111140000	85.4	Poor
TF5.5	CYANO	BP	Winter	1994035	74.9	Poor
TF5.5	CYANO_C	AP	Annual	113060000	70.7	Poor
TF5.5	CYANO_C	AP	Fall	248220000	80.5	Poor
TF5.5	CYANO_C	AP	SAV1	107310000	71.5	Poor
TF5.5	CYANO_C	AP	SAV2	351920000	70.1	Poor
TF5.5	CYANO_C	AP	Spring1	25010004	66.5	Poor
TF5.5	CYANO_C	AP	Spring2	107310000	66	Poor
TF5.5	CYANO_C	AP	Summer1	899230000	73.4	Poor
TF5.5	CYANO_C	AP	Summer2	827450000	72	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
TF5.5	CYANO_C	AP	Winter	16929725	73.7	Poor
TF5.5	CYANO_C	BP	Annual	120110000	71.9	Poor
TF5.5	CYANO_C	BP	Fall	253400000	83.2	Poor
TF5.5	CYANO_C	BP	SAV1	120570000	74.1	Poor
TF5.5	CYANO_C	BP	SAV2	253400000	69.4	Poor
TF5.5	CYANO_C	BP	Spring1	65186771	71.9	Poor
TF5.5	CYANO_C	BP	Spring2	120570000	68.1	Poor
TF5.5	CYANO_C	BP	Summer1	296930000	60.8	Poor
TF5.5	CYANO_C	BP	Summer2	388050000	64.1	Poor
TF5.5	CYANO_C	BP	Winter	8138443	65.8	Poor
TF5.5	DIATOM_C	AP	Annual	1856600000	69.1	Good
TF5.5	DIATOM_C	AP	Fall	3294700000	78.2	Good
TF5.5	DIATOM_C	AP	SAV1	1542000000	65.5	Good
TF5.5	DIATOM_C	AP	SAV2	2972100000	76.3	Good
TF5.5	DIATOM_C	AP	Spring1	1422300000	61	Good
TF5.5	DIATOM_C	AP	Spring2	1872400000	62	Good
TF5.5	DIATOM_C	AP	Summer1	3565700000	79.1	Good
TF5.5	DIATOM_C	AP	Summer2	2972100000	78.5	Good
TF5.5	DIATOM_C	AP	Winter	923910000	69	Good
TF5.5	DIATOM_C	BP	Annual	2061800000	72.2	Good
TF5.5	DIATOM_C	BP	Fall	3005700000	81	Good
TF5.5	DIATOM_C	BP	SAV1	2149200000	70	Good
TF5.5	DIATOM_C	BP	SAV2	2149200000	69.8	Good
TF5.5	DIATOM_C	BP	Spring1	1619700000	63.6	Good
TF5.5	DIATOM_C	BP	Spring2	1869700000	61.8	Good
TF5.5	DIATOM_C	BP	Summer1	2638200000	72.6	Good
TF5.5	DIATOM_C	BP	Summer2	3045600000	77.4	Good
TF5.5	DIATOM_C	BP	Winter	1393800000	75.4	Good
TF5.5	DINOFL_C	AP	Annual	786445	82.2	Poor
TF5.5	DINOFL_C	AP	Fall	0	25.9	Good
TF5.5	DINOFL_C	AP	SAV1	269722	83.8	Poor
TF5.5	DINOFL_C	AP	SAV2	2477957	81.4	Poor
TF5.5	DINOFL_C	AP	Spring1	250317	84.6	Poor
TF5.5	DINOFL_C	AP	Spring2	2120387	84.3	Poor
TF5.5	DINOFL_C	AP	Summer1	7271977	76.5	Poor
TF5.5	DINOFL_C	AP	Summer2	4971274	73.6	Poor
TF5.5	DINOFL_C	AP	Winter	529341	73.9	Poor
TF5.5	DINOFL_C	BP	Annual	444462	83.4	Poor
TF5.5	DINOFL_C	BP	Fall	89907	87.4	Poor
TF5.5	DINOFL_C	BP	SAV1	181898	81.8	Poor
TF5.5	DINOFL_C	BP	SAV2	872776	82.7	Poor
TF5.5	DINOFL_C	BP	Spring1	436388	87.9	Poor
TF5.5	DINOFL_C	BP	Spring2	872776	86.8	Poor
TF5.5	DINOFL_C	BP	Summer1	6991473	83.4	Poor
TF5.5	DINOFL_C	BP	Summer2	4400026	79.5	Poor
TF5.5	DINOFL_C	BP	Winter	226268	46.1	Fair
TF5.5	MARGALEF	AP	Annual	2.65	85.7	Good

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
TF5.5	MARGALEF	AP	Fall	2.53	90.5	Good
TF5.5	MARGALEF	AP	SAV1	2.53	87.7	Good
TF5.5	MARGALEF	AP	SAV2	2.77	86.1	Good
TF5.5	MARGALEF	AP	Spring1	2.25	77.5	Good
TF5.5	MARGALEF	AP	Spring2	2.72	90.9	Good
TF5.5	MARGALEF	AP	Summer1	2.90	82.8	Good
TF5.5	MARGALEF	AP	Summer2	2.88	79.5	Good
TF5.5	MARGALEF	AP	Winter	1.87	36.7	Poor
TF5.5	MARGALEF	BP	Annual	2.37	70.9	Good
TF5.5	MARGALEF	BP	Fall	2.35	80.7	Good
TF5.5	MARGALEF	BP	SAV1	2.43	80.4	Good
TF5.5	MARGALEF	BP	SAV2	2.43	63.8	Good
TF5.5	MARGALEF	BP	Spring1	2.38	86.2	Good
TF5.5	MARGALEF	BP	Spring2	2.52	79.8	Good
TF5.5	MARGALEF	BP	Summer1	2.58	59.2	Fair
TF5.5	MARGALEF	BP	Summer2	2.43	48.4	Fair
TF5.5	MARGALEF	BP	Winter	2.06	69.9	Good
TF5.5	PICO_C	AP	Annual	84648000	74.2	Poor
TF5.5	PICO_C	AP	Fall	48164445	69.5	Poor
TF5.5	PICO_C	AP	SAV1	59280000	72.6	Poor
TF5.5	PICO_C	AP	SAV2	140640000	68	Poor
TF5.5	PICO_C	AP	Spring1	16285500	58.9	Poor
TF5.5	PICO_C	AP	Spring2	169200000	81.1	Poor
TF5.5	PICO_C	AP	Summer1	196360000	46.2	Fair
TF5.5	PICO_C	AP	Summer2	140500000	40.7	Good
TF5.5	PICO_C	AP	Winter	3612000	52.4	Fair
TF5.5	PICO_C	BP	Annual	88392000	78.4	Poor
TF5.5	PICO_C	BP	Fall	79523850	84.5	Poor
TF5.5	PICO_C	BP	SAV1	52080000	72.9	Poor
TF5.5	PICO_C	BP	SAV2	178460000	76.7	Poor
TF5.5	PICO_C	BP	Spring1	36051000	81.7	Poor
TF5.5	PICO_C	BP	Spring2	197760000	85.6	Poor
TF5.5	PICO_C	BP	Summer1	240470000	66.7	Poor
TF5.5	PICO_C	BP	Summer2	158640000	49.9	Fair
TF5.5	PICO_C	BP	Winter	3546750	52.7	Fair
TF5.5	PROCAR_C	AP	Annual	0.040	34.7	Good
TF5.5	PROCAR_C	AP	Fall	0.040	35	Good
TF5.5	PROCAR_C	AP	SAV1	0.040	35	Good
TF5.5	PROCAR_C	AP	SAV2	0.060	33.9	Good
TF5.5	PROCAR_C	AP	Spring1	0.010	34.3	Good
TF5.5	PROCAR_C	AP	Spring2	0.030	35.5	Good
TF5.5	PROCAR_C	AP	Summer1	0.090	32.5	Good
TF5.5	PROCAR_C	AP	Summer2	0.090	31.2	Good
TF5.5	PROCAR_C	AP	Winter	0.020	35.9	Good
TF5.5	PROCAR_C	BP	Annual	0.040	34.7	Good
TF5.5	PROCAR_C	BP	Fall	0.060	40.1	Good
TF5.5	PROCAR_C	BP	SAV1	0.030	36.3	Good

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
TF5.5	PROCAR_C	BP	SAV2	0.080	35.7	Good
TF5.5	PROCAR_C	BP	Spring1	0.020	35.6	Good
TF5.5	PROCAR_C	BP	Spring2	0.030	35.8	Good
TF5.5	PROCAR_C	BP	Summer1	0.060	30.8	Good
TF5.5	PROCAR_C	BP	Summer2	0.080	30.7	Good
TF5.5	PROCAR_C	BP	Winter	0.010	34	Good
TF5.5	RATIO	AP	Annual	54.520	28.9	Poor
TF5.5	RATIO	AP	Fall	40.230	27.7	Poor
TF5.5	RATIO	AP	SAV1	55.020	27.1	Poor
TF5.5	RATIO	AP	SAV2	44.890	26.2	Poor
TF5.5	RATIO	AP	Spring1	70.220	27.1	Poor
TF5.5	RATIO	AP	Spring2	61.570	26.8	Poor
TF5.5	RATIO	AP	Summer1	39.850	26.9	Poor
TF5.5	RATIO	AP	Summer2	37.140	28.9	Poor
TF5.5	RATIO	AP	Winter	77.530	28.8	Poor
TF5.5	RATIO	BP	Annual	58.560	31.5	Poor
TF5.5	RATIO	BP	Fall	46.350	31.6	Poor
TF5.5	RATIO	BP	SAV1	62.870	31.1	Poor
TF5.5	RATIO	BP	SAV2	46.620	26.3	Poor
TF5.5	RATIO	BP	Spring1	68.900	24.6	Poor
TF5.5	RATIO	BP	Spring2	82.250	31.2	Poor
TF5.5	RATIO	BP	Summer1	39.680	25.5	Poor
TF5.5	RATIO	BP	Summer2	37.090	28.8	Poor
TF5.5	RATIO	BP	Winter	98.170	53.2	Fair
TF5.5	TOTBMASS	AP	Annual	3811600000	74.5	Good
TF5.5	TOTBMASS	AP	Fall	4128700000	88.3	Good
TF5.5	TOTBMASS	AP	SAV1	3659600000	72.1	Good
TF5.5	TOTBMASS	AP	SAV2	4624800000	71	Good
TF5.5	TOTBMASS	AP	Spring1	1902200000	55	Fair
TF5.5	TOTBMASS	AP	Spring2	4099200000	68.1	Good
TF5.5	TOTBMASS	AP	Summer1	5986200000	72.8	Good
TF5.5	TOTBMASS	AP	Summer2	4624800000	68.9	Good
TF5.5	TOTBMASS	AP	Winter	1106500000	58	Fair
TF5.5	TOTBMASS	BP	Annual	3905100000	73.1	Good
TF5.5	TOTBMASS	BP	Fall	4953600000	81.1	Good
TF5.5	TOTBMASS	BP	SAV1	3769600000	70.5	Good
TF5.5	TOTBMASS	BP	SAV2	5139000000	74.1	Good
TF5.5	TOTBMASS	BP	Spring1	2625400000	63.2	Good
TF5.5	TOTBMASS	BP	Spring2	3602000000	65	Good
TF5.5	TOTBMASS	BP	Summer1	6398700000	74.9	Good
TF5.5	TOTBMASS	BP	Summer2	6146000000	74.3	Good
TF5.5	TOTBMASS	BP	Winter	1755000000	73.2	Good
RET5.2	CHLORO_C	AP	Annual	76274348	73.5	Good
RET5.2	CHLORO_C	AP	Fall	4321376	52.6	Fair
RET5.2	CHLORO_C	AP	SAV1	65823938	69.8	Good
RET5.2	CHLORO_C	AP	SAV2	76274348	69.7	Good
RET5.2	CHLORO_C	AP	Spring1	100920000	73.5	Good

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
RET5.2	CHLORO_C	AP	Spring2	125570000	73.4	Good
RET5.2	CHLORO_C	AP	Winter	316910000	88.9	Good
RET5.2	CHLORO_C	BP	Annual	142340000	78.9	Good
RET5.2	CHLORO_C	BP	Fall	11898225	66	Good
RET5.2	CHLORO_C	BP	SAV1	143710000	77.9	Good
RET5.2	CHLORO_C	BP	SAV2	26970477	71.3	Good
RET5.2	CHLORO_C	BP	Spring1	223260000	81.7	Good
RET5.2	CHLORO_C	BP	Spring2	145090000	78.5	Good
RET5.2	CHLORO_C	BP	Winter	296220000	92	Good
RET5.2	CYANO	AP	Annual	4109312	66.7	Poor
RET5.2	CYANO	AP	Fall	3739648	70.7	Poor
RET5.2	CYANO	AP	SAV1	3455854	64.4	Poor
RET5.2	CYANO	AP	SAV2	4109312	59	Poor
RET5.2	CYANO	AP	Spring1	2394094	66.6	Poor
RET5.2	CYANO	AP	Spring2	3172059	61.7	Poor
RET5.2	CYANO	AP	Summer1	10211840	63.7	Poor
RET5.2	CYANO	AP	Summer2	12612198	60.6	Poor
RET5.2	CYANO	AP	Winter	3859354	80.2	Poor
RET5.2	CYANO	BP	Annual	4280115	70.1	Poor
RET5.2	CYANO	BP	Fall	5423616	74	Poor
RET5.2	CYANO	BP	SAV1	5351936	72.4	Poor
RET5.2	CYANO	BP	SAV2	4766208	65.3	Poor
RET5.2	CYANO	BP	Spring1	2786262	73	Poor
RET5.2	CYANO	BP	Spring2	2727936	67.5	Poor
RET5.2	CYANO	BP	Summer1	6496102	62.8	Poor
RET5.2	CYANO	BP	Summer2	8225997	59.9	Poor
RET5.2	CYANO	BP	Winter	2711189	88.2	Poor
RET5.2	CYANO_C	AP	Annual	19031974	60.6	Poor
RET5.2	CYANO_C	AP	Fall	19031974	73.6	Poor
RET5.2	CYANO_C	AP	SAV1	19995212	61.8	Poor
RET5.2	CYANO_C	AP	SAV2	34487049	54.9	Fair
RET5.2	CYANO_C	AP	Spring1	12332605	60.3	Poor
RET5.2	CYANO_C	AP	Spring2	13509544	52.3	Fair
RET5.2	CYANO_C	AP	Summer1	52712630	50.8	Fair
RET5.2	CYANO_C	AP	Summer2	61842231	51.1	Fair
RET5.2	CYANO_C	AP	Winter	9218948	68.6	Poor
RET5.2	CYANO_C	BP	Annual	19001495	65	Poor
RET5.2	CYANO_C	BP	Fall	23860998	74.8	Poor
RET5.2	CYANO_C	BP	SAV1	19809331	66.2	Poor
RET5.2	CYANO_C	BP	SAV2	20952064	59.5	Poor
RET5.2	CYANO_C	BP	Spring1	12176598	67.5	Poor
RET5.2	CYANO_C	BP	Spring2	18666598	64.1	Poor
RET5.2	CYANO_C	BP	Summer1	52296636	57.9	Poor
RET5.2	CYANO_C	BP	Summer2	38952059	53.5	Fair
RET5.2	CYANO_C	BP	Winter	11292185	73.8	Poor
RET5.2	DIATOM_C	AP	Annual	548890000	62.5	Good
RET5.2	DIATOM_C	AP	Fall	258330000	60.3	Good

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
RET5.2	DIATOM_C	AP	SAV1	375890000	55.9	Fair
RET5.2	DIATOM_C	AP	SAV2	548890000	59.4	Good
RET5.2	DIATOM_C	AP	Spring1	646320000	59.4	Good
RET5.2	DIATOM_C	AP	Spring2	816090000	62	Good
RET5.2	DIATOM_C	AP	Summer1	621680000	61.9	Good
RET5.2	DIATOM_C	AP	Summer2	564720000	62.1	Good
RET5.2	DIATOM_C	AP	Winter	1066900000	89.7	Good
RET5.2	DIATOM_C	BP	Annual	769670000	68.2	Good
RET5.2	DIATOM_C	BP	Fall	409010000	67.3	Good
RET5.2	DIATOM_C	BP	SAV1	744680000	64.5	Good
RET5.2	DIATOM_C	BP	SAV2	983960000	67.8	Good
RET5.2	DIATOM_C	BP	Spring1	1193600000	67.3	Good
RET5.2	DIATOM_C	BP	Spring2	1258100000	67.4	Good
RET5.2	DIATOM_C	BP	Summer1	661200000	65.1	Good
RET5.2	DIATOM_C	BP	Summer2	476660000	59.2	Good
RET5.2	DIATOM_C	BP	Winter	1196900000	90.3	Good
RET5.2	DINOFL_C	AP	Annual	1801503	66.6	Poor
RET5.2	DINOFL_C	AP	Fall	6776185	78.2	Poor
RET5.2	DINOFL_C	AP	SAV1	3909180	71	Poor
RET5.2	DINOFL_C	AP	SAV2	5556314	64.3	Poor
RET5.2	DINOFL_C	AP	Spring1	123689	35	Good
RET5.2	DINOFL_C	AP	Spring2	316529	54.5	Fair
RET5.2	DINOFL_C	AP	Summer1	10241871	66.4	Poor
RET5.2	DINOFL_C	AP	Summer2	15367203	67.3	Poor
RET5.2	DINOFL_C	AP	Winter	563236	70.9	Poor
RET5.2	DINOFL_C	BP	Annual	308101	60.4	Poor
RET5.2	DINOFL_C	BP	Fall	7602883	75.7	Poor
RET5.2	DINOFL_C	BP	SAV1	448102	61.9	Poor
RET5.2	DINOFL_C	BP	SAV2	633057	57.2	Fair
RET5.2	DINOFL_C	BP	Spring1	1179336	73.9	Poor
RET5.2	DINOFL_C	BP	Spring2	1725614	71.3	Poor
RET5.2	DINOFL_C	BP	Summer1	285624	52.3	Fair
RET5.2	DINOFL_C	BP	Summer2	263148	49.7	Fair
RET5.2	DINOFL_C	BP	Winter	86661	37.9	Good
RET5.2	MARGALEF	AP	Annual	1.80	41.1	Poor
RET5.2	MARGALEF	AP	Fall	1.50	23.2	Poor
RET5.2	MARGALEF	AP	SAV1	1.79	45.3	Fair
RET5.2	MARGALEF	AP	SAV2	1.77	33.4	Poor
RET5.2	MARGALEF	AP	Spring1	1.89	57.5	Fair
RET5.2	MARGALEF	AP	Spring2	1.86	50.6	Fair
RET5.2	MARGALEF	AP	Summer1	1.58	14.4	Poor
RET5.2	MARGALEF	AP	Summer2	1.47	7.9	Poor
RET5.2	MARGALEF	AP	Winter	2.20	80.4	Good
RET5.2	MARGALEF	BP	Annual	1.72	51.9	Fair
RET5.2	MARGALEF	BP	Fall	1.96	74.1	Good
RET5.2	MARGALEF	BP	SAV1	1.76	59.2	Good
RET5.2	MARGALEF	BP	SAV2	1.68	40.4	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
RET5.2	MARGALEF	BP	Spring1	1.64	53.9	Fair
RET5.2	MARGALEF	BP	Spring2	1.55	38.8	Poor
RET5.2	MARGALEF	BP	Summer1	1.72	37.4	Poor
RET5.2	MARGALEF	BP	Summer2	1.76	37	Poor
RET5.2	MARGALEF	BP	Winter	1.81	67.6	Good
RET5.2	PICO_C	AP	Annual	96960000	64.7	Poor
RET5.2	PICO_C	AP	Fall	38496000	43	Fair
RET5.2	PICO_C	AP	SAV1	75792000	59.2	Poor
RET5.2	PICO_C	AP	SAV2	225440000	59	Poor
RET5.2	PICO_C	AP	Spring1	28132729	61.7	Poor
RET5.2	PICO_C	AP	Spring2	128640000	64.2	Poor
RET5.2	PICO_C	AP	Summer1	302280000	43.1	Fair
RET5.2	PICO_C	AP	Summer2	328320000	47.2	Fair
RET5.2	PICO_C	AP	Winter	6652800	45.8	Fair
RET5.2	PICO_C	BP	Annual	87840000	63.1	Poor
RET5.2	PICO_C	BP	Fall	37680000	42.4	Fair
RET5.2	PICO_C	BP	SAV1	72240000	59.1	Poor
RET5.2	PICO_C	BP	SAV2	235200000	59.5	Poor
RET5.2	PICO_C	BP	Spring1	40548000	74.3	Poor
RET5.2	PICO_C	BP	Spring2	196320000	74.9	Poor
RET5.2	PICO_C	BP	Summer1	296040000	41.9	Good
RET5.2	PICO_C	BP	Summer2	328560000	45.1	Fair
RET5.2	PICO_C	BP	Winter	8209152	47.8	Fair
RET5.2	PROCAR_C	AP	Annual	0.030	34.4	Good
RET5.2	PROCAR_C	AP	Fall	0.020	41.6	Fair
RET5.2	PROCAR_C	AP	SAV1	0.030	34.7	Good
RET5.2	PROCAR_C	AP	SAV2	0.050	32.3	Good
RET5.2	PROCAR_C	AP	Spring1	0.020	33.7	Good
RET5.2	PROCAR_C	AP	Spring2	0.020	32.1	Good
RET5.2	PROCAR_C	AP	Summer1	0.050	30.6	Good
RET5.2	PROCAR_C	AP	Summer2	0.060	29.8	Good
RET5.2	PROCAR_C	AP	Winter	0.000	39.6	Fair
RET5.2	PROCAR_C	BP	Annual	0.030	35.9	Good
RET5.2	PROCAR_C	BP	Fall	0.060	42.2	Fair
RET5.2	PROCAR_C	BP	SAV1	0.040	37	Good
RET5.2	PROCAR_C	BP	SAV2	0.030	33.8	Good
RET5.2	PROCAR_C	BP	Spring1	0.010	36.5	Good
RET5.2	PROCAR_C	BP	Spring2	0.010	34.9	Good
RET5.2	PROCAR_C	BP	Summer1	0.040	31.2	Good
RET5.2	PROCAR_C	BP	Summer2	0.050	30.3	Good
RET5.2	PROCAR_C	BP	Winter	0.010	36.2	Good
RET5.2	RATIO	AP	Annual	38.830	28.4	Poor
RET5.2	RATIO	AP	Fall	38.830	38.7	Poor
RET5.2	RATIO	AP	SAV1	38.960	28.3	Poor
RET5.2	RATIO	AP	SAV2	33.860	25.1	Poor
RET5.2	RATIO	AP	Spring1	47.250	26.2	Poor
RET5.2	RATIO	AP	Spring2	41.180	22.1	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
RET5.2	RATIO	AP	Summer1	32.270	27	Poor
RET5.2	RATIO	AP	Summer2	30.140	28.8	Poor
RET5.2	RATIO	AP	Winter	96.630	71.3	Good
RET5.2	RATIO	BP	Annual	46.240	35.5	Poor
RET5.2	RATIO	BP	Fall	28.820	27.9	Poor
RET5.2	RATIO	BP	SAV1	49.540	35.2	Poor
RET5.2	RATIO	BP	SAV2	41.660	30.8	Poor
RET5.2	RATIO	BP	Spring1	80.360	41.8	Fair
RET5.2	RATIO	BP	Spring2	69.360	39.6	Poor
RET5.2	RATIO	BP	Summer1	34.160	32.8	Poor
RET5.2	RATIO	BP	Summer2	26.030	29.4	Poor
RET5.2	RATIO	BP	Winter	82.980	66.2	Good
RET5.2	TOTBMASS	AP	Annual	791250000	49	Fair
RET5.2	TOTBMASS	AP	Fall	467540000	49.7	Fair
RET5.2	TOTBMASS	AP	SAV1	715200000	42.1	Fair
RET5.2	TOTBMASS	AP	SAV2	919600000	42.2	Fair
RET5.2	TOTBMASS	AP	Spring1	1106100000	49.1	Fair
RET5.2	TOTBMASS	AP	Spring2	1005100000	41.6	Fair
RET5.2	TOTBMASS	AP	Summer1	1108100000	46.6	Fair
RET5.2	TOTBMASS	AP	Summer2	1211200000	47.9	Fair
RET5.2	TOTBMASS	AP	Winter	1512500000	83.7	Good
RET5.2	TOTBMASS	BP	Annual	1273200000	63.7	Good
RET5.2	TOTBMASS	BP	Fall	719880000	61.5	Good
RET5.2	TOTBMASS	BP	SAV1	1110500000	56.3	Fair
RET5.2	TOTBMASS	BP	SAV2	1284100000	56.4	Fair
RET5.2	TOTBMASS	BP	Spring1	1295900000	58.5	Good
RET5.2	TOTBMASS	BP	Spring2	1338200000	58	Fair
RET5.2	TOTBMASS	BP	Summer1	1005600000	55.6	Fair
RET5.2	TOTBMASS	BP	Summer2	500780000	36.9	Poor
RET5.2	TOTBMASS	BP	Winter	1586800000	88.6	Good
LE5.5	CHLORO_C	AP	Annual	229669	85.4	Good
LE5.5	CHLORO_C	AP	Fall	830	70.1	Good
LE5.5	CHLORO_C	AP	SAV1	336558	82	Good
LE5.5	CHLORO_C	AP	SAV2	146521	80.6	Good
LE5.5	CHLORO_C	AP	Spring1	846998	73.6	Good
LE5.5	CHLORO_C	AP	Spring2	360300	72.6	Good
LE5.5	CHLORO_C	AP	Winter	8726729	92.3	Good
LE5.5	CHLORO_C	BP	Annual	330653	86.9	Good
LE5.5	CHLORO_C	BP	Fall	130794	59.8	Good
LE5.5	CHLORO_C	BP	SAV1	330653	84.6	Good
LE5.5	CHLORO_C	BP	SAV2	1202646	89.2	Good
LE5.5	CHLORO_C	BP	Spring1	2147139	80.4	Good
LE5.5	CHLORO_C	BP	Spring2	2147139	83	Good
LE5.5	CHLORO_C	BP	Winter	546418	87.8	Good
LE5.5	CYANO	AP	Annual	177920	80.5	Poor
LE5.5	CYANO	AP	Fall	108439	87.3	Poor
LE5.5	CYANO	AP	SAV1	176448	80.3	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
LE5.5	CYANO	AP	SAV2	170496	74.3	Poor
LE5.5	CYANO	AP	Spring1	232832	79.1	Poor
LE5.5	CYANO	AP	Spring2	170496	74.6	Poor
LE5.5	CYANO	AP	Summer1	218778	74.1	Poor
LE5.5	CYANO	AP	Summer2	311552	74.9	Poor
LE5.5	CYANO	AP	Winter	232832	89.9	Poor
LE5.5	CYANO	BP	Annual	230080	87.1	Poor
LE5.5	CYANO	BP	Fall	109184	87.9	Poor
LE5.5	CYANO	BP	SAV1	322956	87	Poor
LE5.5	CYANO	BP	SAV2	219919	83.6	Poor
LE5.5	CYANO	BP	Spring1	333824	85.8	Poor
LE5.5	CYANO	BP	Spring2	315008	85	Poor
LE5.5	CYANO	BP	Summer1	208499	83.3	Poor
LE5.5	CYANO	BP	Summer2	198912	82.1	Poor
LE5.5	CYANO	BP	Winter	383898	95.2	Poor
LE5.5	CYANO_C	AP	Annual	1339558	78.5	Poor
LE5.5	CYANO_C	AP	Fall	768243	88.7	Poor
LE5.5	CYANO_C	AP	SAV1	1252493	78.7	Poor
LE5.5	CYANO_C	AP	SAV2	1378483	72.8	Poor
LE5.5	CYANO_C	AP	Spring1	1769523	75.4	Poor
LE5.5	CYANO_C	AP	Spring2	1295770	69.7	Poor
LE5.5	CYANO_C	AP	Summer1	1408169	70.6	Poor
LE5.5	CYANO_C	AP	Summer2	1892678	72	Poor
LE5.5	CYANO_C	AP	Winter	1425688	83.8	Poor
LE5.5	CYANO_C	BP	Annual	1789382	84.2	Poor
LE5.5	CYANO_C	BP	Fall	758129	87.2	Poor
LE5.5	CYANO_C	BP	SAV1	2092170	83.8	Poor
LE5.5	CYANO_C	BP	SAV2	1671385	79.2	Poor
LE5.5	CYANO_C	BP	Spring1	2371863	81.1	Poor
LE5.5	CYANO_C	BP	Spring2	1809242	76.9	Poor
LE5.5	CYANO_C	BP	Summer1	1380879	78.4	Poor
LE5.5	CYANO_C	BP	Summer2	1467410	78.4	Poor
LE5.5	CYANO_C	BP	Winter	2510356	92.2	Poor
LE5.5	DIATOM_C	AP	Annual	242100000	52.9	Fair
LE5.5	DIATOM_C	AP	Fall	165280000	63	Good
LE5.5	DIATOM_C	AP	SAV1	173970000	44.1	Fair
LE5.5	DIATOM_C	AP	SAV2	237540000	50.7	Fair
LE5.5	DIATOM_C	AP	Spring1	186530000	18.4	Poor
LE5.5	DIATOM_C	AP	Spring2	250870000	32.2	Poor
LE5.5	DIATOM_C	AP	Summer1	310670000	68.1	Good
LE5.5	DIATOM_C	AP	Summer2	285980000	68.7	Good
LE5.5	DIATOM_C	AP	Winter	455020000	52.9	Fair
LE5.5	DIATOM_C	BP	Annual	307790000	57.2	Good
LE5.5	DIATOM_C	BP	Fall	319430000	76.1	Good
LE5.5	DIATOM_C	BP	SAV1	290650000	51.2	Fair
LE5.5	DIATOM_C	BP	SAV2	281350000	57.4	Good
LE5.5	DIATOM_C	BP	Spring1	276940000	22.4	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
LE5.5	DIATOM_C	BP	Spring2	230400000	32.2	Poor
LE5.5	DIATOM_C	BP	Summer1	287430000	72.6	Good
LE5.5	DIATOM_C	BP	Summer2	299950000	74	Good
LE5.5	DIATOM_C	BP	Winter	348020000	38	Poor
LE5.5	DINOFL_C	AP	Annual	36508435	39.7	Good
LE5.5	DINOFL_C	AP	Fall	23282843	43.2	Fair
LE5.5	DINOFL_C	AP	SAV1	28240077	43.2	Fair
LE5.5	DINOFL_C	AP	SAV2	69804170	48.5	Fair
LE5.5	DINOFL_C	AP	Spring1	46303615	51.5	Fair
LE5.5	DINOFL_C	AP	Spring2	101480000	57.9	Fair
LE5.5	DINOFL_C	AP	Summer1	72760051	44.1	Fair
LE5.5	DINOFL_C	AP	Summer2	69804170	45	Fair
LE5.5	DINOFL_C	AP	Winter	43261520	51.9	Fair
LE5.5	DINOFL_C	BP	Annual	50417911	65.4	Poor
LE5.5	DINOFL_C	BP	Fall	17919485	61.7	Poor
LE5.5	DINOFL_C	BP	SAV1	22597260	55.2	Fair
LE5.5	DINOFL_C	BP	SAV2	50118771	63	Poor
LE5.5	DINOFL_C	BP	Spring1	76172977	63.7	Poor
LE5.5	DINOFL_C	BP	Spring2	76172977	62.9	Poor
LE5.5	DINOFL_C	BP	Summer1	73252015	71	Poor
LE5.5	DINOFL_C	BP	Summer2	50118771	66.6	Poor
LE5.5	DINOFL_C	BP	Winter	52169186	57.7	Fair
LE5.5	MARGALEF	AP	Annual	2.74	66.3	Good
LE5.5	MARGALEF	AP	Fall	3.14	79.1	Good
LE5.5	MARGALEF	AP	SAV1	2.77	67.8	Good
LE5.5	MARGALEF	AP	SAV2	2.63	64.3	Good
LE5.5	MARGALEF	AP	Spring1	2.76	76	Good
LE5.5	MARGALEF	AP	Spring2	2.63	69.9	Good
LE5.5	MARGALEF	AP	Summer1	2.58	68.3	Good
LE5.5	MARGALEF	AP	Summer2	2.57	66.4	Good
LE5.5	MARGALEF	AP	Winter	3.08	57.8	Fair
LE5.5	MARGALEF	BP	Annual	2.76	64	Good
LE5.5	MARGALEF	BP	Fall	3.04	72.9	Good
LE5.5	MARGALEF	BP	SAV1	2.72	59.3	Good
LE5.5	MARGALEF	BP	SAV2	2.61	60.1	Good
LE5.5	MARGALEF	BP	Spring1	2.70	59.7	Good
LE5.5	MARGALEF	BP	Spring2	2.57	58.7	Good
LE5.5	MARGALEF	BP	Summer1	2.68	73	Good
LE5.5	MARGALEF	BP	Summer2	2.75	76.8	Good
LE5.5	MARGALEF	BP	Winter	2.79	48.1	Fair
LE5.5	PICO_C	AP	Annual	41260294	47.6	Fair
LE5.5	PICO_C	AP	Fall	27195375	51.3	Fair
LE5.5	PICO_C	AP	SAV1	36944794	55.1	Fair
LE5.5	PICO_C	AP	SAV2	284880000	69	Poor
LE5.5	PICO_C	AP	Spring1	21552413	67.8	Poor
LE5.5	PICO_C	AP	Spring2	175440000	74.5	Poor
LE5.5	PICO_C	AP	Summer1	653280000	70	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
LE5.5	PICO_C	AP	Summer2	665280000	71.1	Poor
LE5.5	PICO_C	AP	Winter	8419305	47.8	Fair
LE5.5	PICO_C	BP	Annual	46795238	51.5	Fair
LE5.5	PICO_C	BP	Fall	28882500	55.3	Fair
LE5.5	PICO_C	BP	SAV1	34390500	54.5	Fair
LE5.5	PICO_C	BP	SAV2	318470000	80.1	Poor
LE5.5	PICO_C	BP	Spring1	24325238	68.4	Poor
LE5.5	PICO_C	BP	Spring2	256900000	84.9	Poor
LE5.5	PICO_C	BP	Summer1	706080000	86.5	Poor
LE5.5	PICO_C	BP	Summer2	763200000	88.8	Poor
LE5.5	PICO_C	BP	Winter	8066400	51.3	Fair
LE5.5	PROCAR_C	AP	Annual	0.000	38.6	Good
LE5.5	PROCAR_C	AP	Fall	0.000	41	Good
LE5.5	PROCAR_C	AP	SAV1	0.010	39.2	Good
LE5.5	PROCAR_C	AP	SAV2	0.000	35.9	Good
LE5.5	PROCAR_C	AP	Spring1	0.010	41.6	Good
LE5.5	PROCAR_C	AP	Spring2	0.000	38.4	Good
LE5.5	PROCAR_C	AP	Summer1	0.000	33.3	Good
LE5.5	PROCAR_C	AP	Summer2	0.000	32.9	Good
LE5.5	PROCAR_C	AP	Winter	0.000	43.5	Fair
LE5.5	PROCAR_C	BP	Annual	0.000	40	Good
LE5.5	PROCAR_C	BP	Fall	0.000	41.1	Good
LE5.5	PROCAR_C	BP	SAV1	0.010	40.6	Good
LE5.5	PROCAR_C	BP	SAV2	0.000	37.7	Good
LE5.5	PROCAR_C	BP	Spring1	0.010	42.2	Good
LE5.5	PROCAR_C	BP	Spring2	0.000	39.6	Good
LE5.5	PROCAR_C	BP	Summer1	0.000	36.8	Good
LE5.5	PROCAR_C	BP	Summer2	0.000	36.8	Good
LE5.5	PROCAR_C	BP	Winter	0.010	44.8	Fair
LE5.5	RATIO	AP	Annual	85.440	32.4	Poor
LE5.5	RATIO	AP	Fall	74.340	41.5	Poor
LE5.5	RATIO	AP	SAV1	65.370	19.5	Poor
LE5.5	RATIO	AP	SAV2	81.640	25.9	Poor
LE5.5	RATIO	AP	Spring1	68.740	10.6	Poor
LE5.5	RATIO	AP	Spring2	92.700	22.1	Poor
LE5.5	RATIO	AP	Summer1	107.360	47.1	Fair
LE5.5	RATIO	AP	Summer2	81.640	30.3	Poor
LE5.5	RATIO	AP	Winter	132.210	46.6	Fair
LE5.5	RATIO	BP	Annual	86.010	32.6	Poor
LE5.5	RATIO	BP	Fall	150.940	75.8	Good
LE5.5	RATIO	BP	SAV1	86.010	30	Poor
LE5.5	RATIO	BP	SAV2	81.580	28.4	Poor
LE5.5	RATIO	BP	Spring1	88.600	16.3	Poor
LE5.5	RATIO	BP	Spring2	81.580	18.4	Poor
LE5.5	RATIO	BP	Summer1	70.900	27.9	Poor
LE5.5	RATIO	BP	Summer2	72.660	30.3	Poor
LE5.5	RATIO	BP	Winter	100.560	24.5	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
LE5.5	TOTBMASS	AP	Annual	355200000	32.3	Poor
LE5.5	TOTBMASS	AP	Fall	244430000	41.9	Fair
LE5.5	TOTBMASS	AP	SAV1	273250000	23.1	Poor
LE5.5	TOTBMASS	AP	SAV2	373530000	25.7	Poor
LE5.5	TOTBMASS	AP	Spring1	336870000	13.4	Poor
LE5.5	TOTBMASS	AP	Spring2	373530000	17.5	Poor
LE5.5	TOTBMASS	AP	Summer1	502970000	37.5	Poor
LE5.5	TOTBMASS	AP	Summer2	480050000	36.7	Poor
LE5.5	TOTBMASS	AP	Winter	578250000	45.1	Fair
LE5.5	TOTBMASS	BP	Annual	380220000	44.9	Fair
LE5.5	TOTBMASS	BP	Fall	350270000	69.8	Good
LE5.5	TOTBMASS	BP	SAV1	350270000	39.4	Poor
LE5.5	TOTBMASS	BP	SAV2	380130000	44.6	Fair
LE5.5	TOTBMASS	BP	Spring1	380310000	16.6	Poor
LE5.5	TOTBMASS	BP	Spring2	380310000	26.7	Poor
LE5.5	TOTBMASS	BP	Summer1	376880000	55.7	Fair
LE5.5	TOTBMASS	BP	Summer2	339780000	53.1	Fair
LE5.5	TOTBMASS	BP	Winter	498640000	35.7	Poor
SBE5	CHLORO_C	AP	Annual	1599702	83	Good
SBE5	CHLORO_C	AP	Fall	10417	69.4	Good
SBE5	CHLORO_C	AP	SAV1	2160818	83.4	Good
SBE5	CHLORO_C	AP	SAV2	1818739	81.4	Good
SBE5	CHLORO_C	AP	Spring1	2317226	74.9	Good
SBE5	CHLORO_C	AP	Spring2	1380664	72.3	Good
SBE5	CHLORO_C	AP	Winter	711168	84.1	Good
SBE5	CHLORO_C	BP	Annual	1492664	86.7	Good
SBE5	CHLORO_C	BP	Fall	62406	83.3	Good
SBE5	CHLORO_C	BP	SAV1	1012690	84.2	Good
SBE5	CHLORO_C	BP	SAV2	1017705	83.5	Good
SBE5	CHLORO_C	BP	Spring1	1858399	79.6	Good
SBE5	CHLORO_C	BP	Spring2	1502917	77.7	Good
SBE5	CHLORO_C	BP	Winter	1725647	84.3	Good
SBE5	CYANO	AP	Annual	393536	56	Fair
SBE5	CYANO	AP	Fall	156268	62.9	Poor
SBE5	CYANO	AP	SAV1	298368	56.6	Fair
SBE5	CYANO	AP	SAV2	465664	35.6	Good
SBE5	CYANO	AP	Spring1	369792	59.6	Poor
SBE5	CYANO	AP	Spring2	451968	37	Good
SBE5	CYANO	AP	Summer1	566656	19.8	Good
SBE5	CYANO	AP	Summer2	671104	17.9	Good
SBE5	CYANO	AP	Winter	393344	68.8	Poor
SBE5	CYANO	BP	Annual	314048	60.6	Poor
SBE5	CYANO	BP	Fall	174624	67.3	Poor
SBE5	CYANO	BP	SAV1	277674	62.2	Poor
SBE5	CYANO	BP	SAV2	534118	51.4	Fair
SBE5	CYANO	BP	Spring1	559155	68.9	Poor
SBE5	CYANO	BP	Spring2	657408	54.7	Fair

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
SBE5	CYANO	BP	Summer1	551168	42.3	Fair
SBE5	CYANO	BP	Summer2	503526	41	Good
SBE5	CYANO	BP	Winter	268506	69.8	Poor
SBE5	CYANO_C	AP	Annual	2494042	53.2	Fair
SBE5	CYANO_C	AP	Fall	812046	62.2	Poor
SBE5	CYANO_C	AP	SAV1	1670088	53.7	Fair
SBE5	CYANO_C	AP	SAV2	2954227	39	Good
SBE5	CYANO_C	AP	Spring1	1891418	53.9	Fair
SBE5	CYANO_C	AP	Spring2	2515955	30.1	Good
SBE5	CYANO_C	AP	Summer1	3740204	32.3	Good
SBE5	CYANO_C	AP	Summer2	3382565	37.4	Good
SBE5	CYANO_C	AP	Winter	2639814	63.5	Poor
SBE5	CYANO_C	BP	Annual	1659005	56.8	Poor
SBE5	CYANO_C	BP	Fall	1055382	66.4	Poor
SBE5	CYANO_C	BP	SAV1	1286043	60.8	Poor
SBE5	CYANO_C	BP	SAV2	2217756	46.9	Fair
SBE5	CYANO_C	BP	Spring1	1662444	62.3	Poor
SBE5	CYANO_C	BP	Spring2	1632571	40.4	Good
SBE5	CYANO_C	BP	Summer1	3279855	41.5	Good
SBE5	CYANO_C	BP	Summer2	3244769	46.5	Fair
SBE5	CYANO_C	BP	Winter	1663283	62.8	Poor
SBE5	DIATOM_C	AP	Annual	128260000	46.8	Fair
SBE5	DIATOM_C	AP	Fall	119110000	57.8	Good
SBE5	DIATOM_C	AP	SAV1	90490763	41.8	Poor
SBE5	DIATOM_C	AP	SAV2	127940000	45.9	Fair
SBE5	DIATOM_C	AP	Spring1	67600577	21.2	Poor
SBE5	DIATOM_C	AP	Spring2	100680000	37.4	Poor
SBE5	DIATOM_C	AP	Summer1	165700000	47.6	Fair
SBE5	DIATOM_C	AP	Summer2	128580000	44.2	Fair
SBE5	DIATOM_C	AP	Winter	300690000	40.8	Poor
SBE5	DIATOM_C	BP	Annual	125780000	42.9	Poor
SBE5	DIATOM_C	BP	Fall	76788124	50.1	Fair
SBE5	DIATOM_C	BP	SAV1	55329199	30.6	Poor
SBE5	DIATOM_C	BP	SAV2	104240000	41.1	Poor
SBE5	DIATOM_C	BP	Spring1	59168082	6.3	Poor
SBE5	DIATOM_C	BP	Spring2	59168082	7.8	Poor
SBE5	DIATOM_C	BP	Summer1	264720000	53.5	Fair
SBE5	DIATOM_C	BP	Summer2	104240000	47.7	Fair
SBE5	DIATOM_C	BP	Winter	400170000	38.3	Poor
SBE5	DINOFL_C	AP	Annual	19510284	54.6	Fair
SBE5	DINOFL_C	AP	Fall	4051172	52.2	Fair
SBE5	DINOFL_C	AP	SAV1	5442215	48.4	Fair
SBE5	DINOFL_C	AP	SAV2	23181289	50.9	Fair
SBE5	DINOFL_C	AP	Spring1	5370758	44.8	Fair
SBE5	DINOFL_C	AP	Spring2	12326748	40.2	Good
SBE5	DINOFL_C	AP	Summer1	59575021	53	Fair
SBE5	DINOFL_C	AP	Summer2	59303700	55.9	Fair

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
SBE5	DINOFL_C	AP	Winter	58733217	71.3	Poor
SBE5	DINOFL_C	BP	Annual	10884097	64.6	Poor
SBE5	DINOFL_C	BP	Fall	3152429	66.9	Poor
SBE5	DINOFL_C	BP	SAV1	3249725	57.9	Poor
SBE5	DINOFL_C	BP	SAV2	12792753	64.2	Poor
SBE5	DINOFL_C	BP	Spring1	3347020	47.6	Fair
SBE5	DINOFL_C	BP	Spring2	12071148	59.7	Poor
SBE5	DINOFL_C	BP	Summer1	17194630	64.5	Poor
SBE5	DINOFL_C	BP	Summer2	21596508	68.5	Poor
SBE5	DINOFL_C	BP	Winter	8301125	52.2	Fair
SBE5	MARGALEF	AP	Annual	1.98	71.7	Good
SBE5	MARGALEF	AP	Fall	2.02	87.8	Good
SBE5	MARGALEF	AP	SAV1	1.94	82.8	Good
SBE5	MARGALEF	AP	SAV2	1.84	66.4	Good
SBE5	MARGALEF	AP	Spring1	1.95	84.5	Good
SBE5	MARGALEF	AP	Spring2	1.92	80.4	Good
SBE5	MARGALEF	AP	Summer1	1.87	52.4	Fair
SBE5	MARGALEF	AP	Summer2	1.91	54.6	Fair
SBE5	MARGALEF	AP	Winter	2.63	72.7	Good
SBE5	MARGALEF	BP	Annual	2.00	67.5	Good
SBE5	MARGALEF	BP	Fall	2.07	80.4	Good
SBE5	MARGALEF	BP	SAV1	1.78	54	Fair
SBE5	MARGALEF	BP	SAV2	1.98	73.8	Good
SBE5	MARGALEF	BP	Spring1	1.72	45.7	Fair
SBE5	MARGALEF	BP	Spring2	2.02	82.8	Good
SBE5	MARGALEF	BP	Summer1	1.75	52	Fair
SBE5	MARGALEF	BP	Summer2	1.72	47.4	Fair
SBE5	MARGALEF	BP	Winter	2.46	67.8	Good
SBE5	PICO_C	AP	Annual	20442619	43.1	Good
SBE5	PICO_C	AP	Fall	5880000	9.4	Good
SBE5	PICO_C	AP	SAV1	14328000	39.6	Good
SBE5	PICO_C	AP	SAV2	138480000	61.4	Poor
SBE5	PICO_C	AP	Spring1	4710000	51	Fair
SBE5	PICO_C	AP	Spring2	27600000	58.6	Poor
SBE5	PICO_C	AP	Summer1	178890000	32.5	Good
SBE5	PICO_C	AP	Summer2	166660000	33.7	Good
SBE5	PICO_C	AP	Winter	2629920	33.7	Good
SBE5	PICO_C	BP	Annual	16140000	40.9	Good
SBE5	PICO_C	BP	Fall	7502250	15.3	Good
SBE5	PICO_C	BP	SAV1	13650000	40.4	Good
SBE5	PICO_C	BP	SAV2	98880000	59	Poor
SBE5	PICO_C	BP	Spring1	4033200	43.4	Fair
SBE5	PICO_C	BP	Spring2	16320000	51.3	Fair
SBE5	PICO_C	BP	Summer1	195050000	43.7	Fair
SBE5	PICO_C	BP	Summer2	149280000	36.7	Good
SBE5	PICO_C	BP	Winter	2768640	38	Good
SBE5	PROCAR_C	AP	Annual	0.010	30.2	Good

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
SBE5	PROCAR_C	AP	Fall	0.010	33	Good
SBE5	PROCAR_C	AP	SAV1	0.010	31.1	Good
SBE5	PROCAR_C	AP	SAV2	0.010	27.7	Good
SBE5	PROCAR_C	AP	Spring1	0.020	32	Good
SBE5	PROCAR_C	AP	Spring2	0.010	27.7	Good
SBE5	PROCAR_C	AP	Summer1	0.020	26.2	Good
SBE5	PROCAR_C	AP	Summer2	0.020	27.6	Good
SBE5	PROCAR_C	AP	Winter	0.010	30.6	Good
SBE5	PROCAR_C	BP	Annual	0.010	31.7	Good
SBE5	PROCAR_C	BP	Fall	0.010	35.2	Good
SBE5	PROCAR_C	BP	SAV1	0.020	33.4	Good
SBE5	PROCAR_C	BP	SAV2	0.020	29	Good
SBE5	PROCAR_C	BP	Spring1	0.020	33.4	Good
SBE5	PROCAR_C	BP	Spring2	0.020	29.7	Good
SBE5	PROCAR_C	BP	Summer1	0.020	27	Good
SBE5	PROCAR_C	BP	Summer2	0.020	27.7	Good
SBE5	PROCAR_C	BP	Winter	0.000	34.1	Good
SBE5	RATIO	AP	Annual	43.720	16.9	Poor
SBE5	RATIO	AP	Fall	45.750	27.3	Poor
SBE5	RATIO	AP	SAV1	38.150	15.8	Poor
SBE5	RATIO	AP	SAV2	38.650	11.9	Poor
SBE5	RATIO	AP	Spring1	32.880	7.4	Poor
SBE5	RATIO	AP	Spring2	26.640	3.4	Poor
SBE5	RATIO	AP	Summer1	42.270	12.3	Poor
SBE5	RATIO	AP	Summer2	40.350	16	Poor
SBE5	RATIO	AP	Winter	59.460	27.4	Poor
SBE5	RATIO	BP	Annual	39.670	13.1	Poor
SBE5	RATIO	BP	Fall	40.690	24.3	Poor
SBE5	RATIO	BP	SAV1	36.110	13	Poor
SBE5	RATIO	BP	SAV2	33.300	7.2	Poor
SBE5	RATIO	BP	Spring1	35.190	6.7	Poor
SBE5	RATIO	BP	Spring2	26.260	2.5	Poor
SBE5	RATIO	BP	Summer1	34.340	6.7	Poor
SBE5	RATIO	BP	Summer2	35.380	9.9	Poor
SBE5	RATIO	BP	Winter	59.740	21.2	Poor
SBE5	TOTBMASS	AP	Annual	193300000	12.3	Poor
SBE5	TOTBMASS	AP	Fall	151800000	21	Poor
SBE5	TOTBMASS	AP	SAV1	149710000	11.7	Poor
SBE5	TOTBMASS	AP	SAV2	174420000	7.7	Poor
SBE5	TOTBMASS	AP	Spring1	101060000	3.4	Poor
SBE5	TOTBMASS	AP	Spring2	149790000	3.1	Poor
SBE5	TOTBMASS	AP	Summer1	260210000	9.3	Poor
SBE5	TOTBMASS	AP	Summer2	212300000	10.1	Poor
SBE5	TOTBMASS	AP	Winter	409090000	22.4	Poor
SBE5	TOTBMASS	BP	Annual	174640000	18.2	Poor
SBE5	TOTBMASS	BP	Fall	102410000	28.9	Poor
SBE5	TOTBMASS	BP	SAV1	114520000	16.2	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
SBE5	TOTBMASS	BP	SAV2	170450000	10.6	Poor
SBE5	TOTBMASS	BP	Spring1	137210000	4.3	Poor
SBE5	TOTBMASS	BP	Spring2	207400000	6.8	Poor
SBE5	TOTBMASS	BP	Summer1	298700000	18.1	Poor
SBE5	TOTBMASS	BP	Summer2	170450000	13.3	Poor
SBE5	TOTBMASS	BP	Winter	442260000	21.3	Poor
TF4.2	CHLORO_C	AP	Annual	10227866	52.5	Fair
TF4.2	CHLORO_C	AP	Fall	1647912	47.9	Fair
TF4.2	CHLORO_C	AP	SAV1	8668741	47.1	Fair
TF4.2	CHLORO_C	AP	SAV2	20219503	47.1	Fair
TF4.2	CHLORO_C	AP	Spring1	3678599	36.9	Poor
TF4.2	CHLORO_C	AP	Spring2	10071972	40.9	Poor
TF4.2	CHLORO_C	AP	Winter	4260679	63.1	Good
TF4.2	CHLORO_C	BP	Annual	30666775	61.9	Good
TF4.2	CHLORO_C	BP	Fall	20023826	67.5	Good
TF4.2	CHLORO_C	BP	SAV1	30574252	61.2	Good
TF4.2	CHLORO_C	BP	SAV2	41133879	53.7	Fair
TF4.2	CHLORO_C	BP	Spring1	41133879	60	Good
TF4.2	CHLORO_C	BP	Spring2	41133879	55	Fair
TF4.2	CHLORO_C	BP	Winter	560281	38.6	Poor
TF4.2	CYANO	AP	Annual	832115	50.6	Fair
TF4.2	CYANO	AP	Fall	374016	50	Fair
TF4.2	CYANO	AP	SAV1	457728	47.7	Fair
TF4.2	CYANO	AP	SAV2	811886	31	Good
TF4.2	CYANO	AP	Spring1	811886	60.7	Poor
TF4.2	CYANO	AP	Spring2	1361598	48.3	Fair
TF4.2	CYANO	AP	Summer1	1890598	19.4	Good
TF4.2	CYANO	AP	Summer2	1336320	10.7	Good
TF4.2	CYANO	AP	Winter	1790923	77	Poor
TF4.2	CYANO	BP	Annual	1096969	54	Fair
TF4.2	CYANO	BP	Fall	384512	50.7	Fair
TF4.2	CYANO	BP	SAV1	1018163	56.8	Poor
TF4.2	CYANO	BP	SAV2	2449445	46.4	Fair
TF4.2	CYANO	BP	Spring1	1018163	63.9	Poor
TF4.2	CYANO	BP	Spring2	984781	49.8	Fair
TF4.2	CYANO	BP	Summer1	2833587	29.9	Good
TF4.2	CYANO	BP	Summer2	4335872	21.7	Good
TF4.2	CYANO	BP	Winter	2384571	78.1	Poor
TF4.2	CYANO_C	AP	Annual	4285830	50.5	Fair
TF4.2	CYANO_C	AP	Fall	3047062	57.7	Fair
TF4.2	CYANO_C	AP	SAV1	3407456	50.9	Fair
TF4.2	CYANO_C	AP	SAV2	4387514	36.7	Good
TF4.2	CYANO_C	AP	Spring1	3407456	55.4	Fair
TF4.2	CYANO_C	AP	Spring2	4387514	43.5	Fair
TF4.2	CYANO_C	AP	Summer1	6068618	19.1	Good
TF4.2	CYANO_C	AP	Summer2	4851074	14.7	Good
TF4.2	CYANO_C	AP	Winter	7771850	70	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
TF4.2	CYANO_C	BP	Annual	6132742	54.8	Fair
TF4.2	CYANO_C	BP	Fall	3042001	64.3	Poor
TF4.2	CYANO_C	BP	SAV1	6066250	57.9	Poor
TF4.2	CYANO_C	BP	SAV2	8800082	45.9	Fair
TF4.2	CYANO_C	BP	Spring1	4319232	57.4	Poor
TF4.2	CYANO_C	BP	Spring2	5760492	48.5	Fair
TF4.2	CYANO_C	BP	Summer1	9014627	27.1	Good
TF4.2	CYANO_C	BP	Summer2	9614531	26.1	Good
TF4.2	CYANO_C	BP	Winter	10748451	67.9	Poor
TF4.2	DIATOM_C	AP	Annual	158710000	35.2	Poor
TF4.2	DIATOM_C	AP	Fall	134650000	53.2	Fair
TF4.2	DIATOM_C	AP	SAV1	133170000	26.4	Poor
TF4.2	DIATOM_C	AP	SAV2	188720000	19.2	Poor
TF4.2	DIATOM_C	AP	Spring1	132140000	16.8	Poor
TF4.2	DIATOM_C	AP	Spring2	133170000	10.9	Poor
TF4.2	DIATOM_C	AP	Summer1	218180000	21.5	Poor
TF4.2	DIATOM_C	AP	Summer2	245040000	26.2	Poor
TF4.2	DIATOM_C	AP	Winter	141280000	23.9	Poor
TF4.2	DIATOM_C	BP	Annual	231600000	33.5	Poor
TF4.2	DIATOM_C	BP	Fall	102070000	34.8	Poor
TF4.2	DIATOM_C	BP	SAV1	250460000	34.2	Poor
TF4.2	DIATOM_C	BP	SAV2	374540000	29.4	Poor
TF4.2	DIATOM_C	BP	Spring1	292720000	25.9	Poor
TF4.2	DIATOM_C	BP	Spring2	374540000	24.1	Poor
TF4.2	DIATOM_C	BP	Summer1	312500000	24.5	Poor
TF4.2	DIATOM_C	BP	Summer2	250460000	25	Poor
TF4.2	DIATOM_C	BP	Winter	123250000	43.9	Fair
TF4.2	DINOFL_C	AP	Annual	269477	77.7	Poor
TF4.2	DINOFL_C	AP	Fall	27274	86.8	Poor
TF4.2	DINOFL_C	AP	SAV1	27274	77	Poor
TF4.2	DINOFL_C	AP	SAV2	974479	77	Poor
TF4.2	DINOFL_C	AP	Spring1	0	20.2	Good
TF4.2	DINOFL_C	AP	Spring2	610620	75.7	Poor
TF4.2	DINOFL_C	AP	Summer1	1727812	69.9	Poor
TF4.2	DINOFL_C	AP	Summer2	1435740	67.3	Poor
TF4.2	DINOFL_C	AP	Winter	8153971	78.4	Poor
TF4.2	DINOFL_C	BP	Annual	327132	82.2	Poor
TF4.2	DINOFL_C	BP	Fall	258399	90.2	Poor
TF4.2	DINOFL_C	BP	SAV1	1339617	88.1	Poor
TF4.2	DINOFL_C	BP	SAV2	970286	83.1	Poor
TF4.2	DINOFL_C	BP	Spring1	970286	89.9	Poor
TF4.2	DINOFL_C	BP	Spring2	970286	87.1	Poor
TF4.2	DINOFL_C	BP	Summer1	1006593	75.6	Poor
TF4.2	DINOFL_C	BP	Summer2	1617321	75.4	Poor
TF4.2	DINOFL_C	BP	Winter	68867	68.8	Poor
TF4.2	MARGALEF	AP	Annual	1.65	20.3	Poor
TF4.2	MARGALEF	AP	Fall	1.64	33.1	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
TF4.2	MARGALEF	AP	SAV1	1.65	24.8	Poor
TF4.2	MARGALEF	AP	SAV2	1.71	17.6	Poor
TF4.2	MARGALEF	AP	Spring1	1.43	11.5	Poor
TF4.2	MARGALEF	AP	Spring2	1.55	12.5	Poor
TF4.2	MARGALEF	AP	Summer1	1.76	13.8	Poor
TF4.2	MARGALEF	AP	Summer2	2.13	31.8	Poor
TF4.2	MARGALEF	AP	Winter	2.21	67.7	Good
TF4.2	MARGALEF	BP	Annual	1.67	23.4	Poor
TF4.2	MARGALEF	BP	Fall	1.60	29.7	Poor
TF4.2	MARGALEF	BP	SAV1	1.65	27	Poor
TF4.2	MARGALEF	BP	SAV2	1.68	16.6	Poor
TF4.2	MARGALEF	BP	Spring1	1.66	31.3	Poor
TF4.2	MARGALEF	BP	Spring2	1.53	15.3	Poor
TF4.2	MARGALEF	BP	Summer1	1.96	20.6	Poor
TF4.2	MARGALEF	BP	Summer2	2.08	26.3	Poor
TF4.2	MARGALEF	BP	Winter	1.73	37.5	Poor
TF4.2	PICO_C	AP	Annual	44168000	60.4	Poor
TF4.2	PICO_C	AP	Fall	22560000	45.7	Fair
TF4.2	PICO_C	AP	SAV1	46239999	56.9	Poor
TF4.2	PICO_C	AP	SAV2	126960000	64.9	Poor
TF4.2	PICO_C	AP	Spring1	10547712	27.5	Good
TF4.2	PICO_C	AP	Spring2	42096000	45.4	Fair
TF4.2	PICO_C	AP	Summer1	152990000	38.2	Good
TF4.2	PICO_C	AP	Summer2	156700000	44.7	Fair
TF4.2	PICO_C	AP	Winter	2217600	38.1	Good
TF4.2	PICO_C	BP	Annual	57336000	70.9	Poor
TF4.2	PICO_C	BP	Fall	21360000	49.3	Fair
TF4.2	PICO_C	BP	SAV1	55872000	74.3	Poor
TF4.2	PICO_C	BP	SAV2	130110000	70.6	Poor
TF4.2	PICO_C	BP	Spring1	8709120	48.7	Fair
TF4.2	PICO_C	BP	Spring2	58800000	67.1	Poor
TF4.2	PICO_C	BP	Summer1	148870000	43.3	Fair
TF4.2	PICO_C	BP	Summer2	154080000	48.3	Fair
TF4.2	PICO_C	BP	Winter	3356550	50.9	Fair
TF4.2	PROCAR_C	AP	Annual	0.020	33.5	Good
TF4.2	PROCAR_C	AP	Fall	0.010	32.4	Good
TF4.2	PROCAR_C	AP	SAV1	0.020	34	Good
TF4.2	PROCAR_C	AP	SAV2	0.020	31.5	Good
TF4.2	PROCAR_C	AP	Spring1	0.020	34.9	Good
TF4.2	PROCAR_C	AP	Spring2	0.020	35.3	Good
TF4.2	PROCAR_C	AP	Summer1	0.020	29	Good
TF4.2	PROCAR_C	AP	Summer2	0.020	27.5	Good
TF4.2	PROCAR_C	AP	Winter	0.050	37.1	Good
TF4.2	PROCAR_C	BP	Annual	0.020	33.5	Good
TF4.2	PROCAR_C	BP	Fall	0.020	32.5	Good
TF4.2	PROCAR_C	BP	SAV1	0.020	35.6	Good
TF4.2	PROCAR_C	BP	SAV2	0.020	32.1	Good

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
TF4.2	PROCAR_C	BP	Spring1	0.010	34.9	Good
TF4.2	PROCAR_C	BP	Spring2	0.010	34.6	Good
TF4.2	PROCAR_C	BP	Summer1	0.020	28.1	Good
TF4.2	PROCAR_C	BP	Summer2	0.020	27.5	Good
TF4.2	PROCAR_C	BP	Winter	0.050	40	Fair
TF4.2	RATIO	AP	Annual	48.820	25.7	Poor
TF4.2	RATIO	AP	Fall	49.570	33.5	Poor
TF4.2	RATIO	AP	SAV1	51.070	25	Poor
TF4.2	RATIO	AP	SAV2	49.570	28.3	Poor
TF4.2	RATIO	AP	Spring1	61.510	23.5	Poor
TF4.2	RATIO	AP	Spring2	61.510	24.1	Poor
TF4.2	RATIO	AP	Summer1	40.050	27	Poor
TF4.2	RATIO	AP	Summer2	45.020	34.7	Poor
TF4.2	RATIO	AP	Winter	47.430	15.6	Poor
TF4.2	RATIO	BP	Annual	43.720	24.2	Poor
TF4.2	RATIO	BP	Fall	42.290	29	Poor
TF4.2	RATIO	BP	SAV1	45.150	23.1	Poor
TF4.2	RATIO	BP	SAV2	45.150	25.5	Poor
TF4.2	RATIO	BP	Spring1	63.410	22.7	Poor
TF4.2	RATIO	BP	Spring2	61.480	24	Poor
TF4.2	RATIO	BP	Summer1	39.390	25.4	Poor
TF4.2	RATIO	BP	Summer2	37.360	29	Poor
TF4.2	RATIO	BP	Winter	32.810	22.8	Poor
TF4.2	TOTBMASS	AP	Annual	229070000	18.5	Poor
TF4.2	TOTBMASS	AP	Fall	155260000	23.8	Poor
TF4.2	TOTBMASS	AP	SAV1	181360000	13	Poor
TF4.2	TOTBMASS	AP	SAV2	247620000	13.8	Poor
TF4.2	TOTBMASS	AP	Spring1	153480000	10	Poor
TF4.2	TOTBMASS	AP	Spring2	196790000	9.2	Poor
TF4.2	TOTBMASS	AP	Summer1	341880000	17.6	Poor
TF4.2	TOTBMASS	AP	Summer2	412160000	21.3	Poor
TF4.2	TOTBMASS	AP	Winter	256700000	25.8	Poor
TF4.2	TOTBMASS	BP	Annual	337930000	29.8	Poor
TF4.2	TOTBMASS	BP	Fall	166940000	35.3	Poor
TF4.2	TOTBMASS	BP	SAV1	346340000	30.6	Poor
TF4.2	TOTBMASS	BP	SAV2	559740000	23.6	Poor
TF4.2	TOTBMASS	BP	Spring1	346340000	19.2	Poor
TF4.2	TOTBMASS	BP	Spring2	456120000	17.9	Poor
TF4.2	TOTBMASS	BP	Summer1	657610000	24.4	Poor
TF4.2	TOTBMASS	BP	Summer2	559740000	23.6	Poor
TF4.2	TOTBMASS	BP	Winter	171080000	38.7	Poor
RET4.3	CHLORO_C	AP	Annual	9816952	88	Good
RET4.3	CHLORO_C	AP	Fall	6576247	91	Good
RET4.3	CHLORO_C	AP	SAV1	10166989	87.6	Good
RET4.3	CHLORO_C	AP	SAV2	10166989	86.5	Good
RET4.3	CHLORO_C	AP	Spring1	13641811	81.4	Good
RET4.3	CHLORO_C	AP	Spring2	44449546	84.8	Good

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
RET4.3	CHLORO_C	AP	Winter	11420782	90.7	Good
RET4.3	CHLORO_C	BP	Annual	7497004	90.4	Good
RET4.3	CHLORO_C	BP	Fall	2756203	92.8	Good
RET4.3	CHLORO_C	BP	SAV1	7066356	89.3	Good
RET4.3	CHLORO_C	BP	SAV2	13489115	90.1	Good
RET4.3	CHLORO_C	BP	Spring1	99102822	90.6	Good
RET4.3	CHLORO_C	BP	Spring2	99102822	90.1	Good
RET4.3	CHLORO_C	BP	Winter	8830124	88	Good
RET4.3	CYANO	AP	Annual	1866906	68.6	Poor
RET4.3	CYANO	AP	Fall	2211584	79.1	Poor
RET4.3	CYANO	AP	SAV1	1744691	70.6	Poor
RET4.3	CYANO	AP	SAV2	2211584	57.6	Fair
RET4.3	CYANO	AP	Spring1	685414	64.5	Poor
RET4.3	CYANO	AP	Spring2	1359500	55.4	Fair
RET4.3	CYANO	AP	Summer1	2353361	47.2	Fair
RET4.3	CYANO	AP	Summer2	2330112	41.6	Fair
RET4.3	CYANO	AP	Winter	747750	72.5	Poor
RET4.3	CYANO	BP	Annual	1644595	73.2	Poor
RET4.3	CYANO	BP	Fall	469597	73.6	Poor
RET4.3	CYANO	BP	SAV1	1142170	73	Poor
RET4.3	CYANO	BP	SAV2	2012365	67.5	Poor
RET4.3	CYANO	BP	Spring1	2349934	78.4	Poor
RET4.3	CYANO	BP	Spring2	3478733	77.5	Poor
RET4.3	CYANO	BP	Summer1	3031575	67.9	Poor
RET4.3	CYANO	BP	Summer2	2012365	61.4	Poor
RET4.3	CYANO	BP	Winter	1797129	79.6	Poor
RET4.3	CYANO_C	AP	Annual	8175130	59.3	Poor
RET4.3	CYANO_C	AP	Fall	5748449	70.7	Poor
RET4.3	CYANO_C	AP	SAV1	5209149	59.7	Poor
RET4.3	CYANO_C	AP	SAV2	13865085	48.9	Fair
RET4.3	CYANO_C	AP	Spring1	5209149	59.1	Poor
RET4.3	CYANO_C	AP	Spring2	9295579	39.3	Good
RET4.3	CYANO_C	AP	Summer1	23843666	45.2	Fair
RET4.3	CYANO_C	AP	Summer2	27673295	51.1	Fair
RET4.3	CYANO_C	AP	Winter	5335217	66.5	Poor
RET4.3	CYANO_C	BP	Annual	9665412	65.4	Poor
RET4.3	CYANO_C	BP	Fall	3609027	71.6	Poor
RET4.3	CYANO_C	BP	SAV1	9096530	69.8	Poor
RET4.3	CYANO_C	BP	SAV2	14051041	57.7	Poor
RET4.3	CYANO_C	BP	Spring1	13379666	71.5	Poor
RET4.3	CYANO_C	BP	Spring2	23888179	57.5	Fair
RET4.3	CYANO_C	BP	Summer1	24166194	54.3	Fair
RET4.3	CYANO_C	BP	Summer2	14051041	55.2	Fair
RET4.3	CYANO_C	BP	Winter	6954984	68.9	Poor
RET4.3	DIATOM_C	AP	Annual	549320000	60.7	Good
RET4.3	DIATOM_C	AP	Fall	430520000	67	Good
RET4.3	DIATOM_C	AP	SAV1	589080000	60.5	Good

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
RET4.3	DIATOM_C	AP	SAV2	363960000	55.4	Fair
RET4.3	DIATOM_C	AP	Spring1	724040000	54.3	Fair
RET4.3	DIATOM_C	AP	Spring2	363960000	50.1	Fair
RET4.3	DIATOM_C	AP	Summer1	436760000	56.6	Fair
RET4.3	DIATOM_C	AP	Summer2	509560000	58.3	Good
RET4.3	DIATOM_C	AP	Winter	886270000	71.3	Good
RET4.3	DIATOM_C	BP	Annual	693030000	63.4	Good
RET4.3	DIATOM_C	BP	Fall	362250000	64.1	Good
RET4.3	DIATOM_C	BP	SAV1	712320000	62.1	Good
RET4.3	DIATOM_C	BP	SAV2	712320000	63.5	Good
RET4.3	DIATOM_C	BP	Spring1	744810000	49.4	Fair
RET4.3	DIATOM_C	BP	Spring2	744810000	55	Fair
RET4.3	DIATOM_C	BP	Summer1	878280000	67.9	Good
RET4.3	DIATOM_C	BP	Summer2	795100000	68.1	Good
RET4.3	DIATOM_C	BP	Winter	781310000	58.2	Fair
RET4.3	DINOFL_C	AP	Annual	59452472	66.2	Poor
RET4.3	DINOFL_C	AP	Fall	10961605	60.5	Poor
RET4.3	DINOFL_C	AP	SAV1	67012444	71.1	Poor
RET4.3	DINOFL_C	AP	SAV2	28522817	53.2	Fair
RET4.3	DINOFL_C	AP	Spring1	119480000	75.1	Poor
RET4.3	DINOFL_C	AP	Spring2	145850000	71.8	Poor
RET4.3	DINOFL_C	AP	Summer1	27265766	39.7	Good
RET4.3	DINOFL_C	AP	Summer2	16401889	36.6	Good
RET4.3	DINOFL_C	AP	Winter	61040053	71.7	Poor
RET4.3	DINOFL_C	BP	Annual	11817260	65.2	Poor
RET4.3	DINOFL_C	BP	Fall	5642051	70.3	Poor
RET4.3	DINOFL_C	BP	SAV1	7400125	64.1	Poor
RET4.3	DINOFL_C	BP	SAV2	11796900	63.5	Poor
RET4.3	DINOFL_C	BP	Spring1	18122056	63.7	Poor
RET4.3	DINOFL_C	BP	Spring2	18122056	63.7	Poor
RET4.3	DINOFL_C	BP	Summer1	37966299	71.4	Poor
RET4.3	DINOFL_C	BP	Summer2	4322685	52.4	Fair
RET4.3	DINOFL_C	BP	Winter	102920000	74.6	Poor
RET4.3	MARGALEF	AP	Annual	1.76	53.1	Fair
RET4.3	MARGALEF	AP	Fall	1.77	71.1	Good
RET4.3	MARGALEF	AP	SAV1	1.76	70.6	Good
RET4.3	MARGALEF	AP	SAV2	1.66	49.4	Fair
RET4.3	MARGALEF	AP	Spring1	1.88	80.3	Good
RET4.3	MARGALEF	AP	Spring2	1.88	77.8	Good
RET4.3	MARGALEF	AP	Summer1	1.64	29.4	Poor
RET4.3	MARGALEF	AP	Summer2	1.61	27.4	Poor
RET4.3	MARGALEF	AP	Winter	1.62	17.9	Poor
RET4.3	MARGALEF	BP	Annual	1.75	46.6	Fair
RET4.3	MARGALEF	BP	Fall	1.86	64.1	Good
RET4.3	MARGALEF	BP	SAV1	1.52	28.4	Poor
RET4.3	MARGALEF	BP	SAV2	1.52	32.8	Poor
RET4.3	MARGALEF	BP	Spring1	1.52	27.6	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
RET4.3	MARGALEF	BP	Spring2	1.58	43.3	Fair
RET4.3	MARGALEF	BP	Summer1	1.66	43.9	Fair
RET4.3	MARGALEF	BP	Summer2	1.46	27.7	Poor
RET4.3	MARGALEF	BP	Winter	2.26	56	Fair
RET4.3	PICO_C	AP	Annual	47270250	59.7	Poor
RET4.3	PICO_C	AP	Fall	27840000	41.8	Fair
RET4.3	PICO_C	AP	SAV1	27840000	53.9	Fair
RET4.3	PICO_C	AP	SAV2	91440000	52	Fair
RET4.3	PICO_C	AP	Spring1	4677120	50.8	Fair
RET4.3	PICO_C	AP	Spring2	25320093	57	Poor
RET4.3	PICO_C	AP	Summer1	201350000	37	Good
RET4.3	PICO_C	AP	Summer2	239900000	50	Fair
RET4.3	PICO_C	AP	Winter	4676460	57.2	Fair
RET4.3	PICO_C	BP	Annual	42950306	61.9	Poor
RET4.3	PICO_C	BP	Fall	36960000	57.9	Fair
RET4.3	PICO_C	BP	SAV1	36960000	63.6	Poor
RET4.3	PICO_C	BP	SAV2	86160000	55.8	Fair
RET4.3	PICO_C	BP	Spring1	6235500	57.6	Poor
RET4.3	PICO_C	BP	Spring2	45388613	71.9	Poor
RET4.3	PICO_C	BP	Summer1	164570000	37.1	Good
RET4.3	PICO_C	BP	Summer2	169550000	42	Fair
RET4.3	PICO_C	BP	Winter	6535110	65.9	Poor
RET4.3	PROCAR_C	AP	Annual	0.010	30.2	Good
RET4.3	PROCAR_C	AP	Fall	0.010	33.2	Good
RET4.3	PROCAR_C	AP	SAV1	0.010	31.1	Good
RET4.3	PROCAR_C	AP	SAV2	0.020	27.8	Good
RET4.3	PROCAR_C	AP	Spring1	0.010	31.6	Good
RET4.3	PROCAR_C	AP	Spring2	0.010	27.5	Good
RET4.3	PROCAR_C	AP	Summer1	0.020	26.3	Good
RET4.3	PROCAR_C	AP	Summer2	0.030	27.9	Good
RET4.3	PROCAR_C	AP	Winter	0.010	30.5	Good
RET4.3	PROCAR_C	BP	Annual	0.010	31.7	Good
RET4.3	PROCAR_C	BP	Fall	0.010	35	Good
RET4.3	PROCAR_C	BP	SAV1	0.010	33.1	Good
RET4.3	PROCAR_C	BP	SAV2	0.010	29	Good
RET4.3	PROCAR_C	BP	Spring1	0.010	33.2	Good
RET4.3	PROCAR_C	BP	Spring2	0.020	29.8	Good
RET4.3	PROCAR_C	BP	Summer1	0.010	26.9	Good
RET4.3	PROCAR_C	BP	Summer2	0.010	27.6	Good
RET4.3	PROCAR_C	BP	Winter	0.000	34.1	Good
RET4.3	RATIO	AP	Annual	43.600	16.8	Poor
RET4.3	RATIO	AP	Fall	45.660	27.2	Poor
RET4.3	RATIO	AP	SAV1	41.680	17.3	Poor
RET4.3	RATIO	AP	SAV2	37.390	11.4	Poor
RET4.3	RATIO	AP	Spring1	44.430	11.1	Poor
RET4.3	RATIO	AP	Spring2	44.430	7.5	Poor
RET4.3	RATIO	AP	Summer1	35.530	9.8	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
RET4.3	RATIO	AP	Summer2	31.640	12	Poor
RET4.3	RATIO	AP	Winter	78.290	37.4	Poor
RET4.3	RATIO	BP	Annual	48.760	16.7	Poor
RET4.3	RATIO	BP	Fall	53.450	30.7	Poor
RET4.3	RATIO	BP	SAV1	42.530	15.7	Poor
RET4.3	RATIO	BP	SAV2	39.090	8.9	Poor
RET4.3	RATIO	BP	Spring1	46.220	10	Poor
RET4.3	RATIO	BP	Spring2	51.300	7.3	Poor
RET4.3	RATIO	BP	Summer1	39.630	8.1	Poor
RET4.3	RATIO	BP	Summer2	33.220	9.2	Poor
RET4.3	RATIO	BP	Winter	83.950	33.2	Poor
RET4.3	TOTBMASS	AP	Annual	964210000	40.4	Poor
RET4.3	TOTBMASS	AP	Fall	535800000	46.7	Fair
RET4.3	TOTBMASS	AP	SAV1	839160000	40	Poor
RET4.3	TOTBMASS	AP	SAV2	890210000	31.1	Poor
RET4.3	TOTBMASS	AP	Spring1	1007000000	29	Poor
RET4.3	TOTBMASS	AP	Spring2	1121800000	24.8	Poor
RET4.3	TOTBMASS	AP	Summer1	991070000	31	Poor
RET4.3	TOTBMASS	AP	Summer2	890210000	33.1	Poor
RET4.3	TOTBMASS	AP	Winter	1141600000	43.7	Fair
RET4.3	TOTBMASS	BP	Annual	1055600000	52.1	Fair
RET4.3	TOTBMASS	BP	Fall	411850000	52.2	Fair
RET4.3	TOTBMASS	BP	SAV1	899920000	51	Fair
RET4.3	TOTBMASS	BP	SAV2	1012600000	45.4	Fair
RET4.3	TOTBMASS	BP	Spring1	1154500000	35.9	Poor
RET4.3	TOTBMASS	BP	Spring2	1086600000	34.1	Poor
RET4.3	TOTBMASS	BP	Summer1	1223200000	51.5	Fair
RET4.3	TOTBMASS	BP	Summer2	1024700000	51	Fair
RET4.3	TOTBMASS	BP	Winter	1347100000	45.4	Fair
WE4.2	CHLORO_C	AP	Annual	24850	74.6	Good
WE4.2	CHLORO_C	AP	Fall	1462	50.5	Fair
WE4.2	CHLORO_C	AP	SAV1	23388	63.1	Good
WE4.2	CHLORO_C	AP	SAV2	41399	71.9	Good
WE4.2	CHLORO_C	AP	Spring1	70513	59.7	Good
WE4.2	CHLORO_C	AP	Spring2	278207	66.2	Good
WE4.2	CHLORO_C	AP	Winter	4385	78.8	Good
WE4.2	CHLORO_C	BP	Annual	627839	88.7	Good
WE4.2	CHLORO_C	BP	Fall	0	24.8	Poor
WE4.2	CHLORO_C	BP	SAV1	464425	87	Good
WE4.2	CHLORO_C	BP	SAV2	801764	88.6	Good
WE4.2	CHLORO_C	BP	Spring1	1648996	78.6	Good
WE4.2	CHLORO_C	BP	Spring2	1648996	81.3	Good
WE4.2	CHLORO_C	BP	Winter	641208	88.2	Good
WE4.2	CYANO	AP	Annual	283229	82.8	Poor
WE4.2	CYANO	AP	Fall	138698	87.9	Poor
WE4.2	CYANO	AP	SAV1	287616	82.8	Poor
WE4.2	CYANO	AP	SAV2	316051	77.6	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
WE4.2	CYANO	AP	Spring1	528467	85.1	Poor
WE4.2	CYANO	AP	Spring2	468435	83.2	Poor
WE4.2	CYANO	AP	Summer1	320200	76.7	Poor
WE4.2	CYANO	AP	Summer2	283229	74.3	Poor
WE4.2	CYANO	AP	Winter	312087	90.9	Poor
WE4.2	CYANO	BP	Annual	298221	88.2	Poor
WE4.2	CYANO	BP	Fall	311002	91.2	Poor
WE4.2	CYANO	BP	SAV1	305722	86.9	Poor
WE4.2	CYANO	BP	SAV2	209933	83.5	Poor
WE4.2	CYANO	BP	Spring1	376205	85.6	Poor
WE4.2	CYANO	BP	Spring2	339788	85.1	Poor
WE4.2	CYANO	BP	Summer1	170496	82.3	Poor
WE4.2	CYANO	BP	Summer2	170496	81.2	Poor
WE4.2	CYANO	BP	Winter	498483	95.4	Poor
WE4.2	CYANO_C	AP	Annual	1724201	79.7	Poor
WE4.2	CYANO_C	AP	Fall	1054107	89.3	Poor
WE4.2	CYANO_C	AP	SAV1	1751846	79.9	Poor
WE4.2	CYANO_C	AP	SAV2	1756766	74	Poor
WE4.2	CYANO_C	AP	Spring1	3200161	79.4	Poor
WE4.2	CYANO_C	AP	Spring2	2707075	74.4	Poor
WE4.2	CYANO_C	AP	Summer1	1756766	71.8	Poor
WE4.2	CYANO_C	AP	Summer2	1751846	71.6	Poor
WE4.2	CYANO_C	AP	Winter	1739366	85.1	Poor
WE4.2	CYANO_C	BP	Annual	2039292	84.6	Poor
WE4.2	CYANO_C	BP	Fall	1918968	89.8	Poor
WE4.2	CYANO_C	BP	SAV1	2261614	84.2	Poor
WE4.2	CYANO_C	BP	SAV2	1310707	78	Poor
WE4.2	CYANO_C	BP	Spring1	2390085	81.3	Poor
WE4.2	CYANO_C	BP	Spring2	2303620	78.5	Poor
WE4.2	CYANO_C	BP	Summer1	1295770	78.1	Poor
WE4.2	CYANO_C	BP	Summer2	1295770	77.8	Poor
WE4.2	CYANO_C	BP	Winter	2804122	92.1	Poor
WE4.2	DIATOM_C	AP	Annual	230280000	51.3	Fair
WE4.2	DIATOM_C	AP	Fall	127570000	58.3	Good
WE4.2	DIATOM_C	AP	SAV1	125190000	36.7	Poor
WE4.2	DIATOM_C	AP	SAV2	284180000	59.8	Good
WE4.2	DIATOM_C	AP	Spring1	173220000	14.8	Poor
WE4.2	DIATOM_C	AP	Spring2	349080000	40.5	Poor
WE4.2	DIATOM_C	AP	Summer1	335110000	70.3	Good
WE4.2	DIATOM_C	AP	Summer2	238650000	63.7	Good
WE4.2	DIATOM_C	AP	Winter	400010000	37.8	Poor
WE4.2	DIATOM_C	BP	Annual	300460000	56.5	Good
WE4.2	DIATOM_C	BP	Fall	244320000	71	Good
WE4.2	DIATOM_C	BP	SAV1	246540000	47.1	Fair
WE4.2	DIATOM_C	BP	SAV2	280260000	58.2	Good
WE4.2	DIATOM_C	BP	Spring1	264500000	22.7	Poor
WE4.2	DIATOM_C	BP	Spring2	291080000	39.1	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
WE4.2	DIATOM_C	BP	Summer1	366410000	78.7	Good
WE4.2	DIATOM_C	BP	Summer2	311230000	75	Good
WE4.2	DIATOM_C	BP	Winter	413080000	31.9	Poor
WE4.2	DINOFL_C	AP	Annual	61410150	54.5	Fair
WE4.2	DINOFL_C	AP	Fall	30462303	47.3	Fair
WE4.2	DINOFL_C	AP	SAV1	37570360	51.8	Fair
WE4.2	DINOFL_C	AP	SAV2	109120000	60.1	Poor
WE4.2	DINOFL_C	AP	Spring1	107570000	66.3	Poor
WE4.2	DINOFL_C	AP	Spring2	107570000	59.3	Poor
WE4.2	DINOFL_C	AP	Summer1	122240000	60	Poor
WE4.2	DINOFL_C	AP	Summer2	134710000	64.5	Poor
WE4.2	DINOFL_C	AP	Winter	47590139	59.2	Poor
WE4.2	DINOFL_C	BP	Annual	56228001	66.4	Poor
WE4.2	DINOFL_C	BP	Fall	19914079	62.8	Poor
WE4.2	DINOFL_C	BP	SAV1	33892487	64.1	Poor
WE4.2	DINOFL_C	BP	SAV2	38095276	59.1	Poor
WE4.2	DINOFL_C	BP	Spring1	100480000	65.8	Poor
WE4.2	DINOFL_C	BP	Spring2	43338350	55.8	Fair
WE4.2	DINOFL_C	BP	Summer1	38450540	61.2	Poor
WE4.2	DINOFL_C	BP	Summer2	38095276	62.4	Poor
WE4.2	DINOFL_C	BP	Winter	114210000	72	Poor
WE4.2	MARGALEF	AP	Annual	2.56	54.2	Fair
WE4.2	MARGALEF	AP	Fall	2.42	37	Poor
WE4.2	MARGALEF	AP	SAV1	2.52	50.8	Fair
WE4.2	MARGALEF	AP	SAV2	2.64	63.2	Good
WE4.2	MARGALEF	AP	Spring1	2.77	75.1	Good
WE4.2	MARGALEF	AP	Spring2	2.77	78.9	Good
WE4.2	MARGALEF	AP	Summer1	2.53	64.2	Good
WE4.2	MARGALEF	AP	Summer2	2.56	66	Good
WE4.2	MARGALEF	AP	Winter	3.02	56.6	Fair
WE4.2	MARGALEF	BP	Annual	2.73	57.4	Fair
WE4.2	MARGALEF	BP	Fall	2.59	46.4	Fair
WE4.2	MARGALEF	BP	SAV1	2.66	45.1	Fair
WE4.2	MARGALEF	BP	SAV2	2.74	63.3	Good
WE4.2	MARGALEF	BP	Spring1	2.67	38.9	Poor
WE4.2	MARGALEF	BP	Spring2	2.80	73.2	Good
WE4.2	MARGALEF	BP	Summer1	2.65	71.4	Good
WE4.2	MARGALEF	BP	Summer2	2.57	65.6	Good
WE4.2	MARGALEF	BP	Winter	2.76	62.9	Good
WE4.2	PICO_C	AP	Annual	70521000	59.9	Poor
WE4.2	PICO_C	AP	Fall	58120500	70	Poor
WE4.2	PICO_C	AP	SAV1	70521000	68.7	Poor
WE4.2	PICO_C	AP	SAV2	285110000	68.1	Poor
WE4.2	PICO_C	AP	Spring1	30067894	77.1	Poor
WE4.2	PICO_C	AP	Spring2	221760000	77.3	Poor
WE4.2	PICO_C	AP	Summer1	512280000	62.3	Poor
WE4.2	PICO_C	AP	Summer2	517920000	63.6	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
WE4.2	PICO_C	AP	Winter	8592000	53.3	Fair
WE4.2	PICO_C	BP	Annual	84415500	60.2	Poor
WE4.2	PICO_C	BP	Fall	43632000	66.7	Poor
WE4.2	PICO_C	BP	SAV1	52399500	62.6	Poor
WE4.2	PICO_C	BP	SAV2	301780000	77.4	Poor
WE4.2	PICO_C	BP	Spring1	23908200	72.2	Poor
WE4.2	PICO_C	BP	Spring2	123670000	70.4	Poor
WE4.2	PICO_C	BP	Summer1	352140000	69.1	Poor
WE4.2	PICO_C	BP	Summer2	358800000	71.2	Poor
WE4.2	PICO_C	BP	Winter	11400000	59.5	Poor
WE4.2	PROCAR_C	AP	Annual	0.000	38.7	Good
WE4.2	PROCAR_C	AP	Fall	0.000	41.1	Good
WE4.2	PROCAR_C	AP	SAV1	0.010	39.6	Good
WE4.2	PROCAR_C	AP	SAV2	0.000	35.8	Good
WE4.2	PROCAR_C	AP	Spring1	0.010	42.1	Good
WE4.2	PROCAR_C	AP	Spring2	0.010	38.6	Good
WE4.2	PROCAR_C	AP	Summer1	0.000	33.3	Good
WE4.2	PROCAR_C	AP	Summer2	0.000	32.9	Good
WE4.2	PROCAR_C	AP	Winter	0.000	45.5	Fair
WE4.2	PROCAR_C	BP	Annual	0.000	40.2	Good
WE4.2	PROCAR_C	BP	Fall	0.010	41.8	Fair
WE4.2	PROCAR_C	BP	SAV1	0.010	40.6	Good
WE4.2	PROCAR_C	BP	SAV2	0.000	37.9	Good
WE4.2	PROCAR_C	BP	Spring1	0.000	42.1	Good
WE4.2	PROCAR_C	BP	Spring2	0.000	39.7	Good
WE4.2	PROCAR_C	BP	Summer1	0.000	36.7	Good
WE4.2	PROCAR_C	BP	Summer2	0.000	36.7	Good
WE4.2	PROCAR_C	BP	Winter	0.010	44.5	Fair
WE4.2	RATIO	AP	Annual	74.170	28.5	Poor
WE4.2	RATIO	AP	Fall	71.060	39.7	Poor
WE4.2	RATIO	AP	SAV1	53.440	17.3	Poor
WE4.2	RATIO	AP	SAV2	91.290	32.6	Poor
WE4.2	RATIO	AP	Spring1	65.400	13.3	Poor
WE4.2	RATIO	AP	Spring2	91.980	23.4	Poor
WE4.2	RATIO	AP	Summer1	81.910	30	Poor
WE4.2	RATIO	AP	Summer2	69.370	22.1	Poor
WE4.2	RATIO	AP	Winter	79.200	31.3	Poor
WE4.2	RATIO	BP	Annual	104.470	43.4	Fair
WE4.2	RATIO	BP	Fall	108.800	64.3	Good
WE4.2	RATIO	BP	SAV1	97.470	35.3	Poor
WE4.2	RATIO	BP	SAV2	93.650	30.2	Poor
WE4.2	RATIO	BP	Spring1	97.470	19.1	Poor
WE4.2	RATIO	BP	Spring2	95.560	22.9	Poor
WE4.2	RATIO	BP	Summer1	98.600	44.6	Fair
WE4.2	RATIO	BP	Summer2	94.170	42.9	Fair
WE4.2	RATIO	BP	Winter	155.790	59.5	Good
WE4.2	TOTBMASS	AP	Annual	424240000	32.8	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
WE4.2	TOTBMASS	AP	Fall	189660000	32.4	Poor
WE4.2	TOTBMASS	AP	SAV1	204240000	17.8	Poor
WE4.2	TOTBMASS	AP	SAV2	466090000	30.7	Poor
WE4.2	TOTBMASS	AP	Spring1	361230000	14.7	Poor
WE4.2	TOTBMASS	AP	Spring2	488350000	21.4	Poor
WE4.2	TOTBMASS	AP	Summer1	580410000	42.8	Fair
WE4.2	TOTBMASS	AP	Summer2	492720000	37.7	Poor
WE4.2	TOTBMASS	AP	Winter	461210000	34.4	Poor
WE4.2	TOTBMASS	BP	Annual	464150000	51.1	Fair
WE4.2	TOTBMASS	BP	Fall	286390000	62.8	Good
WE4.2	TOTBMASS	BP	SAV1	361350000	39.4	Poor
WE4.2	TOTBMASS	BP	SAV2	383430000	47.2	Fair
WE4.2	TOTBMASS	BP	Spring1	404080000	19	Poor
WE4.2	TOTBMASS	BP	Spring2	533590000	31.3	Poor
WE4.2	TOTBMASS	BP	Summer1	569310000	72.2	Good
WE4.2	TOTBMASS	BP	Summer2	462000000	66.1	Good
WE4.2	TOTBMASS	BP	Winter	483250000	33.6	Poor
TF3.3	CHLORO_C	AP	Annual	108020000	74	Good
TF3.3	CHLORO_C	AP	Fall	77718553	73.2	Good
TF3.3	CHLORO_C	AP	SAV1	153180000	74.9	Good
TF3.3	CHLORO_C	AP	SAV2	167650000	73	Good
TF3.3	CHLORO_C	AP	Spring1	108020000	74.2	Good
TF3.3	CHLORO_C	AP	Spring2	244310000	76.9	Good
TF3.3	CHLORO_C	AP	Winter	99935323	85.1	Good
TF3.3	CHLORO_C	BP	Annual	93823379	77	Good
TF3.3	CHLORO_C	BP	Fall	50396786	73.8	Good
TF3.3	CHLORO_C	BP	SAV1	50396786	72.8	Good
TF3.3	CHLORO_C	BP	SAV2	178080000	76.8	Good
TF3.3	CHLORO_C	BP	Spring1	93823379	78.3	Good
TF3.3	CHLORO_C	BP	Spring2	190320000	79.8	Good
TF3.3	CHLORO_C	BP	Winter	144550000	90.1	Good
TF3.3	CYANO	AP	Annual	11634483	75.6	Poor
TF3.3	CYANO	AP	Fall	11634483	79.2	Poor
TF3.3	CYANO	AP	SAV1	6361088	71.6	Poor
TF3.3	CYANO	AP	SAV2	17809780	75.9	Poor
TF3.3	CYANO	AP	Spring1	6361088	78.3	Poor
TF3.3	CYANO	AP	Spring2	12102554	80.3	Poor
TF3.3	CYANO	AP	Summer1	28016640	75.3	Poor
TF3.3	CYANO	AP	Summer2	25923584	72.2	Poor
TF3.3	CYANO	AP	Winter	2585882	78.4	Poor
TF3.3	CYANO	BP	Annual	9248256	76.7	Poor
TF3.3	CYANO	BP	Fall	8555725	77.1	Poor
TF3.3	CYANO	BP	SAV1	7860697	75.8	Poor
TF3.3	CYANO	BP	SAV2	11863040	74.1	Poor
TF3.3	CYANO	BP	Spring1	4028006	77.5	Poor
TF3.3	CYANO	BP	Spring2	11593728	81.1	Poor
TF3.3	CYANO	BP	Summer1	19640832	72.7	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
TF3.3	CYANO	BP	Summer2	11863040	65.5	Poor
TF3.3	CYANO	BP	Winter	3364762	90.1	Poor
TF3.3	CYANO_C	AP	Annual	44811861	65.9	Poor
TF3.3	CYANO_C	AP	Fall	44072770	77.5	Poor
TF3.3	CYANO_C	AP	SAV1	35322644	65.5	Poor
TF3.3	CYANO_C	AP	SAV2	130530000	65	Poor
TF3.3	CYANO_C	AP	Spring1	35322644	66.6	Poor
TF3.3	CYANO_C	AP	Spring2	44811861	61	Poor
TF3.3	CYANO_C	AP	Summer1	168000000	62.1	Poor
TF3.3	CYANO_C	AP	Summer2	168160000	61.6	Poor
TF3.3	CYANO_C	AP	Winter	19859190	73.7	Poor
TF3.3	CYANO_C	BP	Annual	36604042	68.7	Poor
TF3.3	CYANO_C	BP	Fall	36306758	76.8	Poor
TF3.3	CYANO_C	BP	SAV1	36306758	69.6	Poor
TF3.3	CYANO_C	BP	SAV2	53499396	64	Poor
TF3.3	CYANO_C	BP	Spring1	25489747	72	Poor
TF3.3	CYANO_C	BP	Spring2	44738806	69	Poor
TF3.3	CYANO_C	BP	Summer1	104770000	62.2	Poor
TF3.3	CYANO_C	BP	Summer2	84783171	59	Poor
TF3.3	CYANO_C	BP	Winter	10523484	73.4	Poor
TF3.3	DIATOM_C	AP	Annual	704960000	65.4	Good
TF3.3	DIATOM_C	AP	Fall	351600000	64	Good
TF3.3	DIATOM_C	AP	SAV1	1218600000	70.1	Good
TF3.3	DIATOM_C	AP	SAV2	1028900000	66.8	Good
TF3.3	DIATOM_C	AP	Spring1	546610000	58.6	Good
TF3.3	DIATOM_C	AP	Spring2	1243700000	66.6	Good
TF3.3	DIATOM_C	AP	Summer1	881860000	65.4	Good
TF3.3	DIATOM_C	AP	Summer2	706940000	63.8	Good
TF3.3	DIATOM_C	AP	Winter	249730000	60.1	Fair
TF3.3	DIATOM_C	BP	Annual	716870000	66.5	Good
TF3.3	DIATOM_C	BP	Fall	963020000	74.9	Good
TF3.3	DIATOM_C	BP	SAV1	1266300000	71.2	Good
TF3.3	DIATOM_C	BP	SAV2	1266300000	70.6	Good
TF3.3	DIATOM_C	BP	Spring1	1470800000	69.8	Good
TF3.3	DIATOM_C	BP	Spring2	2165700000	72.9	Good
TF3.3	DIATOM_C	BP	Summer1	653050000	62.4	Good
TF3.3	DIATOM_C	BP	Summer2	589240000	62.2	Good
TF3.3	DIATOM_C	BP	Winter	429110000	75.9	Good
TF3.3	DINOFL_C	AP	Annual	9620070	75.1	Poor
TF3.3	DINOFL_C	AP	Fall	1017457	70.1	Poor
TF3.3	DINOFL_C	AP	SAV1	4095314	73.2	Poor
TF3.3	DINOFL_C	AP	SAV2	15522243	73.1	Poor
TF3.3	DINOFL_C	AP	Spring1	3607526	74.8	Poor
TF3.3	DINOFL_C	AP	Spring2	15522243	75.6	Poor
TF3.3	DINOFL_C	AP	Summer1	20947909	70.7	Poor
TF3.3	DINOFL_C	AP	Summer2	11490970	66.9	Poor
TF3.3	DINOFL_C	AP	Winter	109097	63.7	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
TF3.3	DINOFL_C	BP	Annual	3262218	73.1	Poor
TF3.3	DINOFL_C	BP	Fall	6706350	75.1	Poor
TF3.3	DINOFL_C	BP	SAV1	6706350	76.1	Poor
TF3.3	DINOFL_C	BP	SAV2	6706350	72.7	Poor
TF3.3	DINOFL_C	BP	Spring1	75423	60.5	Poor
TF3.3	DINOFL_C	BP	Spring2	3233034	74.3	Poor
TF3.3	DINOFL_C	BP	Summer1	22690327	77.2	Poor
TF3.3	DINOFL_C	BP	Summer2	31785206	77.6	Poor
TF3.3	DINOFL_C	BP	Winter	666348	71.9	Poor
TF3.3	MARGALEF	AP	Annual	1.90	50.4	Fair
TF3.3	MARGALEF	AP	Fall	1.82	48.5	Fair
TF3.3	MARGALEF	AP	SAV1	1.84	49.7	Fair
TF3.3	MARGALEF	AP	SAV2	2.05	56.4	Fair
TF3.3	MARGALEF	AP	Spring1	1.84	53.4	Fair
TF3.3	MARGALEF	AP	Spring2	1.97	58.9	Good
TF3.3	MARGALEF	AP	Summer1	2.30	66.6	Good
TF3.3	MARGALEF	AP	Summer2	2.28	63	Good
TF3.3	MARGALEF	AP	Winter	1.88	60.2	Fair
TF3.3	MARGALEF	BP	Annual	2.03	74.8	Good
TF3.3	MARGALEF	BP	Fall	2.01	77	Good
TF3.3	MARGALEF	BP	SAV1	1.82	63.4	Good
TF3.3	MARGALEF	BP	SAV2	2.04	69.2	Good
TF3.3	MARGALEF	BP	Spring1	1.78	65.7	Good
TF3.3	MARGALEF	BP	Spring2	1.98	73.5	Good
TF3.3	MARGALEF	BP	Summer1	2.15	70.2	Good
TF3.3	MARGALEF	BP	Summer2	2.16	68	Good
TF3.3	MARGALEF	BP	Winter	2.26	94.6	Good
TF3.3	PICO_C	AP	Annual	204780000	76.8	Poor
TF3.3	PICO_C	AP	Fall	170490000	83.8	Poor
TF3.3	PICO_C	AP	SAV1	150000000	75.5	Poor
TF3.3	PICO_C	AP	SAV2	406080000	73.9	Poor
TF3.3	PICO_C	AP	Spring1	25999500	61	Poor
TF3.3	PICO_C	AP	Spring2	150000000	67.5	Poor
TF3.3	PICO_C	AP	Summer1	731280000	78.6	Poor
TF3.3	PICO_C	AP	Summer2	656160000	77.9	Poor
TF3.3	PICO_C	AP	Winter	9676800	58.5	Fair
TF3.3	PICO_C	BP	Annual	214800000	77.6	Poor
TF3.3	PICO_C	BP	Fall	214800000	87	Poor
TF3.3	PICO_C	BP	SAV1	195600000	80.4	Poor
TF3.3	PICO_C	BP	SAV2	422750000	75.3	Poor
TF3.3	PICO_C	BP	Spring1	16369920	50.4	Fair
TF3.3	PICO_C	BP	Spring2	170310000	72.1	Poor
TF3.3	PICO_C	BP	Summer1	833830000	85.5	Poor
TF3.3	PICO_C	BP	Summer2	816620000	86.1	Poor
TF3.3	PICO_C	BP	Winter	11489280	58.9	Fair
TF3.3	PROCAR_C	AP	Annual	0.040	34.8	Good
TF3.3	PROCAR_C	AP	Fall	0.040	42.4	Fair

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
TF3.3	PROCAR_C	AP	SAV1	0.020	34.5	Good
TF3.3	PROCAR_C	AP	SAV2	0.060	32.5	Good
TF3.3	PROCAR_C	AP	Spring1	0.020	33.6	Good
TF3.3	PROCAR_C	AP	Spring2	0.030	32.2	Good
TF3.3	PROCAR_C	AP	Summer1	0.100	32.3	Good
TF3.3	PROCAR_C	AP	Summer2	0.100	31.5	Good
TF3.3	PROCAR_C	AP	Winter	0.030	41.2	Fair
TF3.3	PROCAR_C	BP	Annual	0.040	36.2	Good
TF3.3	PROCAR_C	BP	Fall	0.040	40.1	Good
TF3.3	PROCAR_C	BP	SAV1	0.030	36.8	Good
TF3.3	PROCAR_C	BP	SAV2	0.040	34.3	Good
TF3.3	PROCAR_C	BP	Spring1	0.020	37.1	Good
TF3.3	PROCAR_C	BP	Spring2	0.020	35.4	Good
TF3.3	PROCAR_C	BP	Summer1	0.070	32.8	Good
TF3.3	PROCAR_C	BP	Summer2	0.060	31.2	Good
TF3.3	PROCAR_C	BP	Winter	0.020	37.2	Good
TF3.3	RATIO	AP	Annual	38.060	29.8	Poor
TF3.3	RATIO	AP	Fall	40.120	39.9	Poor
TF3.3	RATIO	AP	SAV1	43.010	31.1	Poor
TF3.3	RATIO	AP	SAV2	38.060	28.4	Poor
TF3.3	RATIO	AP	Spring1	47.920	26.7	Poor
TF3.3	RATIO	AP	Spring2	42.730	22.9	Poor
TF3.3	RATIO	AP	Summer1	31.240	26.1	Poor
TF3.3	RATIO	AP	Summer2	34.520	32.1	Poor
TF3.3	RATIO	AP	Winter	35.160	30	Poor
TF3.3	RATIO	BP	Annual	40.540	32.3	Poor
TF3.3	RATIO	BP	Fall	40.400	39.2	Poor
TF3.3	RATIO	BP	SAV1	47.650	34	Poor
TF3.3	RATIO	BP	SAV2	41.060	31.8	Poor
TF3.3	RATIO	BP	Spring1	56.050	31.7	Poor
TF3.3	RATIO	BP	Spring2	56.050	33.7	Poor
TF3.3	RATIO	BP	Summer1	34.480	30.6	Poor
TF3.3	RATIO	BP	Summer2	31.390	29.4	Poor
TF3.3	RATIO	BP	Winter	44.060	37.3	Poor
TF3.3	TOTBMASS	AP	Annual	1317000000	59.3	Good
TF3.3	TOTBMASS	AP	Fall	1256200000	71.8	Good
TF3.3	TOTBMASS	AP	SAV1	1665000000	62.1	Good
TF3.3	TOTBMASS	AP	SAV2	1564600000	54.1	Fair
TF3.3	TOTBMASS	AP	Spring1	1317000000	53.6	Fair
TF3.3	TOTBMASS	AP	Spring2	1682400000	54.2	Fair
TF3.3	TOTBMASS	AP	Summer1	1482300000	51.6	Fair
TF3.3	TOTBMASS	AP	Summer2	1345100000	50	Fair
TF3.3	TOTBMASS	AP	Winter	515750000	61	Fair
TF3.3	TOTBMASS	BP	Annual	1178900000	61.9	Good
TF3.3	TOTBMASS	BP	Fall	1139900000	71.3	Good
TF3.3	TOTBMASS	BP	SAV1	1472200000	63.6	Good
TF3.3	TOTBMASS	BP	SAV2	1715800000	63.1	Good

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
TF3.3	TOTBMASS	BP	Spring1	2496700000	73.6	Good
TF3.3	TOTBMASS	BP	Spring2	3127000000	76.7	Good
TF3.3	TOTBMASS	BP	Summer1	1447400000	58	Fair
TF3.3	TOTBMASS	BP	Summer2	1178900000	52.7	Fair
TF3.3	TOTBMASS	BP	Winter	621800000	72.6	Good
RET3.1	CHLORO_C	AP	Annual	20341959	89.6	Good
RET3.1	CHLORO_C	AP	Fall	12974129	92.1	Good
RET3.1	CHLORO_C	AP	SAV1	29287800	89.8	Good
RET3.1	CHLORO_C	AP	SAV2	23347065	88.4	Good
RET3.1	CHLORO_C	AP	Spring1	39815234	84.6	Good
RET3.1	CHLORO_C	AP	Spring2	46972731	84.9	Good
RET3.1	CHLORO_C	AP	Winter	4878904	89.1	Good
RET3.1	CHLORO_C	BP	Annual	12374760	91.4	Good
RET3.1	CHLORO_C	BP	Fall	7639988	94.3	Good
RET3.1	CHLORO_C	BP	SAV1	16922775	91.1	Good
RET3.1	CHLORO_C	BP	SAV2	15225293	90.4	Good
RET3.1	CHLORO_C	BP	Spring1	16922775	86.5	Good
RET3.1	CHLORO_C	BP	Spring2	69379914	89.3	Good
RET3.1	CHLORO_C	BP	Winter	4895247	87.2	Good
RET3.1	CYANO	AP	Annual	6012518	76.7	Poor
RET3.1	CYANO	AP	Fall	2206573	78.8	Poor
RET3.1	CYANO	AP	SAV1	6202266	78.8	Poor
RET3.1	CYANO	AP	SAV2	8146330	74.2	Poor
RET3.1	CYANO	AP	Spring1	5675008	78.9	Poor
RET3.1	CYANO	AP	Spring2	7582106	80	Poor
RET3.1	CYANO	AP	Summer1	14523085	81.7	Poor
RET3.1	CYANO	AP	Summer2	8146330	70	Poor
RET3.1	CYANO	AP	Winter	442732	69.6	Poor
RET3.1	CYANO	BP	Annual	3342336	77.7	Poor
RET3.1	CYANO	BP	Fall	715849	76.1	Poor
RET3.1	CYANO	BP	SAV1	4895817	81.7	Poor
RET3.1	CYANO	BP	SAV2	8239104	80.9	Poor
RET3.1	CYANO	BP	Spring1	4895817	82.3	Poor
RET3.1	CYANO	BP	Spring2	8239104	85.6	Poor
RET3.1	CYANO	BP	Summer1	10127872	81.1	Poor
RET3.1	CYANO	BP	Summer2	6902784	76.8	Poor
RET3.1	CYANO	BP	Winter	947507	76.6	Poor
RET3.1	CYANO_C	AP	Annual	18613850	63.5	Poor
RET3.1	CYANO_C	AP	Fall	12761341	73.7	Poor
RET3.1	CYANO_C	AP	SAV1	25491220	67.1	Poor
RET3.1	CYANO_C	AP	SAV2	39758208	55.7	Fair
RET3.1	CYANO_C	AP	Spring1	16724111	64.9	Poor
RET3.1	CYANO_C	AP	Spring2	34258330	49.3	Fair
RET3.1	CYANO_C	AP	Summer1	50553075	50.8	Fair
RET3.1	CYANO_C	AP	Summer2	46578179	54.6	Fair
RET3.1	CYANO_C	AP	Winter	4727556	66.1	Poor
RET3.1	CYANO_C	BP	Annual	10596664	65.9	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
RET3.1	CYANO_C	BP	Fall	4522838	72.5	Poor
RET3.1	CYANO_C	BP	SAV1	12711322	71.2	Poor
RET3.1	CYANO_C	BP	SAV2	22744125	60.4	Poor
RET3.1	CYANO_C	BP	Spring1	12711322	71.3	Poor
RET3.1	CYANO_C	BP	Spring2	22744125	57.2	Fair
RET3.1	CYANO_C	BP	Summer1	26619716	54.9	Fair
RET3.1	CYANO_C	BP	Summer2	16984965	56.3	Fair
RET3.1	CYANO_C	BP	Winter	6129720	68.5	Poor
RET3.1	DIATOM_C	AP	Annual	457450000	59	Good
RET3.1	DIATOM_C	AP	Fall	362360000	65.8	Good
RET3.1	DIATOM_C	AP	SAV1	423850000	57.3	Good
RET3.1	DIATOM_C	AP	SAV2	509580000	58.5	Good
RET3.1	DIATOM_C	AP	Spring1	432160000	46.2	Fair
RET3.1	DIATOM_C	AP	Spring2	509580000	53.5	Fair
RET3.1	DIATOM_C	AP	Summer1	550140000	58.8	Good
RET3.1	DIATOM_C	AP	Summer2	500710000	58.1	Good
RET3.1	DIATOM_C	AP	Winter	478880000	55.2	Fair
RET3.1	DIATOM_C	BP	Annual	473840000	59	Good
RET3.1	DIATOM_C	BP	Fall	381590000	64.6	Good
RET3.1	DIATOM_C	BP	SAV1	560480000	59.1	Good
RET3.1	DIATOM_C	BP	SAV2	560480000	60.8	Good
RET3.1	DIATOM_C	BP	Spring1	473840000	37.7	Poor
RET3.1	DIATOM_C	BP	Spring2	438140000	41.1	Poor
RET3.1	DIATOM_C	BP	Summer1	591080000	63.6	Good
RET3.1	DIATOM_C	BP	Summer2	700000000	66.9	Good
RET3.1	DIATOM_C	BP	Winter	281900000	29	Poor
RET3.1	DINOFL_C	AP	Annual	9714020	47.3	Fair
RET3.1	DINOFL_C	AP	Fall	5714555	55.1	Fair
RET3.1	DINOFL_C	AP	SAV1	5714555	48.8	Fair
RET3.1	DINOFL_C	AP	SAV2	8891295	39.9	Good
RET3.1	DINOFL_C	AP	Spring1	47256228	67.1	Poor
RET3.1	DINOFL_C	AP	Spring2	8891295	36	Good
RET3.1	DINOFL_C	AP	Summer1	17135212	31.5	Good
RET3.1	DINOFL_C	AP	Summer2	23733679	42	Fair
RET3.1	DINOFL_C	AP	Winter	76922623	74.6	Poor
RET3.1	DINOFL_C	BP	Annual	24631009	70.6	Poor
RET3.1	DINOFL_C	BP	Fall	4607799	69.2	Poor
RET3.1	DINOFL_C	BP	SAV1	9620070	66	Poor
RET3.1	DINOFL_C	BP	SAV2	24631009	69.5	Poor
RET3.1	DINOFL_C	BP	Spring1	24631009	66.5	Poor
RET3.1	DINOFL_C	BP	Spring2	24631009	66.6	Poor
RET3.1	DINOFL_C	BP	Summer1	47958637	74.2	Poor
RET3.1	DINOFL_C	BP	Summer2	51103872	75.9	Poor
RET3.1	DINOFL_C	BP	Winter	253010000	81.4	Poor
RET3.1	MARGALEF	AP	Annual	1.86	62.6	Good
RET3.1	MARGALEF	AP	Fall	1.68	62.4	Good
RET3.1	MARGALEF	AP	SAV1	1.78	72.1	Good

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
RET3.1	MARGALEF	AP	SAV2	1.97	75.9	Good
RET3.1	MARGALEF	AP	Spring1	1.62	58.4	Good
RET3.1	MARGALEF	AP	Spring2	1.76	69.4	Good
RET3.1	MARGALEF	AP	Summer1	2.07	70	Good
RET3.1	MARGALEF	AP	Summer2	2.06	67.4	Good
RET3.1	MARGALEF	AP	Winter	1.51	11.7	Poor
RET3.1	MARGALEF	BP	Annual	1.53	27.2	Poor
RET3.1	MARGALEF	BP	Fall	1.55	31.6	Poor
RET3.1	MARGALEF	BP	SAV1	1.41	19	Poor
RET3.1	MARGALEF	BP	SAV2	1.46	27.8	Poor
RET3.1	MARGALEF	BP	Spring1	1.37	17	Poor
RET3.1	MARGALEF	BP	Spring2	1.41	25	Poor
RET3.1	MARGALEF	BP	Summer1	1.60	38.6	Poor
RET3.1	MARGALEF	BP	Summer2	1.59	36.8	Poor
RET3.1	MARGALEF	BP	Winter	1.95	34.8	Poor
RET3.1	PICO_C	AP	Annual	419520000	90.2	Poor
RET3.1	PICO_C	AP	Fall	137160000	83.5	Poor
RET3.1	PICO_C	AP	SAV1	131560000	81.3	Poor
RET3.1	PICO_C	AP	SAV2	542880000	85	Poor
RET3.1	PICO_C	AP	Spring1	25081463	87.5	Poor
RET3.1	PICO_C	AP	Spring2	411360000	92.4	Poor
RET3.1	PICO_C	AP	Summer1	935560000	90.6	Poor
RET3.1	PICO_C	AP	Summer2	1038300000	93.8	Poor
RET3.1	PICO_C	AP	Winter	7499520	75	Poor
RET3.1	PICO_C	BP	Annual	341040000	90.8	Poor
RET3.1	PICO_C	BP	Fall	103550000	83.6	Poor
RET3.1	PICO_C	BP	SAV1	158160000	87.2	Poor
RET3.1	PICO_C	BP	SAV2	640110000	89.5	Poor
RET3.1	PICO_C	BP	Spring1	39827850	93.9	Poor
RET3.1	PICO_C	BP	Spring2	341880000	93.7	Poor
RET3.1	PICO_C	BP	Summer1	883920000	92.7	Poor
RET3.1	PICO_C	BP	Summer2	1015200000	94.4	Poor
RET3.1	PICO_C	BP	Winter	8386560	78	Poor
RET3.1	PROCAR_C	AP	Annual	0.030	30.8	Good
RET3.1	PROCAR_C	AP	Fall	0.030	34.5	Good
RET3.1	PROCAR_C	AP	SAV1	0.030	31.7	Good
RET3.1	PROCAR_C	AP	SAV2	0.040	28.5	Good
RET3.1	PROCAR_C	AP	Spring1	0.020	32.3	Good
RET3.1	PROCAR_C	AP	Spring2	0.030	28.2	Good
RET3.1	PROCAR_C	AP	Summer1	0.050	27.1	Good
RET3.1	PROCAR_C	AP	Summer2	0.050	28.6	Good
RET3.1	PROCAR_C	AP	Winter	0.010	30.6	Good
RET3.1	PROCAR_C	BP	Annual	0.020	31.9	Good
RET3.1	PROCAR_C	BP	Fall	0.010	35.1	Good
RET3.1	PROCAR_C	BP	SAV1	0.010	33.2	Good
RET3.1	PROCAR_C	BP	SAV2	0.020	29.1	Good
RET3.1	PROCAR_C	BP	Spring1	0.010	33.2	Good

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
RET3.1	PROCAR_C	BP	Spring2	0.030	30.1	Good
RET3.1	PROCAR_C	BP	Summer1	0.030	27.3	Good
RET3.1	PROCAR_C	BP	Summer2	0.020	27.7	Good
RET3.1	PROCAR_C	BP	Winter	0.010	34.1	Good
RET3.1	RATIO	AP	Annual	38.900	14.7	Poor
RET3.1	RATIO	AP	Fall	31.340	18.8	Poor
RET3.1	RATIO	AP	SAV1	39.230	16.2	Poor
RET3.1	RATIO	AP	SAV2	28.120	7.9	Poor
RET3.1	RATIO	AP	Spring1	41.700	10.2	Poor
RET3.1	RATIO	AP	Spring2	28.220	3.7	Poor
RET3.1	RATIO	AP	Summer1	26.820	6.7	Poor
RET3.1	RATIO	AP	Summer2	26.840	9.8	Poor
RET3.1	RATIO	AP	Winter	61.280	28.4	Poor
RET3.1	RATIO	BP	Annual	40.220	13.3	Poor
RET3.1	RATIO	BP	Fall	29.710	18.1	Poor
RET3.1	RATIO	BP	SAV1	35.820	12.9	Poor
RET3.1	RATIO	BP	SAV2	35.820	7.9	Poor
RET3.1	RATIO	BP	Spring1	32.350	6	Poor
RET3.1	RATIO	BP	Spring2	32.350	3.5	Poor
RET3.1	RATIO	BP	Summer1	40.070	8.3	Poor
RET3.1	RATIO	BP	Summer2	40.220	11.6	Poor
RET3.1	RATIO	BP	Winter	65.880	24.4	Poor
RET3.1	TOTBMASS	AP	Annual	898470000	38.7	Poor
RET3.1	TOTBMASS	AP	Fall	637350000	50.7	Fair
RET3.1	TOTBMASS	AP	SAV1	826250000	39.7	Poor
RET3.1	TOTBMASS	AP	SAV2	938620000	32.2	Poor
RET3.1	TOTBMASS	AP	Spring1	1050500000	29.9	Poor
RET3.1	TOTBMASS	AP	Spring2	1050500000	23.4	Poor
RET3.1	TOTBMASS	AP	Summer1	964300000	30.3	Poor
RET3.1	TOTBMASS	AP	Summer2	938620000	34.3	Poor
RET3.1	TOTBMASS	AP	Winter	1189500000	45	Fair
RET3.1	TOTBMASS	BP	Annual	703830000	43.2	Fair
RET3.1	TOTBMASS	BP	Fall	396040000	51.5	Fair
RET3.1	TOTBMASS	BP	SAV1	703830000	46	Fair
RET3.1	TOTBMASS	BP	SAV2	780620000	38.5	Poor
RET3.1	TOTBMASS	BP	Spring1	625220000	21.4	Poor
RET3.1	TOTBMASS	BP	Spring2	789900000	26.2	Poor
RET3.1	TOTBMASS	BP	Summer1	784640000	39.6	Poor
RET3.1	TOTBMASS	BP	Summer2	779390000	43.7	Fair
RET3.1	TOTBMASS	BP	Winter	778060000	32.5	Poor
LE3.6	CHLORO_C	AP	Annual	177999	74.8	Good
LE3.6	CHLORO_C	AP	Fall	382156	82.5	Good
LE3.6	CHLORO_C	AP	SAV1	430071	77.8	Good
LE3.6	CHLORO_C	AP	SAV2	110459	68.2	Good
LE3.6	CHLORO_C	AP	Spring1	206300	58.9	Good
LE3.6	CHLORO_C	AP	Spring2	14618	49.2	Fair
LE3.6	CHLORO_C	AP	Winter	177999	79.4	Good

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
LE3.6	CHLORO_C	BP	Annual	692565	84.4	Good
LE3.6	CHLORO_C	BP	Fall	293592	87.3	Good
LE3.6	CHLORO_C	BP	SAV1	675326	82.9	Good
LE3.6	CHLORO_C	BP	SAV2	3014598	86.8	Good
LE3.6	CHLORO_C	BP	Spring1	374305	74.4	Good
LE3.6	CHLORO_C	BP	Spring2	1854522	78.5	Good
LE3.6	CHLORO_C	BP	Winter	2924	55.7	Fair
LE3.6	CYANO	AP	Annual	610944	59.8	Poor
LE3.6	CYANO	AP	Fall	326784	66.4	Poor
LE3.6	CYANO	AP	SAV1	972442	66.2	Poor
LE3.6	CYANO	AP	SAV2	758938	41.2	Good
LE3.6	CYANO	AP	Spring1	877056	64.1	Poor
LE3.6	CYANO	AP	Spring2	575027	38.1	Good
LE3.6	CYANO	AP	Summer1	978611	28.8	Good
LE3.6	CYANO	AP	Summer2	1212979	27.7	Good
LE3.6	CYANO	AP	Winter	400589	69	Poor
LE3.6	CYANO	BP	Annual	409165	62.2	Poor
LE3.6	CYANO	BP	Fall	233677	67.4	Poor
LE3.6	CYANO	BP	SAV1	766976	63	Poor
LE3.6	CYANO	BP	SAV2	876544	55.9	Fair
LE3.6	CYANO	BP	Spring1	876544	71.6	Poor
LE3.6	CYANO	BP	Spring2	876544	57.1	Fair
LE3.6	CYANO	BP	Summer1	434842	42	Fair
LE3.6	CYANO	BP	Summer2	341965	35.5	Good
LE3.6	CYANO	BP	Winter	232832	69	Poor
LE3.6	CYANO_C	AP	Annual	4787036	55.9	Fair
LE3.6	CYANO_C	AP	Fall	1103251	64.5	Poor
LE3.6	CYANO_C	AP	SAV1	5584966	59.5	Poor
LE3.6	CYANO_C	AP	SAV2	4931845	42.2	Fair
LE3.6	CYANO_C	AP	Spring1	4993464	56.7	Fair
LE3.6	CYANO_C	AP	Spring2	3218068	29.1	Good
LE3.6	CYANO_C	AP	Summer1	6205526	35	Good
LE3.6	CYANO_C	AP	Summer2	7484334	42.5	Fair
LE3.6	CYANO_C	AP	Winter	2159296	62.6	Poor
LE3.6	CYANO_C	BP	Annual	2304215	58.2	Poor
LE3.6	CYANO_C	BP	Fall	944832	66.1	Poor
LE3.6	CYANO_C	BP	SAV1	2445832	62.9	Poor
LE3.6	CYANO_C	BP	SAV2	6042032	49.2	Fair
LE3.6	CYANO_C	BP	Spring1	3012762	64.6	Poor
LE3.6	CYANO_C	BP	Spring2	6042032	44.9	Fair
LE3.6	CYANO_C	BP	Summer1	3304796	41.3	Good
LE3.6	CYANO_C	BP	Summer2	2125171	44	Fair
LE3.6	CYANO_C	BP	Winter	1769523	63.1	Poor
LE3.6	DIATOM_C	AP	Annual	304210000	55.9	Fair
LE3.6	DIATOM_C	AP	Fall	124660000	59.1	Good
LE3.6	DIATOM_C	AP	SAV1	275360000	54	Fair
LE3.6	DIATOM_C	AP	SAV2	301390000	53.7	Fair

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
LE3.6	DIATOM_C	AP	Spring1	459500000	46.9	Fair
LE3.6	DIATOM_C	AP	Spring2	352340000	49.8	Fair
LE3.6	DIATOM_C	AP	Summer1	301390000	53.2	Fair
LE3.6	DIATOM_C	AP	Summer2	304210000	53	Fair
LE3.6	DIATOM_C	AP	Winter	420260000	51.5	Fair
LE3.6	DIATOM_C	BP	Annual	384940000	56.6	Good
LE3.6	DIATOM_C	BP	Fall	290470000	63.2	Good
LE3.6	DIATOM_C	BP	SAV1	380020000	53.6	Fair
LE3.6	DIATOM_C	BP	SAV2	386130000	58.3	Good
LE3.6	DIATOM_C	BP	Spring1	490800000	37.5	Poor
LE3.6	DIATOM_C	BP	Spring2	490800000	44.1	Fair
LE3.6	DIATOM_C	BP	Summer1	348690000	59.6	Good
LE3.6	DIATOM_C	BP	Summer2	389640000	61	Good
LE3.6	DIATOM_C	BP	Winter	910230000	64.6	Good
LE3.6	DINOFL_C	AP	Annual	148040000	74.9	Poor
LE3.6	DINOFL_C	AP	Fall	76936164	74.8	Poor
LE3.6	DINOFL_C	AP	SAV1	82565664	73.2	Poor
LE3.6	DINOFL_C	AP	SAV2	202830000	73.3	Poor
LE3.6	DINOFL_C	AP	Spring1	82565664	74.3	Poor
LE3.6	DINOFL_C	AP	Spring2	172820000	73.9	Poor
LE3.6	DINOFL_C	AP	Summer1	245750000	72.9	Poor
LE3.6	DINOFL_C	AP	Summer2	280680000	76.6	Poor
LE3.6	DINOFL_C	AP	Winter	32679467	63.7	Poor
LE3.6	DINOFL_C	BP	Annual	66916949	77.8	Poor
LE3.6	DINOFL_C	BP	Fall	47750391	79.9	Poor
LE3.6	DINOFL_C	BP	SAV1	54070999	77.1	Poor
LE3.6	DINOFL_C	BP	SAV2	66499548	77.3	Poor
LE3.6	DINOFL_C	BP	Spring1	74004965	75.8	Poor
LE3.6	DINOFL_C	BP	Spring2	74004965	76.8	Poor
LE3.6	DINOFL_C	BP	Summer1	115820000	81	Poor
LE3.6	DINOFL_C	BP	Summer2	91157950	79.8	Poor
LE3.6	DINOFL_C	BP	Winter	67334350	72.2	Poor
LE3.6	MARGALEF	AP	Annual	2.55	93.3	Good
LE3.6	MARGALEF	AP	Fall	2.67	97.6	Good
LE3.6	MARGALEF	AP	SAV1	2.55	97.8	Good
LE3.6	MARGALEF	AP	SAV2	2.36	93.3	Good
LE3.6	MARGALEF	AP	Spring1	2.56	98.1	Good
LE3.6	MARGALEF	AP	Spring2	2.32	95.3	Good
LE3.6	MARGALEF	AP	Summer1	2.37	89.7	Good
LE3.6	MARGALEF	AP	Summer2	2.45	88.1	Good
LE3.6	MARGALEF	AP	Winter	2.64	81.6	Good
LE3.6	MARGALEF	BP	Annual	2.55	91.3	Good
LE3.6	MARGALEF	BP	Fall	2.20	90.5	Good
LE3.6	MARGALEF	BP	SAV1	2.48	93.8	Good
LE3.6	MARGALEF	BP	SAV2	2.53	93.6	Good
LE3.6	MARGALEF	BP	Spring1	2.59	93.9	Good
LE3.6	MARGALEF	BP	Spring2	2.48	92.6	Good

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
LE3.6	MARGALEF	BP	Summer1	2.53	91	Good
LE3.6	MARGALEF	BP	Summer2	2.55	90.1	Good
LE3.6	MARGALEF	BP	Winter	2.67	78.8	Good
LE3.6	PICO_C	AP	Annual	176020000	81.1	Poor
LE3.6	PICO_C	AP	Fall	57480000	62.7	Poor
LE3.6	PICO_C	AP	SAV1	53280000	67.2	Poor
LE3.6	PICO_C	AP	SAV2	581850000	84.6	Poor
LE3.6	PICO_C	AP	Spring1	21450240	86.2	Poor
LE3.6	PICO_C	AP	Spring2	287280000	89.9	Poor
LE3.6	PICO_C	AP	Summer1	699780000	84	Poor
LE3.6	PICO_C	AP	Summer2	661680000	86.8	Poor
LE3.6	PICO_C	AP	Winter	21480000	94.7	Poor
LE3.6	PICO_C	BP	Annual	121020000	80.1	Poor
LE3.6	PICO_C	BP	Fall	88200000	70.9	Poor
LE3.6	PICO_C	BP	SAV1	41280000	66	Poor
LE3.6	PICO_C	BP	SAV2	593050000	87.8	Poor
LE3.6	PICO_C	BP	Spring1	9483264	78.5	Poor
LE3.6	PICO_C	BP	Spring2	246480000	91	Poor
LE3.6	PICO_C	BP	Summer1	713850000	89	Poor
LE3.6	PICO_C	BP	Summer2	846820000	92.1	Poor
LE3.6	PICO_C	BP	Winter	16080000	90.7	Poor
LE3.6	PROCAR_C	AP	Annual	0.010	30	Good
LE3.6	PROCAR_C	AP	Fall	0.000	32.8	Good
LE3.6	PROCAR_C	AP	SAV1	0.010	30.7	Good
LE3.6	PROCAR_C	AP	SAV2	0.010	27.5	Good
LE3.6	PROCAR_C	AP	Spring1	0.010	31.5	Good
LE3.6	PROCAR_C	AP	Spring2	0.010	27.4	Good
LE3.6	PROCAR_C	AP	Summer1	0.010	26.1	Good
LE3.6	PROCAR_C	AP	Summer2	0.010	27.4	Good
LE3.6	PROCAR_C	AP	Winter	0.000	30.5	Good
LE3.6	PROCAR_C	BP	Annual	0.010	31.5	Good
LE3.6	PROCAR_C	BP	Fall	0.000	34.7	Good
LE3.6	PROCAR_C	BP	SAV1	0.010	32.7	Good
LE3.6	PROCAR_C	BP	SAV2	0.010	28.8	Good
LE3.6	PROCAR_C	BP	Spring1	0.010	32.8	Good
LE3.6	PROCAR_C	BP	Spring2	0.010	29.5	Good
LE3.6	PROCAR_C	BP	Summer1	0.010	26.8	Good
LE3.6	PROCAR_C	BP	Summer2	0.010	27.4	Good
LE3.6	PROCAR_C	BP	Winter	0.000	34	Good
LE3.6	RATIO	AP	Annual	86.400	34.5	Poor
LE3.6	RATIO	AP	Fall	59.170	33.7	Poor
LE3.6	RATIO	AP	SAV1	69.840	29.3	Poor
LE3.6	RATIO	AP	SAV2	86.540	29.7	Poor
LE3.6	RATIO	AP	Spring1	86.680	27.4	Poor
LE3.6	RATIO	AP	Spring2	86.680	19.2	Poor
LE3.6	RATIO	AP	Summer1	84.460	28.9	Poor
LE3.6	RATIO	AP	Summer2	86.400	35.5	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
LE3.6	RATIO	AP	Winter	132.130	59.4	Fair
LE3.6	RATIO	BP	Annual	78.880	26.2	Poor
LE3.6	RATIO	BP	Fall	73.500	34.1	Poor
LE3.6	RATIO	BP	SAV1	73.210	27.1	Poor
LE3.6	RATIO	BP	SAV2	73.500	19.7	Poor
LE3.6	RATIO	BP	Spring1	80.350	19.9	Poor
LE3.6	RATIO	BP	Spring2	77.410	12.7	Poor
LE3.6	RATIO	BP	Summer1	77.410	17.9	Poor
LE3.6	RATIO	BP	Summer2	102.970	31.1	Poor
LE3.6	RATIO	BP	Winter	141.070	57	Fair
LE3.6	TOTBMASS	AP	Annual	563850000	28.1	Poor
LE3.6	TOTBMASS	AP	Fall	387260000	38	Poor
LE3.6	TOTBMASS	AP	SAV1	535680000	30.5	Poor
LE3.6	TOTBMASS	AP	SAV2	614190000	23.3	Poor
LE3.6	TOTBMASS	AP	Spring1	664680000	20.5	Poor
LE3.6	TOTBMASS	AP	Spring2	517720000	11.9	Poor
LE3.6	TOTBMASS	AP	Summer1	685840000	20.4	Poor
LE3.6	TOTBMASS	AP	Summer2	784090000	30.3	Poor
LE3.6	TOTBMASS	AP	Winter	480230000	25.4	Poor
LE3.6	TOTBMASS	BP	Annual	569060000	38.5	Poor
LE3.6	TOTBMASS	BP	Fall	381850000	50.7	Fair
LE3.6	TOTBMASS	BP	SAV1	462030000	36.8	Poor
LE3.6	TOTBMASS	BP	SAV2	576740000	31.1	Poor
LE3.6	TOTBMASS	BP	Spring1	576740000	19.8	Poor
LE3.6	TOTBMASS	BP	Spring2	622050000	21.1	Poor
LE3.6	TOTBMASS	BP	Summer1	622050000	36.6	Poor
LE3.6	TOTBMASS	BP	Summer2	563710000	34.2	Poor
LE3.6	TOTBMASS	BP	Winter	968660000	37.5	Poor
CB6.1	CHLORO_C	AP	Annual	176035	72.2	Good
CB6.1	CHLORO_C	AP	Fall	0	21	Poor
CB6.1	CHLORO_C	AP	SAV1	162255	63.7	Good
CB6.1	CHLORO_C	AP	SAV2	229116	70	Good
CB6.1	CHLORO_C	AP	Spring1	17541	48.9	Fair
CB6.1	CHLORO_C	AP	Spring2	24858	50.2	Fair
CB6.1	CHLORO_C	AP	Winter	265629	80.9	Good
CB6.1	CHLORO_C	BP	Annual	237365	77.7	Good
CB6.1	CHLORO_C	BP	Fall	243383	85.8	Good
CB6.1	CHLORO_C	BP	SAV1	243383	72.8	Good
CB6.1	CHLORO_C	BP	SAV2	280938	80.1	Good
CB6.1	CHLORO_C	BP	Spring1	302101	63.8	Good
CB6.1	CHLORO_C	BP	Spring2	802128	74.2	Good
CB6.1	CHLORO_C	BP	Winter	1462	51.7	Fair
CB6.1	CYANO	AP	Annual	439219	56.2	Fair
CB6.1	CYANO	AP	Fall	178048	63.7	Poor
CB6.1	CYANO	AP	SAV1	439219	59	Poor
CB6.1	CYANO	AP	SAV2	522800	37.1	Good
CB6.1	CYANO	AP	Spring1	1302118	66.9	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
CB6.1	CYANO	AP	Spring2	767232	45.7	Fair
CB6.1	CYANO	AP	Summer1	484054	17.8	Good
CB6.1	CYANO	AP	Summer2	405018	11.9	Good
CB6.1	CYANO	AP	Winter	283750	66.8	Poor
CB6.1	CYANO	BP	Annual	383616	59.9	Poor
CB6.1	CYANO	BP	Fall	149184	66	Poor
CB6.1	CYANO	BP	SAV1	749010	66.4	Poor
CB6.1	CYANO	BP	SAV2	459895	49	Fair
CB6.1	CYANO	BP	Spring1	808064	71.2	Poor
CB6.1	CYANO	BP	Spring2	523118	49	Fair
CB6.1	CYANO	BP	Summer1	445574	38.6	Good
CB6.1	CYANO	BP	Summer2	430803	38.8	Good
CB6.1	CYANO	BP	Winter	190720	67.8	Poor
CB6.1	CYANO_C	AP	Annual	2228275	52.6	Fair
CB6.1	CYANO_C	AP	Fall	1353165	64.4	Poor
CB6.1	CYANO_C	AP	SAV1	1855565	54.3	Fair
CB6.1	CYANO_C	AP	SAV2	3123896	39.3	Good
CB6.1	CYANO_C	AP	Spring1	7916288	59.9	Poor
CB6.1	CYANO_C	AP	Spring2	5830963	32.6	Good
CB6.1	CYANO_C	AP	Summer1	2660406	31.1	Good
CB6.1	CYANO_C	AP	Summer2	2242678	34.9	Good
CB6.1	CYANO_C	AP	Winter	2150780	62.6	Poor
CB6.1	CYANO_C	BP	Annual	2422679	58	Poor
CB6.1	CYANO_C	BP	Fall	1112241	66.5	Poor
CB6.1	CYANO_C	BP	SAV1	2470424	63.8	Poor
CB6.1	CYANO_C	BP	SAV2	2995714	48	Fair
CB6.1	CYANO_C	BP	Spring1	3491332	65.2	Poor
CB6.1	CYANO_C	BP	Spring2	3491332	43.6	Fair
CB6.1	CYANO_C	BP	Summer1	2964788	40.2	Good
CB6.1	CYANO_C	BP	Summer2	2655475	45.3	Fair
CB6.1	CYANO_C	BP	Winter	1449472	62.2	Poor
CB6.1	DIATOM_C	AP	Annual	243550000	52.4	Fair
CB6.1	DIATOM_C	AP	Fall	243550000	63	Good
CB6.1	DIATOM_C	AP	SAV1	228210000	50.7	Fair
CB6.1	DIATOM_C	AP	SAV2	227990000	51	Fair
CB6.1	DIATOM_C	AP	Spring1	502470000	45.1	Fair
CB6.1	DIATOM_C	AP	Spring2	284940000	47.6	Fair
CB6.1	DIATOM_C	AP	Summer1	184120000	46.1	Fair
CB6.1	DIATOM_C	AP	Summer2	227780000	50.1	Fair
CB6.1	DIATOM_C	AP	Winter	330100000	44.6	Fair
CB6.1	DIATOM_C	BP	Annual	297780000	52.7	Fair
CB6.1	DIATOM_C	BP	Fall	190560000	58.7	Good
CB6.1	DIATOM_C	BP	SAV1	299190000	50.7	Fair
CB6.1	DIATOM_C	BP	SAV2	149410000	45.1	Fair
CB6.1	DIATOM_C	BP	Spring1	498630000	34.6	Poor
CB6.1	DIATOM_C	BP	Spring2	195940000	23.6	Poor
CB6.1	DIATOM_C	BP	Summer1	135020000	46.2	Fair

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
CB6.1	DIATOM_C	BP	Summer2	130460000	50.1	Fair
CB6.1	DIATOM_C	BP	Winter	574570000	50.4	Fair
CB6.1	DINOFL_C	AP	Annual	83622186	69.2	Poor
CB6.1	DINOFL_C	AP	Fall	72884396	74.4	Poor
CB6.1	DINOFL_C	AP	SAV1	76749235	72.1	Poor
CB6.1	DINOFL_C	AP	SAV2	147020000	71.2	Poor
CB6.1	DINOFL_C	AP	Spring1	76749235	71.9	Poor
CB6.1	DINOFL_C	AP	Spring2	117490000	71.9	Poor
CB6.1	DINOFL_C	AP	Summer1	153860000	69	Poor
CB6.1	DINOFL_C	AP	Summer2	193290000	72.3	Poor
CB6.1	DINOFL_C	AP	Winter	31020495	63	Poor
CB6.1	DINOFL_C	BP	Annual	46275642	75.1	Poor
CB6.1	DINOFL_C	BP	Fall	34480225	80.2	Poor
CB6.1	DINOFL_C	BP	SAV1	49124679	76.4	Poor
CB6.1	DINOFL_C	BP	SAV2	42422339	74	Poor
CB6.1	DINOFL_C	BP	Spring1	71252884	75.2	Poor
CB6.1	DINOFL_C	BP	Spring2	40927908	72.9	Poor
CB6.1	DINOFL_C	BP	Summer1	39128129	72.9	Poor
CB6.1	DINOFL_C	BP	Summer2	43916769	74.7	Poor
CB6.1	DINOFL_C	BP	Winter	159020000	78.5	Poor
CB6.1	MARGALEF	AP	Annual	2.56	94.3	Good
CB6.1	MARGALEF	AP	Fall	2.82	98.7	Good
CB6.1	MARGALEF	AP	SAV1	2.39	97.7	Good
CB6.1	MARGALEF	AP	SAV2	2.63	96.5	Good
CB6.1	MARGALEF	AP	Spring1	2.34	96.1	Good
CB6.1	MARGALEF	AP	Spring2	2.43	96	Good
CB6.1	MARGALEF	AP	Summer1	2.59	92.8	Good
CB6.1	MARGALEF	AP	Summer2	2.63	92.7	Good
CB6.1	MARGALEF	AP	Winter	2.61	80.2	Good
CB6.1	MARGALEF	BP	Annual	2.42	86.8	Good
CB6.1	MARGALEF	BP	Fall	2.32	91.2	Good
CB6.1	MARGALEF	BP	SAV1	2.42	92.3	Good
CB6.1	MARGALEF	BP	SAV2	2.28	88.1	Good
CB6.1	MARGALEF	BP	Spring1	2.47	93.3	Good
CB6.1	MARGALEF	BP	Spring2	2.42	95.5	Good
CB6.1	MARGALEF	BP	Summer1	2.14	81.3	Good
CB6.1	MARGALEF	BP	Summer2	2.17	77.2	Good
CB6.1	MARGALEF	BP	Winter	2.53	72.4	Good
CB6.1	PICO_C	AP	Annual	140880000	79.7	Poor
CB6.1	PICO_C	AP	Fall	92760000	68.7	Poor
CB6.1	PICO_C	AP	SAV1	52680000	67	Poor
CB6.1	PICO_C	AP	SAV2	513480000	83.6	Poor
CB6.1	PICO_C	AP	Spring1	9354240	75.1	Poor
CB6.1	PICO_C	AP	Spring2	270270000	87.8	Poor
CB6.1	PICO_C	AP	Summer1	721200000	85.6	Poor
CB6.1	PICO_C	AP	Summer2	709920000	88.3	Poor
CB6.1	PICO_C	AP	Winter	14352000	90	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
CB6.1	PICO_C	BP	Annual	94560000	75.5	Poor
CB6.1	PICO_C	BP	Fall	67560000	62.8	Poor
CB6.1	PICO_C	BP	SAV1	24433920	54.2	Fair
CB6.1	PICO_C	BP	SAV2	172950000	71	Poor
CB6.1	PICO_C	BP	Spring1	6870528	72.2	Poor
CB6.1	PICO_C	BP	Spring2	111480000	85.7	Poor
CB6.1	PICO_C	BP	Summer1	198630000	41.9	Good
CB6.1	PICO_C	BP	Summer2	213840000	52.2	Fair
CB6.1	PICO_C	BP	Winter	10639500	83.7	Poor
CB6.1	PROCAR_C	AP	Annual	0.010	29.9	Good
CB6.1	PROCAR_C	AP	Fall	0.000	32.6	Good
CB6.1	PROCAR_C	AP	SAV1	0.010	30.6	Good
CB6.1	PROCAR_C	AP	SAV2	0.010	27.4	Good
CB6.1	PROCAR_C	AP	Spring1	0.010	31.7	Good
CB6.1	PROCAR_C	AP	Spring2	0.010	27.6	Good
CB6.1	PROCAR_C	AP	Summer1	0.010	26	Good
CB6.1	PROCAR_C	AP	Summer2	0.010	27.1	Good
CB6.1	PROCAR_C	AP	Winter	0.010	30.6	Good
CB6.1	PROCAR_C	BP	Annual	0.010	31.5	Good
CB6.1	PROCAR_C	BP	Fall	0.000	34.7	Good
CB6.1	PROCAR_C	BP	SAV1	0.010	32.7	Good
CB6.1	PROCAR_C	BP	SAV2	0.010	28.8	Good
CB6.1	PROCAR_C	BP	Spring1	0.010	32.9	Good
CB6.1	PROCAR_C	BP	Spring2	0.010	29.5	Good
CB6.1	PROCAR_C	BP	Summer1	0.010	26.9	Good
CB6.1	PROCAR_C	BP	Summer2	0.010	27.6	Good
CB6.1	PROCAR_C	BP	Winter	0.000	34	Good
CB6.1	RATIO	AP	Annual	99.280	38.5	Poor
CB6.1	RATIO	AP	Fall	148.910	50.4	Fair
CB6.1	RATIO	AP	SAV1	108.610	42.7	Fair
CB6.1	RATIO	AP	SAV2	95.780	32.7	Poor
CB6.1	RATIO	AP	Spring1	108.610	32.7	Poor
CB6.1	RATIO	AP	Spring2	80.540	17.4	Poor
CB6.1	RATIO	AP	Summer1	106.550	27.7	Poor
CB6.1	RATIO	AP	Summer2	138.910	51.7	Fair
CB6.1	RATIO	AP	Winter	60.740	28.1	Poor
CB6.1	RATIO	BP	Annual	90.550	32.3	Poor
CB6.1	RATIO	BP	Fall	99.800	46.4	Fair
CB6.1	RATIO	BP	SAV1	97.820	34.2	Poor
CB6.1	RATIO	BP	SAV2	80.810	22.2	Poor
CB6.1	RATIO	BP	Spring1	97.820	25.7	Poor
CB6.1	RATIO	BP	Spring2	81.890	17.5	Poor
CB6.1	RATIO	BP	Summer1	67.530	17.2	Poor
CB6.1	RATIO	BP	Summer2	70.030	21.7	Poor
CB6.1	RATIO	BP	Winter	141.430	57.1	Fair
CB6.1	TOTBMASS	AP	Annual	543280000	26.2	Poor
CB6.1	TOTBMASS	AP	Fall	594100000	46.1	Fair

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
CB6.1	TOTBMASS	AP	SAV1	594100000	31.3	Poor
CB6.1	TOTBMASS	AP	SAV2	550620000	21.3	Poor
CB6.1	TOTBMASS	AP	Spring1	703500000	21.7	Poor
CB6.1	TOTBMASS	AP	Spring2	633920000	12.5	Poor
CB6.1	TOTBMASS	AP	Summer1	484910000	15	Poor
CB6.1	TOTBMASS	AP	Summer2	557960000	23.4	Poor
CB6.1	TOTBMASS	AP	Winter	385670000	21.6	Poor
CB6.1	TOTBMASS	BP	Annual	377770000	30.1	Poor
CB6.1	TOTBMASS	BP	Fall	250660000	45.2	Fair
CB6.1	TOTBMASS	BP	SAV1	461810000	34.1	Poor
CB6.1	TOTBMASS	BP	SAV2	217850000	13.1	Poor
CB6.1	TOTBMASS	BP	Spring1	613420000	20.8	Poor
CB6.1	TOTBMASS	BP	Spring2	292050000	7.4	Poor
CB6.1	TOTBMASS	BP	Summer1	189790000	11.6	Poor
CB6.1	TOTBMASS	BP	Summer2	202330000	15.5	Poor
CB6.1	TOTBMASS	BP	Winter	696560000	30.1	Poor
CB6.4	CHLORO_C	AP	Annual	1096	15.5	Poor
CB6.4	CHLORO_C	AP	Fall	0	23.5	Poor
CB6.4	CHLORO_C	AP	SAV1	9498	39.1	Poor
CB6.4	CHLORO_C	AP	SAV2	7629	63.1	Good
CB6.4	CHLORO_C	AP	Spring1	2128264	77.5	Good
CB6.4	CHLORO_C	AP	Spring2	1752482	80	Good
CB6.4	CHLORO_C	AP	Winter	0	16.6	Poor
CB6.4	CHLORO_C	BP	Annual	522849	87.5	Good
CB6.4	CHLORO_C	BP	Fall	62913	92.1	Good
CB6.4	CHLORO_C	BP	SAV1	620245	86.1	Good
CB6.4	CHLORO_C	BP	SAV2	743705	87.2	Good
CB6.4	CHLORO_C	BP	Spring1	849451	75.9	Good
CB6.4	CHLORO_C	BP	Spring2	588546	73.6	Good
CB6.4	CHLORO_C	BP	Winter	282936	86	Good
CB6.4	CYANO	AP	Annual	285632	83.4	Poor
CB6.4	CYANO	AP	Fall	233677	89.9	Poor
CB6.4	CYANO	AP	SAV1	330752	83.7	Poor
CB6.4	CYANO	AP	SAV2	285632	77.9	Poor
CB6.4	CYANO	AP	Spring1	536166	81.9	Poor
CB6.4	CYANO	AP	Spring2	251814	78.1	Poor
CB6.4	CYANO	AP	Summer1	341638	77	Poor
CB6.4	CYANO	AP	Summer2	617933	79	Poor
CB6.4	CYANO	AP	Winter	113664	87.7	Poor
CB6.4	CYANO	BP	Annual	277056	87.7	Poor
CB6.4	CYANO	BP	Fall	567501	92.7	Poor
CB6.4	CYANO	BP	SAV1	517427	88.4	Poor
CB6.4	CYANO	BP	SAV2	244544	83.6	Poor
CB6.4	CYANO	BP	Spring1	467610	86.8	Poor
CB6.4	CYANO	BP	Spring2	393690	84.2	Poor
CB6.4	CYANO	BP	Summer1	244544	84.1	Poor
CB6.4	CYANO	BP	Summer2	219136	82.6	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
CB6.4	CYANO	BP	Winter	249370	94.1	Poor
CB6.4	CYANO_C	AP	Annual	1761709	80.3	Poor
CB6.4	CYANO_C	AP	Fall	961413	89.3	Poor
CB6.4	CYANO_C	AP	SAV1	1955789	80.7	Poor
CB6.4	CYANO_C	AP	SAV2	2003712	74.8	Poor
CB6.4	CYANO_C	AP	Spring1	2698302	77.2	Poor
CB6.4	CYANO_C	AP	Spring2	1809633	72.6	Poor
CB6.4	CYANO_C	AP	Summer1	2758031	73.9	Poor
CB6.4	CYANO_C	AP	Summer2	4137861	75.8	Poor
CB6.4	CYANO_C	AP	Winter	863846	81.8	Poor
CB6.4	CYANO_C	BP	Annual	1591033	83.6	Poor
CB6.4	CYANO_C	BP	Fall	1542462	89.2	Poor
CB6.4	CYANO_C	BP	SAV1	1639603	82.7	Poor
CB6.4	CYANO_C	BP	SAV2	1520402	78.7	Poor
CB6.4	CYANO_C	BP	Spring1	1733541	79.4	Poor
CB6.4	CYANO_C	BP	Spring2	1610150	75.6	Poor
CB6.4	CYANO_C	BP	Summer1	1445582	78.6	Poor
CB6.4	CYANO_C	BP	Summer2	1498342	78.5	Poor
CB6.4	CYANO_C	BP	Winter	1924186	91.5	Poor
CB6.4	DIATOM_C	AP	Annual	178560000	44.5	Fair
CB6.4	DIATOM_C	AP	Fall	171810000	63.7	Good
CB6.4	DIATOM_C	AP	SAV1	127170000	38.4	Poor
CB6.4	DIATOM_C	AP	SAV2	141630000	35.3	Poor
CB6.4	DIATOM_C	AP	Spring1	285690000	27.4	Poor
CB6.4	DIATOM_C	AP	Spring2	238680000	25.8	Poor
CB6.4	DIATOM_C	AP	Summer1	114880000	37.5	Poor
CB6.4	DIATOM_C	AP	Summer2	125700000	44	Fair
CB6.4	DIATOM_C	AP	Winter	476960000	51.7	Fair
CB6.4	DIATOM_C	BP	Annual	259610000	52.2	Fair
CB6.4	DIATOM_C	BP	Fall	217620000	68.6	Good
CB6.4	DIATOM_C	BP	SAV1	235990000	45.7	Fair
CB6.4	DIATOM_C	BP	SAV2	235030000	52.7	Fair
CB6.4	DIATOM_C	BP	Spring1	441850000	33.4	Poor
CB6.4	DIATOM_C	BP	Spring2	332780000	35.3	Poor
CB6.4	DIATOM_C	BP	Summer1	180820000	57	Fair
CB6.4	DIATOM_C	BP	Summer2	187980000	59	Good
CB6.4	DIATOM_C	BP	Winter	394720000	31.3	Poor
CB6.4	DINOFL_C	AP	Annual	93149208	63.9	Poor
CB6.4	DINOFL_C	AP	Fall	61856467	60.7	Poor
CB6.4	DINOFL_C	AP	SAV1	88149556	64.6	Poor
CB6.4	DINOFL_C	AP	SAV2	191190000	74.3	Poor
CB6.4	DINOFL_C	AP	Spring1	191190000	75.8	Poor
CB6.4	DINOFL_C	AP	Spring2	228490000	74.7	Poor
CB6.4	DINOFL_C	AP	Summer1	135450000	63.2	Poor
CB6.4	DINOFL_C	AP	Summer2	138840000	65.4	Poor
CB6.4	DINOFL_C	AP	Winter	56027645	62.6	Poor
CB6.4	DINOFL_C	BP	Annual	46789207	63.3	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
CB6.4	DINOFL_C	BP	Fall	2533568	41.9	Fair
CB6.4	DINOFL_C	BP	SAV1	19879780	51.9	Fair
CB6.4	DINOFL_C	BP	SAV2	46789207	60.4	Poor
CB6.4	DINOFL_C	BP	Spring1	22381359	47	Fair
CB6.4	DINOFL_C	BP	Spring2	66202007	57	Fair
CB6.4	DINOFL_C	BP	Summer1	82173715	73	Poor
CB6.4	DINOFL_C	BP	Summer2	41908012	63.9	Poor
CB6.4	DINOFL_C	BP	Winter	65776739	69.1	Poor
CB6.4	MARGALEF	AP	Annual	2.57	54	Fair
CB6.4	MARGALEF	AP	Fall	2.53	44.2	Fair
CB6.4	MARGALEF	AP	SAV1	2.53	41.7	Poor
CB6.4	MARGALEF	AP	SAV2	2.41	37.9	Poor
CB6.4	MARGALEF	AP	Spring1	2.41	34.5	Poor
CB6.4	MARGALEF	AP	Spring2	2.39	36.8	Poor
CB6.4	MARGALEF	AP	Summer1	2.43	55.4	Fair
CB6.4	MARGALEF	AP	Summer2	2.62	70.2	Good
CB6.4	MARGALEF	AP	Winter	2.87	58.1	Fair
CB6.4	MARGALEF	BP	Annual	2.55	45	Fair
CB6.4	MARGALEF	BP	Fall	2.46	37.8	Poor
CB6.4	MARGALEF	BP	SAV1	2.41	37.8	Poor
CB6.4	MARGALEF	BP	SAV2	2.27	37	Poor
CB6.4	MARGALEF	BP	Spring1	2.45	40	Poor
CB6.4	MARGALEF	BP	Spring2	2.27	33.5	Poor
CB6.4	MARGALEF	BP	Summer1	2.07	24.7	Poor
CB6.4	MARGALEF	BP	Summer2	2.11	28.4	Poor
CB6.4	MARGALEF	BP	Winter	3.47	86.6	Good
CB6.4	PICO_C	AP	Annual	152190000	76.9	Poor
CB6.4	PICO_C	AP	Fall	66502857	73.7	Poor
CB6.4	PICO_C	AP	SAV1	22506000	61.3	Poor
CB6.4	PICO_C	AP	SAV2	349350000	72.9	Poor
CB6.4	PICO_C	AP	Spring1	19814640	66.3	Poor
CB6.4	PICO_C	AP	Spring2	275910000	77.5	Poor
CB6.4	PICO_C	AP	Summer1	741330000	72.7	Poor
CB6.4	PICO_C	AP	Summer2	888420000	78.5	Poor
CB6.4	PICO_C	AP	Winter	13440000	74.1	Poor
CB6.4	PICO_C	BP	Annual	106320000	76.6	Poor
CB6.4	PICO_C	BP	Fall	44400000	67.1	Poor
CB6.4	PICO_C	BP	SAV1	19676160	58.1	Poor
CB6.4	PICO_C	BP	SAV2	244100000	74.1	Poor
CB6.4	PICO_C	BP	Spring1	14085855	61.3	Poor
CB6.4	PICO_C	BP	Spring2	140760000	81.3	Poor
CB6.4	PICO_C	BP	Summer1	376050000	71	Poor
CB6.4	PICO_C	BP	Summer2	407220000	75	Poor
CB6.4	PICO_C	BP	Winter	12205500	65.3	Poor
CB6.4	PROCAR_C	AP	Annual	0.000	38.7	Good
CB6.4	PROCAR_C	AP	Fall	0.000	40.8	Good
CB6.4	PROCAR_C	AP	SAV1	0.010	39.2	Good

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
CB6.4	PROCAR_C	AP	SAV2	0.000	35.9	Good
CB6.4	PROCAR_C	AP	Spring1	0.010	41.4	Good
CB6.4	PROCAR_C	AP	Spring2	0.000	38.5	Good
CB6.4	PROCAR_C	AP	Summer1	0.010	33.3	Good
CB6.4	PROCAR_C	AP	Summer2	0.010	33.1	Good
CB6.4	PROCAR_C	AP	Winter	0.000	42.1	Fair
CB6.4	PROCAR_C	BP	Annual	0.000	40.2	Good
CB6.4	PROCAR_C	BP	Fall	0.010	41.5	Good
CB6.4	PROCAR_C	BP	SAV1	0.010	40.6	Good
CB6.4	PROCAR_C	BP	SAV2	0.010	37.9	Good
CB6.4	PROCAR_C	BP	Spring1	0.000	42.1	Good
CB6.4	PROCAR_C	BP	Spring2	0.000	39.7	Good
CB6.4	PROCAR_C	BP	Summer1	0.000	36.9	Good
CB6.4	PROCAR_C	BP	Summer2	0.010	36.9	Good
CB6.4	PROCAR_C	BP	Winter	0.000	44.5	Fair
CB6.4	RATIO	AP	Annual	88.300	34.3	Poor
CB6.4	RATIO	AP	Fall	73.400	41.3	Fair
CB6.4	RATIO	AP	SAV1	74.770	26.3	Poor
CB6.4	RATIO	AP	SAV2	99.340	34.7	Poor
CB6.4	RATIO	AP	Spring1	91.870	16.4	Poor
CB6.4	RATIO	AP	Spring2	99.340	24.5	Poor
CB6.4	RATIO	AP	Summer1	93.740	38.1	Poor
CB6.4	RATIO	AP	Summer2	118.230	53.5	Fair
CB6.4	RATIO	AP	Winter	90.750	38	Poor
CB6.4	RATIO	BP	Annual	86.490	30	Poor
CB6.4	RATIO	BP	Fall	60.870	32.9	Poor
CB6.4	RATIO	BP	SAV1	62.730	18.5	Poor
CB6.4	RATIO	BP	SAV2	83.940	24.3	Poor
CB6.4	RATIO	BP	Spring1	110.930	28.1	Poor
CB6.4	RATIO	BP	Spring2	132.270	38	Poor
CB6.4	RATIO	BP	Summer1	87.650	38	Poor
CB6.4	RATIO	BP	Summer2	73.470	30.8	Poor
CB6.4	RATIO	BP	Winter	156.150	63.6	Good
CB6.4	TOTBMASS	AP	Annual	349090000	32	Poor
CB6.4	TOTBMASS	AP	Fall	256230000	43.9	Fair
CB6.4	TOTBMASS	AP	SAV1	327780000	29.9	Poor
CB6.4	TOTBMASS	AP	SAV2	400560000	26.8	Poor
CB6.4	TOTBMASS	AP	Spring1	531730000	20.4	Poor
CB6.4	TOTBMASS	AP	Spring2	531730000	22.9	Poor
CB6.4	TOTBMASS	AP	Summer1	301490000	20.7	Poor
CB6.4	TOTBMASS	AP	Summer2	374750000	28	Poor
CB6.4	TOTBMASS	AP	Winter	542500000	41.4	Fair
CB6.4	TOTBMASS	BP	Annual	442060000	49.7	Fair
CB6.4	TOTBMASS	BP	Fall	241510000	56.3	Fair
CB6.4	TOTBMASS	BP	SAV1	282930000	33.8	Poor
CB6.4	TOTBMASS	BP	SAV2	424010000	44.5	Fair
CB6.4	TOTBMASS	BP	Spring1	499130000	22.5	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
CB6.4	TOTBMASS	BP	Spring2	542990000	35.1	Poor
CB6.4	TOTBMASS	BP	Summer1	416380000	57.6	Fair
CB6.4	TOTBMASS	BP	Summer2	290650000	46.1	Fair
CB6.4	TOTBMASS	BP	Winter	555430000	33.7	Poor
CB7.3E	CHLORO_C	AP	Annual	5847	67.3	Good
CB7.3E	CHLORO_C	AP	Fall	0	23.5	Poor
CB7.3E	CHLORO_C	AP	SAV1	3654	56.7	Good
CB7.3E	CHLORO_C	AP	SAV2	1462	58.7	Good
CB7.3E	CHLORO_C	AP	Spring1	179196	64.6	Good
CB7.3E	CHLORO_C	AP	Spring2	7951	53	Fair
CB7.3E	CHLORO_C	AP	Winter	1462	60.7	Good
CB7.3E	CHLORO_C	BP	Annual	257498	86.2	Good
CB7.3E	CHLORO_C	BP	Fall	977103	96.6	Good
CB7.3E	CHLORO_C	BP	SAV1	512343	85.8	Good
CB7.3E	CHLORO_C	BP	SAV2	571841	87.2	Good
CB7.3E	CHLORO_C	BP	Spring1	83884	62.3	Good
CB7.3E	CHLORO_C	BP	Spring2	571841	77.4	Good
CB7.3E	CHLORO_C	BP	Winter	0	15	Poor
CB7.3E	CYANO	AP	Annual	444288	84.9	Poor
CB7.3E	CYANO	AP	Fall	157504	88.7	Poor
CB7.3E	CYANO	AP	SAV1	489189	85.2	Poor
CB7.3E	CYANO	AP	SAV2	444288	79.9	Poor
CB7.3E	CYANO	AP	Spring1	616320	85.1	Poor
CB7.3E	CYANO	AP	Spring2	403898	79.3	Poor
CB7.3E	CYANO	AP	Summer1	468994	78.1	Poor
CB7.3E	CYANO	AP	Summer2	534089	78.2	Poor
CB7.3E	CYANO	AP	Winter	1183558	94.7	Poor
CB7.3E	CYANO	BP	Annual	417280	89.3	Poor
CB7.3E	CYANO	BP	Fall	500736	92.4	Poor
CB7.3E	CYANO	BP	SAV1	758080	90.1	Poor
CB7.3E	CYANO	BP	SAV2	333824	86.1	Poor
CB7.3E	CYANO	BP	Spring1	753280	89.2	Poor
CB7.3E	CYANO	BP	Spring2	333824	85.9	Poor
CB7.3E	CYANO	BP	Summer1	312089	85.5	Poor
CB7.3E	CYANO	BP	Summer2	331024	84.7	Poor
CB7.3E	CYANO	BP	Winter	278187	94.3	Poor
CB7.3E	CYANO_C	AP	Annual	2563628	81.4	Poor
CB7.3E	CYANO_C	AP	Fall	1197030	89.9	Poor
CB7.3E	CYANO_C	AP	SAV1	2672894	81.8	Poor
CB7.3E	CYANO_C	AP	SAV2	2563628	76	Poor
CB7.3E	CYANO_C	AP	Spring1	2782159	77.9	Poor
CB7.3E	CYANO_C	AP	Spring2	2459556	72.9	Poor
CB7.3E	CYANO_C	AP	Summer1	2511592	73.7	Poor
CB7.3E	CYANO_C	AP	Summer2	2563628	73.5	Poor
CB7.3E	CYANO_C	AP	Winter	2682731	86.3	Poor
CB7.3E	CYANO_C	BP	Annual	2161037	84.8	Poor
CB7.3E	CYANO_C	BP	Fall	1856061	89.7	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
CB7.3E	CYANO_C	BP	SAV1	3765645	85.8	Poor
CB7.3E	CYANO_C	BP	SAV2	2161037	80	Poor
CB7.3E	CYANO_C	BP	Spring1	4304653	83.7	Poor
CB7.3E	CYANO_C	BP	Spring2	2435246	77.3	Poor
CB7.3E	CYANO_C	BP	Summer1	1782394	79	Poor
CB7.3E	CYANO_C	BP	Summer2	2161037	80.1	Poor
CB7.3E	CYANO_C	BP	Winter	1656859	91.2	Poor
CB7.3E	DIATOM_C	AP	Annual	275180000	55.4	Fair
CB7.3E	DIATOM_C	AP	Fall	279600000	71.5	Good
CB7.3E	DIATOM_C	AP	SAV1	287610000	54.2	Fair
CB7.3E	DIATOM_C	AP	SAV2	279600000	55.4	Fair
CB7.3E	DIATOM_C	AP	Spring1	166110000	16.4	Poor
CB7.3E	DIATOM_C	AP	Spring2	137030000	18.9	Poor
CB7.3E	DIATOM_C	AP	Summer1	203080000	47.5	Fair
CB7.3E	DIATOM_C	AP	Summer2	281610000	68.3	Good
CB7.3E	DIATOM_C	AP	Winter	275290000	35.2	Poor
CB7.3E	DIATOM_C	BP	Annual	278670000	53.1	Fair
CB7.3E	DIATOM_C	BP	Fall	374800000	78.8	Good
CB7.3E	DIATOM_C	BP	SAV1	404190000	58.9	Good
CB7.3E	DIATOM_C	BP	SAV2	146490000	41.4	Poor
CB7.3E	DIATOM_C	BP	Spring1	431880000	33.5	Poor
CB7.3E	DIATOM_C	BP	Spring2	116760000	17.1	Poor
CB7.3E	DIATOM_C	BP	Summer1	174670000	59.7	Good
CB7.3E	DIATOM_C	BP	Summer2	343570000	77.6	Good
CB7.3E	DIATOM_C	BP	Winter	278670000	21.1	Poor
CB7.3E	DINOFL_C	AP	Annual	58518436	53.6	Fair
CB7.3E	DINOFL_C	AP	Fall	48163664	56.3	Fair
CB7.3E	DINOFL_C	AP	SAV1	56372059	55.7	Fair
CB7.3E	DINOFL_C	AP	SAV2	118350000	62.4	Poor
CB7.3E	DINOFL_C	AP	Spring1	58963551	55.8	Fair
CB7.3E	DINOFL_C	AP	Spring2	232600000	74.5	Poor
CB7.3E	DINOFL_C	AP	Summer1	164170000	60.4	Poor
CB7.3E	DINOFL_C	AP	Summer2	118350000	60.8	Poor
CB7.3E	DINOFL_C	AP	Winter	20302880	42.5	Fair
CB7.3E	DINOFL_C	BP	Annual	20799755	56.1	Fair
CB7.3E	DINOFL_C	BP	Fall	10778451	56.7	Fair
CB7.3E	DINOFL_C	BP	SAV1	32967033	58.7	Poor
CB7.3E	DINOFL_C	BP	SAV2	31358433	55.7	Fair
CB7.3E	DINOFL_C	BP	Spring1	19776633	46	Fair
CB7.3E	DINOFL_C	BP	Spring2	41614744	54.4	Fair
CB7.3E	DINOFL_C	BP	Summer1	33731623	57.7	Poor
CB7.3E	DINOFL_C	BP	Summer2	27313753	57.1	Fair
CB7.3E	DINOFL_C	BP	Winter	20286114	52.6	Fair
CB7.3E	MARGALEF	AP	Annual	2.73	63.1	Good
CB7.3E	MARGALEF	AP	Fall	3.22	82.2	Good
CB7.3E	MARGALEF	AP	SAV1	2.64	58.2	Good
CB7.3E	MARGALEF	AP	SAV2	2.64	62.9	Good

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
CB7.3E	MARGALEF	AP	Spring1	2.80	78.6	Good
CB7.3E	MARGALEF	AP	Spring2	2.80	76.6	Good
CB7.3E	MARGALEF	AP	Summer1	2.48	52.1	Fair
CB7.3E	MARGALEF	AP	Summer2	2.39	52.5	Fair
CB7.3E	MARGALEF	AP	Winter	2.83	55.7	Fair
CB7.3E	MARGALEF	BP	Annual	2.67	59.8	Good
CB7.3E	MARGALEF	BP	Fall	2.89	65.5	Good
CB7.3E	MARGALEF	BP	SAV1	2.82	65.5	Good
CB7.3E	MARGALEF	BP	SAV2	2.50	55.7	Fair
CB7.3E	MARGALEF	BP	Spring1	2.81	68.6	Good
CB7.3E	MARGALEF	BP	Spring2	2.14	19.5	Poor
CB7.3E	MARGALEF	BP	Summer1	2.49	60.8	Good
CB7.3E	MARGALEF	BP	Summer2	2.60	67.5	Good
CB7.3E	MARGALEF	BP	Winter	2.80	52.4	Fair
CB7.3E	PICO_C	AP	Annual	99120000	71.5	Poor
CB7.3E	PICO_C	AP	Fall	38400000	60.8	Poor
CB7.3E	PICO_C	AP	SAV1	36290685	54.7	Fair
CB7.3E	PICO_C	AP	SAV2	337980000	71.9	Poor
CB7.3E	PICO_C	AP	Spring1	11612160	51.3	Fair
CB7.3E	PICO_C	AP	Spring2	303600000	80	Poor
CB7.3E	PICO_C	AP	Summer1	407940000	50.9	Fair
CB7.3E	PICO_C	AP	Summer2	369000000	52.4	Fair
CB7.3E	PICO_C	AP	Winter	10800000	67.1	Poor
CB7.3E	PICO_C	BP	Annual	98592000	76	Poor
CB7.3E	PICO_C	BP	Fall	49920000	70	Poor
CB7.3E	PICO_C	BP	SAV1	49657200	64.7	Poor
CB7.3E	PICO_C	BP	SAV2	297120000	78.1	Poor
CB7.3E	PICO_C	BP	Spring1	15061500	54.5	Fair
CB7.3E	PICO_C	BP	Spring2	273360000	81.9	Poor
CB7.3E	PICO_C	BP	Summer1	378420000	76.1	Poor
CB7.3E	PICO_C	BP	Summer2	443520000	77.4	Poor
CB7.3E	PICO_C	BP	Winter	14736000	71.3	Poor
CB7.3E	PROCAR_C	AP	Annual	0.010	38.8	Good
CB7.3E	PROCAR_C	AP	Fall	0.000	41.1	Good
CB7.3E	PROCAR_C	AP	SAV1	0.010	39.3	Good
CB7.3E	PROCAR_C	AP	SAV2	0.010	36	Good
CB7.3E	PROCAR_C	AP	Spring1	0.010	42	Fair
CB7.3E	PROCAR_C	AP	Spring2	0.000	38.4	Good
CB7.3E	PROCAR_C	AP	Summer1	0.010	33.4	Good
CB7.3E	PROCAR_C	AP	Summer2	0.010	33	Good
CB7.3E	PROCAR_C	AP	Winter	0.010	50.8	Fair
CB7.3E	PROCAR_C	BP	Annual	0.010	40.3	Good
CB7.3E	PROCAR_C	BP	Fall	0.010	41.5	Good
CB7.3E	PROCAR_C	BP	SAV1	0.010	40.6	Good
CB7.3E	PROCAR_C	BP	SAV2	0.000	37.9	Good
CB7.3E	PROCAR_C	BP	Spring1	0.010	43.5	Fair
CB7.3E	PROCAR_C	BP	Spring2	0.000	39.7	Good

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
CB7.3E	PROCAR_C	BP	Summer1	0.000	36.8	Good
CB7.3E	PROCAR_C	BP	Summer2	0.000	36.8	Good
CB7.3E	PROCAR_C	BP	Winter	0.010	45	Fair
CB7.3E	RATIO	AP	Annual	99.490	37.2	Poor
CB7.3E	RATIO	AP	Fall	77.050	43.7	Fair
CB7.3E	RATIO	AP	SAV1	88.270	30.7	Poor
CB7.3E	RATIO	AP	SAV2	125.970	45.8	Fair
CB7.3E	RATIO	AP	Spring1	134.310	33.2	Poor
CB7.3E	RATIO	AP	Spring2	116.840	24.2	Poor
CB7.3E	RATIO	AP	Summer1	122.550	52.8	Fair
CB7.3E	RATIO	AP	Summer2	141.760	64.9	Good
CB7.3E	RATIO	AP	Winter	86.620	35.6	Poor
CB7.3E	RATIO	BP	Annual	79.280	30.1	Poor
CB7.3E	RATIO	BP	Fall	84.960	50.8	Fair
CB7.3E	RATIO	BP	SAV1	97.670	35.1	Poor
CB7.3E	RATIO	BP	SAV2	73.600	22.8	Poor
CB7.3E	RATIO	BP	Spring1	79.280	13.5	Poor
CB7.3E	RATIO	BP	Spring2	89.160	23	Poor
CB7.3E	RATIO	BP	Summer1	72.640	25.6	Poor
CB7.3E	RATIO	BP	Summer2	67.150	26.9	Poor
CB7.3E	RATIO	BP	Winter	92.590	35	Poor
CB7.3E	TOTBMASS	AP	Annual	463230000	38.8	Poor
CB7.3E	TOTBMASS	AP	Fall	541840000	72.4	Good
CB7.3E	TOTBMASS	AP	SAV1	471720000	39.7	Poor
CB7.3E	TOTBMASS	AP	SAV2	540850000	36.9	Poor
CB7.3E	TOTBMASS	AP	Spring1	391590000	16.4	Poor
CB7.3E	TOTBMASS	AP	Spring2	540850000	22.7	Poor
CB7.3E	TOTBMASS	AP	Summer1	468150000	34.5	Poor
CB7.3E	TOTBMASS	AP	Summer2	473070000	36.1	Poor
CB7.3E	TOTBMASS	AP	Winter	302240000	20.9	Poor
CB7.3E	TOTBMASS	BP	Annual	373970000	44.1	Fair
CB7.3E	TOTBMASS	BP	Fall	407510000	74.6	Good
CB7.3E	TOTBMASS	BP	SAV1	517760000	52	Fair
CB7.3E	TOTBMASS	BP	SAV2	330350000	39.5	Poor
CB7.3E	TOTBMASS	BP	Spring1	562870000	26.4	Poor
CB7.3E	TOTBMASS	BP	Spring2	330350000	23.1	Poor
CB7.3E	TOTBMASS	BP	Summer1	350270000	54.1	Fair
CB7.3E	TOTBMASS	BP	Summer2	370180000	56.8	Fair
CB7.3E	TOTBMASS	BP	Winter	345020000	18.9	Poor
CB7.4	CHLORO_C	AP	Annual	1262	35.4	Poor
CB7.4	CHLORO_C	AP	Fall	215567	82.9	Good
CB7.4	CHLORO_C	AP	SAV1	58585	63.9	Good
CB7.4	CHLORO_C	AP	SAV2	0	13.8	Poor
CB7.4	CHLORO_C	AP	Spring1	116107	61.8	Good
CB7.4	CHLORO_C	AP	Spring2	1462	22.7	Poor
CB7.4	CHLORO_C	AP	Winter	1462	38.7	Poor
CB7.4	CHLORO_C	BP	Annual	113339	82.8	Good

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
CB7.4	CHLORO_C	BP	Fall	0	24.8	Poor
CB7.4	CHLORO_C	BP	SAV1	10228	64.1	Good
CB7.4	CHLORO_C	BP	SAV2	348965	86	Good
CB7.4	CHLORO_C	BP	Spring1	18995	52.1	Fair
CB7.4	CHLORO_C	BP	Spring2	2420131	84.1	Good
CB7.4	CHLORO_C	BP	Winter	0	15	Poor
CB7.4	CYANO	AP	Annual	335372	84	Poor
CB7.4	CYANO	AP	Fall	211751	89.5	Poor
CB7.4	CYANO	AP	SAV1	409822	84.4	Poor
CB7.4	CYANO	AP	SAV2	335826	78.8	Poor
CB7.4	CYANO	AP	Spring1	463577	83.5	Poor
CB7.4	CYANO	AP	Spring2	463577	80.9	Poor
CB7.4	CYANO	AP	Summer1	207216	74.7	Poor
CB7.4	CYANO	AP	Summer2	232832	73	Poor
CB7.4	CYANO	AP	Winter	326784	91.8	Poor
CB7.4	CYANO	BP	Annual	229206	86.6	Poor
CB7.4	CYANO	BP	Fall	219494	90.1	Poor
CB7.4	CYANO	BP	SAV1	221747	85.4	Poor
CB7.4	CYANO	BP	SAV2	266573	84.4	Poor
CB7.4	CYANO	BP	Spring1	191744	82.9	Poor
CB7.4	CYANO	BP	Spring2	514645	84.9	Poor
CB7.4	CYANO	BP	Summer1	294237	84.5	Poor
CB7.4	CYANO	BP	Summer2	266573	83.6	Poor
CB7.4	CYANO	BP	Winter	202509	93.1	Poor
CB7.4	CYANO_C	AP	Annual	1945942	80.4	Poor
CB7.4	CYANO_C	AP	Fall	1551569	90.4	Poor
CB7.4	CYANO_C	AP	SAV1	2206031	81	Poor
CB7.4	CYANO_C	AP	SAV2	1764375	74.6	Poor
CB7.4	CYANO_C	AP	Spring1	2557092	77.4	Poor
CB7.4	CYANO_C	AP	Spring2	2364798	73.2	Poor
CB7.4	CYANO_C	AP	Summer1	1355534	71.3	Poor
CB7.4	CYANO_C	AP	Summer2	1602432	71.2	Poor
CB7.4	CYANO_C	AP	Winter	1887166	85.2	Poor
CB7.4	CYANO_C	BP	Annual	1452120	83.4	Poor
CB7.4	CYANO_C	BP	Fall	1668157	89.3	Poor
CB7.4	CYANO_C	BP	SAV1	1685279	82.9	Poor
CB7.4	CYANO_C	BP	SAV2	1913303	79.2	Poor
CB7.4	CYANO_C	BP	Spring1	1457254	78.8	Poor
CB7.4	CYANO_C	BP	Spring2	1944300	78.3	Poor
CB7.4	CYANO_C	BP	Summer1	1928801	79.9	Poor
CB7.4	CYANO_C	BP	Summer2	1913303	79.6	Poor
CB7.4	CYANO_C	BP	Winter	1153234	90.3	Poor
CB7.4	DIATOM_C	AP	Annual	264790000	53.9	Fair
CB7.4	DIATOM_C	AP	Fall	390550000	75.7	Good
CB7.4	DIATOM_C	AP	SAV1	323450000	56.5	Fair
CB7.4	DIATOM_C	AP	SAV2	217490000	48.3	Fair
CB7.4	DIATOM_C	AP	Spring1	163120000	16.1	Poor

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
CB7.4	DIATOM_C	AP	Spring2	150580000	14.2	Poor
CB7.4	DIATOM_C	AP	Summer1	198060000	57.6	Good
CB7.4	DIATOM_C	AP	Summer2	253930000	65.4	Good
CB7.4	DIATOM_C	AP	Winter	571970000	59.4	Good
CB7.4	DIATOM_C	BP	Annual	340220000	57.5	Good
CB7.4	DIATOM_C	BP	Fall	360630000	77.4	Good
CB7.4	DIATOM_C	BP	SAV1	286600000	50.5	Fair
CB7.4	DIATOM_C	BP	SAV2	283820000	57.2	Good
CB7.4	DIATOM_C	BP	Spring1	170180000	13.6	Poor
CB7.4	DIATOM_C	BP	Spring2	206270000	33.1	Poor
CB7.4	DIATOM_C	BP	Summer1	310400000	72.3	Good
CB7.4	DIATOM_C	BP	Summer2	336990000	77.1	Good
CB7.4	DIATOM_C	BP	Winter	524430000	47.4	Fair
CB7.4	DINOFL_C	AP	Annual	52671722	51.3	Fair
CB7.4	DINOFL_C	AP	Fall	33350127	49.6	Fair
CB7.4	DINOFL_C	AP	SAV1	52671722	54.5	Fair
CB7.4	DINOFL_C	AP	SAV2	51533185	41.3	Good
CB7.4	DINOFL_C	AP	Spring1	51533185	53.4	Fair
CB7.4	DINOFL_C	AP	Spring2	39944825	32.6	Good
CB7.4	DINOFL_C	AP	Summer1	59611308	40.9	Good
CB7.4	DINOFL_C	AP	Summer2	65412357	43	Fair
CB7.4	DINOFL_C	AP	Winter	91333462	54.3	Fair
CB7.4	DINOFL_C	BP	Annual	33399842	60.4	Poor
CB7.4	DINOFL_C	BP	Fall	46202898	70.3	Poor
CB7.4	DINOFL_C	BP	SAV1	13833274	48.9	Fair
CB7.4	DINOFL_C	BP	SAV2	17086797	52.4	Fair
CB7.4	DINOFL_C	BP	Spring1	10579750	37.9	Good
CB7.4	DINOFL_C	BP	Spring2	10579750	46.5	Fair
CB7.4	DINOFL_C	BP	Summer1	54143689	68.6	Poor
CB7.4	DINOFL_C	BP	Summer2	47363314	65.8	Poor
CB7.4	DINOFL_C	BP	Winter	7519754	38	Good
CB7.4	MARGALEF	AP	Annual	2.77	64.5	Good
CB7.4	MARGALEF	AP	Fall	3.16	78.6	Good
CB7.4	MARGALEF	AP	SAV1	2.85	72.6	Good
CB7.4	MARGALEF	AP	SAV2	2.64	62.7	Good
CB7.4	MARGALEF	AP	Spring1	2.64	67.3	Good
CB7.4	MARGALEF	AP	Spring2	2.50	46.1	Fair
CB7.4	MARGALEF	AP	Summer1	2.29	42	Poor
CB7.4	MARGALEF	AP	Summer2	2.85	82.3	Good
CB7.4	MARGALEF	AP	Winter	2.62	33.3	Poor
CB7.4	MARGALEF	BP	Annual	2.80	68.3	Good
CB7.4	MARGALEF	BP	Fall	2.99	70.6	Good
CB7.4	MARGALEF	BP	SAV1	2.61	51.3	Fair
CB7.4	MARGALEF	BP	SAV2	2.82	74.8	Good
CB7.4	MARGALEF	BP	Spring1	2.53	44.3	Fair
CB7.4	MARGALEF	BP	Spring2	2.28	40.6	Poor
CB7.4	MARGALEF	BP	Summer1	2.83	81.8	Good

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
CB7.4	MARGALEF	BP	Summer2	3.15	91.4	Good
CB7.4	MARGALEF	BP	Winter	2.80	63.9	Good
CB7.4	PICO_C	AP	Annual	50188500	51.8	Fair
CB7.4	PICO_C	AP	Fall	33349838	57.1	Fair
CB7.4	PICO_C	AP	SAV1	28803075	49.2	Fair
CB7.4	PICO_C	AP	SAV2	259200000	68.7	Poor
CB7.4	PICO_C	AP	Spring1	16797000	61.4	Poor
CB7.4	PICO_C	AP	Spring2	221160000	76.3	Poor
CB7.4	PICO_C	AP	Summer1	509080000	59.4	Poor
CB7.4	PICO_C	AP	Summer2	548160000	65.3	Poor
CB7.4	PICO_C	AP	Winter	13152000	55.7	Fair
CB7.4	PICO_C	BP	Annual	44160000	51.1	Fair
CB7.4	PICO_C	BP	Fall	45024000	67.5	Poor
CB7.4	PICO_C	BP	SAV1	37312275	56.3	Fair
CB7.4	PICO_C	BP	SAV2	114020000	54.1	Fair
CB7.4	PICO_C	BP	Spring1	21283500	64.8	Poor
CB7.4	PICO_C	BP	Spring2	114020000	57.1	Fair
CB7.4	PICO_C	BP	Summer1	155400000	39.6	Good
CB7.4	PICO_C	BP	Summer2	152640000	40	Good
CB7.4	PICO_C	BP	Winter	13104000	65.7	Poor
CB7.4	PROCAR_C	AP	Annual	0.010	38.7	Good
CB7.4	PROCAR_C	AP	Fall	0.010	41.3	Good
CB7.4	PROCAR_C	AP	SAV1	0.010	39.3	Good
CB7.4	PROCAR_C	AP	SAV2	0.010	35.9	Good
CB7.4	PROCAR_C	AP	Spring1	0.010	42.3	Fair
CB7.4	PROCAR_C	AP	Spring2	0.010	39.1	Good
CB7.4	PROCAR_C	AP	Summer1	0.010	33.3	Good
CB7.4	PROCAR_C	AP	Summer2	0.000	32.9	Good
CB7.4	PROCAR_C	AP	Winter	0.000	43.8	Fair
CB7.4	PROCAR_C	BP	Annual	0.000	40	Good
CB7.4	PROCAR_C	BP	Fall	0.000	41.2	Good
CB7.4	PROCAR_C	BP	SAV1	0.000	40.5	Good
CB7.4	PROCAR_C	BP	SAV2	0.000	37.9	Good
CB7.4	PROCAR_C	BP	Spring1	0.010	42.6	Fair
CB7.4	PROCAR_C	BP	Spring2	0.010	40.2	Good
CB7.4	PROCAR_C	BP	Summer1	0.000	36.9	Good
CB7.4	PROCAR_C	BP	Summer2	0.000	36.8	Good
CB7.4	PROCAR_C	BP	Winter	0.000	43.8	Fair
CB7.4	RATIO	AP	Annual	108.840	44.2	Fair
CB7.4	RATIO	AP	Fall	140.440	72.3	Good
CB7.4	RATIO	AP	SAV1	116.870	44	Fair
CB7.4	RATIO	AP	SAV2	81.680	29.2	Poor
CB7.4	RATIO	AP	Spring1	97.220	19.9	Poor
CB7.4	RATIO	AP	Spring2	81.680	20.3	Poor
CB7.4	RATIO	AP	Summer1	77.220	23.7	Poor
CB7.4	RATIO	AP	Summer2	72.760	24.3	Poor
CB7.4	RATIO	AP	Winter	154.830	65.2	Good

Appendix D. Continued.

Station	Parameter	Layer	Season	Value	Score	Status
CB7.4	RATIO	BP	Annual	91.450	36.2	Poor
CB7.4	RATIO	BP	Fall	101.430	60.1	Good
CB7.4	RATIO	BP	SAV1	94.940	34.1	Poor
CB7.4	RATIO	BP	SAV2	91.000	29.4	Poor
CB7.4	RATIO	BP	Spring1	103.680	21.1	Poor
CB7.4	RATIO	BP	Spring2	76.090	14.5	Poor
CB7.4	RATIO	BP	Summer1	83.550	31.2	Poor
CB7.4	RATIO	BP	Summer2	91.000	41.1	Poor
CB7.4	RATIO	BP	Winter	168.270	48.9	Fair
CB7.4	TOTBMASS	AP	Annual	417970000	31	Poor
CB7.4	TOTBMASS	AP	Fall	541390000	72.4	Good
CB7.4	TOTBMASS	AP	SAV1	521460000	43.2	Fair
CB7.4	TOTBMASS	AP	SAV2	327680000	21.7	Poor
CB7.4	TOTBMASS	AP	Spring1	312870000	12.1	Poor
CB7.4	TOTBMASS	AP	Spring2	204760000	9.4	Poor
CB7.4	TOTBMASS	AP	Summer1	349430000	23	Poor
CB7.4	TOTBMASS	AP	Summer2	464760000	35.5	Poor
CB7.4	TOTBMASS	AP	Winter	767780000	51.5	Fair
CB7.4	TOTBMASS	BP	Annual	375610000	44.4	Fair
CB7.4	TOTBMASS	BP	Fall	420190000	74.9	Good
CB7.4	TOTBMASS	BP	SAV1	357280000	40.1	Poor
CB7.4	TOTBMASS	BP	SAV2	361190000	43	Fair
CB7.4	TOTBMASS	BP	Spring1	353370000	15.1	Poor
CB7.4	TOTBMASS	BP	Spring2	353370000	25.3	Poor
CB7.4	TOTBMASS	BP	Summer1	363870000	54.7	Fair
CB7.4	TOTBMASS	BP	Summer2	361190000	55.8	Fair
CB7.4	TOTBMASS	BP	Winter	536720000	39.7	Poor

Appendix E. Long term trends in phytoplankton bioindicators at the Virginia tributary and mainstem stations from the start of monitoring through 2002. 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	% Change	Absolute	p value	Direction	Homogeniety Test p value
TF5.5	CHLORO	Annual	AP	845964	216433	409	3462931	<0.0001	Improving	0.9853
TF5.5	CHLORO	Annual	BP	1091046	179637	263	2874192	<0.0001	Improving	0.8565
TF5.5	CHLORO_C	Annual	AP	16502799	29740792	2883	475852675	<0.0001	Improving	0.9631
TF5.5	CHLORO_C	Annual	BP	18632630	31640711	2717	506251374	<0.0001	Improving	0.9751
TF5.5	CRYPTO	Annual	AP	476008	75409	253	1206543	<0.0001	Increasing	0.8480
TF5.5	CRYPTO	Annual	BP	426752	67797	254	1084746	<0.0001	Increasing	0.9270
TF5.5	CRYPTO_C	Annual	AP	11428952	1810569	253	28969102	<0.0001	Increasing	0.8480
TF5.5	CRYPTO_C	Annual	BP	10246316	1627797	254	26044758	<0.0001	Increasing	0.9270
TF5.5	CYANO	Annual	AP	5492597	357797	104	5724753	<0.0001	Degrading	0.8975
TF5.5	CYANO	Annual	BP	6227438	330394	85	5286310	<0.0001	Degrading	0.6716
TF5.5	CYANO_C	Annual	AP	30754126	1460905	76	23374474	<0.0001	Degrading	0.7684
TF5.5	CYANO_C	Annual	BP	32678737	942262	46	15076196	<0.0001	Degrading	0.6317
TF5.5	DIATOM	Annual	AP	9170410	246027	43	3936432	0.0071	Improving	0.1233
TF5.5	DIATOM	Annual	BP	9880695	347965	56	5567440	0.0021	Improving	0.0791
TF5.5	DIATOM_C	Annual	AP	373070697	52989198	227	847827171	<0.0001	Improving	0.9101
TF5.5	DIATOM_C	Annual	BP	461666965	65131165	226	1042098637	<0.0001	Improving	0.5451
TF5.5	DINOFL_C	Annual	AP	457994	0	0	0	0.3405	No trend	0.2068
TF5.5	DINOFL_C	Annual	BP	101609	0	0	0	0.6093	No trend	0.0908
TF5.5	DINOFLG	Annual	AP	576	0	0	0	0.8064	No trend	0.4822
TF5.5	DINOFLG	Annual	BP	640	0	0	0	0.6274	No trend	0.1398
TF5.5	EVENNESS	Annual	AP	0.49	0.01	32.65	0.16	<0.0001	Improving	0.6282
TF5.5	EVENNESS	Annual	BP	0.46	0.01	34.78	0.16	<0.0001	Improving	0.7685
TF5.5	MARGALEF	Annual	AP	2.39	0.02	13.39	0.32	0.0221	Improving	0.9096
TF5.5	MARGALEF	Annual	BP	2.20	0.00	0.00	0.00	0.8223	No trend	0.0308
TF5.5	N_GENERA	Annual	AP	32.50	0.45	22.15	7.20	0.0001	Improving	0.8404
TF5.5	N_GENERA	Annual	BP	30.00	0.30	16.00	4.80	0.0375	Improving	0.0802
TF5.5	N_SP	Annual	AP	41.50	0.50	19.28	8.00	0.0005	Improving	0.9541
TF5.5	N_SP	Annual	BP	39.50	0.25	10.13	4.00	0.1426	No trend	0.0762
TF5.5	PROCAR_C	Annual	AP	0.05	0.00	0.00	0.00	0.5296	No trend	0.5528
TF5.5	PROCAR_C	Annual	BP	0.04	0.00	0.00	0.00	0.8223	No trend	0.4203
TF5.5	PROCARY	Annual	AP	0.35	0.02	91.43	0.32	0.0001	Degrading	0.5032
TF5.5	PROCARY	Annual	BP	0.35	0.01	45.71	0.16	0.0005	Degrading	0.1690
TF5.5	RATIO	Annual	AP	29.41	2.17	118.06	34.72	<0.0001	Improving	0.9387
TF5.5	RATIO	Annual	BP	22.87	2.31	161.61	36.96	<0.0001	Improving	0.7267
TF5.5	SHANNON	Annual	AP	2.44	0.06	39.34	0.96	<0.0001	Improving	0.9282
TF5.5	SHANNON	Annual	BP	2.42	0.06	39.67	0.96	<0.0001	Improving	0.8136
TF5.5	TOTABUND	Annual	AP	24027209	1262215	84	20195440	<0.0001	Increasing	0.3969
TF5.5	TOTABUND	Annual	BP	27650592	1180290	68	18884636	<0.0001	Increasing	0.9248
TF5.5	TOTBMASS	Annual	AP	573822028	107858324	301	1725733184	<0.0001	Increasing	0.8790
TF5.5	TOTBMASS	Annual	BP	701635400	122679405	280	1962870480	<0.0001	Increasing	0.7581
TF5.5	CHLORO	Fall	AP	540035	361660	1072	5786566	<0.0001	Improving	0.7430
TF5.5	CHLORO	Fall	BP	913795	203633	357	3258122	0.0025	Improving	0.7065
TF5.5	CHLORO_C	Fall	AP	8579541	41844583	7804	669513328	<0.0001	Improving	0.9492
TF5.5	CHLORO_C	Fall	BP	12804704	27619486	3451	441911773	0.0002	Improving	0.7203
TF5.5	CRYPTO	Fall	AP	176885	57713	522	923410	0.0109	Increasing	0.9545

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
TF5.5	CRYPTO	Fall	BP	403796	79767	316	1276276	0.0623	No trend	0.5532
TF5.5	CRYPTO_C	Fall	AP	4246997	1385692	522	22171074	0.0109	Increasing	0.9545
TF5.5	CRYPTO_C	Fall	BP	9695130	1915212	316	30643385	0.0623	No trend	0.5532
TF5.5	CYANO	Fall	AP	5070436	1148933	363	18382921	0.0018	Degrading	0.9533
TF5.5	CYANO	Fall	BP	14748572	530191	58	8483050	0.0964	No trend	0.5597
TF5.5	CYANO_C	Fall	AP	14689445	4213691	459	67419051	0.0015	Degrading	0.9364
TF5.5	CYANO_C	Fall	BP	94401393	2543650	43	40698399	0.0623	No trend	0.6485
TF5.5	DIATOM	Fall	AP	10334960	43787	7	700591	0.8403	No trend	0.7042
TF5.5	DIATOM	Fall	BP	17631769	89954	8	1439267	0.6503	No trend	0.1376
TF5.5	DIATOM_C	Fall	AP	475618526	47520116	160	760321854	0.0076	Improving	0.7354
TF5.5	DIATOM_C	Fall	BP	459612444	87946125	306	1407138006	0.0030	Improving	0.1470
TF5.5	DINOFL_C	Fall	AP	118698	0	0	0	0.2620	No trend	0.0205
TF5.5	DINOFL_C	Fall	BP	101609	0	0	0	0.8513	No trend	0.5597
TF5.5	DINOFLG	Fall	AP	192	0	0	0	0.7688	No trend	0.0826
TF5.5	DINOFLG	Fall	BP	512	0	0	0	0.9572	No trend	0.7950
TF5.5	EVENNESS	Fall	AP	0.50	0.01	32.00	0.16	0.0439	Improving	0.7329
TF5.5	EVENNESS	Fall	BP	0.46	0.01	34.78	0.16	0.3645	No trend	0.2183
TF5.5	MARGALEF	Fall	AP	2.13	0.04	30.05	0.64	0.0439	Improving	0.6064
TF5.5	MARGALEF	Fall	BP	2.32	0.00	0.00	0.00	0.7624	No trend	0.0885
TF5.5	N_GENERA	Fall	AP	30.50	0.80	41.97	12.80	0.0050	Improving	0.3303
TF5.5	N_GENERA	Fall	BP	32.00	0.15	7.50	2.40	0.6861	No trend	0.1790
TF5.5	N_SP	Fall	AP	37.50	0.91	38.83	14.56	0.0164	Improving	0.7547
TF5.5	N_SP	Fall	BP	41.00	0.00	0.00	0.00	0.8994	No trend	0.0976
TF5.5	PROCAR_C	Fall	AP	0.02	0.00	0.00	0.00	0.8799	No trend	0.6867
TF5.5	PROCAR_C	Fall	BP	0.13	0.00	0.00	0.00	0.8799	No trend	0.6148
TF5.5	PROCARY	Fall	AP	0.35	0.05	228.57	0.80	0.0179	Degrading	0.4801
TF5.5	PROCARY	Fall	BP	0.72	0.02	44.44	0.32	0.1440	No trend	0.1789
TF5.5	RATIO	Fall	AP	34.46	2.42	112.36	38.72	0.0021	Improving	0.3842
TF5.5	RATIO	Fall	BP	15.16	1.70	179.42	27.20	0.0065	Improving	0.4451
TF5.5	SHANNON	Fall	AP	2.51	0.05	31.87	0.80	0.0156	Improving	0.7164
TF5.5	SHANNON	Fall	BP	2.41	0.03	19.92	0.48	0.0867	No trend	0.3345
TF5.5	TOTABUND	Fall	AP	14384844	2122987	236	33967797	0.0088	Increasing	0.8728
TF5.5	TOTABUND	Fall	BP	37927161	1788082	75	28609318	0.1069	No trend	0.7296
TF5.5	TOTBMASS	Fall	AP	700281549	133391549	305	2134264784	0.0003	Increasing	0.8074
TF5.5	TOTBMASS	Fall	BP	795043936	191019922	384	3056318752	0.0007	Increasing	0.3216
TF5.5	CHLORO	SAV1	AP	772436	217748	451	3483973	<0.0001	Improving	0.8159
TF5.5	CHLORO	SAV1	BP	1053132	165620	252	2649920	<0.0001	Improving	0.4876
TF5.5	CHLORO_C	SAV1	AP	13674242	29496144	3451	471938301	<0.0001	Improving	0.7655
TF5.5	CHLORO_C	SAV1	BP	16423667	25708791	2505	411340654	<0.0001	Improving	0.7372
TF5.5	CRYPTO	SAV1	AP	423015	64966	246	1039457	0.0003	Increasing	0.7221
TF5.5	CRYPTO	SAV1	BP	403796	56381	223	902088	0.0011	Increasing	0.6820
TF5.5	CRYPTO_C	SAV1	AP	10156578	1559835	246	24957355	0.0003	Increasing	0.7221
TF5.5	CRYPTO_C	SAV1	BP	9695130	1353696	223	21659143	0.0011	Increasing	0.6820
TF5.5	CYANO	SAV1	AP	2949584	253682	138	4058916	0.0001	Degrading	0.5482
TF5.5	CYANO	SAV1	BP	3837161	328686	137	5258970	<0.0001	Degrading	0.5678
TF5.5	CYANO_C	SAV1	AP	10587371	1362100	206	21793601	0.0051	Degrading	0.6381
TF5.5	CYANO_C	SAV1	BP	15767891	1219334	124	19509350	0.0004	Degrading	0.6499
TF5.5	DIATOM	SAV1	AP	16400263	-511	-0	-8174	1.0000	No trend	0.3237
TF5.5	DIATOM	SAV1	BP	22896862	-61385	-4	-982167	0.7850	No trend	0.7087
TF5.5	DIATOM_C	SAV1	AP	458021535	46945755	164	751132082	0.0006	Improving	0.8408
TF5.5	DIATOM_C	SAV1	BP	461666965	54745809	190	875932936	0.0003	Improving	0.6359
TF5.5	DINOFL_C	SAV1	AP	44070	0	0	0	0.2164	No trend	0.1383
TF5.5	DINOFL_C	SAV1	BP	28096	0	0	0	0.8877	No trend	0.8175
TF5.5	DINOFLG	SAV1	AP	320	0	0	0	0.9014	No trend	0.3493
TF5.5	DINOFLG	SAV1	BP	512	0	0	0	0.8596	No trend	0.8696
TF5.5	EVENNESS	SAV1	AP	0.46	0.01	34.78	0.16	<0.0001	Improving	0.4367
TF5.5	EVENNESS	SAV1	BP	0.46	0.01	34.78	0.16	0.0011	Improving	0.2366
TF5.5	MARGALEF	SAV1	AP	2.00	0.02	16.00	0.32	0.0380	Improving	0.8685
TF5.5	MARGALEF	SAV1	BP	1.85	0.02	17.30	0.32	0.1249	No trend	0.1423
TF5.5	N_GENERA	SAV1	AP	29.50	0.52	28.20	8.32	0.0005	Improving	0.6961

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
TF5.5	N_GENERA	SAV1	BP	29.00	0.44	24.28	7.04	0.0251	Improving	0.3185
TF5.5	N_SP	SAV1	AP	34.00	0.50	23.53	8.00	0.0055	Improving	0.9379
TF5.5	N_SP	SAV1	BP	33.50	0.50	23.88	8.00	0.0199	Improving	0.3070
TF5.5	PROCAR_C	SAV1	AP	0.03	0.00	0.00	0.00	0.4065	No trend	0.5263
TF5.5	PROCAR_C	SAV1	BP	0.02	0.00	0.00	0.00	0.4329	No trend	0.7900
TF5.5	PROCARY	SAV1	AP	0.17	0.02	188.24	0.32	0.0003	Degrading	0.4172
TF5.5	PROCARY	SAV1	BP	0.15	0.02	213.33	0.32	0.0003	Degrading	0.3487
TF5.5	RATIO	SAV1	AP	29.50	2.30	124.75	36.80	<0.0001	Improving	0.6448
TF5.5	RATIO	SAV1	BP	21.13	2.02	152.96	32.32	<0.0001	Improving	0.8305
TF5.5	SHANNON	SAV1	AP	2.40	0.07	46.67	1.12	<0.0001	Improving	0.6218
TF5.5	SHANNON	SAV1	BP	2.22	0.06	43.24	0.96	<0.0001	Improving	0.3508
TF5.5	TOTABUND	SAV1	AP	24027209	977754	65	15644063	0.0349	Increasing	0.2141
TF5.5	TOTABUND	SAV1	BP	27650592	1052079	61	16833271	0.0086	Increasing	0.8127
TF5.5	TOTBMASS	SAV1	AP	627661685	96890788	247	1550252613	<0.0001	Increasing	0.8733
TF5.5	TOTBMASS	SAV1	BP	710545240	109976329	248	1759621264	<0.0001	Increasing	0.7591
TF5.5	CHLORO	SAV2	AP	2679772	446010	266	7136153	<0.0001	Improving	0.9271
TF5.5	CHLORO	SAV2	BP	2525683	450179	285	7202868	<0.0001	Improving	0.9462
TF5.5	CHLORO_C	SAV2	AP	45476068	58685370	2065	938965920	<0.0001	Improving	0.8343
TF5.5	CHLORO_C	SAV2	BP	46798658	60200467	2058	963207470	<0.0001	Improving	0.8802
TF5.5	CRYPTO	SAV2	AP	616456	88726	230	1419620	<0.0001	Increasing	0.5713
TF5.5	CRYPTO	SAV2	BP	678515	70515	166	1128232	<0.0001	Increasing	0.8007
TF5.5	CRYPTO_C	SAV2	AP	14801109	2130317	230	34085074	<0.0001	Increasing	0.5713
TF5.5	CRYPTO_C	SAV2	BP	16291145	1693053	166	27088850	<0.0001	Increasing	0.8007
TF5.5	CYANO	SAV2	AP	16650906	1072197	103	17155148	0.0006	Degrading	0.9173
TF5.5	CYANO	SAV2	BP	14395985	876313	97	14021014	0.0001	Degrading	0.9408
TF5.5	CYANO_C	SAV2	AP	55805992	5154512	148	82472197	0.0008	Degrading	0.6935
TF5.5	CYANO_C	SAV2	BP	107682933	3096091	46	49537458	0.0007	Degrading	0.9921
TF5.5	DIATOM	SAV2	AP	16237531	375454	37	6007258	0.0599	No trend	0.0238
TF5.5	DIATOM	SAV2	BP	15210443	463792	49	7420666	0.0471	Improving	0.0378
TF5.5	DIATOM_C	SAV2	AP	604295504	69875229	185	1118003656	<0.0001	Improving	0.7037
TF5.5	DIATOM_C	SAV2	BP	748180591	78853450	169	1261655197	<0.0001	Improving	0.8440
TF5.5	DINOFL_C	SAV2	AP	457994	24554	86	392871	0.0539	No trend	0.1910
TF5.5	DINOFL_C	SAV2	BP	216133	3918	29	62686	0.0340	Degrading	0.2568
TF5.5	DINOFLG	SAV2	AP	576	0	1	8	0.3847	No trend	0.5528
TF5.5	DINOFLG	SAV2	BP	1216	6	8	93	0.0482	Degrading	0.3520
TF5.5	EVENNESS	SAV2	AP	0.43	0.01	37.21	0.16	<0.0001	Improving	0.3329
TF5.5	EVENNESS	SAV2	BP	0.45	0.01	35.56	0.16	0.0004	Improving	0.4312
TF5.5	MARGALEF	SAV2	AP	2.40	0.03	20.00	0.48	0.0107	Improving	0.9615
TF5.5	MARGALEF	SAV2	BP	2.42	-0.01	-6.61	-0.16	0.2841	No trend	0.2313
TF5.5	N_GENERA	SAV2	AP	34.00	0.50	23.53	8.00	0.0024	Improving	0.7986
TF5.5	N_GENERA	SAV2	BP	32.00	0.00	0.00	0.00	0.8249	No trend	0.3302
TF5.5	N_SP	SAV2	AP	42.50	0.67	25.22	10.72	0.0016	Improving	0.9363
TF5.5	N_SP	SAV2	BP	42.50	0.00	0.00	0.00	0.8869	No trend	0.3704
TF5.5	PROCAR_C	SAV2	AP	0.07	0.00	0.00	0.00	0.2256	No trend	0.6907
TF5.5	PROCAR_C	SAV2	BP	0.10	0.00	0.00	0.00	0.4127	No trend	0.7147
TF5.5	PROCARY	SAV2	AP	0.58	0.02	55.17	0.32	0.0644	No trend	0.6193
TF5.5	PROCARY	SAV2	BP	0.46	0.02	69.57	0.32	0.0253	Degrading	0.1523
TF5.5	RATIO	SAV2	AP	20.35	1.81	142.31	28.96	<0.0001	Improving	0.8267
TF5.5	RATIO	SAV2	BP	19.59	1.86	151.91	29.76	<0.0001	Improving	0.4258
TF5.5	SHANNON	SAV2	AP	2.27	0.07	49.34	1.12	<0.0001	Improving	0.7919
TF5.5	SHANNON	SAV2	BP	2.42	0.06	39.67	0.96	0.0001	Improving	0.5833
TF5.5	TOTABUND	SAV2	AP	41515410	2914102	112	46625637	0.0074	Increasing	0.1575
TF5.5	TOTABUND	SAV2	BP	44158380	2418536	88	38696584	0.0031	Increasing	0.9275
TF5.5	TOTBMASS	SAV2	AP	865828618	178542415	330	2856678640	<0.0001	Increasing	0.5578
TF5.5	TOTBMASS	SAV2	BP	941216651	184005844	313	2944093504	<0.0001	Increasing	0.9175
TF5.5	CHLORO	Spring1	AP	63911	116888	2926	1870205	<0.0001	Improving	0.4477
TF5.5	CHLORO	Spring1	BP	288922	120802	669	1932827	<0.0001	Improving	0.5177
TF5.5	CHLORO_C	Spring1	AP	1172320	16543684	22579	264698950	<0.0001	Improving	0.3351
TF5.5	CHLORO_C	Spring1	BP	2892171	19396061	10730	310336981	<0.0001	Improving	0.9073
TF5.5	CRYPTO	Spring1	AP	544666	42738	126	683805	0.0504	No trend	0.4275

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
TF5.5	CRYPTO	Spring1	BP	821144	43899	86	702384	0.0198	Increasing	0.7554
TF5.5	CRYPTO_C	Spring1	AP	13077419	1026135	126	16418153	0.0504	No trend	0.4275
TF5.5	CRYPTO_C	Spring1	BP	19715655	1054015	86	16864240	0.0198	Increasing	0.7554
TF5.5	CYANO	Spring1	AP	377703	87890	372	1406232	0.0039	Degrading	0.1616
TF5.5	CYANO	Spring1	BP	420833	191389	728	3062223	0.0004	Degrading	0.3414
TF5.5	CYANO_C	Spring1	AP	7703066	242649	50	3882377	0.2819	No trend	0.4962
TF5.5	CYANO_C	Spring1	BP	2643238	595450	360	9527195	0.0032	Degrading	0.3461
TF5.5	DIATOM	Spring1	AP	15235714	-91355	-10	-1461672	0.6956	No trend	0.1117
TF5.5	DIATOM	Spring1	BP	17063387	-1525	-0	-24396	1.0000	No trend	0.3176
TF5.5	DIATOM_C	Spring1	AP	373070697	40158006	172	642528099	0.0126	Improving	0.3826
TF5.5	DIATOM_C	Spring1	BP	328425899	47405565	231	758489043	0.0050	Improving	0.5200
TF5.5	DINOFL_C	Spring1	AP	457994	0	0	0	0.5346	No trend	0.7146
TF5.5	DINOFL_C	Spring1	BP	0	0		0	0.8027	No trend	0.5251
TF5.5	DINOFLG	Spring1	AP	1664	-18	-18	-293	0.2742	No trend	0.5927
TF5.5	DINOFLG	Spring1	BP	0	0		0	0.7449	No trend	0.5089
TF5.5	EVENNESS	Spring1	AP	0.44	0.01	36.36	0.16	0.0012	Improving	0.6823
TF5.5	EVENNESS	Spring1	BP	0.44	0.01	36.36	0.16	0.0010	Improving	0.8971
TF5.5	MARGALEF	Spring1	AP	2.00	0.01	8.00	0.16	0.3527	No trend	0.8387
TF5.5	MARGALEF	Spring1	BP	1.70	0.03	28.24	0.48	0.0364	Improving	0.2152
TF5.5	N_GENERA	Spring1	AP	29.50	0.44	23.86	7.04	0.0222	Improving	0.8522
TF5.5	N_GENERA	Spring1	BP	25.00	0.60	38.40	9.60	0.0086	Improving	0.6805
TF5.5	N_SP	Spring1	AP	34.00	0.27	12.71	4.32	0.1164	No trend	0.8436
TF5.5	N_SP	Spring1	BP	30.00	0.69	36.80	11.04	0.0052	Improving	0.5635
TF5.5	PROCAR_C	Spring1	AP	0.02	0.00	0.00	0.00	0.4631	No trend	0.2395
TF5.5	PROCAR_C	Spring1	BP	0.01	0.00	0.00	0.00	0.2740	No trend	0.5200
TF5.5	PROCARY	Spring1	AP	0.03	0.01	533.33	0.16	0.0009	Degrading	0.7614
TF5.5	PROCARY	Spring1	BP	0.03	0.01	533.33	0.16	0.0005	Degrading	0.6418
TF5.5	RATIO	Spring1	AP	27.20	2.92	171.76	46.72	0.0001	Improving	0.6539
TF5.5	RATIO	Spring1	BP	24.83	2.93	188.80	46.88	0.0001	Improving	0.9536
TF5.5	SHANNON	Spring1	AP	2.33	0.08	54.94	1.28	0.0007	Improving	0.8352
TF5.5	SHANNON	Spring1	BP	2.10	0.08	60.95	1.28	0.0003	Improving	0.6120
TF5.5	TOTABUND	Spring1	AP	17452991	329015	30	5264232	0.4339	No trend	0.0537
TF5.5	TOTABUND	Spring1	BP	19054272	676228	57	10819654	0.0636	No trend	0.4676
TF5.5	TOTBMASS	Spring1	AP	418189373	65456046	250	1047296733	0.0012	Increasing	0.4636
TF5.5	TOTBMASS	Spring1	BP	368159299	79055443	344	1264887085	0.0007	Increasing	0.6916
TF5.5	CHLORO	Spring2	AP	986000	222241	361	3555851	<0.0001	Improving	0.5325
TF5.5	CHLORO	Spring2	BP	1947084	232408	191	3718527	0.0001	Improving	0.7814
TF5.5	CHLORO_C	Spring2	AP	20651591	34705425	2689	555286798	<0.0001	Improving	0.5448
TF5.5	CHLORO_C	Spring2	BP	24627513	46025226	2990	736403619	<0.0001	Improving	0.9073
TF5.5	CRYPTO	Spring2	AP	605647	78353	207	1253656	0.0046	Increasing	0.1489
TF5.5	CRYPTO	Spring2	BP	1393455	42913	49	686612	0.0385	Increasing	0.8396
TF5.5	CRYPTO_C	Spring2	AP	14541572	1881267	207	30100272	0.0046	Increasing	0.1489
TF5.5	CRYPTO_C	Spring2	BP	33456855	1030347	49	16485554	0.0385	Increasing	0.8396
TF5.5	CYANO	Spring2	AP	2753546	164856	96	2637694	0.1175	No trend	0.7274
TF5.5	CYANO	Spring2	BP	3694721	223717	97	3579478	0.0323	Degrading	0.7026
TF5.5	CYANO_C	Spring2	AP	25065412	486241	31	7779854	0.2606	No trend	0.4926
TF5.5	CYANO_C	Spring2	BP	23273048	793245	55	12691917	0.0287	Degrading	0.9197
TF5.5	DIATOM	Spring2	AP	18625054	63561	5	1016973	0.8833	No trend	0.0189
TF5.5	DIATOM	Spring2	BP	21025263	17838	1	285414	1.0000	No trend	0.3176
TF5.5	DIATOM_C	Spring2	AP	458021535	55348757	193	885580109	0.0083	Improving	0.2835
TF5.5	DIATOM_C	Spring2	BP	959141532	68937146	115	1102994339	0.0050	Improving	0.5200
TF5.5	DINOFL_C	Spring2	AP	868116	0	0	0	0.9804	No trend	0.6623
TF5.5	DINOFL_C	Spring2	BP	700709	0	0	0	0.3728	No trend	0.8932
TF5.5	DINOFLG	Spring2	AP	6400	0	0	0	0.9607	No trend	0.5279
TF5.5	DINOFLG	Spring2	BP	33178	0	0	0	0.4600	No trend	0.8296
TF5.5	EVENNESS	Spring2	AP	0.41	0.02	78.05	0.32	0.0004	Improving	0.8589
TF5.5	EVENNESS	Spring2	BP	0.40	0.01	40.00	0.16	0.0027	Improving	0.9732
TF5.5	MARGALEF	Spring2	AP	2.63	0.02	12.17	0.32	0.1065	No trend	0.9122
TF5.5	MARGALEF	Spring2	BP	2.07	0.00	0.00	0.00	0.9621	No trend	0.1756
TF5.5	N_GENERA	Spring2	AP	35.00	0.46	21.03	7.36	0.0368	Improving	0.8029

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
TF5.5	N_GENERA	Spring2	BP	30.00	0.32	17.07	5.12	0.3043	No trend	0.3825
TF5.5	N_SP	Spring2	AP	45.00	0.50	17.78	8.00	0.0908	No trend	0.8364
TF5.5	N_SP	Spring2	BP	38.00	0.33	13.89	5.28	0.3397	No trend	0.3048
TF5.5	PROCAR_C	Spring2	AP	0.04	0.00	0.00	0.00	0.3280	No trend	0.1875
TF5.5	PROCAR_C	Spring2	BP	0.02	0.00	0.00	0.00	1.0000	No trend	0.9218
TF5.5	PROCARY	Spring2	AP	0.13	0.01	123.08	0.16	0.0963	No trend	0.2698
TF5.5	PROCARY	Spring2	BP	0.11	0.01	145.45	0.16	0.0364	Degrading	0.2399
TF5.5	RATIO	Spring2	AP	19.31	2.85	236.15	45.60	<0.0001	Improving	0.7587
TF5.5	RATIO	Spring2	BP	21.13	3.35	253.67	53.60	0.0001	Improving	0.9536
TF5.5	SHANNON	Spring2	AP	2.23	0.10	71.75	1.60	0.0004	Improving	0.9194
TF5.5	SHANNON	Spring2	BP	1.96	0.08	65.31	1.28	0.0027	Improving	0.9798
TF5.5	TOTABUND	Spring2	AP	35892833	361382	16	5782115	0.8068	No trend	0.2120
TF5.5	TOTABUND	Spring2	BP	45542507	994995	35	15919922	0.2954	No trend	0.9710
TF5.5	TOTBMASS	Spring2	AP	530828717	93109091	281	1489745450	0.0002	Increasing	0.1480
TF5.5	TOTBMASS	Spring2	BP	1256271350	121701567	155	1947225072	0.0002	Increasing	0.4540
TF5.5	CHLORO	Summer1	AP	2982923	794542	426	12712675	<0.0001	Improving	0.9162
TF5.5	CHLORO	Summer1	BP	3511051	777075	354	12433203	<0.0001	Improving	0.8291
TF5.5	CHLORO_C	Summer1	AP	66393944	97250084	2344	1556001347	<0.0001	Improving	0.8114
TF5.5	CHLORO_C	Summer1	BP	111115541	100568997	1448	1609103952	<0.0001	Improving	0.9342
TF5.5	CRYPTO	Summer1	AP	616456	109021	283	1744344	<0.0001	Increasing	0.6653
TF5.5	CRYPTO	Summer1	BP	678515	84899	200	1358383	<0.0001	Increasing	0.7612
TF5.5	CRYPTO_C	Summer1	AP	14801109	2617606	283	41881694	<0.0001	Increasing	0.6653
TF5.5	CRYPTO_C	Summer1	BP	16291145	2044138	201	32706201	<0.0001	Increasing	0.7612
TF5.5	CYANO	Summer1	AP	17965220	3338376	297	53414014	0.0055	Degrading	0.7994
TF5.5	CYANO	Summer1	BP	16198404	2412900	238	38606400	0.0081	Degrading	0.7499
TF5.5	CYANO_C	Summer1	AP	86338566	14005194	260	224083101	0.0025	Degrading	0.7643
TF5.5	CYANO_C	Summer1	BP	240650049	8408212	56	134531394	0.0147	Degrading	0.9383
TF5.5	DIATOM	Summer1	AP	8736561	735164	135	11762623	0.0003	Improving	0.5668
TF5.5	DIATOM	Summer1	BP	9035199	778952	138	12463233	0.0006	Improving	0.2204
TF5.5	DIATOM_C	Summer1	AP	632365561	95484344	242	1527749498	<0.0001	Improving	0.8049
TF5.5	DIATOM_C	Summer1	BP	726710103	92347009	203	1477552136	<0.0001	Improving	0.8630
TF5.5	DINOFL_C	Summer1	AP	976164	41015	67	656246	0.1632	No trend	0.4858
TF5.5	DINOFL_C	Summer1	BP	557785	14311	41	228973	0.0588	No trend	0.0626
TF5.5	DINOFLG	Summer1	AP	10112	19	3	304	0.5816	No trend	0.7323
TF5.5	DINOFLG	Summer1	BP	1856	43	37	683	0.0820	No trend	0.0914
TF5.5	EVENNESS	Summer1	AP	0.43	0.01	37.21	0.16	0.0010	Improving	0.1087
TF5.5	EVENNESS	Summer1	BP	0.49	0.01	32.65	0.16	0.0008	Improving	0.8567
TF5.5	MARGALEF	Summer1	AP	2.40	0.02	13.33	0.32	0.0846	No trend	0.8686
TF5.5	MARGALEF	Summer1	BP	3.19	-0.04	-20.06	-0.64	0.0705	No trend	0.2460
TF5.5	N_GENERA	Summer1	AP	35.50	0.32	14.42	5.12	0.0874	No trend	0.6258
TF5.5	N_GENERA	Summer1	BP	42.50	-0.13	-4.89	-2.08	0.4866	No trend	0.2912
TF5.5	N_SP	Summer1	AP	43.00	0.67	24.93	10.72	0.0163	Improving	0.7870
TF5.5	N_SP	Summer1	BP	58.50	-0.33	-9.03	-5.28	0.3758	No trend	0.3963
TF5.5	PROCAR_C	Summer1	AP	0.09	0.00	0.00	0.00	0.2226	No trend	0.7629
TF5.5	PROCAR_C	Summer1	BP	0.25	0.00	0.00	0.00	0.1652	No trend	0.5161
TF5.5	PROCARY	Summer1	AP	2.58	0.01	6.20	0.16	0.8664	No trend	0.8479
TF5.5	PROCARY	Summer1	BP	1.46	0.00	0.00	0.00	1.0000	No trend	0.5800
TF5.5	RATIO	Summer1	AP	22.64	1.39	98.23	22.24	0.0004	Improving	0.6955
TF5.5	RATIO	Summer1	BP	21.33	2.00	150.02	32.00	<0.0001	Improving	0.1943
TF5.5	SHANNON	Summer1	AP	2.34	0.06	41.03	0.96	0.0001	Improving	0.4010
TF5.5	SHANNON	Summer1	BP	2.92	0.06	32.88	0.96	0.0004	Improving	0.6875
TF5.5	TOTABUND	Summer1	AP	41515410	6119766	236	97916262	0.0007	Increasing	0.5908
TF5.5	TOTABUND	Summer1	BP	30841102	3551562	184	56824986	0.0091	Increasing	0.8001
TF5.5	TOTBMASS	Summer1	AP	1097167495	258881894	378	4142110304	<0.0001	Increasing	0.6401
TF5.5	TOTBMASS	Summer1	BP	1058716797	251596458	380	4025543328	<0.0001	Increasing	0.9621
TF5.5	CHLORO	Summer2	AP	2996393	934677	499	14954824	<0.0001	Improving	0.7758
TF5.5	CHLORO	Summer2	BP	2525683	831248	527	13299973	<0.0001	Improving	0.7644
TF5.5	CHLORO_C	Summer2	AP	50687353	90599663	2860	1449594606	<0.0001	Improving	0.6336
TF5.5	CHLORO_C	Summer2	BP	76850998	88931742	1852	1422907872	<0.0001	Improving	0.9164
TF5.5	CRYPTO	Summer2	AP	616456	101097	262	1617548	0.0012	Increasing	0.6422

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
TF5.5	CRYPTO	Summer2	BP	678515	121157	286	1938518	0.0001	Increasing	0.8278
TF5.5	CRYPTO_C	Summer2	AP	14801109	2427332	262	38837319	0.0012	Increasing	0.6422
TF5.5	CRYPTO_C	Summer2	BP	16291145	2908988	286	46543811	0.0001	Increasing	0.8278
TF5.5	CYANO	Summer2	AP	17965220	4088983	364	65423731	0.0062	Degrading	0.7493
TF5.5	CYANO	Summer2	BP	16198404	3009050	297	48144800	0.0083	Degrading	0.6799
TF5.5	CYANO_C	Summer2	AP	86338566	16380073	304	262081174	0.0021	Degrading	0.8410
TF5.5	CYANO_C	Summer2	BP	240650049	8968604	60	143497660	0.0564	No trend	0.8857
TF5.5	DIATOM	Summer2	AP	7480000	642476	137	10279622	0.0039	Improving	0.4259
TF5.5	DIATOM	Summer2	BP	8064102	823071	163	13169137	0.0010	Improving	0.1318
TF5.5	DIATOM_C	Summer2	AP	632365561	94595975	239	1513535592	0.0005	Improving	0.7758
TF5.5	DIATOM_C	Summer2	BP	511175298	83508849	261	1336141586	0.0001	Improving	0.7060
TF5.5	DINOFL_C	Summer2	AP	409748	54947	215	879159	0.1608	No trend	0.3129
TF5.5	DINOFL_C	Summer2	BP	557785	104459	300	1671344	0.0552	No trend	0.0318
TF5.5	DINOFLG	Summer2	AP	256	0	0	0	0.8240	No trend	0.6001
TF5.5	DINOFLG	Summer2	BP	1856	393	339	6290	0.0463	Degrading	0.0707
TF5.5	EVENNESS	Summer2	AP	0.43	0.01	37.21	0.16	0.0053	Improving	0.0488
TF5.5	EVENNESS	Summer2	BP	0.49	0.01	32.65	0.16	0.0039	Improving	0.6816
TF5.5	MARGALEF	Summer2	AP	2.39	0.02	13.39	0.32	0.2035	No trend	0.7690
TF5.5	MARGALEF	Summer2	BP	3.19	-0.03	-15.05	-0.48	0.1866	No trend	0.1437
TF5.5	N_GENERA	Summer2	AP	34.00	0.32	15.06	5.12	0.1476	No trend	0.4180
TF5.5	N_GENERA	Summer2	BP	42.50	-0.12	-4.52	-1.92	0.6239	No trend	0.1594
TF5.5	N_SP	Summer2	AP	42.50	0.65	24.47	10.40	0.0311	Improving	0.5949
TF5.5	N_SP	Summer2	BP	58.50	-0.19	-5.20	-3.04	0.5395	No trend	0.2392
TF5.5	PROCAR_C	Summer2	AP	0.09	0.00	0.00	0.00	0.5249	No trend	0.7921
TF5.5	PROCAR_C	Summer2	BP	0.32	0.00	0.00	0.00	0.1561	No trend	0.3541
TF5.5	PROCARY	Summer2	AP	2.58	0.02	12.40	0.32	0.6956	No trend	0.7546
TF5.5	PROCARY	Summer2	BP	1.46	0.00	0.00	0.00	1.0000	No trend	0.3748
TF5.5	RATIO	Summer2	AP	22.64	1.05	74.20	16.80	0.0046	Improving	0.5572
TF5.5	RATIO	Summer2	BP	21.33	1.55	116.27	24.80	0.0006	Improving	0.1026
TF5.5	SHANNON	Summer2	AP	2.34	0.06	41.03	0.96	0.0005	Improving	0.2351
TF5.5	SHANNON	Summer2	BP	2.92	0.06	32.88	0.96	0.0021	Improving	0.4778
TF5.5	TOTABUND	Summer2	AP	34199941	6772050	317	108352798	0.0015	Increasing	0.4234
TF5.5	TOTABUND	Summer2	BP	30181035	4396144	233	70338311	0.0083	Increasing	0.7969
TF5.5	TOTBMASS	Summer2	AP	1097167495	219718308	320	3515492928	<0.0001	Increasing	0.7066
TF5.5	TOTBMASS	Summer2	BP	701635400	241588433	551	3865414928	<0.0001	Increasing	0.9597
TF5.5	CHLORO	Winter	AP	12992	56858	6565	852867	0.0026	Improving	0.8887
TF5.5	CHLORO	Winter	BP	2432	42705	26340	640578	<0.0001	Improving	0.5288
TF5.5	CHLORO_C	Winter	AP	209112	7700564	55238	115508455	0.0001	Improving	1.0000
TF5.5	CHLORO_C	Winter	BP	79383	5214962	98540	78224434	<0.0001	Improving	0.7264
TF5.5	CRYPTO	Winter	AP	544048	78321	216	1174811	0.0041	Increasing	0.3272
TF5.5	CRYPTO	Winter	BP	176756	80492	683	1207375	0.0251	Increasing	0.5288
TF5.5	CRYPTO_C	Winter	AP	13062580	1880481	216	28207218	0.0041	Increasing	0.3272
TF5.5	CRYPTO_C	Winter	BP	4223693	1935131	687	29026968	0.0251	Increasing	0.5288
TF5.5	CYANO	Winter	AP	134676	112586	1254	1688788	0.0026	Degrading	0.7795
TF5.5	CYANO	Winter	BP	22925	132275	8655	1984119	0.0004	Degrading	0.8887
TF5.5	CYANO_C	Winter	AP	1599422	784174	735	11762611	0.0006	Degrading	0.6745
TF5.5	CYANO_C	Winter	BP	74594	441056	8869	6615846	<0.0001	Degrading	0.4840
TF5.5	DIATOM	Winter	AP	2287381	106136	70	1592033	0.0930	No trend	0.6242
TF5.5	DIATOM	Winter	BP	1583749	217815	206	3267230	0.0251	Improving	0.9442
TF5.5	DIATOM_C	Winter	AP	94284748	17612571	280	264188558	0.0688	No trend	0.6242
TF5.5	DIATOM_C	Winter	BP	40817506	24882102	914	373231525	0.0006	Improving	0.1236
TF5.5	DINOFL_C	Winter	AP	464616	0	0	0	0.7447	No trend	0.2971
TF5.5	DINOFL_C	Winter	BP	112857	-3320	-44	-49803	0.0551	No trend	0.5412
TF5.5	DINOFLG	Winter	AP	10584	0	0	0	0.6639	No trend	0.1954
TF5.5	DINOFLG	Winter	BP	544	-6	-17	-92	0.0421	Improving	0.4690
TF5.5	EVENNESS	Winter	AP	0.58	0.01	25.86	0.15	0.0209	Improving	0.4010
TF5.5	EVENNESS	Winter	BP	0.46	0.01	32.61	0.15	0.0588	No trend	0.6745
TF5.5	MARGALEF	Winter	AP	2.12	-0.01	-7.08	-0.15	0.5288	No trend	1.0000
TF5.5	MARGALEF	Winter	BP	1.76	0.01	8.52	0.15	0.3272	No trend	0.3629
TF5.5	N_GENERA	Winter	AP	28.00	0.20	10.71	3.00	0.5741	No trend	1.0000

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
TF5.5	N_GENERA	Winter	BP	23.00	0.54	35.22	8.10	0.0099	Improving	0.3440
TF5.5	N_SP	Winter	AP	32.50	0.00	0.00	0.00	0.9718	No trend	0.9719
TF5.5	N_SP	Winter	BP	26.50	0.45	25.47	6.75	0.0972	No trend	0.4551
TF5.5	PROCAR_C	Winter	AP	0.02	0.00	0.00	0.00	0.1236	No trend	0.3629
TF5.5	PROCAR_C	Winter	BP	0.00	0.00		0.00	0.1236	No trend	0.2938
TF5.5	PROCARY	Winter	AP	0.09	0.02	333.33	0.30	0.0078	Degrading	0.7264
TF5.5	PROCARY	Winter	BP	0.01	0.01	1500.00	0.15	0.0096	Degrading	0.5756
TF5.5	RATIO	Winter	AP	37.81	2.71	107.51	40.65	0.0051	Improving	0.9442
TF5.5	RATIO	Winter	BP	26.29	4.21	240.21	63.15	0.0209	Improving	0.4840
TF5.5	SHANNON	Winter	AP	2.89	0.05	25.95	0.75	0.0051	Improving	0.5288
TF5.5	SHANNON	Winter	BP	2.17	0.08	55.30	1.20	0.0588	No trend	0.6745
TF5.5	TOTABUND	Winter	AP	3079834	465377	227	6980658	0.0424	Increasing	0.5756
TF5.5	TOTABUND	Winter	BP	1902069	766325	604	11494882	0.0026	Increasing	1.0000
TF5.5	TOTBMASS	Winter	AP	113173124	30949173	410	464237588	0.0063	Increasing	0.7795
TF5.5	TOTBMASS	Winter	BP	49982019	31775501	954	476632513	<0.0001	Increasing	0.1616
RET5.2	CHLORO	Annual	AP	94516	55519	940	888310	<0.0001	Improving	0.0451
RET5.2	CHLORO	Annual	BP	210739	75054	570	1200864	<0.0001	Improving	0.0942
RET5.2	CHLORO_C	Annual	AP	1762185	4989512	4530	79832197	<0.0001	Improving	0.4341
RET5.2	CHLORO_C	Annual	BP	3430752	6131567	2860	98105078	<0.0001	Improving	0.2605
RET5.2	CRYPTO	Annual	AP	541136	61162	181	978592	<0.0001	Increasing	0.6338
RET5.2	CRYPTO	Annual	BP	380415	63772	268	1020359	<0.0001	Increasing	0.9942
RET5.2	CRYPTO_C	Annual	AP	12992675	1468500	181	23495994	<0.0001	Increasing	0.6338
RET5.2	CRYPTO_C	Annual	BP	9133752	1531176	268	24498822	<0.0001	Increasing	0.9942
RET5.2	CYANO	Annual	AP	714837	93615	210	1497836	0.0150	Degrading	0.6245
RET5.2	CYANO	Annual	BP	1121790	105073	150	1681168	0.0003	Degrading	0.6928
RET5.2	CYANO_C	Annual	AP	4360018	373166	137	5970654	0.0726	No trend	0.5335
RET5.2	CYANO_C	Annual	BP	6057043	578897	153	9262350	0.0006	Degrading	0.3573
RET5.2	DIATOM	Annual	AP	5105022	105521	33	1688338	0.2264	No trend	0.2990
RET5.2	DIATOM	Annual	BP	6781094	240616	57	3849862	0.0042	Improving	0.9114
RET5.2	DIATOM_C	Annual	AP	112405846	17281369	246	276501909	0.0001	Improving	0.1151
RET5.2	DIATOM_C	Annual	BP	177571379	31002971	279	496047530	<0.0001	Improving	0.9735
RET5.2	DINOFL_C	Annual	AP	478731	0	0	0	0.6485	No trend	0.7469
RET5.2	DINOFL_C	Annual	BP	1103547	0	0	0	0.6797	No trend	0.5316
RET5.2	DINOFLG	Annual	AP	704	0	0	0	0.9572	No trend	0.9096
RET5.2	DINOFLG	Annual	BP	3456	0	0	0	0.9151	No trend	0.2785
RET5.2	EVENNESS	Annual	AP	0.56	0.01	28.57	0.16	0.0017	Improving	0.5885
RET5.2	EVENNESS	Annual	BP	0.53	0.01	30.19	0.16	<0.0001	Improving	0.8863
RET5.2	MARGALEF	Annual	AP	1.65	-0.01	-9.70	-0.16	0.1896	No trend	0.7378
RET5.2	MARGALEF	Annual	BP	1.60	0.00	0.00	0.00	0.6194	No trend	0.0604
RET5.2	N_GENERA	Annual	AP	24.00	0.00	0.00	0.00	0.4971	No trend	0.5094
RET5.2	N_GENERA	Annual	BP	22.00	0.20	14.55	3.20	0.0380	Improving	0.2287
RET5.2	N_SP	Annual	AP	28.50	-0.11	-6.18	-1.76	0.4663	No trend	0.3979
RET5.2	N_SP	Annual	BP	27.50	0.00	0.00	0.00	0.8680	No trend	0.0871
RET5.2	PROCAR_C	Annual	AP	0.02	0.00	0.00	0.00	0.4373	No trend	0.6783
RET5.2	PROCAR_C	Annual	BP	0.01	0.00	0.00	0.00	0.6558	No trend	0.5963
RET5.2	PROCARY	Annual	AP	0.14	0.01	114.29	0.16	0.1173	No trend	0.3459
RET5.2	PROCARY	Annual	BP	0.13	0.00	0.00	0.00	0.0545	No trend	0.5185
RET5.2	RATIO	Annual	AP	19.79	1.25	101.06	20.00	<0.0001	Improving	0.9292
RET5.2	RATIO	Annual	BP	25.68	1.42	88.47	22.72	<0.0001	Improving	0.4480
RET5.2	SHANNON	Annual	AP	2.67	0.03	17.98	0.48	0.0023	Improving	0.3000
RET5.2	SHANNON	Annual	BP	2.57	0.04	24.90	0.64	<0.0001	Improving	0.2520
RET5.2	TOTABUND	Annual	AP	7429901	443504	96	7096059	0.0276	Increasing	0.1626
RET5.2	TOTABUND	Annual	BP	12001736	566845	76	9069527	0.0013	Increasing	0.9543
RET5.2	TOTBMASS	Annual	AP	178134219	29610542	266	473768672	<0.0001	Increasing	0.0452
RET5.2	TOTBMASS	Annual	BP	282629323	46646498	264	746343960	<0.0001	Increasing	0.6747
RET5.2	CHLORO	Fall	AP	479962	-9856	-33	-157694	0.5125	No trend	0.6630
RET5.2	CHLORO	Fall	BP	240938	26523	176	424361	0.1371	No trend	0.3764
RET5.2	CHLORO_C	Fall	AP	5587342	276984	79	4431750	0.2901	No trend	0.6986
RET5.2	CHLORO_C	Fall	BP	3540098	2091991	946	33471855	0.0014	Improving	0.5120
RET5.2	CRYPTO	Fall	AP	541136	21577	64	345235	0.3918	No trend	0.4246

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
RET5.2	CRYPTO	Fall	BP	459212	50766	177	812249	0.0266	Increasing	0.9266
RET5.2	CRYPTO_C	Fall	AP	12992675	518068	64	8289083	0.3918	No trend	0.4246
RET5.2	CRYPTO_C	Fall	BP	11025668	1218881	177	19502092	0.0266	Increasing	0.9266
RET5.2	CYANO	Fall	AP	3976070	-88851	-36	-1421618	0.4806	No trend	0.8097
RET5.2	CYANO	Fall	BP	2047665	103766	81	1660258	0.2677	No trend	0.9947
RET5.2	CYANO_C	Fall	AP	10056386	-159351	-25	-2549613	0.5455	No trend	0.9738
RET5.2	CYANO_C	Fall	BP	11158946	437212	63	6995384	0.3137	No trend	0.9241
RET5.2	DIATOM	Fall	AP	7448826	-202256	-43	-3236089	0.0867	No trend	0.9510
RET5.2	DIATOM	Fall	BP	3781153	167367	71	2677878	0.1584	No trend	0.9763
RET5.2	DIATOM_C	Fall	AP	142794515	-3243079	-36	-51889267	0.3918	No trend	0.7820
RET5.2	DIATOM_C	Fall	BP	121679004	18151511	239	290424178	0.0035	Improving	0.7891
RET5.2	DINOFL_C	Fall	AP	107791	0	0	0	0.6966	No trend	0.4954
RET5.2	DINOFL_C	Fall	BP	1103547	0	0	0	0.8140	No trend	0.8774
RET5.2	DINOFLG	Fall	AP	352	0	0	0	0.4204	No trend	0.5175
RET5.2	DINOFLG	Fall	BP	23680	0	0	0	0.7537	No trend	0.6258
RET5.2	EVENNESS	Fall	AP	0.55	0.01	29.09	0.16	0.0266	Improving	0.5148
RET5.2	EVENNESS	Fall	BP	0.57	0.00	0.00	0.00	0.0964	No trend	0.6451
RET5.2	MARGALEF	Fall	AP	1.93	-0.03	-24.87	-0.48	0.0779	No trend	0.8480
RET5.2	MARGALEF	Fall	BP	1.50	-0.02	-21.33	-0.32	0.1902	No trend	0.0154
RET5.2	N_GENERA	Fall	AP	26.00	-0.28	-17.23	-4.48	0.1461	No trend	0.8965
RET5.2	N_GENERA	Fall	BP	21.50	0.04	2.98	0.64	0.7041	No trend	0.0469
RET5.2	N_SP	Fall	AP	33.00	-0.60	-29.09	-9.60	0.0337	Degrading	0.7250
RET5.2	N_SP	Fall	BP	25.00	-0.20	-12.80	-3.20	0.4480	No trend	0.0269
RET5.2	PROCAR_C	Fall	AP	0.05	0.00	0.00	0.00	0.2466	No trend	0.9792
RET5.2	PROCAR_C	Fall	BP	0.04	0.00	0.00	0.00	0.9598	No trend	0.6030
RET5.2	PROCARY	Fall	AP	0.24	-0.02	-133.33	-0.32	0.3918	No trend	0.9450
RET5.2	PROCARY	Fall	BP	0.22	0.00	0.00	0.00	0.8799	No trend	0.9109
RET5.2	RATIO	Fall	AP	19.39	0.68	56.11	10.88	0.1069	No trend	0.9270
RET5.2	RATIO	Fall	BP	23.34	0.55	37.70	8.80	0.1307	No trend	0.2609
RET5.2	SHANNON	Fall	AP	2.65	0.03	18.11	0.48	0.2079	No trend	0.6034
RET5.2	SHANNON	Fall	BP	2.64	0.02	12.12	0.32	0.3918	No trend	0.1991
RET5.2	TOTABUND	Fall	AP	15868081	-634431	-64	-10150899	0.0494	Decreasing	0.7720
RET5.2	TOTABUND	Fall	BP	9965559	267333	43	4277323	0.2079	No trend	0.8463
RET5.2	TOTBMASS	Fall	AP	198186280	-5404239	-44	-86467816	0.5125	No trend	0.8775
RET5.2	TOTBMASS	Fall	BP	198462568	20615401	166	329846419	0.0156	Increasing	0.7188
RET5.2	CHLORO	SAV1	AP	50816	67354	2121	1077670	0.0002	Improving	0.1286
RET5.2	CHLORO	SAV1	BP	97805	93778	1534	1500448	<0.0001	Improving	0.3339
RET5.2	CHLORO_C	SAV1	AP	680289	4503536	10592	72056574	<0.0001	Improving	0.4961
RET5.2	CHLORO_C	SAV1	BP	1064276	8025864	12066	128413819	<0.0001	Improving	0.7441
RET5.2	CRYPTO	SAV1	AP	461312	55542	193	888668	0.0029	Increasing	0.2962
RET5.2	CRYPTO	SAV1	BP	456341	63147	221	1010347	0.0002	Increasing	0.8371
RET5.2	CRYPTO_C	SAV1	AP	11060385	1333558	193	21336923	0.0029	Increasing	0.2962
RET5.2	CRYPTO_C	SAV1	BP	10956747	1516151	221	24258424	0.0002	Increasing	0.8371
RET5.2	CYANO	SAV1	AP	575624	56030	156	896481	0.1664	No trend	0.5506
RET5.2	CYANO	SAV1	BP	383239	88591	370	1417449	0.0027	Degrading	0.6497
RET5.2	CYANO_C	SAV1	AP	3674886	167670	73	2682719	0.5169	No trend	0.7140
RET5.2	CYANO_C	SAV1	BP	2230778	668409	479	10694542	0.0019	Degrading	0.5079
RET5.2	DIATOM	SAV1	AP	6037005	-51139	-14	-818222	0.6115	No trend	0.6609
RET5.2	DIATOM	SAV1	BP	4922839	162913	53	2606610	0.1559	No trend	0.6345
RET5.2	DIATOM_C	SAV1	AP	109786255	13466629	196	215466062	0.0060	Improving	0.2704
RET5.2	DIATOM_C	SAV1	BP	126293513	36056157	457	576898512	<0.0001	Improving	0.9951
RET5.2	DINOFL_C	SAV1	AP	478731	0	0	0	0.9264	No trend	0.2799
RET5.2	DINOFL_C	SAV1	BP	560100	0	0	0	0.6109	No trend	0.2755
RET5.2	DINOFLG	SAV1	AP	608	0	0	0	0.9558	No trend	0.6034
RET5.2	DINOFLG	SAV1	BP	512	0	0	0	0.4337	No trend	0.0830
RET5.2	EVENNESS	SAV1	AP	0.56	0.01	28.57	0.16	0.0027	Improving	0.5985
RET5.2	EVENNESS	SAV1	BP	0.49	0.01	32.65	0.16	0.0005	Improving	0.5957
RET5.2	MARGALEF	SAV1	AP	1.49	0.00	0.00	0.00	0.9024	No trend	0.8499
RET5.2	MARGALEF	SAV1	BP	1.39	0.01	11.51	0.16	0.5398	No trend	0.2860
RET5.2	N_GENERA	SAV1	AP	22.00	0.09	6.55	1.44	0.4920	No trend	0.6278

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
RET5.2	N_GENERA	SAV1	BP	20.50	0.33	25.76	5.28	0.0175	Improving	0.6900
RET5.2	N_SP	SAV1	AP	26.00	0.00	0.00	0.00	0.8881	No trend	0.7289
RET5.2	N_SP	SAV1	BP	23.50	0.18	12.26	2.88	0.3080	No trend	0.4113
RET5.2	PROCAR_C	SAV1	AP	0.02	0.00	0.00	0.00	0.3014	No trend	0.8088
RET5.2	PROCAR_C	SAV1	BP	0.01	0.00	0.00	0.00	0.4513	No trend	0.6890
RET5.2	PROCARY	SAV1	AP	0.14	0.01	114.29	0.16	0.0829	No trend	0.1994
RET5.2	PROCARY	SAV1	BP	0.07	0.00	0.00	0.00	0.0893	No trend	0.4974
RET5.2	RATIO	SAV1	AP	20.87	1.37	105.03	21.92	0.0007	Improving	0.9829
RET5.2	RATIO	SAV1	BP	27.82	1.63	93.75	26.08	0.0004	Improving	0.5751
RET5.2	SHANNON	SAV1	AP	2.58	0.03	18.60	0.48	0.0019	Improving	0.7124
RET5.2	SHANNON	SAV1	BP	2.25	0.05	35.56	0.80	0.0002	Improving	0.3366
RET5.2	TOTABUND	SAV1	AP	9131543	219608	38	3513728	0.4305	No trend	0.3214
RET5.2	TOTABUND	SAV1	BP	12800742	491792	61	7868679	0.0518	No trend	0.9520
RET5.2	TOTBMASS	SAV1	AP	160254121	27490398	274	439846360	0.0002	Increasing	0.0632
RET5.2	TOTBMASS	SAV1	BP	240151106	56096022	374	897536354	<0.0001	Increasing	0.8274
RET5.2	CHLORO	SAV2	AP	94516	77909	1319	1246546	0.0008	Improving	0.3218
RET5.2	CHLORO	SAV2	BP	210739	84012	638	1344196	<0.0001	Improving	0.0383
RET5.2	CHLORO_C	SAV2	AP	2237319	6108400	4368	97734395	<0.0001	Improving	0.9385
RET5.2	CHLORO_C	SAV2	BP	4427815	3644080	1317	58305284	<0.0001	Improving	0.2334
RET5.2	CRYPTO	SAV2	AP	656796	67836	165	1085372	0.0002	Increasing	0.7463
RET5.2	CRYPTO	SAV2	BP	609639	67585	177	1081358	0.0001	Increasing	0.9239
RET5.2	CRYPTO_C	SAV2	AP	15769672	1628737	165	26059786	0.0002	Increasing	0.7463
RET5.2	CRYPTO_C	SAV2	BP	14637420	1622713	177	25963415	0.0001	Increasing	0.9239
RET5.2	CYANO	SAV2	AP	860356	160341	298	2565461	0.0197	Degrading	0.5567
RET5.2	CYANO	SAV2	BP	1155226	101948	141	1631172	0.0197	Degrading	0.4967
RET5.2	CYANO_C	SAV2	AP	3817001	871477	365	13943634	0.0297	Degrading	0.5520
RET5.2	CYANO_C	SAV2	BP	6057043	727972	192	11647549	0.0128	Degrading	0.1891
RET5.2	DIATOM	SAV2	AP	6037005	183766	49	2940258	0.1964	No trend	0.2258
RET5.2	DIATOM	SAV2	BP	8253190	304519	59	4872296	0.0406	Improving	0.5825
RET5.2	DIATOM_C	SAV2	AP	117653325	23974077	326	383585224	0.0004	Improving	0.4920
RET5.2	DIATOM_C	SAV2	BP	378784412	34285189	145	548563016	<0.0001	Improving	0.7644
RET5.2	DINOFL_C	SAV2	AP	1804900	0	0	0	0.8469	No trend	0.5565
RET5.2	DINOFL_C	SAV2	BP	2371816	0	0	0	0.6745	No trend	0.3883
RET5.2	DINOFLG	SAV2	AP	72110	0	0	0	0.5300	No trend	0.9832
RET5.2	DINOFLG	SAV2	BP	42759	0	0	0	0.7710	No trend	0.1187
RET5.2	EVENNESS	SAV2	AP	0.56	0.01	28.57	0.16	0.0034	Improving	0.3656
RET5.2	EVENNESS	SAV2	BP	0.51	0.01	31.37	0.16	0.0013	Improving	0.5023
RET5.2	MARGALEF	SAV2	AP	1.59	-0.01	-10.06	-0.16	0.3609	No trend	0.6801
RET5.2	MARGALEF	SAV2	BP	1.66	-0.01	-9.64	-0.16	0.2312	No trend	0.5009
RET5.2	N_GENERA	SAV2	AP	24.00	0.06	4.00	0.96	0.6016	No trend	0.5880
RET5.2	N_GENERA	SAV2	BP	25.50	0.10	6.27	1.60	0.3926	No trend	0.7966
RET5.2	N_SP	SAV2	AP	27.00	-0.11	-6.52	-1.76	0.5692	No trend	0.7198
RET5.2	N_SP	SAV2	BP	28.50	-0.14	-7.86	-2.24	0.4578	No trend	0.6433
RET5.2	PROCAR_C	SAV2	AP	0.02	0.00	0.00	0.00	0.9749	No trend	0.4585
RET5.2	PROCAR_C	SAV2	BP	0.01	0.00	0.00	0.00	0.7054	No trend	0.4115
RET5.2	PROCARY	SAV2	AP	0.19	0.01	84.21	0.16	0.0889	No trend	0.1552
RET5.2	PROCARY	SAV2	BP	0.14	0.00	0.00	0.00	0.3445	No trend	0.4672
RET5.2	RATIO	SAV2	AP	18.20	1.15	101.10	18.40	0.0012	Improving	0.6761
RET5.2	RATIO	SAV2	BP	27.82	1.13	64.99	18.08	0.0031	Improving	0.2245
RET5.2	SHANNON	SAV2	AP	2.63	0.03	18.25	0.48	0.0034	Improving	0.2964
RET5.2	SHANNON	SAV2	BP	2.61	0.03	18.39	0.48	0.0061	Improving	0.1892
RET5.2	TOTABUND	SAV2	AP	9131543	705408	124	11286531	0.0297	Increasing	0.3105
RET5.2	TOTABUND	SAV2	BP	13495177	608777	72	9740436	0.0297	Increasing	0.8526
RET5.2	TOTBMASS	SAV2	AP	220611258	39617070	287	633873114	<0.0001	Increasing	0.1391
RET5.2	TOTBMASS	SAV2	BP	461059124	47377605	164	758041678	<0.0001	Increasing	0.4010
RET5.2	CHLORO	Spring1	AP	20188	125982	9985	2015707	<0.0001	Improving	0.8565
RET5.2	CHLORO	Spring1	BP	39360	162590	6609	2601440	<0.0001	Improving	0.7413
RET5.2	CHLORO_C	Spring1	AP	184240	9575588	83158	153209414	<0.0001	Improving	0.5674
RET5.2	CHLORO_C	Spring1	BP	516782	12431582	38489	198905309	<0.0001	Improving	0.9474
RET5.2	CRYPTO	Spring1	AP	450316	87198	310	1395166	0.0005	Increasing	0.8391

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
RET5.2	CRYPTO	Spring1	BP	232281	79539	548	1272628	0.0006	Increasing	0.8610
RET5.2	CRYPTO_C	Spring1	AP	10812087	2093621	310	33497932	0.0005	Increasing	0.8391
RET5.2	CRYPTO_C	Spring1	BP	5577067	1909737	548	30555790	0.0006	Increasing	0.8610
RET5.2	CYANO	Spring1	AP	171021	66166	619	1058651	0.0747	No trend	0.5890
RET5.2	CYANO	Spring1	BP	219409	81351	593	1301622	0.0012	Degrading	0.6056
RET5.2	CYANO_C	Spring1	AP	1724405	216858	201	3469733	0.4979	No trend	0.3795
RET5.2	CYANO_C	Spring1	BP	1262804	674008	854	10784135	0.0010	Degrading	0.3443
RET5.2	DIATOM	Spring1	AP	3838710	31792	13	508669	0.8605	No trend	0.6926
RET5.2	DIATOM	Spring1	BP	9815697	73851	12	1181621	0.8213	No trend	0.3207
RET5.2	DIATOM_C	Spring1	AP	94308401	22445095	381	359121515	0.0008	Improving	0.8917
RET5.2	DIATOM_C	Spring1	BP	266401906	49079422	295	785270754	0.0002	Improving	0.9211
RET5.2	DINOFL_C	Spring1	AP	0	0		0	0.3989	No trend	0.1476
RET5.2	DINOFL_C	Spring1	BP	0	0		0	0.0719	No trend	0.6268
RET5.2	DINOFLG	Spring1	AP	0	0		0	0.6725	No trend	0.2714
RET5.2	DINOFLG	Spring1	BP	0	0		0	0.0204	No change	0.5216
RET5.2	EVENNESS	Spring1	AP	0.55	0.01	29.09	0.16	0.0196	Improving	0.3815
RET5.2	EVENNESS	Spring1	BP	0.44	0.02	72.73	0.32	0.0002	Improving	0.7837
RET5.2	MARGALEF	Spring1	AP	1.41	0.00	0.00	0.00	0.6696	No trend	0.9285
RET5.2	MARGALEF	Spring1	BP	1.31	0.01	12.21	0.16	0.3276	No trend	0.4670
RET5.2	N_GENERA	Spring1	AP	20.50	0.30	23.41	4.80	0.1896	No trend	0.9416
RET5.2	N_GENERA	Spring1	BP	19.50	0.38	31.18	6.08	0.0656	No trend	0.6162
RET5.2	N_SP	Spring1	AP	24.00	0.13	8.67	2.08	0.6318	No trend	0.9978
RET5.2	N_SP	Spring1	BP	22.00	0.25	18.18	4.00	0.2904	No trend	0.4927
RET5.2	PROCAR_C	Spring1	AP	0.01	0.00	0.00	0.00	0.5637	No trend	0.3595
RET5.2	PROCAR_C	Spring1	BP	0.00	0.00		0.00	0.2804	No trend	0.4522
RET5.2	PROCARY	Spring1	AP	0.02	0.01	800.00	0.16	0.0329	Degrading	0.2342
RET5.2	PROCARY	Spring1	BP	0.04	0.01	400.00	0.16	0.0097	Degrading	0.7740
RET5.2	RATIO	Spring1	AP	27.57	2.15	124.77	34.40	0.0046	Improving	0.9770
RET5.2	RATIO	Spring1	BP	27.82	3.25	186.92	52.00	0.0012	Improving	0.9964
RET5.2	SHANNON	Spring1	AP	2.40	0.05	33.33	0.80	0.0046	Improving	0.4362
RET5.2	SHANNON	Spring1	BP	1.72	0.09	83.72	1.44	0.0001	Improving	0.9258
RET5.2	TOTABUND	Spring1	AP	6741583	438540	104	7016640	0.1525	No trend	0.9126
RET5.2	TOTABUND	Spring1	BP	11553660	455429	63	7286860	0.3034	No trend	0.6382
RET5.2	TOTBMASS	Spring1	AP	180688128	49225675	436	787610797	<0.0001	Increasing	0.5976
RET5.2	TOTBMASS	Spring1	BP	304935178	78108993	410	1249743893	<0.0001	Increasing	0.8858
RET5.2	CHLORO	Spring2	AP	43456	158308	5829	2532927	0.0004	Improving	0.6418
RET5.2	CHLORO	Spring2	BP	188006	160962	1370	2575393	<0.0001	Improving	0.9536
RET5.2	CHLORO_C	Spring2	AP	772357	8742529	18111	139880460	0.0001	Improving	0.8420
RET5.2	CHLORO_C	Spring2	BP	1217062	9811539	12899	156984632	<0.0001	Improving	0.9843
RET5.2	CRYPTO	Spring2	AP	656796	115105	280	1841674	0.0005	Increasing	0.8890
RET5.2	CRYPTO	Spring2	BP	530842	93549	282	1496778	0.0023	Increasing	0.7921
RET5.2	CRYPTO_C	Spring2	AP	15769672	2763662	280	44218586	0.0005	Increasing	0.8890
RET5.2	CRYPTO_C	Spring2	BP	12745504	2246102	282	35937634	0.0023	Increasing	0.7921
RET5.2	CYANO	Spring2	AP	450714	195884	695	3134139	0.0174	Degrading	0.9910
RET5.2	CYANO	Spring2	BP	525761	104594	318	1673499	0.0058	Degrading	0.3063
RET5.2	CYANO_C	Spring2	AP	1724405	739533	686	11832530	0.0636	No trend	0.5319
RET5.2	CYANO_C	Spring2	BP	2072903	1188522	917	19016348	0.0004	Degrading	0.6204
RET5.2	DIATOM	Spring2	AP	6962587	226091	52	3617464	0.2740	No trend	0.1217
RET5.2	DIATOM	Spring2	BP	14036433	144667	16	2314668	0.6343	No trend	0.2432
RET5.2	DIATOM_C	Spring2	AP	188205956	45771794	389	732348706	0.0002	Improving	0.7155
RET5.2	DIATOM_C	Spring2	BP	423425502	55302184	209	884834936	0.0003	Improving	0.8593
RET5.2	DINOFL_C	Spring2	AP	3404385	0	0	0	0.2037	No trend	0.6763
RET5.2	DINOFL_C	Spring2	BP	700709	0	0	0	0.1561	No trend	0.4282
RET5.2	DINOFLG	Spring2	AP	66740	0	0	0	0.3557	No trend	0.8710
RET5.2	DINOFLG	Spring2	BP	3072	25	13	398	0.0614	No trend	0.2870
RET5.2	EVENNESS	Spring2	AP	0.57	0.01	28.07	0.16	0.0058	Improving	0.6823
RET5.2	EVENNESS	Spring2	BP	0.50	0.01	32.00	0.16	0.0010	Improving	0.4805
RET5.2	MARGALEF	Spring2	AP	1.36	0.00	0.00	0.00	0.8865	No trend	0.7674
RET5.2	MARGALEF	Spring2	BP	1.49	0.00	0.00	0.00	0.7036	No trend	0.5061
RET5.2	N_GENERA	Spring2	AP	20.50	0.25	19.51	4.00	0.2149	No trend	0.9266

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
RET5.2	N_GENERA	Spring2	BP	20.50	0.28	21.85	4.48	0.1660	No trend	0.6284
RET5.2	N_SP	Spring2	AP	24.00	0.00	0.00	0.00	0.8485	No trend	0.9066
RET5.2	N_SP	Spring2	BP	26.50	0.13	7.85	2.08	0.6168	No trend	0.5240
RET5.2	PROCAR_C	Spring2	AP	0.01	0.00	0.00	0.00	0.9242	No trend	0.8139
RET5.2	PROCAR_C	Spring2	BP	0.00	0.00		0.00	0.2344	No trend	0.6246
RET5.2	PROCARY	Spring2	AP	0.02	0.01	800.00	0.16	0.0457	Degrading	0.2293
RET5.2	PROCARY	Spring2	BP	0.06	0.01	266.67	0.16	0.0512	No trend	0.3729
RET5.2	RATIO	Spring2	AP	18.90	1.83	154.92	29.28	0.0014	Improving	0.9197
RET5.2	RATIO	Spring2	BP	27.82	2.53	145.51	40.48	0.0077	Improving	0.7401
RET5.2	SHANNON	Spring2	AP	2.37	0.06	40.51	0.96	0.0009	Improving	0.7302
RET5.2	SHANNON	Spring2	BP	2.10	0.06	45.71	0.96	0.0006	Improving	0.5970
RET5.2	TOTABUND	Spring2	AP	13406529	939150	112	15026402	0.0408	Increasing	0.5719
RET5.2	TOTABUND	Spring2	BP	19131295	729536	61	11672579	0.1280	No trend	0.3234
RET5.2	TOTBMASS	Spring2	AP	291415737	70271512	386	1124344187	<0.0001	Increasing	0.6792
RET5.2	TOTBMASS	Spring2	BP	475922295	80618885	271	1289902165	<0.0001	Increasing	0.8478
RET5.2	CHLORO	Summer1	AP	132346	81616	987	1305860	0.0320	Improving	0.6001
RET5.2	CHLORO	Summer1	BP	581248	69437	191	1110985	0.0505	No trend	0.1297
RET5.2	CHLORO_C	Summer1	AP	4827291	8594009	2848	137504138	0.0002	Improving	0.9366
RET5.2	CHLORO_C	Summer1	BP	9192079	3086074	537	49377184	0.0272	Improving	0.1962
RET5.2	CRYPTO	Summer1	AP	640335	58303	146	932847	0.0156	Increasing	0.3913
RET5.2	CRYPTO	Summer1	BP	564020	62003	176	992055	0.0045	Increasing	0.7968
RET5.2	CRYPTO_C	Summer1	AP	15374431	1399853	146	22397645	0.0156	Increasing	0.3913
RET5.2	CRYPTO_C	Summer1	BP	13542108	1488702	176	23819230	0.0045	Increasing	0.7968
RET5.2	CYANO	Summer1	AP	1889711	509894	432	8158299	0.0355	Degrading	0.7173
RET5.2	CYANO	Summer1	BP	2196192	135938	99	2175010	0.5560	No trend	0.9772
RET5.2	CYANO_C	Summer1	AP	6226410	2622821	674	41965140	0.0258	Degrading	0.4326
RET5.2	CYANO_C	Summer1	BP	13653746	205852	24	3293629	0.6741	No trend	0.5567
RET5.2	DIATOM	Summer1	AP	5105022	434552	136	6952824	0.0103	Improving	0.6384
RET5.2	DIATOM	Summer1	BP	8253190	441170	86	7058713	0.0081	Improving	0.8755
RET5.2	DIATOM_C	Summer1	AP	110560291	27642356	400	442277702	0.0048	Improving	0.4282
RET5.2	DIATOM_C	Summer1	BP	378784412	25381140	107	406098238	0.0016	Improving	0.4806
RET5.2	DINOFL_C	Summer1	AP	1804900	53070	47	849116	0.2730	No trend	0.8102
RET5.2	DINOFL_C	Summer1	BP	2371816	0	0	0	0.5920	No trend	0.4895
RET5.2	DINOFLG	Summer1	AP	67890	0	0	0	0.9160	No trend	0.9851
RET5.2	DINOFLG	Summer1	BP	58963	-22	-1	-351	0.2649	No trend	0.4106
RET5.2	EVENNESS	Summer1	AP	0.58	0.00	0.00	0.00	0.3128	No trend	0.4886
RET5.2	EVENNESS	Summer1	BP	0.53	0.01	30.19	0.16	0.0846	No trend	0.7788
RET5.2	MARGALEF	Summer1	AP	1.93	-0.02	-16.58	-0.32	0.2742	No trend	0.5110
RET5.2	MARGALEF	Summer1	BP	1.93	-0.02	-16.58	-0.32	0.1923	No trend	0.6124
RET5.2	N_GENERA	Summer1	AP	25.50	0.11	6.90	1.76	0.6886	No trend	0.5158
RET5.2	N_GENERA	Summer1	BP	27.00	0.00	0.00	0.00	0.8823	No trend	0.7554
RET5.2	N_SP	Summer1	AP	31.50	-0.11	-5.59	-1.76	0.6886	No trend	0.5667
RET5.2	N_SP	Summer1	BP	32.50	-0.25	-12.31	-4.00	0.3320	No trend	0.6914
RET5.2	PROCAR_C	Summer1	AP	0.03	0.00	0.00	0.00	0.7684	No trend	0.1892
RET5.2	PROCAR_C	Summer1	BP	0.04	0.00	0.00	0.00	0.3334	No trend	0.4811
RET5.2	PROCARY	Summer1	AP	0.27	0.01	59.26	0.16	0.4242	No trend	0.2554
RET5.2	PROCARY	Summer1	BP	0.21	-0.01	-76.19	-0.16	0.5845	No trend	0.9494
RET5.2	RATIO	Summer1	AP	17.83	0.83	74.48	13.28	0.0481	Improving	0.3463
RET5.2	RATIO	Summer1	BP	24.03	1.04	69.25	16.64	0.0287	Improving	0.1558
RET5.2	SHANNON	Summer1	AP	2.87	0.02	11.15	0.32	0.2742	No trend	0.3202
RET5.2	SHANNON	Summer1	BP	2.69	0.02	11.90	0.32	0.1652	No trend	0.4501
RET5.2	TOTABUND	Summer1	AP	7289712	1234906	271	19758500	0.0048	Increasing	0.8777
RET5.2	TOTABUND	Summer1	BP	13074827	764954	94	12239268	0.0393	Increasing	0.6406
RET5.2	TOTBMASS	Summer1	AP	161745343	42684734	422	682955750	0.0012	Increasing	0.5345
RET5.2	TOTBMASS	Summer1	BP	432501103	36125122	134	578001957	0.0028	Increasing	0.3452
RET5.2	CHLORO	Summer2	AP	132346	74195	897	1187115	0.0869	No trend	0.4124
RET5.2	CHLORO	Summer2	BP	673498	27816	66	445061	0.5408	No trend	0.5591
RET5.2	CHLORO_C	Summer2	AP	4827291	7116244	2359	113859911	0.0017	Improving	0.8488
RET5.2	CHLORO_C	Summer2	BP	10077631	884922	140	14158748	0.3401	No trend	0.5566
RET5.2	CRYPTO	Summer2	AP	680268	38531	91	616495	0.1632	No trend	0.5539

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
RET5.2	CRYPTO	Summer2	BP	671847	61992	148	991878	0.0135	Increasing	0.6014
RET5.2	CRYPTO_C	Summer2	AP	16333235	925128	91	14802047	0.1632	No trend	0.5539
RET5.2	CRYPTO_C	Summer2	BP	16131034	1488436	148	23814979	0.0135	Increasing	0.6014
RET5.2	CYANO	Summer2	AP	1889711	283094	240	4529506	0.0963	No trend	0.5378
RET5.2	CYANO	Summer2	BP	2196192	100657	73	1610515	0.6598	No trend	0.9132
RET5.2	CYANO_C	Summer2	AP	6226410	2639374	678	42229981	0.1065	No trend	0.3124
RET5.2	CYANO_C	Summer2	BP	20456521	-195560	-15	-3128960	0.8068	No trend	0.7257
RET5.2	DIATOM	Summer2	AP	5105022	329502	103	5272030	0.1065	No trend	0.8600
RET5.2	DIATOM	Summer2	BP	8253190	441170	86	7058713	0.0354	Improving	0.7638
RET5.2	DIATOM_C	Summer2	AP	110560291	15776810	228	252428965	0.0963	No trend	0.8014
RET5.2	DIATOM_C	Summer2	BP	312853360	23831563	122	381305006	0.0071	Improving	0.2926
RET5.2	DINOFL_C	Summer2	AP	1804900	141263	125	2260208	0.1936	No trend	0.7770
RET5.2	DINOFL_C	Summer2	BP	3934292	-126	-0	-2023	0.5524	No trend	0.3067
RET5.2	DINOFLG	Summer2	AP	67890	26	1	410	0.8444	No trend	0.9467
RET5.2	DINOFLG	Summer2	BP	62538	-96	-2	-1536	0.2249	No trend	0.2665
RET5.2	EVENNESS	Summer2	AP	0.58	0.00	0.00	0.00	0.6598	No trend	0.4361
RET5.2	EVENNESS	Summer2	BP	0.54	0.01	29.63	0.16	0.1423	No trend	0.5804
RET5.2	MARGALEF	Summer2	AP	1.93	-0.02	-16.58	-0.32	0.3280	No trend	0.3165
RET5.2	MARGALEF	Summer2	BP	2.03	-0.02	-15.76	-0.32	0.1423	No trend	0.5116
RET5.2	N_GENERA	Summer2	AP	25.50	0.00	0.00	0.00	0.8829	No trend	0.3487
RET5.2	N_GENERA	Summer2	BP	28.00	0.00	0.00	0.00	0.8826	No trend	0.6436
RET5.2	N_SP	Summer2	AP	31.50	-0.12	-6.10	-1.92	0.7499	No trend	0.3630
RET5.2	N_SP	Summer2	BP	34.00	-0.32	-15.06	-5.12	0.2591	No trend	0.5718
RET5.2	PROCAR_C	Summer2	AP	0.05	0.00	0.00	0.00	0.5249	No trend	0.1189
RET5.2	PROCAR_C	Summer2	BP	0.09	0.00	0.00	0.00	0.2819	No trend	0.3217
RET5.2	PROCARY	Summer2	AP	0.27	0.02	118.52	0.32	0.3044	No trend	0.1592
RET5.2	PROCARY	Summer2	BP	0.21	-0.01	-76.19	-0.16	0.4935	No trend	0.9103
RET5.2	RATIO	Summer2	AP	18.20	0.52	45.71	8.32	0.3044	No trend	0.4678
RET5.2	RATIO	Summer2	BP	22.96	1.02	71.08	16.32	0.0449	Improving	0.0743
RET5.2	SHANNON	Summer2	AP	2.87	0.00	0.00	0.00	0.8068	No trend	0.4629
RET5.2	SHANNON	Summer2	BP	2.76	0.02	11.59	0.32	0.3527	No trend	0.3129
RET5.2	TOTABUND	Summer2	AP	7289712	881377	193	14102025	0.0354	Increasing	0.8904
RET5.2	TOTABUND	Summer2	BP	13074827	592259	72	9476146	0.2404	No trend	0.8851
RET5.2	TOTBMASS	Summer2	AP	161745343	33762631	334	540202098	0.0277	Increasing	0.6808
RET5.2	TOTBMASS	Summer2	BP	369017392	28484064	124	455745029	0.0354	Increasing	0.3063
RET5.2	CHLORO	Winter	AP	76156	117052	2306	1755780	0.0006	Improving	0.3151
RET5.2	CHLORO	Winter	BP	221626	75643	512	1134642	0.0010	Improving	0.6440
RET5.2	CHLORO_C	Winter	AP	1745436	14047445	12072	210711670	0.0001	Improving	0.3656
RET5.2	CHLORO_C	Winter	BP	2437861	15344265	9441	230163968	<0.0001	Improving	0.6123
RET5.2	CRYPTO	Winter	AP	151432	82437	817	1236551	0.0474	Increasing	0.9625
RET5.2	CRYPTO	Winter	BP	153289	66184	648	992756	0.0780	No trend	0.6696
RET5.2	CRYPTO_C	Winter	AP	3635870	1979306	817	29689596	0.0474	Increasing	0.9625
RET5.2	CRYPTO_C	Winter	BP	3680457	1589071	648	23836068	0.0780	No trend	0.6696
RET5.2	CYANO	Winter	AP	169771	155347	1373	2330209	0.0780	No trend	0.2445
RET5.2	CYANO	Winter	BP	204655	186820	1369	2802302	0.0026	Degrading	0.8868
RET5.2	CYANO_C	Winter	AP	2906459	362196	187	5432937	0.2401	No trend	0.2327
RET5.2	CYANO_C	Winter	BP	778924	679363	1308	10190441	0.0033	Degrading	0.6068
RET5.2	DIATOM	Winter	AP	2305361	198570	129	2978545	0.2120	No trend	0.3327
RET5.2	DIATOM	Winter	BP	2920100	121945	63	1829172	0.2120	No trend	0.6133
RET5.2	DIATOM_C	Winter	AP	204753611	44026712	323	660400677	0.0020	Improving	0.3424
RET5.2	DIATOM_C	Winter	BP	140794122	42074331	448	631114962	0.0042	Improving	0.9981
RET5.2	DINOFL_C	Winter	AP	866712	0	0	0	0.8999	No trend	0.9590
RET5.2	DINOFL_C	Winter	BP	0	0		0	0.9355	No trend	0.0743
RET5.2	DINOFLG	Winter	AP	41038	0	0	0	0.4758	No trend	0.8733
RET5.2	DINOFLG	Winter	BP	0	0		0	0.5712	No trend	0.2053
RET5.2	EVENNESS	Winter	AP	0.61	0.00	0.00	0.00	0.5087	No trend	0.1959
RET5.2	EVENNESS	Winter	BP	0.65	0.01	23.08	0.15	0.0664	No trend	0.5925
RET5.2	MARGALEF	Winter	AP	1.91	0.00	0.00	0.00	0.9415	No trend	0.1415
RET5.2	MARGALEF	Winter	BP	1.36	0.02	22.06	0.30	0.1863	No trend	0.3053
RET5.2	N_GENERA	Winter	AP	25.50	0.35	20.59	5.25	0.1503	No trend	0.1286

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
RET5.2	N_GENERA	Winter	BP	20.00	0.50	37.50	7.50	0.0131	Improving	0.4033
RET5.2	N_SP	Winter	AP	29.50	0.41	20.85	6.15	0.3200	No trend	0.0562
RET5.2	N_SP	Winter	BP	21.50	0.50	34.88	7.50	0.0824	No trend	0.1883
RET5.2	PROCAR_C	Winter	AP	0.02	0.00	0.00	0.00	0.8257	No trend	0.5480
RET5.2	PROCAR_C	Winter	BP	0.01	0.00	0.00	0.00	0.1420	No trend	0.4615
RET5.2	PROCARY	Winter	AP	0.08	0.01	187.50	0.15	0.2120	No trend	0.4115
RET5.2	PROCARY	Winter	BP	0.07	0.01	214.29	0.15	0.0125	Degrading	0.5913
RET5.2	RATIO	Winter	AP	60.94	3.96	97.47	59.40	0.0188	Improving	0.6914
RET5.2	RATIO	Winter	BP	43.08	3.37	117.34	50.55	0.0276	Improving	0.2848
RET5.2	SHANNON	Winter	AP	2.96	0.03	15.20	0.45	0.3783	No trend	0.0364
RET5.2	SHANNON	Winter	BP	2.85	0.06	31.58	0.90	0.0066	Improving	0.3818
RET5.2	TOTABUND	Winter	AP	2875132	789031	412	11835464	0.0276	Increasing	0.3972
RET5.2	TOTABUND	Winter	BP	3529799	599126	255	8986890	0.0188	Increasing	0.8472
RET5.2	TOTBMASS	Winter	AP	220844406	64697190	439	970457843	0.0007	Increasing	0.2793
RET5.2	TOTBMASS	Winter	BP	149016357	52240072	526	783601084	0.0010	Increasing	0.4491
LE5.5	CHLORO	Annual	AP	32	1603	85140	27245	0.0001	Improving	0.8747
LE5.5	CHLORO	Annual	BP	16212	2225	233	37831	<0.0001	Improving	0.8848
LE5.5	CHLORO_C	Annual	AP	207	54383	446533	924503	<0.0001	Improving	0.9778
LE5.5	CHLORO_C	Annual	BP	364770	37817	176	642882	<0.0001	Improving	0.7561
LE5.5	CRYPTO	Annual	AP	893876	-7269	-14	-123569	0.2127	No trend	0.0121
LE5.5	CRYPTO	Annual	BP	557305	18284	56	310825	0.0001	Increasing	0.8238
LE5.5	CRYPTO_C	Annual	AP	21461963	-172680	-14	-2935559	0.2392	No trend	0.0136
LE5.5	CRYPTO_C	Annual	BP	13381509	442156	56	7516655	0.0002	Increasing	0.8203
LE5.5	CYANO	Annual	AP	1856	4565	4182	77611	<0.0001	Degrading	0.9579
LE5.5	CYANO	Annual	BP	1791	3976	3774	67599	<0.0001	Degrading	0.9552
LE5.5	CYANO_C	Annual	AP	5526	24202	7446	411438	<0.0001	Degrading	0.9364
LE5.5	CYANO_C	Annual	BP	6415	26413	7000	449029	<0.0001	Degrading	0.9789
LE5.5	DIATOM	Annual	AP	2962583	65057	37	1105970	0.0368	Improving	0.0027
LE5.5	DIATOM	Annual	BP	3411687	59495	30	1011414	0.0738	No trend	0.1494
LE5.5	DIATOM_C	Annual	AP	105338729	7448908	120	126631440	0.0011	Improving	0.0016
LE5.5	DIATOM_C	Annual	BP	173908168	9990344	98	169835845	0.0002	Improving	0.0352
LE5.5	DINOFL_C	Annual	AP	21005500	865258	70	14709382	0.0990	No trend	0.5307
LE5.5	DINOFL_C	Annual	BP	16975014	1577287	158	26813885	<0.0001	Degrading	0.9162
LE5.5	DINOFLG	Annual	AP	94013	144	3	2452	0.8990	No trend	0.6123
LE5.5	DINOFLG	Annual	BP	54295	6985	219	118739	<0.0001	Degrading	0.7632
LE5.5	EVENNESS	Annual	AP	0.42	0.01	40.48	0.17	<0.0001	Improving	0.9981
LE5.5	EVENNESS	Annual	BP	0.49	0.01	34.69	0.17	<0.0001	Improving	0.9160
LE5.5	MARGALEF	Annual	AP	2.46	0.01	6.91	0.17	0.0944	No trend	0.4110
LE5.5	MARGALEF	Annual	BP	2.43	0.02	13.99	0.34	0.0217	Improving	0.8265
LE5.5	N_GENERA	Annual	AP	31.00	0.20	10.97	3.40	0.0371	Improving	0.4082
LE5.5	N_GENERA	Annual	BP	31.75	0.25	13.39	4.25	0.0047	Improving	0.6305
LE5.5	N_SP	Annual	AP	38.00	0.13	5.82	2.21	0.2026	No trend	0.3895
LE5.5	N_SP	Annual	BP	38.25	0.38	16.89	6.46	0.0011	Improving	0.5976
LE5.5	PROCAR_C	Annual	AP	0.00	0.00		0.00	<0.0001	No change	0.9623
LE5.5	PROCAR_C	Annual	BP	0.00	0.00		0.00	<0.0001	No change	0.9801
LE5.5	PROCARY	Annual	AP	0.00	0.00		0.00	<0.0001	No change	0.9952
LE5.5	PROCARY	Annual	BP	0.00	0.00		0.00	<0.0001	No change	0.9759
LE5.5	RATIO	Annual	AP	38.39	1.38	61.11	23.46	0.0011	Improving	0.2423
LE5.5	RATIO	Annual	BP	50.96	1.35	45.04	22.95	0.0067	Improving	0.1190
LE5.5	SHANNON	Annual	AP	2.26	0.05	37.61	0.85	<0.0001	Improving	0.9776
LE5.5	SHANNON	Annual	BP	2.63	0.05	32.32	0.85	<0.0001	Improving	0.7898
LE5.5	TOTABUND	Annual	AP	4689301	36615	13	622462	0.4128	No trend	0.0261
LE5.5	TOTABUND	Annual	BP	4108135	106283	44	1806805	0.0082	Increasing	0.2897
LE5.5	TOTBMASS	Annual	AP	189269406	7352411	66	124990980	0.0260	Increasing	0.0011
LE5.5	TOTBMASS	Annual	BP	216201058	13510698	106	229681869	0.0001	Increasing	0.0364
LE5.5	CHLORO	Fall	AP	32	5	252	81	0.0574	No trend	0.9339
LE5.5	CHLORO	Fall	BP	64	79	2090	1337	0.1869	No trend	0.8051
LE5.5	CHLORO_C	Fall	AP	207	59	481	996	0.0606	No trend	0.9452
LE5.5	CHLORO_C	Fall	BP	2396	0	0	0	0.4177	No trend	0.9155
LE5.5	CRYPTO	Fall	AP	801821	4195	9	71322	0.7702	No trend	0.7634

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
LE5.5	CRYPTO	Fall	BP	363565	21014	98	357233	0.0507	No trend	0.1942
LE5.5	CRYPTO_C	Fall	AP	19251722	100731	9	1712431	0.7360	No trend	0.8701
LE5.5	CRYPTO_C	Fall	BP	8427761	521354	105	8863010	0.0507	No trend	0.1942
LE5.5	CYANO	Fall	AP	0	4254		72316	0.0008	Degrading	0.3477
LE5.5	CYANO	Fall	BP	1663	1090	1114	18530	0.0229	Degrading	0.6387
LE5.5	CYANO_C	Fall	AP	0	26180		445056	0.0008	Degrading	0.3293
LE5.5	CYANO_C	Fall	BP	2495	6993	4766	118887	0.0107	Degrading	0.6273
LE5.5	DIATOM	Fall	AP	483144	134836	474	2292207	<0.0001	Improving	0.7643
LE5.5	DIATOM	Fall	BP	731542	74547	173	1267300	0.0348	Improving	0.2486
LE5.5	DIATOM_C	Fall	AP	21357641	13110887	1044	222885072	0.0001	Improving	0.1491
LE5.5	DIATOM_C	Fall	BP	46016459	15527356	574	263965045	<0.0001	Improving	0.8691
LE5.5	DINOFL_C	Fall	AP	10128515	299580	50	5092862	0.6213	No trend	0.6272
LE5.5	DINOFL_C	Fall	BP	2388102	907061	646	15420041	0.0010	Degrading	0.6724
LE5.5	DINOFLG	Fall	AP	43635	850	33	14449	0.5900	No trend	0.8506
LE5.5	DINOFLG	Fall	BP	15168	4265	478	72499	0.0062	Degrading	0.8400
LE5.5	EVENNESS	Fall	AP	0.43	0.01	39.53	0.17	0.0035	Improving	0.9547
LE5.5	EVENNESS	Fall	BP	0.49	0.01	34.69	0.17	0.0006	Improving	0.8953
LE5.5	MARGALEF	Fall	AP	2.65	0.02	12.83	0.34	0.2086	No trend	0.0139
LE5.5	MARGALEF	Fall	BP	2.20	0.03	23.18	0.51	0.0348	Improving	0.3940
LE5.5	N_GENERA	Fall	AP	33.75	0.32	16.12	5.44	0.1258	No trend	0.0905
LE5.5	N_GENERA	Fall	BP	28.75	0.45	26.61	7.65	0.0424	Improving	0.5701
LE5.5	N_SP	Fall	AP	39.50	0.40	17.22	6.80	0.0713	No trend	0.0222
LE5.5	N_SP	Fall	BP	32.75	0.67	34.78	11.39	0.0064	Improving	0.4409
LE5.5	PROCAR_C	Fall	AP	0.00	0.00		0.00	0.0028	No change	0.4576
LE5.5	PROCAR_C	Fall	BP	0.00	0.00		0.00	0.0660	No trend	0.5946
LE5.5	PROCARY	Fall	AP	0.00	0.00		0.00	0.0003	No change	0.4779
LE5.5	PROCARY	Fall	BP	0.00	0.00		0.00	0.0169	No change	0.6089
LE5.5	RATIO	Fall	AP	36.84	1.41	65.07	23.97	0.1268	No trend	0.0214
LE5.5	RATIO	Fall	BP	46.05	1.77	65.34	30.09	0.0388	Improving	0.4700
LE5.5	SHANNON	Fall	AP	2.25	0.05	37.78	0.85	0.0001	Improving	0.8113
LE5.5	SHANNON	Fall	BP	2.44	0.05	34.84	0.85	0.0001	Improving	0.8715
LE5.5	TOTABUND	Fall	AP	1604150	195192	207	3318272	0.0010	Increasing	0.9648
LE5.5	TOTABUND	Fall	BP	1377526	88703	109	1507959	0.0482	Increasing	0.5990
LE5.5	TOTBMASS	Fall	AP	70513231	13891608	335	236157328	0.0135	Increasing	0.0234
LE5.5	TOTBMASS	Fall	BP	64837925	16113827	422	273935064	0.0001	Increasing	0.6450
LE5.5	CHLORO	SAV1	AP	0	2208		37536	0.0012	Improving	0.8159
LE5.5	CHLORO	SAV1	BP	20736	2440	200	41480	0.0079	Improving	0.7545
LE5.5	CHLORO_C	SAV1	AP	0	31288		531903	0.0048	Improving	0.7289
LE5.5	CHLORO_C	SAV1	BP	466560	37287	136	633885	0.0087	Improving	0.4984
LE5.5	CRYPTO	SAV1	AP	889625	-7378	-14	-125423	0.4023	No trend	0.0143
LE5.5	CRYPTO	SAV1	BP	407480	20860	87	354612	0.0051	Increasing	0.6417
LE5.5	CRYPTO_C	SAV1	AP	21359896	-177328	-14	-3014580	0.3671	No trend	0.0163
LE5.5	CRYPTO_C	SAV1	BP	9783595	500837	87	8514222	0.0051	Increasing	0.6417
LE5.5	CYANO	SAV1	AP	5236	5095	1654	86619	0.0015	Degrading	0.9109
LE5.5	CYANO	SAV1	BP	3326	4157	2125	70665	0.0004	Degrading	0.8044
LE5.5	CYANO_C	SAV1	AP	29935	26995	1533	458918	0.0053	Degrading	0.9677
LE5.5	CYANO_C	SAV1	BP	7841	31478	6825	535129	0.0006	Degrading	0.9218
LE5.5	DIATOM	SAV1	AP	1031494	58883	97	1001016	0.1712	No trend	0.0024
LE5.5	DIATOM	SAV1	BP	2737626	56044	35	952750	0.2152	No trend	0.3646
LE5.5	DIATOM_C	SAV1	AP	91444314	4022692	75	68385761	0.1712	No trend	0.0051
LE5.5	DIATOM_C	SAV1	BP	115718161	7679822	113	130556978	0.0105	Improving	0.1190
LE5.5	DINOFL_C	SAV1	AP	18734908	-28539	-3	-485161	0.9615	No trend	0.4106
LE5.5	DINOFL_C	SAV1	BP	16799949	1055589	107	17945015	0.0005	Degrading	0.8066
LE5.5	DINOFLG	SAV1	AP	75582	-332	-7	-5642	0.6874	No trend	0.2045
LE5.5	DINOFLG	SAV1	BP	38106	6841	305	116293	<0.0001	Degrading	0.6404
LE5.5	EVENNESS	SAV1	AP	0.44	0.01	38.64	0.17	0.0001	Improving	0.9733
LE5.5	EVENNESS	SAV1	BP	0.49	0.01	34.69	0.17	0.0001	Improving	0.6403
LE5.5	MARGALEF	SAV1	AP	2.45	0.01	6.94	0.17	0.2273	No trend	0.1612
LE5.5	MARGALEF	SAV1	BP	2.42	0.01	7.02	0.17	0.3760	No trend	0.9485
LE5.5	N_GENERA	SAV1	AP	30.50	0.25	13.93	4.25	0.0654	No trend	0.3934

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
LE5.5	N_GENERA	SAV1	BP	29.50	0.20	11.53	3.40	0.2079	No trend	0.9683
LE5.5	N_SP	SAV1	AP	36.00	0.17	8.03	2.89	0.3090	No trend	0.2727
LE5.5	N_SP	SAV1	BP	35.00	0.32	15.54	5.44	0.1378	No trend	0.8317
LE5.5	PROCAR_C	SAV1	AP	0.00	0.00		0.00	0.0071	No change	0.9834
LE5.5	PROCAR_C	SAV1	BP	0.00	0.00		0.00	0.0059	No change	0.9648
LE5.5	PROCARY	SAV1	AP	0.00	0.00		0.00	0.0001	No change	0.9988
LE5.5	PROCARY	SAV1	BP	0.00	0.00		0.00	0.0013	No change	0.9212
LE5.5	RATIO	SAV1	AP	43.14	0.40	15.76	6.80	0.5514	No trend	0.4319
LE5.5	RATIO	SAV1	BP	47.07	0.22	7.95	3.74	0.7843	No trend	0.6299
LE5.5	SHANNON	SAV1	AP	2.42	0.05	35.12	0.85	<0.0001	Improving	0.9055
LE5.5	SHANNON	SAV1	BP	2.49	0.04	27.31	0.68	0.0002	Improving	0.8409
LE5.5	TOTABUND	SAV1	AP	2340189	42200	31	717408	0.4493	No trend	0.0075
LE5.5	TOTABUND	SAV1	BP	3510708	115497	56	1963443	0.0641	No trend	0.7402
LE5.5	TOTBMASS	SAV1	AP	122424885	-986552	-14	-16771385	0.7843	No trend	0.0178
LE5.5	TOTBMASS	SAV1	BP	148731409	10026495	115	170450412	0.0180	Increasing	0.1881
LE5.5	CHLORO	SAV2	AP	0	1283		21804	0.0023	Improving	0.9653
LE5.5	CHLORO	SAV2	BP	15835	4673	502	79439	<0.0001	Improving	0.9511
LE5.5	CHLORO_C	SAV2	AP	0	29699		504878	0.0051	Improving	0.9778
LE5.5	CHLORO_C	SAV2	BP	356288	115446	551	1962578	<0.0001	Improving	0.8744
LE5.5	CRYPTO	SAV2	AP	1200951	-19480	-28	-331160	0.0305	Decreasing	0.0278
LE5.5	CRYPTO	SAV2	BP	407480	19941	83	338996	0.0006	Increasing	0.9483
LE5.5	CRYPTO_C	SAV2	AP	28834822	-461496	-27	-7845433	0.0354	Decreasing	0.0280
LE5.5	CRYPTO_C	SAV2	BP	9783595	478783	83	8139303	0.0009	Increasing	0.9376
LE5.5	CYANO	SAV2	AP	12701	4523	605	76887	0.0002	Degrading	0.9803
LE5.5	CYANO	SAV2	BP	8295	4976	1020	84595	<0.0001	Degrading	0.8851
LE5.5	CYANO_C	SAV2	AP	29935	18385	1044	312543	0.0007	Degrading	0.9592
LE5.5	CYANO_C	SAV2	BP	66356	28801	738	489617	<0.0001	Degrading	0.9011
LE5.5	DIATOM	SAV2	AP	3134568	74282	40	1262801	0.0662	No trend	0.3456
LE5.5	DIATOM	SAV2	BP	3456593	101633	50	1727765	0.0804	No trend	0.4802
LE5.5	DIATOM_C	SAV2	AP	117515737	7350389	106	124956609	0.0044	Improving	0.3184
LE5.5	DIATOM_C	SAV2	BP	204955992	10558237	88	179490026	0.0007	Improving	0.2431
LE5.5	DINOFL_C	SAV2	AP	23817149	665628	48	11315684	0.3583	No trend	0.2559
LE5.5	DINOFL_C	SAV2	BP	17150080	1479956	147	25159251	0.0001	Degrading	0.8087
LE5.5	DINOFLG	SAV2	AP	97171	55	1	940	0.9764	No trend	0.2337
LE5.5	DINOFLG	SAV2	BP	42169	8028	324	136469	<0.0001	Degrading	0.6219
LE5.5	EVENNESS	SAV2	AP	0.44	0.01	38.64	0.17	<0.0001	Improving	0.9495
LE5.5	EVENNESS	SAV2	BP	0.51	0.01	33.33	0.17	<0.0001	Improving	0.6878
LE5.5	MARGALEF	SAV2	AP	2.65	0.00	0.00	0.00	0.7897	No trend	0.5518
LE5.5	MARGALEF	SAV2	BP	2.40	0.01	7.08	0.17	0.1465	No trend	0.8841
LE5.5	N_GENERA	SAV2	AP	31.50	0.15	8.10	2.55	0.2171	No trend	0.7009
LE5.5	N_GENERA	SAV2	BP	31.50	0.25	13.49	4.25	0.0376	Improving	0.3180
LE5.5	N_SP	SAV2	AP	42.50	0.00	0.00	0.00	0.9763	No trend	0.7908
LE5.5	N_SP	SAV2	BP	38.50	0.40	17.66	6.80	0.0126	Improving	0.6267
LE5.5	PROCAR_C	SAV2	AP	0.00	0.00		0.00	0.0029	No change	0.9901
LE5.5	PROCAR_C	SAV2	BP	0.00	0.00		0.00	0.0010	No change	0.9641
LE5.5	PROCARY	SAV2	AP	0.00	0.00		0.00	<0.0001	No change	0.9999
LE5.5	PROCARY	SAV2	BP	0.00	0.00		0.00	<0.0001	No change	0.9611
LE5.5	RATIO	SAV2	AP	51.55	1.02	33.64	17.34	0.0804	No trend	0.1270
LE5.5	RATIO	SAV2	BP	55.37	0.91	27.94	15.47	0.1096	No trend	0.0312
LE5.5	SHANNON	SAV2	AP	2.36	0.04	28.81	0.68	<0.0001	Improving	0.9535
LE5.5	SHANNON	SAV2	BP	2.65	0.05	32.08	0.85	<0.0001	Improving	0.4844
LE5.5	TOTABUND	SAV2	AP	4872912	51698	18	878869	0.3430	No trend	0.4459
LE5.5	TOTABUND	SAV2	BP	4214005	194605	79	3308278	0.0030	Increasing	0.6846
LE5.5	TOTBMASS	SAV2	AP	211086270	8132609	65	138254357	0.0439	Increasing	0.1352
LE5.5	TOTBMASS	SAV2	BP	254064313	14942305	100	254019188	0.0001	Increasing	0.5063
LE5.5	CHLORO	Spring1	AP	25402	5515	347	88237	0.0123	Improving	0.4075
LE5.5	CHLORO	Spring1	BP	33824	4477	212	71627	0.0714	No trend	0.3292
LE5.5	CHLORO_C	Spring1	AP	571534	140506	393	2248101	0.0283	Improving	0.2623
LE5.5	CHLORO_C	Spring1	BP	784378	152795	312	2444725	0.0254	Improving	0.1836
LE5.5	CRYPTO	Spring1	AP	889625	-1341	-2	-21452	0.9242	No trend	0.0165

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
LE5.5	CRYPTO	Spring1	BP	1078272	20086	30	321372	0.1829	No trend	0.6731
LE5.5	CRYPTO_C	Spring1	AP	21359896	-19992	-1	-319871	0.9242	No trend	0.0165
LE5.5	CRYPTO_C	Spring1	BP	25889299	482259	30	7716147	0.1829	No trend	0.6731
LE5.5	CYANO	Spring1	AP	3584	6046	2699	96736	0.0602	No trend	0.6091
LE5.5	CYANO	Spring1	BP	256	9355	58466	149673	0.0055	Degrading	0.5320
LE5.5	CYANO_C	Spring1	AP	79161	35678	721	570842	0.1339	No trend	0.9079
LE5.5	CYANO_C	Spring1	BP	7841	112179	22890	1794858	0.0128	Degrading	0.8007
LE5.5	DIATOM	Spring1	AP	3847543	-120579	-50	-1929263	0.0707	No trend	0.1756
LE5.5	DIATOM	Spring1	BP	7937543	-33427	-7	-534829	0.7753	No trend	0.8103
LE5.5	DIATOM_C	Spring1	AP	207463750	-9939652	-77	-159034429	0.1536	No trend	0.1296
LE5.5	DIATOM_C	Spring1	BP	438641368	-1034361	-4	-16549771	0.8865	No trend	0.4520
LE5.5	DINOFL_C	Spring1	AP	24951988	1219366	78	19509862	0.6686	No trend	0.2172
LE5.5	DINOFL_C	Spring1	BP	17150080	3667955	342	58687288	0.0043	Degrading	0.5392
LE5.5	DINOFLG	Spring1	AP	288154	78	0	1251	1.0000	No trend	0.2172
LE5.5	DINOFLG	Spring1	BP	75239	16551	352	264821	0.0004	Degrading	0.2644
LE5.5	EVENNESS	Spring1	AP	0.49	0.01	32.65	0.16	0.0023	Improving	0.7762
LE5.5	EVENNESS	Spring1	BP	0.52	0.01	30.77	0.16	0.0010	Improving	0.9536
LE5.5	MARGALEF	Spring1	AP	2.20	0.03	21.82	0.48	0.1058	No trend	0.9197
LE5.5	MARGALEF	Spring1	BP	2.85	0.00	0.00	0.00	0.9621	No trend	0.9323
LE5.5	N_GENERA	Spring1	AP	30.00	0.26	13.87	4.16	0.0811	No trend	0.6805
LE5.5	N_GENERA	Spring1	BP	37.50	0.04	1.71	0.64	0.7931	No trend	0.9593
LE5.5	N_SP	Spring1	AP	34.50	0.30	13.91	4.80	0.2729	No trend	0.9759
LE5.5	N_SP	Spring1	BP	45.50	0.00	0.00	0.00	1.0000	No trend	0.9781
LE5.5	PROCAR_C	Spring1	AP	0.00	0.00		0.00	0.0540	No trend	0.7586
LE5.5	PROCAR_C	Spring1	BP	0.00	0.00		0.00	0.0498	No change	0.9651
LE5.5	PROCARY	Spring1	AP	0.00	0.00		0.00	0.0062	No change	0.9182
LE5.5	PROCARY	Spring1	BP	0.00	0.00		0.00	0.0167	No change	0.8824
LE5.5	RATIO	Spring1	AP	43.14	0.67	24.85	10.72	0.4756	No trend	0.6093
LE5.5	RATIO	Spring1	BP	53.41	-0.86	-25.76	-13.76	0.4466	No trend	0.4892
LE5.5	SHANNON	Spring1	AP	2.58	0.05	31.01	0.80	0.0020	Improving	0.9843
LE5.5	SHANNON	Spring1	BP	2.87	0.04	22.30	0.64	0.0067	Improving	0.9155
LE5.5	TOTABUND	Spring1	AP	5260271	-179374	-55	-2869988	0.0868	No trend	0.0649
LE5.5	TOTABUND	Spring1	BP	9074184	48602	9	777634	0.5681	No trend	0.7026
LE5.5	TOTBMASS	Spring1	AP	256947587	-9128420	-57	-146054715	0.1165	No trend	0.0501
LE5.5	TOTBMASS	Spring1	BP	481929470	-1151934	-4	-18430950	0.9242	No trend	0.4389
LE5.5	CHLORO	Spring2	AP	4147	5038	1944	80610	0.0523	No trend	0.7433
LE5.5	CHLORO	Spring2	BP	16589	7679	741	122870	0.0027	Improving	0.6737
LE5.5	CHLORO_C	Spring2	AP	93308	99998	1715	1599974	0.1506	No trend	0.7159
LE5.5	CHLORO_C	Spring2	BP	373253	241262	1034	3860190	0.0007	Improving	0.6334
LE5.5	CRYPTO	Spring2	AP	898127	6816	12	109059	0.7392	No trend	0.0449
LE5.5	CRYPTO	Spring2	BP	881273	36922	67	590744	0.0089	Increasing	0.5957
LE5.5	CRYPTO_C	Spring2	AP	21564029	216435	16	3462954	0.6686	No trend	0.0533
LE5.5	CRYPTO_C	Spring2	BP	21159365	894109	68	14305743	0.0089	Increasing	0.5957
LE5.5	CYANO	Spring2	AP	3584	4668	2084	74689	0.0194	Degrading	0.6482
LE5.5	CYANO	Spring2	BP	8295	8931	1723	142890	0.0059	Degrading	0.5241
LE5.5	CYANO_C	Spring2	AP	79161	18060	365	288952	0.0958	No trend	0.8725
LE5.5	CYANO_C	Spring2	BP	254061	70072	441	1121159	0.0090	Degrading	0.8007
LE5.5	DIATOM	Spring2	AP	3847543	-24967	-10	-399471	0.7392	No trend	0.6204
LE5.5	DIATOM	Spring2	BP	4649731	90916	31	1454651	0.3919	No trend	0.4970
LE5.5	DIATOM_C	Spring2	AP	165781620	2539120	25	40625920	0.3919	No trend	0.4772
LE5.5	DIATOM_C	Spring2	BP	273662526	8609284	50	137748539	0.1403	No trend	0.2638
LE5.5	DINOFL_C	Spring2	AP	23817149	1290617	87	20649877	0.4187	No trend	0.1879
LE5.5	DINOFL_C	Spring2	BP	16799949	3452693	329	55243083	0.0017	Degrading	0.4772
LE5.5	DINOFLG	Spring2	AP	187269	2341	20	37454	0.6686	No trend	0.1808
LE5.5	DINOFLG	Spring2	BP	75239	18317	390	293075	<0.0001	Degrading	0.3063
LE5.5	EVENNESS	Spring2	AP	0.49	0.01	32.65	0.16	0.0004	Improving	0.6776
LE5.5	EVENNESS	Spring2	BP	0.52	0.01	30.77	0.16	0.0001	Improving	0.9073
LE5.5	MARGALEF	Spring2	AP	2.45	0.01	6.53	0.16	0.5055	No trend	0.6120
LE5.5	MARGALEF	Spring2	BP	2.77	0.00	0.00	0.00	1.0000	No trend	0.9155
LE5.5	N_GENERA	Spring2	AP	30.50	0.17	8.92	2.72	0.2716	No trend	0.4629

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
LE5.5	N_GENERA	Spring2	BP	37.50	0.09	3.84	1.44	0.5348	No trend	0.7739
LE5.5	N_SP	Spring2	AP	39.00	0.11	4.51	1.76	0.5997	No trend	0.5886
LE5.5	N_SP	Spring2	BP	45.00	0.16	5.69	2.56	0.5200	No trend	0.7423
LE5.5	PROCAR_C	Spring2	AP	0.00	0.00		0.00	0.1056	No trend	0.8786
LE5.5	PROCAR_C	Spring2	BP	0.00	0.00		0.00	0.0523	No trend	0.9670
LE5.5	PROCARY	Spring2	AP	0.00	0.00		0.00	0.0058	No change	0.9279
LE5.5	PROCARY	Spring2	BP	0.00	0.00		0.00	0.0136	No change	0.8888
LE5.5	RATIO	Spring2	AP	43.14	1.71	63.42	27.36	0.0457	Improving	0.1406
LE5.5	RATIO	Spring2	BP	53.41	0.81	24.27	12.96	0.3661	No trend	0.0021
LE5.5	SHANNON	Spring2	AP	2.58	0.05	31.01	0.80	0.0006	Improving	0.8269
LE5.5	SHANNON	Spring2	BP	2.87	0.05	27.87	0.80	0.0002	Improving	0.2927
LE5.5	TOTABUND	Spring2	AP	5260271	-10239	-3	-163827	0.8491	No trend	0.3964
LE5.5	TOTABUND	Spring2	BP	6150965	191670	50	3066714	0.0784	No trend	0.6640
LE5.5	TOTBMASS	Spring2	AP	222263682	7408656	53	118538489	0.1991	No trend	0.2556
LE5.5	TOTBMASS	Spring2	BP	325482215	15209598	75	243353560	0.0960	No trend	0.3414
LE5.5	CHLORO	Summer1	AP	0	1636		27805	0.0084	Improving	0.8819
LE5.5	CHLORO	Summer1	BP	128	4429	58820	75290	0.0005	Improving	0.8499
LE5.5	CHLORO_C	Summer1	AP	0	45510		773677	0.0094	Improving	0.9912
LE5.5	CHLORO_C	Summer1	BP	6232	103952	28355	1767177	0.0005	Improving	0.8908
LE5.5	CRYPTO	Summer1	AP	1293667	-47600	-63	-809202	0.0005	Decreasing	0.7490
LE5.5	CRYPTO	Summer1	BP	407480	21255	89	361334	0.0021	Increasing	0.8335
LE5.5	CRYPTO_C	Summer1	AP	31060945	-1143340	-63	-19436783	0.0007	Decreasing	0.6816
LE5.5	CRYPTO_C	Summer1	BP	9783595	510331	89	8675619	0.0031	Increasing	0.7743
LE5.5	CYANO	Summer1	AP	16588	3891	399	66147	0.0014	Degrading	0.9992
LE5.5	CYANO	Summer1	BP	25402	3597	241	61156	0.0071	Degrading	0.8570
LE5.5	CYANO_C	Summer1	AP	29935	13909	790	236459	0.0016	Degrading	0.9134
LE5.5	CYANO_C	Summer1	BP	101565	22738	381	386538	0.0029	Degrading	0.7097
LE5.5	DIATOM	Summer1	AP	3760045	106798	48	1815572	0.0665	No trend	0.5011
LE5.5	DIATOM	Summer1	BP	3456593	174433	86	2965357	0.0215	Improving	0.3917
LE5.5	DIATOM_C	Summer1	AP	117515737	11900653	172	202311098	0.0008	Improving	0.3659
LE5.5	DIATOM_C	Summer1	BP	204955992	13360044	111	227120746	0.0028	Improving	0.2524
LE5.5	DINOFL_C	Summer1	AP	45543289	1207512	45	20527710	0.2237	No trend	0.2960
LE5.5	DINOFL_C	Summer1	BP	18356736	1832388	170	31150594	0.0031	Degrading	0.6244
LE5.5	DINOFLG	Summer1	AP	97171	-896	-16	-15226	0.7426	No trend	0.2209
LE5.5	DINOFLG	Summer1	BP	42169	6985	282	118739	0.0001	Degrading	0.6522
LE5.5	EVENNESS	Summer1	AP	0.42	0.01	40.48	0.17	0.0002	Improving	0.7821
LE5.5	EVENNESS	Summer1	BP	0.51	0.01	33.33	0.17	0.0013	Improving	0.2968
LE5.5	MARGALEF	Summer1	AP	2.65	0.00	0.00	0.00	0.6569	No trend	0.8159
LE5.5	MARGALEF	Summer1	BP	2.40	0.02	14.17	0.34	0.1369	No trend	0.7992
LE5.5	N_GENERA	Summer1	AP	31.50	0.20	10.79	3.40	0.2612	No trend	0.8797
LE5.5	N_GENERA	Summer1	BP	31.50	0.29	15.65	4.93	0.0332	Improving	0.1305
LE5.5	N_SP	Summer1	AP	42.50	0.00	0.00	0.00	0.9690	No trend	0.8719
LE5.5	N_SP	Summer1	BP	38.50	0.53	23.40	9.01	0.0075	Improving	0.5331
LE5.5	PROCAR_C	Summer1	AP	0.00	0.00		0.00	0.0135	No change	0.9291
LE5.5	PROCAR_C	Summer1	BP	0.00	0.00		0.00	0.0203	No change	0.8270
LE5.5	PROCARY	Summer1	AP	0.00	0.00		0.00	0.0014	No change	0.9937
LE5.5	PROCARY	Summer1	BP	0.00	0.00		0.00	0.0022	No change	0.8239
LE5.5	RATIO	Summer1	AP	48.44	1.67	58.61	28.39	0.0127	Improving	0.2922
LE5.5	RATIO	Summer1	BP	61.54	1.83	50.55	31.11	0.0065	Improving	0.0861
LE5.5	SHANNON	Summer1	AP	2.26	0.05	37.61	0.85	0.0001	Improving	0.6808
LE5.5	SHANNON	Summer1	BP	2.65	0.05	32.08	0.85	<0.0001	Improving	0.1823
LE5.5	TOTABUND	Summer1	AP	5767192	49669	15	844373	0.5754	No trend	0.6752
LE5.5	TOTABUND	Summer1	BP	4214005	263606	106	4481298	0.0021	Increasing	0.5422
LE5.5	TOTBMASS	Summer1	AP	211086270	16232906	131	275959395	0.0035	Increasing	0.2118
LE5.5	TOTBMASS	Summer1	BP	254064313	18845653	126	320376104	0.0002	Increasing	0.5741
LE5.5	CHLORO	Summer2	AP	0	240		4073	0.0258	Improving	0.7231
LE5.5	CHLORO	Summer2	BP	7918	3058	657	51982	0.0042	Improving	0.7181
LE5.5	CHLORO_C	Summer2	AP	0	38509		654650	0.0205	Improving	0.9587
LE5.5	CHLORO_C	Summer2	BP	178144	81424	777	1384212	0.0040	Improving	0.7624
LE5.5	CRYPTO	Summer2	AP	1385551	-56528	-69	-960980	0.0006	Decreasing	0.8402

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
LE5.5	CRYPTO	Summer2	BP	352859	14539	70	247169	0.0243	Increasing	0.9478
LE5.5	CRYPTO_C	Summer2	AP	33267068	-1357243	-69	-23073126	0.0006	Decreasing	0.8402
LE5.5	CRYPTO_C	Summer2	BP	8472145	349090	70	5934537	0.0339	Increasing	0.8899
LE5.5	CYANO	Summer2	AP	18272	4440	413	75480	0.0051	Degrading	0.9924
LE5.5	CYANO	Summer2	BP	17066	2502	249	42540	0.0151	Degrading	0.6964
LE5.5	CYANO_C	Summer2	AP	37860	20864	937	354688	0.0033	Degrading	0.8443
LE5.5	CYANO_C	Summer2	BP	83960	18842	381	320307	0.0111	Degrading	0.5031
LE5.5	DIATOM	Summer2	AP	3447307	145439	72	2472459	0.0466	Improving	0.4418
LE5.5	DIATOM	Summer2	BP	3097110	149727	82	2545363	0.0630	No trend	0.2323
LE5.5	DIATOM_C	Summer2	AP	161207862	11377118	120	193410999	0.0027	Improving	0.2095
LE5.5	DIATOM_C	Summer2	BP	216854123	13776390	108	234198632	0.0193	Improving	0.1502
LE5.5	DINOFL_C	Summer2	AP	49279262	878245	30	14930168	0.3699	No trend	0.1666
LE5.5	DINOFL_C	Summer2	BP	22862237	1195138	89	20317339	0.0304	Degrading	0.5932
LE5.5	DINOFLG	Summer2	AP	89261	-1683	-32	-28603	0.4440	No trend	0.1868
LE5.5	DINOFLG	Summer2	BP	40138	4493	190	76386	0.0036	Degrading	0.6234
LE5.5	EVENNESS	Summer2	AP	0.43	0.01	39.53	0.17	0.0042	Improving	0.7491
LE5.5	EVENNESS	Summer2	BP	0.48	0.01	35.42	0.17	0.0217	Improving	0.2781
LE5.5	MARGALEF	Summer2	AP	2.37	0.01	7.17	0.17	0.4705	No trend	0.8087
LE5.5	MARGALEF	Summer2	BP	2.40	0.02	14.17	0.34	0.1205	No trend	0.7073
LE5.5	N_GENERA	Summer2	AP	28.75	0.25	14.78	4.25	0.1882	No trend	0.9321
LE5.5	N_GENERA	Summer2	BP	32.00	0.29	15.41	4.93	0.0539	No trend	0.0605
LE5.5	N_SP	Summer2	AP	38.25	0.00	0.00	0.00	0.8089	No trend	0.8349
LE5.5	N_SP	Summer2	BP	38.75	0.65	28.52	11.05	0.0124	Improving	0.3604
LE5.5	PROCAR_C	Summer2	AP	0.00	0.00		0.00	0.0242	No change	0.8214
LE5.5	PROCAR_C	Summer2	BP	0.00	0.00		0.00	0.0445	No change	0.6397
LE5.5	PROCARY	Summer2	AP	0.01	0.00	0.00	0.00	0.0038	No change	0.9948
LE5.5	PROCARY	Summer2	BP	0.00	0.00		0.00	0.0066	No change	0.6419
LE5.5	RATIO	Summer2	AP	49.99	1.03	35.03	17.51	0.1429	No trend	0.4626
LE5.5	RATIO	Summer2	BP	66.28	1.05	26.93	17.85	0.1970	No trend	0.4984
LE5.5	SHANNON	Summer2	AP	2.26	0.04	30.09	0.68	0.0020	Improving	0.5633
LE5.5	SHANNON	Summer2	BP	2.56	0.05	33.20	0.85	0.0042	Improving	0.2682
LE5.5	TOTABUND	Summer2	AP	5763937	55507	16	943612	0.5549	No trend	0.4770
LE5.5	TOTABUND	Summer2	BP	3862357	242713	107	4126121	0.0105	Increasing	0.3499
LE5.5	TOTBMASS	Summer2	AP	265463666	12521468	80	212864961	0.0272	Increasing	0.1324
LE5.5	TOTBMASS	Summer2	BP	258844395	15290462	100	259937859	0.0018	Increasing	0.3784
LE5.5	CHLORO	Winter	AP	256	23	142	363	0.6904	No trend	0.2370
LE5.5	CHLORO	Winter	BP	24884	1440	93	23042	0.0164	Improving	0.7727
LE5.5	CHLORO_C	Winter	AP	5619	140489	40003	2247828	0.0234	Improving	0.4756
LE5.5	CHLORO_C	Winter	BP	559879	25981	74	415691	0.0164	Improving	0.7727
LE5.5	CRYPTO	Winter	AP	346804	22043	102	352692	0.0595	No trend	0.7318
LE5.5	CRYPTO	Winter	BP	1277340	8544	11	136709	0.3619	No trend	0.6402
LE5.5	CRYPTO_C	Winter	AP	8326752	529258	102	8468132	0.0595	No trend	0.7318
LE5.5	CRYPTO_C	Winter	BP	30668933	205149	11	3282376	0.3619	No trend	0.6402
LE5.5	CYANO	Winter	AP	32	7912	395600	126592	0.0280	Degrading	0.7815
LE5.5	CYANO	Winter	BP	0	4161		66578	0.0013	Degrading	0.8129
LE5.5	CYANO_C	Winter	AP	232	51273	353117	820360	0.0671	No trend	0.8650
LE5.5	CYANO_C	Winter	BP	0	24453		391251	0.0019	Degrading	0.9160
LE5.5	DIATOM	Winter	AP	11399944	-117681	-17	-1882893	0.5433	No trend	0.1192
LE5.5	DIATOM	Winter	BP	13694388	-186202	-22	-2979228	0.1621	No trend	0.5412
LE5.5	DIATOM_C	Winter	AP	265431410	-252016	-2	-4032248	0.9515	No trend	0.5042
LE5.5	DIATOM_C	Winter	BP	532622327	-6973074	-21	-111569178	0.6705	No trend	0.3705
LE5.5	DINOFL_C	Winter	AP	54004759	1501010	44	24016160	0.2241	No trend	0.2029
LE5.5	DINOFL_C	Winter	BP	116100352	1972420	27	31558714	0.2481	No trend	0.9924
LE5.5	DINOFLG	Winter	AP	257869	572	4	9149	0.9032	No trend	0.3267
LE5.5	DINOFLG	Winter	BP	297050	6012	32	96199	0.2481	No trend	0.3987
LE5.5	EVENNESS	Winter	AP	0.21	0.01	76.19	0.16	0.0518	No trend	0.7410
LE5.5	EVENNESS	Winter	BP	0.37	0.01	43.24	0.16	0.0090	Improving	0.3026
LE5.5	MARGALEF	Winter	AP	2.01	0.00	0.00	0.00	0.9515	No trend	0.8528
LE5.5	MARGALEF	Winter	BP	2.57	0.02	12.45	0.32	0.3619	No trend	0.2815
LE5.5	N_GENERA	Winter	AP	28.00	-0.07	-4.00	-1.12	0.5605	No trend	0.1416

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
LE5.5	N_GENERA	Winter	BP	33.50	0.15	7.16	2.40	0.3116	No trend	0.8395
LE5.5	N_SP	Winter	AP	33.50	-0.07	-3.34	-1.12	0.6689	No trend	0.8396
LE5.5	N_SP	Winter	BP	43.50	0.14	5.15	2.24	0.5008	No trend	0.5174
LE5.5	PROCAR_C	Winter	AP	0.00	0.00		0.00	0.1604	No trend	0.3896
LE5.5	PROCAR_C	Winter	BP	0.00	0.00		0.00	0.0033	No change	0.8945
LE5.5	PROCARY	Winter	AP	0.00	0.00		0.00	0.0508	No trend	0.8690
LE5.5	PROCARY	Winter	BP	0.00	0.00		0.00	0.0007	No change	0.8267
LE5.5	RATIO	Winter	AP	28.79	3.05	169.50	48.80	0.0888	No trend	0.9396
LE5.5	RATIO	Winter	BP	49.43	2.34	75.74	37.44	0.3015	No trend	0.4736
LE5.5	SHANNON	Winter	AP	1.08	0.05	74.07	0.80	0.1140	No trend	0.7533
LE5.5	SHANNON	Winter	BP	2.02	0.06	47.52	0.96	0.0062	Improving	0.3001
LE5.5	TOTABUND	Winter	AP	12005032	-132371	-18	-2117940	0.3308	No trend	0.5712
LE5.5	TOTABUND	Winter	BP	15874180	-187003	-19	-2992049	0.2018	No trend	0.7176
LE5.5	TOTBMASS	Winter	AP	327801302	-27991	-0	-447853	0.9515	No trend	0.6715
LE5.5	TOTBMASS	Winter	BP	694252165	-8750847	-20	-140013547	0.5843	No trend	0.2568
SBE5	CHLORO	Annual	AP	7793	201	34	2615	0.2868	No trend	0.8522
SBE5	CHLORO	Annual	BP	1152	4704	5308	61152	0.0001	Improving	0.9947
SBE5	CHLORO_C	Annual	AP	204760	47701	303	620118	0.0201	Improving	0.3927
SBE5	CHLORO_C	Annual	BP	32991	113078	4456	1470018	0.0033	Improving	0.9135
SBE5	CRYPTO	Annual	AP	615244	14259	30	185370	0.0860	No trend	0.3309
SBE5	CRYPTO	Annual	BP	284362	15911	73	206846	0.0355	Increasing	0.8337
SBE5	CRYPTO_C	Annual	AP	14772008	363451	32	4724868	0.0749	No trend	0.3168
SBE5	CRYPTO_C	Annual	BP	6827532	399952	76	5199372	0.0279	Increasing	0.8597
SBE5	CYANO	Annual	AP	7793	19747	3294	256706	<0.0001	Degrading	0.8893
SBE5	CYANO	Annual	BP	1024	19419	24652	252441	<0.0001	Degrading	0.8714
SBE5	CYANO_C	Annual	AP	147860	130927	1151	1702049	<0.0001	Degrading	0.9289
SBE5	CYANO_C	Annual	BP	10728	109450	13263	1422848	<0.0001	Degrading	0.8857
SBE5	DIATOM	Annual	AP	1482651	64438	56	837691	0.0200	Improving	0.0179
SBE5	DIATOM	Annual	BP	1921622	41200	28	535598	0.1356	No trend	0.4975
SBE5	DIATOM_C	Annual	AP	46120943	4520363	127	58764714	0.0004	Improving	0.0125
SBE5	DIATOM_C	Annual	BP	61932976	3359608	71	43674902	0.0449	Improving	0.1310
SBE5	DINOFL_C	Annual	AP	9757253	-21235	-3	-276049	0.7850	No trend	0.7940
SBE5	DINOFL_C	Annual	BP	10199185	-69111	-9	-898444	0.4902	No trend	0.0999
SBE5	DINOFLG	Annual	AP	88347	-43	-1	-555	0.9616	No trend	0.8138
SBE5	DINOFLG	Annual	BP	41639	-666	-21	-8658	0.3949	No trend	0.3613
SBE5	EVENNESS	Annual	AP	0.57	0.00	0.00	0.00	0.5314	No trend	0.5731
SBE5	EVENNESS	Annual	BP	0.53	0.00	0.00	0.00	0.0860	No trend	0.1126
SBE5	MARGALEF	Annual	AP	2.38	0.00	0.00	0.00	0.8098	No trend	0.0286
SBE5	MARGALEF	Annual	BP	2.28	-0.01	-5.70	-0.13	0.2545	No trend	0.0541
SBE5	N_GENERA	Annual	AP	32.00	0.00	0.00	0.00	0.4275	No trend	0.0219
SBE5	N_GENERA	Annual	BP	32.00	0.00	0.00	0.00	0.8843	No trend	0.0338
SBE5	N_SP	Annual	AP	34.00	0.00	0.00	0.00	0.9229	No trend	0.0455
SBE5	N_SP	Annual	BP	35.00	0.00	0.00	0.00	0.5723	No trend	0.0150
SBE5	PROCAR_C	Annual	AP	0.00	0.00		0.00	<0.0001	No change	0.9698
SBE5	PROCAR_C	Annual	BP	0.00	0.00		0.00	<0.0001	No change	0.8197
SBE5	PROCARY	Annual	AP	0.00	0.00		0.00	<0.0001	No change	0.8490
SBE5	PROCARY	Annual	BP	0.00	0.00		0.00	<0.0001	No change	0.4434
SBE5	RATIO	Annual	AP	31.26	0.52	21.63	6.76	0.1725	No trend	0.0243
SBE5	RATIO	Annual	BP	37.87	-0.37	-12.70	-4.81	0.2287	No trend	0.6785
SBE5	SHANNON	Annual	AP	2.91	0.01	4.47	0.13	0.5527	No trend	0.7726
SBE5	SHANNON	Annual	BP	2.62	0.01	4.96	0.13	0.2166	No trend	0.1485
SBE5	TOTABUND	Annual	AP	2747945	135067	64	1755865	0.0033	Increasing	0.1126
SBE5	TOTABUND	Annual	BP	3136272	130199	54	1692586	0.0129	Increasing	0.8084
SBE5	TOTBMASS	Annual	AP	92297985	5573228	78	72451958	0.0067	Increasing	0.0063
SBE5	TOTBMASS	Annual	BP	118190613	4299133	47	55888729	0.0860	No trend	0.2872
SBE5	CHLORO	Fall	AP	4665	643	179	8362	0.5033	No trend	0.7155
SBE5	CHLORO	Fall	BP	128	1480	15031	19240	0.0845	No trend	0.8145
SBE5	CHLORO_C	Fall	AP	101126	33650	433	437456	0.1705	No trend	0.4360
SBE5	CHLORO_C	Fall	BP	3530	50951	18763	662366	0.0553	No trend	0.9123
SBE5	CRYPTO	Fall	AP	397440	31880	104	414434	0.0292	Increasing	0.7774

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
SBE5	CRYPTO	Fall	BP	239832	15270	83	198510	0.2177	No trend	0.5361
SBE5	CRYPTO_C	Fall	AP	9542534	765427	104	9950548	0.0292	Increasing	0.7774
SBE5	CRYPTO_C	Fall	BP	5758366	366633	83	4766225	0.2177	No trend	0.5361
SBE5	CYANO	Fall	AP	3523	11696	4316	152044	0.0054	Degrading	0.5326
SBE5	CYANO	Fall	BP	160	9740	79140	126624	0.0057	Degrading	0.3749
SBE5	CYANO_C	Fall	AP	35618	77681	2835	1009847	0.0003	Degrading	0.6869
SBE5	CYANO_C	Fall	BP	2690	57632	27853	749219	0.0017	Degrading	0.5930
SBE5	DIATOM	Fall	AP	845921	74627	115	970145	0.0022	Improving	0.3004
SBE5	DIATOM	Fall	BP	1016570	17881	23	232451	0.5482	No trend	0.8941
SBE5	DIATOM_C	Fall	AP	19567494	5402604	359	70233856	<0.0001	Improving	0.1142
SBE5	DIATOM_C	Fall	BP	36278595	2590581	93	33677557	0.0821	No trend	0.2479
SBE5	DINOFL_C	Fall	AP	2799155	555	0	7213	0.9748	No trend	0.4202
SBE5	DINOFL_C	Fall	BP	6060535	758	0	9851	0.9748	No trend	0.6020
SBE5	DINOFLG	Fall	AP	62480	193	4	2507	0.7761	No trend	0.4479
SBE5	DINOFLG	Fall	BP	29781	-347	-15	-4515	0.5271	No trend	0.5453
SBE5	EVENNESS	Fall	AP	0.56	0.00	0.00	0.00	0.1549	No trend	0.4643
SBE5	EVENNESS	Fall	BP	0.53	0.01	24.53	0.13	0.1070	No trend	0.8557
SBE5	MARGALEF	Fall	AP	2.01	-0.01	-6.47	-0.13	0.8744	No trend	0.4515
SBE5	MARGALEF	Fall	BP	2.20	0.01	5.91	0.13	0.7761	No trend	0.1636
SBE5	N_GENERA	Fall	AP	28.00	0.14	6.50	1.82	0.4450	No trend	0.3916
SBE5	N_GENERA	Fall	BP	29.50	0.22	9.69	2.86	0.4647	No trend	0.3729
SBE5	N_SP	Fall	AP	29.50	0.00	0.00	0.00	0.7989	No trend	0.3393
SBE5	N_SP	Fall	BP	31.50	0.20	8.25	2.60	0.5464	No trend	0.3570
SBE5	PROCAR_C	Fall	AP	0.00	0.00		0.00	0.0012	No change	0.7144
SBE5	PROCAR_C	Fall	BP	0.00	0.00		0.00	0.0047	No change	0.4428
SBE5	PROCARY	Fall	AP	0.00	0.00		0.00	0.0164	No change	0.4562
SBE5	PROCARY	Fall	BP	0.00	0.00		0.00	0.0038	No change	0.1761
SBE5	RATIO	Fall	AP	26.38	0.94	46.32	12.22	0.2177	No trend	0.1115
SBE5	RATIO	Fall	BP	33.77	-0.33	-12.70	-4.29	0.7761	No trend	0.7774
SBE5	SHANNON	Fall	AP	2.72	0.03	14.34	0.39	0.2177	No trend	0.5972
SBE5	SHANNON	Fall	BP	2.57	0.04	20.23	0.52	0.0939	No trend	0.8835
SBE5	TOTABUND	Fall	AP	1844323	173336	122	2253364	0.0007	Increasing	0.4303
SBE5	TOTABUND	Fall	BP	2065206	53494	34	695416	0.3272	No trend	0.8835
SBE5	TOTBMASS	Fall	AP	44339310	6628555	194	86171219	0.0005	Increasing	0.1541
SBE5	TOTBMASS	Fall	BP	72609981	2738113	49	35595473	0.2177	No trend	0.3359
SBE5	CHLORO	SAV1	AP	10716	1383	168	17974	0.2616	No trend	0.8131
SBE5	CHLORO	SAV1	BP	4981	2742	716	35652	0.0433	Improving	0.9792
SBE5	CHLORO_C	SAV1	AP	554950	104170	244	1354210	0.0593	No trend	0.6156
SBE5	CHLORO_C	SAV1	BP	222472	75050	439	975652	0.1161	No trend	0.7922
SBE5	CRYPTO	SAV1	AP	572582	34887	79	453529	0.0049	Increasing	0.7337
SBE5	CRYPTO	SAV1	BP	306982	23808	101	309510	0.0285	Increasing	0.8037
SBE5	CRYPTO_C	SAV1	AP	13747694	869530	82	11303889	0.0037	Increasing	0.7496
SBE5	CRYPTO_C	SAV1	BP	7370626	598481	106	7780253	0.0226	Increasing	0.8303
SBE5	CYANO	SAV1	AP	7068	17461	3212	226989	0.0005	Degrading	0.3946
SBE5	CYANO	SAV1	BP	2585	16488	8293	214339	<0.0001	Degrading	0.7026
SBE5	CYANO_C	SAV1	AP	60699	117687	2521	1529933	<0.0001	Degrading	0.6250
SBE5	CYANO_C	SAV1	BP	17126	78242	5939	1017144	0.0001	Degrading	0.8581
SBE5	DIATOM	SAV1	AP	1168038	15707	17	204193	0.6229	No trend	0.0240
SBE5	DIATOM	SAV1	BP	1572527	-8102	-7	-105325	0.7885	No trend	0.7162
SBE5	DIATOM_C	SAV1	AP	32011949	2339762	95	30416908	0.0443	Improving	0.0018
SBE5	DIATOM_C	SAV1	BP	41241955	1045357	33	13589642	0.4745	No trend	0.0914
SBE5	DINOFL_C	SAV1	AP	5754522	-49003	-11	-637043	0.5612	No trend	0.5850
SBE5	DINOFL_C	SAV1	BP	10332009	-183018	-23	-2379232	0.0813	No trend	0.4058
SBE5	DINOFLG	SAV1	AP	62480	-420	-9	-5458	0.7885	No trend	0.6315
SBE5	DINOFLG	SAV1	BP	35739	-1377	-50	-17899	0.1027	No trend	0.5746
SBE5	EVENNESS	SAV1	AP	0.55	0.00	0.00	0.00	0.5025	No trend	0.9620
SBE5	EVENNESS	SAV1	BP	0.52	0.01	25.00	0.13	0.0201	Improving	0.5102
SBE5	MARGALEF	SAV1	AP	2.01	0.00	0.00	0.00	0.7206	No trend	0.0198
SBE5	MARGALEF	SAV1	BP	2.22	-0.02	-11.71	-0.26	0.0894	No trend	0.0302
SBE5	N_GENERA	SAV1	AP	28.00	0.09	4.18	1.17	0.3421	No trend	0.0267

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
SBE5	N_GENERA	SAV1	BP	30.00	-0.13	-5.63	-1.69	0.4171	No trend	0.0122
SBE5	N_SP	SAV1	AP	30.00	0.00	0.00	0.00	0.9820	No trend	0.0363
SBE5	N_SP	SAV1	BP	33.00	-0.25	-9.85	-3.25	0.1848	No trend	0.0144
SBE5	PROCAR_C	SAV1	AP	0.00	0.00		0.00	<0.0001	No change	0.9210
SBE5	PROCAR_C	SAV1	BP	0.00	0.00		0.00	0.0003	No change	0.6449
SBE5	PROCARY	SAV1	AP	0.01	0.01	1300.00	0.13	0.0002	Degrading	0.5605
SBE5	PROCARY	SAV1	BP	0.00	0.01		0.13	<0.0001	Degrading	0.5018
SBE5	RATIO	SAV1	AP	29.23	0.32	14.23	4.16	0.4745	No trend	0.0046
SBE5	RATIO	SAV1	BP	33.88	-0.42	-16.12	-5.46	0.2275	No trend	0.7739
SBE5	SHANNON	SAV1	AP	2.68	0.02	9.70	0.26	0.3254	No trend	0.7174
SBE5	SHANNON	SAV1	BP	2.57	0.02	10.12	0.26	0.1799	No trend	0.6903
SBE5	TOTABUND	SAV1	AP	2178641	75816	45	985602	0.0894	No trend	0.0511
SBE5	TOTABUND	SAV1	BP	2539303	58637	30	762282	0.1949	No trend	0.7642
SBE5	TOTBMASS	SAV1	AP	80041848	2615279	42	33998626	0.2107	No trend	0.0050
SBE5	TOTBMASS	SAV1	BP	83617384	1578920	25	20525966	0.5315	No trend	0.2579
SBE5	CHLORO	SAV2	AP	4729	0	0	0	0.8512	No trend	0.7879
SBE5	CHLORO	SAV2	BP	4981	5841	1525	75939	0.0082	Improving	0.9186
SBE5	CHLORO_C	SAV2	AP	100360	21107	273	274393	0.3070	No trend	0.2819
SBE5	CHLORO_C	SAV2	BP	143437	140977	1278	1832698	0.0394	Improving	0.7839
SBE5	CRYPTO	SAV2	AP	641542	19793	40	257304	0.1111	No trend	0.6405
SBE5	CRYPTO	SAV2	BP	307628	16484	70	214292	0.1924	No trend	0.5610
SBE5	CRYPTO_C	SAV2	AP	15403423	498805	42	6484462	0.0937	No trend	0.6221
SBE5	CRYPTO_C	SAV2	BP	7386136	436639	77	5676307	0.1534	No trend	0.5992
SBE5	CYANO	SAV2	AP	30633	28416	1206	369408	0.0003	Degrading	0.5378
SBE5	CYANO	SAV2	BP	1728	24848	18694	323024	<0.0001	Degrading	0.7542
SBE5	CYANO_C	SAV2	AP	505592	180667	465	2348675	<0.0001	Degrading	0.6700
SBE5	CYANO_C	SAV2	BP	9992	137883	17939	1792477	<0.0001	Degrading	0.7460
SBE5	DIATOM	SAV2	AP	1733491	114128	86	1483666	0.0194	Improving	0.0232
SBE5	DIATOM	SAV2	BP	1661517	75991	59	987881	0.0597	No trend	0.2992
SBE5	DIATOM_C	SAV2	AP	48376307	6167268	166	80174482	0.0007	Improving	0.0189
SBE5	DIATOM_C	SAV2	BP	48188089	6378741	172	82923627	0.0046	Improving	0.0930
SBE5	DINOFL_C	SAV2	AP	8659873	15055	2	195711	0.9176	No trend	0.4901
SBE5	DINOFL_C	SAV2	BP	4098752	39869	13	518301	0.5764	No trend	0.5583
SBE5	DINOFLG	SAV2	AP	85461	2433	37	31629	0.6050	No trend	0.5712
SBE5	DINOFLG	SAV2	BP	30949	592	25	7696	0.5762	No trend	0.8295
SBE5	EVENNESS	SAV2	AP	0.57	0.00	0.00	0.00	0.7563	No trend	0.4296
SBE5	EVENNESS	SAV2	BP	0.54	0.00	0.00	0.00	0.3736	No trend	0.0759
SBE5	MARGALEF	SAV2	AP	1.89	-0.01	-6.88	-0.13	0.4689	No trend	0.0149
SBE5	MARGALEF	SAV2	BP	1.82	0.01	7.14	0.13	0.5764	No trend	0.2790
SBE5	N_GENERA	SAV2	AP	26.50	0.00	0.00	0.00	0.5298	No trend	0.0091
SBE5	N_GENERA	SAV2	BP	26.50	0.17	8.34	2.21	0.1334	No trend	0.1651
SBE5	N_SP	SAV2	AP	29.50	0.00	0.00	0.00	0.9502	No trend	0.0172
SBE5	N_SP	SAV2	BP	29.00	0.17	7.62	2.21	0.2438	No trend	0.1991
SBE5	PROCAR_C	SAV2	AP	0.00	0.00		0.00	0.0001	No change	0.8726
SBE5	PROCAR_C	SAV2	BP	0.00	0.00		0.00	<0.0001	No change	0.8293
SBE5	PROCARY	SAV2	AP	0.02	0.01	650.00	0.13	0.0003	Degrading	0.6720
SBE5	PROCARY	SAV2	BP	0.00	0.01		0.13	<0.0001	Degrading	0.7536
SBE5	RATIO	SAV2	AP	27.20	0.33	15.77	4.29	0.3736	No trend	0.0091
SBE5	RATIO	SAV2	BP	29.90	-0.08	-3.48	-1.04	0.7250	No trend	0.3632
SBE5	SHANNON	SAV2	AP	2.90	0.00	0.00	0.00	0.7879	No trend	0.5708
SBE5	SHANNON	SAV2	BP	2.54	0.01	5.12	0.13	0.2913	No trend	0.1495
SBE5	TOTABUND	SAV2	AP	3025092	208058	89	2704752	0.0040	Increasing	0.0798
SBE5	TOTABUND	SAV2	BP	2971285	187226	82	2433938	0.0052	Increasing	0.7521
SBE5	TOTBMASS	SAV2	AP	92711003	8244587	116	107179635	0.0052	Increasing	0.0067
SBE5	TOTBMASS	SAV2	BP	77277564	9260485	156	120386310	0.0046	Increasing	0.4166
SBE5	CHLORO	Spring1	AP	18505	4986	350	64813	0.3267	No trend	0.4947
SBE5	CHLORO	Spring1	BP	21172	8506	522	110580	0.0713	No trend	0.9621
SBE5	CHLORO_C	Spring1	AP	1960565	171033	113	2223434	0.1211	No trend	0.4944
SBE5	CHLORO_C	Spring1	BP	1404507	40515	38	526698	0.5907	No trend	0.4953
SBE5	CRYPTO	Spring1	AP	458574	49048	139	637624	0.0210	Increasing	0.7381

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
SBE5	CRYPTO	Spring1	BP	458857	44408	126	577304	0.0622	No trend	0.6469
SBE5	CRYPTO_C	Spring1	AP	11010350	1204982	142	15664772	0.0149	Increasing	0.8124
SBE5	CRYPTO_C	Spring1	BP	11017145	1132198	134	14718568	0.0465	Increasing	0.7410
SBE5	CYANO	Spring1	AP	30633	29245	1241	380182	0.0030	Degrading	0.5831
SBE5	CYANO	Spring1	BP	6434	18294	3697	237822	0.0021	Degrading	0.6180
SBE5	CYANO_C	Spring1	AP	170077	138834	1061	1804843	0.0027	Degrading	0.2601
SBE5	CYANO_C	Spring1	BP	141655	117813	1081	1531570	0.0104	Degrading	0.6430
SBE5	DIATOM	Spring1	AP	1824247	-67601	-48	-878809	0.2177	No trend	0.5049
SBE5	DIATOM	Spring1	BP	1912656	-68044	-46	-884571	0.4294	No trend	0.4005
SBE5	DIATOM_C	Spring1	AP	68264014	-4316607	-82	-56115895	0.3594	No trend	0.3817
SBE5	DIATOM_C	Spring1	BP	93347320	-5558570	-77	-72261415	0.2422	No trend	0.3727
SBE5	DINOFL_C	Spring1	AP	14309551	-840074	-76	-10920965	0.1374	No trend	0.6093
SBE5	DINOFL_C	Spring1	BP	26201790	-1389441	-69	-18062733	0.0539	No trend	0.2829
SBE5	DINOFLG	Spring1	AP	76034	-3722	-64	-48385	0.3934	No trend	0.5972
SBE5	DINOFLG	Spring1	BP	84263	-4350	-67	-56548	0.1950	No trend	0.2253
SBE5	EVENNESS	Spring1	AP	0.56	0.00	0.00	0.00	0.9748	No trend	0.9494
SBE5	EVENNESS	Spring1	BP	0.54	0.00	0.00	0.00	0.1950	No trend	0.1928
SBE5	MARGALEF	Spring1	AP	2.78	-0.03	-14.03	-0.39	0.0716	No trend	0.0518
SBE5	MARGALEF	Spring1	BP	2.84	-0.06	-27.46	-0.78	0.0027	Degrading	0.4852
SBE5	N_GENERA	Spring1	AP	37.50	-0.20	-6.93	-2.60	0.2648	No trend	0.0849
SBE5	N_GENERA	Spring1	BP	36.50	-0.75	-26.71	-9.75	0.0068	Degrading	0.4058
SBE5	N_SP	Spring1	AP	41.50	-0.50	-15.66	-6.50	0.0805	No trend	0.0893
SBE5	N_SP	Spring1	BP	41.50	-1.00	-31.33	-13.00	0.0023	Degrading	0.3632
SBE5	PROCAR_C	Spring1	AP	0.00	0.00		0.00	0.0014	No change	0.6951
SBE5	PROCAR_C	Spring1	BP	0.00	0.00		0.00	0.0462	No change	0.5497
SBE5	PROCARY	Spring1	AP	0.02	0.01	650.00	0.13	0.0027	Degrading	0.4202
SBE5	PROCARY	Spring1	BP	0.00	0.01		0.13	0.0124	Degrading	0.6259
SBE5	RATIO	Spring1	AP	42.74	-2.27	-69.05	-29.51	0.0342	Degrading	0.4303
SBE5	RATIO	Spring1	BP	44.83	-1.62	-46.98	-21.06	0.0939	No trend	0.7293
SBE5	SHANNON	Spring1	AP	3.03	0.00	0.00	0.00	0.9245	No trend	0.8255
SBE5	SHANNON	Spring1	BP	2.88	0.00	0.00	0.00	0.9245	No trend	0.5625
SBE5	TOTABUND	Spring1	AP	2559356	34806	18	452476	0.8744	No trend	0.2601
SBE5	TOTABUND	Spring1	BP	3469005	38131	14	495697	0.6354	No trend	0.3359
SBE5	TOTBMASS	Spring1	AP	107602332	-8933450	-108	-116134853	0.1214	No trend	0.9494
SBE5	TOTBMASS	Spring1	BP	177173803	-5838953	-43	-75906385	0.3594	No trend	0.5213
SBE5	CHLORO	Spring2	AP	13313	5	1	69	0.8492	No trend	0.4041
SBE5	CHLORO	Spring2	BP	20396	8520	543	110764	0.0247	Improving	0.8241
SBE5	CHLORO_C	Spring2	AP	1335332	3099	3	40290	0.6572	No trend	0.2620
SBE5	CHLORO_C	Spring2	BP	1404507	40515	38	526698	0.5907	No trend	0.4953
SBE5	CRYPTO	Spring2	AP	568072	49048	112	637624	0.0622	No trend	0.5738
SBE5	CRYPTO	Spring2	BP	427700	25474	77	331162	0.2686	No trend	0.4005
SBE5	CRYPTO_C	Spring2	AP	13639397	1204982	115	15664772	0.0465	Increasing	0.5972
SBE5	CRYPTO_C	Spring2	BP	10269065	708722	90	9213391	0.2177	No trend	0.4168
SBE5	CYANO	Spring2	AP	30633	31175	1323	405276	0.0048	Degrading	0.6183
SBE5	CYANO	Spring2	BP	2585	21248	10688	276224	0.0003	Degrading	0.9534
SBE5	CYANO_C	Spring2	AP	361014	194133	699	2523725	0.0019	Degrading	0.2493
SBE5	CYANO_C	Spring2	BP	9992	122367	15920	1590772	0.0021	Degrading	0.9298
SBE5	DIATOM	Spring2	AP	1485133	169975	149	2209673	0.1950	No trend	0.0391
SBE5	DIATOM	Spring2	BP	1315732	47565	47	618342	0.5482	No trend	0.1071
SBE5	DIATOM_C	Spring2	AP	50992621	5710946	146	74242304	0.2177	No trend	0.0252
SBE5	DIATOM_C	Spring2	BP	56896562	1777808	41	23111498	0.7281	No trend	0.0547
SBE5	DINOFL_C	Spring2	AP	11063352	-242381	-28	-3150956	0.3272	No trend	0.2335
SBE5	DINOFL_C	Spring2	BP	13501707	-120439	-12	-1565712	0.6812	No trend	0.7381
SBE5	DINOFLG	Spring2	AP	67965	-930	-18	-12094	0.7761	No trend	0.2030
SBE5	DINOFLG	Spring2	BP	34898	591	22	7686	0.7043	No trend	0.7608
SBE5	EVENNESS	Spring2	AP	0.59	0.00	0.00	0.00	0.2686	No trend	0.4303
SBE5	EVENNESS	Spring2	BP	0.55	0.00	0.00	0.00	0.5069	No trend	0.0235
SBE5	MARGALEF	Spring2	AP	2.53	-0.05	-25.69	-0.65	0.0210	Degrading	0.1535
SBE5	MARGALEF	Spring2	BP	2.71	-0.03	-14.39	-0.39	0.1214	No trend	0.6392
SBE5	N_GENERA	Spring2	AP	32.50	-0.29	-11.60	-3.77	0.2256	No trend	0.1014

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
SBE5	N_GENERA	Spring2	BP	33.50	-0.25	-9.70	-3.25	0.2534	No trend	0.6811
SBE5	N_SP	Spring2	AP	37.00	-0.57	-20.03	-7.41	0.0991	No trend	0.0757
SBE5	N_SP	Spring2	BP	38.50	-0.38	-12.83	-4.94	0.2268	No trend	0.4818
SBE5	PROCAR_C	Spring2	AP	0.00	0.00		0.00	0.0191	No change	0.6089
SBE5	PROCAR_C	Spring2	BP	0.00	0.00		0.00	0.0147	No change	0.7811
SBE5	PROCARY	Spring2	AP	0.02	0.00	0.00	0.00	0.0267	No change	0.8244
SBE5	PROCARY	Spring2	BP	0.00	0.00		0.00	0.0039	No change	0.9097
SBE5	RATIO	Spring2	AP	36.84	-1.80	-63.52	-23.40	0.0210	Degrading	0.5877
SBE5	RATIO	Spring2	BP	39.86	-1.50	-48.92	-19.50	0.0465	Degrading	0.8557
SBE5	SHANNON	Spring2	AP	3.09	-0.03	-12.62	-0.39	0.2177	No trend	0.5361
SBE5	SHANNON	Spring2	BP	2.67	-0.03	-14.61	-0.39	0.2177	No trend	0.2643
SBE5	TOTABUND	Spring2	AP	2226239	315379	184	4099930	0.0178	Increasing	0.2262
SBE5	TOTABUND	Spring2	BP	2699915	207694	100	2700019	0.0716	No trend	0.2030
SBE5	TOTBMASS	Spring2	AP	92711003	7394598	104	96129772	0.3934	No trend	0.0086
SBE5	TOTBMASS	Spring2	BP	118840178	4583642	50	59587343	0.4294	No trend	0.1772
SBE5	CHLORO	Summer1	AP	864	0	0	0	0.8042	No trend	0.6808
SBE5	CHLORO	Summer1	BP	2149	6337	3834	82378	0.0295	Improving	0.6483
SBE5	CHLORO_C	Summer1	AP	19243	7222	488	93889	0.5629	No trend	0.1228
SBE5	CHLORO_C	Summer1	BP	48164	189633	5118	2465223	0.0649	No trend	0.6483
SBE5	CRYPTO	Summer1	AP	654145	867	2	11269	0.9563	No trend	0.9000
SBE5	CRYPTO	Summer1	BP	222354	6996	41	90953	0.6614	No trend	0.3757
SBE5	CRYPTO_C	Summer1	AP	15706009	20812	2	270558	0.9563	No trend	0.9000
SBE5	CRYPTO_C	Summer1	BP	5338708	192488	47	2502346	0.6222	No trend	0.4095
SBE5	CYANO	Summer1	AP	497792	25545	67	332083	0.0516	No trend	0.5573
SBE5	CYANO	Summer1	BP	288	50920	229846	661957	<0.0001	Degrading	0.7464
SBE5	CYANO_C	Summer1	AP	840429	222699	344	2895088	0.0004	Degrading	0.9226
SBE5	CYANO_C	Summer1	BP	2273	212444	121489	2761776	<0.0001	Degrading	0.6048
SBE5	DIATOM	Summer1	AP	2686359	136649	66	1776438	0.0627	No trend	0.0653
SBE5	DIATOM	Summer1	BP	2493621	223903	117	2910744	0.0138	Improving	0.5197
SBE5	DIATOM_C	Summer1	AP	58963285	9034420	199	117447461	0.0031	Improving	0.3238
SBE5	DIATOM_C	Summer1	BP	48188089	13488857	364	175355136	0.0015	Improving	0.8966
SBE5	DINOFL_C	Summer1	AP	7084736	631187	116	8205437	0.3520	No trend	0.9161
SBE5	DINOFL_C	Summer1	BP	3611979	211125	76	2744624	0.3811	No trend	0.3583
SBE5	DINOFLG	Summer1	AP	121524	4526	48	58833	0.3244	No trend	0.7822
SBE5	DINOFLG	Summer1	BP	29601	1489	65	19363	0.4271	No trend	0.4913
SBE5	EVENNESS	Summer1	AP	0.58	0.00	0.00	0.00	0.7843	No trend	0.1150
SBE5	EVENNESS	Summer1	BP	0.54	0.00	0.00	0.00	0.6614	No trend	0.0384
SBE5	MARGALEF	Summer1	AP	1.78	0.02	14.61	0.26	0.2736	No trend	0.1137
SBE5	MARGALEF	Summer1	BP	1.51	0.02	17.22	0.26	0.1546	No trend	0.7590
SBE5	N_GENERA	Summer1	AP	26.50	0.28	13.74	3.64	0.1016	No trend	0.0443
SBE5	N_GENERA	Summer1	BP	23.50	0.40	22.13	5.20	0.0203	Improving	0.5615
SBE5	N_SP	Summer1	AP	28.50	0.35	15.96	4.55	0.2256	No trend	0.1151
SBE5	N_SP	Summer1	BP	24.50	0.50	26.53	6.50	0.0339	Improving	0.7718
SBE5	PROCAR_C	Summer1	AP	0.01	0.00	0.00	0.00	0.0198	No change	0.9339
SBE5	PROCAR_C	Summer1	BP	0.00	0.00		0.00	0.0001	No change	0.7324
SBE5	PROCARY	Summer1	AP	0.12	0.01	108.33	0.13	0.0198	Degrading	0.5000
SBE5	PROCARY	Summer1	BP	0.00	0.01		0.13	<0.0001	Degrading	0.5909
SBE5	RATIO	Summer1	AP	26.77	1.07	51.96	13.91	0.0118	Improving	0.1972
SBE5	RATIO	Summer1	BP	22.26	0.35	20.44	4.55	0.5841	No trend	0.3847
SBE5	SHANNON	Summer1	AP	2.90	0.00	0.00	0.00	0.9563	No trend	0.2025
SBE5	SHANNON	Summer1	BP	2.57	0.02	10.12	0.26	0.2503	No trend	0.0537
SBE5	TOTABUND	Summer1	AP	4015111	206105	67	2679363	0.1124	No trend	0.0866
SBE5	TOTABUND	Summer1	BP	3281167	299141	119	3888838	0.0062	Increasing	0.8630
SBE5	TOTBMASS	Summer1	AP	107504802	15095170	183	196237211	0.0037	Increasing	0.0983
SBE5	TOTBMASS	Summer1	BP	69136966	13997944	263	181973277	0.0026	Increasing	0.9108
SBE5	CHLORO	Summer2	AP	832	0	0	0	1.0000	No trend	0.5161
SBE5	CHLORO	Summer2	BP	2101	4586	2838	59620	0.1343	No trend	0.5901
SBE5	CHLORO_C	Summer2	AP	12689	149447	15311	1942809	0.2796	No trend	0.1089
SBE5	CHLORO_C	Summer2	BP	47261	310896	8552	4041653	0.0328	Improving	0.7757
SBE5	CRYPTO	Summer2	AP	654145	-2755	-5	-35812	0.8249	No trend	0.8626

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
SBE5	CRYPTO	Summer2	BP	222354	8930	52	116090	0.5482	No trend	0.2335
SBE5	CRYPTO_C	Summer2	AP	15706009	-66141	-5	-859838	0.8249	No trend	0.8626
SBE5	CRYPTO_C	Summer2	BP	5338708	258804	63	3364449	0.5069	No trend	0.2643
SBE5	CYANO	Summer2	AP	671435	23576	46	306482	0.2177	No trend	0.5361
SBE5	CYANO	Summer2	BP	1408	52209	48204	678712	<0.0001	Degrading	0.6034
SBE5	CYANO_C	Summer2	AP	840429	204725	317	2661424	0.0040	Degrading	0.8421
SBE5	CYANO_C	Summer2	BP	19525	231678	15425	3011816	<0.0001	Degrading	0.5397
SBE5	DIATOM	Summer2	AP	3201910	44612	18	579954	0.5910	No trend	0.2729
SBE5	DIATOM	Summer2	BP	2725419	182226	87	2368935	0.0622	No trend	0.3727
SBE5	DIATOM_C	Summer2	AP	68529493	5339647	101	69415414	0.0622	No trend	0.4624
SBE5	DIATOM_C	Summer2	BP	48188089	10081762	272	131062902	0.0087	Improving	0.7651
SBE5	DINOFL_C	Summer2	AP	7084736	291937	54	3795179	0.5482	No trend	0.8421
SBE5	DINOFL_C	Summer2	BP	2984266	200713	87	2609268	0.3934	No trend	0.2030
SBE5	DINOFLG	Summer2	AP	130409	2560	26	33280	0.6812	No trend	0.8626
SBE5	DINOFLG	Summer2	BP	29601	978	43	12711	0.6354	No trend	0.3280
SBE5	EVENNESS	Summer2	AP	0.56	0.00	0.00	0.00	0.5069	No trend	0.2612
SBE5	EVENNESS	Summer2	BP	0.52	0.01	25.00	0.13	0.0821	No trend	0.6020
SBE5	MARGALEF	Summer2	AP	1.65	0.02	15.76	0.26	0.1374	No trend	0.0906
SBE5	MARGALEF	Summer2	BP	1.51	0.03	25.83	0.39	0.0821	No trend	0.9269
SBE5	N_GENERA	Summer2	AP	25.50	0.30	15.29	3.90	0.0886	No trend	0.0207
SBE5	N_GENERA	Summer2	BP	22.00	0.50	29.55	6.50	0.0080	Improving	0.8127
SBE5	N_SP	Summer2	AP	27.50	0.40	18.91	5.20	0.1810	No trend	0.0608
SBE5	N_SP	Summer2	BP	24.00	0.58	31.42	7.54	0.0221	Improving	0.8604
SBE5	PROCAR_C	Summer2	AP	0.01	0.00	0.00	0.00	0.0248	No change	0.8941
SBE5	PROCAR_C	Summer2	BP	0.00	0.00		0.00	0.0001	No change	0.7964
SBE5	PROCARY	Summer2	AP	0.14	0.01	92.86	0.13	0.0539	No trend	0.3114
SBE5	PROCARY	Summer2	BP	0.00	0.01		0.13	<0.0001	Degrading	0.5996
SBE5	RATIO	Summer2	AP	24.10	1.31	70.66	17.03	0.0014	Improving	0.7470
SBE5	RATIO	Summer2	BP	20.76	0.56	35.07	7.28	0.2177	No trend	0.6896
SBE5	SHANNON	Summer2	AP	2.68	0.02	9.70	0.26	0.3934	No trend	0.5049
SBE5	SHANNON	Summer2	BP	2.57	0.04	20.23	0.52	0.0178	Improving	0.9532
SBE5	TOTABUND	Summer2	AP	4703491	38127	11	495657	0.7761	No trend	0.4021
SBE5	TOTABUND	Summer2	BP	3419152	209023	79	2717298	0.0465	Increasing	0.9195
SBE5	TOTBMASS	Summer2	AP	129935564	7491209	75	97385711	0.1070	No trend	0.2182
SBE5	TOTBMASS	Summer2	BP	69136966	11667277	219	151674605	0.0149	Increasing	0.8124
SBE5	CHLORO	Winter	AP	20846	1567	98	20371	0.3212	No trend	0.2102
SBE5	CHLORO	Winter	BP	384	7030	23798	91384	0.0288	Improving	0.7511
SBE5	CHLORO_C	Winter	AP	445227	47747	139	620711	0.1812	No trend	0.1641
SBE5	CHLORO_C	Winter	BP	4385	154059	45670	2002768	0.1037	No trend	0.3423
SBE5	CRYPTO	Winter	AP	492069	-19613	-52	-254973	0.1134	No trend	0.5089
SBE5	CRYPTO	Winter	BP	132480	12234	120	159036	0.4670	No trend	0.8927
SBE5	CRYPTO_C	Winter	AP	11814577	-470915	-52	-6121899	0.1134	No trend	0.5089
SBE5	CRYPTO_C	Winter	BP	3180845	293726	120	3818442	0.4670	No trend	0.8927
SBE5	CYANO	Winter	AP	3584	15462	5608	201006	0.0794	No trend	0.7141
SBE5	CYANO	Winter	BP	2688	16688	8071	216941	0.0061	Degrading	0.3206
SBE5	CYANO_C	Winter	AP	77352	122847	2065	1597017	0.1134	No trend	0.8908
SBE5	CYANO_C	Winter	BP	34284	83023	3148	1079301	0.0260	Degrading	0.4819
SBE5	DIATOM	Winter	AP	1252590	134748	140	1751725	0.4163	No trend	0.1256
SBE5	DIATOM	Winter	BP	2238720	173044	100	2249575	0.7002	No trend	0.2952
SBE5	DIATOM_C	Winter	AP	46120943	6268500	177	81490505	0.6379	No trend	0.9224
SBE5	DIATOM_C	Winter	BP	117024650	-3975495	-44	-51681436	0.7002	No trend	0.6011
SBE5	DINOFL_C	Winter	AP	22594948	-355589	-20	-4622656	0.8306	No trend	0.3729
SBE5	DINOFL_C	Winter	BP	30380890	-451686	-19	-5871921	0.5210	No trend	0.0125
SBE5	DINOFLG	Winter	AP	222257	-7642	-45	-99342	0.3689	No trend	0.4163
SBE5	DINOFLG	Winter	BP	269824	-6412	-31	-83356	0.3689	No trend	0.0920
SBE5	EVENNESS	Winter	AP	0.54	0.00	0.00	0.00	0.8979	No trend	0.6420
SBE5	EVENNESS	Winter	BP	0.49	0.00	0.00	0.00	0.9659	No trend	0.0881
SBE5	MARGALEF	Winter	AP	2.71	0.01	4.80	0.13	0.7646	No trend	0.0685
SBE5	MARGALEF	Winter	BP	3.06	-0.03	-12.75	-0.39	0.1134	No trend	0.2786
SBE5	N_GENERA	Winter	AP	37.00	0.00	0.00	0.00	0.9657	No trend	0.0591

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
SBE5	N_GENERA	Winter	BP	40.00	-0.11	-3.58	-1.43	0.5750	No trend	0.1941
SBE5	N_SP	Winter	AP	40.00	0.33	10.73	4.29	0.6997	No trend	0.1373
SBE5	N_SP	Winter	BP	47.00	-0.44	-12.17	-5.72	0.1321	No trend	0.1035
SBE5	PROCAR_C	Winter	AP	0.00	0.00		0.00	0.2480	No trend	0.8625
SBE5	PROCAR_C	Winter	BP	0.00	0.00		0.00	0.0323	No change	0.2503
SBE5	PROCARY	Winter	AP	0.00	0.00		0.00	0.0542	No trend	0.7287
SBE5	PROCARY	Winter	BP	0.00	0.00		0.00	0.0047	No change	0.0519
SBE5	RATIO	Winter	AP	34.89	1.43	53.28	18.59	0.3689	No trend	0.9082
SBE5	RATIO	Winter	BP	47.25	-1.81	-49.80	-23.53	0.1580	No trend	0.5216
SBE5	SHANNON	Winter	AP	2.91	0.01	4.47	0.13	0.8979	No trend	0.7714
SBE5	SHANNON	Winter	BP	2.83	-0.02	-9.19	-0.26	0.3689	No trend	0.1034
SBE5	TOTABUND	Winter	AP	2747945	112733	53	1465535	0.5781	No trend	0.7123
SBE5	TOTABUND	Winter	BP	3804352	148173	51	1926245	0.7002	No trend	0.2952
SBE5	TOTBMASS	Winter	AP	87198346	424621	6	5520071	0.9659	No trend	0.8921
SBE5	TOTBMASS	Winter	BP	179765345	-8779794	-63	-114137319	0.5781	No trend	0.6148
TF4.2	CHLORO	Annual	AP	38244	13543	531	203150	<0.0001	Improving	0.7385
TF4.2	CHLORO	Annual	BP	49608	21332	645	319984	<0.0001	Improving	0.4726
TF4.2	CHLORO_C	Annual	AP	791369	648069	1228	9721029	<0.0001	Improving	0.8015
TF4.2	CHLORO_C	Annual	BP	1484829	1369720	1384	20545799	<0.0001	Improving	0.4583
TF4.2	CRYPTO	Annual	AP	363120	35764	148	536462	<0.0001	Increasing	0.8240
TF4.2	CRYPTO	Annual	BP	181264	52232	432	783473	<0.0001	Increasing	0.9902
TF4.2	CRYPTO_C	Annual	AP	8408878	886463	158	13296944	<0.0001	Increasing	0.7805
TF4.2	CRYPTO_C	Annual	BP	4349904	1254078	432	18811175	<0.0001	Increasing	0.9902
TF4.2	CYANO	Annual	AP	61949	41941	1016	629120	<0.0001	Degrading	0.2948
TF4.2	CYANO	Annual	BP	133632	51471	578	772059	<0.0001	Degrading	0.5587
TF4.2	CYANO_C	Annual	AP	495556	198253	600	2973794	<0.0001	Degrading	0.2731
TF4.2	CYANO_C	Annual	BP	1628653	249619	230	3744279	<0.0001	Degrading	0.6992
TF4.2	DIATOM	Annual	AP	1307079	47249	54	708728	0.0081	Improving	0.7475
TF4.2	DIATOM	Annual	BP	1827780	89943	74	1349145	<0.0001	Improving	0.9943
TF4.2	DIATOM_C	Annual	AP	83876850	3717042	66	55755624	0.0063	Improving	0.9724
TF4.2	DIATOM_C	Annual	BP	111330554	4829368	65	72440522	0.0011	Improving	0.8913
TF4.2	DINOFL_C	Annual	AP	167520	0	0	0	0.9071	No trend	0.0110
TF4.2	DINOFL_C	Annual	BP	113134	0	0	0	0.5407	No trend	0.6748
TF4.2	DINOFLG	Annual	AP	736	0	0	0	0.8494	No trend	0.0054
TF4.2	DINOFLG	Annual	BP	1280	0	0	0	0.7815	No trend	0.7896
TF4.2	EVENNESS	Annual	AP	0.55	0.00	0.00	0.00	0.0209	No change	0.9874
TF4.2	EVENNESS	Annual	BP	0.51	0.00	0.00	0.00	0.0231	No change	0.9719
TF4.2	MARGALEF	Annual	AP	1.85	0.00	0.00	0.00	0.6847	No trend	0.3412
TF4.2	MARGALEF	Annual	BP	1.84	-0.01	-8.15	-0.15	0.0779	No trend	0.9718
TF4.2	N_GENERA	Annual	AP	24.50	0.20	12.24	3.00	0.0410	Improving	0.5943
TF4.2	N_GENERA	Annual	BP	24.00	0.18	11.25	2.70	0.0257	Improving	0.8974
TF4.2	N_SP	Annual	AP	29.00	0.00	0.00	0.00	0.5635	No trend	0.3656
TF4.2	N_SP	Annual	BP	29.50	0.00	0.00	0.00	0.8422	No trend	0.8905
TF4.2	PROCAR_C	Annual	AP	0.00	0.00		0.00	<0.0001	No change	0.0054
TF4.2	PROCAR_C	Annual	BP	0.01	0.00	0.00	0.00	0.0087	No change	0.1330
TF4.2	PROCARY	Annual	AP	0.02	0.01	750.00	0.15	<0.0001	Degrading	0.0048
TF4.2	PROCARY	Annual	BP	0.06	0.01	250.00	0.15	0.0007	Degrading	0.2736
TF4.2	RATIO	Annual	AP	37.13	0.19	7.68	2.85	0.6642	No trend	0.7505
TF4.2	RATIO	Annual	BP	31.55	0.03	1.43	0.45	0.9438	No trend	0.2571
TF4.2	SHANNON	Annual	AP	2.66	0.02	11.28	0.30	0.0260	Improving	0.9308
TF4.2	SHANNON	Annual	BP	2.37	0.03	18.99	0.45	0.0024	Improving	0.9618
TF4.2	TOTABUND	Annual	AP	3514434	202812	87	3042182	<0.0001	Increasing	0.6374
TF4.2	TOTABUND	Annual	BP	3800872	297299	117	4459485	<0.0001	Increasing	0.9615
TF4.2	TOTBMASS	Annual	AP	135315729	7952224	88	119283366	0.0001	Increasing	0.5794
TF4.2	TOTBMASS	Annual	BP	129987454	12025300	139	180379501	<0.0001	Increasing	0.9614
TF4.2	CHLORO	Fall	AP	38244	6469	254	97035	0.0041	Improving	0.5693
TF4.2	CHLORO	Fall	BP	15998	17774	1667	266604	0.0001	Improving	0.3097
TF4.2	CHLORO_C	Fall	AP	1031899	308388	448	4625818	0.0006	Improving	0.5257
TF4.2	CHLORO_C	Fall	BP	361824	875210	3628	13128157	0.0001	Improving	0.2119
TF4.2	CRYPTO	Fall	AP	399469	41496	156	622441	0.0041	Increasing	0.7554

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
TF4.2	CRYPTO	Fall	BP	136122	52114	574	781713	0.0006	Increasing	0.8496
TF4.2	CRYPTO_C	Fall	AP	9591239	953124	149	14296859	0.0048	Increasing	0.7762
TF4.2	CRYPTO_C	Fall	BP	3268277	1251262	574	18768933	0.0006	Increasing	0.8496
TF4.2	CYANO	Fall	AP	130496	22001	253	330020	0.0127	Degrading	0.5126
TF4.2	CYANO	Fall	BP	94976	23817	376	357258	0.0915	No trend	0.9502
TF4.2	CYANO_C	Fall	AP	609454	104210	256	1563152	0.0013	Degrading	0.6376
TF4.2	CYANO_C	Fall	BP	1430849	191721	201	2875817	0.0288	Degrading	0.9579
TF4.2	DIATOM	Fall	AP	1247318	35794	43	536905	0.1848	No trend	0.7578
TF4.2	DIATOM	Fall	BP	1823115	74484	61	1117256	0.0175	Improving	0.8050
TF4.2	DIATOM_C	Fall	AP	63704429	2446208	58	36693121	0.3475	No trend	0.9902
TF4.2	DIATOM_C	Fall	BP	53798768	2709263	76	40638943	0.1357	No trend	0.7328
TF4.2	DINOFL_C	Fall	AP	9161	0	0	0	0.9287	No trend	0.6476
TF4.2	DINOFL_C	Fall	BP	94278	0	0	0	0.4544	No trend	0.6964
TF4.2	DINOFLG	Fall	AP	320	0	0	0	0.9762	No trend	0.6098
TF4.2	DINOFLG	Fall	BP	320	0	0	0	0.4034	No trend	0.5960
TF4.2	EVENNESS	Fall	AP	0.52	0.01	28.85	0.15	0.0974	No trend	0.6955
TF4.2	EVENNESS	Fall	BP	0.47	0.01	31.91	0.15	0.1848	No trend	0.8437
TF4.2	MARGALEF	Fall	AP	1.79	0.02	16.76	0.30	0.0867	No trend	0.7989
TF4.2	MARGALEF	Fall	BP	1.67	-0.01	-8.98	-0.15	0.6190	No trend	0.5006
TF4.2	N_GENERA	Fall	AP	25.00	0.45	27.00	6.75	0.0135	Improving	0.9941
TF4.2	N_GENERA	Fall	BP	22.00	0.22	15.00	3.30	0.2097	No trend	0.3632
TF4.2	N_SP	Fall	AP	28.50	0.43	22.63	6.45	0.0344	Improving	0.9208
TF4.2	N_SP	Fall	BP	25.50	0.00	0.00	0.00	0.7385	No trend	0.4136
TF4.2	PROCAR_C	Fall	AP	0.00	0.00		0.00	0.0048	No change	0.6430
TF4.2	PROCAR_C	Fall	BP	0.01	0.00	0.00	0.00	0.3612	No trend	0.8536
TF4.2	PROCARY	Fall	AP	0.06	0.01	250.00	0.15	0.0232	Degrading	0.3605
TF4.2	PROCARY	Fall	BP	0.03	0.00	0.00	0.00	0.2806	No trend	0.4472
TF4.2	RATIO	Fall	AP	36.61	-0.03	-1.23	-0.45	0.9559	No trend	0.8744
TF4.2	RATIO	Fall	BP	26.80	0.80	44.78	12.00	0.3475	No trend	0.4479
TF4.2	SHANNON	Fall	AP	2.35	0.04	25.53	0.60	0.0271	Improving	0.6998
TF4.2	SHANNON	Fall	BP	2.17	0.04	27.65	0.60	0.0682	No trend	0.5470
TF4.2	TOTABUND	Fall	AP	3081051	113195	55	1697919	0.0603	No trend	0.9782
TF4.2	TOTABUND	Fall	BP	4135273	206378	75	3095669	0.0175	Increasing	0.8463
TF4.2	TOTBMASS	Fall	AP	112811716	5768775	77	86531623	0.0682	No trend	0.9994
TF4.2	TOTBMASS	Fall	BP	101043109	7773831	115	116607463	0.0068	Increasing	0.7443
TF4.2	CHLORO	SAV1	AP	35438	9874	418	148108	<0.0001	Improving	0.9288
TF4.2	CHLORO	SAV1	BP	22960	21367	1396	320499	<0.0001	Improving	0.4943
TF4.2	CHLORO_C	SAV1	AP	565012	435985	1157	6539775	<0.0001	Improving	0.5516
TF4.2	CHLORO_C	SAV1	BP	511815	1406865	4123	21102978	<0.0001	Improving	0.7235
TF4.2	CRYPTO	SAV1	AP	399469	34295	129	514431	0.0001	Increasing	0.4025
TF4.2	CRYPTO	SAV1	BP	231162	57088	370	856314	<0.0001	Increasing	0.9808
TF4.2	CRYPTO_C	SAV1	AP	9591239	812221	127	12183318	0.0001	Increasing	0.4100
TF4.2	CRYPTO_C	SAV1	BP	5550188	1370673	370	20560102	<0.0001	Increasing	0.9808
TF4.2	CYANO	SAV1	AP	40093	27783	1039	416739	<0.0001	Degrading	0.3321
TF4.2	CYANO	SAV1	BP	121344	48660	602	729899	0.0001	Degrading	0.6445
TF4.2	CYANO_C	SAV1	AP	124946	155037	1861	2325548	<0.0001	Degrading	0.6372
TF4.2	CYANO_C	SAV1	BP	886438	281935	477	4229018	<0.0001	Degrading	0.5282
TF4.2	DIATOM	SAV1	AP	1964456	33294	25	499408	0.1035	No trend	0.6232
TF4.2	DIATOM	SAV1	BP	1368022	81187	89	1217804	0.0013	Improving	0.9183
TF4.2	DIATOM_C	SAV1	AP	98318003	2831113	43	42466692	0.1299	No trend	0.8862
TF4.2	DIATOM_C	SAV1	BP	78380882	5492928	105	82393925	0.0101	Improving	0.7528
TF4.2	DINOFL_C	SAV1	AP	84092	0	0	0	0.3916	No trend	0.0555
TF4.2	DINOFL_C	SAV1	BP	77277	0	0	0	0.2105	No trend	0.9859
TF4.2	DINOFLG	SAV1	AP	448	0	0	0	0.1149	No trend	0.0148
TF4.2	DINOFLG	SAV1	BP	192	0	0	0	0.3916	No trend	0.9308
TF4.2	EVENNESS	SAV1	AP	0.53	0.00	0.00	0.00	0.0490	No change	0.9744
TF4.2	EVENNESS	SAV1	BP	0.49	0.01	30.61	0.15	0.0382	Improving	0.8956
TF4.2	MARGALEF	SAV1	AP	1.79	0.01	8.38	0.15	0.4719	No trend	0.1954
TF4.2	MARGALEF	SAV1	BP	1.83	-0.01	-8.20	-0.15	0.3373	No trend	0.6662
TF4.2	N_GENERA	SAV1	AP	23.50	0.33	21.06	4.95	0.0545	No trend	0.3087

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
TF4.2	N_GENERA	SAV1	BP	24.00	0.27	16.88	4.05	0.0127	Improving	0.7669
TF4.2	N_SP	SAV1	AP	28.50	0.16	8.42	2.40	0.2689	No trend	0.1890
TF4.2	N_SP	SAV1	BP	28.00	0.09	4.82	1.35	0.3841	No trend	0.5454
TF4.2	PROCAR_C	SAV1	AP	0.00	0.00		0.00	<0.0001	No change	0.3765
TF4.2	PROCAR_C	SAV1	BP	0.01	0.00	0.00	0.00	0.0182	No change	0.0875
TF4.2	PROCARY	SAV1	AP	0.01	0.01	1500.00	0.15	0.0001	Degrading	0.0991
TF4.2	PROCARY	SAV1	BP	0.04	0.01	375.00	0.15	0.0042	Degrading	0.2345
TF4.2	RATIO	SAV1	AP	38.40	0.18	7.03	2.70	0.8203	No trend	0.7974
TF4.2	RATIO	SAV1	BP	31.55	-0.02	-0.95	-0.30	0.9694	No trend	0.5510
TF4.2	SHANNON	SAV1	AP	2.48	0.02	12.10	0.30	0.0409	Improving	0.9856
TF4.2	SHANNON	SAV1	BP	2.24	0.04	26.79	0.60	0.0016	Improving	0.9070
TF4.2	TOTABUND	SAV1	AP	4385510	126291	43	1894362	0.0409	Increasing	0.7937
TF4.2	TOTABUND	SAV1	BP	3232356	252901	117	3793512	0.0001	Increasing	0.9987
TF4.2	TOTBMASS	SAV1	AP	153917222	5507716	54	82615734	0.0448	Increasing	0.3224
TF4.2	TOTBMASS	SAV1	BP	113272575	10628313	141	159424695	0.0007	Increasing	0.7619
TF4.2	CHLORO	SAV2	AP	100627	24347	363	365207	<0.0001	Improving	0.5850
TF4.2	CHLORO	SAV2	BP	82437	31661	576	474922	<0.0001	Improving	0.4390
TF4.2	CHLORO_C	SAV2	AP	2401355	1192843	745	17892646	<0.0001	Improving	0.7430
TF4.2	CHLORO_C	SAV2	BP	1532139	2175108	2129	32626623	<0.0001	Improving	0.7939
TF4.2	CRYPTO	SAV2	AP	395754	42493	161	637391	<0.0001	Increasing	0.4536
TF4.2	CRYPTO	SAV2	BP	201037	54270	405	814051	<0.0001	Increasing	0.9353
TF4.2	CRYPTO_C	SAV2	AP	8718511	1027319	177	15409779	<0.0001	Increasing	0.3983
TF4.2	CRYPTO_C	SAV2	BP	4824641	1303025	405	19545371	<0.0001	Increasing	0.9353
TF4.2	CYANO	SAV2	AP	102707	42561	622	638408	0.0002	Degrading	0.2032
TF4.2	CYANO	SAV2	BP	589446	50283	128	754238	0.0006	Degrading	0.6258
TF4.2	CYANO_C	SAV2	AP	1214442	246803	305	3702046	<0.0001	Degrading	0.1098
TF4.2	CYANO_C	SAV2	BP	5490770	244282	67	3664223	0.0002	Degrading	0.5752
TF4.2	DIATOM	SAV2	AP	2838668	83709	44	1255639	0.0044	Improving	0.6263
TF4.2	DIATOM	SAV2	BP	3001894	129814	65	1947215	0.0006	Improving	0.8817
TF4.2	DIATOM_C	SAV2	AP	120080695	5392604	67	80889054	0.0115	Improving	0.8095
TF4.2	DIATOM_C	SAV2	BP	190724681	6314833	50	94722494	0.0225	Improving	0.6595
TF4.2	DINOFL_C	SAV2	AP	254254	0	0	0	0.4044	No trend	0.0104
TF4.2	DINOFL_C	SAV2	BP	492485	0	0	0	0.6406	No trend	0.5156
TF4.2	DINOFLG	SAV2	AP	1216	0	0	0	0.3836	No trend	0.0083
TF4.2	DINOFLG	SAV2	BP	4032	0	0	0	0.6921	No trend	0.6280
TF4.2	EVENNESS	SAV2	AP	0.55	0.00	0.00	0.00	0.1733	No trend	0.9631
TF4.2	EVENNESS	SAV2	BP	0.46	0.00	0.00	0.00	0.1001	No trend	0.9722
TF4.2	MARGALEF	SAV2	AP	1.91	-0.01	-7.85	-0.15	0.5130	No trend	0.1789
TF4.2	MARGALEF	SAV2	BP	1.99	-0.01	-7.54	-0.15	0.1001	No trend	0.8995
TF4.2	N_GENERA	SAV2	AP	26.00	0.17	9.81	2.55	0.2128	No trend	0.3041
TF4.2	N_GENERA	SAV2	BP	27.00	0.17	9.44	2.55	0.1401	No trend	0.9245
TF4.2	N_SP	SAV2	AP	30.50	0.00	0.00	0.00	1.0000	No trend	0.1763
TF4.2	N_SP	SAV2	BP	32.50	0.00	0.00	0.00	0.9716	No trend	0.7684
TF4.2	PROCAR_C	SAV2	AP	0.00	0.00		0.00	0.0475	No change	0.0076
TF4.2	PROCAR_C	SAV2	BP	0.02	0.00	0.00	0.00	0.2808	No trend	0.0658
TF4.2	PROCARY	SAV2	AP	0.02	0.00	0.00	0.00	0.1113	No trend	0.0186
TF4.2	PROCARY	SAV2	BP	0.17	0.00	0.00	0.00	0.0930	No trend	0.1149
TF4.2	RATIO	SAV2	AP	37.13	0.69	27.88	10.35	0.2093	No trend	0.6273
TF4.2	RATIO	SAV2	BP	33.16	0.39	17.64	5.85	0.4904	No trend	0.0947
TF4.2	SHANNON	SAV2	AP	2.77	0.02	10.83	0.30	0.1240	No trend	0.8153
TF4.2	SHANNON	SAV2	BP	2.24	0.03	20.09	0.45	0.0093	Improving	0.8779
TF4.2	TOTABUND	SAV2	AP	6550740	264857	61	3972851	0.0003	Increasing	0.2764
TF4.2	TOTABUND	SAV2	BP	6077818	415662	103	6234936	0.0002	Increasing	0.7958
TF4.2	TOTBMASS	SAV2	AP	165087051	13604820	124	204072299	0.0002	Increasing	0.4276
TF4.2	TOTBMASS	SAV2	BP	210704776	20803607	148	312054099	0.0001	Increasing	0.7306
TF4.2	CHLORO	Spring1	AP	19575	7884	604	118264	0.0012	Improving	0.6250
TF4.2	CHLORO	Spring1	BP	19456	16422	1266	246336	0.0002	Improving	0.2838
TF4.2	CHLORO_C	Spring1	AP	375083	181171	725	2717564	0.0068	Improving	0.3014
TF4.2	CHLORO_C	Spring1	BP	437510	727374	2494	10910615	0.0002	Improving	0.4933
TF4.2	CRYPTO	Spring1	AP	336404	17158	77	257375	0.1270	No trend	0.4695

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
TF4.2	CRYPTO	Spring1	BP	296336	54270	275	814051	0.0016	Increasing	0.8674
TF4.2	CRYPTO_C	Spring1	AP	8077048	411971	77	6179561	0.1270	No trend	0.4695
TF4.2	CRYPTO_C	Spring1	BP	7115027	1303025	275	19545371	0.0016	Increasing	0.8674
TF4.2	CYANO	Spring1	AP	1819	40371	33291	605565	<0.0001	Degrading	0.8107
TF4.2	CYANO	Spring1	BP	11531	49050	6381	735755	0.0001	Degrading	0.9728
TF4.2	CYANO_C	Spring1	AP	24300	165858	10238	2487863	<0.0001	Degrading	0.8566
TF4.2	CYANO_C	Spring1	BP	133391	296450	3334	4446756	<0.0001	Degrading	0.6581
TF4.2	DIATOM	Spring1	AP	1964456	1418	1	21275	0.9786	No trend	0.7445
TF4.2	DIATOM	Spring1	BP	1029097	45001	66	675018	0.1167	No trend	0.9928
TF4.2	DIATOM_C	Spring1	AP	109093790	1321302	18	19819533	0.5380	No trend	0.6644
TF4.2	DIATOM_C	Spring1	BP	67501967	3756630	83	56349456	0.1775	No trend	0.8662
TF4.2	DINOFL_C	Spring1	AP	247360	-912	-6	-13680	0.0201	Improving	0.2327
TF4.2	DINOFL_C	Spring1	BP	54053	0	0	0	0.6872	No trend	0.8997
TF4.2	DINOFLG	Spring1	AP	3594	-32	-13	-480	0.0022	Improving	0.1083
TF4.2	DINOFLG	Spring1	BP	128	0	0	0	0.9540	No trend	0.7681
TF4.2	EVENNESS	Spring1	AP	0.48	0.01	31.25	0.15	0.0647	No trend	0.8607
TF4.2	EVENNESS	Spring1	BP	0.55	0.01	27.27	0.15	0.0576	No trend	0.6976
TF4.2	MARGALEF	Spring1	AP	1.74	-0.02	-17.24	-0.30	0.1895	No trend	0.6943
TF4.2	MARGALEF	Spring1	BP	1.74	-0.01	-8.62	-0.15	0.1958	No trend	0.6066
TF4.2	N_GENERA	Spring1	AP	22.50	0.00	0.00	0.00	0.8291	No trend	0.6401
TF4.2	N_GENERA	Spring1	BP	22.50	0.25	16.67	3.75	0.0401	Improving	0.8047
TF4.2	N_SP	Spring1	AP	27.50	-0.22	-12.00	-3.30	0.2930	No trend	0.6856
TF4.2	N_SP	Spring1	BP	26.00	0.00	0.00	0.00	0.8894	No trend	0.3610
TF4.2	PROCAR_C	Spring1	AP	0.00	0.00		0.00	<0.0001	No change	0.7239
TF4.2	PROCAR_C	Spring1	BP	0.00	0.00		0.00	0.0009	No change	0.3422
TF4.2	PROCARY	Spring1	AP	0.00	0.02		0.30	<0.0001	Degrading	0.7644
TF4.2	PROCARY	Spring1	BP	0.01	0.02	3000.00	0.30	0.0002	Degrading	0.7649
TF4.2	RATIO	Spring1	AP	44.92	-0.07	-2.34	-1.05	0.8935	No trend	0.3537
TF4.2	RATIO	Spring1	BP	44.37	-0.96	-32.45	-14.40	0.3354	No trend	0.6722
TF4.2	SHANNON	Spring1	AP	2.36	0.02	12.71	0.30	0.2283	No trend	0.8654
TF4.2	SHANNON	Spring1	BP	2.65	0.04	22.64	0.60	0.0341	Improving	0.5463
TF4.2	TOTABUND	Spring1	AP	4385510	61235	21	918523	0.5033	No trend	0.5871
TF4.2	TOTABUND	Spring1	BP	2009962	233236	174	3498542	0.0089	Increasing	0.9783
TF4.2	TOTBMASS	Spring1	AP	160205898	1317550	12	19763256	0.8096	No trend	0.3780
TF4.2	TOTBMASS	Spring1	BP	106441975	5635224	79	84528353	0.1958	No trend	0.8830
TF4.2	CHLORO	Spring2	AP	12310	11984	1460	179760	<0.0001	Improving	0.3058
TF4.2	CHLORO	Spring2	BP	30653	24007	1175	360110	0.0001	Improving	0.3247
TF4.2	CHLORO_C	Spring2	AP	253828	388421	2295	5826322	0.0003	Improving	0.2345
TF4.2	CHLORO_C	Spring2	BP	1082268	1604586	2224	24068792	0.0002	Improving	0.4889
TF4.2	CRYPTO	Spring2	AP	433836	29213	101	438195	0.0446	Increasing	0.2051
TF4.2	CRYPTO	Spring2	BP	283176	70955	376	1064330	0.0012	Increasing	0.8773
TF4.2	CRYPTO_C	Spring2	AP	8112016	774102	143	11611536	0.0301	Increasing	0.1384
TF4.2	CRYPTO_C	Spring2	BP	6799044	1703637	376	25554560	0.0012	Increasing	0.8773
TF4.2	CYANO	Spring2	AP	4288	74835	26178	1122528	<0.0001	Degrading	0.9623
TF4.2	CYANO	Spring2	BP	11531	49865	6487	747970	0.0002	Degrading	0.9136
TF4.2	CYANO_C	Spring2	AP	43134	267262	9294	4008924	<0.0001	Degrading	0.8363
TF4.2	CYANO_C	Spring2	BP	133391	273242	3073	4098624	0.0001	Degrading	0.5711
TF4.2	DIATOM	Spring2	AP	861869	40049	70	600737	0.1270	No trend	0.1522
TF4.2	DIATOM	Spring2	BP	1763569	64019	54	960283	0.0573	No trend	0.9213
TF4.2	DIATOM_C	Spring2	AP	78215798	2689089	52	40336337	0.2496	No trend	0.6433
TF4.2	DIATOM_C	Spring2	BP	145592180	5192065	53	77880974	0.1721	No trend	0.8664
TF4.2	DINOFL_C	Spring2	AP	346371	0	0	0	0.7157	No trend	0.0367
TF4.2	DINOFL_C	Spring2	BP	772724	0	0	0	0.9349	No trend	0.9415
TF4.2	DINOFLG	Spring2	AP	3818	0	0	0	0.9107	No trend	0.0023
TF4.2	DINOFLG	Spring2	BP	16443	0	0	0	0.8482	No trend	0.8716
TF4.2	EVENNESS	Spring2	AP	0.48	0.01	31.25	0.15	0.1142	No trend	0.8605
TF4.2	EVENNESS	Spring2	BP	0.56	0.00	0.00	0.00	0.2083	No trend	0.7371
TF4.2	MARGALEF	Spring2	AP	1.81	-0.02	-16.57	-0.30	0.2083	No trend	0.6652
TF4.2	MARGALEF	Spring2	BP	1.74	-0.02	-17.24	-0.30	0.1270	No trend	0.6322
TF4.2	N_GENERA	Spring2	AP	23.50	0.00	0.00	0.00	0.9784	No trend	0.4256

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
TF4.2	N_GENERA	Spring2	BP	23.00	0.17	11.09	2.55	0.2578	No trend	0.5254
TF4.2	N_SP	Spring2	AP	28.00	-0.17	-9.11	-2.55	0.4184	No trend	0.4716
TF4.2	N_SP	Spring2	BP	26.00	0.00	0.00	0.00	0.6267	No trend	0.3810
TF4.2	PROCAR_C	Spring2	AP	0.00	0.00		0.00	0.0002	No change	0.9696
TF4.2	PROCAR_C	Spring2	BP	0.00	0.00		0.00	0.0058	No change	0.2295
TF4.2	PROCARY	Spring2	AP	0.00	0.03		0.45	0.0003	Degrading	0.6421
TF4.2	PROCARY	Spring2	BP	0.01	0.01	1500.00	0.15	0.0010	Degrading	0.4566
TF4.2	RATIO	Spring2	AP	37.01	0.16	6.48	2.40	0.8513	No trend	0.5794
TF4.2	RATIO	Spring2	BP	55.56	-0.94	-25.38	-14.10	0.4065	No trend	0.5873
TF4.2	SHANNON	Spring2	AP	2.33	0.02	12.88	0.30	0.1895	No trend	0.8307
TF4.2	SHANNON	Spring2	BP	2.82	0.02	10.64	0.30	0.1142	No trend	0.5408
TF4.2	TOTABUND	Spring2	AP	2536329	227406	134	3411090	0.0148	Increasing	0.0261
TF4.2	TOTABUND	Spring2	BP	3139641	377211	180	5658165	0.0014	Increasing	0.5787
TF4.2	TOTBMASS	Spring2	AP	124262037	6833967	82	102509501	0.0818	No trend	0.1407
TF4.2	TOTBMASS	Spring2	BP	157330366	17558442	167	263376625	0.0506	No trend	0.3577
TF4.2	CHLORO	Summer1	AP	218256	60124	413	901860	<0.0001	Improving	0.3196
TF4.2	CHLORO	Summer1	BP	208484	42345	305	635177	0.0001	Improving	0.5286
TF4.2	CHLORO_C	Summer1	AP	7824131	4258335	816	63875024	<0.0001	Improving	0.9680
TF4.2	CHLORO_C	Summer1	BP	4369158	5400743	1854	81011139	<0.0001	Improving	0.7956
TF4.2	CRYPTO	Summer1	AP	350224	61683	264	925241	<0.0001	Increasing	0.6445
TF4.2	CRYPTO	Summer1	BP	258792	55431	321	831470	0.0002	Increasing	0.7279
TF4.2	CRYPTO_C	Summer1	AP	7069250	1562825	332	23442372	<0.0001	Increasing	0.5870
TF4.2	CRYPTO_C	Summer1	BP	6213596	1330906	321	19963583	0.0002	Increasing	0.7279
TF4.2	CYANO	Summer1	AP	4531825	75601	25	1134010	0.0453	Degrading	0.1810
TF4.2	CYANO	Summer1	BP	4521544	64723	21	970838	0.0782	No trend	0.7014
TF4.2	CYANO_C	Summer1	AP	9896241	290157	44	4352356	0.0193	Degrading	0.0814
TF4.2	CYANO_C	Summer1	BP	12495738	213079	26	3196186	0.0632	No trend	0.8324
TF4.2	DIATOM	Summer1	AP	2851118	154674	81	2320116	0.0019	Improving	0.6913
TF4.2	DIATOM	Summer1	BP	3942726	174645	66	2619671	0.0074	Improving	0.6207
TF4.2	DIATOM_C	Summer1	AP	137680161	8752041	95	131280610	0.0086	Improving	0.7521
TF4.2	DIATOM_C	Summer1	BP	252659590	8784411	52	131766165	0.0960	No trend	0.3072
TF4.2	DINOFL_C	Summer1	AP	321641	63991	298	959858	0.1280	No trend	0.0049
TF4.2	DINOFL_C	Summer1	BP	2145013	0	0	0	0.9615	No trend	0.2129
TF4.2	DINOFLG	Summer1	AP	1600	366	343	5486	0.0276	Degrading	0.0718
TF4.2	DINOFLG	Summer1	BP	26615	-64	-4	-960	0.3963	No trend	0.4472
TF4.2	EVENNESS	Summer1	AP	0.57	0.00	0.00	0.00	0.5790	No trend	0.9190
TF4.2	EVENNESS	Summer1	BP	0.46	0.00	0.00	0.00	0.5148	No trend	0.9938
TF4.2	MARGALEF	Summer1	AP	2.16	-0.01	-6.94	-0.15	0.6124	No trend	0.1432
TF4.2	MARGALEF	Summer1	BP	2.11	-0.01	-7.11	-0.15	0.4260	No trend	0.8301
TF4.2	N_GENERA	Summer1	AP	28.00	0.25	13.39	3.75	0.1594	No trend	0.2474
TF4.2	N_GENERA	Summer1	BP	32.00	0.22	10.31	3.30	0.3324	No trend	0.8712
TF4.2	N_SP	Summer1	AP	34.00	0.00	0.00	0.00	0.7711	No trend	0.1444
TF4.2	N_SP	Summer1	BP	36.50	0.00	0.00	0.00	0.7897	No trend	0.7128
TF4.2	PROCAR_C	Summer1	AP	0.03	0.00	0.00	0.00	0.6467	No trend	0.0335
TF4.2	PROCAR_C	Summer1	BP	0.06	0.00	0.00	0.00	0.4546	No trend	0.4463
TF4.2	PROCARY	Summer1	AP	0.79	-0.01	-18.99	-0.15	0.5148	No trend	0.1904
TF4.2	PROCARY	Summer1	BP	0.91	0.00	0.00	0.00	0.9808	No trend	0.6860
TF4.2	RATIO	Summer1	AP	33.68	1.00	44.54	15.00	0.2569	No trend	0.2854
TF4.2	RATIO	Summer1	BP	35.09	0.87	37.19	13.05	0.2996	No trend	0.0981
TF4.2	SHANNON	Summer1	AP	2.91	0.01	5.15	0.15	0.4842	No trend	0.6032
TF4.2	SHANNON	Summer1	BP	2.40	0.02	12.50	0.30	0.1546	No trend	0.9459
TF4.2	TOTABUND	Summer1	AP	9415944	496788	79	7451827	0.0001	Increasing	0.3581
TF4.2	TOTABUND	Summer1	BP	10563453	543319	77	8149785	0.0035	Increasing	0.3806
TF4.2	TOTBMASS	Summer1	AP	199105173	24842287	187	372634298	<0.0001	Increasing	0.8728
TF4.2	TOTBMASS	Summer1	BP	389877637	30434031	117	456510467	0.0005	Increasing	0.6928
TF4.2	CHLORO	Summer2	AP	311152	59428	286	891420	0.0006	Improving	0.3731
TF4.2	CHLORO	Summer2	BP	306831	34354	168	515315	0.0005	Improving	0.3326
TF4.2	CHLORO_C	Summer2	AP	12854471	7491438	874	112371577	<0.0001	Improving	0.8940
TF4.2	CHLORO_C	Summer2	BP	8812755	4613169	785	69197538	<0.0001	Improving	0.6983
TF4.2	CRYPTO	Summer2	AP	350224	49340	211	740097	0.0005	Increasing	0.4681

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
TF4.2	CRYPTO	Summer2	BP	258792	44583	258	668751	0.0011	Increasing	0.5215
TF4.2	CRYPTO_C	Summer2	AP	8408878	1184648	211	17769723	0.0005	Increasing	0.4681
TF4.2	CRYPTO_C	Summer2	BP	6213596	1070448	258	16056717	0.0011	Increasing	0.5215
TF4.2	CYANO	Summer2	AP	5640630	31499	8	472489	0.4725	No trend	0.7827
TF4.2	CYANO	Summer2	BP	19588366	57506	4	862589	0.3199	No trend	0.8986
TF4.2	CYANO_C	Summer2	AP	15803106	211860	20	3177907	0.3199	No trend	0.3366
TF4.2	CYANO_C	Summer2	BP	119680226	200953	3	3014295	0.2459	No trend	0.9883
TF4.2	DIATOM	Summer2	AP	3212094	162956	76	2444334	0.0271	Improving	0.8011
TF4.2	DIATOM	Summer2	BP	5180621	224055	65	3360830	0.0235	Improving	0.4155
TF4.2	DIATOM_C	Summer2	AP	175370480	10266559	88	153998382	0.0150	Improving	0.5758
TF4.2	DIATOM_C	Summer2	BP	279039744	9874473	53	148117102	0.1848	No trend	0.1713
TF4.2	DINOFL_C	Summer2	AP	638659	10579	25	158683	0.6183	No trend	0.0069
TF4.2	DINOFL_C	Summer2	BP	1860208	1966	2	29483	0.9118	No trend	0.1065
TF4.2	DINOFLG	Summer2	AP	1536	83	81	1240	0.2554	No trend	0.1082
TF4.2	DINOFLG	Summer2	BP	13500	-113	-13	-1691	0.3454	No trend	0.2928
TF4.2	EVENNESS	Summer2	AP	0.59	0.00	0.00	0.00	0.8251	No trend	0.9008
TF4.2	EVENNESS	Summer2	BP	0.40	0.00	0.00	0.00	0.5806	No trend	0.9597
TF4.2	MARGALEF	Summer2	AP	2.24	-0.01	-6.70	-0.15	0.6584	No trend	0.0665
TF4.2	MARGALEF	Summer2	BP	2.11	0.00	0.00	0.00	0.6989	No trend	0.7739
TF4.2	N_GENERA	Summer2	AP	30.00	0.20	10.00	3.00	0.3179	No trend	0.1433
TF4.2	N_GENERA	Summer2	BP	32.00	0.27	12.66	4.05	0.2222	No trend	0.9485
TF4.2	N_SP	Summer2	AP	37.00	0.00	0.00	0.00	0.9779	No trend	0.0763
TF4.2	N_SP	Summer2	BP	37.50	0.15	6.00	2.25	0.5051	No trend	0.7405
TF4.2	PROCAR_C	Summer2	AP	0.03	0.00	0.00	0.00	0.1090	No trend	0.2992
TF4.2	PROCAR_C	Summer2	BP	0.16	0.00	0.00	0.00	0.1848	No trend	0.6871
TF4.2	PROCARY	Summer2	AP	1.00	-0.02	-30.00	-0.30	0.1357	No trend	0.5891
TF4.2	PROCARY	Summer2	BP	2.25	-0.01	-6.67	-0.15	0.5806	No trend	0.8745
TF4.2	RATIO	Summer2	AP	33.68	1.46	65.02	21.90	0.1090	No trend	0.3446
TF4.2	RATIO	Summer2	BP	25.36	1.06	62.70	15.90	0.3199	No trend	0.0440
TF4.2	SHANNON	Summer2	AP	3.13	0.00	0.00	0.00	0.8251	No trend	0.5500
TF4.2	SHANNON	Summer2	BP	2.13	0.03	21.13	0.45	0.1848	No trend	0.8437
TF4.2	TOTABUND	Summer2	AP	10869280	396101	55	5941519	0.0110	Increasing	0.9586
TF4.2	TOTABUND	Summer2	BP	26134178	524052	30	7860783	0.0682	No trend	0.6278
TF4.2	TOTBMASS	Summer2	AP	247949189	28209294	171	423139408	0.0006	Increasing	0.7388
TF4.2	TOTBMASS	Summer2	BP	538933309	24425663	68	366384939	0.0068	Increasing	0.6084
TF4.2	CHLORO	Winter	AP	20384	14812	1090	222173	0.0709	No trend	0.5818
TF4.2	CHLORO	Winter	BP	49050	5710	175	85648	0.3767	No trend	0.8573
TF4.2	CHLORO_C	Winter	AP	691734	350500	760	5257493	0.0417	Improving	0.8921
TF4.2	CHLORO_C	Winter	BP	1253711	630054	754	9450811	0.2047	No trend	0.1898
TF4.2	CRYPTO	Winter	AP	333005	44335	200	665028	0.0837	No trend	0.6306
TF4.2	CRYPTO	Winter	BP	274116	48205	264	723068	0.0984	No trend	0.6812
TF4.2	CRYPTO_C	Winter	AP	7995450	1064488	200	15967322	0.0837	No trend	0.6306
TF4.2	CRYPTO_C	Winter	BP	6581513	1157391	264	17360867	0.0984	No trend	0.6812
TF4.2	CYANO	Winter	AP	69831	105566	2268	1583490	0.0019	Degrading	0.7711
TF4.2	CYANO	Winter	BP	70741	133421	2829	2001315	0.0001	Degrading	0.9361
TF4.2	CYANO_C	Winter	AP	797078	447421	842	6711314	0.0003	Degrading	0.5604
TF4.2	CYANO_C	Winter	BP	157696	264115	2512	3961725	0.0014	Degrading	0.3034
TF4.2	DIATOM	Winter	AP	1040967	17568	25	263521	0.6725	No trend	0.5884
TF4.2	DIATOM	Winter	BP	352278	110088	469	1651322	0.0597	No trend	0.8725
TF4.2	DIATOM_C	Winter	AP	36537106	3542186	145	53132786	0.2650	No trend	0.9385
TF4.2	DIATOM_C	Winter	BP	22279067	6793619	457	101904292	0.0234	Improving	0.7799
TF4.2	DINOFL_C	Winter	AP	89886	0	0	0	0.7472	No trend	0.8940
TF4.2	DINOFL_C	Winter	BP	182850	0	0	0	1.0000	No trend	0.1114
TF4.2	DINOFLG	Winter	AP	640	0	0	0	0.8402	No trend	0.9175
TF4.2	DINOFLG	Winter	BP	1568	0	0	0	0.5342	No trend	0.3079
TF4.2	EVENNESS	Winter	AP	0.56	0.00	0.00	0.00	0.6173	No trend	0.7652
TF4.2	EVENNESS	Winter	BP	0.51	0.00	0.00	0.00	0.5135	No trend	0.2004
TF4.2	MARGALEF	Winter	AP	2.02	-0.01	-7.43	-0.15	0.4196	No trend	0.6064
TF4.2	MARGALEF	Winter	BP	2.16	-0.02	-13.89	-0.30	0.2994	No trend	0.6341
TF4.2	N_GENERA	Winter	AP	27.00	0.00	0.00	0.00	0.8155	No trend	0.5969

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
TF4.2	N_GENERA	Winter	BP	28.00	0.00	0.00	0.00	0.9381	No trend	0.4829
TF4.2	N_SP	Winter	AP	30.00	-0.13	-6.50	-1.95	0.7570	No trend	0.6156
TF4.2	N_SP	Winter	BP	32.00	-0.13	-6.09	-1.95	0.5860	No trend	0.7332
TF4.2	PROCAR_C	Winter	AP	0.02	0.00	0.00	0.00	0.0039	No change	0.5111
TF4.2	PROCAR_C	Winter	BP	0.00	0.00		0.00	0.0155	No change	0.7419
TF4.2	PROCARY	Winter	AP	0.04	0.05	1875.00	0.75	0.0006	Degrading	0.8672
TF4.2	PROCARY	Winter	BP	0.07	0.03	642.86	0.45	0.0100	Degrading	0.7542
TF4.2	RATIO	Winter	AP	31.55	-0.59	-28.05	-8.85	0.7294	No trend	0.7565
TF4.2	RATIO	Winter	BP	36.96	-1.47	-59.66	-22.05	0.1550	No trend	0.6077
TF4.2	SHANNON	Winter	AP	2.74	0.00	0.00	0.00	0.8476	No trend	0.8611
TF4.2	SHANNON	Winter	BP	2.46	0.01	6.10	0.15	0.6173	No trend	0.5229
TF4.2	TOTABUND	Winter	AP	1727606	207534	180	3113011	0.0597	No trend	0.8792
TF4.2	TOTABUND	Winter	BP	1861270	326687	263	4900311	0.0100	Increasing	0.4343
TF4.2	TOTBMASS	Winter	AP	52847729	7313065	208	109695982	0.0984	No trend	0.5706
TF4.2	TOTBMASS	Winter	BP	55093811	8368793	228	125531894	0.0191	Increasing	0.6777
RET4.3	CHLORO	Annual	AP	128	24263	303289	388210	<0.0001	Improving	0.7586
RET4.3	CHLORO	Annual	BP	27450	17249	1005	275978	<0.0001	Improving	0.1639
RET4.3	CHLORO_C	Annual	AP	1404	672812	766650	10764993	<0.0001	Improving	0.7846
RET4.3	CHLORO_C	Annual	BP	384126	425638	1773	6810216	<0.0001	Improving	0.2647
RET4.3	CRYPTO	Annual	AP	902861	60363	107	965805	<0.0001	Increasing	0.7552
RET4.3	CRYPTO	Annual	BP	663591	66820	161	1069117	<0.0001	Increasing	0.9362
RET4.3	CRYPTO_C	Annual	AP	21677693	1449311	107	23188970	<0.0001	Increasing	0.7552
RET4.3	CRYPTO_C	Annual	BP	15932808	1604343	161	25669496	<0.0001	Increasing	0.9342
RET4.3	CYANO	Annual	AP	225884	63194	448	1011102	<0.0001	Degrading	0.9710
RET4.3	CYANO	Annual	BP	163902	69567	679	1113070	<0.0001	Degrading	0.9971
RET4.3	CYANO_C	Annual	AP	1821944	387902	341	6206428	<0.0001	Degrading	0.8868
RET4.3	CYANO_C	Annual	BP	1684269	406808	386	6508926	<0.0001	Degrading	0.7664
RET4.3	DIATOM	Annual	AP	4502231	217263	77	3476200	<0.0001	Improving	0.7881
RET4.3	DIATOM	Annual	BP	5551004	400032	115	6400517	<0.0001	Improving	0.9173
RET4.3	DIATOM_C	Annual	AP	185043140	12995487	112	207927784	<0.0001	Improving	0.8000
RET4.3	DIATOM_C	Annual	BP	316044455	23382232	118	374115718	<0.0001	Improving	0.4254
RET4.3	DINOFL_C	Annual	AP	26331560	347364	21	5557828	0.1347	No trend	0.9236
RET4.3	DINOFL_C	Annual	BP	3546215	680	0	10877	0.6816	No trend	0.6193
RET4.3	DINOFLG	Annual	AP	175108	-59	-1	-942	0.8791	No trend	0.8946
RET4.3	DINOFLG	Annual	BP	99917	-536	-9	-8577	0.1781	No trend	0.5530
RET4.3	EVENNESS	Annual	AP	0.53	0.00	0.00	0.00	0.3356	No trend	0.1299
RET4.3	EVENNESS	Annual	BP	0.56	0.00	0.00	0.00	0.4590	No trend	0.0661
RET4.3	MARGALEF	Annual	AP	1.57	0.00	0.00	0.00	0.6302	No trend	0.0850
RET4.3	MARGALEF	Annual	BP	1.70	-0.01	-9.41	-0.16	0.2722	No trend	0.6759
RET4.3	N_GENERA	Annual	AP	23.50	0.16	10.89	2.56	0.0510	No trend	0.0344
RET4.3	N_GENERA	Annual	BP	25.50	0.00	0.00	0.00	0.3150	No trend	0.5244
RET4.3	N_SP	Annual	AP	26.50	0.14	8.45	2.24	0.2073	No trend	0.0457
RET4.3	N_SP	Annual	BP	29.00	0.00	0.00	0.00	0.7875	No trend	0.6234
RET4.3	PROCAR_C	Annual	AP	0.01	0.00	0.00	0.00	0.0030	No change	0.7050
RET4.3	PROCAR_C	Annual	BP	0.00	0.00		0.00	0.0201	No change	0.4834
RET4.3	PROCARY	Annual	AP	0.05	0.00	0.00	0.00	<0.0001	No change	0.7962
RET4.3	PROCARY	Annual	BP	0.03	0.01	533.33	0.16	<0.0001	Degrading	0.9655
RET4.3	RATIO	Annual	AP	33.14	0.55	26.55	8.80	0.0401	Improving	0.9527
RET4.3	RATIO	Annual	BP	33.45	0.47	22.48	7.52	0.0781	No trend	0.5274
RET4.3	SHANNON	Annual	AP	2.43	0.02	13.17	0.32	0.0720	No trend	0.0212
RET4.3	SHANNON	Annual	BP	2.59	0.00	0.00	0.00	0.6828	No trend	0.0803
RET4.3	TOTABUND	Annual	AP	7856296	437975	89	7007596	<0.0001	Increasing	0.9529
RET4.3	TOTABUND	Annual	BP	8105578	688546	136	11016738	<0.0001	Increasing	0.9574
RET4.3	TOTBMASS	Annual	AP	360139958	20139097	89	322225550	<0.0001	Increasing	0.9678
RET4.3	TOTBMASS	Annual	BP	414392381	29108522	112	465736350	<0.0001	Increasing	0.6157
RET4.3	CHLORO	Fall	AP	128	21669	270868	346711	<0.0001	Improving	0.7348
RET4.3	CHLORO	Fall	BP	50294	6868	219	109896	0.0271	Improving	0.8693
RET4.3	CHLORO_C	Fall	AP	1404	516649	588706	8266377	<0.0001	Improving	0.5621
RET4.3	CHLORO_C	Fall	BP	779526	129845	267	2077523	0.0182	Improving	0.8060
RET4.3	CRYPTO	Fall	AP	1079572	68650	102	1098402	0.0494	Increasing	0.1992

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
RET4.3	CRYPTO	Fall	BP	663591	59010	142	944163	0.0697	No trend	0.5275
RET4.3	CRYPTO_C	Fall	AP	25920512	1648290	102	26372632	0.0494	Increasing	0.1992
RET4.3	CRYPTO_C	Fall	BP	15932808	1416834	142	22669352	0.0697	No trend	0.5275
RET4.3	CYANO	Fall	AP	625391	107964	276	1727420	0.0118	Degrading	0.7985
RET4.3	CYANO	Fall	BP	378730	30740	130	491841	0.0088	Degrading	0.9239
RET4.3	CYANO_C	Fall	AP	9335945	412457	71	6599311	0.0389	Degrading	0.8331
RET4.3	CYANO_C	Fall	BP	2123253	166247	125	2659956	0.0303	Degrading	0.6315
RET4.3	DIATOM	Fall	AP	2207451	283796	206	4540740	0.0005	Improving	0.7020
RET4.3	DIATOM	Fall	BP	1511130	298367	316	4773878	0.0001	Improving	0.7960
RET4.3	DIATOM_C	Fall	AP	40532697	17820455	703	285127280	0.0001	Improving	0.4021
RET4.3	DIATOM_C	Fall	BP	34355963	21510296	1002	344164736	<0.0001	Improving	0.6539
RET4.3	DINOFL_C	Fall	AP	3004831	320575	171	5129203	0.3512	No trend	0.4577
RET4.3	DINOFL_C	Fall	BP	1700782	61422	58	982755	0.3470	No trend	0.2900
RET4.3	DINOFLG	Fall	AP	47676	1185	40	18965	0.5967	No trend	0.6336
RET4.3	DINOFLG	Fall	BP	62659	-1780	-45	-28475	0.2126	No trend	0.2968
RET4.3	EVENNESS	Fall	AP	0.56	0.00	0.00	0.00	0.9197	No trend	0.5884
RET4.3	EVENNESS	Fall	BP	0.57	0.00	0.00	0.00	0.7243	No trend	0.8878
RET4.3	MARGALEF	Fall	AP	1.35	0.01	11.85	0.16	0.0964	No trend	0.9546
RET4.3	MARGALEF	Fall	BP	1.76	0.00	0.00	0.00	0.8011	No trend	0.1538
RET4.3	N_GENERA	Fall	AP	20.50	0.33	25.76	5.28	0.0301	Improving	0.7926
RET4.3	N_GENERA	Fall	BP	25.00	0.15	9.60	2.40	0.2333	No trend	0.1895
RET4.3	N_SP	Fall	AP	22.00	0.33	24.00	5.28	0.0314	Improving	0.8920
RET4.3	N_SP	Fall	BP	27.50	0.17	9.89	2.72	0.4031	No trend	0.1720
RET4.3	PROCAR_C	Fall	AP	0.06	0.00	0.00	0.00	0.8011	No trend	0.7704
RET4.3	PROCAR_C	Fall	BP	0.02	0.00	0.00	0.00	0.7243	No trend	0.6131
RET4.3	PROCARY	Fall	AP	0.34	0.00	0.00	0.00	0.4498	No trend	0.9152
RET4.3	PROCARY	Fall	BP	0.09	0.00	0.00	0.00	0.1902	No trend	0.9844
RET4.3	RATIO	Fall	AP	23.80	0.89	59.83	14.24	0.0779	No trend	0.9681
RET4.3	RATIO	Fall	BP	27.05	1.07	63.29	17.12	0.0439	Improving	0.3626
RET4.3	SHANNON	Fall	AP	2.40	0.02	13.33	0.32	0.1584	No trend	0.5840
RET4.3	SHANNON	Fall	BP	2.62	0.00	0.00	0.00	0.8403	No trend	0.2942
RET4.3	TOTABUND	Fall	AP	4175816	504283	193	8068526	0.0009	Increasing	0.6109
RET4.3	TOTABUND	Fall	BP	3142666	390224	199	6243587	0.0011	Increasing	0.6558
RET4.3	TOTBMASS	Fall	AP	96109439	23203335	386	371253362	0.0009	Increasing	0.7657
RET4.3	TOTBMASS	Fall	BP	69788343	25933627	595	414938026	0.0001	Increasing	0.5184
RET4.3	CHLORO	SAV1	AP	0	23306		372892	<0.0001	Improving	0.8358
RET4.3	CHLORO	SAV1	BP	47524	10825	364	173206	0.0001	Improving	0.0507
RET4.3	CHLORO_C	SAV1	AP	0	726247		11619959	<0.0001	Improving	0.7652
RET4.3	CHLORO_C	SAV1	BP	831048	265546	511	4248729	<0.0001	Improving	0.0876
RET4.3	CRYPTO	SAV1	AP	750318	73003	156	1168051	<0.0001	Increasing	0.5225
RET4.3	CRYPTO	SAV1	BP	672591	65694	156	1051110	0.0011	Increasing	0.7955
RET4.3	CRYPTO_C	SAV1	AP	18015135	1752806	156	28044896	<0.0001	Increasing	0.5225
RET4.3	CRYPTO_C	SAV1	BP	16148898	1577321	156	25237141	0.0010	Increasing	0.7868
RET4.3	CYANO	SAV1	AP	381557	52723	221	843575	<0.0001	Degrading	0.9118
RET4.3	CYANO	SAV1	BP	274785	56114	327	897830	<0.0001	Degrading	0.9147
RET4.3	CYANO_C	SAV1	AP	1292367	345047	427	5520752	<0.0001	Degrading	0.5825
RET4.3	CYANO_C	SAV1	BP	1972959	320442	260	5127076	0.0002	Degrading	0.6624
RET4.3	DIATOM	SAV1	AP	4502231	211809	75	3388936	0.0052	Improving	0.8440
RET4.3	DIATOM	SAV1	BP	4931616	359135	117	5746162	0.0001	Improving	0.7493
RET4.3	DIATOM_C	SAV1	AP	122992779	13028293	169	208452686	0.0006	Improving	0.9719
RET4.3	DIATOM_C	SAV1	BP	242952776	22889728	151	366235642	<0.0001	Improving	0.5244
RET4.3	DINOFL_C	SAV1	AP	8654128	604878	112	9678052	0.0680	No trend	0.8855
RET4.3	DINOFL_C	SAV1	BP	8392980	-18868	-4	-301883	0.4333	No trend	0.8481
RET4.3	DINOFLG	SAV1	AP	95158	905	15	14478	0.6451	No trend	0.9653
RET4.3	DINOFLG	SAV1	BP	69997	-1636	-37	-26171	0.0911	No trend	0.6902
RET4.3	EVENNESS	SAV1	AP	0.49	0.00	0.00	0.00	0.2752	No trend	0.2148
RET4.3	EVENNESS	SAV1	BP	0.56	0.00	0.00	0.00	0.0969	No trend	0.0632
RET4.3	MARGALEF	SAV1	AP	1.50	0.02	21.33	0.32	0.0291	Improving	0.6352
RET4.3	MARGALEF	SAV1	BP	1.70	-0.01	-9.41	-0.16	0.1665	No trend	0.7014
RET4.3	N_GENERA	SAV1	AP	23.00	0.33	22.96	5.28	0.0012	Improving	0.3670

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
RET4.3	N_GENERA	SAV1	BP	25.50	0.00	0.00	0.00	0.7533	No trend	0.7336
RET4.3	N_SP	SAV1	AP	25.00	0.37	23.68	5.92	0.0049	Improving	0.5323
RET4.3	N_SP	SAV1	BP	27.50	0.00	0.00	0.00	0.8756	No trend	0.7252
RET4.3	PROCAR_C	SAV1	AP	0.01	0.00	0.00	0.00	0.0147	No change	0.3722
RET4.3	PROCAR_C	SAV1	BP	0.01	0.00	0.00	0.00	0.1115	No trend	0.3030
RET4.3	PROCARY	SAV1	AP	0.06	0.00	0.00	0.00	0.0020	No change	0.4173
RET4.3	PROCARY	SAV1	BP	0.06	0.00	0.00	0.00	0.0056	No change	0.7263
RET4.3	RATIO	SAV1	AP	23.80	0.51	34.29	8.16	0.0820	No trend	0.9568
RET4.3	RATIO	SAV1	BP	29.18	0.41	22.48	6.56	0.2684	No trend	0.3995
RET4.3	SHANNON	SAV1	AP	2.31	0.03	20.78	0.48	0.0105	Improving	0.2056
RET4.3	SHANNON	SAV1	BP	2.63	0.01	6.08	0.16	0.4263	No trend	0.0373
RET4.3	TOTABUND	SAV1	AP	8339663	379362	73	6069795	0.0105	Increasing	0.9330
RET4.3	TOTABUND	SAV1	BP	9408893	599037	102	9584591	<0.0001	Increasing	0.7358
RET4.3	TOTBMASS	SAV1	AP	236093704	18782018	127	300512283	0.0021	Increasing	0.9009
RET4.3	TOTBMASS	SAV1	BP	323900170	26484657	131	423754507	0.0001	Increasing	0.5476
RET4.3	CHLORO	SAV2	AP	15065	26766	2843	428253	<0.0001	Improving	0.8000
RET4.3	CHLORO	SAV2	BP	1536	20383	21232	326124	<0.0001	Improving	0.0457
RET4.3	CHLORO_C	SAV2	AP	178419	780082	6996	12481315	<0.0001	Improving	0.6131
RET4.3	CHLORO_C	SAV2	BP	10071	564969	89757	9039504	<0.0001	Improving	0.0721
RET4.3	CRYPTO	SAV2	AP	1030485	52879	82	846071	0.0027	Increasing	0.7007
RET4.3	CRYPTO	SAV2	BP	873677	61488	113	983815	0.0003	Increasing	0.7372
RET4.3	CRYPTO_C	SAV2	AP	24741945	1269635	82	20314154	0.0027	Increasing	0.7007
RET4.3	CRYPTO_C	SAV2	BP	20976985	1476337	113	23621395	0.0003	Increasing	0.7372
RET4.3	CYANO	SAV2	AP	283829	89280	503	1428475	<0.0001	Degrading	0.8778
RET4.3	CYANO	SAV2	BP	146504	102219	1116	1635508	<0.0001	Degrading	0.9710
RET4.3	CYANO_C	SAV2	AP	1821944	641313	563	10261002	<0.0001	Degrading	0.8980
RET4.3	CYANO_C	SAV2	BP	1533975	685989	716	10975823	<0.0001	Degrading	0.4962
RET4.3	DIATOM	SAV2	AP	5555552	242808	70	3884924	0.0033	Improving	0.9345
RET4.3	DIATOM	SAV2	BP	6361726	461195	116	7379123	<0.0001	Improving	0.8052
RET4.3	DIATOM_C	SAV2	AP	185043140	11279537	98	180472590	0.0027	Improving	0.9818
RET4.3	DIATOM_C	SAV2	BP	321142232	27589432	137	441430912	<0.0001	Improving	0.7955
RET4.3	DINOFL_C	SAV2	AP	26331560	333206	20	5331304	0.3090	No trend	0.7596
RET4.3	DINOFL_C	SAV2	BP	3546215	0	0	0	1.0000	No trend	0.4206
RET4.3	DINOFLG	SAV2	AP	175108	-192	-2	-3074	0.8337	No trend	0.6628
RET4.3	DINOFLG	SAV2	BP	76346	-74	-2	-1182	0.4313	No trend	0.3850
RET4.3	EVENNESS	SAV2	AP	0.53	0.00	0.00	0.00	0.6513	No trend	0.1749
RET4.3	EVENNESS	SAV2	BP	0.56	0.00	0.00	0.00	0.7437	No trend	0.0078
RET4.3	MARGALEF	SAV2	AP	1.55	0.00	0.00	0.00	1.0000	No trend	0.2485
RET4.3	MARGALEF	SAV2	BP	1.67	-0.01	-9.58	-0.16	0.0624	No trend	0.7231
RET4.3	N_GENERA	SAV2	AP	23.50	0.14	9.53	2.24	0.1531	No trend	0.1838
RET4.3	N_GENERA	SAV2	BP	24.50	0.00	0.00	0.00	0.8302	No trend	0.3699
RET4.3	N_SP	SAV2	AP	26.50	0.00	0.00	0.00	0.5810	No trend	0.1972
RET4.3	N_SP	SAV2	BP	27.00	0.00	0.00	0.00	0.5318	No trend	0.5451
RET4.3	PROCAR_C	SAV2	AP	0.01	0.00	0.00	0.00	0.0184	No change	0.7995
RET4.3	PROCAR_C	SAV2	BP	0.00	0.00		0.00	0.0890	No trend	0.5233
RET4.3	PROCARY	SAV2	AP	0.04	0.01	400.00	0.16	0.0009	Degrading	0.7299
RET4.3	PROCARY	SAV2	BP	0.01	0.01	1600.00	0.16	0.0008	Degrading	0.8406
RET4.3	RATIO	SAV2	AP	32.44	0.31	15.29	4.96	0.2451	No trend	0.8967
RET4.3	RATIO	SAV2	BP	36.59	0.44	19.24	7.04	0.1165	No trend	0.6823
RET4.3	SHANNON	SAV2	AP	2.47	0.00	0.00	0.00	1.0000	No trend	0.0198
RET4.3	SHANNON	SAV2	BP	2.62	0.00	0.00	0.00	0.7936	No trend	0.0113
RET4.3	TOTABUND	SAV2	AP	8389160	453294	86	7252706	0.0022	Increasing	0.9355
RET4.3	TOTABUND	SAV2	BP	10586239	794823	120	12717170	<0.0001	Increasing	0.7646
RET4.3	TOTBMASS	SAV2	AP	368232285	17816851	77	285069616	0.0030	Increasing	0.9463
RET4.3	TOTBMASS	SAV2	BP	453749080	31961954	113	511391262	<0.0001	Increasing	0.8661
RET4.3	CHLORO	Spring1	AP	0	30554		488870	<0.0001	Improving	0.5320
RET4.3	CHLORO	Spring1	BP	23655	33522	2267	536351	<0.0001	Improving	0.0779
RET4.3	CHLORO_C	Spring1	AP	0	890500		14248008	0.0001	Improving	0.5478
RET4.3	CHLORO_C	Spring1	BP	510261	1070273	3356	17124362	<0.0001	Improving	0.1816
RET4.3	CRYPTO	Spring1	AP	935680	66663	114	1066612	0.0020	Increasing	0.8890

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
RET4.3	CRYPTO	Spring1	BP	661695	101804	246	1628859	0.0009	Increasing	0.9435
RET4.3	CRYPTO_C	Spring1	AP	22465665	1600585	114	25609357	0.0020	Increasing	0.8890
RET4.3	CRYPTO_C	Spring1	BP	15887285	2444306	246	39108893	0.0007	Increasing	0.9632
RET4.3	CYANO	Spring1	AP	57360	36041	1005	576653	0.0002	Degrading	0.9585
RET4.3	CYANO	Spring1	BP	63591	76852	1934	1229635	0.0002	Degrading	0.9197
RET4.3	CYANO_C	Spring1	AP	480354	280602	935	4489632	0.0001	Degrading	0.6254
RET4.3	CYANO_C	Spring1	BP	981316	499275	814	7988397	0.0005	Degrading	0.9794
RET4.3	DIATOM	Spring1	AP	4502231	195530	69	3128487	0.0707	No trend	0.6375
RET4.3	DIATOM	Spring1	BP	4931616	455086	148	7281376	0.0062	Improving	0.5216
RET4.3	DIATOM_C	Spring1	AP	122992779	14217293	185	227476690	0.0089	Improving	0.9977
RET4.3	DIATOM_C	Spring1	BP	353925980	25651392	116	410422266	0.0033	Improving	0.1816
RET4.3	DINOFL_C	Spring1	AP	85899159	1007881	19	16126104	0.4051	No trend	0.8153
RET4.3	DINOFL_C	Spring1	BP	36865498	-77446	-3	-1239130	0.4045	No trend	0.6019
RET4.3	DINOFLG	Spring1	AP	879819	-1026	-2	-16422	0.8677	No trend	0.9660
RET4.3	DINOFLG	Spring1	BP	229925	-1897	-13	-30353	0.4327	No trend	0.5986
RET4.3	EVENNESS	Spring1	AP	0.44	0.01	36.36	0.16	0.0636	No trend	0.1058
RET4.3	EVENNESS	Spring1	BP	0.56	0.01	28.57	0.16	0.0012	Improving	0.4437
RET4.3	MARGALEF	Spring1	AP	1.61	0.02	19.88	0.32	0.0457	Improving	0.3133
RET4.3	MARGALEF	Spring1	BP	1.70	-0.01	-9.41	-0.16	0.3786	No trend	0.6030
RET4.3	N_GENERA	Spring1	AP	23.00	0.50	34.78	8.00	0.0019	Improving	0.3239
RET4.3	N_GENERA	Spring1	BP	25.50	0.00	0.00	0.00	0.4723	No trend	0.5840
RET4.3	N_SP	Spring1	AP	26.00	0.50	30.77	8.00	0.0103	Improving	0.3295
RET4.3	N_SP	Spring1	BP	27.50	0.00	0.00	0.00	0.7677	No trend	0.5672
RET4.3	PROCAR_C	Spring1	AP	0.00	0.00		0.00	0.0018	No change	0.6227
RET4.3	PROCAR_C	Spring1	BP	0.00	0.00		0.00	0.0082	No change	0.7335
RET4.3	PROCARY	Spring1	AP	0.01	0.00	0.00	0.00	0.0003	No change	0.8047
RET4.3	PROCARY	Spring1	BP	0.00	0.01		0.16	0.0028	Degrading	0.8035
RET4.3	RATIO	Spring1	AP	39.09	0.34	13.92	5.44	0.5363	No trend	0.9073
RET4.3	RATIO	Spring1	BP	62.89	0.04	1.02	0.64	0.9610	No trend	0.1527
RET4.3	SHANNON	Spring1	AP	2.05	0.05	39.02	0.80	0.0050	Improving	0.1285
RET4.3	SHANNON	Spring1	BP	2.65	0.04	24.15	0.64	0.0165	Improving	0.2233
RET4.3	TOTABUND	Spring1	AP	7672078	374833	78	5997326	0.0960	No trend	0.9323
RET4.3	TOTABUND	Spring1	BP	9603468	746579	124	11945272	0.0006	Increasing	0.4099
RET4.3	TOTBMASS	Spring1	AP	385920530	19897288	82	318356608	0.0512	No trend	0.6640
RET4.3	TOTBMASS	Spring1	BP	469693090	32855251	112	525684008	0.0145	Increasing	0.1717
RET4.3	CHLORO	Spring2	AP	15065	38686	4109	618970	<0.0001	Improving	0.5447
RET4.3	CHLORO	Spring2	BP	896	59848	106871	957562	<0.0001	Improving	0.9815
RET4.3	CHLORO_C	Spring2	AP	178419	888705	7970	14219274	0.0001	Improving	0.4677
RET4.3	CHLORO_C	Spring2	BP	5807	2213497	609846	35415949	<0.0001	Improving	0.9604
RET4.3	CRYPTO	Spring2	AP	935680	54020	92	864326	0.0245	Increasing	0.6251
RET4.3	CRYPTO	Spring2	BP	624845	103583	265	1657326	0.0011	Increasing	0.9091
RET4.3	CRYPTO_C	Spring2	AP	22465665	1297030	92	20752476	0.0245	Increasing	0.6251
RET4.3	CRYPTO_C	Spring2	BP	15002528	2487025	265	39792400	0.0011	Increasing	0.9091
RET4.3	CYANO	Spring2	AP	57472	59633	1660	954122	0.0001	Degrading	0.9226
RET4.3	CYANO	Spring2	BP	91239	100466	1762	1607450	0.0004	Degrading	0.9803
RET4.3	CYANO_C	Spring2	AP	641815	425979	1062	6815661	0.0002	Degrading	0.7776
RET4.3	CYANO_C	Spring2	BP	1533975	656949	685	10511187	0.0002	Degrading	0.8189
RET4.3	DIATOM	Spring2	AP	4422012	181186	66	2898970	0.1561	No trend	0.9103
RET4.3	DIATOM	Spring2	BP	5710246	450890	126	7214233	0.0041	Improving	0.5466
RET4.3	DIATOM_C	Spring2	AP	122992779	12116782	158	193868510	0.0189	Improving	0.9475
RET4.3	DIATOM_C	Spring2	BP	313363566	37690308	192	603044934	0.0002	Improving	0.4801
RET4.3	DINOFL_C	Spring2	AP	28645503	1437476	80	22999609	0.2502	No trend	0.7973
RET4.3	DINOFL_C	Spring2	BP	16471206	0	0	0	0.8995	No trend	0.1432
RET4.3	DINOFLG	Spring2	AP	191681	5419	45	86702	0.5737	No trend	0.5198
RET4.3	DINOFLG	Spring2	BP	100749	0	0	0	0.9396	No trend	0.3403
RET4.3	EVENNESS	Spring2	AP	0.44	0.00	0.00	0.00	0.2819	No trend	0.1958
RET4.3	EVENNESS	Spring2	BP	0.56	0.01	28.57	0.16	0.0056	Improving	0.1506
RET4.3	MARGALEF	Spring2	AP	1.61	0.01	9.94	0.16	0.3044	No trend	0.2703
RET4.3	MARGALEF	Spring2	BP	1.50	0.00	0.00	0.00	0.6869	No trend	0.3193
RET4.3	N_GENERA	Spring2	AP	23.50	0.33	22.47	5.28	0.0160	Improving	0.2297

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
RET4.3	N_GENERA	Spring2	BP	22.50	0.13	9.24	2.08	0.0824	No trend	0.3872
RET4.3	N_SP	Spring2	AP	26.50	0.25	15.09	4.00	0.1262	No trend	0.2106
RET4.3	N_SP	Spring2	BP	23.50	0.09	6.13	1.44	0.4017	No trend	0.3569
RET4.3	PROCAR_C	Spring2	AP	0.00	0.00		0.00	0.0399	No change	0.6276
RET4.3	PROCAR_C	Spring2	BP	0.00	0.00		0.00	0.0777	No trend	0.7826
RET4.3	PROCARY	Spring2	AP	0.01	0.01	1600.00	0.16	0.0006	Degrading	0.8439
RET4.3	PROCARY	Spring2	BP	0.01	0.01	1600.00	0.16	0.0065	Degrading	0.9399
RET4.3	RATIO	Spring2	AP	38.75	0.67	27.66	10.72	0.3527	No trend	0.9983
RET4.3	RATIO	Spring2	BP	59.84	0.47	12.57	7.52	0.4806	No trend	0.3259
RET4.3	SHANNON	Spring2	AP	2.10	0.04	30.48	0.64	0.0449	Improving	0.1375
RET4.3	SHANNON	Spring2	BP	2.62	0.04	24.43	0.64	0.0118	Improving	0.2539
RET4.3	TOTABUND	Spring2	AP	6703947	367109	88	5873744	0.0504	No trend	0.7551
RET4.3	TOTABUND	Spring2	BP	8786555	762622	139	12201954	0.0001	Increasing	0.4232
RET4.3	TOTBMASS	Spring2	AP	249738342	26361828	169	421789242	0.0245	Increasing	0.5331
RET4.3	TOTBMASS	Spring2	BP	406821018	43814081	172	701025290	0.0004	Increasing	0.3262
RET4.3	CHLORO	Summer1	AP	29350	27187	1482	434995	<0.0001	Improving	0.5259
RET4.3	CHLORO	Summer1	BP	384	20579	85747	329269	0.0003	Improving	0.0582
RET4.3	CHLORO_C	Summer1	AP	515615	904230	2806	14467679	<0.0001	Improving	0.4757
RET4.3	CHLORO_C	Summer1	BP	2484	666020	428915	10656312	<0.0001	Improving	0.0779
RET4.3	CRYPTO	Summer1	AP	900639	59938	106	959006	0.0198	Increasing	0.5962
RET4.3	CRYPTO	Summer1	BP	879207	49213	90	787412	0.0176	Increasing	0.5823
RET4.3	CRYPTO_C	Summer1	AP	21624330	1439108	106	23025734	0.0198	Increasing	0.5962
RET4.3	CRYPTO_C	Summer1	BP	21109748	1181611	90	18905775	0.0176	Increasing	0.5823
RET4.3	CYANO	Summer1	AP	437528	117614	430	1881828	0.0017	Degrading	0.6094
RET4.3	CYANO	Summer1	BP	149811	153021	1634	2448333	0.0003	Degrading	0.7420
RET4.3	CYANO_C	Summer1	AP	4785685	1164247	389	18627951	0.0015	Degrading	0.6150
RET4.3	CYANO_C	Summer1	BP	1874771	1049306	896	16788893	0.0002	Degrading	0.1692
RET4.3	DIATOM	Summer1	AP	7276362	327953	72	5247251	0.0176	Improving	0.8031
RET4.3	DIATOM	Summer1	BP	11978649	630026	84	10080412	0.0095	Improving	0.9067
RET4.3	DIATOM_C	Summer1	AP	310061415	7172741	37	114763863	0.1038	No trend	0.9789
RET4.3	DIATOM_C	Summer1	BP	459793378	31440922	109	503054757	0.0013	Improving	0.9468
RET4.3	DINOFL_C	Summer1	AP	33791860	306987	15	4911787	0.5237	No trend	0.4057
RET4.3	DINOFL_C	Summer1	BP	3546215	59399	27	950390	0.5968	No trend	0.2962
RET4.3	DINOFLG	Summer1	AP	248080	-998	-6	-15974	0.7415	No trend	0.2767
RET4.3	DINOFLG	Summer1	BP	92935	-44	-1	-705	0.6916	No trend	0.1553
RET4.3	EVENNESS	Summer1	AP	0.54	0.00	0.00	0.00	0.2530	No trend	0.2867
RET4.3	EVENNESS	Summer1	BP	0.57	0.00	0.00	0.00	0.1038	No trend	0.3649
RET4.3	MARGALEF	Summer1	AP	1.77	-0.02	-18.08	-0.32	0.1729	No trend	0.6207
RET4.3	MARGALEF	Summer1	BP	1.71	-0.01	-9.36	-0.16	0.2913	No trend	0.4959
RET4.3	N_GENERA	Summer1	AP	26.50	-0.07	-4.23	-1.12	0.7076	No trend	0.6684
RET4.3	N_GENERA	Summer1	BP	25.50	0.00	0.00	0.00	1.0000	No trend	0.2055
RET4.3	N_SP	Summer1	AP	29.50	-0.22	-11.93	-3.52	0.2697	No trend	0.7107
RET4.3	N_SP	Summer1	BP	29.00	-0.10	-5.52	-1.60	0.6426	No trend	0.3577
RET4.3	PROCAR_C	Summer1	AP	0.01	0.00	0.00	0.00	0.2023	No trend	0.6228
RET4.3	PROCAR_C	Summer1	BP	0.00	0.00		0.00	0.3119	No trend	0.2796
RET4.3	PROCARY	Summer1	AP	0.05	0.01	320.00	0.16	0.0348	Degrading	0.6539
RET4.3	PROCARY	Summer1	BP	0.01	0.01	1600.00	0.16	0.0073	Degrading	0.5290
RET4.3	RATIO	Summer1	AP	35.01	0.19	8.68	3.04	0.5676	No trend	0.5837
RET4.3	RATIO	Summer1	BP	39.52	0.43	17.41	6.88	0.2352	No trend	0.5963
RET4.3	SHANNON	Summer1	AP	2.71	-0.02	-11.81	-0.32	0.1468	No trend	0.1412
RET4.3	SHANNON	Summer1	BP	2.60	-0.02	-12.31	-0.32	0.0648	No trend	0.3795
RET4.3	TOTABUND	Summer1	AP	13608090	610111	72	9761783	0.0108	Increasing	0.6912
RET4.3	TOTABUND	Summer1	BP	13539829	994204	117	15907265	0.0002	Increasing	0.7405
RET4.3	TOTBMASS	Summer1	AP	449273393	18757370	67	300117923	0.0279	Increasing	0.8434
RET4.3	TOTBMASS	Summer1	BP	506872312	36351080	115	581617277	0.0002	Increasing	0.9598
RET4.3	CHLORO	Summer2	AP	42480	18239	687	291821	0.0013	Improving	0.5228
RET4.3	CHLORO	Summer2	BP	15008	7987	852	127797	0.0380	Improving	0.2104
RET4.3	CHLORO_C	Summer2	AP	601757	865363	2301	13845810	<0.0001	Improving	0.2970
RET4.3	CHLORO_C	Summer2	BP	327535	343657	1679	5498506	0.0099	Improving	0.2049
RET4.3	CRYPTO	Summer2	AP	842840	63636	121	1018169	0.0179	Increasing	0.4945

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
RET4.3	CRYPTO	Summer2	BP	879207	38398	70	614360	0.0623	No trend	0.4065
RET4.3	CRYPTO_C	Summer2	AP	20236588	1527890	121	24446241	0.0179	Increasing	0.4945
RET4.3	CRYPTO_C	Summer2	BP	21109748	921924	70	14750785	0.0623	No trend	0.4065
RET4.3	CYANO	Summer2	AP	784050	121881	249	1950090	0.0284	Degrading	0.7183
RET4.3	CYANO	Summer2	BP	133478	142515	1708	2280244	0.0030	Degrading	0.5727
RET4.3	CYANO_C	Summer2	AP	7621253	1228235	258	19651753	0.0266	Degrading	0.7112
RET4.3	CYANO_C	Summer2	BP	1563481	872144	893	13954310	0.0048	Degrading	0.1192
RET4.3	DIATOM	Summer2	AP	8683391	369002	68	5904026	0.0389	Improving	0.6094
RET4.3	DIATOM	Summer2	BP	13834289	670269	78	10724296	0.0344	Improving	0.7835
RET4.3	DIATOM_C	Summer2	AP	310061415	6676160	34	106818555	0.2079	No trend	0.9506
RET4.3	DIATOM_C	Summer2	BP	459793378	25195805	88	403132880	0.0102	Improving	0.9161
RET4.3	DINOFL_C	Summer2	AP	31292685	43134	2	690143	0.8206	No trend	0.2975
RET4.3	DINOFL_C	Summer2	BP	5265907	-1186	-0	-18980	0.8201	No trend	0.4154
RET4.3	DINOFLG	Summer2	AP	360158	-4205	-19	-67287	0.2786	No trend	0.5712
RET4.3	DINOFLG	Summer2	BP	76346	-461	-10	-7373	0.3498	No trend	0.1513
RET4.3	EVENNESS	Summer2	AP	0.54	0.00	0.00	0.00	0.0964	No trend	0.4066
RET4.3	EVENNESS	Summer2	BP	0.54	0.00	0.00	0.00	0.0556	No trend	0.3518
RET4.3	MARGALEF	Summer2	AP	1.72	-0.02	-18.60	-0.32	0.1307	No trend	0.5270
RET4.3	MARGALEF	Summer2	BP	1.84	-0.03	-26.09	-0.48	0.0964	No trend	0.9813
RET4.3	N_GENERA	Summer2	AP	26.50	-0.13	-7.85	-2.08	0.4183	No trend	0.7565
RET4.3	N_GENERA	Summer2	BP	26.50	-0.21	-12.68	-3.36	0.2992	No trend	0.9753
RET4.3	N_SP	Summer2	AP	29.50	-0.32	-17.36	-5.12	0.2063	No trend	0.6209
RET4.3	N_SP	Summer2	BP	31.00	-0.37	-19.10	-5.92	0.2061	No trend	0.9661
RET4.3	PROCAR_C	Summer2	AP	0.01	0.00	0.00	0.00	0.2466	No trend	0.4178
RET4.3	PROCAR_C	Summer2	BP	0.00	0.00		0.00	0.3918	No trend	0.1468
RET4.3	PROCARY	Summer2	AP	0.05	0.00	0.00	0.00	0.1902	No trend	0.7728
RET4.3	PROCARY	Summer2	BP	0.01	0.01	1600.00	0.16	0.0389	Degrading	0.3737
RET4.3	RATIO	Summer2	AP	33.14	0.14	6.76	2.24	0.7243	No trend	0.3977
RET4.3	RATIO	Summer2	BP	33.76	0.45	21.33	7.20	0.1902	No trend	0.4555
RET4.3	SHANNON	Summer2	AP	2.71	-0.03	-17.71	-0.48	0.0389	Degrading	0.2731
RET4.3	SHANNON	Summer2	BP	2.59	-0.03	-18.53	-0.48	0.0234	Degrading	0.5436
RET4.3	TOTABUND	Summer2	AP	13760431	610111	71	9761783	0.0494	Increasing	0.5395
RET4.3	TOTABUND	Summer2	BP	15192981	1063510	112	17016165	0.0041	Increasing	0.6674
RET4.3	TOTBMASS	Summer2	AP	454404828	13849536	49	221592579	0.1440	No trend	0.9976
RET4.3	TOTBMASS	Summer2	BP	506872312	28224548	89	451592766	0.0025	Increasing	0.9817
RET4.3	CHLORO	Winter	AP	0	12913		193693	0.0133	Improving	0.2029
RET4.3	CHLORO	Winter	BP	15081	18131	1803	271967	0.0023	Improving	0.8078
RET4.3	CHLORO_C	Winter	AP	0	359466		5391983	0.0133	Improving	0.3220
RET4.3	CHLORO_C	Winter	BP	339311	389389	1721	5840834	0.0106	Improving	0.8052
RET4.3	CRYPTO	Winter	AP	223816	31799	213	476986	0.2628	No trend	0.3629
RET4.3	CRYPTO	Winter	BP	306148	53393	262	800890	0.0173	Increasing	0.8337
RET4.3	CRYPTO_C	Winter	AP	5373810	776803	217	11652045	0.2628	No trend	0.3629
RET4.3	CRYPTO_C	Winter	BP	7350601	1281958	262	19229369	0.0173	Increasing	0.8337
RET4.3	CYANO	Winter	AP	52539	39563	1130	593447	0.0128	Degrading	0.4231
RET4.3	CYANO	Winter	BP	112322	65165	870	977477	0.0051	Degrading	0.8337
RET4.3	CYANO_C	Winter	AP	1609254	110331	103	1654971	0.0456	Degrading	0.3831
RET4.3	CYANO_C	Winter	BP	1937109	164287	127	2464303	0.0588	No trend	0.8887
RET4.3	DIATOM	Winter	AP	3977549	33386	13	500789	0.6745	No trend	0.3629
RET4.3	DIATOM	Winter	BP	4794694	240740	75	3611097	0.2628	No trend	0.8337
RET4.3	DIATOM_C	Winter	AP	206260591	5769992	42	86549877	0.4414	No trend	0.6745
RET4.3	DIATOM_C	Winter	BP	420215883	4776656	17	71649845	0.7264	No trend	0.5756
RET4.3	DINOFL_C	Winter	AP	21878603	179956	12	2699334	0.5510	No trend	0.6987
RET4.3	DINOFL_C	Winter	BP	11813754	6373	1	95601	0.8608	No trend	0.6994
RET4.3	DINOFLG	Winter	AP	329185	-1746	-8	-26197	0.6997	No trend	0.5994
RET4.3	DINOFLG	Winter	BP	85643	-27	-0	-400	0.8332	No trend	0.5274
RET4.3	EVENNESS	Winter	AP	0.53	0.01	28.30	0.15	0.1075	No trend	0.4840
RET4.3	EVENNESS	Winter	BP	0.45	0.00	0.00	0.00	0.6242	No trend	0.4840
RET4.3	MARGALEF	Winter	AP	1.71	-0.04	-35.09	-0.60	0.0802	No trend	0.1616
RET4.3	MARGALEF	Winter	BP	1.96	-0.02	-15.31	-0.30	0.6745	No trend	0.6242
RET4.3	N_GENERA	Winter	AP	24.00	-0.56	-35.00	-8.40	0.1136	No trend	0.0988

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
RET4.3	N_GENERA	Winter	BP	26.00	0.00	0.00	0.00	0.9435	No trend	0.8877
RET4.3	N_SP	Winter	AP	27.00	-0.56	-31.11	-8.40	0.1312	No trend	0.1140
RET4.3	N_SP	Winter	BP	31.50	0.00	0.00	0.00	0.9161	No trend	0.8056
RET4.3	PROCAR_C	Winter	AP	0.03	0.00	0.00	0.00	0.2196	No trend	0.5069
RET4.3	PROCAR_C	Winter	BP	0.01	0.00	0.00	0.00	0.1416	No trend	0.5756
RET4.3	PROCARY	Winter	AP	0.04	0.00	0.00	0.00	0.0188	No change	0.7036
RET4.3	PROCARY	Winter	BP	0.03	0.00	0.00	0.00	0.0424	No change	0.8887
RET4.3	RATIO	Winter	AP	46.11	1.79	58.23	26.85	0.1616	No trend	0.3629
RET4.3	RATIO	Winter	BP	72.03	0.04	0.83	0.60	0.9442	No trend	1.0000
RET4.3	SHANNON	Winter	AP	2.41	0.03	18.67	0.45	0.2341	No trend	0.2628
RET4.3	SHANNON	Winter	BP	2.13	0.00	0.00	0.00	0.7264	No trend	0.6745
RET4.3	TOTABUND	Winter	AP	4616330	277300	90	4159502	0.2078	No trend	0.9442
RET4.3	TOTABUND	Winter	BP	5474828	616795	169	9251926	0.0500	Increasing	0.9442
RET4.3	TOTBMASS	Winter	AP	235900518	14663683	93	219955242	0.2341	No trend	0.8887
RET4.3	TOTBMASS	Winter	BP	446940942	15775073	53	236626100	0.4414	No trend	0.7795
WE4.2	CHLORO	Annual	AP	3142	391	212	6652	0.0002	Improving	0.7105
WE4.2	CHLORO	Annual	BP	80	256	5440	4352	0.0001	Improving	0.5837
WE4.2	CHLORO_C	Annual	AP	71432	17675	421	300467	<0.0001	Improving	0.7820
WE4.2	CHLORO_C	Annual	BP	1297	21851	28648	371467	<0.0001	Improving	0.5528
WE4.2	CRYPTO	Annual	AP	1328129	-19076	-24	-324286	0.0410	Decreasing	0.3378
WE4.2	CRYPTO	Annual	BP	569844	3343	10	56828	0.5723	No trend	0.4438
WE4.2	CRYPTO_C	Annual	AP	31888377	-475417	-25	-8082091	0.0326	Decreasing	0.3449
WE4.2	CRYPTO_C	Annual	BP	13681948	94471	12	1606003	0.5407	No trend	0.4793
WE4.2	CYANO	Annual	AP	32	2483	131918	42214	<0.0001	Degrading	0.5536
WE4.2	CYANO	Annual	BP	48	3922	138922	66682	<0.0001	Degrading	0.9567
WE4.2	CYANO_C	Annual	AP	980	21819	37843	370924	<0.0001	Degrading	0.5931
WE4.2	CYANO_C	Annual	BP	1109	27415	42032	466054	<0.0001	Degrading	0.9716
WE4.2	DIATOM	Annual	AP	3150745	39752	21	675777	0.1682	No trend	0.1455
WE4.2	DIATOM	Annual	BP	4366431	42219	16	717715	0.1414	No trend	0.0422
WE4.2	DIATOM_C	Annual	AP	126805394	7365931	99	125220829	0.0041	Improving	0.1620
WE4.2	DIATOM_C	Annual	BP	169610245	11235176	113	190997992	<0.0001	Improving	0.1826
WE4.2	DINOFL_C	Annual	AP	45352008	1120878	42	19054933	0.0617	No trend	0.6382
WE4.2	DINOFL_C	Annual	BP	25205749	611898	41	10402267	0.0159	Degrading	0.5700
WE4.2	DINOFLG	Annual	AP	215509	-560	-4	-9523	0.8153	No trend	0.9257
WE4.2	DINOFLG	Annual	BP	106762	134	2	2275	0.6634	No trend	0.6654
WE4.2	EVENNESS	Annual	AP	0.44	0.01	38.64	0.17	<0.0001	Improving	0.9603
WE4.2	EVENNESS	Annual	BP	0.49	0.01	34.69	0.17	<0.0001	Improving	0.9596
WE4.2	MARGALEF	Annual	AP	2.61	0.00	0.00	0.00	0.8701	No trend	0.3933
WE4.2	MARGALEF	Annual	BP	2.56	0.00	0.00	0.00	0.8231	No trend	0.9995
WE4.2	N_GENERA	Annual	AP	32.25	0.11	5.80	1.87	0.2132	No trend	0.2378
WE4.2	N_GENERA	Annual	BP	31.75	0.14	7.50	2.38	0.1134	No trend	0.9241
WE4.2	N_SP	Annual	AP	41.50	0.00	0.00	0.00	0.8237	No trend	0.3860
WE4.2	N_SP	Annual	BP	41.25	0.10	4.12	1.70	0.3575	No trend	0.9742
WE4.2	PROCAR_C	Annual	AP	0.00	0.00		0.00	<0.0001	No change	0.4436
WE4.2	PROCAR_C	Annual	BP	0.00	0.00		0.00	<0.0001	No change	0.9641
WE4.2	PROCARY	Annual	AP	0.00	0.00		0.00	<0.0001	No change	0.5908
WE4.2	PROCARY	Annual	BP	0.00	0.00		0.00	<0.0001	No change	0.9734
WE4.2	RATIO	Annual	AP	45.91	0.52	19.26	8.84	0.2429	No trend	0.2694
WE4.2	RATIO	Annual	BP	49.15	1.58	54.65	26.86	0.0013	Improving	0.4119
WE4.2	SHANNON	Annual	AP	2.39	0.05	35.56	0.85	<0.0001	Improving	0.9413
WE4.2	SHANNON	Annual	BP	2.52	0.04	26.98	0.68	<0.0001	Improving	0.9748
WE4.2	TOTABUND	Annual	AP	5389641	-13559	-4	-230505	0.7437	No trend	0.8930
WE4.2	TOTABUND	Annual	BP	5158877	48475	16	824072	0.1291	No trend	0.3245
WE4.2	TOTBMASS	Annual	AP	268900931	4872467	31	82831942	0.2246	No trend	0.2611
WE4.2	TOTBMASS	Annual	BP	252765144	13539294	91	230167998	0.0001	Increasing	0.1414
WE4.2	CHLORO	Fall	AP	1037	0	0	0	0.0550	No trend	0.3415
WE4.2	CHLORO	Fall	BP	2995	0	0	0	0.2828	No trend	0.1102
WE4.2	CHLORO_C	Fall	AP	23327	0	0	0	0.0309	No change	0.2675
WE4.2	CHLORO_C	Fall	BP	68107	0	0	0	0.3288	No trend	0.2184
WE4.2	CRYPTO	Fall	AP	1709117	-22110	-22	-375866	0.2616	No trend	0.6177

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
WE4.2	CRYPTO	Fall	BP	1003247	-10477	-18	-178103	0.2778	No trend	0.7903
WE4.2	CRYPTO_C	Fall	AP	41035887	-530855	-22	-9024531	0.2616	No trend	0.6177
WE4.2	CRYPTO_C	Fall	BP	18489905	-202868	-19	-3448764	0.3208	No trend	0.8524
WE4.2	CYANO	Fall	AP	2106	531	429	9023	0.0025	Degrading	0.8815
WE4.2	CYANO	Fall	BP	80	416	8840	7072	0.0012	Degrading	0.4331
WE4.2	CYANO_C	Fall	AP	17651	5489	529	93310	0.0040	Degrading	0.6819
WE4.2	CYANO_C	Fall	BP	9084	3651	683	62070	0.0039	Degrading	0.6370
WE4.2	DIATOM	Fall	AP	439653	111346	431	1892884	0.0017	Improving	0.5387
WE4.2	DIATOM	Fall	BP	554455	148385	455	2522551	0.0002	Improving	0.9458
WE4.2	DIATOM_C	Fall	AP	23025023	10271307	758	174612212	0.0023	Improving	0.9400
WE4.2	DIATOM_C	Fall	BP	36862089	14860465	685	252627896	0.0003	Improving	0.8318
WE4.2	DINOFL_C	Fall	AP	28951005	656925	39	11167719	0.5900	No trend	0.0551
WE4.2	DINOFL_C	Fall	BP	16354340	164017	17	2788286	0.3208	No trend	0.1964
WE4.2	DINOFLG	Fall	AP	184217	139	1	2364	0.9284	No trend	0.3756
WE4.2	DINOFLG	Fall	BP	113991	-85	-1	-1451	0.9081	No trend	0.6616
WE4.2	EVENNESS	Fall	AP	0.39	0.01	43.59	0.17	0.0001	Improving	0.5984
WE4.2	EVENNESS	Fall	BP	0.47	0.01	36.17	0.17	0.0197	Improving	0.3239
WE4.2	MARGALEF	Fall	AP	2.38	-0.01	-7.14	-0.17	0.3691	No trend	0.8403
WE4.2	MARGALEF	Fall	BP	2.37	0.00	0.00	0.00	0.8354	No trend	0.7826
WE4.2	N_GENERA	Fall	AP	29.00	-0.17	-9.97	-2.89	0.3427	No trend	0.9503
WE4.2	N_GENERA	Fall	BP	31.00	0.00	0.00	0.00	0.6589	No trend	0.9237
WE4.2	N_SP	Fall	AP	36.00	-0.13	-6.14	-2.21	0.6201	No trend	0.7646
WE4.2	N_SP	Fall	BP	35.75	0.17	8.08	2.89	0.4307	No trend	0.7026
WE4.2	PROCAR_C	Fall	AP	0.00	0.00		0.00	0.0040	No change	0.5121
WE4.2	PROCAR_C	Fall	BP	0.00	0.00		0.00	0.0026	No change	0.4933
WE4.2	PROCARY	Fall	AP	0.00	0.00		0.00	0.0019	No change	0.9139
WE4.2	PROCARY	Fall	BP	0.00	0.00		0.00	0.0026	No change	0.4732
WE4.2	RATIO	Fall	AP	43.00	-0.06	-2.37	-1.02	0.9642	No trend	0.4104
WE4.2	RATIO	Fall	BP	48.88	0.49	17.04	8.33	0.5638	No trend	0.0863
WE4.2	SHANNON	Fall	AP	2.03	0.05	41.87	0.85	0.0005	Improving	0.6930
WE4.2	SHANNON	Fall	BP	2.40	0.03	21.25	0.51	0.0060	Improving	0.3319
WE4.2	TOTABUND	Fall	AP	4005247	73890	31	1256133	0.3232	No trend	0.6784
WE4.2	TOTABUND	Fall	BP	2981767	116446	66	1979580	0.0251	Increasing	0.9010
WE4.2	TOTBMASS	Fall	AP	150989877	4810504	54	81778566	0.3456	No trend	0.1058
WE4.2	TOTBMASS	Fall	BP	140439527	9726885	118	165357040	0.0553	No trend	0.3164
WE4.2	CHLORO	SAV1	AP	0	63		1069	0.0135	Improving	0.7534
WE4.2	CHLORO	SAV1	BP	0	279		4742	0.0040	Improving	0.7389
WE4.2	CHLORO_C	SAV1	AP	0	5539		94155	0.0036	Improving	0.7268
WE4.2	CHLORO_C	SAV1	BP	0	9498		161470	0.0019	Improving	0.8518
WE4.2	CRYPTO	SAV1	AP	1274130	-31688	-42	-538688	0.0166	Decreasing	0.8966
WE4.2	CRYPTO	SAV1	BP	560728	1380	4	23460	0.9078	No trend	0.7456
WE4.2	CRYPTO_C	SAV1	AP	30591861	-760817	-42	-12933887	0.0166	Decreasing	0.8966
WE4.2	CRYPTO_C	SAV1	BP	13463079	33133	4	563269	0.9078	No trend	0.7456
WE4.2	CYANO	SAV1	AP	0	2985		50741	<0.0001	Degrading	0.4765
WE4.2	CYANO	SAV1	BP	128	5033	66843	85560	0.0001	Degrading	0.8209
WE4.2	CYANO_C	SAV1	AP	0	30822		523981	<0.0001	Degrading	0.5443
WE4.2	CYANO_C	SAV1	BP	17911	25084	2381	426425	0.0003	Degrading	0.8420
WE4.2	DIATOM	SAV1	AP	3072126	58732	33	998442	0.1215	No trend	0.1314
WE4.2	DIATOM	SAV1	BP	2251588	42691	32	725750	0.3718	No trend	0.0537
WE4.2	DIATOM_C	SAV1	AP	99381019	3198259	55	54370408	0.3044	No trend	0.3862
WE4.2	DIATOM_C	SAV1	BP	177879740	6977777	67	118622216	0.0267	Improving	0.3002
WE4.2	DINOFL_C	SAV1	AP	73252173	279924	6	4758700	0.7568	No trend	0.6648
WE4.2	DINOFL_C	SAV1	BP	28587414	303059	18	5151996	0.1455	No trend	0.6772
WE4.2	DINOFLG	SAV1	AP	101184	-1261	-21	-21438	0.7568	No trend	0.5054
WE4.2	DINOFLG	SAV1	BP	113094	68	1	1162	0.8427	No trend	0.8317
WE4.2	EVENNESS	SAV1	AP	0.38	0.01	44.74	0.17	<0.0001	Improving	0.9721
WE4.2	EVENNESS	SAV1	BP	0.54	0.01	31.48	0.17	<0.0001	Improving	0.7580
WE4.2	MARGALEF	SAV1	AP	2.59	-0.01	-6.56	-0.17	0.5039	No trend	0.7494
WE4.2	MARGALEF	SAV1	BP	2.54	0.00	0.00	0.00	0.9209	No trend	0.9776
WE4.2	N_GENERA	SAV1	AP	32.50	0.00	0.00	0.00	0.8441	No trend	0.4268

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
WE4.2	N_GENERA	SAV1	BP	30.00	0.14	7.93	2.38	0.2801	No trend	0.9920
WE4.2	N_SP	SAV1	AP	41.50	-0.06	-2.46	-1.02	0.6350	No trend	0.7334
WE4.2	N_SP	SAV1	BP	41.00	0.12	4.98	2.04	0.5179	No trend	0.9609
WE4.2	PROCAR_C	SAV1	AP	0.00	0.00		0.00	<0.0001	No change	0.5137
WE4.2	PROCAR_C	SAV1	BP	0.00	0.00		0.00	0.0003	No change	0.7224
WE4.2	PROCARY	SAV1	AP	0.00	0.00		0.00	<0.0001	No change	0.6326
WE4.2	PROCARY	SAV1	BP	0.00	0.00		0.00	0.0001	No change	0.8374
WE4.2	RATIO	SAV1	AP	59.08	-0.93	-26.76	-15.81	0.1760	No trend	0.9985
WE4.2	RATIO	SAV1	BP	55.32	0.49	15.06	8.33	0.5515	No trend	0.6269
WE4.2	SHANNON	SAV1	AP	2.03	0.05	41.87	0.85	<0.0001	Improving	0.9359
WE4.2	SHANNON	SAV1	BP	2.90	0.04	23.45	0.68	<0.0001	Improving	0.8348
WE4.2	TOTABUND	SAV1	AP	4856069	32311	11	549288	0.7817	No trend	0.7478
WE4.2	TOTABUND	SAV1	BP	4509581	52810	20	897777	0.4272	No trend	0.5012
WE4.2	TOTBMASS	SAV1	AP	306380898	-2700577	-15	-45909806	0.4244	No trend	0.9829
WE4.2	TOTBMASS	SAV1	BP	292723243	4392744	26	74676648	0.2750	No trend	0.8430
WE4.2	CHLORO	SAV2	AP	4211	1081	437	18383	0.0026	Improving	0.6335
WE4.2	CHLORO	SAV2	BP	0	1848		31420	0.0001	Improving	0.6673
WE4.2	CHLORO_C	SAV2	AP	96209	26074	461	443263	0.0019	Improving	0.6975
WE4.2	CHLORO_C	SAV2	BP	0	53756		913850	<0.0001	Improving	0.6562
WE4.2	CRYPTO	SAV2	AP	1382128	-29751	-37	-505768	0.0311	Decreasing	0.1213
WE4.2	CRYPTO	SAV2	BP	514253	76	0	1293	0.9758	No trend	0.4821
WE4.2	CRYPTO_C	SAV2	AP	33184893	-745591	-38	-12675043	0.0228	Decreasing	0.1314
WE4.2	CRYPTO_C	SAV2	BP	12347203	1827	0	31051	0.9758	No trend	0.4821
WE4.2	CYANO	SAV2	AP	4147	3022	1239	51367	<0.0001	Degrading	0.2082
WE4.2	CYANO	SAV2	BP	128	4569	60685	77677	<0.0001	Degrading	0.9057
WE4.2	CYANO_C	SAV2	AP	30470	27464	1532	466887	0.0001	Degrading	0.2505
WE4.2	CYANO_C	SAV2	BP	17911	31791	3017	540441	<0.0001	Degrading	0.8833
WE4.2	DIATOM	SAV2	AP	3229365	43912	23	746506	0.2551	No trend	0.7667
WE4.2	DIATOM	SAV2	BP	4692170	44000	16	748000	0.3876	No trend	0.3636
WE4.2	DIATOM_C	SAV2	AP	129726668	7981483	105	135685210	0.0064	Improving	0.2966
WE4.2	DIATOM_C	SAV2	BP	177879740	10896894	104	185247195	0.0003	Improving	0.1989
WE4.2	DINOFL_C	SAV2	AP	72936954	484248	11	8232211	0.5492	No trend	0.7851
WE4.2	DINOFL_C	SAV2	BP	28323890	95033	6	1615567	0.5544	No trend	0.8984
WE4.2	DINOFLG	SAV2	AP	243381	-4010	-28	-68171	0.2310	No trend	0.9839
WE4.2	DINOFLG	SAV2	BP	100429	55	1	933	0.9396	No trend	0.5913
WE4.2	EVENNESS	SAV2	AP	0.50	0.01	34.00	0.17	<0.0001	Improving	0.9785
WE4.2	EVENNESS	SAV2	BP	0.49	0.01	34.69	0.17	<0.0001	Improving	0.8959
WE4.2	MARGALEF	SAV2	AP	2.59	0.01	6.56	0.17	0.4188	No trend	0.1354
WE4.2	MARGALEF	SAV2	BP	2.54	0.00	0.00	0.00	0.8915	No trend	0.9963
WE4.2	N_GENERA	SAV2	AP	32.00	0.25	13.28	4.25	0.0734	No trend	0.2264
WE4.2	N_GENERA	SAV2	BP	30.50	0.11	6.13	1.87	0.2935	No trend	0.9969
WE4.2	N_SP	SAV2	AP	41.50	0.17	6.96	2.89	0.3753	No trend	0.1547
WE4.2	N_SP	SAV2	BP	41.00	0.07	2.90	1.19	0.5738	No trend	0.9912
WE4.2	PROCAR_C	SAV2	AP	0.00	0.00		0.00	0.0006	No change	0.1297
WE4.2	PROCAR_C	SAV2	BP	0.00	0.00		0.00	<0.0001	No change	0.8834
WE4.2	PROCARY	SAV2	AP	0.00	0.00		0.00	<0.0001	No change	0.2184
WE4.2	PROCARY	SAV2	BP	0.00	0.00		0.00	<0.0001	No change	0.9674
WE4.2	RATIO	SAV2	AP	56.98	0.94	28.04	15.98	0.1778	No trend	0.1180
WE4.2	RATIO	SAV2	BP	45.47	1.31	48.98	22.27	0.0326	Improving	0.1845
WE4.2	SHANNON	SAV2	AP	2.76	0.05	30.80	0.85	<0.0001	Improving	0.9988
WE4.2	SHANNON	SAV2	BP	2.69	0.04	25.28	0.68	<0.0001	Improving	0.9431
WE4.2	TOTABUND	SAV2	AP	5390422	-2380	-1	-40465	0.9522	No trend	0.9917
WE4.2	TOTABUND	SAV2	BP	6301227	66738	18	1134548	0.1586	No trend	0.5536
WE4.2	TOTBMASS	SAV2	AP	269901759	7120049	45	121040831	0.2428	No trend	0.3736
WE4.2	TOTBMASS	SAV2	BP	236061512	12845126	93	218367145	0.0009	Increasing	0.0626
WE4.2	CHLORO	Spring1	AP	0	1722		27557	0.1204	No trend	0.7806
WE4.2	CHLORO	Spring1	BP	13312	575	69	9195	0.1670	No trend	0.6853
WE4.2	CHLORO_C	Spring1	AP	0	46006		736100	0.0515	No trend	0.8924
WE4.2	CHLORO_C	Spring1	BP	299520	58025	310	928392	0.0513	No trend	0.5874
WE4.2	CRYPTO	Spring1	AP	666080	-23879	-57	-382067	0.1065	No trend	0.9310

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
WE4.2	CRYPTO	Spring1	BP	434613	15285	56	244561	0.3159	No trend	0.5888
WE4.2	CRYPTO_C	Spring1	AP	15992569	-573339	-57	-9173421	0.1065	No trend	0.9310
WE4.2	CRYPTO_C	Spring1	BP	10435046	366995	56	5871916	0.3159	No trend	0.5888
WE4.2	CYANO	Spring1	AP	0	9317		149065	0.0121	Degrading	0.5326
WE4.2	CYANO	Spring1	BP	74650	6295	135	100722	0.0284	Degrading	0.9765
WE4.2	CYANO_C	Spring1	AP	0	44655		714488	0.0436	Degrading	0.9762
WE4.2	CYANO_C	Spring1	BP	180941	35896	317	574343	0.0410	Degrading	0.8884
WE4.2	DIATOM	Spring1	AP	3864926	-73396	-30	-1174337	0.4339	No trend	0.7997
WE4.2	DIATOM	Spring1	BP	6122197	-104729	-27	-1675672	0.1866	No trend	0.9190
WE4.2	DIATOM_C	Spring1	AP	240879319	-7212808	-48	-115404931	0.4339	No trend	0.9620
WE4.2	DIATOM_C	Spring1	BP	363000504	-1201211	-5	-19219373	0.9221	No trend	0.7907
WE4.2	DINOFL_C	Spring1	AP	79087284	1615834	33	25853338	0.3280	No trend	0.5070
WE4.2	DINOFL_C	Spring1	BP	37392125	3208134	137	51330151	0.0869	No trend	0.4722
WE4.2	DINOFLG	Spring1	AP	485339	-2417	-8	-38676	0.8833	No trend	0.4615
WE4.2	DINOFLG	Spring1	BP	228160	8000	56	128008	0.3527	No trend	0.6262
WE4.2	EVENNESS	Spring1	AP	0.59	0.01	27.12	0.16	0.0012	Improving	0.9329
WE4.2	EVENNESS	Spring1	BP	0.57	0.01	28.07	0.16	0.0062	Improving	0.7178
WE4.2	MARGALEF	Spring1	AP	2.59	0.00	0.00	0.00	0.9221	No trend	0.4240
WE4.2	MARGALEF	Spring1	BP	2.59	0.00	0.00	0.00	0.9610	No trend	0.9834
WE4.2	N_GENERA	Spring1	AP	32.50	0.19	9.35	3.04	0.5232	No trend	0.1687
WE4.2	N_GENERA	Spring1	BP	33.50	0.14	6.69	2.24	0.4766	No trend	0.8710
WE4.2	N_SP	Spring1	AP	41.50	0.00	0.00	0.00	0.9804	No trend	0.3880
WE4.2	N_SP	Spring1	BP	42.50	0.09	3.39	1.44	0.7316	No trend	0.9656
WE4.2	PROCAR_C	Spring1	AP	0.00	0.00		0.00	0.0614	No trend	0.8304
WE4.2	PROCAR_C	Spring1	BP	0.00	0.00		0.00	0.0764	No trend	0.9660
WE4.2	PROCARY	Spring1	AP	0.00	0.00		0.00	0.0050	No change	0.6615
WE4.2	PROCARY	Spring1	BP	0.01	0.00	0.00	0.00	0.0181	No change	0.9776
WE4.2	RATIO	Spring1	AP	67.58	-1.12	-26.52	-17.92	0.3527	No trend	0.9202
WE4.2	RATIO	Spring1	BP	55.32	1.20	34.71	19.20	0.4631	No trend	0.7440
WE4.2	SHANNON	Spring1	AP	3.04	0.04	21.05	0.64	0.0083	Improving	0.7950
WE4.2	SHANNON	Spring1	BP	3.08	0.04	20.78	0.64	0.0046	Improving	0.8749
WE4.2	TOTABUND	Spring1	AP	6185561	-87631	-23	-1402096	0.5906	No trend	0.5952
WE4.2	TOTABUND	Spring1	BP	8365751	-62425	-12	-998806	0.4935	No trend	0.8963
WE4.2	TOTBMASS	Spring1	AP	306380898	-8011008	-42	-128176131	0.4631	No trend	0.9189
WE4.2	TOTBMASS	Spring1	BP	462668166	1584121	5	25345937	0.8449	No trend	0.7342
WE4.2	CHLORO	Spring2	AP	6351	3349	844	53582	0.0253	Improving	0.8652
WE4.2	CHLORO	Spring2	BP	0	5194		83103	0.0183	Improving	0.2502
WE4.2	CHLORO_C	Spring2	AP	142886	42219	473	675504	0.0222	Improving	0.9421
WE4.2	CHLORO_C	Spring2	BP	0	131663		2106607	0.0074	Improving	0.1724
WE4.2	CRYPTO	Spring2	AP	673136	3473	8	55565	0.9221	No trend	0.1128
WE4.2	CRYPTO	Spring2	BP	484703	25317	84	405077	0.1632	No trend	0.2948
WE4.2	CRYPTO_C	Spring2	AP	16161995	83382	8	1334111	0.9221	No trend	0.1128
WE4.2	CRYPTO_C	Spring2	BP	11637707	607868	84	9725891	0.1632	No trend	0.2948
WE4.2	CYANO	Spring2	AP	0	6600		105593	0.0019	Degrading	0.5868
WE4.2	CYANO	Spring2	BP	74650	3266	70	52263	0.0041	Degrading	0.5342
WE4.2	CYANO_C	Spring2	AP	0	32548		520766	0.0121	Degrading	0.6688
WE4.2	CYANO_C	Spring2	BP	180941	16864	149	269820	0.0109	Degrading	0.4978
WE4.2	DIATOM	Spring2	AP	3864926	-25778	-11	-412451	0.6248	No trend	0.7899
WE4.2	DIATOM	Spring2	BP	5239940	-54868	-17	-877891	0.4057	No trend	0.5879
WE4.2	DIATOM_C	Spring2	AP	201336391	6852760	54	109644165	0.4339	No trend	0.1659
WE4.2	DIATOM_C	Spring2	BP	235876684	8511551	58	136184809	0.1708	No trend	0.0468
WE4.2	DINOFL_C	Spring2	AP	79087284	-36122	-1	-577953	0.9610	No trend	0.7941
WE4.2	DINOFL_C	Spring2	BP	37392125	938206	40	15011296	0.3786	No trend	0.9016
WE4.2	DINOFLG	Spring2	AP	495815	-6674	-22	-106782	0.4339	No trend	0.9202
WE4.2	DINOFLG	Spring2	BP	171585	4939	46	79021	0.2819	No trend	0.5684
WE4.2	EVENNESS	Spring2	AP	0.59	0.01	27.12	0.16	0.0024	Improving	0.8862
WE4.2	EVENNESS	Spring2	BP	0.55	0.01	29.09	0.16	0.0021	Improving	0.8320
WE4.2	MARGALEF	Spring2	AP	2.55	0.01	6.27	0.16	0.8449	No trend	0.5000
WE4.2	MARGALEF	Spring2	BP	2.40	0.00	0.00	0.00	0.7321	No trend	0.9330
WE4.2	N_GENERA	Spring2	AP	31.00	0.39	20.13	6.24	0.0941	No trend	0.8570

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
WE4.2	N_GENERA	Spring2	BP	29.50	0.15	8.14	2.40	0.4463	No trend	0.8419
WE4.2	N_SP	Spring2	AP	41.50	0.00	0.00	0.00	0.8827	No trend	0.4832
WE4.2	N_SP	Spring2	BP	38.50	0.21	8.73	3.36	0.4773	No trend	0.7639
WE4.2	PROCAR_C	Spring2	AP	0.00	0.00		0.00	0.0387	No change	0.7110
WE4.2	PROCAR_C	Spring2	BP	0.00	0.00		0.00	0.0165	No change	0.6552
WE4.2	PROCARY	Spring2	AP	0.00	0.00		0.00	0.0012	No change	0.7151
WE4.2	PROCARY	Spring2	BP	0.01	0.00	0.00	0.00	0.0052	No change	0.7751
WE4.2	RATIO	Spring2	AP	67.58	0.31	7.34	4.96	0.6248	No trend	0.2723
WE4.2	RATIO	Spring2	BP	45.47	1.93	67.91	30.88	0.1295	No trend	0.4632
WE4.2	SHANNON	Spring2	AP	3.04	0.04	21.05	0.64	0.0021	Improving	0.9898
WE4.2	SHANNON	Spring2	BP	2.91	0.06	32.99	0.96	0.0039	Improving	0.8911
WE4.2	TOTABUND	Spring2	AP	6185561	6124	2	97990	1.0000	No trend	0.8532
WE4.2	TOTABUND	Spring2	BP	6301227	33650	9	538395	0.7692	No trend	0.2167
WE4.2	TOTBMASS	Spring2	AP	306380898	4683386	24	74934175	0.6598	No trend	0.4742
WE4.2	TOTBMASS	Spring2	BP	292723243	21303447	116	340855157	0.0354	Increasing	0.0111
WE4.2	CHLORO	Summer1	AP	4211	3894	1572	66203	0.0044	Improving	0.5044
WE4.2	CHLORO	Summer1	BP	0	1631		27719	0.0013	Improving	0.6080
WE4.2	CHLORO_C	Summer1	AP	96209	74644	1319	1268940	0.0044	Improving	0.5938
WE4.2	CHLORO_C	Summer1	BP	0	57278		973732	0.0003	Improving	0.5418
WE4.2	CRYPTO	Summer1	AP	1432550	-31102	-37	-528739	0.1826	No trend	0.0231
WE4.2	CRYPTO	Summer1	BP	514253	1313	4	22329	0.8620	No trend	0.1695
WE4.2	CRYPTO_C	Summer1	AP	34395526	-820637	-41	-13950827	0.1369	No trend	0.0247
WE4.2	CRYPTO_C	Summer1	BP	12347203	31536	4	536114	0.8620	No trend	0.1695
WE4.2	CYANO	Summer1	AP	20313	2496	209	42432	0.0011	Degrading	0.0589
WE4.2	CYANO	Summer1	BP	0	5061		86045	<0.0001	Degrading	0.9029
WE4.2	CYANO_C	Summer1	AP	30470	31072	1734	528218	0.0011	Degrading	0.0613
WE4.2	CYANO_C	Summer1	BP	0	36259		616409	<0.0001	Degrading	0.9803
WE4.2	DIATOM	Summer1	AP	3365474	45729	23	777392	0.2237	No trend	0.8054
WE4.2	DIATOM	Summer1	BP	4692170	61241	22	1041093	0.3246	No trend	0.8777
WE4.2	DIATOM_C	Summer1	AP	129726668	8982274	118	152698661	0.0028	Improving	0.5246
WE4.2	DIATOM_C	Summer1	BP	161340751	15051969	159	255883465	<0.0001	Improving	0.7721
WE4.2	DINOFL_C	Summer1	AP	70711060	1162072	28	19755219	0.2709	No trend	0.7332
WE4.2	DINOFL_C	Summer1	BP	28323890	80796	5	1373538	0.6850	No trend	0.6514
WE4.2	DINOFLG	Summer1	AP	218354	-2565	-20	-43613	0.4990	No trend	0.8330
WE4.2	DINOFLG	Summer1	BP	91879	21	0	363	0.9846	No trend	0.3533
WE4.2	EVENNESS	Summer1	AP	0.50	0.01	34.00	0.17	0.0002	Improving	0.9493
WE4.2	EVENNESS	Summer1	BP	0.48	0.01	35.42	0.17	0.0004	Improving	0.8577
WE4.2	MARGALEF	Summer1	AP	2.55	0.02	13.33	0.34	0.3246	No trend	0.0488
WE4.2	MARGALEF	Summer1	BP	2.54	0.00	0.00	0.00	0.9538	No trend	0.9189
WE4.2	N_GENERA	Summer1	AP	31.00	0.27	14.81	4.59	0.0913	No trend	0.1509
WE4.2	N_GENERA	Summer1	BP	30.50	0.17	9.48	2.89	0.2691	No trend	0.9718
WE4.2	N_SP	Summer1	AP	41.50	0.27	11.06	4.59	0.3141	No trend	0.0480
WE4.2	N_SP	Summer1	BP	41.00	0.11	4.56	1.87	0.5226	No trend	0.8813
WE4.2	PROCAR_C	Summer1	AP	0.00	0.00		0.00	0.0122	No change	0.0339
WE4.2	PROCAR_C	Summer1	BP	0.00	0.00		0.00	0.0001	No change	0.9109
WE4.2	PROCARY	Summer1	AP	0.00	0.00		0.00	0.0018	No change	0.0578
WE4.2	PROCARY	Summer1	BP	0.00	0.00		0.00	<0.0001	No change	0.9430
WE4.2	RATIO	Summer1	AP	47.82	1.91	67.90	32.47	0.0142	Improving	0.1809
WE4.2	RATIO	Summer1	BP	37.98	1.81	81.02	30.77	0.0040	Improving	0.5354
WE4.2	SHANNON	Summer1	AP	2.76	0.05	30.80	0.85	0.0001	Improving	0.9928
WE4.2	SHANNON	Summer1	BP	2.53	0.04	26.88	0.68	0.0008	Improving	0.8035
WE4.2	TOTABUND	Summer1	AP	5390422	-1822	-1	-30968	0.9538	No trend	0.9212
WE4.2	TOTABUND	Summer1	BP	6498806	113016	30	1921277	0.0856	No trend	0.6723
WE4.2	TOTBMASS	Summer1	AP	267900102	12739732	81	216575446	0.0353	Increasing	0.4544
WE4.2	TOTBMASS	Summer1	BP	236061512	21346245	154	362886157	<0.0001	Increasing	0.3294
WE4.2	CHLORO	Summer2	AP	2106	4503	3636	76555	0.0172	Improving	0.3152
WE4.2	CHLORO	Summer2	BP	80	512	10880	8704	0.0206	Improving	0.6582
WE4.2	CHLORO_C	Summer2	AP	48105	118615	4192	2016460	0.0135	Improving	0.3871
WE4.2	CHLORO_C	Summer2	BP	1297	38404	50351	652875	0.0111	Improving	0.7473
WE4.2	CRYPTO	Summer2	AP	1483253	-53159	-61	-903697	0.0152	Decreasing	0.3380

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
WE4.2	CRYPTO	Summer2	BP	546606	-6797	-21	-115552	0.3699	No trend	0.9754
WE4.2	CRYPTO_C	Summer2	AP	35612893	-1403921	-67	-23866652	0.0093	Decreasing	0.4626
WE4.2	CRYPTO_C	Summer2	BP	13124010	-163201	-21	-2774410	0.3699	No trend	0.9754
WE4.2	CYANO	Summer2	AP	53238	2996	96	50938	0.0084	Degrading	0.0264
WE4.2	CYANO	Summer2	BP	0	7336		124710	0.0003	Degrading	0.8200
WE4.2	CYANO_C	Summer2	AP	79857	33084	704	562434	0.0109	Degrading	0.0304
WE4.2	CYANO_C	Summer2	BP	0	39962		679352	0.0001	Degrading	0.9307
WE4.2	DIATOM	Summer2	AP	2905997	56441	33	959491	0.1552	No trend	0.8306
WE4.2	DIATOM	Summer2	BP	5103361	55454	18	942712	0.3470	No trend	0.7238
WE4.2	DIATOM_C	Summer2	AP	126805394	7495790	100	127428422	0.0193	Improving	0.3784
WE4.2	DIATOM_C	Summer2	BP	194299512	11500503	101	195508556	0.0013	Improving	0.7549
WE4.2	DINOFL_C	Summer2	AP	71824007	1990242	47	33834118	0.1552	No trend	0.8647
WE4.2	DINOFL_C	Summer2	BP	31839094	29587	2	502971	0.8440	No trend	0.4661
WE4.2	DINOFLG	Summer2	AP	215509	-2565	-20	-43613	0.4978	No trend	0.6603
WE4.2	DINOFLG	Summer2	BP	88491	-742	-14	-12617	0.5846	No trend	0.4031
WE4.2	EVENNESS	Summer2	AP	0.51	0.01	33.33	0.17	0.0005	Improving	0.9281
WE4.2	EVENNESS	Summer2	BP	0.49	0.01	34.69	0.17	0.0018	Improving	0.6834
WE4.2	MARGALEF	Summer2	AP	2.41	0.03	21.16	0.51	0.1205	No trend	0.0593
WE4.2	MARGALEF	Summer2	BP	2.59	0.00	0.00	0.00	0.7429	No trend	0.9281
WE4.2	N_GENERA	Summer2	AP	30.75	0.32	17.69	5.44	0.1142	No trend	0.0728
WE4.2	N_GENERA	Summer2	BP	32.25	0.11	5.80	1.87	0.4295	No trend	0.9480
WE4.2	N_SP	Summer2	AP	38.00	0.38	17.00	6.46	0.1096	No trend	0.0640
WE4.2	N_SP	Summer2	BP	41.25	0.00	0.00	0.00	0.8434	No trend	0.9563
WE4.2	PROCAR_C	Summer2	AP	0.00	0.00		0.00	0.0561	No trend	0.0153
WE4.2	PROCAR_C	Summer2	BP	0.00	0.00		0.00	0.0012	No change	0.7795
WE4.2	PROCARY	Summer2	AP	0.01	0.00	0.00	0.00	0.0131	No change	0.0267
WE4.2	PROCARY	Summer2	BP	0.00	0.00		0.00	0.0004	No change	0.8294
WE4.2	RATIO	Summer2	AP	52.40	1.83	59.37	31.11	0.0516	No trend	0.0938
WE4.2	RATIO	Summer2	BP	43.88	1.58	61.21	26.86	0.0171	Improving	0.3452
WE4.2	SHANNON	Summer2	AP	2.84	0.06	35.92	1.02	0.0005	Improving	0.9829
WE4.2	SHANNON	Summer2	BP	2.60	0.04	26.15	0.68	0.0027	Improving	0.6234
WE4.2	TOTABUND	Summer2	AP	5389641	-913	-0	-15513	0.9826	No trend	0.7843
WE4.2	TOTABUND	Summer2	BP	6596239	66012	17	1122205	0.2647	No trend	0.6355
WE4.2	TOTBMASS	Summer2	AP	264226273	11917868	77	202603748	0.0841	No trend	0.2760
WE4.2	TOTBMASS	Summer2	BP	252765144	13294905	89	226013390	0.0036	Increasing	0.6603
WE4.2	CHLORO	Winter	AP	33178	427	21	6827	0.3875	No trend	0.1377
WE4.2	CHLORO	Winter	BP	41472	1391	54	22256	0.0363	Improving	0.9780
WE4.2	CHLORO_C	Winter	AP	746494	4385	9	70164	0.4237	No trend	0.1995
WE4.2	CHLORO_C	Winter	BP	933120	53434	92	854944	0.0091	Improving	0.9826
WE4.2	CRYPTO	Winter	AP	1360283	2681	3	42889	0.7514	No trend	0.7221
WE4.2	CRYPTO	Winter	BP	692942	19547	45	312759	0.1542	No trend	0.3887
WE4.2	CRYPTO_C	Winter	AP	32660383	64360	3	1029758	0.7514	No trend	0.7221
WE4.2	CRYPTO_C	Winter	BP	16637537	469334	45	7509351	0.1542	No trend	0.3887
WE4.2	CYANO	Winter	AP	0	12032		192512	0.0054	Degrading	0.5474
WE4.2	CYANO	Winter	BP	22618	3447	244	55159	0.0136	Degrading	0.4450
WE4.2	CYANO_C	Winter	AP	0	97706		1563301	0.0054	Degrading	0.6368
WE4.2	CYANO_C	Winter	BP	33926	20362	960	325792	0.0086	Degrading	0.4378
WE4.2	DIATOM	Winter	AP	13757263	-288005	-33	-4608077	0.0934	No trend	0.7448
WE4.2	DIATOM	Winter	BP	12285540	-167909	-22	-2686540	0.3264	No trend	0.0637
WE4.2	DIATOM_C	Winter	AP	527760989	-5196492	-16	-83143864	0.6806	No trend	0.2254
WE4.2	DIATOM_C	Winter	BP	410472817	3171185	12	50738968	0.7757	No trend	0.4013
WE4.2	DINOFL_C	Winter	AP	22760684	1441220	101	23059521	0.2169	No trend	0.7623
WE4.2	DINOFL_C	Winter	BP	18810895	2472315	210	39557040	0.0246	Degrading	0.4706
WE4.2	DINOFLG	Winter	AP	154049	4347	45	69557	0.5904	No trend	0.8614
WE4.2	DINOFLG	Winter	BP	163703	307	3	4906	0.9243	No trend	0.0910
WE4.2	EVENNESS	Winter	AP	0.34	0.01	47.06	0.16	0.0618	No trend	0.1546
WE4.2	EVENNESS	Winter	BP	0.33	0.01	48.48	0.16	0.0618	No trend	0.6910
WE4.2	MARGALEF	Winter	AP	2.85	0.00	0.00	0.00	0.9747	No trend	0.9257
WE4.2	MARGALEF	Winter	BP	2.70	0.01	5.93	0.16	0.6349	No trend	0.5292
WE4.2	N_GENERA	Winter	AP	35.00	0.18	8.23	2.88	0.2630	No trend	0.2974

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
WE4.2	N_GENERA	Winter	BP	33.00	0.25	12.12	4.00	0.3571	No trend	0.0384
WE4.2	N_SP	Winter	AP	48.00	-0.08	-2.67	-1.28	0.7026	No trend	0.7258
WE4.2	N_SP	Winter	BP	44.50	0.00	0.00	0.00	0.9242	No trend	0.1644
WE4.2	PROCAR_C	Winter	AP	0.00	0.00		0.00	0.0296	No change	0.9513
WE4.2	PROCAR_C	Winter	BP	0.00	0.00		0.00	0.0086	No change	0.4378
WE4.2	PROCARY	Winter	AP	0.00	0.00		0.00	0.0014	No change	0.7794
WE4.2	PROCARY	Winter	BP	0.01	0.00	0.00	0.00	0.0039	No change	0.3126
WE4.2	RATIO	Winter	AP	40.15	0.40	15.94	6.40	0.6806	No trend	0.4011
WE4.2	RATIO	Winter	BP	44.32	4.27	154.15	68.32	0.0289	Improving	0.9824
WE4.2	SHANNON	Winter	AP	1.87	0.04	34.22	0.64	0.0618	No trend	0.0930
WE4.2	SHANNON	Winter	BP	1.80	0.05	44.44	0.80	0.0934	No trend	0.8513
WE4.2	TOTABUND	Winter	AP	15541297	-213265	-22	-3412240	0.1367	No trend	0.6839
WE4.2	TOTABUND	Winter	BP	13655638	-159125	-19	-2546004	0.3585	No trend	0.0977
WE4.2	TOTBMASS	Winter	AP	591564568	-4385731	-12	-70171696	0.5904	No trend	0.2299
WE4.2	TOTBMASS	Winter	BP	462009309	14028380	49	224454072	0.3585	No trend	0.1958
TF3.3	CHLORO	Annual	AP	165415	73213	708	1171409	<0.0001	Improving	0.8687
TF3.3	CHLORO	Annual	BP	48512	78794	2599	1260698	<0.0001	Improving	0.7768
TF3.3	CHLORO_C	Annual	AP	1749939	4218903	3857	67502444	<0.0001	Improving	0.9274
TF3.3	CHLORO_C	Annual	BP	952968	3084390	5179	49350243	<0.0001	Improving	0.9780
TF3.3	CRYPTO	Annual	AP	692467	50093	116	801488	<0.0001	Increasing	0.9454
TF3.3	CRYPTO	Annual	BP	370093	50146	217	802339	<0.0001	Increasing	0.5141
TF3.3	CRYPTO_C	Annual	AP	13432767	1207851	144	19325616	<0.0001	Increasing	0.9612
TF3.3	CRYPTO_C	Annual	BP	8139114	1222449	240	19559192	<0.0001	Increasing	0.5196
TF3.3	CYANO	Annual	AP	244189	324892	2129	5198273	<0.0001	Degrading	0.7460
TF3.3	CYANO	Annual	BP	549451	310892	905	4974276	<0.0001	Degrading	0.9855
TF3.3	CYANO_C	Annual	AP	1846739	1145109	992	18321741	<0.0001	Degrading	0.5837
TF3.3	CYANO_C	Annual	BP	2086482	1161354	891	18581664	<0.0001	Degrading	0.9251
TF3.3	DIATOM	Annual	AP	2364886	438665	297	7018633	<0.0001	Improving	0.5340
TF3.3	DIATOM	Annual	BP	2564384	518513	324	8296215	<0.0001	Improving	0.2055
TF3.3	DIATOM_C	Annual	AP	64193278	27514313	686	440229006	<0.0001	Improving	0.5455
TF3.3	DIATOM_C	Annual	BP	87288417	30877711	566	494043374	<0.0001	Improving	0.1789
TF3.3	DINOFL_C	Annual	AP	1228133	12410	16	198559	0.0194	Degrading	0.7190
TF3.3	DINOFL_C	Annual	BP	607233	0	0	0	0.1403	No trend	0.6787
TF3.3	DINOFLG	Annual	AP	15059	0	0	0	0.2172	No trend	0.6326
TF3.3	DINOFLG	Annual	BP	2880	0	0	0	0.6288	No trend	0.9513
TF3.3	EVENNESS	Annual	AP	0.57	0.00	0.00	0.00	0.0559	No trend	0.7086
TF3.3	EVENNESS	Annual	BP	0.57	0.00	0.00	0.00	0.0166	No change	0.7374
TF3.3	MARGALEF	Annual	AP	1.54	0.01	10.39	0.16	0.2620	No trend	0.9841
TF3.3	MARGALEF	Annual	BP	1.70	0.02	18.82	0.32	0.0074	Improving	0.9864
TF3.3	N_GENERA	Annual	AP	23.00	0.33	22.96	5.28	0.0005	Improving	0.9703
TF3.3	N_GENERA	Annual	BP	23.50	0.56	38.13	8.96	<0.0001	Improving	0.9640
TF3.3	N_SP	Annual	AP	25.00	0.29	18.56	4.64	0.0184	Improving	0.9502
TF3.3	N_SP	Annual	BP	27.00	0.56	33.19	8.96	<0.0001	Improving	0.9912
TF3.3	PROCAR_C	Annual	AP	0.02	0.00	0.00	0.00	0.0592	No trend	0.3139
TF3.3	PROCAR_C	Annual	BP	0.02	0.00	0.00	0.00	0.2409	No trend	0.7597
TF3.3	PROCARY	Annual	AP	0.08	0.02	400.00	0.32	<0.0001	Degrading	0.7072
TF3.3	PROCARY	Annual	BP	0.15	0.02	213.33	0.32	<0.0001	Degrading	0.9259
TF3.3	RATIO	Annual	AP	24.04	0.80	53.24	12.80	0.0059	Improving	0.2027
TF3.3	RATIO	Annual	BP	25.83	0.79	48.94	12.64	0.0024	Improving	0.9479
TF3.3	SHANNON	Annual	AP	2.66	0.03	18.05	0.48	0.0178	Improving	0.7690
TF3.3	SHANNON	Annual	BP	2.64	0.03	18.18	0.48	0.0014	Improving	0.9537
TF3.3	TOTABUND	Annual	AP	4890501	1191845	390	19069513	<0.0001	Increasing	0.6507
TF3.3	TOTABUND	Annual	BP	4248219	1317120	496	21073928	<0.0001	Increasing	0.9729
TF3.3	TOTBMASS	Annual	AP	94399534	43333614	734	693337821	<0.0001	Increasing	0.6045
TF3.3	TOTBMASS	Annual	BP	121839805	49252363	647	788037814	<0.0001	Increasing	0.6479
TF3.3	CHLORO	Fall	AP	104936	51230	781	819683	0.0015	Improving	0.6548
TF3.3	CHLORO	Fall	BP	84957	81707	1539	1307317	<0.0001	Improving	0.5792
TF3.3	CHLORO_C	Fall	AP	812136	2468341	4863	39493453	0.0004	Improving	0.5376
TF3.3	CHLORO_C	Fall	BP	1480569	2402014	2596	38432225	<0.0001	Improving	0.7266
TF3.3	CRYPTO	Fall	AP	922713	42102	73	673639	0.0076	Increasing	0.3798

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
TF3.3	CRYPTO	Fall	BP	1161510	9165	13	146637	0.4806	No trend	0.5044
TF3.3	CRYPTO_C	Fall	AP	22154339	1010879	73	16174061	0.0076	Increasing	0.3798
TF3.3	CRYPTO_C	Fall	BP	27887855	220047	13	3520750	0.4806	No trend	0.5044
TF3.3	CYANO	Fall	AP	244189	321777	2108	5148436	0.0001	Degrading	0.3238
TF3.3	CYANO	Fall	BP	626939	496554	1267	7944859	<0.0001	Degrading	0.5851
TF3.3	CYANO_C	Fall	AP	1004652	1051345	1674	16821520	0.0009	Degrading	0.2064
TF3.3	CYANO_C	Fall	BP	1301399	1756467	2159	28103467	0.0001	Degrading	0.5575
TF3.3	DIATOM	Fall	AP	1642213	376172	367	6018754	<0.0001	Improving	0.6975
TF3.3	DIATOM	Fall	BP	1143013	627168	878	10034693	<0.0001	Improving	0.5952
TF3.3	DIATOM_C	Fall	AP	28753789	21798970	1213	348783514	0.0001	Improving	0.3477
TF3.3	DIATOM_C	Fall	BP	25652459	29456302	1837	471300830	<0.0001	Improving	0.4047
TF3.3	DINOFL_C	Fall	AP	2376747	0	0	0	0.8192	No trend	0.7481
TF3.3	DINOFL_C	Fall	BP	1190723	0	0	0	0.7594	No trend	0.8699
TF3.3	DINOFLG	Fall	AP	80576	-1164	-23	-18628	0.2132	No trend	0.9251
TF3.3	DINOFLG	Fall	BP	46697	0	0	0	0.8782	No trend	0.6052
TF3.3	EVENNESS	Fall	AP	0.59	0.00	0.00	0.00	0.4806	No trend	0.5888
TF3.3	EVENNESS	Fall	BP	0.57	0.00	0.00	0.00	0.8403	No trend	0.3419
TF3.3	MARGALEF	Fall	AP	1.46	0.00	0.00	0.00	0.8799	No trend	0.7259
TF3.3	MARGALEF	Fall	BP	1.51	0.03	31.79	0.48	0.0556	No trend	0.8975
TF3.3	N_GENERA	Fall	AP	21.00	0.25	19.05	4.00	0.2244	No trend	0.5703
TF3.3	N_GENERA	Fall	BP	20.50	0.67	52.29	10.72	0.0039	Improving	0.9615
TF3.3	N_SP	Fall	AP	23.00	0.17	11.83	2.72	0.4785	No trend	0.5436
TF3.3	N_SP	Fall	BP	23.50	0.83	56.51	13.28	0.0162	Improving	0.9130
TF3.3	PROCAR_C	Fall	AP	0.01	0.00	0.00	0.00	0.2266	No trend	0.2029
TF3.3	PROCAR_C	Fall	BP	0.01	0.00	0.00	0.00	0.3645	No trend	0.4800
TF3.3	PROCARY	Fall	AP	0.08	0.02	400.00	0.32	0.0205	Degrading	0.1758
TF3.3	PROCARY	Fall	BP	0.17	0.04	376.47	0.64	0.0076	Degrading	0.8023
TF3.3	RATIO	Fall	AP	21.58	0.36	26.69	5.76	0.3385	No trend	0.2475
TF3.3	RATIO	Fall	BP	22.28	0.67	48.11	10.72	0.1738	No trend	0.4749
TF3.3	SHANNON	Fall	AP	2.69	-0.01	-5.95	-0.16	0.7243	No trend	0.6764
TF3.3	SHANNON	Fall	BP	2.79	0.02	11.47	0.32	0.2677	No trend	0.6608
TF3.3	TOTABUND	Fall	AP	4149222	1577713	608	25243415	<0.0001	Increasing	0.9043
TF3.3	TOTABUND	Fall	BP	3848972	1502315	625	24037033	<0.0001	Increasing	0.5623
TF3.3	TOTBMASS	Fall	AP	84678815	29059710	549	464955354	0.0001	Increasing	0.4598
TF3.3	TOTBMASS	Fall	BP	84813492	35689137	673	571026198	<0.0001	Increasing	0.6662
TF3.3	CHLORO	SAV1	AP	124395	69728	897	1115648	<0.0001	Improving	0.6511
TF3.3	CHLORO	SAV1	BP	54882	92226	2689	1475623	<0.0001	Improving	0.2901
TF3.3	CHLORO_C	SAV1	AP	1132620	4462744	6304	71403907	<0.0001	Improving	0.6700
TF3.3	CHLORO_C	SAV1	BP	1357041	2854174	3365	45666781	<0.0001	Improving	0.7100
TF3.3	CRYPTO	SAV1	AP	922713	46298	80	740774	0.0052	Increasing	0.5670
TF3.3	CRYPTO	SAV1	BP	472653	53172	180	850753	0.0001	Increasing	0.0936
TF3.3	CRYPTO_C	SAV1	AP	22154339	1155228	83	18483647	0.0037	Increasing	0.6246
TF3.3	CRYPTO_C	SAV1	BP	7723993	1324674	274	21194778	0.0001	Increasing	0.0971
TF3.3	CYANO	SAV1	AP	176484	303479	2751	4855666	<0.0001	Degrading	0.6490
TF3.3	CYANO	SAV1	BP	616944	274616	712	4393855	<0.0001	Degrading	0.7439
TF3.3	CYANO_C	SAV1	AP	1918611	1031755	860	16508077	<0.0001	Degrading	0.4441
TF3.3	CYANO_C	SAV1	BP	2393500	965356	645	15445695	<0.0001	Degrading	0.9484
TF3.3	DIATOM	SAV1	AP	2079616	536094	412	8577499	<0.0001	Improving	0.6134
TF3.3	DIATOM	SAV1	BP	2222621	747121	538	11953934	<0.0001	Improving	0.0824
TF3.3	DIATOM_C	SAV1	AP	52260593	28024040	858	448384642	<0.0001	Improving	0.6076
TF3.3	DIATOM_C	SAV1	BP	63950844	41594758	1041	665516120	<0.0001	Improving	0.1789
TF3.3	DINOFL_C	SAV1	AP	881362	8884	16	142149	0.1674	No trend	0.7172
TF3.3	DINOFL_C	SAV1	BP	848139	0	0	0	0.2686	No trend	0.6222
TF3.3	DINOFLG	SAV1	AP	12563	0	0	0	0.7429	No trend	0.8673
TF3.3	DINOFLG	SAV1	BP	5760	0	0	0	1.0000	No trend	0.8900
TF3.3	EVENNESS	SAV1	AP	0.57	0.00	0.00	0.00	0.3939	No trend	0.5203
TF3.3	EVENNESS	SAV1	BP	0.57	0.00	0.00	0.00	0.1426	No trend	0.4086
TF3.3	MARGALEF	SAV1	AP	1.46	0.00	0.00	0.00	0.8915	No trend	0.9677
TF3.3	MARGALEF	SAV1	BP	1.63	0.02	19.63	0.32	0.0656	No trend	0.7496
TF3.3	N_GENERA	SAV1	AP	20.00	0.25	20.00	4.00	0.0528	No trend	0.8024

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
TF3.3	N_GENERA	SAV1	BP	23.50	0.50	34.04	8.00	0.0001	Improving	0.7810
TF3.3	N_SP	SAV1	AP	23.00	0.17	11.83	2.72	0.2437	No trend	0.7706
TF3.3	N_SP	SAV1	BP	25.50	0.50	31.37	8.00	0.0047	Improving	0.8427
TF3.3	PROCAR_C	SAV1	AP	0.03	0.00	0.00	0.00	0.3939	No trend	0.0465
TF3.3	PROCAR_C	SAV1	BP	0.02	0.00	0.00	0.00	0.5621	No trend	0.3764
TF3.3	PROCARY	SAV1	AP	0.08	0.02	400.00	0.32	0.0002	Degrading	0.4790
TF3.3	PROCARY	SAV1	BP	0.16	0.01	100.00	0.16	0.0034	Degrading	0.6065
TF3.3	RATIO	SAV1	AP	23.22	1.11	76.49	17.76	0.0105	Improving	0.1041
TF3.3	RATIO	SAV1	BP	28.10	0.55	31.32	8.80	0.1521	No trend	0.8994
TF3.3	SHANNON	SAV1	AP	2.60	0.02	12.31	0.32	0.0947	No trend	0.9476
TF3.3	SHANNON	SAV1	BP	2.60	0.03	18.46	0.48	0.0375	Improving	0.8315
TF3.3	TOTABUND	SAV1	AP	3502567	1197558	547	19160928	<0.0001	Increasing	0.8651
TF3.3	TOTABUND	SAV1	BP	3651277	1522667	667	24362671	<0.0001	Increasing	0.7356
TF3.3	TOTBMASS	SAV1	AP	81680308	47989749	940	767835981	<0.0001	Increasing	0.5578
TF3.3	TOTBMASS	SAV1	BP	101220635	61234586	968	979753371	<0.0001	Increasing	0.9165
TF3.3	CHLORO	SAV2	AP	177611	116871	1053	1869932	<0.0001	Improving	0.7474
TF3.3	CHLORO	SAV2	BP	100543	102253	1627	1636055	<0.0001	Improving	0.5454
TF3.3	CHLORO_C	SAV2	AP	3532021	8849365	4009	141589834	<0.0001	Improving	0.9905
TF3.3	CHLORO_C	SAV2	BP	1892417	5748049	4860	91968782	<0.0001	Improving	0.8272
TF3.3	CRYPTO	SAV2	AP	862125	52148	97	834370	0.0033	Increasing	0.7554
TF3.3	CRYPTO	SAV2	BP	496544	55260	178	884166	<0.0001	Increasing	0.3326
TF3.3	CRYPTO_C	SAV2	AP	18013887	1274226	113	20387618	0.0024	Increasing	0.8038
TF3.3	CRYPTO_C	SAV2	BP	8885921	1395771	251	22332340	<0.0001	Increasing	0.3473
TF3.3	CYANO	SAV2	AP	82925	505728	9758	8091649	<0.0001	Degrading	0.4277
TF3.3	CYANO	SAV2	BP	616944	438202	1136	7011225	<0.0001	Degrading	0.9855
TF3.3	CYANO_C	SAV2	AP	1409104	2305912	2618	36894587	<0.0001	Degrading	0.3908
TF3.3	CYANO_C	SAV2	BP	2832873	1792238	1012	28675801	<0.0001	Degrading	0.8884
TF3.3	DIATOM	SAV2	AP	2364886	643371	435	10293937	<0.0001	Improving	0.7436
TF3.3	DIATOM	SAV2	BP	3547893	794426	358	12710809	<0.0001	Improving	0.5445
TF3.3	DIATOM_C	SAV2	AP	72419559	35260114	779	564161822	<0.0001	Improving	0.9492
TF3.3	DIATOM_C	SAV2	BP	90401755	43101315	763	689621034	<0.0001	Improving	0.7198
TF3.3	DINOFL_C	SAV2	AP	1279856	156689	196	2507020	0.0084	Degrading	0.6160
TF3.3	DINOFL_C	SAV2	BP	1025393	22866	36	365859	0.0515	No trend	0.5246
TF3.3	DINOFLG	SAV2	AP	22128	233	17	3720	0.0939	No trend	0.6935
TF3.3	DINOFLG	SAV2	BP	8192	0	0	0	0.3381	No trend	0.9203
TF3.3	EVENNESS	SAV2	AP	0.57	0.01	28.07	0.16	0.0118	Improving	0.8557
TF3.3	EVENNESS	SAV2	BP	0.56	0.00	0.00	0.00	0.0359	No change	0.8897
TF3.3	MARGALEF	SAV2	AP	1.62	0.01	9.88	0.16	0.2585	No trend	0.9430
TF3.3	MARGALEF	SAV2	BP	1.80	0.01	8.89	0.16	0.1212	No trend	0.9073
TF3.3	N_GENERA	SAV2	AP	23.00	0.40	27.83	6.40	0.0035	Improving	0.8943
TF3.3	N_GENERA	SAV2	BP	26.50	0.50	30.19	8.00	0.0003	Improving	0.7883
TF3.3	N_SP	SAV2	AP	25.50	0.33	20.71	5.28	0.0442	Improving	0.8298
TF3.3	N_SP	SAV2	BP	28.50	0.46	25.82	7.36	0.0062	Improving	0.9066
TF3.3	PROCAR_C	SAV2	AP	0.01	0.00	0.00	0.00	0.0758	No trend	0.0847
TF3.3	PROCAR_C	SAV2	BP	0.01	0.00	0.00	0.00	0.8464	No trend	0.7548
TF3.3	PROCARY	SAV2	AP	0.03	0.03	1600.00	0.48	0.0003	Degrading	0.5682
TF3.3	PROCARY	SAV2	BP	0.15	0.01	106.67	0.16	0.0359	Degrading	0.9503
TF3.3	RATIO	SAV2	AP	23.22	0.89	61.33	14.24	0.0074	Improving	0.0891
TF3.3	RATIO	SAV2	BP	25.11	0.85	54.16	13.60	0.0081	Improving	0.9239
TF3.3	SHANNON	SAV2	AP	2.62	0.04	24.43	0.64	0.0081	Improving	0.8050
TF3.3	SHANNON	SAV2	BP	2.71	0.03	17.71	0.48	0.0081	Improving	0.8877
TF3.3	TOTABUND	SAV2	AP	5315567	1836549	553	29384782	<0.0001	Increasing	0.4497
TF3.3	TOTABUND	SAV2	BP	5963939	1898954	509	30383260	<0.0001	Increasing	0.8833
TF3.3	TOTBMASS	SAV2	AP	100460479	69057233	1100	1104915733	<0.0001	Increasing	0.6576
TF3.3	TOTBMASS	SAV2	BP	156682905	72093188	736	1153491006	<0.0001	Increasing	0.9540
TF3.3	CHLORO	Spring1	AP	136491	74559	874	1192940	0.0001	Improving	0.4166
TF3.3	CHLORO	Spring1	BP	32163	95608	4756	1529730	<0.0001	Improving	0.9884
TF3.3	CHLORO_C	Spring1	AP	2819101	4093724	2323	65499579	<0.0001	Improving	0.4300
TF3.3	CHLORO_C	Spring1	BP	570543	4550178	12760	72802845	<0.0001	Improving	0.9959
TF3.3	CRYPTO	Spring1	AP	489802	30825	101	493199	0.1829	No trend	0.5566

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
TF3.3	CRYPTO	Spring1	BP	220986	75144	544	1202300	0.0001	Increasing	0.3893
TF3.3	CRYPTO_C	Spring1	AP	6762976	757740	179	12123842	0.1403	No trend	0.6204
TF3.3	CRYPTO_C	Spring1	BP	5128071	1824055	569	29184880	<0.0001	Increasing	0.4970
TF3.3	CYANO	Spring1	AP	287707	248855	1384	3981677	0.0001	Degrading	0.5061
TF3.3	CYANO	Spring1	BP	616944	127685	331	2042968	0.0023	Degrading	0.8652
TF3.3	CYANO_C	Spring1	AP	2205989	665243	482	10643895	0.0010	Degrading	0.4055
TF3.3	CYANO_C	Spring1	BP	3003617	651284	347	10420546	0.0032	Degrading	0.6120
TF3.3	DIATOM	Spring1	AP	2808887	279957	159	4479305	0.0058	Improving	0.7814
TF3.3	DIATOM	Spring1	BP	2969732	479546	258	7672732	0.0102	Improving	0.0649
TF3.3	DIATOM_C	Spring1	AP	77981323	24103289	495	385652621	<0.0001	Improving	0.2128
TF3.3	DIATOM_C	Spring1	BP	91698957	29246762	510	467948187	0.0023	Improving	0.3368
TF3.3	DINOFL_C	Spring1	AP	200711	0	0	0	0.7905	No trend	0.8995
TF3.3	DINOFL_C	Spring1	BP	254219	0	0	0	0.4364	No trend	0.3306
TF3.3	DINOFLG	Spring1	AP	896	0	0	0	0.5297	No trend	0.8658
TF3.3	DINOFLG	Spring1	BP	832	0	0	0	0.8207	No trend	0.6387
TF3.3	EVENNESS	Spring1	AP	0.56	0.01	28.57	0.16	0.1536	No trend	0.7171
TF3.3	EVENNESS	Spring1	BP	0.55	0.01	29.09	0.16	0.0571	No trend	0.4389
TF3.3	MARGALEF	Spring1	AP	1.58	0.00	0.00	0.00	0.8865	No trend	0.8790
TF3.3	MARGALEF	Spring1	BP	1.43	0.02	22.38	0.32	0.1058	No trend	0.5165
TF3.3	N_GENERA	Spring1	AP	22.00	0.23	16.73	3.68	0.1808	No trend	0.5738
TF3.3	N_GENERA	Spring1	BP	21.50	0.61	45.40	9.76	0.0035	Improving	0.3702
TF3.3	N_SP	Spring1	AP	25.00	0.15	9.60	2.40	0.3748	No trend	0.5226
TF3.3	N_SP	Spring1	BP	23.00	0.63	43.83	10.08	0.0220	Improving	0.5023
TF3.3	PROCAR_C	Spring1	AP	0.04	0.00	0.00	0.00	0.9621	No trend	0.0261
TF3.3	PROCAR_C	Spring1	BP	0.05	0.00	0.00	0.00	0.6343	No trend	0.0884
TF3.3	PROCARY	Spring1	AP	0.09	0.02	355.56	0.32	0.0058	Degrading	0.6246
TF3.3	PROCARY	Spring1	BP	0.15	0.01	106.67	0.16	0.0571	No trend	0.2711
TF3.3	RATIO	Spring1	AP	24.08	1.49	99.00	23.84	0.0364	Improving	0.0200
TF3.3	RATIO	Spring1	BP	29.28	0.84	45.90	13.44	0.3179	No trend	0.5970
TF3.3	SHANNON	Spring1	AP	2.52	0.04	25.40	0.64	0.0784	No trend	0.9450
TF3.3	SHANNON	Spring1	BP	2.51	0.05	31.87	0.80	0.0408	Improving	0.5797
TF3.3	TOTABUND	Spring1	AP	3528013	791613	359	12665807	0.0003	Increasing	0.5165
TF3.3	TOTABUND	Spring1	BP	3651277	1326799	581	21228789	<0.0001	Increasing	0.4520
TF3.3	TOTBMASS	Spring1	AP	91550877	41011129	717	656178070	<0.0001	Increasing	0.2644
TF3.3	TOTBMASS	Spring1	BP	101220635	53322327	843	853157226	0.0001	Increasing	0.5453
TF3.3	CHLORO	Spring2	AP	238424	138864	932	2221832	<0.0001	Improving	0.9339
TF3.3	CHLORO	Spring2	BP	42073	143941	5474	2303048	<0.0001	Improving	0.9278
TF3.3	CHLORO_C	Spring2	AP	3712975	9011182	3883	144178915	<0.0001	Improving	0.9366
TF3.3	CHLORO_C	Spring2	BP	343616	12232038	56957	195712608	<0.0001	Improving	0.9978
TF3.3	CRYPTO	Spring2	AP	1082303	28345	42	453525	0.2819	No trend	0.7440
TF3.3	CRYPTO	Spring2	BP	370093	77609	336	1241751	0.0012	Increasing	0.2896
TF3.3	CRYPTO_C	Spring2	AP	20988926	714800	54	11436795	0.2214	No trend	0.8033
TF3.3	CRYPTO_C	Spring2	BP	7546190	1873465	397	29975435	0.0007	Increasing	0.3299
TF3.3	CYANO	Spring2	AP	82925	398052	7680	6368836	<0.0001	Degrading	0.3842
TF3.3	CYANO	Spring2	BP	616944	226637	588	3626196	0.0012	Degrading	0.7642
TF3.3	CYANO_C	Spring2	AP	1480976	1030522	1113	16488345	0.0001	Degrading	0.0845
TF3.3	CYANO_C	Spring2	BP	3442989	715350	332	11445600	0.0024	Degrading	0.5417
TF3.3	DIATOM	Spring2	AP	2808887	478591	273	7657463	0.0007	Improving	0.4745
TF3.3	DIATOM	Spring2	BP	3675459	841096	366	13457532	<0.0001	Improving	0.3825
TF3.3	DIATOM_C	Spring2	AP	72419559	40350751	891	645612011	<0.0001	Improving	0.5385
TF3.3	DIATOM_C	Spring2	BP	119874715	49365870	659	789853917	<0.0001	Improving	0.5250
TF3.3	DINOFL_C	Spring2	AP	836410	3529	7	56458	0.3999	No trend	0.4605
TF3.3	DINOFL_C	Spring2	BP	747239	0	0	0	0.5377	No trend	0.3011
TF3.3	DINOFLG	Spring2	AP	2432	64	42	1024	0.2155	No trend	0.3762
TF3.3	DINOFLG	Spring2	BP	2880	0	0	0	0.6250	No trend	0.6404
TF3.3	EVENNESS	Spring2	AP	0.57	0.01	28.07	0.16	0.0869	No trend	0.9067
TF3.3	EVENNESS	Spring2	BP	0.57	0.00	0.00	0.00	0.2606	No trend	0.7830
TF3.3	MARGALEF	Spring2	AP	1.62	0.01	9.88	0.16	0.4339	No trend	0.4491
TF3.3	MARGALEF	Spring2	BP	1.72	0.02	18.60	0.32	0.2819	No trend	0.5498
TF3.3	N_GENERA	Spring2	AP	23.00	0.35	24.35	5.60	0.0814	No trend	0.3599

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
TF3.3	N_GENERA	Spring2	BP	25.50	0.50	31.37	8.00	0.0347	Improving	0.3907
TF3.3	N_SP	Spring2	AP	25.50	0.30	18.82	4.80	0.1752	No trend	0.2794
TF3.3	N_SP	Spring2	BP	27.50	0.46	26.76	7.36	0.0955	No trend	0.5036
TF3.3	PROCAR_C	Spring2	AP	0.02	0.00	0.00	0.00	0.5249	No trend	0.0106
TF3.3	PROCAR_C	Spring2	BP	0.04	0.00	0.00	0.00	0.7692	No trend	0.2425
TF3.3	PROCARY	Spring2	AP	0.03	0.02	1066.67	0.32	0.0071	Degrading	0.6365
TF3.3	PROCARY	Spring2	BP	0.15	0.01	106.67	0.16	0.1866	No trend	0.5046
TF3.3	RATIO	Spring2	AP	21.84	1.42	104.03	22.72	0.0277	Improving	0.0200
TF3.3	RATIO	Spring2	BP	34.37	1.29	60.05	20.64	0.1175	No trend	0.7015
TF3.3	SHANNON	Spring2	AP	2.62	0.04	24.43	0.64	0.0631	No trend	0.9789
TF3.3	SHANNON	Spring2	BP	2.76	0.04	23.19	0.64	0.0564	No trend	0.6295
TF3.3	TOTABUND	Spring2	AP	4336168	1326528	489	21224452	<0.0001	Increasing	0.0920
TF3.3	TOTABUND	Spring2	BP	5188451	2226086	686	35617370	<0.0001	Increasing	0.6310
TF3.3	TOTBMASS	Spring2	AP	100460479	80268549	1278	1284296781	<0.0001	Increasing	0.1502
TF3.3	TOTBMASS	Spring2	BP	158036502	87891241	890	1406259859	<0.0001	Increasing	0.7538
TF3.3	CHLORO	Summer1	AP	259465	110953	684	1775244	0.0001	Improving	0.5088
TF3.3	CHLORO	Summer1	BP	122778	90307	1177	1444918	0.0018	Improving	0.4439
TF3.3	CHLORO_C	Summer1	AP	3805262	9346750	3930	149548007	<0.0001	Improving	0.9606
TF3.3	CHLORO_C	Summer1	BP	1468460	5805822	6326	92893147	<0.0001	Improving	0.5741
TF3.3	CRYPTO	Summer1	AP	559466	61014	174	976226	0.0176	Increasing	0.9128
TF3.3	CRYPTO	Summer1	BP	534912	59619	178	953900	0.0007	Increasing	0.8054
TF3.3	CRYPTO_C	Summer1	AP	13432767	1464949	174	23439180	0.0176	Increasing	0.9128
TF3.3	CRYPTO_C	Summer1	BP	12843237	1431447	178	22903146	0.0006	Increasing	0.8221
TF3.3	CYANO	Summer1	AP	73805	954442	20691	15271067	0.0002	Degrading	0.3649
TF3.3	CYANO	Summer1	BP	577215	620963	1721	9935405	0.0004	Degrading	0.8610
TF3.3	CYANO_C	Summer1	AP	1103550	4475100	6488	71601603	<0.0001	Degrading	0.3994
TF3.3	CYANO_C	Summer1	BP	2525855	3075204	1948	49203257	<0.0001	Degrading	0.8439
TF3.3	DIATOM	Summer1	AP	2782737	741445	426	11863121	<0.0001	Improving	0.9877
TF3.3	DIATOM	Summer1	BP	4448707	766587	276	12265394	<0.0001	Improving	0.4006
TF3.3	DIATOM_C	Summer1	AP	80032918	40597654	812	649562462	<0.0001	Improving	0.9512
TF3.3	DIATOM_C	Summer1	BP	118945300	40808351	549	652933616	<0.0001	Improving	0.3547
TF3.3	DINOFL_C	Summer1	AP	1279856	581396	727	9302344	0.0009	Degrading	0.9491
TF3.3	DINOFL_C	Summer1	BP	1094847	218459	319	3495347	0.0364	Degrading	0.6134
TF3.3	DINOFLG	Summer1	AP	26165	5040	308	80643	0.0195	Degrading	0.8231
TF3.3	DINOFLG	Summer1	BP	17625	512	46	8192	0.2014	No trend	0.9837
TF3.3	EVENNESS	Summer1	AP	0.56	0.01	28.57	0.16	0.0279	Improving	0.6789
TF3.3	EVENNESS	Summer1	BP	0.55	0.00	0.00	0.00	0.0348	No change	0.8023
TF3.3	MARGALEF	Summer1	AP	1.72	0.02	18.60	0.32	0.2023	No trend	0.8145
TF3.3	MARGALEF	Summer1	BP	1.80	0.01	8.89	0.16	0.3559	No trend	0.8223
TF3.3	N_GENERA	Summer1	AP	24.50	0.50	32.65	8.00	0.0099	Improving	0.9008
TF3.3	N_GENERA	Summer1	BP	27.00	0.50	29.63	8.00	0.0092	Improving	0.6766
TF3.3	N_SP	Summer1	AP	28.50	0.56	31.44	8.96	0.0741	No trend	0.7704
TF3.3	N_SP	Summer1	BP	29.50	0.40	21.69	6.40	0.0522	No trend	0.8168
TF3.3	PROCAR_C	Summer1	AP	0.00	0.00		0.00	0.1239	No trend	0.8505
TF3.3	PROCAR_C	Summer1	BP	0.01	0.00	0.00	0.00	0.7583	No trend	0.9843
TF3.3	PROCARY	Summer1	AP	0.03	0.04	2133.33	0.64	0.0479	Degrading	0.6366
TF3.3	PROCARY	Summer1	BP	0.14	0.02	228.57	0.32	0.1135	No trend	0.9752
TF3.3	RATIO	Summer1	AP	24.73	0.53	34.29	8.48	0.1595	No trend	0.5362
TF3.3	RATIO	Summer1	BP	21.66	0.80	59.10	12.80	0.0176	Improving	0.8097
TF3.3	SHANNON	Summer1	AP	2.52	0.04	25.40	0.64	0.0279	Improving	0.4775
TF3.3	SHANNON	Summer1	BP	2.71	0.03	17.71	0.48	0.0198	Improving	0.7576
TF3.3	TOTABUND	Summer1	AP	6370297	2189649	550	35034389	<0.0001	Increasing	0.2784
TF3.3	TOTABUND	Summer1	BP	7103844	1957658	441	31322521	<0.0001	Increasing	0.8594
TF3.3	TOTBMASS	Summer1	AP	150188729	74181742	790	1186907877	<0.0001	Increasing	0.8658
TF3.3	TOTBMASS	Summer1	BP	167460083	71550381	684	1144806090	<0.0001	Increasing	0.6775
TF3.3	CHLORO	Summer2	AP	331488	95221	460	1523541	0.0102	Improving	0.9944
TF3.3	CHLORO	Summer2	BP	248769	70557	454	1128917	0.0266	Improving	0.4188
TF3.3	CHLORO_C	Summer2	AP	3805262	8258332	3472	132133313	<0.0001	Improving	0.9030
TF3.3	CHLORO_C	Summer2	BP	2869895	5076396	2830	81222341	0.0007	Improving	0.5017
TF3.3	CRYPTO	Summer2	AP	559466	62042	177	992665	0.0439	Increasing	0.7717

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
TF3.3	CRYPTO	Summer2	BP	477625	63823	214	1021166	0.0013	Increasing	0.7263
TF3.3	CRYPTO_C	Summer2	AP	13432767	1489618	177	23833880	0.0439	Increasing	0.7717
TF3.3	CRYPTO_C	Summer2	BP	11467764	1532388	214	24518200	0.0011	Increasing	0.7636
TF3.3	CYANO	Summer2	AP	736741	837669	1819	13402712	0.0136	Degrading	0.8128
TF3.3	CYANO	Summer2	BP	998990	804541	1289	12872660	0.0056	Degrading	0.8369
TF3.3	CYANO_C	Summer2	AP	9856110	5916106	960	94657702	0.0004	Degrading	0.9246
TF3.3	CYANO_C	Summer2	BP	7132076	4101440	920	65623048	0.0002	Degrading	0.6804
TF3.3	DIATOM	Summer2	AP	2909569	836286	460	13380575	<0.0001	Improving	0.9656
TF3.3	DIATOM	Summer2	BP	4458450	773014	277	12368219	<0.0001	Improving	0.2409
TF3.3	DIATOM_C	Summer2	AP	127095384	36430904	459	582894464	<0.0001	Improving	0.8906
TF3.3	DIATOM_C	Summer2	BP	117154314	40050284	547	640804541	<0.0001	Improving	0.3166
TF3.3	DINOFL_C	Summer2	AP	1613256	618028	613	9888453	0.0029	Degrading	0.8522
TF3.3	DINOFL_C	Summer2	BP	1094847	401874	587	6429984	0.0144	Degrading	0.9485
TF3.3	DINOFLG	Summer2	AP	41944	2934	112	46950	0.1009	No trend	0.8598
TF3.3	DINOFLG	Summer2	BP	17625	1168	106	18692	0.2163	No trend	0.9576
TF3.3	EVENNESS	Summer2	AP	0.53	0.01	30.19	0.16	0.0303	Improving	0.5461
TF3.3	EVENNESS	Summer2	BP	0.55	0.00	0.00	0.00	0.0389	No change	0.6866
TF3.3	MARGALEF	Summer2	AP	1.96	0.01	8.16	0.16	0.5125	No trend	0.9468
TF3.3	MARGALEF	Summer2	BP	1.81	0.01	8.84	0.16	0.3918	No trend	0.6395
TF3.3	N_GENERA	Summer2	AP	27.00	0.43	25.48	6.88	0.0579	No trend	0.9468
TF3.3	N_GENERA	Summer2	BP	27.50	0.50	29.09	8.00	0.0107	Improving	0.5678
TF3.3	N_SP	Summer2	AP	32.50	0.33	16.25	5.28	0.3001	No trend	0.9787
TF3.3	N_SP	Summer2	BP	30.00	0.43	22.93	6.88	0.0577	No trend	0.6962
TF3.3	PROCAR_C	Summer2	AP	0.02	0.00	0.00	0.00	0.3645	No trend	0.9856
TF3.3	PROCAR_C	Summer2	BP	0.06	0.00	0.00	0.00	0.8011	No trend	0.9253
TF3.3	PROCARY	Summer2	AP	0.13	0.03	369.23	0.48	0.1902	No trend	0.6107
TF3.3	PROCARY	Summer2	BP	0.19	0.02	168.42	0.32	0.2266	No trend	0.9492
TF3.3	RATIO	Summer2	AP	24.73	0.44	28.47	7.04	0.3918	No trend	0.4421
TF3.3	RATIO	Summer2	BP	21.18	0.73	55.15	11.68	0.0344	Improving	0.6222
TF3.3	SHANNON	Summer2	AP	2.56	0.05	31.25	0.80	0.0439	Improving	0.2967
TF3.3	SHANNON	Summer2	BP	2.67	0.03	17.98	0.48	0.0623	No trend	0.5815
TF3.3	TOTABUND	Summer2	AP	7344052	2049711	447	32795377	0.0004	Increasing	0.9045
TF3.3	TOTABUND	Summer2	BP	7639445	1836972	385	29391558	0.0001	Increasing	0.7043
TF3.3	TOTBMASS	Summer2	AP	213626686	67074126	502	1073186018	<0.0001	Increasing	0.9259
TF3.3	TOTBMASS	Summer2	BP	165113240	69917424	678	1118678790	<0.0001	Increasing	0.7357
TF3.3	CHLORO	Winter	AP	1267350	51414	61	771209	0.0154	Improving	0.4462
TF3.3	CHLORO	Winter	BP	123208	41825	509	627371	0.0066	Improving	0.6512
TF3.3	CHLORO_C	Winter	AP	10160004	1685592	249	25283876	0.0154	Improving	0.5390
TF3.3	CHLORO_C	Winter	BP	878697	996768	1702	14951524	0.0020	Improving	0.7190
TF3.3	CRYPTO	Winter	AP	4100705	60676	22	910139	0.0474	Increasing	0.7325
TF3.3	CRYPTO	Winter	BP	92679	44161	715	662416	0.1231	No trend	0.7157
TF3.3	CRYPTO_C	Winter	AP	98457927	1456830	22	21852446	0.0474	Increasing	0.7325
TF3.3	CRYPTO_C	Winter	BP	2225211	1060307	715	15904608	0.1231	No trend	0.7157
TF3.3	CYANO	Winter	AP	4597799	125142	41	1877134	0.0228	Degrading	0.9082
TF3.3	CYANO	Winter	BP	208519	220053	1583	3300797	0.0007	Degrading	0.8434
TF3.3	CYANO_C	Winter	AP	162796022	414381	4	6215719	0.0276	Degrading	0.9698
TF3.3	CYANO_C	Winter	BP	3513752	479138	205	7187066	0.0398	Degrading	0.3603
TF3.3	DIATOM	Winter	AP	27369930	91445	5	1371673	0.3398	No trend	0.7315
TF3.3	DIATOM	Winter	BP	2273749	117944	78	1769161	0.0913	No trend	0.9506
TF3.3	DIATOM_C	Winter	AP	1145276044	14263954	19	213959305	0.0398	Improving	0.5760
TF3.3	DIATOM_C	Winter	BP	88328412	13680689	232	205210329	0.0016	Improving	0.0402
TF3.3	DINOFL_C	Winter	AP	0	0		0	0.7146	No trend	0.3455
TF3.3	DINOFL_C	Winter	BP	192300	0	0	0	0.3409	No trend	0.9481
TF3.3	DINOFLG	Winter	AP	0	0		0	0.6255	No trend	0.2502
TF3.3	DINOFLG	Winter	BP	640	0	0	0	0.3602	No trend	0.7216
TF3.3	EVENNESS	Winter	AP	0.71	0.00	0.00	0.00	0.5087	No trend	0.4817
TF3.3	EVENNESS	Winter	BP	0.62	0.00	0.00	0.00	0.8833	No trend	0.6007
TF3.3	MARGALEF	Winter	AP	1.49	0.02	20.13	0.30	0.2708	No trend	0.9270
TF3.3	MARGALEF	Winter	BP	1.52	0.01	9.87	0.15	0.3783	No trend	0.9058
TF3.3	N_GENERA	Winter	AP	21.50	0.35	24.42	5.25	0.0645	No trend	0.6668

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
TF3.3	N_GENERA	Winter	BP	20.50	0.42	30.73	6.30	0.1121	No trend	0.9660
TF3.3	N_SP	Winter	AP	25.50	0.27	15.88	4.05	0.1605	No trend	0.6530
TF3.3	N_SP	Winter	BP	23.50	0.46	29.36	6.90	0.1508	No trend	0.7986
TF3.3	PROCAR_C	Winter	AP	0.08	0.00	0.00	0.00	0.2401	No trend	0.8716
TF3.3	PROCAR_C	Winter	BP	0.03	0.00	0.00	0.00	0.4193	No trend	0.4366
TF3.3	PROCARY	Winter	AP	0.14	0.02	214.29	0.30	0.0033	Degrading	0.7115
TF3.3	PROCARY	Winter	BP	0.08	0.03	562.50	0.45	0.0102	Degrading	0.8692
TF3.3	RATIO	Winter	AP	33.49	0.72	32.25	10.80	0.3398	No trend	0.3254
TF3.3	RATIO	Winter	BP	34.11	1.02	44.85	15.30	0.2120	No trend	0.5004
TF3.3	SHANNON	Winter	AP	3.30	0.03	13.64	0.45	0.3398	No trend	0.4910
TF3.3	SHANNON	Winter	BP	2.82	0.02	10.64	0.30	0.6073	No trend	0.7483
TF3.3	TOTABUND	Winter	AP	39240562	242612	9	3639178	0.1062	No trend	0.8892
TF3.3	TOTABUND	Winter	BP	2782099	546965	295	8204478	0.0002	Increasing	0.6891
TF3.3	TOTBMASS	Winter	AP	1427123467	19002032	20	285030477	0.0563	No trend	0.5709
TF3.3	TOTBMASS	Winter	BP	96428767	27789936	432	416849038	0.0033	Increasing	0.0467
RET3.1	CHLORO	Annual	AP	80215	46559	929	744943	<0.0001	Improving	0.1387
RET3.1	CHLORO	Annual	BP	1600	36038	36038	576612	<0.0001	Improving	0.5964
RET3.1	CHLORO_C	Annual	AP	1126203	1260635	1791	20170162	<0.0001	Improving	0.6537
RET3.1	CHLORO_C	Annual	BP	56207	751141	21382	12018256	<0.0001	Improving	0.8172
RET3.1	CRYPTO	Annual	AP	891648	53857	97	861712	0.0005	Increasing	0.1138
RET3.1	CRYPTO	Annual	BP	517122	79072	245	1265153	<0.0001	Increasing	0.4010
RET3.1	CRYPTO_C	Annual	AP	21408468	1293107	97	20689705	0.0005	Increasing	0.1138
RET3.1	CRYPTO_C	Annual	BP	12416099	1917501	247	30680018	<0.0001	Increasing	0.4196
RET3.1	CYANO	Annual	AP	158336	197308	1994	3156931	<0.0001	Degrading	0.8144
RET3.1	CYANO	Annual	BP	123978	148620	1918	2377925	<0.0001	Degrading	0.9583
RET3.1	CYANO_C	Annual	AP	2066150	919226	712	14707610	<0.0001	Degrading	0.3565
RET3.1	CYANO_C	Annual	BP	1177554	590725	803	9451599	<0.0001	Degrading	0.7593
RET3.1	DIATOM	Annual	AP	3266161	286582	140	4585318	0.0002	Improving	0.7748
RET3.1	DIATOM	Annual	BP	2770435	391857	226	6269713	<0.0001	Improving	0.6312
RET3.1	DIATOM_C	Annual	AP	111529473	15961016	229	255376258	<0.0001	Improving	0.4938
RET3.1	DIATOM_C	Annual	BP	110714361	19649754	284	314396059	<0.0001	Improving	0.5374
RET3.1	DINOFL_C	Annual	AP	21708212	-150918	-11	-2414688	0.1282	No trend	0.9776
RET3.1	DINOFL_C	Annual	BP	8079149	0	0	0	0.9287	No trend	0.9449
RET3.1	DINOFLG	Annual	AP	446736	-6395	-23	-102317	0.0010	Improving	0.8590
RET3.1	DINOFLG	Annual	BP	106172	-512	-8	-8192	0.2101	No trend	0.7310
RET3.1	EVENNESS	Annual	AP	0.54	0.00	0.00	0.00	0.0176	No change	0.6480
RET3.1	EVENNESS	Annual	BP	0.56	0.00	0.00	0.00	0.0034	No change	0.6387
RET3.1	MARGALEF	Annual	AP	1.76	0.01	9.09	0.16	0.5463	No trend	0.8669
RET3.1	MARGALEF	Annual	BP	1.28	0.01	12.50	0.16	0.0592	No trend	0.1986
RET3.1	N_GENERA	Annual	AP	26.50	0.33	19.92	5.28	0.0009	Improving	0.6805
RET3.1	N_GENERA	Annual	BP	19.00	0.38	32.00	6.08	<0.0001	Improving	0.5892
RET3.1	N_SP	Annual	AP	29.00	0.20	11.03	3.20	0.0366	Improving	0.7211
RET3.1	N_SP	Annual	BP	21.00	0.33	25.14	5.28	0.0019	Improving	0.3325
RET3.1	PROCAR_C	Annual	AP	0.01	0.00	0.00	0.00	0.0005	No change	0.8083
RET3.1	PROCAR_C	Annual	BP	0.00	0.00		0.00	0.0037	No change	0.8868
RET3.1	PROCARY	Annual	AP	0.02	0.02	1600.00	0.32	<0.0001	Degrading	0.8114
RET3.1	PROCARY	Annual	BP	0.03	0.02	1066.67	0.32	<0.0001	Degrading	0.8994
RET3.1	RATIO	Annual	AP	35.30	0.12	5.44	1.92	0.6719	No trend	0.9940
RET3.1	RATIO	Annual	BP	25.96	0.51	31.43	8.16	0.1028	No trend	0.6979
RET3.1	SHANNON	Annual	AP	2.79	0.03	17.20	0.48	0.0053	Improving	0.6348
RET3.1	SHANNON	Annual	BP	2.48	0.03	19.35	0.48	<0.0001	Improving	0.6640
RET3.1	TOTABUND	Annual	AP	6640168	869940	210	13919045	<0.0001	Increasing	0.4304
RET3.1	TOTABUND	Annual	BP	4932382	923062	299	14768996	<0.0001	Increasing	0.8835
RET3.1	TOTBMASS	Annual	AP	336911682	29505636	140	472090181	<0.0001	Increasing	0.0699
RET3.1	TOTBMASS	Annual	BP	178076290	31101065	279	497617043	<0.0001	Increasing	0.7181
RET3.1	CHLORO	Fall	AP	66875	25776	617	412411	0.0011	Improving	0.6799
RET3.1	CHLORO	Fall	BP	55859	23963	686	383412	0.0026	Improving	0.1559
RET3.1	CHLORO_C	Fall	AP	1494513	425824	456	6813180	0.0044	Improving	0.3271
RET3.1	CHLORO_C	Fall	BP	1248620	512910	657	8206560	0.0036	Improving	0.1323
RET3.1	CRYPTO	Fall	AP	994790	14204	23	227264	0.7364	No trend	0.3216

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
RET3.1	CRYPTO	Fall	BP	769280	46055	96	736888	0.1584	No trend	0.3940
RET3.1	CRYPTO_C	Fall	AP	23884908	341038	23	5456609	0.7364	No trend	0.3216
RET3.1	CRYPTO_C	Fall	BP	18470413	1105792	96	17692667	0.1584	No trend	0.3940
RET3.1	CYANO	Fall	AP	121128	193031	2550	3088501	0.0001	Degrading	0.9411
RET3.1	CYANO	Fall	BP	138815	133139	1535	2130226	0.0001	Degrading	0.9400
RET3.1	CYANO_C	Fall	AP	964294	843512	1400	13496195	0.0024	Degrading	0.7456
RET3.1	CYANO_C	Fall	BP	840938	525364	1000	8405817	0.0013	Degrading	0.7208
RET3.1	DIATOM	Fall	AP	3107866	232270	120	3716314	0.1142	No trend	0.3337
RET3.1	DIATOM	Fall	BP	2431795	515102	339	8241634	0.0021	Improving	0.3085
RET3.1	DIATOM_C	Fall	AP	60271525	11271690	299	180347043	0.0184	Improving	0.1479
RET3.1	DIATOM_C	Fall	BP	62513247	20249079	518	323985264	0.0003	Improving	0.5479
RET3.1	DINOFL_C	Fall	AP	18860242	-246308	-21	-3940920	0.2880	No trend	0.9164
RET3.1	DINOFL_C	Fall	BP	6758688	-34171	-8	-546740	0.6144	No trend	0.7017
RET3.1	DINOFLG	Fall	AP	412094	-7040	-27	-112640	0.0076	Improving	0.5934
RET3.1	DINOFLG	Fall	BP	150187	-3103	-33	-49645	0.1069	No trend	0.7121
RET3.1	EVENNESS	Fall	AP	0.54	0.00	0.00	0.00	0.4844	No trend	0.5130
RET3.1	EVENNESS	Fall	BP	0.57	0.00	0.00	0.00	0.2677	No trend	0.4637
RET3.1	MARGALEF	Fall	AP	1.77	0.00	0.00	0.00	0.9793	No trend	0.8765
RET3.1	MARGALEF	Fall	BP	1.28	0.02	25.00	0.32	0.1738	No trend	0.5007
RET3.1	N_GENERA	Fall	AP	26.50	0.20	12.08	3.20	0.3481	No trend	0.4700
RET3.1	N_GENERA	Fall	BP	19.00	0.43	36.21	6.88	0.0254	Improving	0.4803
RET3.1	N_SP	Fall	AP	28.50	0.15	8.42	2.40	0.4201	No trend	0.9388
RET3.1	N_SP	Fall	BP	21.50	0.36	26.79	5.76	0.0578	No trend	0.6032
RET3.1	PROCAR_C	Fall	AP	0.01	0.00	0.00	0.00	0.0160	No change	0.9212
RET3.1	PROCAR_C	Fall	BP	0.00	0.00		0.00	0.0556	No trend	0.8475
RET3.1	PROCARY	Fall	AP	0.02	0.04	3200.00	0.64	0.0001	Degrading	0.9799
RET3.1	PROCARY	Fall	BP	0.02	0.02	1600.00	0.32	0.0005	Degrading	0.9817
RET3.1	RATIO	Fall	AP	26.88	0.18	10.71	2.88	0.7364	No trend	0.4563
RET3.1	RATIO	Fall	BP	28.52	0.33	18.51	5.28	0.5455	No trend	0.7408
RET3.1	SHANNON	Fall	AP	2.79	0.01	5.73	0.16	0.5173	No trend	0.3300
RET3.1	SHANNON	Fall	BP	2.58	0.03	18.60	0.48	0.0439	Improving	0.7966
RET3.1	TOTABUND	Fall	AP	5597911	534030	153	8544478	0.0243	Increasing	0.4766
RET3.1	TOTABUND	Fall	BP	5420479	793689	234	12699018	0.0009	Increasing	0.2945
RET3.1	TOTBMASS	Fall	AP	210351778	17318086	132	277089371	0.0461	Increasing	0.2093
RET3.1	TOTBMASS	Fall	BP	130324948	24257980	298	388127674	0.0009	Increasing	0.8088
RET3.1	CHLORO	SAV1	AP	42772	56253	2104	900045	<0.0001	Improving	0.1335
RET3.1	CHLORO	SAV1	BP	1024	46862	73222	749794	<0.0001	Improving	0.8523
RET3.1	CHLORO_C	SAV1	AP	965711	1620201	2684	25923223	<0.0001	Improving	0.5406
RET3.1	CHLORO_C	SAV1	BP	11530	861223	119508	13779569	<0.0001	Improving	0.9822
RET3.1	CRYPTO	SAV1	AP	725425	52359	115	837744	0.0071	Increasing	0.0945
RET3.1	CRYPTO	SAV1	BP	600246	81250	217	1299993	0.0004	Increasing	0.3118
RET3.1	CRYPTO_C	SAV1	AP	17417454	1257139	115	20114226	0.0071	Increasing	0.0945
RET3.1	CRYPTO_C	SAV1	BP	14411894	1950802	217	31212828	0.0004	Increasing	0.3118
RET3.1	CYANO	SAV1	AP	135362	203377	2404	3254026	<0.0001	Degrading	0.8566
RET3.1	CYANO	SAV1	BP	141659	202656	2289	3242488	<0.0001	Degrading	0.9175
RET3.1	CYANO_C	SAV1	AP	411022	1036562	4035	16584992	<0.0001	Degrading	0.4227
RET3.1	CYANO_C	SAV1	BP	1209059	789432	1045	12630918	<0.0001	Degrading	0.7286
RET3.1	DIATOM	SAV1	AP	3390169	311619	147	4985904	0.0112	Improving	0.5710
RET3.1	DIATOM	SAV1	BP	3052728	483911	254	7742584	<0.0001	Improving	0.6318
RET3.1	DIATOM_C	SAV1	AP	90952653	14400890	253	230414243	0.0009	Improving	0.2891
RET3.1	DIATOM_C	SAV1	BP	114406186	25774180	360	412386883	<0.0001	Improving	0.4535
RET3.1	DINOFL_C	SAV1	AP	26560729	-154036	-9	-2464577	0.2315	No trend	0.8741
RET3.1	DINOFL_C	SAV1	BP	3832269	-25052	-10	-400835	0.5155	No trend	0.7335
RET3.1	DINOFLG	SAV1	AP	423878	-5289	-20	-84616	0.0080	Improving	0.4724
RET3.1	DINOFLG	SAV1	BP	90998	-1604	-28	-25661	0.0646	No trend	0.4600
RET3.1	EVENNESS	SAV1	AP	0.51	0.01	31.37	0.16	0.0032	Improving	0.9203
RET3.1	EVENNESS	SAV1	BP	0.56	0.00	0.00	0.00	0.0170	No change	0.4439
RET3.1	MARGALEF	SAV1	AP	1.90	0.01	8.42	0.16	0.6411	No trend	0.5688
RET3.1	MARGALEF	SAV1	BP	1.27	0.01	12.60	0.16	0.2071	No trend	0.3978
RET3.1	N_GENERA	SAV1	AP	28.00	0.36	20.57	5.76	0.0088	Improving	0.5194

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
RET3.1	N_GENERA	SAV1	BP	20.00	0.37	29.60	5.92	0.0017	Improving	0.7006
RET3.1	N_SP	SAV1	AP	30.50	0.21	11.02	3.36	0.1401	No trend	0.5065
RET3.1	N_SP	SAV1	BP	21.50	0.30	22.33	4.80	0.0218	Improving	0.5723
RET3.1	PROCAR_C	SAV1	AP	0.01	0.00	0.00	0.00	0.0033	No change	0.9643
RET3.1	PROCAR_C	SAV1	BP	0.00	0.00		0.00	0.0042	No change	0.9854
RET3.1	PROCARY	SAV1	AP	0.02	0.02	1600.00	0.32	<0.0001	Degrading	0.9787
RET3.1	PROCARY	SAV1	BP	0.02	0.02	1600.00	0.32	<0.0001	Degrading	0.6935
RET3.1	RATIO	SAV1	AP	33.86	0.43	20.32	6.88	0.3251	No trend	0.9567
RET3.1	RATIO	SAV1	BP	30.47	0.26	13.65	4.16	0.6090	No trend	0.3663
RET3.1	SHANNON	SAV1	AP	2.42	0.04	26.45	0.64	0.0044	Improving	0.9527
RET3.1	SHANNON	SAV1	BP	2.35	0.04	27.23	0.64	0.0021	Improving	0.5905
RET3.1	TOTABUND	SAV1	AP	6279699	949844	242	15197508	0.0001	Increasing	0.2746
RET3.1	TOTABUND	SAV1	BP	5420479	1027988	303	16447814	<0.0001	Increasing	0.7990
RET3.1	TOTBMASS	SAV1	AP	336911682	32612938	155	521807006	0.0001	Increasing	0.1992
RET3.1	TOTBMASS	SAV1	BP	317003634	32347551	163	517560813	<0.0001	Increasing	0.5925
RET3.1	CHLORO	SAV2	AP	87358	71368	1307	1141892	<0.0001	Improving	0.0571
RET3.1	CHLORO	SAV2	BP	512	60141	187940	962252	<0.0001	Improving	0.9163
RET3.1	CHLORO_C	SAV2	AP	1492127	1791739	1921	28667819	<0.0001	Improving	0.4529
RET3.1	CHLORO_C	SAV2	BP	3313	1275017	615831	20400264	<0.0001	Improving	0.9893
RET3.1	CRYPTO	SAV2	AP	891648	61762	111	988194	0.0016	Increasing	0.3131
RET3.1	CRYPTO	SAV2	BP	551611	99496	289	1591933	<0.0001	Increasing	0.4586
RET3.1	CRYPTO_C	SAV2	AP	21408468	1482909	111	23726541	0.0016	Increasing	0.3131
RET3.1	CRYPTO_C	SAV2	BP	13244168	2406718	291	38507481	<0.0001	Increasing	0.4775
RET3.1	CYANO	SAV2	AP	158336	398735	4029	6379759	<0.0001	Degrading	0.8402
RET3.1	CYANO	SAV2	BP	142485	343682	3859	5498912	<0.0001	Degrading	0.8316
RET3.1	CYANO_C	SAV2	AP	2726081	1716642	1008	27466266	<0.0001	Degrading	0.5362
RET3.1	CYANO_C	SAV2	BP	798300	1018522	2041	16296358	<0.0001	Degrading	0.8378
RET3.1	DIATOM	SAV2	AP	3266161	449829	220	7197263	0.0001	Improving	0.7638
RET3.1	DIATOM	SAV2	BP	2770435	578680	334	9258881	<0.0001	Improving	0.7776
RET3.1	DIATOM_C	SAV2	AP	111529473	21727714	312	347643416	<0.0001	Improving	0.5331
RET3.1	DIATOM_C	SAV2	BP	110714361	27017521	390	432280339	<0.0001	Improving	0.7745
RET3.1	DINOFL_C	SAV2	AP	21708212	-93472	-7	-1495558	0.3392	No trend	0.8970
RET3.1	DINOFL_C	SAV2	BP	8079149	1080	0	17288	0.8208	No trend	0.7709
RET3.1	DINOFLG	SAV2	AP	482931	-5461	-18	-87382	0.0173	Improving	0.7905
RET3.1	DINOFLG	SAV2	BP	70266	-392	-9	-6271	0.3480	No trend	0.3600
RET3.1	EVENNESS	SAV2	AP	0.51	0.00	0.00	0.00	0.0098	No change	0.9472
RET3.1	EVENNESS	SAV2	BP	0.54	0.01	29.63	0.16	0.0050	Improving	0.6674
RET3.1	MARGALEF	SAV2	AP	1.76	0.01	9.09	0.16	0.2723	No trend	0.6470
RET3.1	MARGALEF	SAV2	BP	1.33	0.01	12.03	0.16	0.2451	No trend	0.2932
RET3.1	N_GENERA	SAV2	AP	26.50	0.43	25.96	6.88	0.0003	Improving	0.6368
RET3.1	N_GENERA	SAV2	BP	21.50	0.33	24.56	5.28	0.0026	Improving	0.6728
RET3.1	N_SP	SAV2	AP	29.00	0.38	20.97	6.08	0.0171	Improving	0.5334
RET3.1	N_SP	SAV2	BP	22.00	0.29	21.09	4.64	0.0366	Improving	0.4358
RET3.1	PROCAR_C	SAV2	AP	0.01	0.00	0.00	0.00	0.0002	No change	0.9955
RET3.1	PROCAR_C	SAV2	BP	0.00	0.00		0.00	0.0041	No change	0.8858
RET3.1	PROCARY	SAV2	AP	0.03	0.02	1066.67	0.32	<0.0001	Degrading	0.9382
RET3.1	PROCARY	SAV2	BP	0.03	0.02	1066.67	0.32	<0.0001	Degrading	0.6720
RET3.1	RATIO	SAV2	AP	33.28	0.03	1.44	0.48	0.9485	No trend	0.9946
RET3.1	RATIO	SAV2	BP	23.01	0.47	32.68	7.52	0.1966	No trend	0.4040
RET3.1	SHANNON	SAV2	AP	2.42	0.04	26.45	0.64	0.0007	Improving	0.9790
RET3.1	SHANNON	SAV2	BP	2.39	0.03	20.08	0.48	0.0004	Improving	0.3123
RET3.1	TOTABUND	SAV2	AP	7859218	1356518	276	21704292	<0.0001	Increasing	0.5743
RET3.1	TOTABUND	SAV2	BP	4932382	1320843	428	21133494	<0.0001	Increasing	0.9480
RET3.1	TOTBMASS	SAV2	AP	300295392	37828657	202	605258518	<0.0001	Increasing	0.1043
RET3.1	TOTBMASS	SAV2	BP	178076290	40713389	366	651414218	<0.0001	Increasing	0.8787
RET3.1	CHLORO	Spring1	AP	56573	110232	3118	1763707	<0.0001	Improving	0.3001
RET3.1	CHLORO	Spring1	BP	75916	70038	1476	1120604	<0.0001	Improving	0.4110
RET3.1	CHLORO_C	Spring1	AP	1044153	2932849	4494	46925577	<0.0001	Improving	0.5319
RET3.1	CHLORO_C	Spring1	BP	2179798	1434278	1053	22948441	0.0001	Improving	0.8697
RET3.1	CRYPTO	Spring1	AP	343451	96889	451	1550229	0.0013	Increasing	0.1843

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
RET3.1	CRYPTO	Spring1	BP	484741	97282	321	1556517	0.0062	Increasing	0.1386
RET3.1	CRYPTO_C	Spring1	AP	8246259	2326313	451	37221006	0.0013	Increasing	0.1843
RET3.1	CRYPTO_C	Spring1	BP	11638619	2335748	321	37371963	0.0062	Increasing	0.1386
RET3.1	CYANO	Spring1	AP	142914	116131	1300	1858096	0.0002	Degrading	0.4499
RET3.1	CYANO	Spring1	BP	112808	140074	1987	2241190	0.0002	Degrading	0.5200
RET3.1	CYANO_C	Spring1	AP	2065350	794540	616	12712635	0.0018	Degrading	0.1184
RET3.1	CYANO_C	Spring1	BP	1573931	775236	788	12403769	0.0027	Degrading	0.4676
RET3.1	DIATOM	Spring1	AP	3484296	273369	126	4373910	0.0868	No trend	0.3687
RET3.1	DIATOM	Spring1	BP	3052728	454792	238	7276677	0.0006	Improving	0.5177
RET3.1	DIATOM_C	Spring1	AP	314079217	11269076	57	180305222	0.1058	No trend	0.2638
RET3.1	DIATOM_C	Spring1	BP	151616315	23563072	249	377009144	0.0043	Improving	0.1724
RET3.1	DINOFL_C	Spring1	AP	51646866	-45759	-1	-732149	0.4868	No trend	0.4608
RET3.1	DINOFL_C	Spring1	BP	22988815	-76730	-5	-1227678	0.3760	No trend	0.8284
RET3.1	DINOFLG	Spring1	AP	609064	-952	-3	-15236	0.4013	No trend	0.4020
RET3.1	DINOFLG	Spring1	BP	963308	-2683	-4	-42922	0.0988	No trend	0.4404
RET3.1	EVENNESS	Spring1	AP	0.49	0.01	32.65	0.16	0.0043	Improving	0.9407
RET3.1	EVENNESS	Spring1	BP	0.59	0.00	0.00	0.00	0.1280	No trend	0.3508
RET3.1	MARGALEF	Spring1	AP	1.90	0.01	8.42	0.16	0.7036	No trend	0.1663
RET3.1	MARGALEF	Spring1	BP	1.31	0.00	0.00	0.00	0.8491	No trend	0.3629
RET3.1	N_GENERA	Spring1	AP	28.50	0.32	17.96	5.12	0.0735	No trend	0.1645
RET3.1	N_GENERA	Spring1	BP	20.00	0.25	20.00	4.00	0.1120	No trend	0.5137
RET3.1	N_SP	Spring1	AP	31.00	0.19	9.81	3.04	0.3383	No trend	0.1183
RET3.1	N_SP	Spring1	BP	20.50	0.21	16.39	3.36	0.3902	No trend	0.3573
RET3.1	PROCAR_C	Spring1	AP	0.01	0.00	0.00	0.00	0.1337	No trend	0.8810
RET3.1	PROCAR_C	Spring1	BP	0.00	0.00		0.00	0.1280	No trend	0.9843
RET3.1	PROCARY	Spring1	AP	0.02	0.01	800.00	0.16	0.0025	Degrading	0.8797
RET3.1	PROCARY	Spring1	BP	0.02	0.01	800.00	0.16	0.0037	Degrading	0.2748
RET3.1	RATIO	Spring1	AP	64.21	0.44	10.96	7.04	0.5363	No trend	0.8139
RET3.1	RATIO	Spring1	BP	82.53	-0.04	-0.78	-0.64	0.9621	No trend	0.1259
RET3.1	SHANNON	Spring1	AP	2.21	0.05	36.20	0.80	0.0134	Improving	0.7975
RET3.1	SHANNON	Spring1	BP	2.44	0.03	19.67	0.48	0.0960	No trend	0.4300
RET3.1	TOTABUND	Spring1	AP	6279699	1134538	289	18152607	0.0014	Increasing	0.1122
RET3.1	TOTABUND	Spring1	BP	5061254	1068880	338	17102082	0.0001	Increasing	0.5165
RET3.1	TOTBMASS	Spring1	AP	454535651	44558709	157	712939350	0.0067	Increasing	0.1296
RET3.1	TOTBMASS	Spring1	BP	544284494	31664000	93	506623994	0.0037	Increasing	0.1957
RET3.1	CHLORO	Spring2	AP	42519	127477	4797	2039628	<0.0001	Improving	0.4097
RET3.1	CHLORO	Spring2	BP	5632	84731	24071	1355700	<0.0001	Improving	0.6077
RET3.1	CHLORO_C	Spring2	AP	886185	3656401	6602	58502416	<0.0001	Improving	0.5621
RET3.1	CHLORO_C	Spring2	BP	47990	2475768	82543	39612281	<0.0001	Improving	0.9055
RET3.1	CRYPTO	Spring2	AP	560131	84627	242	1354025	0.0117	Increasing	0.2157
RET3.1	CRYPTO	Spring2	BP	483974	107924	357	1726780	0.0026	Increasing	0.0817
RET3.1	CRYPTO_C	Spring2	AP	13448745	2031884	242	32510144	0.0117	Increasing	0.2157
RET3.1	CRYPTO_C	Spring2	BP	9467095	2591250	438	41459994	0.0031	Increasing	0.0901
RET3.1	CYANO	Spring2	AP	101442	307731	4854	4923690	<0.0001	Degrading	0.4507
RET3.1	CYANO	Spring2	BP	107307	336524	5018	5384378	<0.0001	Degrading	0.5570
RET3.1	CYANO_C	Spring2	AP	1233710	1156051	1499	18496813	0.0003	Degrading	0.1153
RET3.1	CYANO_C	Spring2	BP	1083418	931391	1375	14902261	<0.0001	Degrading	0.9021
RET3.1	DIATOM	Spring2	AP	3209031	425242	212	6803876	0.0245	Improving	0.3151
RET3.1	DIATOM	Spring2	BP	2667414	629753	378	10076045	<0.0001	Improving	0.9483
RET3.1	DIATOM_C	Spring2	AP	198998723	20851591	168	333625454	0.0126	Improving	0.2011
RET3.1	DIATOM_C	Spring2	BP	111500578	30579989	439	489279818	<0.0001	Improving	0.3151
RET3.1	DINOFL_C	Spring2	AP	61527530	-80548	-2	-1288762	0.3883	No trend	0.5167
RET3.1	DINOFL_C	Spring2	BP	10939961	-54216	-8	-867448	0.4614	No trend	0.7035
RET3.1	DINOFLG	Spring2	AP	495080	-5545	-18	-88722	0.1752	No trend	0.5323
RET3.1	DINOFLG	Spring2	BP	135540	-1908	-23	-30523	0.2017	No trend	0.2020
RET3.1	EVENNESS	Spring2	AP	0.48	0.01	33.33	0.16	0.0314	Improving	0.5414
RET3.1	EVENNESS	Spring2	BP	0.53	0.00	0.00	0.00	0.1295	No trend	0.3101
RET3.1	MARGALEF	Spring2	AP	1.58	0.01	10.13	0.16	0.3786	No trend	0.1938
RET3.1	MARGALEF	Spring2	BP	1.22	0.01	13.11	0.16	0.5906	No trend	0.6469
RET3.1	N_GENERA	Spring2	AP	24.50	0.45	29.39	7.20	0.0121	Improving	0.1529

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
RET3.1	N_GENERA	Spring2	BP	17.50	0.36	32.91	5.76	0.0298	Improving	0.6886
RET3.1	N_SP	Spring2	AP	26.50	0.33	19.92	5.28	0.1044	No trend	0.1110
RET3.1	N_SP	Spring2	BP	20.00	0.26	20.80	4.16	0.1159	No trend	0.6277
RET3.1	PROCAR_C	Spring2	AP	0.01	0.00	0.00	0.00	0.0399	No change	0.9555
RET3.1	PROCAR_C	Spring2	BP	0.00	0.00		0.00	0.0504	No trend	0.8913
RET3.1	PROCARY	Spring2	AP	0.02	0.02	1600.00	0.32	0.0007	Degrading	0.9311
RET3.1	PROCARY	Spring2	BP	0.02	0.02	1600.00	0.32	0.0006	Degrading	0.3102
RET3.1	RATIO	Spring2	AP	40.36	0.09	3.57	1.44	0.9221	No trend	0.8082
RET3.1	RATIO	Spring2	BP	23.86	0.53	35.54	8.48	0.3280	No trend	0.0817
RET3.1	SHANNON	Spring2	AP	2.19	0.05	36.53	0.80	0.0083	Improving	0.8396
RET3.1	SHANNON	Spring2	BP	2.04	0.03	23.53	0.48	0.0869	No trend	0.3841
RET3.1	TOTABUND	Spring2	AP	7297293	1421615	312	22745838	0.0021	Increasing	0.1202
RET3.1	TOTABUND	Spring2	BP	5061254	1497568	473	23961093	<0.0001	Increasing	0.9471
RET3.1	TOTBMASS	Spring2	AP	294100526	41684956	227	666959294	0.0024	Increasing	0.0925
RET3.1	TOTBMASS	Spring2	BP	168405834	45426842	432	726829478	<0.0001	Increasing	0.4840
RET3.1	CHLORO	Summer1	AP	161993	54082	534	865315	0.0068	Improving	0.2392
RET3.1	CHLORO	Summer1	BP	5026	39560	12594	632966	<0.0001	Improving	0.9558
RET3.1	CHLORO_C	Summer1	AP	1492127	1394227	1495	22307628	0.0019	Improving	0.5815
RET3.1	CHLORO_C	Summer1	BP	47990	833707	27796	13339313	<0.0001	Improving	0.8808
RET3.1	CRYPTO	Summer1	AP	1102745	54366	79	869851	0.0587	No trend	0.3083
RET3.1	CRYPTO	Summer1	BP	427594	98141	367	1570262	<0.0001	Increasing	0.8421
RET3.1	CRYPTO_C	Summer1	AP	26476907	1305321	79	20885133	0.0587	No trend	0.3083
RET3.1	CRYPTO_C	Summer1	BP	9909539	2380854	384	38093658	<0.0001	Increasing	0.8637
RET3.1	CYANO	Summer1	AP	825527	599626	1162	9594014	0.0001	Degrading	0.7985
RET3.1	CYANO	Summer1	BP	142485	419916	4715	6718657	<0.0001	Degrading	0.6423
RET3.1	CYANO_C	Summer1	AP	3219131	2726484	1355	43623738	<0.0001	Degrading	0.8507
RET3.1	CYANO_C	Summer1	BP	798300	1073360	2151	17173760	<0.0001	Degrading	0.4654
RET3.1	DIATOM	Summer1	AP	2822333	407588	231	6521409	0.0032	Improving	0.8659
RET3.1	DIATOM	Summer1	BP	3367800	448854	213	7181663	0.0002	Improving	0.4816
RET3.1	DIATOM_C	Summer1	AP	160381316	22808652	228	364938435	0.0001	Improving	0.9358
RET3.1	DIATOM_C	Summer1	BP	163174980	23556740	231	376907837	<0.0001	Improving	0.6951
RET3.1	DINOFL_C	Summer1	AP	26492820	-34270	-2	-548318	0.9125	No trend	0.9724
RET3.1	DINOFL_C	Summer1	BP	5646447	211466	60	3383451	0.1940	No trend	0.9383
RET3.1	DINOFLG	Summer1	AP	541579	-5461	-16	-87382	0.1407	No trend	0.7895
RET3.1	DINOFLG	Summer1	BP	38938	1439	59	23024	0.3668	No trend	0.9641
RET3.1	EVENNESS	Summer1	AP	0.55	0.00	0.00	0.00	0.2023	No trend	0.9782
RET3.1	EVENNESS	Summer1	BP	0.51	0.01	31.37	0.16	0.0064	Improving	0.5020
RET3.1	MARGALEF	Summer1	AP	1.89	0.02	16.93	0.32	0.2530	No trend	0.9378
RET3.1	MARGALEF	Summer1	BP	1.29	0.01	12.40	0.16	0.3559	No trend	0.0938
RET3.1	N_GENERA	Summer1	AP	28.50	0.50	28.07	8.00	0.0043	Improving	0.8411
RET3.1	N_GENERA	Summer1	BP	20.50	0.36	28.10	5.76	0.0239	Improving	0.3551
RET3.1	N_SP	Summer1	AP	31.50	0.48	24.38	7.68	0.0341	Improving	0.8586
RET3.1	N_SP	Summer1	BP	22.50	0.26	18.49	4.16	0.1642	No trend	0.1818
RET3.1	PROCAR_C	Summer1	AP	0.01	0.00	0.00	0.00	0.0028	No change	0.9530
RET3.1	PROCAR_C	Summer1	BP	0.00	0.00		0.00	0.0279	No change	0.5229
RET3.1	PROCARY	Summer1	AP	0.12	0.04	533.33	0.64	0.0064	Degrading	0.8085
RET3.1	PROCARY	Summer1	BP	0.03	0.02	1066.67	0.32	0.0006	Degrading	0.6423
RET3.1	RATIO	Summer1	AP	38.27	-0.09	-3.76	-1.44	0.8260	No trend	0.9679
RET3.1	RATIO	Summer1	BP	19.58	0.70	57.20	11.20	0.1135	No trend	0.6918
RET3.1	SHANNON	Summer1	AP	3.00	0.03	16.00	0.48	0.0222	Improving	0.8991
RET3.1	SHANNON	Summer1	BP	2.18	0.04	29.36	0.64	0.0010	Improving	0.1971
RET3.1	TOTABUND	Summer1	AP	7992890	1404210	281	22467359	0.0002	Increasing	0.8899
RET3.1	TOTABUND	Summer1	BP	3880927	1181493	487	18903893	0.0002	Increasing	0.8751
RET3.1	TOTBMASS	Summer1	AP	317991139	39359320	198	629749123	<0.0001	Increasing	0.1415
RET3.1	TOTBMASS	Summer1	BP	201504478	41871328	332	669941251	<0.0001	Increasing	0.7581
RET3.1	CHLORO	Summer2	AP	161993	36369	359	581901	0.1012	No trend	0.3372
RET3.1	CHLORO	Summer2	BP	5026	32864	10462	525820	0.0004	Improving	0.9566
RET3.1	CHLORO_C	Summer2	AP	1492127	1127105	1209	18033680	0.0190	Improving	0.4790
RET3.1	CHLORO_C	Summer2	BP	140024	830051	9485	13280808	0.0009	Improving	0.9584
RET3.1	CRYPTO	Summer2	AP	1102745	46860	68	749762	0.1307	No trend	0.1702

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
RET3.1	CRYPTO	Summer2	BP	535866	83974	251	1343588	0.0002	Increasing	0.8002
RET3.1	CRYPTO_C	Summer2	AP	26476907	1125111	68	18001779	0.1307	No trend	0.1702
RET3.1	CRYPTO_C	Summer2	BP	12866131	2016221	251	32259538	0.0002	Increasing	0.8002
RET3.1	CYANO	Summer2	AP	1855655	528288	456	8452613	0.0030	Degrading	0.9295
RET3.1	CYANO	Summer2	BP	216124	388094	2873	6209496	0.0018	Degrading	0.6793
RET3.1	CYANO_C	Summer2	AP	6729697	2876379	684	46022067	0.0003	Degrading	0.7068
RET3.1	CYANO_C	Summer2	BP	798300	1021267	2047	16340274	0.0013	Degrading	0.3701
RET3.1	DIATOM	Summer2	AP	2822333	384811	218	6156979	0.0179	Improving	0.7409
RET3.1	DIATOM	Summer2	BP	3367800	416019	198	6656298	0.0030	Improving	0.3203
RET3.1	DIATOM_C	Summer2	AP	160381316	22036928	220	352590854	0.0013	Improving	0.8367
RET3.1	DIATOM_C	Summer2	BP	163174980	21717190	213	347475045	0.0007	Improving	0.7606
RET3.1	DINOFL_C	Summer2	AP	21530244	-34270	-3	-548318	0.9598	No trend	0.8951
RET3.1	DINOFL_C	Summer2	BP	5646447	215242	61	3443870	0.1731	No trend	0.9135
RET3.1	DINOFLG	Summer2	AP	562714	-4728	-13	-75647	0.2079	No trend	0.5927
RET3.1	DINOFLG	Summer2	BP	70266	1241	28	19850	0.4800	No trend	0.8818
RET3.1	EVENNESS	Summer2	AP	0.55	0.00	0.00	0.00	0.2079	No trend	0.9555
RET3.1	EVENNESS	Summer2	BP	0.54	0.01	29.63	0.16	0.0556	No trend	0.4766
RET3.1	MARGALEF	Summer2	AP	1.89	0.02	16.93	0.32	0.3385	No trend	0.8154
RET3.1	MARGALEF	Summer2	BP	1.50	0.01	10.67	0.16	0.3645	No trend	0.0416
RET3.1	N_GENERA	Summer2	AP	28.50	0.42	23.58	6.72	0.0295	Improving	0.7908
RET3.1	N_GENERA	Summer2	BP	22.50	0.31	22.04	4.96	0.0636	No trend	0.2023
RET3.1	N_SP	Summer2	AP	31.50	0.47	23.87	7.52	0.1003	No trend	0.7362
RET3.1	N_SP	Summer2	BP	25.50	0.33	20.71	5.28	0.2662	No trend	0.0897
RET3.1	PROCAR_C	Summer2	AP	0.02	0.00	0.00	0.00	0.0088	No change	0.8468
RET3.1	PROCAR_C	Summer2	BP	0.00	0.00		0.00	0.0964	No trend	0.3713
RET3.1	PROCARY	Summer2	AP	0.23	0.03	208.70	0.48	0.0494	Degrading	0.8630
RET3.1	PROCARY	Summer2	BP	0.04	0.02	800.00	0.32	0.0065	Degrading	0.4984
RET3.1	RATIO	Summer2	AP	33.28	-0.09	-4.33	-1.44	0.9197	No trend	0.8935
RET3.1	RATIO	Summer2	BP	20.59	0.52	40.41	8.32	0.3137	No trend	0.6442
RET3.1	SHANNON	Summer2	AP	3.12	0.03	15.38	0.48	0.0697	No trend	0.7873
RET3.1	SHANNON	Summer2	BP	2.45	0.03	19.59	0.48	0.0056	Improving	0.0983
RET3.1	TOTABUND	Summer2	AP	7992890	1306336	261	20901374	0.0021	Increasing	0.7925
RET3.1	TOTABUND	Summer2	BP	3880927	1137470	469	18199525	0.0025	Increasing	0.8030
RET3.1	TOTBMASS	Summer2	AP	317991139	37229852	187	595677635	0.0002	Increasing	0.0693
RET3.1	TOTBMASS	Summer2	BP	201504478	38143972	303	610303554	0.0001	Increasing	0.8156
RET3.1	CHLORO	Winter	AP	3072	12756	6229	191341	0.2120	No trend	0.3433
RET3.1	CHLORO	Winter	BP	1600	24117	22610	361757	<0.0001	Improving	0.7553
RET3.1	CHLORO_C	Winter	AP	24781	514734	31157	7721004	0.0664	No trend	0.5925
RET3.1	CHLORO_C	Winter	BP	53902	546646	15212	8199693	0.0001	Improving	0.8380
RET3.1	CRYPTO	Winter	AP	643247	63595	148	953928	0.1863	No trend	0.0781
RET3.1	CRYPTO	Winter	BP	200234	45468	341	682027	0.1231	No trend	0.7157
RET3.1	CRYPTO_C	Winter	AP	15444360	1551714	151	23275714	0.1863	No trend	0.0781
RET3.1	CRYPTO_C	Winter	BP	4807618	1091698	341	16375476	0.1231	No trend	0.7157
RET3.1	CYANO	Winter	AP	547313	15071	41	226062	0.2401	No trend	0.2440
RET3.1	CYANO	Winter	BP	224560	42073	281	631094	0.0154	Degrading	0.3633
RET3.1	CYANO_C	Winter	AP	17558830	98568	8	1478527	0.6596	No trend	0.1548
RET3.1	CYANO_C	Winter	BP	6003191	41541	10	623113	0.3398	No trend	0.8053
RET3.1	DIATOM	Winter	AP	4117983	69365	25	1040478	0.3040	No trend	0.2470
RET3.1	DIATOM	Winter	BP	3509580	102384	44	1535764	0.3398	No trend	0.5235
RET3.1	DIATOM_C	Winter	AP	167930142	11682216	104	175233235	0.0913	No trend	0.2060
RET3.1	DIATOM_C	Winter	BP	133216033	11987118	135	179806775	0.1863	No trend	0.2410
RET3.1	DINOFL_C	Winter	AP	4779764	-236509	-74	-3547638	0.1095	No trend	0.6976
RET3.1	DINOFL_C	Winter	BP	13748423	0	0	0	0.8532	No trend	0.4748
RET3.1	DINOFLG	Winter	AP	206217	-10155	-74	-152332	0.0576	No trend	0.8255
RET3.1	DINOFLG	Winter	BP	122011	0	0	0	0.8241	No trend	0.4637
RET3.1	EVENNESS	Winter	AP	0.64	-0.01	-23.44	-0.15	0.4628	No trend	0.3196
RET3.1	EVENNESS	Winter	BP	0.58	0.00	0.00	0.00	0.9415	No trend	0.8799
RET3.1	MARGALEF	Winter	AP	1.37	-0.01	-10.95	-0.15	0.4193	No trend	0.9674
RET3.1	MARGALEF	Winter	BP	1.39	0.03	32.37	0.45	0.0276	Improving	0.2848
RET3.1	N_GENERA	Winter	AP	19.00	0.11	8.68	1.65	0.5284	No trend	0.5062

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
RET3.1	N_GENERA	Winter	BP	20.50	0.53	38.78	7.95	0.0221	Improving	0.1098
RET3.1	N_SP	Winter	AP	22.00	0.00	0.00	0.00	0.8531	No trend	0.3576
RET3.1	N_SP	Winter	BP	22.00	0.63	42.95	9.45	0.0119	Improving	0.1626
RET3.1	PROCAR_C	Winter	AP	0.08	0.00	0.00	0.00	0.4628	No trend	0.9117
RET3.1	PROCAR_C	Winter	BP	0.04	0.00	0.00	0.00	0.6596	No trend	0.8077
RET3.1	PROCARY	Winter	AP	0.14	0.00	0.00	0.00	0.7690	No trend	0.7236
RET3.1	PROCARY	Winter	BP	0.07	0.00	0.00	0.00	0.1062	No trend	0.5609
RET3.1	RATIO	Winter	AP	31.76	0.21	9.92	3.15	0.8833	No trend	0.8308
RET3.1	RATIO	Winter	BP	32.20	1.68	78.26	25.20	0.2120	No trend	0.5139
RET3.1	SHANNON	Winter	AP	2.81	-0.02	-10.68	-0.30	0.5569	No trend	0.5853
RET3.1	SHANNON	Winter	BP	2.55	0.02	11.76	0.30	0.4193	No trend	0.8506
RET3.1	TOTABUND	Winter	AP	5827957	167236	43	2508547	0.3398	No trend	0.1279
RET3.1	TOTABUND	Winter	BP	4123699	327111	119	4906667	0.0913	No trend	0.8158
RET3.1	TOTBMASS	Winter	AP	224067574	10491948	70	157379217	0.2708	No trend	0.1261
RET3.1	TOTBMASS	Winter	BP	159196697	17126022	161	256890336	0.0913	No trend	0.4108
LE3.6	CHLORO	Annual	AP	8294	1007	206	17114	0.0001	Improving	0.6454
LE3.6	CHLORO	Annual	BP	8509	1095	219	18622	<0.0001	Improving	0.6748
LE3.6	CHLORO_C	Annual	AP	186615	10442	95	177511	0.0006	Improving	0.7924
LE3.6	CHLORO_C	Annual	BP	188339	41214	372	700638	<0.0001	Improving	0.6140
LE3.6	CRYPTO	Annual	AP	1144882	-12036	-18	-204618	0.1658	No trend	0.1676
LE3.6	CRYPTO	Annual	BP	805632	7780	16	132255	0.1933	No trend	0.9598
LE3.6	CRYPTO_C	Annual	AP	27488605	-288993	-18	-4912878	0.1658	No trend	0.1676
LE3.6	CRYPTO_C	Annual	BP	16943548	179281	18	3047776	0.2016	No trend	0.9618
LE3.6	CYANO	Annual	AP	48	7551	267423	128363	<0.0001	Degrading	0.8462
LE3.6	CYANO	Annual	BP	64	6562	174310	111559	<0.0001	Degrading	0.9937
LE3.6	CYANO_C	Annual	AP	11843	61398	8813	1043761	<0.0001	Degrading	0.8149
LE3.6	CYANO_C	Annual	BP	4735	39346	14126	668889	<0.0001	Degrading	0.9984
LE3.6	DIATOM	Annual	AP	2106331	68702	55	1167938	0.0302	Improving	0.7594
LE3.6	DIATOM	Annual	BP	1962462	102971	89	1750515	0.0033	Improving	0.4538
LE3.6	DIATOM_C	Annual	AP	147022506	3710577	43	63079806	0.1388	No trend	0.4550
LE3.6	DIATOM_C	Annual	BP	145668517	9348403	109	158922844	0.0019	Improving	0.1339
LE3.6	DINOFL_C	Annual	AP	24912194	2578624	176	43836611	0.0001	Degrading	0.3114
LE3.6	DINOFL_C	Annual	BP	32389525	2052859	108	34898609	<0.0001	Degrading	0.1294
LE3.6	DINOFLG	Annual	AP	183042	5371	50	91304	0.0405	Degrading	0.4290
LE3.6	DINOFLG	Annual	BP	119028	6634	95	112776	0.0002	Degrading	0.5414
LE3.6	EVENNESS	Annual	AP	0.49	0.01	34.69	0.17	<0.0001	Improving	0.8209
LE3.6	EVENNESS	Annual	BP	0.57	0.01	29.82	0.17	<0.0001	Improving	0.8849
LE3.6	MARGALEF	Annual	AP	2.25	0.01	7.56	0.17	0.2707	No trend	0.4104
LE3.6	MARGALEF	Annual	BP	2.37	0.00	0.00	0.00	0.7746	No trend	0.9794
LE3.6	N_GENERA	Annual	AP	29.50	0.17	9.80	2.89	0.0103	Improving	0.4723
LE3.6	N_GENERA	Annual	BP	30.50	0.12	6.69	2.04	0.2080	No trend	0.9148
LE3.6	N_SP	Annual	AP	35.75	0.13	6.18	2.21	0.2165	No trend	0.5264
LE3.6	N_SP	Annual	BP	37.50	0.11	4.99	1.87	0.3824	No trend	0.9639
LE3.6	PROCAR_C	Annual	AP	0.00	0.00		0.00	<0.0001	No change	0.7461
LE3.6	PROCAR_C	Annual	BP	0.00	0.00		0.00	<0.0001	No change	0.9875
LE3.6	PROCARY	Annual	AP	0.00	0.00		0.00	<0.0001	No change	0.8312
LE3.6	PROCARY	Annual	BP	0.00	0.00		0.00	<0.0001	No change	0.9987
LE3.6	RATIO	Annual	AP	60.09	0.72	20.37	12.24	0.2919	No trend	0.3037
LE3.6	RATIO	Annual	BP	60.32	0.61	17.19	10.37	0.2422	No trend	0.2526
LE3.6	SHANNON	Annual	AP	2.49	0.05	34.14	0.85	<0.0001	Improving	0.6516
LE3.6	SHANNON	Annual	BP	2.85	0.03	17.89	0.51	0.0001	Improving	0.8213
LE3.6	TOTABUND	Annual	AP	4510279	59187	22	1006171	0.3873	No trend	0.5731
LE3.6	TOTABUND	Annual	BP	4744595	119587	43	2032972	0.0036	Increasing	0.6990
LE3.6	TOTBMASS	Annual	AP	289826787	5311296	31	90292024	0.2707	No trend	0.3512
LE3.6	TOTBMASS	Annual	BP	275948980	10093352	62	171586977	0.0018	Increasing	0.1680
LE3.6	CHLORO	Fall	AP	0	0		0	0.0160	No change	0.1777
LE3.6	CHLORO	Fall	BP	0	90		1523	0.0013	Improving	0.5351
LE3.6	CHLORO_C	Fall	AP	0	0		0	0.0671	No trend	0.4102
LE3.6	CHLORO_C	Fall	BP	0	29011		493190	0.0009	Improving	0.5944
LE3.6	CRYPTO	Fall	AP	1156649	-17565	-26	-298607	0.1522	No trend	0.2888

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
LE3.6	CRYPTO	Fall	BP	787503	10321	22	175459	0.3929	No trend	0.7171
LE3.6	CRYPTO_C	Fall	AP	27771142	-421738	-26	-7169547	0.1522	No trend	0.2888
LE3.6	CRYPTO_C	Fall	BP	16119699	247811	26	4212781	0.3929	No trend	0.7171
LE3.6	CYANO	Fall	AP	0	2363		40164	0.0005	Degrading	0.9054
LE3.6	CYANO	Fall	BP	256	2078	13796	35318	0.0024	Degrading	0.8747
LE3.6	CYANO_C	Fall	AP	0	26470		449989	0.0002	Degrading	0.9193
LE3.6	CYANO_C	Fall	BP	35822	20332	965	345642	0.0012	Degrading	0.9310
LE3.6	DIATOM	Fall	AP	744997	77113	176	1310925	0.2041	No trend	0.8572
LE3.6	DIATOM	Fall	BP	1378239	161926	200	2752735	0.0174	Improving	0.9650
LE3.6	DIATOM_C	Fall	AP	35156149	4663091	225	79272553	0.2210	No trend	0.7913
LE3.6	DIATOM_C	Fall	BP	62065852	15224306	417	258813200	0.0016	Improving	0.6473
LE3.6	DINOFL_C	Fall	AP	14939102	502701	57	8545918	0.8354	No trend	0.0764
LE3.6	DINOFL_C	Fall	BP	16602927	558159	57	9488709	0.4741	No trend	0.3763
LE3.6	DINOFLG	Fall	AP	89109	-1606	-31	-27308	0.6609	No trend	0.0632
LE3.6	DINOFLG	Fall	BP	47423	3226	116	54835	0.1731	No trend	0.7964
LE3.6	EVENNESS	Fall	AP	0.47	0.01	36.17	0.17	0.0069	Improving	0.4501
LE3.6	EVENNESS	Fall	BP	0.57	0.00	0.00	0.00	0.6278	No trend	0.6617
LE3.6	MARGALEF	Fall	AP	2.09	0.03	24.40	0.51	0.0833	No trend	0.2624
LE3.6	MARGALEF	Fall	BP	2.33	0.00	0.00	0.00	0.9081	No trend	0.4237
LE3.6	N_GENERA	Fall	AP	26.25	0.44	28.50	7.48	0.0292	Improving	0.7122
LE3.6	N_GENERA	Fall	BP	28.75	0.00	0.00	0.00	0.8343	No trend	0.4036
LE3.6	N_SP	Fall	AP	32.25	0.47	24.78	7.99	0.0542	No trend	0.4671
LE3.6	N_SP	Fall	BP	35.00	0.14	6.80	2.38	0.7457	No trend	0.4103
LE3.6	PROCAR_C	Fall	AP	0.00	0.00		0.00	0.0001	No change	0.8614
LE3.6	PROCAR_C	Fall	BP	0.00	0.00		0.00	0.0052	No change	0.6524
LE3.6	PROCARY	Fall	AP	0.00	0.00		0.00	0.0002	No change	0.9251
LE3.6	PROCARY	Fall	BP	0.00	0.00		0.00	0.0038	No change	0.9094
LE3.6	RATIO	Fall	AP	38.82	0.32	14.01	5.44	0.7640	No trend	0.1630
LE3.6	RATIO	Fall	BP	43.08	0.82	32.36	13.94	0.2210	No trend	0.0243
LE3.6	SHANNON	Fall	AP	2.32	0.05	36.64	0.85	0.0118	Improving	0.4795
LE3.6	SHANNON	Fall	BP	2.81	0.00	0.00	0.00	0.7995	No trend	0.7745
LE3.6	TOTABUND	Fall	AP	2288726	54958	41	934281	0.6609	No trend	0.2182
LE3.6	TOTABUND	Fall	BP	3936506	192879	83	3278943	0.0356	Increasing	0.6787
LE3.6	TOTBMASS	Fall	AP	115692036	-3130506	-46	-53218605	0.6947	No trend	0.3493
LE3.6	TOTBMASS	Fall	BP	123349403	11763358	162	199977086	0.0356	Increasing	0.3622
LE3.6	CHLORO	SAV1	AP	8294	716	147	12170	0.0093	Improving	0.6276
LE3.6	CHLORO	SAV1	BP	0	1228		20868	0.0016	Improving	0.2040
LE3.6	CHLORO_C	SAV1	AP	186615	24223	221	411790	0.0084	Improving	0.4910
LE3.6	CHLORO_C	SAV1	BP	0	31237		531027	0.0016	Improving	0.2056
LE3.6	CRYPTO	SAV1	AP	989362	4056	7	68959	0.6998	No trend	0.4631
LE3.6	CRYPTO	SAV1	BP	887499	9731	19	165420	0.2544	No trend	0.9760
LE3.6	CRYPTO_C	SAV1	AP	23754582	97394	7	1655699	0.6998	No trend	0.4631
LE3.6	CRYPTO_C	SAV1	BP	21308851	225048	18	3825821	0.2686	No trend	0.9786
LE3.6	CYANO	SAV1	AP	21081	8963	723	152374	0.0002	Degrading	0.5428
LE3.6	CYANO	SAV1	BP	32	6320	335759	107443	<0.0001	Degrading	0.7957
LE3.6	CYANO_C	SAV1	AP	31622	71269	3831	1211571	<0.0001	Degrading	0.5313
LE3.6	CYANO_C	SAV1	BP	257	35829	236743	609093	<0.0001	Degrading	0.9449
LE3.6	DIATOM	SAV1	AP	1929428	113041	100	1921705	0.0293	Improving	0.8680
LE3.6	DIATOM	SAV1	BP	3758536	80199	36	1363381	0.1494	No trend	0.1972
LE3.6	DIATOM_C	SAV1	AP	82398538	3230888	67	54925101	0.4814	No trend	0.5019
LE3.6	DIATOM_C	SAV1	BP	157218605	4410067	48	74971137	0.2834	No trend	0.0918
LE3.6	DINOFL_C	SAV1	AP	20756245	2304310	189	39173266	0.0081	Degrading	0.0788
LE3.6	DINOFL_C	SAV1	BP	27045735	1370967	86	23306431	0.0144	Degrading	0.1440
LE3.6	DINOFLG	SAV1	AP	133471	5528	70	93976	0.0560	No trend	0.4996
LE3.6	DINOFLG	SAV1	BP	77075	7584	167	128936	0.0007	Degrading	0.4312
LE3.6	EVENNESS	SAV1	AP	0.50	0.01	34.00	0.17	<0.0001	Improving	0.8089
LE3.6	EVENNESS	SAV1	BP	0.57	0.01	29.82	0.17	0.0049	Improving	0.5864
LE3.6	MARGALEF	SAV1	AP	2.15	0.01	7.91	0.17	0.4608	No trend	0.7080
LE3.6	MARGALEF	SAV1	BP	2.28	0.01	7.46	0.17	0.3834	No trend	0.9399
LE3.6	N_GENERA	SAV1	AP	26.50	0.25	16.04	4.25	0.0397	Improving	0.3897

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
LE3.6	N_GENERA	SAV1	BP	29.00	0.18	10.55	3.06	0.1890	No trend	0.8251
LE3.6	N_SP	SAV1	AP	33.50	0.17	8.63	2.89	0.3297	No trend	0.6106
LE3.6	N_SP	SAV1	BP	36.50	0.24	11.18	4.08	0.2018	No trend	0.9198
LE3.6	PROCAR_C	SAV1	AP	0.00	0.00		0.00	0.0001	No change	0.5784
LE3.6	PROCAR_C	SAV1	BP	0.00	0.00		0.00	<0.0001	No change	0.9535
LE3.6	PROCARY	SAV1	AP	0.01	0.00	0.00	0.00	0.0001	No change	0.5440
LE3.6	PROCARY	SAV1	BP	0.00	0.00		0.00	<0.0001	No change	0.8741
LE3.6	RATIO	SAV1	AP	56.38	-0.62	-18.69	-10.54	0.3146	No trend	0.4118
LE3.6	RATIO	SAV1	BP	59.34	-0.66	-18.91	-11.22	0.3834	No trend	0.9405
LE3.6	SHANNON	SAV1	AP	2.52	0.04	26.98	0.68	0.0001	Improving	0.6503
LE3.6	SHANNON	SAV1	BP	2.78	0.03	18.35	0.51	0.0066	Improving	0.8755
LE3.6	TOTABUND	SAV1	AP	4013553	146675	62	2493468	0.0703	No trend	0.8863
LE3.6	TOTABUND	SAV1	BP	5023081	107601	36	1829217	0.0703	No trend	0.3338
LE3.6	TOTBMASS	SAV1	AP	215415473	1514496	12	25746430	0.8406	No trend	0.2380
LE3.6	TOTBMASS	SAV1	BP	200361660	3522664	30	59885296	0.4814	No trend	0.1724
LE3.6	CHLORO	SAV2	AP	15162	1669	187	28375	0.0213	Improving	0.7341
LE3.6	CHLORO	SAV2	BP	12922	3958	521	67283	<0.0001	Improving	0.7464
LE3.6	CHLORO_C	SAV2	AP	373253	39764	181	675986	0.0431	Improving	0.7619
LE3.6	CHLORO_C	SAV2	BP	284517	122298	731	2079063	<0.0001	Improving	0.5742
LE3.6	CRYPTO	SAV2	AP	1160378	-20574	-30	-349754	0.0978	No trend	0.4424
LE3.6	CRYPTO	SAV2	BP	655258	6771	18	115110	0.4945	No trend	0.9675
LE3.6	CRYPTO_C	SAV2	AP	27860676	-493976	-30	-8397585	0.0978	No trend	0.4424
LE3.6	CRYPTO_C	SAV2	BP	15732733	162576	18	2763793	0.4945	No trend	0.9675
LE3.6	CYANO	SAV2	AP	16589	12732	1305	216439	0.0001	Degrading	0.8041
LE3.6	CYANO	SAV2	BP	384	14076	62316	239293	<0.0001	Degrading	0.8925
LE3.6	CYANO_C	SAV2	AP	31622	73419	3947	1248123	<0.0001	Degrading	0.7781
LE3.6	CYANO_C	SAV2	BP	10985	60940	9431	1035972	<0.0001	Degrading	0.9815
LE3.6	DIATOM	SAV2	AP	2386591	94717	67	1610183	0.0148	Improving	0.7913
LE3.6	DIATOM	SAV2	BP	1864872	114159	104	1940711	0.0023	Improving	0.5460
LE3.6	DIATOM_C	SAV2	AP	163875583	5999882	62	101998000	0.0516	No trend	0.8751
LE3.6	DIATOM_C	SAV2	BP	157218605	10617650	115	180500053	0.0029	Improving	0.4794
LE3.6	DINOFL_C	SAV2	AP	67270311	3423798	87	58204571	0.0088	Degrading	0.2239
LE3.6	DINOFL_C	SAV2	BP	34989682	1370967	67	23306431	0.0254	Degrading	0.7244
LE3.6	DINOFLG	SAV2	AP	205460	6417	53	109095	0.0833	No trend	0.7067
LE3.6	DINOFLG	SAV2	BP	122742	6048	84	102810	0.0142	Degrading	0.9348
LE3.6	EVENNESS	SAV2	AP	0.50	0.01	34.00	0.17	<0.0001	Improving	0.8591
LE3.6	EVENNESS	SAV2	BP	0.55	0.01	30.91	0.17	0.0003	Improving	0.9154
LE3.6	MARGALEF	SAV2	AP	2.50	0.00	0.00	0.00	0.9878	No trend	0.7283
LE3.6	MARGALEF	SAV2	BP	2.46	0.00	0.00	0.00	0.6638	No trend	0.9558
LE3.6	N_GENERA	SAV2	AP	31.00	0.13	7.13	2.21	0.0979	No trend	0.7439
LE3.6	N_GENERA	SAV2	BP	30.50	0.17	9.48	2.89	0.1431	No trend	0.8596
LE3.6	N_SP	SAV2	AP	39.00	0.00	0.00	0.00	0.7821	No trend	0.8740
LE3.6	N_SP	SAV2	BP	38.00	0.17	7.61	2.89	0.3506	No trend	0.9230
LE3.6	PROCAR_C	SAV2	AP	0.00	0.00		0.00	0.0002	No change	0.8282
LE3.6	PROCAR_C	SAV2	BP	0.00	0.00		0.00	<0.0001	No change	0.9656
LE3.6	PROCARY	SAV2	AP	0.00	0.00		0.00	<0.0001	No change	0.7942
LE3.6	PROCARY	SAV2	BP	0.00	0.00		0.00	<0.0001	No change	0.9602
LE3.6	RATIO	SAV2	AP	60.54	0.74	20.78	12.58	0.4713	No trend	0.3591
LE3.6	RATIO	SAV2	BP	63.14	0.17	4.58	2.89	0.7327	No trend	0.6367
LE3.6	SHANNON	SAV2	AP	2.76	0.04	24.64	0.68	<0.0001	Improving	0.7790
LE3.6	SHANNON	SAV2	BP	2.78	0.04	24.46	0.68	0.0004	Improving	0.8237
LE3.6	TOTABUND	SAV2	AP	4752753	100176	36	1702990	0.2144	No trend	0.6708
LE3.6	TOTABUND	SAV2	BP	3429246	135018	67	2295299	0.0032	Increasing	0.5681
LE3.6	TOTBMASS	SAV2	AP	303025641	11425022	64	194225377	0.0948	No trend	0.3007
LE3.6	TOTBMASS	SAV2	BP	282858621	12349148	74	209935514	0.0026	Increasing	0.3590
LE3.6	CHLORO	Spring1	AP	82555	3953	77	63249	0.0774	No trend	0.3599
LE3.6	CHLORO	Spring1	BP	16589	272	26	4352	0.3361	No trend	0.1576
LE3.6	CHLORO_C	Spring1	AP	4246603	140671	53	2250742	0.0693	No trend	0.2733
LE3.6	CHLORO_C	Spring1	BP	373253	5965	26	95446	0.1884	No trend	0.1239
LE3.6	CRYPTO	Spring1	AP	947207	7664	13	122623	0.4963	No trend	0.1308

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
LE3.6	CRYPTO	Spring1	BP	988603	6281	10	100499	0.6144	No trend	0.8490
LE3.6	CRYPTO_C	Spring1	AP	22742428	184011	13	2944175	0.4963	No trend	0.1308
LE3.6	CRYPTO_C	Spring1	BP	23736346	150283	10	2404529	0.6503	No trend	0.8801
LE3.6	CYANO	Spring1	AP	1451520	3732	4	59709	0.0685	No trend	0.2679
LE3.6	CYANO	Spring1	BP	0	13584		217348	0.0055	Degrading	0.6337
LE3.6	CYANO_C	Spring1	AP	36019094	49329	2	789266	0.0336	Degrading	0.2344
LE3.6	CYANO_C	Spring1	BP	0	44934		718945	0.0027	Degrading	0.8952
LE3.6	DIATOM	Spring1	AP	2820344	131033	74	2096532	0.3645	No trend	0.9237
LE3.6	DIATOM	Spring1	BP	6038862	-122470	-32	-1959526	0.3918	No trend	0.5671
LE3.6	DIATOM_C	Spring1	AP	586883955	-10033709	-27	-160539344	0.5795	No trend	0.3397
LE3.6	DIATOM_C	Spring1	BP	788040561	-24260737	-49	-388171792	0.1902	No trend	0.3988
LE3.6	DINOFL_C	Spring1	AP	13136653	2528311	308	40452980	0.0018	Degrading	0.4305
LE3.6	DINOFL_C	Spring1	BP	27887358	2795572	160	44729151	0.0025	Degrading	0.1410
LE3.6	DINOFLG	Spring1	AP	133471	11249	135	179985	0.0303	Degrading	0.8666
LE3.6	DINOFLG	Spring1	BP	198311	15137	122	242192	0.0076	Degrading	0.1049
LE3.6	EVENNESS	Spring1	AP	0.55	0.01	29.09	0.16	0.0003	Improving	0.7947
LE3.6	EVENNESS	Spring1	BP	0.60	0.01	26.67	0.16	0.0056	Improving	0.9554
LE3.6	MARGALEF	Spring1	AP	2.22	0.01	7.21	0.16	0.4806	No trend	0.2728
LE3.6	MARGALEF	Spring1	BP	2.32	0.01	6.90	0.16	0.5795	No trend	0.8760
LE3.6	N_GENERA	Spring1	AP	27.50	0.25	14.55	4.00	0.1103	No trend	0.0886
LE3.6	N_GENERA	Spring1	BP	34.50	0.00	0.00	0.00	0.7803	No trend	0.7357
LE3.6	N_SP	Spring1	AP	35.50	0.17	7.66	2.72	0.5442	No trend	0.2049
LE3.6	N_SP	Spring1	BP	38.00	0.07	2.95	1.12	0.6862	No trend	0.7797
LE3.6	PROCAR_C	Spring1	AP	0.04	0.00	0.00	0.00	0.0545	No trend	0.3011
LE3.6	PROCAR_C	Spring1	BP	0.00	0.00		0.00	0.0022	No change	0.9148
LE3.6	PROCARY	Spring1	AP	0.29	0.00	0.00	0.00	0.0430	No change	0.2393
LE3.6	PROCARY	Spring1	BP	0.00	0.00		0.00	0.0022	No change	0.8174
LE3.6	RATIO	Spring1	AP	84.13	-2.05	-38.99	-32.80	0.1584	No trend	0.4646
LE3.6	RATIO	Spring1	BP	86.84	-1.46	-26.90	-23.36	0.2266	No trend	0.9805
LE3.6	SHANNON	Spring1	AP	2.81	0.05	28.47	0.80	0.0006	Improving	0.4956
LE3.6	SHANNON	Spring1	BP	3.30	0.04	19.39	0.64	0.0234	Improving	0.9956
LE3.6	TOTABUND	Spring1	AP	4564283	106831	37	1709293	0.4806	No trend	0.9623
LE3.6	TOTABUND	Spring1	BP	9263760	-27969	-5	-447501	0.8403	No trend	0.4063
LE3.6	TOTBMASS	Spring1	AP	697210332	-6059176	-14	-96946819	0.7624	No trend	0.4067
LE3.6	TOTBMASS	Spring1	BP	887336548	-19535237	-35	-312563792	0.2901	No trend	0.2881
LE3.6	CHLORO	Spring2	AP	82555	5181	100	82898	0.1423	No trend	0.4947
LE3.6	CHLORO	Spring2	BP	21967	2670	194	42724	0.0538	No trend	0.4364
LE3.6	CHLORO_C	Spring2	AP	4246603	93267	35	1492276	0.3364	No trend	0.6888
LE3.6	CHLORO_C	Spring2	BP	494258	77741	252	1243850	0.0292	Improving	0.3527
LE3.6	CRYPTO	Spring2	AP	989362	-22926	-37	-366818	0.1243	No trend	0.3303
LE3.6	CRYPTO	Spring2	BP	1511014	-675	-1	-10803	1.0000	No trend	0.9926
LE3.6	CRYPTO_C	Spring2	AP	23754582	-550456	-37	-8807294	0.1243	No trend	0.3303
LE3.6	CRYPTO_C	Spring2	BP	36279446	-16212	-1	-259388	1.0000	No trend	0.9926
LE3.6	CYANO	Spring2	AP	33178	5823	281	93174	0.0256	Degrading	0.3380
LE3.6	CYANO	Spring2	BP	13306	25061	3014	400984	0.0028	Degrading	0.6173
LE3.6	CYANO_C	Spring2	AP	533005	66035	198	1056559	0.0097	Degrading	0.2472
LE3.6	CYANO_C	Spring2	BP	85431	80222	1502	1283553	0.0017	Degrading	0.9063
LE3.6	DIATOM	Spring2	AP	2820344	47431	27	758895	0.5455	No trend	0.7394
LE3.6	DIATOM	Spring2	BP	3758536	40191	17	643059	0.5795	No trend	0.5604
LE3.6	DIATOM_C	Spring2	AP	313866182	2951028	15	47216454	0.7243	No trend	0.9655
LE3.6	DIATOM_C	Spring2	BP	341194324	12480410	59	199686557	0.3385	No trend	0.1685
LE3.6	DINOFL_C	Spring2	AP	20756245	2602832	201	41645305	0.0179	Degrading	0.7462
LE3.6	DINOFL_C	Spring2	BP	27887358	2323242	133	37171867	0.0494	Degrading	0.7107
LE3.6	DINOFLG	Spring2	AP	205460	7175	56	114803	0.1738	No trend	0.8316
LE3.6	DINOFLG	Spring2	BP	287273	8085	45	129360	0.1584	No trend	0.7427
LE3.6	EVENNESS	Spring2	AP	0.55	0.01	29.09	0.16	0.0002	Improving	0.7024
LE3.6	EVENNESS	Spring2	BP	0.53	0.01	30.19	0.16	0.0030	Improving	0.8819
LE3.6	MARGALEF	Spring2	AP	2.25	0.00	0.00	0.00	0.9598	No trend	0.7961
LE3.6	MARGALEF	Spring2	BP	2.32	0.00	0.00	0.00	0.8403	No trend	0.6481
LE3.6	N_GENERA	Spring2	AP	31.00	0.12	6.19	1.92	0.4478	No trend	0.3054

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
LE3.6	N_GENERA	Spring2	BP	34.50	0.00	0.00	0.00	0.8396	No trend	0.6881
LE3.6	N_SP	Spring2	AP	36.00	-0.02	-0.89	-0.32	0.8201	No trend	0.7281
LE3.6	N_SP	Spring2	BP	38.00	0.02	0.84	0.32	0.8996	No trend	0.6160
LE3.6	PROCAR_C	Spring2	AP	0.00	0.00		0.00	0.0171	No change	0.2898
LE3.6	PROCAR_C	Spring2	BP	0.00	0.00		0.00	0.0024	No change	0.9038
LE3.6	PROCARY	Spring2	AP	0.00	0.00		0.00	0.0129	No change	0.3332
LE3.6	PROCARY	Spring2	BP	0.00	0.00		0.00	0.0017	No change	0.8114
LE3.6	RATIO	Spring2	AP	83.06	0.41	7.90	6.56	0.8011	No trend	0.5138
LE3.6	RATIO	Spring2	BP	63.14	0.17	4.31	2.72	0.8403	No trend	0.1842
LE3.6	SHANNON	Spring2	AP	2.81	0.05	28.47	0.80	0.0009	Improving	0.5727
LE3.6	SHANNON	Spring2	BP	2.78	0.05	28.78	0.80	0.0076	Improving	0.9060
LE3.6	TOTABUND	Spring2	AP	7924697	-24411	-5	-390575	0.8403	No trend	0.5279
LE3.6	TOTABUND	Spring2	BP	6008232	60273	16	964365	0.5455	No trend	0.4256
LE3.6	TOTBMASS	Spring2	AP	462485549	3868828	13	61901250	0.6144	No trend	0.9639
LE3.6	TOTBMASS	Spring2	BP	416811976	12581132	48	201298112	0.2901	No trend	0.1601
LE3.6	CHLORO	Summer1	AP	8294	1130	232	19215	0.0695	No trend	0.5267
LE3.6	CHLORO	Summer1	BP	16589	3812	391	64804	0.0032	Improving	0.8850
LE3.6	CHLORO_C	Summer1	AP	186615	22097	201	375650	0.1057	No trend	0.5087
LE3.6	CHLORO_C	Summer1	BP	373253	123151	561	2093567	0.0015	Improving	0.6511
LE3.6	CRYPTO	Summer1	AP	1959079	-36446	-32	-619581	0.1270	No trend	0.1918
LE3.6	CRYPTO	Summer1	BP	655258	5550	14	94354	0.7524	No trend	0.9046
LE3.6	CRYPTO_C	Summer1	AP	47037475	-875068	-32	-14876150	0.1270	No trend	0.1918
LE3.6	CRYPTO_C	Summer1	BP	15732733	133296	14	2266032	0.7524	No trend	0.9046
LE3.6	CYANO	Summer1	AP	16589	23680	2427	402560	0.0025	Degrading	0.8492
LE3.6	CYANO	Summer1	BP	64	9128	242469	155180	<0.0001	Degrading	0.8061
LE3.6	CYANO_C	Summer1	AP	80966	97882	2055	1663992	0.0012	Degrading	0.9495
LE3.6	CYANO_C	Summer1	BP	515	54507	180081	926625	<0.0001	Degrading	0.8596
LE3.6	DIATOM	Summer1	AP	2386591	86675	62	1473474	0.0238	Improving	0.4451
LE3.6	DIATOM	Summer1	BP	1680121	132723	134	2256298	0.0012	Improving	0.8653
LE3.6	DIATOM_C	Summer1	AP	163875583	6334435	66	107685392	0.0466	Improving	0.6249
LE3.6	DIATOM_C	Summer1	BP	134118429	11168009	142	189856156	0.0016	Improving	0.9548
LE3.6	DINOFL_C	Summer1	AP	86491911	9781484	192	166285232	0.0051	Degrading	0.8099
LE3.6	DINOFL_C	Summer1	BP	68099467	2505126	63	42587149	0.0222	Degrading	0.8690
LE3.6	DINOFLG	Summer1	AP	300407	9973	56	169541	0.0929	No trend	0.7670
LE3.6	DINOFLG	Summer1	BP	122742	6437	89	109422	0.0366	Degrading	0.7655
LE3.6	EVENNESS	Summer1	AP	0.50	0.01	34.00	0.17	0.0010	Improving	0.5138
LE3.6	EVENNESS	Summer1	BP	0.55	0.01	30.91	0.17	0.0045	Improving	0.6539
LE3.6	MARGALEF	Summer1	AP	2.58	0.00	0.00	0.00	0.8317	No trend	0.3521
LE3.6	MARGALEF	Summer1	BP	2.54	0.00	0.00	0.00	0.7524	No trend	0.8255
LE3.6	N_GENERA	Summer1	AP	32.00	0.14	7.44	2.38	0.1136	No trend	0.8136
LE3.6	N_GENERA	Summer1	BP	30.50	0.21	11.70	3.57	0.1547	No trend	0.5587
LE3.6	N_SP	Summer1	AP	41.00	0.09	3.73	1.53	0.6148	No trend	0.6776
LE3.6	N_SP	Summer1	BP	39.00	0.15	6.54	2.55	0.4648	No trend	0.6540
LE3.6	PROCAR_C	Summer1	AP	0.00	0.00		0.00	0.0050	No change	0.9581
LE3.6	PROCAR_C	Summer1	BP	0.00	0.00		0.00	0.0002	No change	0.7438
LE3.6	PROCARY	Summer1	AP	0.00	0.00		0.00	0.0034	No change	0.8681
LE3.6	PROCARY	Summer1	BP	0.00	0.00		0.00	<0.0001	No change	0.8253
LE3.6	RATIO	Summer1	AP	59.65	1.58	45.03	26.86	0.0665	No trend	0.7411
LE3.6	RATIO	Summer1	BP	86.86	1.03	20.16	17.51	0.2368	No trend	0.6104
LE3.6	SHANNON	Summer1	AP	2.76	0.04	24.64	0.68	0.0008	Improving	0.3966
LE3.6	SHANNON	Summer1	BP	2.72	0.04	25.00	0.68	0.0021	Improving	0.5383
LE3.6	TOTABUND	Summer1	AP	5374409	114226	36	1941844	0.2387	No trend	0.2799
LE3.6	TOTABUND	Summer1	BP	3181495	145748	78	2477718	0.0045	Increasing	0.8472
LE3.6	TOTBMASS	Summer1	AP	303025641	16810306	94	285775207	0.0158	Increasing	0.6212
LE3.6	TOTBMASS	Summer1	BP	282858621	17293634	104	293991773	0.0003	Increasing	0.9472
LE3.6	CHLORO	Summer2	AP	4155	66	27	1118	0.1785	No trend	0.3702
LE3.6	CHLORO	Summer2	BP	14755	3812	439	64804	0.0050	Improving	0.8309
LE3.6	CHLORO_C	Summer2	AP	93399	8341	152	141804	0.1512	No trend	0.3140
LE3.6	CHLORO_C	Summer2	BP	328885	188963	977	3212366	0.0021	Improving	0.5542
LE3.6	CRYPTO	Summer2	AP	1547961	-21710	-24	-369077	0.4440	No trend	0.1890

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
LE3.6	CRYPTO	Summer2	BP	647542	7512	20	127701	0.6861	No trend	0.7802
LE3.6	CRYPTO_C	Summer2	AP	37166538	-521267	-24	-8861546	0.4440	No trend	0.1890
LE3.6	CRYPTO_C	Summer2	BP	15547471	180358	20	3066093	0.6861	No trend	0.7802
LE3.6	CYANO	Summer2	AP	8327	23946	4889	407080	0.0051	Degrading	0.7217
LE3.6	CYANO	Summer2	BP	48	7361	260719	125145	0.0001	Degrading	0.6340
LE3.6	CYANO_C	Summer2	AP	52197	84757	2760	1440869	0.0054	Degrading	0.8391
LE3.6	CYANO_C	Summer2	BP	386	50000	220255	850008	0.0001	Degrading	0.7218
LE3.6	DIATOM	Summer2	AP	2414161	114904	81	1953366	0.0071	Improving	0.8865
LE3.6	DIATOM	Summer2	BP	1608683	129660	137	2204222	0.0019	Improving	0.8367
LE3.6	DIATOM_C	Summer2	AP	183971311	8212567	76	139613641	0.0243	Improving	0.7843
LE3.6	DIATOM_C	Summer2	BP	134087851	9222566	117	156783623	0.0119	Improving	0.9392
LE3.6	DINOFL_C	Summer2	AP	76881111	11208386	248	190542569	0.0152	Degrading	0.6175
LE3.6	DINOFL_C	Summer2	BP	65803123	1816994	47	30888896	0.0724	No trend	0.7487
LE3.6	DINOFLG	Summer2	AP	243818	11075	77	188279	0.0841	No trend	0.6679
LE3.6	DINOFLG	Summer2	BP	121045	5765	81	98006	0.0724	No trend	0.5634
LE3.6	EVENNESS	Summer2	AP	0.47	0.00	0.00	0.00	0.0217	No change	0.6577
LE3.6	EVENNESS	Summer2	BP	0.57	0.01	29.82	0.17	0.0348	Improving	0.5865
LE3.6	MARGALEF	Summer2	AP	2.54	0.00	0.00	0.00	0.9826	No trend	0.2071
LE3.6	MARGALEF	Summer2	BP	2.52	0.01	6.75	0.17	0.5005	No trend	0.8980
LE3.6	N_GENERA	Summer2	AP	31.00	0.11	6.03	1.87	0.1832	No trend	0.6246
LE3.6	N_GENERA	Summer2	BP	30.50	0.31	17.28	5.27	0.0617	No trend	0.8481
LE3.6	N_SP	Summer2	AP	40.00	0.08	3.40	1.36	0.6932	No trend	0.4694
LE3.6	N_SP	Summer2	BP	38.50	0.25	11.04	4.25	0.2511	No trend	0.7798
LE3.6	PROCAR_C	Summer2	AP	0.00	0.00		0.00	0.0217	No change	0.8961
LE3.6	PROCAR_C	Summer2	BP	0.00	0.00		0.00	0.0006	No change	0.6037
LE3.6	PROCARY	Summer2	AP	0.00	0.00		0.00	0.0081	No change	0.7169
LE3.6	PROCARY	Summer2	BP	0.00	0.00		0.00	0.0001	No change	0.6579
LE3.6	RATIO	Summer2	AP	58.82	1.60	46.24	27.20	0.1205	No trend	0.5370
LE3.6	RATIO	Summer2	BP	93.36	0.63	11.47	10.71	0.6213	No trend	0.7366
LE3.6	SHANNON	Summer2	AP	2.58	0.03	19.77	0.51	0.0193	Improving	0.4573
LE3.6	SHANNON	Summer2	BP	2.87	0.04	23.69	0.68	0.0135	Improving	0.3714
LE3.6	TOTABUND	Summer2	AP	5063581	192947	65	3280093	0.0630	No trend	0.7238
LE3.6	TOTABUND	Summer2	BP	3152142	163808	88	2784743	0.0047	Increasing	0.8975
LE3.6	TOTBMASS	Summer2	AP	289826787	26875183	158	456878109	0.0071	Increasing	0.9281
LE3.6	TOTBMASS	Summer2	BP	273170511	14068338	88	239161749	0.0019	Increasing	0.8356
LE3.6	CHLORO	Winter	AP	37325	1963	84	31403	0.0269	Improving	0.7017
LE3.6	CHLORO	Winter	BP	15079	47	5	745	0.0734	No trend	0.5625
LE3.6	CHLORO_C	Winter	AP	839801	27962	53	447389	0.0892	No trend	0.7400
LE3.6	CHLORO_C	Winter	BP	3088529	585	0	9355	0.0685	No trend	0.6300
LE3.6	CRYPTO	Winter	AP	1157071	-655	-1	-10473	0.9243	No trend	0.3571
LE3.6	CRYPTO	Winter	BP	660481	12112	29	193795	0.2542	No trend	0.1340
LE3.6	CRYPTO_C	Winter	AP	27781275	-28684	-2	-458943	0.9243	No trend	0.3571
LE3.6	CRYPTO_C	Winter	BP	15858137	290814	29	4653023	0.2542	No trend	0.1340
LE3.6	CYANO	Winter	AP	0	14724		235588	0.0006	Degrading	0.7452
LE3.6	CYANO	Winter	BP	32	2153	107625	34440	0.0146	Degrading	0.8868
LE3.6	CYANO_C	Winter	AP	0	92221		1475538	0.0001	Degrading	0.8052
LE3.6	CYANO_C	Winter	BP	4478	56387	20148	902189	0.0078	Degrading	0.4187
LE3.6	DIATOM	Winter	AP	14610073	-102224	-11	-1635580	0.4287	No trend	0.5364
LE3.6	DIATOM	Winter	BP	12237866	34488	5	551802	0.6806	No trend	0.9537
LE3.6	DIATOM_C	Winter	AP	886165640	-4791366	-9	-76661856	0.7757	No trend	0.0824
LE3.6	DIATOM_C	Winter	BP	637047795	5094882	13	81518104	0.6349	No trend	0.7884
LE3.6	DINOFL_C	Winter	AP	16537635	1677051	162	26832809	0.1064	No trend	0.8895
LE3.6	DINOFL_C	Winter	BP	10523153	2596594	395	41545507	<0.0001	Degrading	0.3498
LE3.6	DINOFLG	Winter	AP	183693	4635	40	74155	0.5475	No trend	0.6246
LE3.6	DINOFLG	Winter	BP	73940	6045	131	96724	0.2414	No trend	0.0980
LE3.6	EVENNESS	Winter	AP	0.36	0.01	44.44	0.16	0.0148	Improving	0.1579
LE3.6	EVENNESS	Winter	BP	0.41	0.01	39.02	0.16	0.0396	Improving	0.7716
LE3.6	MARGALEF	Winter	AP	2.29	-0.01	-6.99	-0.16	0.5061	No trend	0.8706
LE3.6	MARGALEF	Winter	BP	1.96	-0.01	-8.16	-0.16	0.7757	No trend	0.5601
LE3.6	N_GENERA	Winter	AP	31.00	-0.13	-6.71	-2.08	0.4634	No trend	0.8169

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
LE3.6	N_GENERA	Winter	BP	26.00	0.13	8.00	2.08	0.6794	No trend	0.7922
LE3.6	N_SP	Winter	AP	39.00	-0.20	-8.21	-3.20	0.3560	No trend	0.8388
LE3.6	N_SP	Winter	BP	33.00	0.00	0.00	0.00	0.8488	No trend	0.6397
LE3.6	PROCAR_C	Winter	AP	0.00	0.00		0.00	0.0001	No change	0.5268
LE3.6	PROCAR_C	Winter	BP	0.00	0.00		0.00	0.0317	No change	0.3899
LE3.6	PROCARY	Winter	AP	0.00	0.00		0.00	0.0005	No change	0.9242
LE3.6	PROCARY	Winter	BP	0.00	0.00		0.00	0.0135	No change	0.9856
LE3.6	RATIO	Winter	AP	53.32	2.66	79.82	42.56	0.2414	No trend	0.4344
LE3.6	RATIO	Winter	BP	58.75	1.95	53.11	31.20	0.2961	No trend	0.8975
LE3.6	SHANNON	Winter	AP	1.93	0.06	49.74	0.96	0.0461	Improving	0.1180
LE3.6	SHANNON	Winter	BP	2.07	0.04	30.92	0.64	0.0289	Improving	0.7806
LE3.6	TOTABUND	Winter	AP	16442977	-164328	-16	-2629248	0.2678	No trend	0.9540
LE3.6	TOTABUND	Winter	BP	13136658	74329	9	1189269	0.5904	No trend	0.9630
LE3.6	TOTBMASS	Winter	AP	943724793	-2386031	-4	-38176498	0.9243	No trend	0.1917
LE3.6	TOTBMASS	Winter	BP	670945932	8819070	21	141105120	0.3585	No trend	0.9911
CB6.1	CHLORO	Annual	AP	6229	448	122	7616	<0.0001	Improving	0.8774
CB6.1	CHLORO	Annual	BP	2074	632	518	10748	0.0001	Improving	0.9515
CB6.1	CHLORO_C	Annual	AP	140324	13521	164	229862	<0.0001	Improving	0.9301
CB6.1	CHLORO_C	Annual	BP	46654	20140	734	342381	<0.0001	Improving	0.8932
CB6.1	CRYPTO	Annual	AP	1133883	-19263	-29	-327464	0.0681	No trend	0.7260
CB6.1	CRYPTO	Annual	BP	513264	-3406	-11	-57908	0.7295	No trend	0.7079
CB6.1	CRYPTO_C	Annual	AP	25735449	-444653	-29	-7559104	0.0838	No trend	0.7237
CB6.1	CRYPTO_C	Annual	BP	12323469	-71658	-10	-1218183	0.7295	No trend	0.7034
CB6.1	CYANO	Annual	AP	20479	4731	393	80421	<0.0001	Degrading	0.7583
CB6.1	CYANO	Annual	BP	7339	2726	632	46349	<0.0001	Degrading	0.9939
CB6.1	CYANO_C	Annual	AP	66266	32233	827	547956	<0.0001	Degrading	0.8819
CB6.1	CYANO_C	Annual	BP	35191	20272	979	344626	<0.0001	Degrading	0.9998
CB6.1	DIATOM	Annual	AP	2111586	43220	35	734746	0.1024	No trend	0.7653
CB6.1	DIATOM	Annual	BP	1438003	2566	3	43629	0.8956	No trend	0.4056
CB6.1	DIATOM_C	Annual	AP	130822703	3568046	46	60656777	0.0612	No trend	0.0938
CB6.1	DIATOM_C	Annual	BP	107389741	1256394	20	21358697	0.4670	No trend	0.4599
CB6.1	DINOFL_C	Annual	AP	32128541	1526099	81	25943678	0.0291	Degrading	0.0980
CB6.1	DINOFL_C	Annual	BP	13773038	710538	88	12079145	0.0214	Degrading	0.6660
CB6.1	DINOFLG	Annual	AP	180131	3080	29	52363	0.1491	No trend	0.2747
CB6.1	DINOFLG	Annual	BP	38768	361	16	6143	0.5916	No trend	0.9467
CB6.1	EVENNESS	Annual	AP	0.52	0.01	32.69	0.17	<0.0001	Improving	0.9045
CB6.1	EVENNESS	Annual	BP	0.54	0.01	31.48	0.17	<0.0001	Improving	0.5039
CB6.1	MARGALEF	Annual	AP	2.45	0.01	6.94	0.17	0.0612	No trend	0.8214
CB6.1	MARGALEF	Annual	BP	2.19	0.00	0.00	0.00	0.8581	No trend	0.7682
CB6.1	N_GENERA	Annual	AP	30.25	0.25	14.05	4.25	0.0027	Improving	0.8517
CB6.1	N_GENERA	Annual	BP	27.00	0.05	3.15	0.85	0.3818	No trend	0.7017
CB6.1	N_SP	Annual	AP	38.50	0.20	8.83	3.40	0.0618	No trend	0.6803
CB6.1	N_SP	Annual	BP	35.50	0.00	0.00	0.00	0.8857	No trend	0.6644
CB6.1	PROCAR_C	Annual	AP	0.00	0.00		0.00	<0.0001	No change	0.9095
CB6.1	PROCAR_C	Annual	BP	0.00	0.00		0.00	<0.0001	No change	0.9996
CB6.1	PROCARY	Annual	AP	0.00	0.00		0.00	<0.0001	No change	0.7576
CB6.1	PROCARY	Annual	BP	0.00	0.00		0.00	<0.0001	No change	0.9886
CB6.1	RATIO	Annual	AP	75.15	0.29	6.56	4.93	0.5916	No trend	0.0985
CB6.1	RATIO	Annual	BP	57.65	0.52	15.33	8.84	0.2779	No trend	0.7353
CB6.1	SHANNON	Annual	AP	2.76	0.05	30.80	0.85	<0.0001	Improving	0.8709
CB6.1	SHANNON	Annual	BP	2.80	0.04	24.29	0.68	<0.0001	Improving	0.6785
CB6.1	TOTABUND	Annual	AP	4790491	1234	0	20972	0.9335	No trend	0.9863
CB6.1	TOTABUND	Annual	BP	2900128	-7422	-4	-126166	0.8394	No trend	0.4978
CB6.1	TOTBMASS	Annual	AP	353120779	4433872	21	75375823	0.3223	No trend	0.0043
CB6.1	TOTBMASS	Annual	BP	166602062	196845	2	3346372	0.9905	No trend	0.8581
CB6.1	CHLORO	Fall	AP	0	21		363	0.0061	Improving	0.9326
CB6.1	CHLORO	Fall	BP	0	21		363	0.0155	Improving	0.9127
CB6.1	CHLORO_C	Fall	AP	0	0		0	0.0213	No change	0.9865
CB6.1	CHLORO_C	Fall	BP	0	6555		111428	0.0110	Improving	0.8235
CB6.1	CRYPTO	Fall	AP	1199978	-21334	-30	-362678	0.2267	No trend	0.8654

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB6.1	CRYPTO	Fall	BP	213609	7417	59	126092	0.6524	No trend	0.8734
CB6.1	CRYPTO_C	Fall	AP	28811460	-492032	-29	-8364546	0.2861	No trend	0.7564
CB6.1	CRYPTO_C	Fall	BP	4525883	178087	67	3027478	0.6186	No trend	0.8562
CB6.1	CYANO	Fall	AP	6771	128	32	2176	0.0139	Degrading	0.9230
CB6.1	CYANO	Fall	BP	21752	4200	328	71399	0.0159	Degrading	0.8863
CB6.1	CYANO_C	Fall	AP	20561	3373	279	57338	0.0073	Degrading	0.8661
CB6.1	CYANO_C	Fall	BP	32627	20792	1083	353460	0.0105	Degrading	0.9080
CB6.1	DIATOM	Fall	AP	1671584	58548	60	995316	0.1766	No trend	0.4887
CB6.1	DIATOM	Fall	BP	654851	85461	222	1452834	0.1353	No trend	0.8197
CB6.1	DIATOM_C	Fall	AP	92293070	6209950	114	105569147	0.0924	No trend	0.0155
CB6.1	DIATOM_C	Fall	BP	23350638	8341608	607	141807339	0.0392	Improving	0.9758
CB6.1	DINOFL_C	Fall	AP	40422247	-266880	-11	-4536968	0.8682	No trend	0.0192
CB6.1	DINOFL_C	Fall	BP	2134649	321809	256	5470754	0.3805	No trend	0.5295
CB6.1	DINOFLG	Fall	AP	176788	-933	-9	-15868	0.7580	No trend	0.3952
CB6.1	DINOFLG	Fall	BP	8049	-32	-7	-544	0.9433	No trend	0.7274
CB6.1	EVENNESS	Fall	AP	0.50	0.01	34.00	0.17	0.0439	Improving	0.9609
CB6.1	EVENNESS	Fall	BP	0.51	0.01	33.33	0.17	0.1482	No trend	0.7265
CB6.1	MARGALEF	Fall	AP	2.33	0.00	0.00	0.00	0.8682	No trend	0.1542
CB6.1	MARGALEF	Fall	BP	1.81	0.02	18.78	0.34	0.3552	No trend	0.2736
CB6.1	N_GENERA	Fall	AP	29.00	0.07	4.10	1.19	0.5189	No trend	0.1767
CB6.1	N_GENERA	Fall	BP	22.25	0.27	20.63	4.59	0.2949	No trend	0.4557
CB6.1	N_SP	Fall	AP	35.50	0.14	6.70	2.38	0.4897	No trend	0.0678
CB6.1	N_SP	Fall	BP	25.50	0.33	22.00	5.61	0.3659	No trend	0.3838
CB6.1	PROCAR_C	Fall	AP	0.00	0.00		0.00	0.0091	No change	0.8072
CB6.1	PROCAR_C	Fall	BP	0.00	0.00		0.00	0.0343	No change	0.9034
CB6.1	PROCARY	Fall	AP	0.00	0.00		0.00	0.0079	No change	0.8695
CB6.1	PROCARY	Fall	BP	0.03	0.00	0.00	0.00	0.0436	No change	0.6939
CB6.1	RATIO	Fall	AP	34.47	1.12	55.24	19.04	0.3552	No trend	0.0297
CB6.1	RATIO	Fall	BP	33.89	1.28	64.21	21.76	0.2267	No trend	0.8999
CB6.1	SHANNON	Fall	AP	2.39	0.03	21.34	0.51	0.0243	Improving	0.7076
CB6.1	SHANNON	Fall	BP	2.52	0.03	20.24	0.51	0.0548	No trend	0.9653
CB6.1	TOTABUND	Fall	AP	3310628	7025	4	119425	0.7222	No trend	0.7460
CB6.1	TOTABUND	Fall	BP	999051	93597	159	1591147	0.1766	No trend	0.9209
CB6.1	TOTBMASS	Fall	AP	147203986	4429747	51	75305707	0.4918	No trend	0.0001
CB6.1	TOTBMASS	Fall	BP	35485523	6737632	323	114539747	0.1923	No trend	0.9500
CB6.1	CHLORO	SAV1	AP	8294	1672	343	28416	0.0033	Improving	0.7346
CB6.1	CHLORO	SAV1	BP	0	256		4352	0.0049	Improving	0.9300
CB6.1	CHLORO_C	SAV1	AP	186615	34416	314	585064	0.0039	Improving	0.8974
CB6.1	CHLORO_C	SAV1	BP	0	11603		197249	0.0040	Improving	0.8893
CB6.1	CRYPTO	SAV1	AP	675994	-12958	-33	-220280	0.3834	No trend	0.8936
CB6.1	CRYPTO	SAV1	BP	478679	-2826	-10	-48043	0.8145	No trend	0.3159
CB6.1	CRYPTO_C	SAV1	AP	16230616	-299027	-31	-5083462	0.3654	No trend	0.8946
CB6.1	CRYPTO_C	SAV1	BP	11493083	-76722	-11	-1304282	0.7886	No trend	0.3215
CB6.1	CYANO	SAV1	AP	27415	3525	219	59932	0.0011	Degrading	0.9064
CB6.1	CYANO	SAV1	BP	20105	4361	369	74137	0.0003	Degrading	0.8471
CB6.1	CYANO_C	SAV1	AP	102919	24851	410	422472	0.0010	Degrading	0.8812
CB6.1	CYANO_C	SAV1	BP	35097	45380	2198	771465	0.0001	Degrading	0.9764
CB6.1	DIATOM	SAV1	AP	2218883	19565	15	332602	0.4814	No trend	0.7665
CB6.1	DIATOM	SAV1	BP	1080057	23733	37	403453	0.5462	No trend	0.6954
CB6.1	DIATOM_C	SAV1	AP	123998041	1797709	25	30561045	0.4211	No trend	0.6612
CB6.1	DIATOM_C	SAV1	BP	107031085	2292966	36	38980417	0.3146	No trend	0.4539
CB6.1	DINOFL_C	SAV1	AP	27975898	1559686	95	26514668	0.0703	No trend	0.0197
CB6.1	DINOFL_C	SAV1	BP	15019956	800722	91	13612279	0.0560	No trend	0.3582
CB6.1	DINOFLG	SAV1	AP	151241	6814	77	115842	0.0269	Degrading	0.1164
CB6.1	DINOFLG	SAV1	BP	33235	1057	54	17973	0.4211	No trend	0.7581
CB6.1	EVENNESS	SAV1	AP	0.54	0.01	31.48	0.17	<0.0001	Improving	0.7562
CB6.1	EVENNESS	SAV1	BP	0.57	0.01	29.82	0.17	<0.0001	Improving	0.5044
CB6.1	MARGALEF	SAV1	AP	2.46	0.02	13.82	0.34	0.2027	No trend	0.4190
CB6.1	MARGALEF	SAV1	BP	2.03	0.01	8.37	0.17	0.3479	No trend	0.7246
CB6.1	N_GENERA	SAV1	AP	30.00	0.25	14.17	4.25	0.0356	Improving	0.3914

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB6.1	N_GENERA	SAV1	BP	25.00	0.20	13.60	3.40	0.1174	No trend	0.6872
CB6.1	N_SP	SAV1	AP	39.00	0.25	10.90	4.25	0.1217	No trend	0.2524
CB6.1	N_SP	SAV1	BP	30.50	0.20	11.15	3.40	0.2451	No trend	0.8129
CB6.1	PROCAR_C	SAV1	AP	0.00	0.00		0.00	0.0037	No change	0.9466
CB6.1	PROCAR_C	SAV1	BP	0.00	0.00		0.00	0.0001	No change	0.9556
CB6.1	PROCARY	SAV1	AP	0.01	0.00	0.00	0.00	0.0006	No change	0.8916
CB6.1	PROCARY	SAV1	BP	0.02	0.00	0.00	0.00	0.0010	No change	0.8415
CB6.1	RATIO	SAV1	AP	73.90	0.32	7.36	5.44	0.6875	No trend	0.8005
CB6.1	RATIO	SAV1	BP	59.14	0.47	13.51	7.99	0.5026	No trend	0.7878
CB6.1	SHANNON	SAV1	AP	2.82	0.05	30.14	0.85	<0.0001	Improving	0.6403
CB6.1	SHANNON	SAV1	BP	2.83	0.05	30.04	0.85	<0.0001	Improving	0.6794
CB6.1	TOTABUND	SAV1	AP	3668313	1603	1	27252	0.9733	No trend	0.9385
CB6.1	TOTABUND	SAV1	BP	2311518	23530	17	400003	0.7123	No trend	0.6475
CB6.1	TOTBMASS	SAV1	AP	222913657	2094771	16	35611100	0.7629	No trend	0.0858
CB6.1	TOTBMASS	SAV1	BP	137362457	1627337	20	27664724	0.7123	No trend	0.7521
CB6.1	CHLORO	SAV2	AP	8294	2274	466	38657	0.0003	Improving	0.7308
CB6.1	CHLORO	SAV2	BP	4147	2384	977	40535	0.0003	Improving	0.9585
CB6.1	CHLORO_C	SAV2	AP	186615	54283	494	922808	0.0001	Improving	0.8433
CB6.1	CHLORO_C	SAV2	BP	93308	78016	1421	1326269	0.0001	Improving	0.9758
CB6.1	CRYPTO	SAV2	AP	1139205	-29554	-44	-502423	0.0779	No trend	0.7488
CB6.1	CRYPTO	SAV2	BP	804557	-10591	-22	-180043	0.2259	No trend	0.5655
CB6.1	CRYPTO_C	SAV2	AP	27352312	-680810	-42	-11573762	0.0889	No trend	0.7614
CB6.1	CRYPTO_C	SAV2	BP	19317414	-241291	-21	-4101948	0.2379	No trend	0.5294
CB6.1	CYANO	SAV2	AP	60939	15289	427	259913	<0.0001	Degrading	0.4818
CB6.1	CYANO	SAV2	BP	6383	2853	760	48507	<0.0001	Degrading	0.9259
CB6.1	CYANO_C	SAV2	AP	91409	64961	1208	1104335	<0.0001	Degrading	0.6701
CB6.1	CYANO_C	SAV2	BP	63038	29568	797	502653	<0.0001	Degrading	0.9930
CB6.1	DIATOM	SAV2	AP	2004289	59243	50	1007133	0.0594	No trend	0.9429
CB6.1	DIATOM	SAV2	BP	1680115	16365	17	278209	0.5098	No trend	0.9410
CB6.1	DIATOM_C	SAV2	AP	137647364	3421609	42	58167352	0.0948	No trend	0.6235
CB6.1	DIATOM_C	SAV2	BP	107748398	2168736	34	36868517	0.2379	No trend	0.7434
CB6.1	DINOFL_C	SAV2	AP	47096933	1462190	53	24857229	0.2632	No trend	0.1007
CB6.1	DINOFL_C	SAV2	BP	18880571	256931	23	4367830	0.5098	No trend	0.8168
CB6.1	DINOFLG	SAV2	AP	163721	3179	33	54049	0.2765	No trend	0.0751
CB6.1	DINOFLG	SAV2	BP	44301	29	1	485	0.9878	No trend	0.7596
CB6.1	EVENNESS	SAV2	AP	0.51	0.01	33.33	0.17	<0.0001	Improving	0.9952
CB6.1	EVENNESS	SAV2	BP	0.53	0.01	32.08	0.17	<0.0001	Improving	0.5686
CB6.1	MARGALEF	SAV2	AP	2.59	0.02	13.13	0.34	0.0833	No trend	0.9019
CB6.1	MARGALEF	SAV2	BP	2.30	0.00	0.00	0.00	0.9878	No trend	0.8991
CB6.1	N_GENERA	SAV2	AP	30.50	0.29	16.16	4.93	0.0097	Improving	0.9283
CB6.1	N_GENERA	SAV2	BP	29.00	0.09	5.28	1.53	0.3716	No trend	0.8591
CB6.1	N_SP	SAV2	AP	41.00	0.30	12.44	5.10	0.0392	Improving	0.7084
CB6.1	N_SP	SAV2	BP	37.00	0.00	0.00	0.00	0.8172	No trend	0.8845
CB6.1	PROCAR_C	SAV2	AP	0.00	0.00		0.00	<0.0001	No change	0.6028
CB6.1	PROCAR_C	SAV2	BP	0.00	0.00		0.00	<0.0001	No change	0.9830
CB6.1	PROCARY	SAV2	AP	0.02	0.00	0.00	0.00	<0.0001	No change	0.4969
CB6.1	PROCARY	SAV2	BP	0.00	0.00		0.00	<0.0001	No change	0.9339
CB6.1	RATIO	SAV2	AP	76.40	0.20	4.45	3.40	0.7709	No trend	0.7053
CB6.1	RATIO	SAV2	BP	59.23	0.36	10.33	6.12	0.4903	No trend	0.8841
CB6.1	SHANNON	SAV2	AP	2.69	0.06	37.92	1.02	<0.0001	Improving	0.9529
CB6.1	SHANNON	SAV2	BP	2.88	0.05	29.51	0.85	<0.0001	Improving	0.6605
CB6.1	TOTABUND	SAV2	AP	4620180	12585	5	213953	0.6567	No trend	0.9871
CB6.1	TOTABUND	SAV2	BP	3434560	-356	-0	-6056	0.9878	No trend	0.8510
CB6.1	TOTBMASS	SAV2	AP	363302662	4791764	22	81459985	0.3658	No trend	0.1309
CB6.1	TOTBMASS	SAV2	BP	178523263	584912	6	9943504	0.9146	No trend	0.8915
CB6.1	CHLORO	Spring1	AP	8423	139	26	2219	0.3752	No trend	0.9349
CB6.1	CHLORO	Spring1	BP	33242	582	28	9305	0.0831	No trend	0.5855
CB6.1	CHLORO_C	Spring1	AP	188088	11191	95	179057	0.2144	No trend	0.9171
CB6.1	CHLORO_C	Spring1	BP	747395	9791	21	156664	0.0878	No trend	0.5584
CB6.1	CRYPTO	Spring1	AP	503235	1207	4	19315	0.8799	No trend	0.8034

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB6.1	CRYPTO	Spring1	BP	1025487	11810	18	188956	0.7624	No trend	0.1459
CB6.1	CRYPTO_C	Spring1	AP	12082672	16602	2	265627	0.9197	No trend	0.7791
CB6.1	CRYPTO_C	Spring1	BP	24621943	271706	18	4347288	0.8011	No trend	0.1473
CB6.1	CYANO	Spring1	AP	135706	2700	32	43206	0.0843	No trend	0.8820
CB6.1	CYANO	Spring1	BP	165888	3002	29	48024	0.0352	Degrading	0.8600
CB6.1	CYANO_C	Spring1	AP	203558	23149	182	370389	0.1155	No trend	0.9850
CB6.1	CYANO_C	Spring1	BP	248832	34214	220	547428	0.0083	Degrading	0.9832
CB6.1	DIATOM	Spring1	AP	2789167	-12730	-7	-203672	0.7624	No trend	0.6918
CB6.1	DIATOM	Spring1	BP	6645458	-92528	-22	-1480444	0.5125	No trend	0.7913
CB6.1	DIATOM_C	Spring1	AP	263426303	976852	6	15629639	0.9197	No trend	0.8587
CB6.1	DIATOM_C	Spring1	BP	831165651	-12313442	-24	-197015072	0.3918	No trend	0.8862
CB6.1	DINOFL_C	Spring1	AP	13120129	3626955	442	58031283	0.0007	Degrading	0.5031
CB6.1	DINOFL_C	Spring1	BP	34308521	2041682	95	32666906	0.0556	No trend	0.1499
CB6.1	DINOFLG	Spring1	AP	151241	16506	175	264093	0.0021	Degrading	0.5919
CB6.1	DINOFLG	Spring1	BP	221313	3725	27	59606	0.2677	No trend	0.5403
CB6.1	EVENNESS	Spring1	AP	0.59	0.01	27.12	0.16	<0.0001	Improving	0.7274
CB6.1	EVENNESS	Spring1	BP	0.58	0.01	27.59	0.16	0.0021	Improving	0.4323
CB6.1	MARGALEF	Spring1	AP	2.48	0.02	12.90	0.32	0.1584	No trend	0.8594
CB6.1	MARGALEF	Spring1	BP	2.53	0.00	0.00	0.00	0.7624	No trend	0.9938
CB6.1	N_GENERA	Spring1	AP	31.50	0.31	15.75	4.96	0.0296	Improving	0.7399
CB6.1	N_GENERA	Spring1	BP	33.00	0.05	2.42	0.80	0.6302	No trend	0.9044
CB6.1	N_SP	Spring1	AP	40.00	0.24	9.60	3.84	0.2661	No trend	0.8113
CB6.1	N_SP	Spring1	BP	41.00	0.13	5.07	2.08	0.5433	No trend	0.8978
CB6.1	PROCAR_C	Spring1	AP	0.00	0.00		0.00	0.1155	No trend	0.9171
CB6.1	PROCAR_C	Spring1	BP	0.00	0.00		0.00	0.0038	No change	0.9160
CB6.1	PROCARY	Spring1	AP	0.05	0.00	0.00	0.00	0.0676	No trend	0.7961
CB6.1	PROCARY	Spring1	BP	0.02	0.00	0.00	0.00	0.0256	No change	0.7932
CB6.1	RATIO	Spring1	AP	82.20	0.25	4.87	4.00	0.8011	No trend	0.9816
CB6.1	RATIO	Spring1	BP	59.14	-1.01	-27.32	-16.16	0.5795	No trend	0.9324
CB6.1	SHANNON	Spring1	AP	2.96	0.07	37.84	1.12	<0.0001	Improving	0.7028
CB6.1	SHANNON	Spring1	BP	3.09	0.06	31.07	0.96	0.0048	Improving	0.5264
CB6.1	TOTABUND	Spring1	AP	6357023	-67087	-17	-1073399	0.6869	No trend	0.8240
CB6.1	TOTABUND	Spring1	BP	8879220	-103399	-19	-1654390	0.5795	No trend	0.4615
CB6.1	TOTBMASS	Spring1	AP	363302662	5091203	22	81459253	0.7624	No trend	0.7905
CB6.1	TOTBMASS	Spring1	BP	963477058	-16020256	-27	-256324096	0.3645	No trend	0.9393
CB6.1	CHLORO	Spring2	AP	4163	409	157	6545	0.0403	Improving	0.4532
CB6.1	CHLORO	Spring2	BP	4147	2807	1083	44909	0.0132	Improving	0.5627
CB6.1	CHLORO_C	Spring2	AP	94033	13451	229	215212	0.0211	Improving	0.5607
CB6.1	CHLORO_C	Spring2	BP	93308	93390	1601	1494235	0.0092	Improving	0.6740
CB6.1	CRYPTO	Spring2	AP	920480	-11565	-20	-185043	0.7624	No trend	0.5179
CB6.1	CRYPTO	Spring2	BP	1124017	-7259	-10	-116148	0.6869	No trend	0.2026
CB6.1	CRYPTO_C	Spring2	AP	22100713	-223741	-16	-3579862	0.8403	No trend	0.5894
CB6.1	CRYPTO_C	Spring2	BP	26987636	-148602	-9	-2377638	0.7243	No trend	0.1795
CB6.1	CYANO	Spring2	AP	135706	30013	354	480204	0.0022	Degrading	0.1026
CB6.1	CYANO	Spring2	BP	8295	2149	415	34384	0.0079	Degrading	0.6754
CB6.1	CYANO_C	Spring2	AP	203558	85954	676	1375270	0.0079	Degrading	0.2940
CB6.1	CYANO_C	Spring2	BP	194773	22683	186	362933	0.0033	Degrading	0.9535
CB6.1	DIATOM	Spring2	AP	2004289	70170	56	1122723	0.2901	No trend	0.5892
CB6.1	DIATOM	Spring2	BP	3196883	-10298	-5	-164769	0.8011	No trend	0.7834
CB6.1	DIATOM_C	Spring2	AP	206148641	904725	7	14475603	0.8403	No trend	0.9089
CB6.1	DIATOM_C	Spring2	BP	234177030	-2647061	-18	-42352979	0.7624	No trend	0.7857
CB6.1	DINOFL_C	Spring2	AP	27975898	2398284	137	38372537	0.0867	No trend	0.1162
CB6.1	DINOFL_C	Spring2	BP	72607523	440897	10	7054351	0.6503	No trend	0.5270
CB6.1	DINOFLG	Spring2	AP	355218	11054	50	176863	0.1069	No trend	0.0429
CB6.1	DINOFLG	Spring2	BP	236023	125	1	2005	0.9197	No trend	0.3949
CB6.1	EVENNESS	Spring2	AP	0.59	0.01	27.12	0.16	0.0003	Improving	1.0000
CB6.1	EVENNESS	Spring2	BP	0.58	0.01	27.59	0.16	0.0013	Improving	0.3859
CB6.1	MARGALEF	Spring2	AP	2.60	0.01	6.15	0.16	0.6869	No trend	0.5369
CB6.1	MARGALEF	Spring2	BP	2.59	0.01	6.18	0.16	0.6144	No trend	0.9352
CB6.1	N_GENERA	Spring2	AP	32.00	0.23	11.50	3.68	0.2059	No trend	0.4731

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB6.1	N_GENERA	Spring2	BP	33.00	0.05	2.42	0.80	0.5951	No trend	0.8861
CB6.1	N_SP	Spring2	AP	41.50	0.16	6.17	2.56	0.5609	No trend	0.4770
CB6.1	N_SP	Spring2	BP	41.00	0.17	6.63	2.72	0.3895	No trend	0.8861
CB6.1	PROCAR_C	Spring2	AP	0.00	0.00		0.00	0.0107	No change	0.2550
CB6.1	PROCAR_C	Spring2	BP	0.00	0.00		0.00	0.0012	No change	0.9983
CB6.1	PROCARY	Spring2	AP	0.05	0.00	0.00	0.00	0.0019	No change	0.1011
CB6.1	PROCARY	Spring2	BP	0.00	0.00		0.00	0.0039	No change	0.7347
CB6.1	RATIO	Spring2	AP	76.40	-0.37	-7.75	-5.92	0.6503	No trend	0.6446
CB6.1	RATIO	Spring2	BP	59.14	-0.62	-16.77	-9.92	0.6144	No trend	0.9181
CB6.1	SHANNON	Spring2	AP	2.87	0.07	39.02	1.12	0.0002	Improving	0.7849
CB6.1	SHANNON	Spring2	BP	3.09	0.06	31.07	0.96	0.0021	Improving	0.4446
CB6.1	TOTABUND	Spring2	AP	5638490	24782	7	396511	0.8011	No trend	0.8218
CB6.1	TOTABUND	Spring2	BP	5260348	-55242	-17	-883864	0.5795	No trend	0.4615
CB6.1	TOTBMASS	Spring2	AP	363302662	77593	0	1241487	1.0000	No trend	0.5635
CB6.1	TOTBMASS	Spring2	BP	310196727	-5215792	-27	-83452677	0.3385	No trend	0.9528
CB6.1	CHLORO	Summer1	AP	8294	1631	334	27728	0.0009	Improving	0.5374
CB6.1	CHLORO	Summer1	BP	4147	2703	1108	45946	0.0026	Improving	0.9341
CB6.1	CHLORO_C	Summer1	AP	186615	40172	366	682924	0.0007	Improving	0.6166
CB6.1	CHLORO_C	Summer1	BP	93308	103967	1894	1767440	0.0010	Improving	0.9745
CB6.1	CRYPTO	Summer1	AP	1300835	-44867	-59	-762731	0.0353	Decreasing	0.8354
CB6.1	CRYPTO	Summer1	BP	804557	-14131	-30	-240232	0.1956	No trend	0.7336
CB6.1	CRYPTO_C	Summer1	AP	31233048	-1068166	-58	-18158814	0.0425	Decreasing	0.8255
CB6.1	CRYPTO_C	Summer1	BP	19317414	-339293	-30	-5767973	0.1956	No trend	0.7336
CB6.1	CYANO	Summer1	AP	60939	20894	583	355200	<0.0001	Degrading	0.4615
CB6.1	CYANO	Summer1	BP	1152	2140	3158	36380	0.0001	Degrading	0.8264
CB6.1	CYANO_C	Summer1	AP	91409	82966	1543	1410420	<0.0001	Degrading	0.6605
CB6.1	CYANO_C	Summer1	BP	35286	22217	1070	377688	0.0001	Degrading	0.9150
CB6.1	DIATOM	Summer1	AP	1790728	74471	71	1266007	0.0388	Improving	0.9144
CB6.1	DIATOM	Summer1	BP	1195891	22628	32	384680	0.4748	No trend	0.9133
CB6.1	DIATOM_C	Summer1	AP	74010581	4326479	99	73550138	0.0466	Improving	0.4169
CB6.1	DIATOM_C	Summer1	BP	107031085	2303337	37	39156735	0.2237	No trend	0.8000
CB6.1	DINOFL_C	Summer1	AP	47096933	1785471	64	30353003	0.4748	No trend	0.7425
CB6.1	DINOFL_C	Summer1	BP	15019956	240570	27	4089698	0.4990	No trend	0.7405
CB6.1	DINOFLG	Summer1	AP	170406	1056	11	17952	0.7720	No trend	0.4130
CB6.1	DINOFLG	Summer1	BP	33235	-286	-15	-4862	0.8620	No trend	0.6300
CB6.1	EVENNESS	Summer1	AP	0.51	0.01	33.33	0.17	0.0002	Improving	0.9634
CB6.1	EVENNESS	Summer1	BP	0.53	0.01	32.08	0.17	0.0001	Improving	0.3756
CB6.1	MARGALEF	Summer1	AP	2.59	0.01	6.56	0.17	0.2881	No trend	0.6475
CB6.1	MARGALEF	Summer1	BP	2.30	0.00	0.00	0.00	0.8317	No trend	0.6665
CB6.1	N_GENERA	Summer1	AP	30.50	0.25	13.93	4.25	0.1076	No trend	0.8085
CB6.1	N_GENERA	Summer1	BP	29.00	0.13	7.62	2.21	0.2602	No trend	0.6150
CB6.1	N_SP	Summer1	AP	41.00	0.25	10.37	4.25	0.2864	No trend	0.5326
CB6.1	N_SP	Summer1	BP	37.00	0.00	0.00	0.00	0.8462	No trend	0.6691
CB6.1	PROCAR_C	Summer1	AP	0.00	0.00		0.00	0.0002	No change	0.4648
CB6.1	PROCAR_C	Summer1	BP	0.00	0.00		0.00	0.0003	No change	0.9310
CB6.1	PROCARY	Summer1	AP	0.02	0.00	0.00	0.00	<0.0001	No change	0.4854
CB6.1	PROCARY	Summer1	BP	0.00	0.00		0.00	0.0006	No change	0.7768
CB6.1	RATIO	Summer1	AP	76.40	0.32	7.12	5.44	0.6292	No trend	0.3419
CB6.1	RATIO	Summer1	BP	59.23	0.48	13.78	8.16	0.4284	No trend	0.8269
CB6.1	SHANNON	Summer1	AP	2.69	0.05	31.60	0.85	0.0024	Improving	0.9276
CB6.1	SHANNON	Summer1	BP	2.76	0.04	24.64	0.68	0.0001	Improving	0.4754
CB6.1	TOTABUND	Summer1	AP	4620180	14005	5	238079	0.6020	No trend	0.8890
CB6.1	TOTABUND	Summer1	BP	3434560	16850	8	286458	0.8317	No trend	0.9358
CB6.1	TOTBMASS	Summer1	AP	398293243	7083474	30	120419051	0.1369	No trend	0.1337
CB6.1	TOTBMASS	Summer1	BP	178523263	1256083	12	21353415	0.6569	No trend	0.7992
CB6.1	CHLORO	Summer2	AP	12442	2450	335	41652	0.0094	Improving	0.4044
CB6.1	CHLORO	Summer2	BP	4147	2077	851	35305	0.0160	Improving	0.8778
CB6.1	CHLORO_C	Summer2	AP	279934	62353	379	1060003	0.0072	Improving	0.4764
CB6.1	CHLORO_C	Summer2	BP	93308	83913	1529	1426513	0.0064	Improving	0.9254
CB6.1	CRYPTO	Summer2	AP	1152679	-42205	-62	-717485	0.0630	No trend	0.6527

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB6.1	CRYPTO	Summer2	BP	641618	-14866	-39	-252720	0.1970	No trend	0.5623
CB6.1	CRYPTO_C	Summer2	AP	27675817	-1013342	-62	-17226816	0.0630	No trend	0.6527
CB6.1	CRYPTO_C	Summer2	BP	15405248	-356929	-39	-6067797	0.1970	No trend	0.5623
CB6.1	CYANO	Summer2	AP	65711	12816	332	217868	0.0010	Degrading	0.6676
CB6.1	CYANO	Summer2	BP	608	3552	9932	60384	0.0011	Degrading	0.6493
CB6.1	CYANO_C	Summer2	AP	170880	61142	608	1039418	0.0005	Degrading	0.5549
CB6.1	CYANO_C	Summer2	BP	22121	32710	2514	556066	0.0007	Degrading	0.7722
CB6.1	DIATOM	Summer2	AP	1760502	59932	58	1018851	0.1104	No trend	0.8402
CB6.1	DIATOM	Summer2	BP	1838380	23909	22	406460	0.4440	No trend	0.8071
CB6.1	DIATOM_C	Summer2	AP	70559434	5560634	134	94530777	0.0193	Improving	0.5720
CB6.1	DIATOM_C	Summer2	BP	120429291	2517448	36	42796616	0.2126	No trend	0.6577
CB6.1	DINOFL_C	Summer2	AP	44523139	3829979	146	65109645	0.3040	No trend	0.7843
CB6.1	DINOFL_C	Summer2	BP	9724367	288773	50	4909149	0.4440	No trend	0.5753
CB6.1	DINOFLG	Summer2	AP	129780	3179	42	54049	0.4184	No trend	0.4843
CB6.1	DINOFLG	Summer2	BP	24071	143	10	2434	0.8783	No trend	0.5188
CB6.1	EVENNESS	Summer2	AP	0.50	0.01	34.00	0.17	0.0018	Improving	0.8899
CB6.1	EVENNESS	Summer2	BP	0.49	0.01	34.69	0.17	0.0024	Improving	0.2461
CB6.1	MARGALEF	Summer2	AP	2.57	0.03	19.84	0.51	0.1313	No trend	0.9606
CB6.1	MARGALEF	Summer2	BP	2.22	0.00	0.00	0.00	0.9477	No trend	0.5258
CB6.1	N_GENERA	Summer2	AP	30.25	0.32	17.98	5.44	0.0653	No trend	0.9736
CB6.1	N_GENERA	Summer2	BP	27.50	0.13	8.04	2.21	0.3334	No trend	0.4067
CB6.1	N_SP	Summer2	AP	40.75	0.33	13.77	5.61	0.1357	No trend	0.6942
CB6.1	N_SP	Summer2	BP	34.50	0.00	0.00	0.00	0.8951	No trend	0.5626
CB6.1	PROCAR_C	Summer2	AP	0.00	0.00		0.00	0.0052	No change	0.4571
CB6.1	PROCAR_C	Summer2	BP	0.00	0.00		0.00	0.0022	No change	0.8080
CB6.1	PROCARY	Summer2	AP	0.02	0.00	0.00	0.00	0.0009	No change	0.6919
CB6.1	PROCARY	Summer2	BP	0.00	0.00		0.00	0.0051	No change	0.6289
CB6.1	RATIO	Summer2	AP	83.74	1.38	28.02	23.46	0.2839	No trend	0.4956
CB6.1	RATIO	Summer2	BP	62.31	0.57	15.55	9.69	0.3470	No trend	0.7406
CB6.1	SHANNON	Summer2	AP	2.54	0.05	33.46	0.85	0.0135	Improving	0.8402
CB6.1	SHANNON	Summer2	BP	2.57	0.03	19.84	0.51	0.0018	Improving	0.3149
CB6.1	TOTABUND	Summer2	AP	3894645	11454	5	194712	0.7429	No trend	0.7549
CB6.1	TOTABUND	Summer2	BP	2982979	16850	10	286458	0.8783	No trend	0.8118
CB6.1	TOTBMASS	Summer2	AP	282085256	12192790	73	207277427	0.0339	Increasing	0.2957
CB6.1	TOTBMASS	Summer2	BP	204783624	2501028	21	42517476	0.4705	No trend	0.7813
CB6.1	CHLORO	Winter	AP	29030	107	6	1707	0.2916	No trend	0.4815
CB6.1	CHLORO	Winter	BP	58061	0	0	0	0.7963	No trend	0.7144
CB6.1	CHLORO_C	Winter	AP	653175	6009	15	96146	0.3379	No trend	0.3566
CB6.1	CHLORO_C	Winter	BP	1306373	0	0	0	0.7470	No trend	0.4131
CB6.1	CRYPTO	Winter	AP	953856	1013	2	16213	0.9747	No trend	0.0589
CB6.1	CRYPTO	Winter	BP	1426638	2511	3	40179	0.8246	No trend	0.3632
CB6.1	CRYPTO_C	Winter	AP	22902071	24330	2	389282	0.9747	No trend	0.0589
CB6.1	CRYPTO_C	Winter	BP	34253578	60294	3	964696	0.8246	No trend	0.3632
CB6.1	CYANO	Winter	AP	0	1037		16590	0.2909	No trend	0.7533
CB6.1	CYANO	Winter	BP	0	688		11008	0.0308	Degrading	0.5866
CB6.1	CYANO_C	Winter	AP	0	8840		141435	0.2364	No trend	0.8268
CB6.1	CYANO_C	Winter	BP	0	6301		100818	0.0222	Degrading	0.7373
CB6.1	DIATOM	Winter	AP	6855028	-95116	-22	-1521856	0.6349	No trend	0.5137
CB6.1	DIATOM	Winter	BP	13392717	-287621	-34	-4601932	0.0461	Degrading	0.1180
CB6.1	DIATOM_C	Winter	AP	402565171	-6028248	-24	-96451971	0.5061	No trend	0.1484
CB6.1	DIATOM_C	Winter	BP	674142062	-19749648	-47	-315994368	0.0816	No trend	0.4422
CB6.1	DINOFL_C	Winter	AP	15536434	363812	37	5820988	0.5475	No trend	0.8793
CB6.1	DINOFL_C	Winter	BP	20050190	1806433	144	28902925	0.1542	No trend	0.3506
CB6.1	DINOFLG	Winter	AP	217478	-538	-4	-8602	0.9243	No trend	0.8156
CB6.1	DINOFLG	Winter	BP	368186	971	4	15528	0.6806	No trend	0.9537
CB6.1	EVENNESS	Winter	AP	0.47	0.00	0.00	0.00	0.2169	No trend	0.3271
CB6.1	EVENNESS	Winter	BP	0.43	0.01	37.21	0.16	0.0396	Improving	0.1024
CB6.1	MARGALEF	Winter	AP	2.27	0.02	14.10	0.32	0.2169	No trend	0.7348
CB6.1	MARGALEF	Winter	BP	2.19	-0.03	-21.92	-0.48	0.1367	No trend	0.9158
CB6.1	N_GENERA	Winter	AP	29.00	0.29	16.00	4.64	0.0854	No trend	0.9199

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB6.1	N_GENERA	Winter	BP	28.00	-0.30	-17.14	-4.80	0.1271	No trend	0.6894
CB6.1	N_SP	Winter	AP	37.00	0.17	7.35	2.72	0.3724	No trend	0.5934
CB6.1	N_SP	Winter	BP	37.00	-0.50	-21.62	-8.00	0.0562	No trend	0.9669
CB6.1	PROCAR_C	Winter	AP	0.00	0.00		0.00	0.1593	No trend	0.7555
CB6.1	PROCAR_C	Winter	BP	0.00	0.00		0.00	0.0263	No change	0.6841
CB6.1	PROCARY	Winter	AP	0.00	0.00		0.00	0.2242	No trend	0.5990
CB6.1	PROCARY	Winter	BP	0.00	0.00		0.00	0.0263	No change	0.5910
CB6.1	RATIO	Winter	AP	64.29	-1.09	-27.13	-17.44	0.3585	No trend	0.0204
CB6.1	RATIO	Winter	BP	65.74	1.32	32.13	21.12	0.5061	No trend	0.0319
CB6.1	SHANNON	Winter	AP	2.43	0.02	13.17	0.32	0.1943	No trend	0.5059
CB6.1	SHANNON	Winter	BP	2.22	0.03	21.62	0.48	0.1943	No trend	0.0908
CB6.1	TOTABUND	Winter	AP	8483858	-173630	-33	-2778082	0.5475	No trend	0.4277
CB6.1	TOTABUND	Winter	BP	15744219	-330957	-34	-5295317	0.0461	Decreasing	0.1913
CB6.1	TOTBMASS	Winter	AP	454138573	-13999894	-49	-223998304	0.2678	No trend	0.8525
CB6.1	TOTBMASS	Winter	BP	745890698	-18946507	-41	-303144112	0.1943	No trend	0.3823
CB6.4	CHLORO	Annual	AP	3661	80	37	1360	0.0003	Improving	0.8467
CB6.4	CHLORO	Annual	BP	6480	1370	359	23283	<0.0001	Improving	0.9487
CB6.4	CHLORO_C	Annual	AP	82373	14993	309	254879	0.0001	Improving	0.8532
CB6.4	CHLORO_C	Annual	BP	145800	43961	513	747338	<0.0001	Improving	0.9265
CB6.4	CRYPTO	Annual	AP	1022716	-11906	-20	-202396	0.2876	No trend	0.0093
CB6.4	CRYPTO	Annual	BP	325734	12145	63	206469	0.0306	Increasing	0.2856
CB6.4	CRYPTO_C	Annual	AP	24555399	-281402	-19	-4783827	0.2983	No trend	0.0088
CB6.4	CRYPTO_C	Annual	BP	7820873	291607	63	4957311	0.0256	Increasing	0.3105
CB6.4	CYANO	Annual	AP	0	2718		46199	<0.0001	Degrading	0.7793
CB6.4	CYANO	Annual	BP	0	2306		39205	<0.0001	Degrading	0.9704
CB6.4	CYANO_C	Annual	AP	0	17751		301773	<0.0001	Degrading	0.8352
CB6.4	CYANO_C	Annual	BP	0	18555		315435	<0.0001	Degrading	0.9676
CB6.4	DIATOM	Annual	AP	1354715	49044	62	833748	0.0510	No trend	0.5258
CB6.4	DIATOM	Annual	BP	1461465	66398	77	1128770	0.0020	Improving	0.2241
CB6.4	DIATOM_C	Annual	AP	108872943	2920300	46	49645098	0.1643	No trend	0.7102
CB6.4	DIATOM_C	Annual	BP	105473911	6014808	97	102251729	0.0023	Improving	0.6197
CB6.4	DINOFL_C	Annual	AP	33353311	2834816	144	48191865	0.0002	Degrading	0.4448
CB6.4	DINOFL_C	Annual	BP	12338398	920847	127	15654397	0.0052	Degrading	0.7580
CB6.4	DINOFLG	Annual	AP	111338	4479	68	76150	0.0098	Degrading	0.1181
CB6.4	DINOFLG	Annual	BP	64615	1795	47	30517	0.0420	Degrading	0.9594
CB6.4	EVENNESS	Annual	AP	0.49	0.01	34.69	0.17	<0.0001	Improving	0.3346
CB6.4	EVENNESS	Annual	BP	0.53	0.01	32.08	0.17	<0.0001	Improving	0.7513
CB6.4	MARGALEF	Annual	AP	2.23	0.00	0.00	0.00	0.8425	No trend	0.1748
CB6.4	MARGALEF	Annual	BP	2.46	0.00	0.00	0.00	0.8243	No trend	0.3637
CB6.4	N_GENERA	Annual	AP	28.00	0.10	6.07	1.70	0.2751	No trend	0.2551
CB6.4	N_GENERA	Annual	BP	31.25	0.13	7.07	2.21	0.1805	No trend	0.3860
CB6.4	N_SP	Annual	AP	33.00	0.00	0.00	0.00	0.6306	No trend	0.2370
CB6.4	N_SP	Annual	BP	37.00	0.08	3.68	1.36	0.3127	No trend	0.5582
CB6.4	PROCAR_C	Annual	AP	0.00	0.00		0.00	<0.0001	No change	0.7250
CB6.4	PROCAR_C	Annual	BP	0.00	0.00		0.00	<0.0001	No change	0.8989
CB6.4	PROCARY	Annual	AP	0.00	0.00		0.00	<0.0001	No change	0.6780
CB6.4	PROCARY	Annual	BP	0.00	0.00		0.00	<0.0001	No change	0.8243
CB6.4	RATIO	Annual	AP	57.61	0.46	13.57	7.82	0.3808	No trend	0.2090
CB6.4	RATIO	Annual	BP	55.80	1.07	32.60	18.19	0.0432	Improving	0.5562
CB6.4	SHANNON	Annual	AP	2.43	0.05	34.98	0.85	<0.0001	Improving	0.5838
CB6.4	SHANNON	Annual	BP	2.68	0.05	31.72	0.85	<0.0001	Improving	0.6585
CB6.4	TOTABUND	Annual	AP	3133871	33066	18	562120	0.4616	No trend	0.9758
CB6.4	TOTABUND	Annual	BP	2418072	93457	66	1588763	0.0092	Increasing	0.1400
CB6.4	TOTBMASS	Annual	AP	212739739	5481141	44	93179402	0.1506	No trend	0.6105
CB6.4	TOTBMASS	Annual	BP	181327561	8305763	78	141197967	0.0020	Increasing	0.7845
CB6.4	CHLORO	Fall	AP	2330	0	0	0	0.1699	No trend	0.0604
CB6.4	CHLORO	Fall	BP	5184	301	99	5122	0.0066	Improving	0.5307
CB6.4	CHLORO_C	Fall	AP	50763	0	0	0	0.1286	No trend	0.0846
CB6.4	CHLORO_C	Fall	BP	116640	6005	88	102090	0.0147	Improving	0.4248
CB6.4	CRYPTO	Fall	AP	1259589	-31434	-42	-534384	0.0189	Decreasing	0.8579

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB6.4	CRYPTO	Fall	BP	250329	21192	144	360272	0.0478	Increasing	0.7527
CB6.4	CRYPTO_C	Fall	AP	30242732	-754738	-42	-12830554	0.0189	Decreasing	0.8579
CB6.4	CRYPTO_C	Fall	BP	6010405	508832	144	8650136	0.0478	Increasing	0.7527
CB6.4	CYANO	Fall	AP	0	64		1088	0.0008	Degrading	0.6043
CB6.4	CYANO	Fall	BP	0	16		272	0.0007	Degrading	0.3983
CB6.4	CYANO_C	Fall	AP	0	980		16663	0.0012	Degrading	0.8084
CB6.4	CYANO_C	Fall	BP	0	61		1034	0.0017	Degrading	0.4716
CB6.4	DIATOM	Fall	AP	677588	122998	309	2090970	0.0032	Improving	0.3890
CB6.4	DIATOM	Fall	BP	547001	133022	413	2261376	0.0001	Improving	0.8661
CB6.4	DIATOM_C	Fall	AP	49376385	4790712	165	81442098	0.0532	No trend	0.1309
CB6.4	DIATOM_C	Fall	BP	34668966	7821049	384	132957834	0.0015	Improving	0.8781
CB6.4	DINOFL_C	Fall	AP	31861194	661195	35	11240312	0.5806	No trend	0.1126
CB6.4	DINOFL_C	Fall	BP	3861603	210756	93	3582856	0.3572	No trend	0.4354
CB6.4	DINOFLG	Fall	AP	96854	-1129	-20	-19193	0.7473	No trend	0.8100
CB6.4	DINOFLG	Fall	BP	19957	901	77	15324	0.3002	No trend	0.3796
CB6.4	EVENNESS	Fall	AP	0.44	0.01	38.64	0.17	0.0032	Improving	0.3320
CB6.4	EVENNESS	Fall	BP	0.47	0.01	36.17	0.17	0.0147	Improving	0.3519
CB6.4	MARGALEF	Fall	AP	2.23	-0.02	-15.25	-0.34	0.1535	No trend	0.1936
CB6.4	MARGALEF	Fall	BP	2.49	-0.02	-13.65	-0.34	0.1819	No trend	0.1918
CB6.4	N_GENERA	Fall	AP	28.75	-0.23	-13.60	-3.91	0.3092	No trend	0.6146
CB6.4	N_GENERA	Fall	BP	31.50	-0.14	-7.56	-2.38	0.5020	No trend	0.2225
CB6.4	N_SP	Fall	AP	33.00	-0.28	-14.42	-4.76	0.2671	No trend	0.2948
CB6.4	N_SP	Fall	BP	37.00	-0.17	-7.81	-2.89	0.5636	No trend	0.1983
CB6.4	PROCAR_C	Fall	AP	0.00	0.00		0.00	0.0002	No change	0.9196
CB6.4	PROCAR_C	Fall	BP	0.00	0.00		0.00	0.0021	No change	0.3181
CB6.4	PROCARY	Fall	AP	0.00	0.00		0.00	0.0003	No change	0.7090
CB6.4	PROCARY	Fall	BP	0.00	0.00		0.00	0.0005	No change	0.2479
CB6.4	RATIO	Fall	AP	42.45	-0.40	-16.02	-6.80	0.8179	No trend	0.1308
CB6.4	RATIO	Fall	BP	39.49	0.51	21.95	8.67	0.4614	No trend	0.2766
CB6.4	SHANNON	Fall	AP	2.17	0.05	39.17	0.85	0.0066	Improving	0.2679
CB6.4	SHANNON	Fall	BP	2.31	0.04	29.44	0.68	0.0147	Improving	0.3310
CB6.4	TOTABUND	Fall	AP	2533642	44869	30	762775	0.4898	No trend	0.4695
CB6.4	TOTABUND	Fall	BP	1609078	129747	137	2205701	0.0002	Increasing	0.9643
CB6.4	TOTBMASS	Fall	AP	164330879	1173203	12	19944444	0.8902	No trend	0.0987
CB6.4	TOTBMASS	Fall	BP	76780916	8617435	191	146496393	0.0076	Increasing	0.7891
CB6.4	CHLORO	SAV1	AP	4147	269	110	4570	0.0456	Improving	0.7349
CB6.4	CHLORO	SAV1	BP	0	1963		33375	0.0008	Improving	0.7510
CB6.4	CHLORO_C	SAV1	AP	93308	34175	623	580974	0.0112	Improving	0.6173
CB6.4	CHLORO_C	SAV1	BP	0	54198		921364	0.0002	Improving	0.6462
CB6.4	CRYPTO	SAV1	AP	862095	-10708	-21	-182034	0.3200	No trend	0.2143
CB6.4	CRYPTO	SAV1	BP	223007	18549	141	315335	0.0301	Increasing	0.1804
CB6.4	CRYPTO_C	SAV1	AP	20698901	-256383	-21	-4358507	0.3361	No trend	0.1999
CB6.4	CRYPTO_C	SAV1	BP	5354386	445365	141	7571201	0.0255	Increasing	0.2006
CB6.4	CYANO	SAV1	AP	0	1533		26054	0.0007	Degrading	0.4653
CB6.4	CYANO	SAV1	BP	0	3576		60797	<0.0001	Degrading	0.7418
CB6.4	CYANO_C	SAV1	AP	0	9015		153256	0.0003	Degrading	0.4049
CB6.4	CYANO_C	SAV1	BP	0	26022		442381	<0.0001	Degrading	0.7511
CB6.4	DIATOM	SAV1	AP	1221120	74883	104	1273005	0.0215	Improving	0.4354
CB6.4	DIATOM	SAV1	BP	1123013	82536	125	1403118	0.0023	Improving	0.3788
CB6.4	DIATOM_C	SAV1	AP	138358833	3352335	41	56989699	0.2094	No trend	0.3975
CB6.4	DIATOM_C	SAV1	BP	49718266	6292122	215	106966074	0.0166	Improving	0.5473
CB6.4	DINOFL_C	SAV1	AP	20346504	2161034	181	36737582	0.0181	Degrading	0.1558
CB6.4	DINOFL_C	SAV1	BP	6251801	254722	69	4330281	0.3699	No trend	0.9896
CB6.4	DINOFLG	SAV1	AP	99237	4824	83	82000	0.0235	Degrading	0.2424
CB6.4	DINOFLG	SAV1	BP	22237	1243	95	21138	0.3200	No trend	0.7357
CB6.4	EVENNESS	SAV1	AP	0.48	0.01	35.42	0.17	<0.0001	Improving	0.6252
CB6.4	EVENNESS	SAV1	BP	0.53	0.01	32.08	0.17	<0.0001	Improving	0.4684
CB6.4	MARGALEF	SAV1	AP	2.23	0.00	0.00	0.00	0.7077	No trend	0.2761
CB6.4	MARGALEF	SAV1	BP	2.27	0.00	0.00	0.00	0.5683	No trend	0.9182
CB6.4	N_GENERA	SAV1	AP	27.00	0.08	5.04	1.36	0.4517	No trend	0.3664

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB6.4	N_GENERA	SAV1	BP	29.00	0.00	0.00	0.00	0.6825	No trend	0.8751
CB6.4	N_SP	SAV1	AP	32.50	0.00	0.00	0.00	0.9478	No trend	0.3713
CB6.4	N_SP	SAV1	BP	37.00	0.00	0.00	0.00	0.8829	No trend	0.9702
CB6.4	PROCAR_C	SAV1	AP	0.00	0.00		0.00	0.0002	No change	0.3288
CB6.4	PROCAR_C	SAV1	BP	0.00	0.00		0.00	<0.0001	No change	0.6768
CB6.4	PROCARY	SAV1	AP	0.00	0.00		0.00	0.0003	No change	0.2926
CB6.4	PROCARY	SAV1	BP	0.00	0.00		0.00	<0.0001	No change	0.6263
CB6.4	RATIO	SAV1	AP	65.49	-0.63	-16.35	-10.71	0.5249	No trend	0.4361
CB6.4	RATIO	SAV1	BP	58.77	0.16	4.63	2.72	0.7321	No trend	0.8504
CB6.4	SHANNON	SAV1	AP	2.37	0.05	35.86	0.85	<0.0001	Improving	0.7541
CB6.4	SHANNON	SAV1	BP	2.66	0.04	25.56	0.68	<0.0001	Improving	0.2299
CB6.4	TOTABUND	SAV1	AP	2982607	71273	41	1211646	0.1760	No trend	0.9596
CB6.4	TOTABUND	SAV1	BP	2105625	111256	90	1891347	0.0087	Increasing	0.2449
CB6.4	TOTBMASS	SAV1	AP	213579962	2207089	18	37520521	0.6598	No trend	0.3796
CB6.4	TOTBMASS	SAV1	BP	97022741	7312634	128	124314774	0.0327	Increasing	0.9386
CB6.4	CHLORO	SAV2	AP	4147	1279	524	21745	0.0152	Improving	0.9940
CB6.4	CHLORO	SAV2	BP	16589	2738	281	46551	0.0002	Improving	0.8650
CB6.4	CHLORO_C	SAV2	AP	93308	64740	1180	1100573	0.0035	Improving	0.9877
CB6.4	CHLORO_C	SAV2	BP	373253	90790	414	1543432	<0.0001	Improving	0.8498
CB6.4	CRYPTO	SAV2	AP	1183336	-19593	-28	-333082	0.0878	No trend	0.1402
CB6.4	CRYPTO	SAV2	BP	324426	7299	38	124090	0.2678	No trend	0.1270
CB6.4	CRYPTO_C	SAV2	AP	28411897	-470430	-28	-7997307	0.0878	No trend	0.1402
CB6.4	CRYPTO_C	SAV2	BP	7789456	186489	41	3170310	0.2310	No trend	0.1390
CB6.4	CYANO	SAV2	AP	26387	5708	368	97030	0.0003	Degrading	0.6084
CB6.4	CYANO	SAV2	BP	0	4960		84327	<0.0001	Degrading	0.9762
CB6.4	CYANO_C	SAV2	AP	39581	20400	876	346796	0.0001	Degrading	0.5758
CB6.4	CYANO_C	SAV2	BP	0	29144		495451	<0.0001	Degrading	0.9889
CB6.4	DIATOM	SAV2	AP	1466781	26542	31	451222	0.3690	No trend	0.9151
CB6.4	DIATOM	SAV2	BP	1592247	62693	67	1065777	0.0153	Improving	0.7198
CB6.4	DIATOM_C	SAV2	AP	138358833	1456613	18	24762421	0.6533	No trend	0.9759
CB6.4	DIATOM_C	SAV2	BP	118288629	6742963	97	114630364	0.0092	Improving	0.7926
CB6.4	DINOFL_C	SAV2	AP	36895137	4141108	191	70398841	0.0033	Degrading	0.1912
CB6.4	DINOFL_C	SAV2	BP	12019049	607307	86	10324222	0.1593	No trend	0.9618
CB6.4	DINOFLG	SAV2	AP	112549	8293	125	140973	0.0012	Degrading	0.1062
CB6.4	DINOFLG	SAV2	BP	67348	2127	54	36167	0.0878	No trend	0.9032
CB6.4	EVENNESS	SAV2	AP	0.51	0.01	33.33	0.17	<0.0001	Improving	0.7787
CB6.4	EVENNESS	SAV2	BP	0.53	0.01	32.08	0.17	<0.0001	Improving	0.6130
CB6.4	MARGALEF	SAV2	AP	2.30	0.00	0.00	0.00	0.6107	No trend	0.0420
CB6.4	MARGALEF	SAV2	BP	2.46	0.00	0.00	0.00	0.7875	No trend	0.7799
CB6.4	N_GENERA	SAV2	AP	27.50	0.22	13.60	3.74	0.0813	No trend	0.1148
CB6.4	N_GENERA	SAV2	BP	31.50	0.10	5.40	1.70	0.3997	No trend	0.5584
CB6.4	N_SP	SAV2	AP	35.00	0.13	6.31	2.21	0.4003	No trend	0.0624
CB6.4	N_SP	SAV2	BP	38.50	0.04	1.77	0.68	0.6093	No trend	0.8375
CB6.4	PROCAR_C	SAV2	AP	0.00	0.00		0.00	0.0006	No change	0.5941
CB6.4	PROCAR_C	SAV2	BP	0.00	0.00		0.00	<0.0001	No change	0.9474
CB6.4	PROCARY	SAV2	AP	0.02	0.00	0.00	0.00	0.0002	No change	0.4787
CB6.4	PROCARY	SAV2	BP	0.00	0.00		0.00	<0.0001	No change	0.8992
CB6.4	RATIO	SAV2	AP	59.37	1.31	37.51	22.27	0.1506	No trend	0.3845
CB6.4	RATIO	SAV2	BP	59.84	0.59	16.76	10.03	0.3851	No trend	0.7888
CB6.4	SHANNON	SAV2	AP	2.61	0.06	39.08	1.02	<0.0001	Improving	0.8357
CB6.4	SHANNON	SAV2	BP	2.80	0.04	24.29	0.68	0.0001	Improving	0.6100
CB6.4	TOTABUND	SAV2	AP	2982607	34697	20	589845	0.5294	No trend	0.9727
CB6.4	TOTABUND	SAV2	BP	2513786	116419	79	1979121	0.0166	Increasing	0.5829
CB6.4	TOTBMASS	SAV2	AP	213579962	6229524	50	105901900	0.2551	No trend	0.3686
CB6.4	TOTBMASS	SAV2	BP	187854586	10619683	96	180534606	0.0119	Increasing	0.8937
CB6.4	CHLORO	Spring1	AP	0	3894		62309	0.0189	Improving	0.9040
CB6.4	CHLORO	Spring1	BP	0	2553		40847	0.0724	No trend	0.8119
CB6.4	CHLORO_C	Spring1	AP	0	129865		2077832	0.0033	Improving	0.9623
CB6.4	CHLORO_C	Spring1	BP	0	70788		1132601	0.0194	Improving	0.8106
CB6.4	CRYPTO	Spring1	AP	652799	10370	25	165925	0.3786	No trend	0.2684

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB6.4	CRYPTO	Spring1	BP	327043	12972	63	207551	0.5249	No trend	0.0717
CB6.4	CRYPTO_C	Spring1	AP	15673704	259609	27	4153744	0.3527	No trend	0.2601
CB6.4	CRYPTO_C	Spring1	BP	7852290	311456	63	4983303	0.4631	No trend	0.0770
CB6.4	CYANO	Spring1	AP	65220	3653	90	58445	0.1054	No trend	0.2279
CB6.4	CYANO	Spring1	BP	0	4854		77671	0.0005	Degrading	0.6825
CB6.4	CYANO_C	Spring1	AP	97830	17221	282	275539	0.0551	No trend	0.1437
CB6.4	CYANO_C	Spring1	BP	0	30067		481075	0.0005	Degrading	0.8589
CB6.4	DIATOM	Spring1	AP	2051916	28602	22	457628	0.6248	No trend	0.8933
CB6.4	DIATOM	Spring1	BP	5377832	23987	7	383785	0.5572	No trend	0.9218
CB6.4	DIATOM_C	Spring1	AP	206073781	2930278	23	46884442	0.8068	No trend	0.8216
CB6.4	DIATOM_C	Spring1	BP	453174315	4067545	14	65080712	0.7321	No trend	0.9918
CB6.4	DINOFL_C	Spring1	AP	12617634	4731099	600	75697582	0.0010	Degrading	0.9471
CB6.4	DINOFL_C	Spring1	BP	17996644	800721	71	12811538	0.4057	No trend	0.8991
CB6.4	DINOFLG	Spring1	AP	108448	13026	192	208409	0.0024	Degrading	0.6116
CB6.4	DINOFLG	Spring1	BP	140646	5520	63	88323	0.3044	No trend	0.5172
CB6.4	EVENNESS	Spring1	AP	0.48	0.01	33.33	0.16	<0.0001	Improving	0.9189
CB6.4	EVENNESS	Spring1	BP	0.56	0.01	28.57	0.16	<0.0001	Improving	0.8379
CB6.4	MARGALEF	Spring1	AP	2.17	0.01	7.37	0.16	0.6248	No trend	0.8976
CB6.4	MARGALEF	Spring1	BP	2.75	0.00	0.00	0.00	0.8449	No trend	0.8728
CB6.4	N_GENERA	Spring1	AP	26.50	0.17	10.26	2.72	0.2199	No trend	0.9430
CB6.4	N_GENERA	Spring1	BP	31.50	0.15	7.62	2.40	0.4324	No trend	0.8293
CB6.4	N_SP	Spring1	AP	32.50	0.07	3.45	1.12	0.4310	No trend	0.8589
CB6.4	N_SP	Spring1	BP	41.50	0.00	0.00	0.00	0.9216	No trend	0.9199
CB6.4	PROCAR_C	Spring1	AP	0.00	0.00		0.00	0.0857	No trend	0.1355
CB6.4	PROCAR_C	Spring1	BP	0.00	0.00		0.00	0.0016	No change	0.9561
CB6.4	PROCARY	Spring1	AP	0.04	0.00	0.00	0.00	0.1166	No trend	0.1340
CB6.4	PROCARY	Spring1	BP	0.00	0.00		0.00	0.0005	No change	0.7176
CB6.4	RATIO	Spring1	AP	82.14	-0.30	-5.84	-4.80	0.7321	No trend	0.2605
CB6.4	RATIO	Spring1	BP	78.52	1.24	25.27	19.84	0.4935	No trend	0.7010
CB6.4	SHANNON	Spring1	AP	2.38	0.07	47.06	1.12	<0.0001	Improving	0.8843
CB6.4	SHANNON	Spring1	BP	2.86	0.07	39.16	1.12	<0.0001	Improving	0.8165
CB6.4	TOTABUND	Spring1	AP	3607570	85478	38	1367656	0.3280	No trend	0.9447
CB6.4	TOTABUND	Spring1	BP	7457180	-763	-0	-12208	0.9610	No trend	0.9821
CB6.4	TOTBMASS	Spring1	AP	234790715	9604686	65	153674980	0.3527	No trend	0.6351
CB6.4	TOTBMASS	Spring1	BP	565397529	9286582	26	148585318	0.4631	No trend	0.9767
CB6.4	CHLORO	Spring2	AP	4147	4910	1894	78562	0.0408	Improving	0.9775
CB6.4	CHLORO	Spring2	BP	0	2249		35983	0.0599	No trend	0.8589
CB6.4	CHLORO_C	Spring2	AP	93308	125621	2154	2009928	0.0219	Improving	0.8279
CB6.4	CHLORO_C	Spring2	BP	0	64779		1036457	0.0153	Improving	0.8674
CB6.4	CRYPTO	Spring2	AP	652799	2764	7	44224	0.7692	No trend	0.2746
CB6.4	CRYPTO	Spring2	BP	955317	-24694	-41	-395099	0.2214	No trend	0.7971
CB6.4	CRYPTO_C	Spring2	AP	15673704	66364	7	1061821	0.7692	No trend	0.2746
CB6.4	CRYPTO_C	Spring2	BP	22937149	-541105	-38	-8657675	0.2606	No trend	0.7215
CB6.4	CYANO	Spring2	AP	174479	6173	57	98762	0.1001	No trend	0.2171
CB6.4	CYANO	Spring2	BP	80	5105	102102	81682	<0.0001	Degrading	0.8860
CB6.4	CYANO_C	Spring2	AP	308740	19771	102	316341	0.1054	No trend	0.2298
CB6.4	CYANO_C	Spring2	BP	2450	30056	19625	480895	0.0001	Degrading	0.9927
CB6.4	DIATOM	Spring2	AP	1732015	-11256	-10	-180096	0.7692	No trend	0.7354
CB6.4	DIATOM	Spring2	BP	2064321	2056	2	32893	0.8068	No trend	0.9073
CB6.4	DIATOM_C	Spring2	AP	150661115	1668536	18	26696581	0.8833	No trend	0.7620
CB6.4	DIATOM_C	Spring2	BP	174056795	2257269	21	36116304	0.6598	No trend	0.9744
CB6.4	DINOFL_C	Spring2	AP	15733980	6723951	684	107583220	0.0021	Degrading	0.9413
CB6.4	DINOFL_C	Spring2	BP	17996644	1320514	117	21128218	0.1561	No trend	0.6888
CB6.4	DINOFLG	Spring2	AP	112549	20548	292	328766	0.0009	Degrading	0.7891
CB6.4	DINOFLG	Spring2	BP	172708	6256	58	100099	0.2819	No trend	0.5018
CB6.4	EVENNESS	Spring2	AP	0.51	0.01	31.37	0.16	<0.0001	Improving	0.9875
CB6.4	EVENNESS	Spring2	BP	0.53	0.01	30.19	0.16	<0.0001	Improving	0.7706
CB6.4	MARGALEF	Spring2	AP	2.30	0.00	0.00	0.00	0.9610	No trend	0.5670
CB6.4	MARGALEF	Spring2	BP	2.75	0.00	0.00	0.00	0.5572	No trend	0.9142
CB6.4	N_GENERA	Spring2	AP	27.50	0.11	6.40	1.76	0.5236	No trend	0.5684

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB6.4	N_GENERA	Spring2	BP	32.00	0.00	0.00	0.00	0.9411	No trend	0.7762
CB6.4	N_SP	Spring2	AP	35.00	0.00	0.00	0.00	0.7491	No trend	0.5166
CB6.4	N_SP	Spring2	BP	41.50	-0.02	-0.77	-0.32	0.7872	No trend	0.9408
CB6.4	PROCAR_C	Spring2	AP	0.00	0.00		0.00	0.1868	No trend	0.3108
CB6.4	PROCAR_C	Spring2	BP	0.00	0.00		0.00	0.0004	No change	0.9693
CB6.4	PROCARY	Spring2	AP	0.04	0.00	0.00	0.00	0.1868	No trend	0.2335
CB6.4	PROCARY	Spring2	BP	0.00	0.00		0.00	0.0001	No change	0.9138
CB6.4	RATIO	Spring2	AP	59.37	1.25	33.69	20.00	0.4339	No trend	0.9439
CB6.4	RATIO	Spring2	BP	78.52	0.77	15.69	12.32	0.5572	No trend	0.7779
CB6.4	SHANNON	Spring2	AP	2.61	0.08	49.04	1.28	<0.0001	Improving	0.8698
CB6.4	SHANNON	Spring2	BP	2.86	0.07	39.16	1.12	0.0001	Improving	0.9395
CB6.4	TOTABUND	Spring2	AP	2703828	67899	40	1086391	0.4631	No trend	0.8691
CB6.4	TOTABUND	Spring2	BP	3419334	7892	4	126276	0.9221	No trend	0.9546
CB6.4	TOTBMASS	Spring2	AP	207888366	10108339	78	161733421	0.2606	No trend	0.7765
CB6.4	TOTBMASS	Spring2	BP	196527560	7024939	57	112399018	0.2819	No trend	0.7985
CB6.4	CHLORO	Summer1	AP	4147	977	401	16612	0.0569	No trend	0.9894
CB6.4	CHLORO	Summer1	BP	16589	3273	335	55633	0.0039	Improving	0.4966
CB6.4	CHLORO_C	Summer1	AP	93308	59587	1086	1012977	0.0432	Improving	0.9787
CB6.4	CHLORO_C	Summer1	BP	373253	156485	713	2660245	0.0002	Improving	0.4877
CB6.4	CRYPTO	Summer1	AP	1349820	-44819	-56	-761916	0.0425	Decreasing	0.1828
CB6.4	CRYPTO	Summer1	BP	324426	11721	61	199256	0.2881	No trend	0.1137
CB6.4	CRYPTO_C	Summer1	AP	32409178	-1076094	-56	-18293593	0.0425	Decreasing	0.1828
CB6.4	CRYPTO_C	Summer1	BP	7789456	281420	61	4784138	0.2709	No trend	0.1205
CB6.4	CYANO	Summer1	AP	26387	10641	686	180897	0.0003	Degrading	0.9153
CB6.4	CYANO	Summer1	BP	16	6226	661459	105834	<0.0001	Degrading	0.8406
CB6.4	CYANO_C	Summer1	AP	39581	34391	1477	584651	0.0002	Degrading	0.9616
CB6.4	CYANO_C	Summer1	BP	2239	34107	25898	579824	<0.0001	Degrading	0.8328
CB6.4	DIATOM	Summer1	AP	1466781	20146	23	342485	0.5493	No trend	0.6651
CB6.4	DIATOM	Summer1	BP	1330684	62671	80	1065413	0.0558	No trend	0.6507
CB6.4	DIATOM_C	Summer1	AP	73929104	1645027	38	27965464	0.6292	No trend	0.8867
CB6.4	DIATOM_C	Summer1	BP	92659193	5512179	101	93707036	0.0238	Improving	0.8101
CB6.4	DINOFL_C	Summer1	AP	50832232	5646453	189	95989701	0.0051	Degrading	0.7387
CB6.4	DINOFL_C	Summer1	BP	15113628	826135	93	14044295	0.1585	No trend	0.8735
CB6.4	DINOFLG	Summer1	AP	145573	8650	101	147050	0.0091	Degrading	0.1602
CB6.4	DINOFLG	Summer1	BP	67348	1615	41	27460	0.2093	No trend	0.8736
CB6.4	EVENNESS	Summer1	AP	0.51	0.01	33.33	0.17	0.0028	Improving	0.5970
CB6.4	EVENNESS	Summer1	BP	0.57	0.01	29.82	0.17	0.0028	Improving	0.8999
CB6.4	MARGALEF	Summer1	AP	2.30	0.03	22.17	0.51	0.1826	No trend	0.0866
CB6.4	MARGALEF	Summer1	BP	2.22	0.01	7.66	0.17	0.7136	No trend	0.5692
CB6.4	N_GENERA	Summer1	AP	27.50	0.38	23.49	6.46	0.0285	Improving	0.1295
CB6.4	N_GENERA	Summer1	BP	28.00	0.14	8.50	2.38	0.3032	No trend	0.2531
CB6.4	N_SP	Summer1	AP	35.00	0.44	21.37	7.48	0.1522	No trend	0.0880
CB6.4	N_SP	Summer1	BP	33.50	0.21	10.66	3.57	0.4047	No trend	0.5331
CB6.4	PROCAR_C	Summer1	AP	0.00	0.00		0.00	0.0015	No change	0.9081
CB6.4	PROCAR_C	Summer1	BP	0.00	0.00		0.00	0.0001	No change	0.7415
CB6.4	PROCARY	Summer1	AP	0.02	0.00	0.00	0.00	0.0002	No change	0.9155
CB6.4	PROCARY	Summer1	BP	0.00	0.00		0.00	0.0001	No change	0.7060
CB6.4	RATIO	Summer1	AP	55.84	1.94	59.06	32.98	0.0320	Improving	0.7081
CB6.4	RATIO	Summer1	BP	59.84	1.00	28.41	17.00	0.1474	No trend	0.7408
CB6.4	SHANNON	Summer1	AP	2.61	0.05	32.57	0.85	0.0006	Improving	0.6896
CB6.4	SHANNON	Summer1	BP	2.66	0.04	25.56	0.68	0.0065	Improving	0.6758
CB6.4	TOTABUND	Summer1	AP	2982607	15715	9	267156	0.8317	No trend	0.8402
CB6.4	TOTABUND	Summer1	BP	2513786	118758	80	2018889	0.0320	Increasing	0.6346
CB6.4	TOTBMASS	Summer1	AP	157634188	7524766	81	127921021	0.1369	No trend	0.7277
CB6.4	TOTBMASS	Summer1	BP	174800536	10785273	105	183349643	0.0175	Increasing	0.7368
CB6.4	CHLORO	Summer2	AP	3661	128	59	2176	0.1241	No trend	0.9685
CB6.4	CHLORO	Summer2	BP	17820	4509	430	76652	0.0039	Improving	0.4259
CB6.4	CHLORO_C	Summer2	AP	82373	42901	885	729324	0.0644	No trend	0.9278
CB6.4	CHLORO_C	Summer2	BP	400950	195421	829	3322150	0.0002	Improving	0.4839
CB6.4	CRYPTO	Summer2	AP	1388928	-46693	-57	-793780	0.0272	Decreasing	0.1402

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB6.4	CRYPTO	Summer2	BP	259258	19138	125	325342	0.0841	No trend	0.2232
CB6.4	CRYPTO_C	Summer2	AP	33348149	-1121097	-57	-19058652	0.0272	Decreasing	0.1402
CB6.4	CRYPTO_C	Summer2	BP	6224791	459497	125	7811455	0.0765	No trend	0.2479
CB6.4	CYANO	Summer2	AP	13194	9535	1229	162093	0.0027	Degrading	0.7992
CB6.4	CYANO	Summer2	BP	8	6887	1463381	117071	0.0004	Degrading	0.7142
CB6.4	CYANO_C	Summer2	AP	19790	42849	3681	728437	0.0009	Degrading	0.8870
CB6.4	CYANO_C	Summer2	BP	1119	36999	56187	628980	0.0001	Degrading	0.6502
CB6.4	DIATOM	Summer2	AP	1354715	45439	57	772458	0.2839	No trend	0.9105
CB6.4	DIATOM	Summer2	BP	1329964	79590	102	1353033	0.0272	Improving	0.8797
CB6.4	DIATOM_C	Summer2	AP	76032749	2563611	57	43581391	0.4440	No trend	0.9533
CB6.4	DIATOM_C	Summer2	BP	83898357	7611980	154	129403667	0.0193	Improving	0.8597
CB6.4	DINOFL_C	Summer2	AP	53311866	6267964	200	106555393	0.0217	Degrading	0.5537
CB6.4	DINOFL_C	Summer2	BP	12268634	420818	58	7153905	0.3937	No trend	0.9606
CB6.4	DINOFLG	Summer2	AP	146020	7109	83	120848	0.0339	Degrading	0.0790
CB6.4	DINOFLG	Summer2	BP	64615	1131	30	19228	0.3699	No trend	0.7665
CB6.4	EVENNESS	Summer2	AP	0.51	0.01	33.33	0.17	0.0378	Improving	0.7155
CB6.4	EVENNESS	Summer2	BP	0.58	0.01	29.31	0.17	0.0193	Improving	0.8647
CB6.4	MARGALEF	Summer2	AP	2.27	0.04	29.96	0.68	0.0516	No trend	0.1546
CB6.4	MARGALEF	Summer2	BP	2.15	0.01	7.91	0.17	0.4978	No trend	0.4899
CB6.4	N_GENERA	Summer2	AP	27.25	0.50	31.19	8.50	0.0065	Improving	0.2745
CB6.4	N_GENERA	Summer2	BP	27.50	0.27	16.69	4.59	0.1671	No trend	0.2266
CB6.4	N_SP	Summer2	AP	34.50	0.63	31.04	10.71	0.0464	Improving	0.1379
CB6.4	N_SP	Summer2	BP	32.00	0.33	17.53	5.61	0.2630	No trend	0.4776
CB6.4	PROCAR_C	Summer2	AP	0.00	0.00		0.00	0.0073	No change	0.7701
CB6.4	PROCAR_C	Summer2	BP	0.00	0.00		0.00	0.0009	No change	0.5574
CB6.4	PROCARY	Summer2	AP	0.01	0.00	0.00	0.00	0.0013	No change	0.7733
CB6.4	PROCARY	Summer2	BP	0.00	0.00		0.00	0.0017	No change	0.5711
CB6.4	RATIO	Summer2	AP	61.83	2.90	79.73	49.30	0.0272	Improving	0.6603
CB6.4	RATIO	Summer2	BP	66.03	0.92	23.69	15.64	0.2464	No trend	0.5464
CB6.4	SHANNON	Summer2	AP	2.57	0.04	26.46	0.68	0.0135	Improving	0.8306
CB6.4	SHANNON	Summer2	BP	2.75	0.03	18.55	0.51	0.0420	Improving	0.5932
CB6.4	TOTABUND	Summer2	AP	3133871	27257	15	463369	0.8440	No trend	0.6577
CB6.4	TOTABUND	Summer2	BP	2418072	129943	91	2209023	0.0217	Increasing	0.6577
CB6.4	TOTBMASS	Summer2	AP	189221169	8764957	79	149004271	0.1104	No trend	0.6453
CB6.4	TOTBMASS	Summer2	BP	168406410	12965647	131	220415996	0.0378	Increasing	0.5309
CB6.4	CHLORO	Winter	AP	8295	0	0	0	0.1002	No trend	0.7921
CB6.4	CHLORO	Winter	BP	16589	21	2	329	0.0695	No trend	0.9609
CB6.4	CHLORO_C	Winter	AP	186626	0	0	0	0.0936	No trend	0.8180
CB6.4	CHLORO_C	Winter	BP	373253	926	4	14812	0.0487	Improving	0.8299
CB6.4	CRYPTO	Winter	AP	472781	33803	114	540850	0.0150	Increasing	0.2279
CB6.4	CRYPTO	Winter	BP	770597	4004	8	64057	0.5843	No trend	0.7791
CB6.4	CRYPTO_C	Winter	AP	11351472	811613	114	12985808	0.0150	Increasing	0.2279
CB6.4	CRYPTO_C	Winter	BP	18502022	96126	8	1538017	0.5843	No trend	0.7791
CB6.4	CYANO	Winter	AP	0	3478		55650	0.0017	Degrading	0.9630
CB6.4	CYANO	Winter	BP	0	2349		37585	0.0003	Degrading	0.8797
CB6.4	CYANO_C	Winter	AP	0	38318		613085	0.0019	Degrading	0.9689
CB6.4	CYANO_C	Winter	BP	0	26921		430741	0.0001	Degrading	0.7125
CB6.4	DIATOM	Winter	AP	7817755	-53618	-11	-857883	0.7153	No trend	0.4546
CB6.4	DIATOM	Winter	BP	10000596	-131577	-21	-2105233	0.3308	No trend	0.9654
CB6.4	DIATOM_C	Winter	AP	530167898	-350987	-1	-5615797	1.0000	No trend	0.3934
CB6.4	DIATOM_C	Winter	BP	1742691003	-5269900	-5	-84318398	0.8079	No trend	0.2269
CB6.4	DINOFL_C	Winter	AP	143550819	602339	7	9637419	0.5843	No trend	0.4871
CB6.4	DINOFL_C	Winter	BP	17966763	2595162	231	41522590	0.0052	Degrading	0.2217
CB6.4	DINOFLG	Winter	AP	339035	-4669	-22	-74709	0.4658	No trend	0.6490
CB6.4	DINOFLG	Winter	BP	187213	3581	31	57293	0.5037	No trend	0.5630
CB6.4	EVENNESS	Winter	AP	0.50	0.00	0.00	0.00	0.3619	No trend	0.0705
CB6.4	EVENNESS	Winter	BP	0.46	0.01	34.78	0.16	0.0209	Improving	0.1173
CB6.4	MARGALEF	Winter	AP	2.24	-0.01	-7.14	-0.16	0.7612	No trend	0.2413
CB6.4	MARGALEF	Winter	BP	2.36	0.04	27.12	0.64	0.0449	Improving	0.7854
CB6.4	N_GENERA	Winter	AP	29.50	-0.14	-7.59	-2.24	0.4260	No trend	0.5977

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB6.4	N_GENERA	Winter	BP	30.00	0.54	28.80	8.64	0.0759	No trend	0.4925
CB6.4	N_SP	Winter	AP	36.50	-0.20	-8.77	-3.20	0.6041	No trend	0.3318
CB6.4	N_SP	Winter	BP	39.00	0.53	21.74	8.48	0.0503	No trend	0.9218
CB6.4	PROCAR_C	Winter	AP	0.00	0.00		0.00	0.0011	No change	0.8634
CB6.4	PROCAR_C	Winter	BP	0.00	0.00		0.00	<0.0001	No change	0.8269
CB6.4	PROCARY	Winter	AP	0.00	0.00		0.00	0.0021	No change	0.8977
CB6.4	PROCARY	Winter	BP	0.00	0.00		0.00	<0.0001	No change	0.6774
CB6.4	RATIO	Winter	AP	145.94	-0.42	-4.60	-6.72	0.7153	No trend	0.1167
CB6.4	RATIO	Winter	BP	297.32	2.28	12.27	36.48	0.2481	No trend	0.0289
CB6.4	SHANNON	Winter	AP	2.52	0.02	12.70	0.32	0.4658	No trend	0.3135
CB6.4	SHANNON	Winter	BP	2.41	0.06	39.83	0.96	0.0127	Improving	0.2043
CB6.4	TOTABUND	Winter	AP	8885297	-53150	-10	-850395	0.5843	No trend	0.7420
CB6.4	TOTABUND	Winter	BP	11164865	-213549	-31	-3416783	0.1621	No trend	0.7135
CB6.4	TOTBMASS	Winter	AP	694139870	738924	2	11822778	0.9515	No trend	0.2456
CB6.4	TOTBMASS	Winter	BP	1787004064	-4522142	-4	-72354275	0.9032	No trend	0.2749
CB7.3E	CHLORO	Annual	AP	96	256	4533	4352	<0.0001	Improving	0.8656
CB7.3E	CHLORO	Annual	BP	0	305		5191	0.0001	Improving	0.3330
CB7.3E	CHLORO_C	Annual	AP	4100	12800	5308	217595	<0.0001	Improving	0.8632
CB7.3E	CHLORO_C	Annual	BP	0	16085		273439	0.0001	Improving	0.5671
CB7.3E	CRYPTO	Annual	AP	887651	-4952	-9	-84192	0.5359	No trend	0.7611
CB7.3E	CRYPTO	Annual	BP	481024	6886	24	117066	0.2070	No trend	0.0229
CB7.3E	CRYPTO_C	Annual	AP	21312501	-118474	-9	-2014064	0.5517	No trend	0.7295
CB7.3E	CRYPTO_C	Annual	BP	11549386	165666	24	2816322	0.1985	No trend	0.0206
CB7.3E	CYANO	Annual	AP	4459	3424	1305	58208	<0.0001	Degrading	0.9740
CB7.3E	CYANO	Annual	BP	17324	313	31	5319	0.0001	Degrading	0.4580
CB7.3E	CYANO_C	Annual	AP	41808	16944	689	288049	<0.0001	Degrading	0.9703
CB7.3E	CYANO_C	Annual	BP	27167	2830	177	48111	0.0001	Degrading	0.3949
CB7.3E	DIATOM	Annual	AP	1711391	54686	54	929661	0.0260	Improving	0.2978
CB7.3E	DIATOM	Annual	BP	1857804	69239	63	1177069	0.0064	Improving	0.0117
CB7.3E	DIATOM_C	Annual	AP	136218392	6484134	81	110230285	0.0030	Improving	0.4091
CB7.3E	DIATOM_C	Annual	BP	102387968	9630586	160	163719963	0.0003	Improving	0.0190
CB7.3E	DINOFL_C	Annual	AP	34981196	1529775	74	26006167	0.0105	Degrading	0.2670
CB7.3E	DINOFL_C	Annual	BP	10655574	853852	136	14515479	0.0033	Degrading	0.3959
CB7.3E	DINOFLG	Annual	AP	118259	4168	60	70855	0.0190	Degrading	0.2647
CB7.3E	DINOFLG	Annual	BP	56117	2356	71	40056	0.0276	Degrading	0.0644
CB7.3E	EVENNESS	Annual	AP	0.50	0.01	34.00	0.17	<0.0001	Improving	0.7718
CB7.3E	EVENNESS	Annual	BP	0.50	0.01	34.00	0.17	<0.0001	Improving	0.6086
CB7.3E	MARGALEF	Annual	AP	2.69	0.00	0.00	0.00	0.8026	No trend	0.9711
CB7.3E	MARGALEF	Annual	BP	2.78	-0.01	-6.12	-0.17	0.1080	No trend	0.1014
CB7.3E	N_GENERA	Annual	AP	32.75	0.13	6.75	2.21	0.0942	No trend	0.8375
CB7.3E	N_GENERA	Annual	BP	34.25	0.00	0.00	0.00	0.9905	No trend	0.0232
CB7.3E	N_SP	Annual	AP	40.50	0.07	2.94	1.19	0.5346	No trend	0.7991
CB7.3E	N_SP	Annual	BP	42.50	-0.07	-2.80	-1.19	0.4305	No trend	0.0610
CB7.3E	PROCAR_C	Annual	AP	0.00	0.00		0.00	<0.0001	No change	0.9856
CB7.3E	PROCAR_C	Annual	BP	0.00	0.00		0.00	0.0005	No change	0.3732
CB7.3E	PROCARY	Annual	AP	0.00	0.00		0.00	<0.0001	No change	0.9411
CB7.3E	PROCARY	Annual	BP	0.01	0.00	0.00	0.00	0.0001	No change	0.3891
CB7.3E	RATIO	Annual	AP	79.08	0.62	13.33	10.54	0.2787	No trend	0.4270
CB7.3E	RATIO	Annual	BP	61.37	1.22	33.80	20.74	0.0523	No trend	0.0404
CB7.3E	SHANNON	Annual	AP	2.68	0.04	25.37	0.68	<0.0001	Improving	0.7839
CB7.3E	SHANNON	Annual	BP	2.56	0.04	26.56	0.68	<0.0001	Improving	0.6220
CB7.3E	TOTABUND	Annual	AP	2976735	66956	38	1138258	0.0801	No trend	0.5621
CB7.3E	TOTABUND	Annual	BP	3198037	81567	43	1386634	0.0178	Increasing	0.0418
CB7.3E	TOTBMASS	Annual	AP	253216540	7684837	52	130642225	0.0079	Increasing	0.1788
CB7.3E	TOTBMASS	Annual	BP	153332448	11547655	128	196310126	0.0013	Increasing	0.0454
CB7.3E	CHLORO	Fall	AP	0	0		0	0.0934	No trend	0.6507
CB7.3E	CHLORO	Fall	BP	0	2832		48149	0.0002	Improving	0.8303
CB7.3E	CHLORO_C	Fall	AP	0	0		0	0.1412	No trend	0.5976
CB7.3E	CHLORO_C	Fall	BP	0	67849		1153431	0.0008	Improving	0.5876
CB7.3E	CRYPTO	Fall	AP	681908	-9927	-25	-168762	0.7238	No trend	0.6418

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB7.3E	CRYPTO	Fall	BP	587781	1239	4	21066	0.9062	No trend	0.0061
CB7.3E	CRYPTO_C	Fall	AP	16372617	-214899	-22	-3653285	0.7594	No trend	0.6028
CB7.3E	CRYPTO_C	Fall	BP	13631748	66339	8	1127766	0.8690	No trend	0.0051
CB7.3E	CYANO	Fall	AP	6283	0	0	0	0.0009	No change	0.6944
CB7.3E	CYANO	Fall	BP	6854	32	8	544	0.0463	Degrading	0.3201
CB7.3E	CYANO_C	Fall	AP	9424	1449	261	24632	0.0004	Degrading	0.8616
CB7.3E	CYANO_C	Fall	BP	10281	486	80	8269	0.0289	Degrading	0.2998
CB7.3E	DIATOM	Fall	AP	877397	133517	259	2269783	0.0013	Improving	0.8114
CB7.3E	DIATOM	Fall	BP	895213	164409	312	2794949	<0.0001	Improving	0.4325
CB7.3E	DIATOM_C	Fall	AP	75558488	10768262	242	183060461	0.0013	Improving	0.8742
CB7.3E	DIATOM_C	Fall	BP	60728129	19199722	537	326395279	<0.0001	Improving	0.6272
CB7.3E	DINOFL_C	Fall	AP	23549850	-946868	-68	-16096751	0.4945	No trend	0.3677
CB7.3E	DINOFL_C	Fall	BP	5301402	-43561	-14	-740540	0.9062	No trend	0.2285
CB7.3E	DINOFLG	Fall	AP	78492	-3292	-71	-55968	0.1794	No trend	0.8976
CB7.3E	DINOFLG	Fall	BP	25786	1290	85	21925	0.2484	No trend	0.5410
CB7.3E	EVENNESS	Fall	AP	0.50	0.00	0.00	0.00	0.1951	No trend	0.7846
CB7.3E	EVENNESS	Fall	BP	0.46	0.01	36.96	0.17	0.0001	Improving	0.4408
CB7.3E	MARGALEF	Fall	AP	2.35	0.02	14.47	0.34	0.3835	No trend	0.6686
CB7.3E	MARGALEF	Fall	BP	2.87	-0.03	-17.77	-0.51	0.1378	No trend	0.2551
CB7.3E	N_GENERA	Fall	AP	29.50	0.29	16.71	4.93	0.1491	No trend	0.6347
CB7.3E	N_GENERA	Fall	BP	35.75	-0.16	-7.61	-2.72	0.3942	No trend	0.1124
CB7.3E	N_SP	Fall	AP	35.00	0.36	17.49	6.12	0.1784	No trend	0.6880
CB7.3E	N_SP	Fall	BP	42.50	-0.32	-12.80	-5.44	0.2662	No trend	0.2183
CB7.3E	PROCAR_C	Fall	AP	0.00	0.00		0.00	0.0023	No change	0.7806
CB7.3E	PROCAR_C	Fall	BP	0.00	0.00		0.00	0.0493	No change	0.3155
CB7.3E	PROCARY	Fall	AP	0.00	0.00		0.00	0.0020	No change	0.6352
CB7.3E	PROCARY	Fall	BP	0.01	0.00	0.00	0.00	0.1039	No trend	0.2893
CB7.3E	RATIO	Fall	AP	101.23	-1.34	-22.50	-22.78	0.4945	No trend	0.1145
CB7.3E	RATIO	Fall	BP	51.58	2.11	69.54	35.87	0.0252	Improving	0.0173
CB7.3E	SHANNON	Fall	AP	2.63	0.03	19.39	0.51	0.1145	No trend	0.8118
CB7.3E	SHANNON	Fall	BP	2.56	0.05	33.20	0.85	0.0011	Improving	0.3322
CB7.3E	TOTABUND	Fall	AP	2179146	148043	115	2516724	0.0944	No trend	0.5802
CB7.3E	TOTABUND	Fall	BP	1623724	157225	165	2672831	0.0020	Increasing	0.5252
CB7.3E	TOTBMASS	Fall	AP	177840405	3179020	30	54043342	0.5248	No trend	0.1306
CB7.3E	TOTBMASS	Fall	BP	96490481	16357647	288	278079994	0.0038	Increasing	0.1132
CB7.3E	CHLORO	SAV1	AP	24884	0	0	0	0.0104	No change	0.5011
CB7.3E	CHLORO	SAV1	BP	6771	171	43	2901	0.0189	Improving	0.1731
CB7.3E	CHLORO_C	SAV1	AP	559879	66	0	1129	0.0073	Improving	0.4130
CB7.3E	CHLORO_C	SAV1	BP	152348	9834	110	167172	0.0143	Improving	0.2663
CB7.3E	CRYPTO	SAV1	AP	975189	-14767	-26	-251040	0.1756	No trend	0.9881
CB7.3E	CRYPTO	SAV1	BP	562879	-6464	-20	-109895	0.3815	No trend	0.0593
CB7.3E	CRYPTO_C	SAV1	AP	23414288	-347675	-25	-5910477	0.1653	No trend	0.9843
CB7.3E	CRYPTO_C	SAV1	BP	13514725	-155211	-20	-2638592	0.3815	No trend	0.0593
CB7.3E	CYANO	SAV1	AP	8295	4160	853	70720	<0.0001	Degrading	0.9877
CB7.3E	CYANO	SAV1	BP	37325	2332	106	39649	0.0025	Degrading	0.4167
CB7.3E	CYANO_C	SAV1	AP	87316	22405	436	380882	<0.0001	Degrading	0.9266
CB7.3E	CYANO_C	SAV1	BP	56544	6415	193	109047	0.0039	Degrading	0.4364
CB7.3E	DIATOM	SAV1	AP	1141087	98443	147	1673529	0.0166	Improving	0.4767
CB7.3E	DIATOM	SAV1	BP	1804925	90537	85	1539134	0.0064	Improving	0.0730
CB7.3E	DIATOM_C	SAV1	AP	86500384	9731723	191	165439299	0.0086	Improving	0.1900
CB7.3E	DIATOM_C	SAV1	BP	95627843	16194972	288	275314521	0.0014	Improving	0.0407
CB7.3E	DINOFL_C	SAV1	AP	63762728	739398	20	12569764	0.3815	No trend	0.3912
CB7.3E	DINOFL_C	SAV1	BP	12760564	687183	92	11682105	0.1604	No trend	0.1797
CB7.3E	DINOFLG	SAV1	AP	213346	2944	23	50046	0.2545	No trend	0.4271
CB7.3E	DINOFLG	SAV1	BP	61709	1301	36	22119	0.2831	No trend	0.6504
CB7.3E	EVENNESS	SAV1	AP	0.50	0.01	34.00	0.17	0.0002	Improving	0.6688
CB7.3E	EVENNESS	SAV1	BP	0.47	0.01	36.17	0.17	<0.0001	Improving	0.8517
CB7.3E	MARGALEF	SAV1	AP	2.73	0.00	0.00	0.00	0.9342	No trend	0.8735
CB7.3E	MARGALEF	SAV1	BP	2.80	-0.02	-12.14	-0.34	0.0890	No trend	0.1865
CB7.3E	N_GENERA	SAV1	AP	33.00	0.14	7.21	2.38	0.2665	No trend	0.8016

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB7.3E	N_GENERA	SAV1	BP	34.50	0.00	0.00	0.00	0.8421	No trend	0.0319
CB7.3E	N_SP	SAV1	AP	41.00	0.07	2.90	1.19	0.5732	No trend	0.8248
CB7.3E	N_SP	SAV1	BP	43.00	-0.09	-3.56	-1.53	0.4164	No trend	0.0522
CB7.3E	PROCAR_C	SAV1	AP	0.00	0.00		0.00	0.0001	No change	0.9938
CB7.3E	PROCAR_C	SAV1	BP	0.00	0.00		0.00	0.0136	No change	0.3986
CB7.3E	PROCARY	SAV1	AP	0.00	0.00		0.00	<0.0001	No change	0.9805
CB7.3E	PROCARY	SAV1	BP	0.01	0.00	0.00	0.00	0.0041	No change	0.5971
CB7.3E	RATIO	SAV1	AP	79.72	-0.31	-6.61	-5.27	0.6797	No trend	0.2863
CB7.3E	RATIO	SAV1	BP	61.22	1.44	39.99	24.48	0.0829	No trend	0.0161
CB7.3E	SHANNON	SAV1	AP	2.74	0.04	24.82	0.68	0.0006	Improving	0.8616
CB7.3E	SHANNON	SAV1	BP	2.57	0.04	26.46	0.68	<0.0001	Improving	0.4119
CB7.3E	TOTABUND	SAV1	AP	3324472	115909	59	1970453	0.0953	No trend	0.8885
CB7.3E	TOTABUND	SAV1	BP	2969837	104301	60	1773122	0.0305	Increasing	0.4643
CB7.3E	TOTBMASS	SAV1	AP	295910406	5850084	34	99451434	0.1920	No trend	0.1387
CB7.3E	TOTBMASS	SAV1	BP	135122623	15231852	192	258941477	0.0115	Increasing	0.1332
CB7.3E	CHLORO	SAV2	AP	48	301	10656	5115	0.0016	Improving	0.5734
CB7.3E	CHLORO	SAV2	BP	3607	1535	724	26099	0.0026	Improving	0.1057
CB7.3E	CHLORO_C	SAV2	AP	743	3580	8186	60853	0.0021	Improving	0.5569
CB7.3E	CHLORO_C	SAV2	BP	81146	36835	772	626190	0.0021	Improving	0.2135
CB7.3E	CRYPTO	SAV2	AP	642816	-5802	-15	-98640	0.5549	No trend	0.5797
CB7.3E	CRYPTO	SAV2	BP	349550	8259	40	140408	0.1379	No trend	0.0707
CB7.3E	CRYPTO_C	SAV2	AP	15434012	-139315	-15	-2368358	0.5549	No trend	0.5797
CB7.3E	CRYPTO_C	SAV2	BP	8392684	198306	40	3371206	0.1379	No trend	0.0707
CB7.3E	CYANO	SAV2	AP	8295	4385	899	74538	<0.0001	Degrading	0.8670
CB7.3E	CYANO	SAV2	BP	37325	111	5	1885	0.0270	Degrading	0.6626
CB7.3E	CYANO_C	SAV2	AP	64769	21505	564	365584	<0.0001	Degrading	0.8508
CB7.3E	CYANO_C	SAV2	BP	96245	1332	24	22645	0.0383	Degrading	0.6245
CB7.3E	DIATOM	SAV2	AP	1736181	55850	55	949442	0.0900	No trend	0.3881
CB7.3E	DIATOM	SAV2	BP	1910684	55667	50	946342	0.0693	No trend	0.5138
CB7.3E	DIATOM_C	SAV2	AP	158270698	7587233	81	128982959	0.0130	Improving	0.5923
CB7.3E	DIATOM_C	SAV2	BP	109148094	8745600	136	148675195	0.0044	Improving	0.2024
CB7.3E	DINOFL_C	SAV2	AP	35198471	3864373	187	65694335	0.0015	Degrading	0.3961
CB7.3E	DINOFL_C	SAV2	BP	12504186	1125680	153	19136567	0.0142	Degrading	0.1172
CB7.3E	DINOFLG	SAV2	AP	87827	6045	117	102762	0.0022	Degrading	0.4010
CB7.3E	DINOFLG	SAV2	BP	59951	2378	67	40431	0.0316	Degrading	0.2994
CB7.3E	EVENNESS	SAV2	AP	0.47	0.01	36.17	0.17	<0.0001	Improving	0.5223
CB7.3E	EVENNESS	SAV2	BP	0.50	0.01	34.00	0.17	<0.0001	Improving	0.6935
CB7.3E	MARGALEF	SAV2	AP	2.74	0.01	6.20	0.17	0.5858	No trend	0.8778
CB7.3E	MARGALEF	SAV2	BP	2.79	-0.02	-12.19	-0.34	0.1021	No trend	0.0245
CB7.3E	N_GENERA	SAV2	AP	32.50	0.17	8.89	2.89	0.0595	No trend	0.5572
CB7.3E	N_GENERA	SAV2	BP	34.50	-0.07	-3.45	-1.19	0.4565	No trend	0.0180
CB7.3E	N_SP	SAV2	AP	42.00	0.16	6.48	2.72	0.3235	No trend	0.6522
CB7.3E	N_SP	SAV2	BP	43.50	-0.20	-7.82	-3.40	0.1968	No trend	0.0703
CB7.3E	PROCAR_C	SAV2	AP	0.00	0.00		0.00	0.0003	No change	0.9327
CB7.3E	PROCAR_C	SAV2	BP	0.00	0.00		0.00	0.0729	No trend	0.5210
CB7.3E	PROCARY	SAV2	AP	0.00	0.00		0.00	<0.0001	No change	0.7663
CB7.3E	PROCARY	SAV2	BP	0.03	0.00	0.00	0.00	0.0304	No change	0.5986
CB7.3E	RATIO	SAV2	AP	79.72	1.03	21.96	17.51	0.2259	No trend	0.2338
CB7.3E	RATIO	SAV2	BP	74.21	0.50	11.45	8.50	0.3637	No trend	0.1830
CB7.3E	SHANNON	SAV2	AP	2.67	0.05	31.84	0.85	<0.0001	Improving	0.7176
CB7.3E	SHANNON	SAV2	BP	2.57	0.04	26.46	0.68	0.0005	Improving	0.7605
CB7.3E	TOTABUND	SAV2	AP	2628997	103833	67	1765157	0.0367	Increasing	0.3285
CB7.3E	TOTABUND	SAV2	BP	3426237	89954	45	1529222	0.0395	Increasing	0.5625
CB7.3E	TOTBMASS	SAV2	AP	241216032	13627483	96	231667206	0.0022	Increasing	0.2457
CB7.3E	TOTBMASS	SAV2	BP	170838648	11162697	111	189765851	0.0070	Increasing	0.3556
CB7.3E	CHLORO	Spring1	AP	8295	1104	213	17667	0.0382	Improving	0.1465
CB7.3E	CHLORO	Spring1	BP	0	0		0	0.8171	No trend	0.4161
CB7.3E	CHLORO_C	Spring1	AP	186626	18090	155	289432	0.0277	Improving	0.1522
CB7.3E	CHLORO_C	Spring1	BP	0	0		0	0.4878	No trend	0.3449
CB7.3E	CRYPTO	Spring1	AP	1005771	-14984	-24	-239736	0.2568	No trend	0.9036

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB7.3E	CRYPTO	Spring1	BP	562879	5200	15	83202	0.5795	No trend	0.2796
CB7.3E	CRYPTO_C	Spring1	AP	24148550	-356314	-24	-5701017	0.2363	No trend	0.8764
CB7.3E	CRYPTO_C	Spring1	BP	13514725	124855	15	1997680	0.5795	No trend	0.2796
CB7.3E	CYANO	Spring1	AP	0	9299		148783	0.0016	Degrading	0.8272
CB7.3E	CYANO	Spring1	BP	37325	6480	278	103676	0.0440	Degrading	0.1270
CB7.3E	CYANO_C	Spring1	AP	0	48808		780921	0.0019	Degrading	0.6833
CB7.3E	CYANO_C	Spring1	BP	103511	15397	238	246359	0.0628	No trend	0.2031
CB7.3E	DIATOM	Spring1	AP	2384536	27167	18	434674	0.6869	No trend	0.8412
CB7.3E	DIATOM	Spring1	BP	5020537	35359	11	565743	0.5125	No trend	0.5815
CB7.3E	DIATOM_C	Spring1	AP	221569570	191908	1	3070521	0.9598	No trend	0.4938
CB7.3E	DIATOM_C	Spring1	BP	328229893	-1232817	-6	-19725064	0.9598	No trend	0.4669
CB7.3E	DINOFL_C	Spring1	AP	63762728	2988045	75	47808716	0.0439	Degrading	0.9756
CB7.3E	DINOFL_C	Spring1	BP	28219343	1476947	84	23631145	0.0205	Degrading	0.3393
CB7.3E	DINOFLG	Spring1	AP	414746	6146	24	98341	0.0867	No trend	0.9704
CB7.3E	DINOFLG	Spring1	BP	213619	5272	39	84346	0.2466	No trend	0.2903
CB7.3E	EVENNESS	Spring1	AP	0.59	0.01	27.12	0.16	0.0030	Improving	0.8243
CB7.3E	EVENNESS	Spring1	BP	0.49	0.01	32.65	0.16	0.0041	Improving	0.9818
CB7.3E	MARGALEF	Spring1	AP	2.81	0.00	0.00	0.00	0.9197	No trend	0.9501
CB7.3E	MARGALEF	Spring1	BP	2.72	0.00	0.00	0.00	0.8011	No trend	0.1593
CB7.3E	N_GENERA	Spring1	AP	33.00	0.13	6.30	2.08	0.4035	No trend	0.9224
CB7.3E	N_GENERA	Spring1	BP	33.00	0.26	12.61	4.16	0.1971	No trend	0.1179
CB7.3E	N_SP	Spring1	AP	43.00	0.05	1.86	0.80	0.6854	No trend	0.9370
CB7.3E	N_SP	Spring1	BP	41.50	0.13	5.01	2.08	0.4788	No trend	0.0569
CB7.3E	PROCAR_C	Spring1	AP	0.00	0.00		0.00	0.0025	No change	0.9899
CB7.3E	PROCAR_C	Spring1	BP	0.00	0.00		0.00	0.1083	No trend	0.2031
CB7.3E	PROCARY	Spring1	AP	0.00	0.00		0.00	0.0010	No change	0.7636
CB7.3E	PROCARY	Spring1	BP	0.01	0.00	0.00	0.00	0.0344	No change	0.2328
CB7.3E	RATIO	Spring1	AP	79.70	-0.33	-6.62	-5.28	0.7624	No trend	0.6514
CB7.3E	RATIO	Spring1	BP	61.22	-0.58	-15.16	-9.28	0.6869	No trend	0.8105
CB7.3E	SHANNON	Spring1	AP	3.10	0.04	20.65	0.64	0.0065	Improving	0.8973
CB7.3E	SHANNON	Spring1	BP	2.56	0.04	25.00	0.64	0.0030	Improving	0.2969
CB7.3E	TOTABUND	Spring1	AP	4157395	82984	32	1327739	0.4806	No trend	0.9025
CB7.3E	TOTABUND	Spring1	BP	6382259	130236	33	2083774	0.1584	No trend	0.2903
CB7.3E	TOTBMASS	Spring1	AP	324309580	7015184	35	112242943	0.4806	No trend	0.2521
CB7.3E	TOTBMASS	Spring1	BP	370494329	7643935	33	122302959	0.6869	No trend	0.5907
CB7.3E	CHLORO	Spring2	AP	0	301		4814	0.0413	Improving	0.1538
CB7.3E	CHLORO	Spring2	BP	0	2225		35607	0.1519	No trend	0.0251
CB7.3E	CHLORO_C	Spring2	AP	0	3991		63857	0.0413	Improving	0.1846
CB7.3E	CHLORO_C	Spring2	BP	0	36510		584167	0.1833	No trend	0.0837
CB7.3E	CRYPTO	Spring2	AP	992344	-8329	-13	-133256	0.5287	No trend	0.9566
CB7.3E	CRYPTO	Spring2	BP	1022802	5368	8	85884	0.5455	No trend	0.2673
CB7.3E	CRYPTO_C	Spring2	AP	23826179	-199968	-13	-3199486	0.5287	No trend	0.9566
CB7.3E	CRYPTO_C	Spring2	BP	24557464	128879	8	2062066	0.5455	No trend	0.2673
CB7.3E	CYANO	Spring2	AP	8295	15041	2901	240663	0.0006	Degrading	0.9270
CB7.3E	CYANO	Spring2	BP	37325	4110	176	65755	0.0675	No trend	0.2062
CB7.3E	CYANO_C	Spring2	AP	152241	49285	518	788554	0.0007	Degrading	0.8232
CB7.3E	CYANO_C	Spring2	BP	103511	24477	378	391636	0.0755	No trend	0.2508
CB7.3E	DIATOM	Spring2	AP	2384536	7052	5	112825	0.8799	No trend	0.7200
CB7.3E	DIATOM	Spring2	BP	5020537	9198	3	147160	0.8011	No trend	0.7617
CB7.3E	DIATOM_C	Spring2	AP	158270698	3082420	31	49318720	0.5795	No trend	0.8717
CB7.3E	DIATOM_C	Spring2	BP	328229893	2161866	11	34589854	0.6144	No trend	0.2962
CB7.3E	DINOFL_C	Spring2	AP	63762728	5427538	136	86840607	0.0205	Degrading	0.9837
CB7.3E	DINOFL_C	Spring2	BP	28219343	2705374	153	43285982	0.0021	Degrading	0.2327
CB7.3E	DINOFLG	Spring2	AP	228828	6033	42	96534	0.1307	No trend	0.8846
CB7.3E	DINOFLG	Spring2	BP	213619	5238	39	83811	0.1183	No trend	0.1529
CB7.3E	EVENNESS	Spring2	AP	0.58	0.01	27.59	0.16	0.0004	Improving	0.9834
CB7.3E	EVENNESS	Spring2	BP	0.46	0.01	34.78	0.16	0.0002	Improving	0.5590
CB7.3E	MARGALEF	Spring2	AP	2.81	0.00	0.00	0.00	0.9197	No trend	0.9501
CB7.3E	MARGALEF	Spring2	BP	2.77	-0.02	-11.55	-0.32	0.1307	No trend	0.1265
CB7.3E	N_GENERA	Spring2	AP	33.00	0.10	4.85	1.60	0.3623	No trend	0.9357

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB7.3E	N_GENERA	Spring2	BP	34.00	-0.13	-6.12	-2.08	0.5611	No trend	0.4422
CB7.3E	N_SP	Spring2	AP	43.00	0.00	0.00	0.00	0.7999	No trend	0.8550
CB7.3E	N_SP	Spring2	BP	43.50	-0.31	-11.40	-4.96	0.2450	No trend	0.4144
CB7.3E	PROCAR_C	Spring2	AP	0.00	0.00		0.00	0.0016	No change	0.9971
CB7.3E	PROCAR_C	Spring2	BP	0.00	0.00		0.00	0.1041	No trend	0.1980
CB7.3E	PROCARY	Spring2	AP	0.00	0.00		0.00	0.0001	No change	0.9834
CB7.3E	PROCARY	Spring2	BP	0.01	0.00	0.00	0.00	0.0329	No change	0.2279
CB7.3E	RATIO	Spring2	AP	68.06	0.65	15.28	10.40	0.4806	No trend	0.9131
CB7.3E	RATIO	Spring2	BP	57.68	1.10	30.51	17.60	0.5795	No trend	0.4186
CB7.3E	SHANNON	Spring2	AP	3.08	0.05	25.97	0.80	0.0006	Improving	0.8590
CB7.3E	SHANNON	Spring2	BP	2.52	0.05	31.75	0.80	0.0035	Improving	0.3181
CB7.3E	TOTABUND	Spring2	AP	4157395	50430	19	806877	0.6144	No trend	0.7794
CB7.3E	TOTABUND	Spring2	BP	6382259	63217	16	1011472	0.4498	No trend	0.7828
CB7.3E	TOTBMASS	Spring2	AP	222565681	14755138	106	236082206	0.1738	No trend	0.7336
CB7.3E	TOTBMASS	Spring2	BP	370494329	8428167	36	134850678	0.2677	No trend	0.3380
CB7.3E	CHLORO	Summer1	AP	128	2602	34552	44227	0.0022	Improving	0.8389
CB7.3E	CHLORO	Summer1	BP	3607	1712	807	29104	0.0059	Improving	0.3740
CB7.3E	CHLORO_C	Summer1	AP	5804	59726	17495	1015340	0.0024	Improving	0.8927
CB7.3E	CHLORO_C	Summer1	BP	81146	40944	858	696050	0.0075	Improving	0.5987
CB7.3E	CRYPTO	Summer1	AP	642816	-4934	-13	-83884	0.7426	No trend	0.2100
CB7.3E	CRYPTO	Summer1	BP	240538	9165	65	155805	0.1703	No trend	0.0329
CB7.3E	CRYPTO_C	Summer1	AP	15434012	-118474	-13	-2014064	0.7426	No trend	0.2100
CB7.3E	CRYPTO_C	Summer1	BP	5775305	220052	65	3740878	0.1703	No trend	0.0329
CB7.3E	CYANO	Summer1	AP	11747	4092	592	69566	0.0093	Degrading	0.6703
CB7.3E	CYANO	Summer1	BP	20940	107	9	1813	0.0656	No trend	0.3936
CB7.3E	CYANO_C	Summer1	AP	87316	16298	317	277071	0.0173	Degrading	0.7817
CB7.3E	CYANO_C	Summer1	BP	31410	695	38	11813	0.1227	No trend	0.3658
CB7.3E	DIATOM	Summer1	AP	1736181	27255	27	463337	0.3847	No trend	0.2568
CB7.3E	DIATOM	Summer1	BP	1910684	59272	53	1007618	0.1585	No trend	0.4083
CB7.3E	DIATOM_C	Summer1	AP	158270698	5669361	61	96379133	0.0610	No trend	0.2813
CB7.3E	DIATOM_C	Summer1	BP	109148094	10268856	160	174570549	0.0045	Improving	0.3632
CB7.3E	DINOFL_C	Summer1	AP	34763921	4899724	240	83295302	0.0008	Degrading	0.6415
CB7.3E	DINOFL_C	Summer1	BP	10736302	1541566	244	26206623	0.0091	Degrading	0.5950
CB7.3E	DINOFLG	Summer1	AP	86575	7016	138	119275	0.0014	Degrading	0.3905
CB7.3E	DINOFLG	Summer1	BP	59951	3228	92	54868	0.0388	Degrading	0.1878
CB7.3E	EVENNESS	Summer1	AP	0.47	0.01	36.17	0.17	0.0001	Improving	0.4297
CB7.3E	EVENNESS	Summer1	BP	0.52	0.01	32.69	0.17	0.0028	Improving	0.3182
CB7.3E	MARGALEF	Summer1	AP	2.83	0.00	0.00	0.00	0.8924	No trend	0.6779
CB7.3E	MARGALEF	Summer1	BP	2.77	0.00	0.00	0.00	0.5493	No trend	0.0358
CB7.3E	N_GENERA	Summer1	AP	33.50	0.11	5.58	1.87	0.2609	No trend	0.2697
CB7.3E	N_GENERA	Summer1	BP	35.00	0.00	0.00	0.00	0.9073	No trend	0.0147
CB7.3E	N_SP	Summer1	AP	43.50	0.07	2.74	1.19	0.7862	No trend	0.3784
CB7.3E	N_SP	Summer1	BP	43.50	0.00	0.00	0.00	0.8313	No trend	0.0646
CB7.3E	PROCAR_C	Summer1	AP	0.00	0.00		0.00	0.0237	No change	0.7584
CB7.3E	PROCAR_C	Summer1	BP	0.00	0.00		0.00	0.1915	No trend	0.3220
CB7.3E	PROCARY	Summer1	AP	0.00	0.00		0.00	0.0038	No change	0.4621
CB7.3E	PROCARY	Summer1	BP	0.03	0.00	0.00	0.00	0.0816	No trend	0.2424
CB7.3E	RATIO	Summer1	AP	78.46	2.08	45.07	35.36	0.0263	Improving	0.6589
CB7.3E	RATIO	Summer1	BP	75.88	1.66	37.19	28.22	0.0788	No trend	0.1558
CB7.3E	SHANNON	Summer1	AP	2.67	0.06	38.20	1.02	<0.0001	Improving	0.6970
CB7.3E	SHANNON	Summer1	BP	2.57	0.04	26.46	0.68	0.0057	Improving	0.5712
CB7.3E	TOTABUND	Summer1	AP	3324472	61081	31	1038378	0.2093	No trend	0.1277
CB7.3E	TOTABUND	Summer1	BP	3426237	89459	44	1520795	0.1270	No trend	0.4407
CB7.3E	TOTBMASS	Summer1	AP	222565681	13131197	100	223230342	0.0008	Increasing	0.3704
CB7.3E	TOTBMASS	Summer1	BP	170838648	15623644	155	265601951	0.0013	Increasing	0.5772
CB7.3E	CHLORO	Summer2	AP	4211	2054	829	34925	0.0162	Improving	0.7521
CB7.3E	CHLORO	Summer2	BP	5189	32	10	544	0.1125	No trend	0.8549
CB7.3E	CHLORO_C	Summer2	AP	96215	42899	758	729275	0.0135	Improving	0.7802
CB7.3E	CHLORO_C	Summer2	BP	116747	1590	23	27035	0.0852	No trend	0.8545
CB7.3E	CRYPTO	Summer2	AP	540667	-4862	-15	-82650	0.7762	No trend	0.1040

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB7.3E	CRYPTO	Summer2	BP	213363	7677	61	130509	0.2839	No trend	0.0130
CB7.3E	CRYPTO_C	Summer2	AP	12981421	-116731	-15	-1984435	0.7762	No trend	0.1040
CB7.3E	CRYPTO_C	Summer2	BP	5122840	184325	61	3133517	0.2839	No trend	0.0130
CB7.3E	CYANO	Summer2	AP	21902	536	42	9112	0.0573	No trend	0.6017
CB7.3E	CYANO	Summer2	BP	143844	0	0	0	0.4315	No trend	0.9614
CB7.3E	CYANO_C	Summer2	AP	76042	243	5	4134	0.0814	No trend	0.7275
CB7.3E	CYANO_C	Summer2	BP	922434	0	0	0	0.6211	No trend	0.9958
CB7.3E	DIATOM	Summer2	AP	1711391	46039	46	782670	0.2291	No trend	0.2095
CB7.3E	DIATOM	Summer2	BP	2311709	68537	50	1165129	0.1552	No trend	0.2576
CB7.3E	DIATOM_C	Summer2	AP	116311630	8226863	120	139856666	0.0304	Improving	0.2878
CB7.3E	DIATOM_C	Summer2	BP	149888533	16698154	189	283868621	0.0081	Improving	0.2194
CB7.3E	DINOFL_C	Summer2	AP	25375921	4780607	320	81270316	0.0027	Degrading	0.4418
CB7.3E	DINOFL_C	Summer2	BP	10604816	1119370	179	19029294	0.1010	No trend	0.9281
CB7.3E	DINOFLG	Summer2	AP	65518	8108	210	137832	0.0008	Degrading	0.4825
CB7.3E	DINOFLG	Summer2	BP	50888	1868	62	31748	0.2126	No trend	0.1788
CB7.3E	EVENNESS	Summer2	AP	0.47	0.01	36.17	0.17	0.0015	Improving	0.2606
CB7.3E	EVENNESS	Summer2	BP	0.55	0.00	0.00	0.00	0.0695	No trend	0.6834
CB7.3E	MARGALEF	Summer2	AP	2.56	0.00	0.00	0.00	0.9129	No trend	0.4679
CB7.3E	MARGALEF	Summer2	BP	2.56	0.00	0.00	0.00	0.8440	No trend	0.0443
CB7.3E	N_GENERA	Summer2	AP	31.75	0.15	8.03	2.55	0.3023	No trend	0.1416
CB7.3E	N_GENERA	Summer2	BP	32.75	0.13	6.75	2.21	0.5385	No trend	0.0095
CB7.3E	N_SP	Summer2	AP	39.25	0.17	7.36	2.89	0.6456	No trend	0.2399
CB7.3E	N_SP	Summer2	BP	39.00	0.11	4.79	1.87	0.7588	No trend	0.0463
CB7.3E	PROCAR_C	Summer2	AP	0.00	0.00		0.00	0.1184	No trend	0.7825
CB7.3E	PROCAR_C	Summer2	BP	0.00	0.00		0.00	0.7874	No trend	0.9082
CB7.3E	PROCARY	Summer2	AP	0.01	0.00	0.00	0.00	0.0490	No change	0.5218
CB7.3E	PROCARY	Summer2	BP	0.05	0.00	0.00	0.00	0.5591	No trend	0.8257
CB7.3E	RATIO	Summer2	AP	79.09	2.44	52.45	41.48	0.0339	Improving	0.4899
CB7.3E	RATIO	Summer2	BP	81.94	1.43	29.67	24.31	0.1822	No trend	0.0794
CB7.3E	SHANNON	Summer2	AP	2.45	0.06	41.63	1.02	0.0006	Improving	0.5188
CB7.3E	SHANNON	Summer2	BP	2.88	0.03	17.71	0.51	0.0695	No trend	0.7843
CB7.3E	TOTABUND	Summer2	AP	2909984	94657	55	1609164	0.1205	No trend	0.0949
CB7.3E	TOTABUND	Summer2	BP	2919143	86777	51	1475214	0.2291	No trend	0.2682
CB7.3E	TOTBMASS	Summer2	AP	235742272	18020673	130	306351433	0.0002	Increasing	0.8899
CB7.3E	TOTBMASS	Summer2	BP	173531335	17011639	167	289197866	0.0042	Increasing	0.3762
CB7.3E	CHLORO	Winter	AP	8327	93	18	1489	0.1255	No trend	0.8541
CB7.3E	CHLORO	Winter	BP	64	0	0	0	0.3867	No trend	0.6721
CB7.3E	CHLORO_C	Winter	AP	187824	14542	124	232672	0.0544	No trend	0.8240
CB7.3E	CHLORO_C	Winter	BP	2396	0	0	0	0.3867	No trend	0.8762
CB7.3E	CRYPTO	Winter	AP	892314	12667	23	202679	0.4287	No trend	0.6836
CB7.3E	CRYPTO	Winter	BP	573224	5751	16	92020	0.8000	No trend	0.6828
CB7.3E	CRYPTO_C	Winter	AP	19837607	304145	25	4866319	0.3927	No trend	0.7357
CB7.3E	CRYPTO_C	Winter	BP	13763096	138087	16	2209389	0.8000	No trend	0.6828
CB7.3E	CYANO	Winter	AP	4147	5229	2018	83667	0.0400	Degrading	0.7368
CB7.3E	CYANO	Winter	BP	0	2897		46346	0.0251	Degrading	0.3926
CB7.3E	CYANO_C	Winter	AP	127023	11483	145	183727	0.0676	No trend	0.8604
CB7.3E	CYANO_C	Winter	BP	0	37673		602766	0.0104	Degrading	0.2767
CB7.3E	DIATOM	Winter	AP	7459263	-18381	-4	-294092	0.7276	No trend	0.2484
CB7.3E	DIATOM	Winter	BP	7951532	-194449	-39	-3111182	0.0711	No trend	0.8421
CB7.3E	DIATOM_C	Winter	AP	277372591	2163538	12	34616610	0.6806	No trend	0.9537
CB7.3E	DIATOM_C	Winter	BP	279194288	-6349585	-36	-101593354	0.5061	No trend	0.1156
CB7.3E	DINOFL_C	Winter	AP	51052308	-296095	-9	-4737524	0.7757	No trend	0.4841
CB7.3E	DINOFL_C	Winter	BP	6606510	394579	96	6313264	0.4287	No trend	0.3817
CB7.3E	DINOFLG	Winter	AP	216270	4751	35	76013	0.5061	No trend	0.7710
CB7.3E	DINOFLG	Winter	BP	146349	-2643	-29	-42291	0.5904	No trend	0.0041
CB7.3E	EVENNESS	Winter	AP	0.32	0.00	0.00	0.00	0.1542	No trend	0.3506
CB7.3E	EVENNESS	Winter	BP	0.36	0.01	44.44	0.16	0.0816	No trend	0.0953
CB7.3E	MARGALEF	Winter	AP	2.84	-0.02	-11.27	-0.32	0.3927	No trend	0.9353
CB7.3E	MARGALEF	Winter	BP	2.43	-0.02	-13.17	-0.32	0.3264	No trend	0.2211
CB7.3E	N_GENERA	Winter	AP	35.50	-0.11	-4.96	-1.76	0.7026	No trend	0.8740

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB7.3E	N_GENERA	Winter	BP	30.00	-0.18	-9.60	-2.88	0.4834	No trend	0.5193
CB7.3E	N_SP	Winter	AP	46.50	-0.33	-11.35	-5.28	0.2662	No trend	0.9012
CB7.3E	N_SP	Winter	BP	39.00	-0.50	-20.51	-8.00	0.2537	No trend	0.3245
CB7.3E	PROCAR_C	Winter	AP	0.00	0.00		0.00	0.1679	No trend	0.9797
CB7.3E	PROCAR_C	Winter	BP	0.00	0.00		0.00	0.0138	No change	0.2958
CB7.3E	PROCARY	Winter	AP	0.00	0.00		0.00	0.0585	No trend	0.9795
CB7.3E	PROCARY	Winter	BP	0.00	0.00		0.00	0.0095	No change	0.5067
CB7.3E	RATIO	Winter	AP	42.36	0.99	37.39	15.84	0.5904	No trend	0.6408
CB7.3E	RATIO	Winter	BP	48.26	-0.57	-18.90	-9.12	0.8246	No trend	0.1957
CB7.3E	SHANNON	Winter	AP	1.81	0.02	17.68	0.32	0.5475	No trend	0.3569
CB7.3E	SHANNON	Winter	BP	2.00	0.01	8.00	0.16	0.1367	No trend	0.2077
CB7.3E	TOTABUND	Winter	AP	10697998	-70061	-10	-1120970	0.5904	No trend	0.5519
CB7.3E	TOTABUND	Winter	BP	8837267	-134617	-24	-2153874	0.0339	Decreasing	0.9711
CB7.3E	TOTBMASS	Winter	AP	397645311	-1835503	-7	-29368040	0.8742	No trend	0.9350
CB7.3E	TOTBMASS	Winter	BP	304106808	-9343775	-49	-149500398	0.2678	No trend	0.1802
CB7.4	CHLORO	Annual	AP	1165	30	43	502	0.0012	Improving	0.7730
CB7.4	CHLORO	Annual	BP	3165	37	20	622	0.0004	Improving	0.4057
CB7.4	CHLORO_C	Annual	AP	29864	731	42	12420	0.0016	Improving	0.6370
CB7.4	CHLORO_C	Annual	BP	71019	5639	135	95864	0.0002	Improving	0.3921
CB7.4	CRYPTO	Annual	AP	407485	4205	18	71481	0.4475	No trend	0.1547
CB7.4	CRYPTO	Annual	BP	357755	6784	32	115328	0.1068	No trend	0.3077
CB7.4	CRYPTO_C	Annual	AP	9783715	100803	18	1713643	0.4475	No trend	0.1547
CB7.4	CRYPTO_C	Annual	BP	8589704	158079	31	2687340	0.1287	No trend	0.3259
CB7.4	CYANO	Annual	AP	1283	2338	3099	39740	<0.0001	Degrading	0.5410
CB7.4	CYANO	Annual	BP	1512	1192	1340	20267	<0.0001	Degrading	0.8317
CB7.4	CYANO_C	Annual	AP	15299	12617	1402	214484	<0.0001	Degrading	0.7085
CB7.4	CYANO_C	Annual	BP	10782	8556	1349	145458	<0.0001	Degrading	0.8173
CB7.4	DIATOM	Annual	AP	1325235	68204	87	1159472	0.0031	Improving	0.2146
CB7.4	DIATOM	Annual	BP	1411118	64752	78	1100776	0.0006	Improving	0.1578
CB7.4	DIATOM_C	Annual	AP	105674717	8089247	130	137517206	0.0003	Improving	0.1605
CB7.4	DIATOM_C	Annual	BP	160268358	9088207	96	154499518	0.0001	Improving	0.3428
CB7.4	DINOFL_C	Annual	AP	19896541	1043879	89	17745941	0.0034	Degrading	0.4372
CB7.4	DINOFL_C	Annual	BP	11937512	56725	8	964317	0.6655	No trend	0.4828
CB7.4	DINOFLG	Annual	AP	41636	5012	205	85210	0.0023	Degrading	0.2848
CB7.4	DINOFLG	Annual	BP	49612	264	9	4484	0.6402	No trend	0.0896
CB7.4	EVENNESS	Annual	AP	0.46	0.01	36.96	0.17	<0.0001	Improving	0.9218
CB7.4	EVENNESS	Annual	BP	0.52	0.01	32.69	0.17	<0.0001	Improving	0.2711
CB7.4	MARGALEF	Annual	AP	3.01	-0.02	-11.30	-0.34	0.0069	Degrading	0.9507
CB7.4	MARGALEF	Annual	BP	3.10	-0.01	-5.48	-0.17	0.0947	No trend	0.0560
CB7.4	N_GENERA	Annual	AP	34.50	0.00	0.00	0.00	0.6472	No trend	0.8099
CB7.4	N_GENERA	Annual	BP	35.25	0.00	0.00	0.00	0.8415	No trend	0.2683
CB7.4	N_SP	Annual	AP	44.50	-0.17	-6.49	-2.89	0.0936	No trend	0.7790
CB7.4	N_SP	Annual	BP	45.25	-0.14	-5.26	-2.38	0.2497	No trend	0.1650
CB7.4	PROCAR_C	Annual	AP	0.00	0.00		0.00	<0.0001	No change	0.7655
CB7.4	PROCAR_C	Annual	BP	0.00	0.00		0.00	<0.0001	No change	0.6768
CB7.4	PROCARY	Annual	AP	0.00	0.00		0.00	<0.0001	No change	0.7434
CB7.4	PROCARY	Annual	BP	0.00	0.00		0.00	<0.0001	No change	0.8886
CB7.4	RATIO	Annual	AP	57.78	1.32	38.84	22.44	0.0457	Improving	0.4942
CB7.4	RATIO	Annual	BP	75.70	0.06	1.35	1.02	0.9348	No trend	0.4094
CB7.4	SHANNON	Annual	AP	2.43	0.04	27.98	0.68	<0.0001	Improving	0.9654
CB7.4	SHANNON	Annual	BP	2.82	0.04	24.11	0.68	<0.0001	Improving	0.2504
CB7.4	TOTABUND	Annual	AP	2267717	98728	74	1678368	0.0014	Increasing	0.9053
CB7.4	TOTABUND	Annual	BP	2073701	84492	69	1436359	0.0021	Increasing	0.3782
CB7.4	TOTBMASS	Annual	AP	144334833	11646340	137	197987782	0.0008	Increasing	0.3431
CB7.4	TOTBMASS	Annual	BP	184540066	8575333	79	145780654	0.0036	Increasing	0.4347
CB7.4	CHLORO	Fall	AP	4203	146	59	2485	0.0205	Improving	0.4272
CB7.4	CHLORO	Fall	BP	0	0		0	0.0065	No change	0.5979
CB7.4	CHLORO_C	Fall	AP	95404	25193	449	428279	0.0140	Improving	0.2034
CB7.4	CHLORO_C	Fall	BP	0	0		0	0.0132	No change	0.7007
CB7.4	CRYPTO	Fall	AP	618777	-9286	-26	-157855	0.2253	No trend	0.4581

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB7.4	CRYPTO	Fall	BP	424614	-3585	-14	-60943	0.6213	No trend	0.3679
CB7.4	CRYPTO_C	Fall	AP	14856824	-222947	-26	-3790095	0.2253	No trend	0.4581
CB7.4	CRYPTO_C	Fall	BP	10194976	-86074	-14	-1463253	0.6213	No trend	0.3679
CB7.4	CYANO	Fall	AP	0	1598		27168	0.0086	Degrading	0.3037
CB7.4	CYANO	Fall	BP	648	2605	6834	44282	0.0001	Degrading	0.9037
CB7.4	CYANO_C	Fall	AP	0	7905		134377	0.0099	Degrading	0.4454
CB7.4	CYANO_C	Fall	BP	4925	17755	6129	301831	<0.0001	Degrading	0.8372
CB7.4	DIATOM	Fall	AP	856720	105272	209	1789626	0.0012	Improving	0.6550
CB7.4	DIATOM	Fall	BP	1189858	103801	148	1764623	0.0003	Improving	0.8724
CB7.4	DIATOM_C	Fall	AP	64732251	11781650	309	200288057	0.0017	Improving	0.4462
CB7.4	DIATOM_C	Fall	BP	129697696	12407467	163	210926932	0.0047	Improving	0.3864
CB7.4	DINOFL_C	Fall	AP	15852750	495305	53	8420177	0.3691	No trend	0.1545
CB7.4	DINOFL_C	Fall	BP	6983332	-626214	-152	-10645633	0.3232	No trend	0.2870
CB7.4	DINOFLG	Fall	AP	83908	955	19	16240	0.7532	No trend	0.4108
CB7.4	DINOFLG	Fall	BP	43506	-937	-37	-15930	0.3935	No trend	0.3729
CB7.4	EVENNESS	Fall	AP	0.43	0.01	39.53	0.17	0.0030	Improving	0.4668
CB7.4	EVENNESS	Fall	BP	0.50	0.01	34.00	0.17	0.0023	Improving	0.8393
CB7.4	MARGALEF	Fall	AP	3.18	-0.02	-10.69	-0.34	0.2430	No trend	0.7750
CB7.4	MARGALEF	Fall	BP	2.47	0.00	0.00	0.00	0.9284	No trend	0.3005
CB7.4	N_GENERA	Fall	AP	35.50	0.10	4.79	1.70	0.4036	No trend	0.7161
CB7.4	N_GENERA	Fall	BP	32.75	0.09	4.67	1.53	0.5569	No trend	0.4536
CB7.4	N_SP	Fall	AP	48.25	-0.13	-4.58	-2.21	0.4849	No trend	0.6961
CB7.4	N_SP	Fall	BP	37.50	0.13	5.89	2.21	0.7528	No trend	0.3999
CB7.4	PROCAR_C	Fall	AP	0.00	0.00		0.00	0.0168	No change	0.3358
CB7.4	PROCAR_C	Fall	BP	0.00	0.00		0.00	<0.0001	No change	0.5974
CB7.4	PROCARY	Fall	AP	0.00	0.00		0.00	0.0129	No change	0.2923
CB7.4	PROCARY	Fall	BP	0.00	0.00		0.00	0.0006	No change	0.8862
CB7.4	RATIO	Fall	AP	49.67	2.60	88.99	44.20	0.0311	Improving	0.1032
CB7.4	RATIO	Fall	BP	71.28	-0.32	-7.63	-5.44	0.7876	No trend	0.0779
CB7.4	SHANNON	Fall	AP	2.39	0.05	35.56	0.85	0.0278	Improving	0.5457
CB7.4	SHANNON	Fall	BP	2.60	0.05	32.69	0.85	0.0070	Improving	0.6387
CB7.4	TOTABUND	Fall	AP	1957014	122178	106	2077027	0.0195	Increasing	0.9865
CB7.4	TOTABUND	Fall	BP	1973233	111719	96	1899215	0.0135	Increasing	0.9859
CB7.4	TOTBMASS	Fall	AP	116554068	12446903	182	211597346	0.0195	Increasing	0.1612
CB7.4	TOTBMASS	Fall	BP	160295913	9911559	105	168496507	0.1059	No trend	0.2589
CB7.4	CHLORO	SAV1	AP	8294	55	11	933	0.0284	Improving	0.9071
CB7.4	CHLORO	SAV1	BP	3770	9	4	145	0.0220	Improving	0.6935
CB7.4	CHLORO_C	SAV1	AP	186615	1279	12	21744	0.0336	Improving	0.7796
CB7.4	CHLORO_C	SAV1	BP	84825	877	18	14910	0.0102	Improving	0.8427
CB7.4	CRYPTO	SAV1	AP	485351	1140	4	19386	0.8559	No trend	0.9162
CB7.4	CRYPTO	SAV1	BP	286157	7040	42	119680	0.3637	No trend	0.5030
CB7.4	CRYPTO_C	SAV1	AP	11653266	27379	4	465450	0.8559	No trend	0.9162
CB7.4	CRYPTO_C	SAV1	BP	6870630	169030	42	2873517	0.3815	No trend	0.5152
CB7.4	CYANO	SAV1	AP	0	5847		99392	<0.0001	Degrading	0.4870
CB7.4	CYANO	SAV1	BP	1296	1864	2445	31693	0.0004	Degrading	0.6202
CB7.4	CYANO_C	SAV1	AP	0	25015		425255	<0.0001	Degrading	0.5727
CB7.4	CYANO_C	SAV1	BP	9850	13322	2299	226478	0.0001	Degrading	0.4279
CB7.4	DIATOM	SAV1	AP	1040970	82033	134	1394558	0.0199	Improving	0.1306
CB7.4	DIATOM	SAV1	BP	1567867	67840	74	1153277	0.0115	Improving	0.0600
CB7.4	DIATOM_C	SAV1	AP	103280703	9833590	162	167171034	0.0166	Improving	0.0889
CB7.4	DIATOM_C	SAV1	BP	212301905	4741405	38	80603892	0.1329	No trend	0.3622
CB7.4	DINOFL_C	SAV1	AP	24451316	1188028	83	20196480	0.0071	Degrading	0.2565
CB7.4	DINOFL_C	SAV1	BP	23070971	-498517	-37	-8474781	0.2155	No trend	0.4398
CB7.4	DINOFLG	SAV1	AP	82640	5186	107	88164	0.0152	Degrading	0.2857
CB7.4	DINOFLG	SAV1	BP	66777	-804	-20	-13661	0.3725	No trend	0.4476
CB7.4	EVENNESS	SAV1	AP	0.39	0.01	43.59	0.17	0.0003	Improving	0.6506
CB7.4	EVENNESS	SAV1	BP	0.55	0.01	30.91	0.17	0.0002	Improving	0.3887
CB7.4	MARGALEF	SAV1	AP	2.86	-0.02	-11.89	-0.34	0.1021	No trend	0.9039
CB7.4	MARGALEF	SAV1	BP	3.28	-0.03	-15.55	-0.51	0.0095	Degrading	0.6749
CB7.4	N_GENERA	SAV1	AP	33.50	0.00	0.00	0.00	0.8553	No trend	0.7139

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB7.4	N_GENERA	SAV1	BP	38.00	-0.14	-6.26	-2.38	0.3113	No trend	0.8061
CB7.4	N_SP	SAV1	AP	43.00	-0.04	-1.58	-0.68	0.6308	No trend	0.7728
CB7.4	N_SP	SAV1	BP	48.50	-0.38	-13.32	-6.46	0.0230	Degrading	0.7968
CB7.4	PROCAR_C	SAV1	AP	0.00	0.00		0.00	<0.0001	No change	0.7806
CB7.4	PROCAR_C	SAV1	BP	0.00	0.00		0.00	0.0002	No change	0.3626
CB7.4	PROCARY	SAV1	AP	0.00	0.00		0.00	<0.0001	No change	0.7829
CB7.4	PROCARY	SAV1	BP	0.00	0.00		0.00	0.0010	No change	0.8061
CB7.4	RATIO	SAV1	AP	55.22	1.11	34.17	18.87	0.3466	No trend	0.5279
CB7.4	RATIO	SAV1	BP	76.61	-1.73	-38.39	-29.41	0.0668	No trend	0.7972
CB7.4	SHANNON	SAV1	AP	2.19	0.04	31.05	0.68	0.0006	Improving	0.8254
CB7.4	SHANNON	SAV1	BP	2.93	0.04	23.21	0.68	0.0053	Improving	0.3064
CB7.4	TOTABUND	SAV1	AP	2169684	125762	99	2137954	0.0105	Increasing	0.7522
CB7.4	TOTABUND	SAV1	BP	2641756	72022	46	1224380	0.0533	No trend	0.3829
CB7.4	TOTBMASS	SAV1	AP	167857098	11564294	117	196592998	0.0533	No trend	0.2039
CB7.4	TOTBMASS	SAV1	BP	249793166	2925848	20	49739420	0.4776	No trend	0.6968
CB7.4	CHLORO	SAV2	AP	7354	3	1	54	0.1374	No trend	0.8371
CB7.4	CHLORO	SAV2	BP	3175	58	31	979	0.0057	Improving	0.7498
CB7.4	CHLORO_C	SAV2	AP	166196	0	0	0	0.2158	No trend	0.8199
CB7.4	CHLORO_C	SAV2	BP	71438	14642	348	248913	0.0017	Improving	0.6572
CB7.4	CRYPTO	SAV2	AP	331776	-1622	-8	-27567	0.8559	No trend	0.9943
CB7.4	CRYPTO	SAV2	BP	286157	10447	62	177600	0.0189	Increasing	0.5339
CB7.4	CRYPTO_C	SAV2	AP	7965942	-38934	-8	-661880	0.8559	No trend	0.9943
CB7.4	CRYPTO_C	SAV2	BP	6870630	252724	63	4296303	0.0241	Increasing	0.5345
CB7.4	CYANO	SAV2	AP	2341	3429	2490	58289	<0.0001	Degrading	0.2704
CB7.4	CYANO	SAV2	BP	1296	603	791	10245	0.0008	Degrading	0.8248
CB7.4	CYANO_C	SAV2	AP	31344	19787	1073	336385	<0.0001	Degrading	0.3821
CB7.4	CYANO_C	SAV2	BP	9850	6092	1051	103562	0.0004	Degrading	0.8061
CB7.4	DIATOM	SAV2	AP	1601906	61020	65	1037336	0.0648	No trend	0.1869
CB7.4	DIATOM	SAV2	BP	1313331	63588	82	1080991	0.0070	Improving	0.0699
CB7.4	DIATOM_C	SAV2	AP	120360826	4663528	66	79279980	0.0527	No trend	0.1863
CB7.4	DIATOM_C	SAV2	BP	126485967	8002608	108	136044328	0.0049	Improving	0.2685
CB7.4	DINOFL_C	SAV2	AP	19277011	863769	76	14684079	0.1021	No trend	0.2686
CB7.4	DINOFL_C	SAV2	BP	21205374	-19080	-2	-324366	0.9276	No trend	0.2646
CB7.4	DINOFLG	SAV2	AP	45228	4985	187	84748	0.0214	Degrading	0.0856
CB7.4	DINOFLG	SAV2	BP	47284	938	34	15944	0.4401	No trend	0.0485
CB7.4	EVENNESS	SAV2	AP	0.48	0.01	35.42	0.17	<0.0001	Improving	0.9008
CB7.4	EVENNESS	SAV2	BP	0.51	0.01	33.33	0.17	0.0002	Improving	0.5157
CB7.4	MARGALEF	SAV2	AP	3.20	-0.03	-15.94	-0.51	0.0142	Degrading	0.7697
CB7.4	MARGALEF	SAV2	BP	3.28	-0.03	-15.55	-0.51	0.0101	Degrading	0.0661
CB7.4	N_GENERA	SAV2	AP	35.00	-0.08	-3.89	-1.36	0.4473	No trend	0.6771
CB7.4	N_GENERA	SAV2	BP	35.50	0.00	0.00	0.00	0.6050	No trend	0.0791
CB7.4	N_SP	SAV2	AP	48.50	-0.25	-8.76	-4.25	0.0919	No trend	0.4881
CB7.4	N_SP	SAV2	BP	48.50	-0.25	-8.76	-4.25	0.0636	No trend	0.1168
CB7.4	PROCAR_C	SAV2	AP	0.00	0.00		0.00	0.0001	No change	0.5968
CB7.4	PROCAR_C	SAV2	BP	0.00	0.00		0.00	0.0020	No change	0.7982
CB7.4	PROCARY	SAV2	AP	0.00	0.00		0.00	0.0001	No change	0.6007
CB7.4	PROCARY	SAV2	BP	0.00	0.00		0.00	0.0016	No change	0.8321
CB7.4	RATIO	SAV2	AP	68.87	0.26	6.42	4.42	0.7164	No trend	0.8484
CB7.4	RATIO	SAV2	BP	82.55	-0.39	-8.03	-6.63	0.6068	No trend	0.3175
CB7.4	SHANNON	SAV2	AP	2.59	0.04	26.25	0.68	0.0002	Improving	0.7775
CB7.4	SHANNON	SAV2	BP	2.82	0.04	24.11	0.68	0.0015	Improving	0.2379
CB7.4	TOTABUND	SAV2	AP	2178112	96236	75	1636019	0.0395	Increasing	0.5628
CB7.4	TOTABUND	SAV2	BP	1963499	116515	101	1980759	0.0030	Increasing	0.3228
CB7.4	TOTBMASS	SAV2	AP	165136167	6134515	63	104286754	0.1301	No trend	0.4399
CB7.4	TOTBMASS	SAV2	BP	161714544	7305630	77	124195716	0.0168	Increasing	0.2371
CB7.4	CHLORO	Spring1	AP	0	38		609	0.2058	No trend	0.8504
CB7.4	CHLORO	Spring1	BP	8295	41	8	662	0.4170	No trend	0.6641
CB7.4	CHLORO_C	Spring1	AP	0	557		8910	0.2249	No trend	0.9311
CB7.4	CHLORO_C	Spring1	BP	186626	4647	40	74348	0.2645	No trend	0.7736
CB7.4	CRYPTO	Spring1	AP	485351	3409	11	54549	0.7243	No trend	0.6693

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB7.4	CRYPTO	Spring1	BP	543056	1016	3	16261	0.9197	No trend	0.5625
CB7.4	CRYPTO_C	Spring1	AP	11653266	77150	11	1234407	0.7243	No trend	0.6693
CB7.4	CRYPTO_C	Spring1	BP	13038775	39225	5	627601	0.9598	No trend	0.6032
CB7.4	CYANO	Spring1	AP	0	4547		72754	0.0145	Degrading	0.5458
CB7.4	CYANO	Spring1	BP	8295	3075	593	49203	0.0557	No trend	0.3397
CB7.4	CYANO_C	Spring1	AP	0	25930		414888	0.0253	Degrading	0.7758
CB7.4	CYANO_C	Spring1	BP	254061	13958	88	223335	0.0559	No trend	0.5641
CB7.4	DIATOM	Spring1	AP	4153398	-18118	-7	-289889	0.8011	No trend	0.5143
CB7.4	DIATOM	Spring1	BP	4180143	-17762	-7	-284188	0.6869	No trend	0.4072
CB7.4	DIATOM_C	Spring1	AP	182169765	-1324122	-12	-21185944	0.7624	No trend	0.8450
CB7.4	DIATOM_C	Spring1	BP	264239337	-4286309	-26	-68580938	0.5795	No trend	0.9482
CB7.4	DINOFL_C	Spring1	AP	25722272	1331188	83	21299011	0.0303	Degrading	0.4160
CB7.4	DINOFL_C	Spring1	BP	47242044	79131	3	1266090	0.9598	No trend	0.2339
CB7.4	DINOFLG	Spring1	AP	82640	7587	147	121389	0.0494	Degrading	0.2072
CB7.4	DINOFLG	Spring1	BP	128211	966	12	15457	0.8011	No trend	0.2321
CB7.4	EVENNESS	Spring1	AP	0.34	0.01	47.06	0.16	0.0102	Improving	0.5017
CB7.4	EVENNESS	Spring1	BP	0.55	0.01	29.09	0.16	0.0003	Improving	0.8006
CB7.4	MARGALEF	Spring1	AP	2.86	-0.01	-5.59	-0.16	0.2677	No trend	0.5538
CB7.4	MARGALEF	Spring1	BP	3.33	-0.02	-9.61	-0.32	0.0779	No trend	0.7633
CB7.4	N_GENERA	Spring1	AP	33.50	0.00	0.00	0.00	0.9597	No trend	0.2755
CB7.4	N_GENERA	Spring1	BP	38.00	-0.12	-5.05	-1.92	0.5102	No trend	0.9376
CB7.4	N_SP	Spring1	AP	42.00	0.00	0.00	0.00	0.8003	No trend	0.5733
CB7.4	N_SP	Spring1	BP	49.50	-0.41	-13.25	-6.56	0.0420	Degrading	0.8577
CB7.4	PROCAR_C	Spring1	AP	0.00	0.00		0.00	0.0221	No change	0.6846
CB7.4	PROCAR_C	Spring1	BP	0.00	0.00		0.00	0.0559	No trend	0.6911
CB7.4	PROCARY	Spring1	AP	0.00	0.00		0.00	0.0145	No change	0.6844
CB7.4	PROCARY	Spring1	BP	0.00	0.00		0.00	0.0440	No change	0.4639
CB7.4	RATIO	Spring1	AP	55.08	-0.37	-10.75	-5.92	0.8011	No trend	0.7694
CB7.4	RATIO	Spring1	BP	76.61	-1.73	-36.13	-27.68	0.3385	No trend	0.4375
CB7.4	SHANNON	Spring1	AP	1.82	0.05	43.96	0.80	0.0065	Improving	0.6676
CB7.4	SHANNON	Spring1	BP	3.10	0.05	25.81	0.80	0.0035	Improving	0.6289
CB7.4	TOTABUND	Spring1	AP	5884170	82463	22	1319414	0.4202	No trend	0.7372
CB7.4	TOTABUND	Spring1	BP	5459439	-20240	-6	-323834	0.7624	No trend	0.9018
CB7.4	TOTBMASS	Spring1	AP	238991656	589659	4	9434548	0.9197	No trend	0.7821
CB7.4	TOTBMASS	Spring1	BP	340227198	-4210895	-20	-67374312	0.7243	No trend	0.7332
CB7.4	CHLORO	Spring2	AP	3590	126	56	2008	0.2602	No trend	0.8361
CB7.4	CHLORO	Spring2	BP	8	3633	726526	58122	0.0116	Improving	0.3831
CB7.4	CHLORO_C	Spring2	AP	80775	1580	31	25272	0.3061	No trend	0.9102
CB7.4	CHLORO_C	Spring2	BP	91	64879	1136241	1038070	0.0055	Improving	0.3157
CB7.4	CRYPTO	Spring2	AP	483194	-406	-1	-6495	0.9598	No trend	0.9334
CB7.4	CRYPTO	Spring2	BP	543056	4429	13	70869	0.5967	No trend	0.2585
CB7.4	CRYPTO_C	Spring2	AP	11601488	-9746	-1	-155942	0.9598	No trend	0.9334
CB7.4	CRYPTO_C	Spring2	BP	13038775	106348	13	1701573	0.5967	No trend	0.2585
CB7.4	CYANO	Spring2	AP	37696	4535	192	72559	0.0125	Degrading	0.5620
CB7.4	CYANO	Spring2	BP	1728	480	444	7680	0.0737	No trend	0.4070
CB7.4	CYANO_C	Spring2	AP	56544	46137	1306	738187	0.0093	Degrading	0.7525
CB7.4	CYANO_C	Spring2	BP	5388	3973	1180	63568	0.0359	Degrading	0.4035
CB7.4	DIATOM	Spring2	AP	1048563	-22539	-34	-360618	0.6503	No trend	0.4792
CB7.4	DIATOM	Spring2	BP	2360765	-12522	-8	-200355	0.6144	No trend	0.4829
CB7.4	DIATOM_C	Spring2	AP	39010979	-1874784	-77	-29996536	0.5795	No trend	0.7744
CB7.4	DIATOM_C	Spring2	BP	231925156	4876416	34	78022654	0.3645	No trend	0.0787
CB7.4	DINOFL_C	Spring2	AP	23229335	1030338	71	16485402	0.2266	No trend	0.7733
CB7.4	DINOFL_C	Spring2	BP	47242044	-133990	-5	-2143836	0.7243	No trend	0.4595
CB7.4	DINOFLG	Spring2	AP	45228	8391	297	134249	0.0389	Degrading	0.1936
CB7.4	DINOFLG	Spring2	BP	126677	3355	42	53683	0.2266	No trend	0.0263
CB7.4	EVENNESS	Spring2	AP	0.34	0.01	47.06	0.16	0.0025	Improving	0.8362
CB7.4	EVENNESS	Spring2	BP	0.41	0.01	39.02	0.16	0.0011	Improving	0.7996
CB7.4	MARGALEF	Spring2	AP	2.98	-0.03	-16.11	-0.48	0.0303	Degrading	0.5526
CB7.4	MARGALEF	Spring2	BP	3.36	-0.03	-14.29	-0.48	0.0102	Degrading	0.8726
CB7.4	N_GENERA	Spring2	AP	33.00	-0.20	-9.70	-3.20	0.2664	No trend	0.4018

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB7.4	N_GENERA	Spring2	BP	38.00	-0.20	-8.42	-3.20	0.1963	No trend	0.7866
CB7.4	N_SP	Spring2	AP	43.00	-0.35	-13.02	-5.60	0.1000	No trend	0.4179
CB7.4	N_SP	Spring2	BP	49.50	-0.50	-16.16	-8.00	0.0111	Degrading	0.9209
CB7.4	PROCAR_C	Spring2	AP	0.00	0.00		0.00	0.0068	No change	0.7491
CB7.4	PROCAR_C	Spring2	BP	0.00	0.00		0.00	0.0211	No change	0.3948
CB7.4	PROCARY	Spring2	AP	0.01	0.00	0.00	0.00	0.0068	No change	0.7531
CB7.4	PROCARY	Spring2	BP	0.00	0.00		0.00	0.0461	No change	0.4606
CB7.4	RATIO	Spring2	AP	51.61	-0.56	-17.36	-8.96	0.6869	No trend	0.7824
CB7.4	RATIO	Spring2	BP	41.64	0.05	1.92	0.80	0.9598	No trend	0.1392
CB7.4	SHANNON	Spring2	AP	1.82	0.04	35.16	0.64	0.0035	Improving	0.8073
CB7.4	SHANNON	Spring2	BP	2.37	0.05	33.76	0.80	0.0076	Improving	0.6719
CB7.4	TOTABUND	Spring2	AP	1346692	27220	32	435520	0.6869	No trend	0.8135
CB7.4	TOTABUND	Spring2	BP	3399953	40382	19	646112	0.3645	No trend	0.1451
CB7.4	TOTBMASS	Spring2	AP	67453397	-13352	-0	-213634	1.0000	No trend	0.7783
CB7.4	TOTBMASS	Spring2	BP	298081160	4755637	26	76090184	0.3918	No trend	0.0568
CB7.4	CHLORO	Summer1	AP	3590	0	0	0	0.2678	No trend	0.5074
CB7.4	CHLORO	Summer1	BP	3770	994	448	16890	0.0172	Improving	0.3621
CB7.4	CHLORO_C	Summer1	AP	80775	0	0	0	0.3224	No trend	0.4830
CB7.4	CHLORO_C	Summer1	BP	84825	38774	777	659157	0.0055	Improving	0.3034
CB7.4	CRYPTO	Summer1	AP	316611	-1610	-9	-27375	0.8924	No trend	0.8882
CB7.4	CRYPTO	Summer1	BP	286157	13788	82	234390	0.0033	Increasing	0.9458
CB7.4	CRYPTO_C	Summer1	AP	7601830	-38663	-9	-657267	0.8924	No trend	0.8882
CB7.4	CRYPTO_C	Summer1	BP	6870630	331041	82	5627695	0.0048	Increasing	0.8849
CB7.4	CYANO	Summer1	AP	5874	55	16	933	0.0166	Degrading	0.2038
CB7.4	CYANO	Summer1	BP	64	896	23800	15232	0.0045	Degrading	0.8329
CB7.4	CYANO_C	Summer1	AP	31413	4069	220	69172	0.0048	Degrading	0.1844
CB7.4	CYANO_C	Summer1	BP	11715	6259	908	106406	0.0045	Degrading	0.7409
CB7.4	DIATOM	Summer1	AP	1601906	80231	85	1363932	0.0665	No trend	0.1186
CB7.4	DIATOM	Summer1	BP	1312813	85659	111	1456201	0.0040	Improving	0.5193
CB7.4	DIATOM_C	Summer1	AP	103280703	5994290	99	101902926	0.0291	Improving	0.0880
CB7.4	DIATOM_C	Summer1	BP	112799668	11711479	177	199095143	0.0004	Improving	0.8513
CB7.4	DINOFL_C	Summer1	AP	17191469	1773830	175	30155103	0.0665	No trend	0.1928
CB7.4	DINOFL_C	Summer1	BP	9790273	431451	75	7334665	0.2237	No trend	0.4929
CB7.4	DINOFLG	Summer1	AP	38045	6275	280	106682	0.0175	Degrading	0.1196
CB7.4	DINOFLG	Summer1	BP	43527	2814	110	47837	0.0488	Degrading	0.1593
CB7.4	EVENNESS	Summer1	AP	0.50	0.01	34.00	0.17	0.0024	Improving	0.7305
CB7.4	EVENNESS	Summer1	BP	0.51	0.01	33.33	0.17	0.0142	Improving	0.2553
CB7.4	MARGALEF	Summer1	AP	3.29	-0.03	-15.50	-0.51	0.0724	No trend	0.4556
CB7.4	MARGALEF	Summer1	BP	3.28	-0.03	-15.55	-0.51	0.0929	No trend	0.0095
CB7.4	N_GENERA	Summer1	AP	36.50	-0.14	-6.52	-2.38	0.3828	No trend	0.6883
CB7.4	N_GENERA	Summer1	BP	35.50	0.00	0.00	0.00	0.9381	No trend	0.0134
CB7.4	N_SP	Summer1	AP	48.50	-0.25	-8.76	-4.25	0.2082	No trend	0.1907
CB7.4	N_SP	Summer1	BP	48.50	-0.17	-5.96	-2.89	0.4162	No trend	0.0305
CB7.4	PROCAR_C	Summer1	AP	0.00	0.00		0.00	0.0176	No change	0.4517
CB7.4	PROCAR_C	Summer1	BP	0.00	0.00		0.00	0.0225	No change	0.5791
CB7.4	PROCARY	Summer1	AP	0.00	0.00		0.00	0.0141	No change	0.4741
CB7.4	PROCARY	Summer1	BP	0.00	0.00		0.00	0.0131	No change	0.6887
CB7.4	RATIO	Summer1	AP	75.55	0.76	17.10	12.92	0.4062	No trend	0.7019
CB7.4	RATIO	Summer1	BP	91.22	0.51	9.50	8.67	0.5239	No trend	0.5205
CB7.4	SHANNON	Summer1	AP	2.81	0.04	24.20	0.68	0.0031	Improving	0.6589
CB7.4	SHANNON	Summer1	BP	2.82	0.04	24.11	0.68	0.0194	Improving	0.0776
CB7.4	TOTABUND	Summer1	AP	2178112	96085	75	1633443	0.1006	No trend	0.3280
CB7.4	TOTABUND	Summer1	BP	1626258	178964	187	3042382	0.0008	Increasing	0.6953
CB7.4	TOTBMASS	Summer1	AP	148958855	12201620	139	207427533	0.0466	Increasing	0.3096
CB7.4	TOTBMASS	Summer1	BP	143948322	14889390	176	253119632	0.0006	Increasing	0.8874
CB7.4	CHLORO	Summer2	AP	5216	0	0	0	0.3228	No trend	0.3128
CB7.4	CHLORO	Summer2	BP	4255	23	9	396	0.1862	No trend	0.6693
CB7.4	CHLORO_C	Summer2	AP	117725	0	0	0	0.3688	No trend	0.2935
CB7.4	CHLORO_C	Summer2	BP	95732	10613	188	180427	0.1020	No trend	0.5859
CB7.4	CRYPTO	Summer2	AP	317508	-3259	-17	-55408	0.7762	No trend	0.7754

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB7.4	CRYPTO	Summer2	BP	261694	11950	78	203144	0.0135	Increasing	0.8402
CB7.4	CRYPTO_C	Summer2	AP	7623373	-78256	-17	-1330352	0.7762	No trend	0.7754
CB7.4	CRYPTO_C	Summer2	BP	6283279	292730	79	4976409	0.0193	Increasing	0.7406
CB7.4	CYANO	Summer2	AP	4107	64	26	1088	0.0350	Degrading	0.1005
CB7.4	CYANO	Summer2	BP	3383	710	357	12077	0.0342	Degrading	0.8598
CB7.4	CYANO_C	Summer2	AP	31379	1356	73	23057	0.0234	Degrading	0.0969
CB7.4	CYANO_C	Summer2	BP	13168	6641	857	112891	0.0427	Degrading	0.8448
CB7.4	DIATOM	Summer2	AP	1617603	115146	121	1957489	0.0171	Improving	0.2232
CB7.4	DIATOM	Summer2	BP	1313072	119114	154	2024945	0.0036	Improving	0.4761
CB7.4	DIATOM_C	Summer2	AP	111820764	10398069	158	176767180	0.0048	Improving	0.2702
CB7.4	DIATOM_C	Summer2	BP	119642817	11409839	162	193967268	0.0048	Improving	0.7995
CB7.4	DINOFL_C	Summer2	AP	15985856	1897184	202	32252131	0.0765	No trend	0.1013
CB7.4	DINOFL_C	Summer2	BP	11299793	487969	73	8295475	0.2839	No trend	0.3008
CB7.4	DINOFLG	Summer2	AP	35839	5619	267	95526	0.0695	No trend	0.0617
CB7.4	DINOFLG	Summer2	BP	45405	1326	50	22545	0.3816	No trend	0.3629
CB7.4	EVENNESS	Summer2	AP	0.51	0.01	33.33	0.17	0.0063	Improving	0.5370
CB7.4	EVENNESS	Summer2	BP	0.54	0.01	31.48	0.17	0.0630	No trend	0.1546
CB7.4	MARGALEF	Summer2	AP	3.33	-0.02	-10.21	-0.34	0.2839	No trend	0.4626
CB7.4	MARGALEF	Summer2	BP	3.23	-0.01	-5.26	-0.17	0.3470	No trend	0.0060
CB7.4	N_GENERA	Summer2	AP	36.75	-0.04	-1.85	-0.68	0.6447	No trend	0.5829
CB7.4	N_GENERA	Summer2	BP	35.00	0.13	6.31	2.21	0.4556	No trend	0.0136
CB7.4	N_SP	Summer2	AP	49.25	-0.14	-4.83	-2.38	0.6454	No trend	0.2291
CB7.4	N_SP	Summer2	BP	47.50	0.00	0.00	0.00	0.9650	No trend	0.0314
CB7.4	PROCAR_C	Summer2	AP	0.00	0.00		0.00	0.0698	No trend	0.3116
CB7.4	PROCAR_C	Summer2	BP	0.00	0.00		0.00	0.1767	No trend	0.9511
CB7.4	PROCARY	Summer2	AP	0.00	0.00		0.00	0.0461	No change	0.2991
CB7.4	PROCARY	Summer2	BP	0.00	0.00		0.00	0.0871	No trend	0.7548
CB7.4	RATIO	Summer2	AP	75.62	1.30	29.23	22.10	0.2839	No trend	0.6527
CB7.4	RATIO	Summer2	BP	108.59	0.13	2.04	2.21	0.9477	No trend	0.5537
CB7.4	SHANNON	Summer2	AP	2.89	0.04	23.53	0.68	0.0071	Improving	0.4661
CB7.4	SHANNON	Summer2	BP	2.92	0.03	17.47	0.51	0.0695	No trend	0.0364
CB7.4	TOTABUND	Summer2	AP	2267717	133397	100	2267755	0.0765	No trend	0.2355
CB7.4	TOTABUND	Summer2	BP	1794878	179762	170	3055956	0.0071	Increasing	0.5350
CB7.4	TOTBMASS	Summer2	AP	157047511	17078710	185	290338067	0.0217	Increasing	0.3499
CB7.4	TOTBMASS	Summer2	BP	147620215	14938359	172	253952103	0.0093	Increasing	0.9754
CB7.4	CHLORO	Winter	AP	96	59	991	951	0.0424	Improving	0.2666
CB7.4	CHLORO	Winter	BP	33178	0	0	0	0.3783	No trend	0.0407
CB7.4	CHLORO_C	Winter	AP	5452	1395	410	22327	0.0570	No trend	0.3223
CB7.4	CHLORO_C	Winter	BP	746494	0	0	0	0.4501	No trend	0.0294
CB7.4	CRYPTO	Winter	AP	149283	34107	366	545707	0.0007	Increasing	0.8795
CB7.4	CRYPTO	Winter	BP	598682	2458	7	39329	0.9032	No trend	0.1142
CB7.4	CRYPTO_C	Winter	AP	3584273	818901	366	13102416	0.0007	Increasing	0.8795
CB7.4	CRYPTO_C	Winter	BP	14374343	59018	7	944294	0.9032	No trend	0.1142
CB7.4	CYANO	Winter	AP	6854	3441	803	55048	0.0087	Degrading	0.3217
CB7.4	CYANO	Winter	BP	25131	19	1	299	0.0138	Degrading	0.2954
CB7.4	CYANO_C	Winter	AP	10281	17849	2778	285583	0.0055	Degrading	0.5113
CB7.4	CYANO_C	Winter	BP	37696	325	14	5208	0.0138	Degrading	0.3596
CB7.4	DIATOM	Winter	AP	2405160	53709	36	859347	0.4658	No trend	0.9287
CB7.4	DIATOM	Winter	BP	3649876	3972	2	63544	0.9515	No trend	0.5042
CB7.4	DIATOM_C	Winter	AP	158903488	21486870	216	343789926	0.0388	Improving	0.5225
CB7.4	DIATOM_C	Winter	BP	195981665	9599433	78	153590920	0.2739	No trend	0.5916
CB7.4	DINOFL_C	Winter	AP	26825696	983568	59	15737087	0.3619	No trend	0.9838
CB7.4	DINOFL_C	Winter	BP	25963841	105518	7	1688291	0.6268	No trend	0.5566
CB7.4	DINOFLG	Winter	AP	26257	5500	335	88005	0.1621	No trend	0.6248
CB7.4	DINOFLG	Winter	BP	50919	-2321	-73	-37130	0.3015	No trend	0.1848
CB7.4	EVENNESS	Winter	AP	0.38	0.01	42.11	0.16	0.0779	No trend	0.3837
CB7.4	EVENNESS	Winter	BP	0.51	0.00	0.00	0.00	0.7153	No trend	0.0367
CB7.4	MARGALEF	Winter	AP	2.47	-0.03	-19.43	-0.48	0.2018	No trend	0.8105
CB7.4	MARGALEF	Winter	BP	2.89	0.00	0.00	0.00	0.7612	No trend	0.2413
CB7.4	N_GENERA	Winter	AP	30.50	-0.17	-8.92	-2.72	0.3760	No trend	0.8465

Appendix E. Continued.

Station	Parameter	Season	Layer	Baseline	Slope	% Change	Absolute	p value	Direction	Homogeniety Test p value
CB7.4	N_GENERA	Winter	BP	34.50	0.00	0.00	0.00	0.6884	No trend	0.8920
CB7.4	N_SP	Winter	AP	37.50	-0.20	-8.53	-3.20	0.2587	No trend	0.9846
CB7.4	N_SP	Winter	BP	45.00	0.00	0.00	0.00	0.7584	No trend	0.4489
CB7.4	PROCAR_C	Winter	AP	0.00	0.00		0.00	0.0096	No change	0.2801
CB7.4	PROCAR_C	Winter	BP	0.00	0.00		0.00	0.0079	No change	0.3314
CB7.4	PROCARY	Winter	AP	0.00	0.00		0.00	0.0066	No change	0.2769
CB7.4	PROCARY	Winter	BP	0.01	0.00	0.00	0.00	0.0138	No change	0.2954
CB7.4	RATIO	Winter	AP	74.24	2.38	51.29	38.08	0.2018	No trend	0.4619
CB7.4	RATIO	Winter	BP	70.95	1.90	42.85	30.40	0.4658	No trend	0.5208
CB7.4	SHANNON	Winter	AP	1.99	0.03	24.12	0.48	0.1008	No trend	0.6172
CB7.4	SHANNON	Winter	BP	2.79	0.02	11.47	0.32	0.5433	No trend	0.0829
CB7.4	TOTABUND	Winter	AP	2613150	100073	61	1601161	0.1140	No trend	0.7677
CB7.4	TOTABUND	Winter	BP	4511375	-13681	-5	-218889	0.8079	No trend	0.3240
CB7.4	TOTBMASS	Winter	AP	189883418	28456758	240	455308128	0.0209	Increasing	0.3829
CB7.4	TOTBMASS	Winter	BP	241628372	5127610	34	82041759	0.6705	No trend	0.9363

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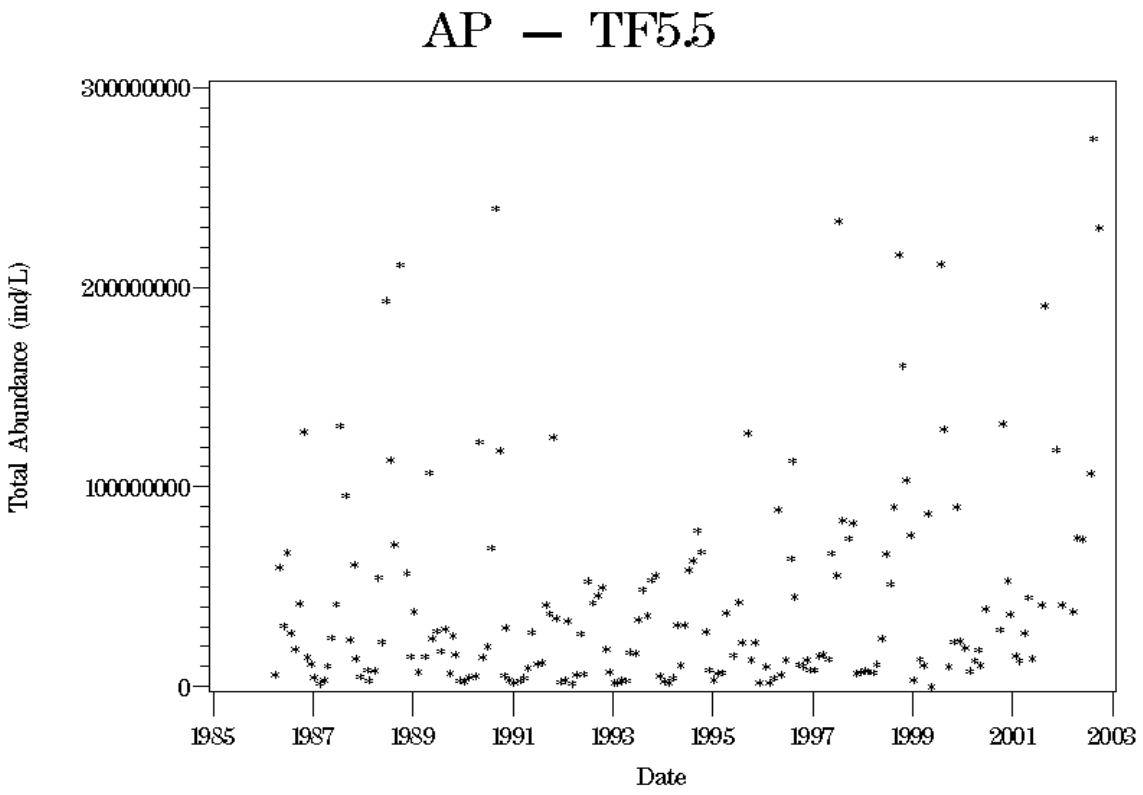
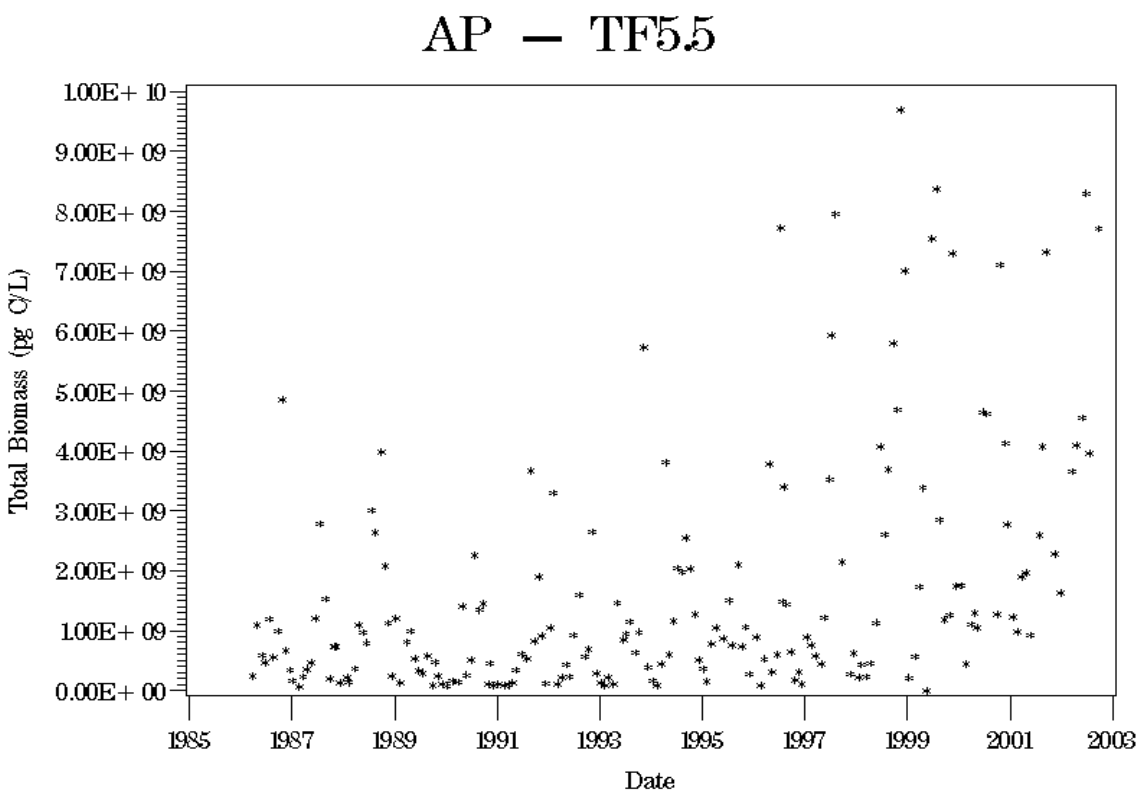


Figure F1. Plot of above pycnocline total phytoplankton abundance against time at station TF5.5 for the period of 1985 through 2002.



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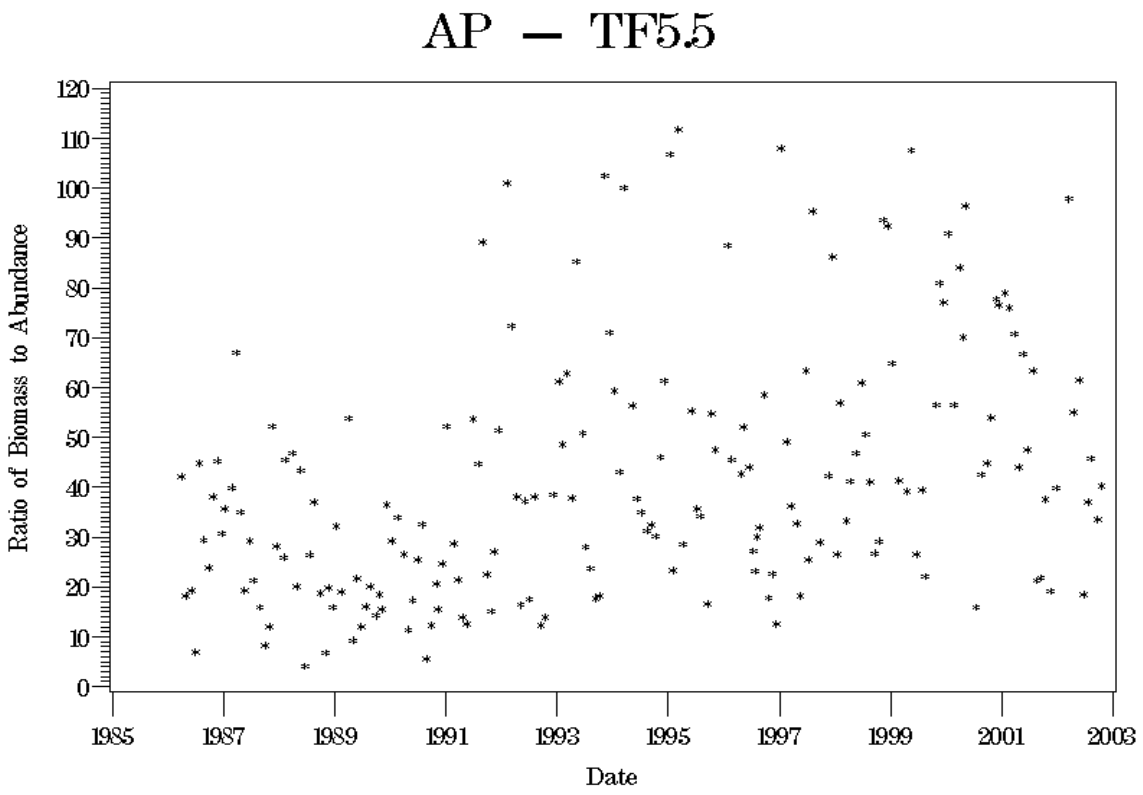

Figure F3. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station TF5.5 for the period of 1985 through 2002.

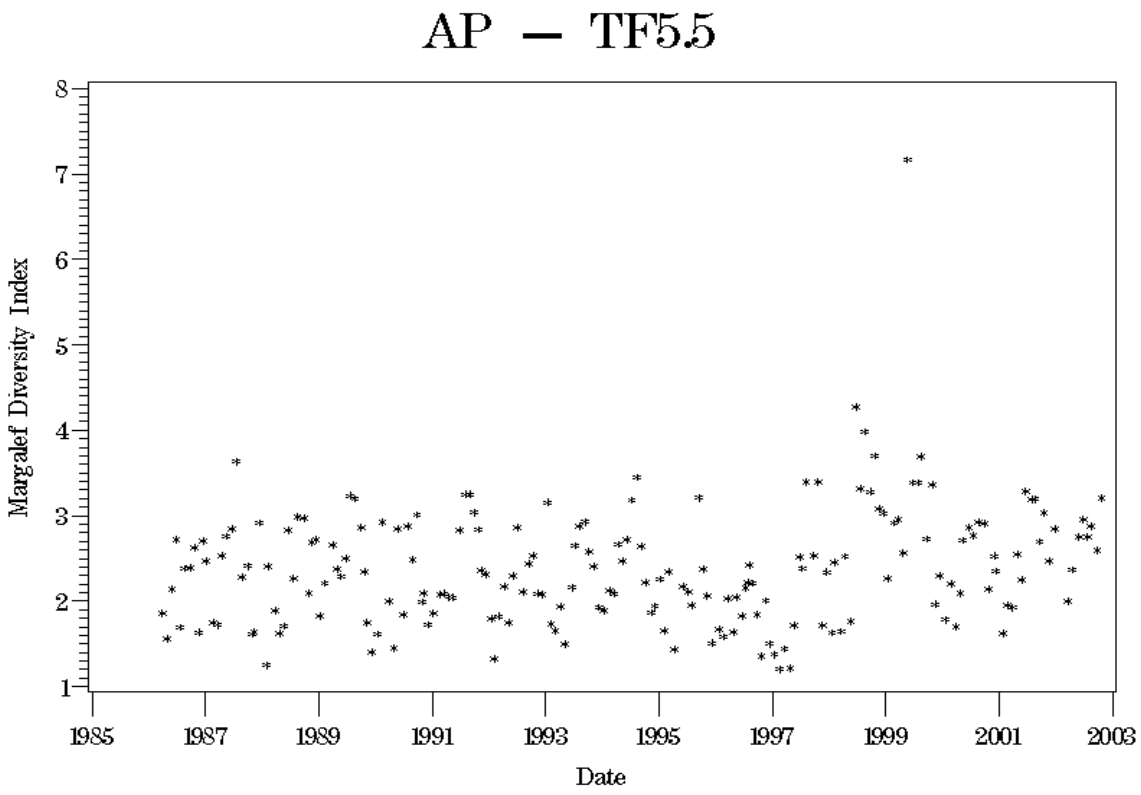

Figure F4. Plot of above pycnocline Margalef diversity index against time at station TF5.5 for the period of 1985 through 2002.

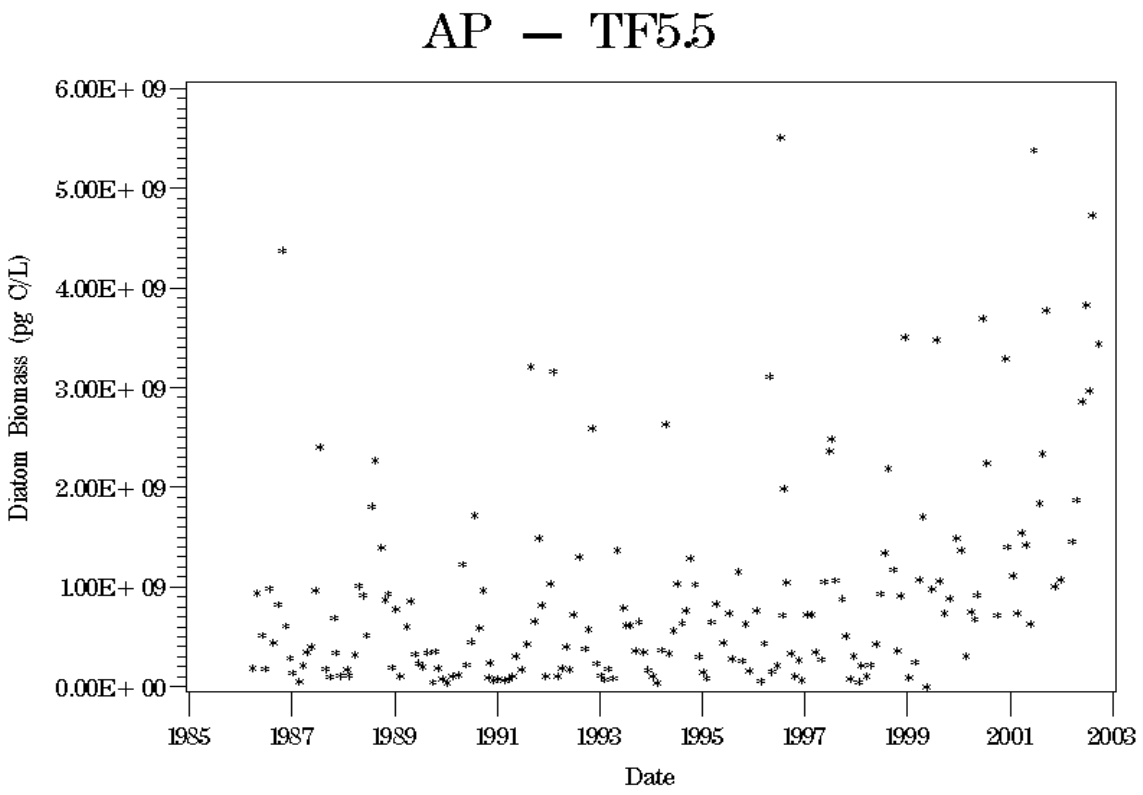

Figure F5. Plot of above pycnocline diatom biomass against time at station TF5.5 for the period of 1985 through 2002.

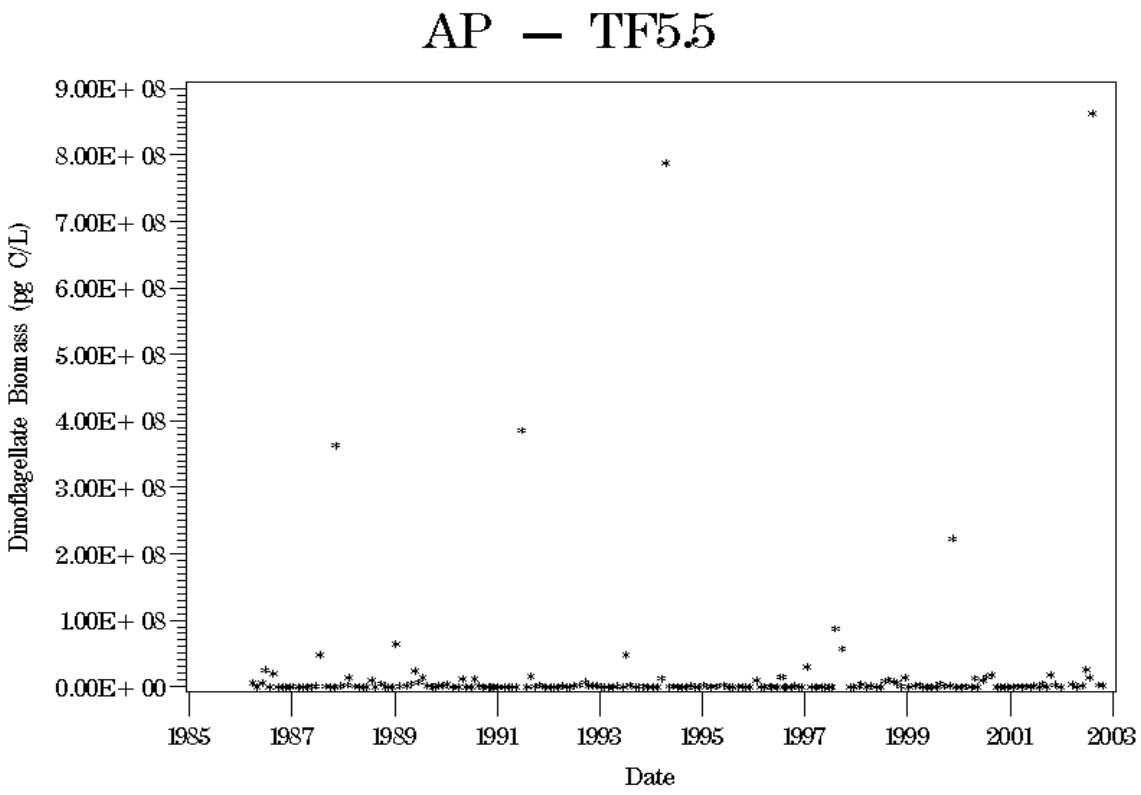

Figure F6. Plot of above pycnocline dinoflagellate biomass against time at station TF5.5 for the period of 1985 through 2002.

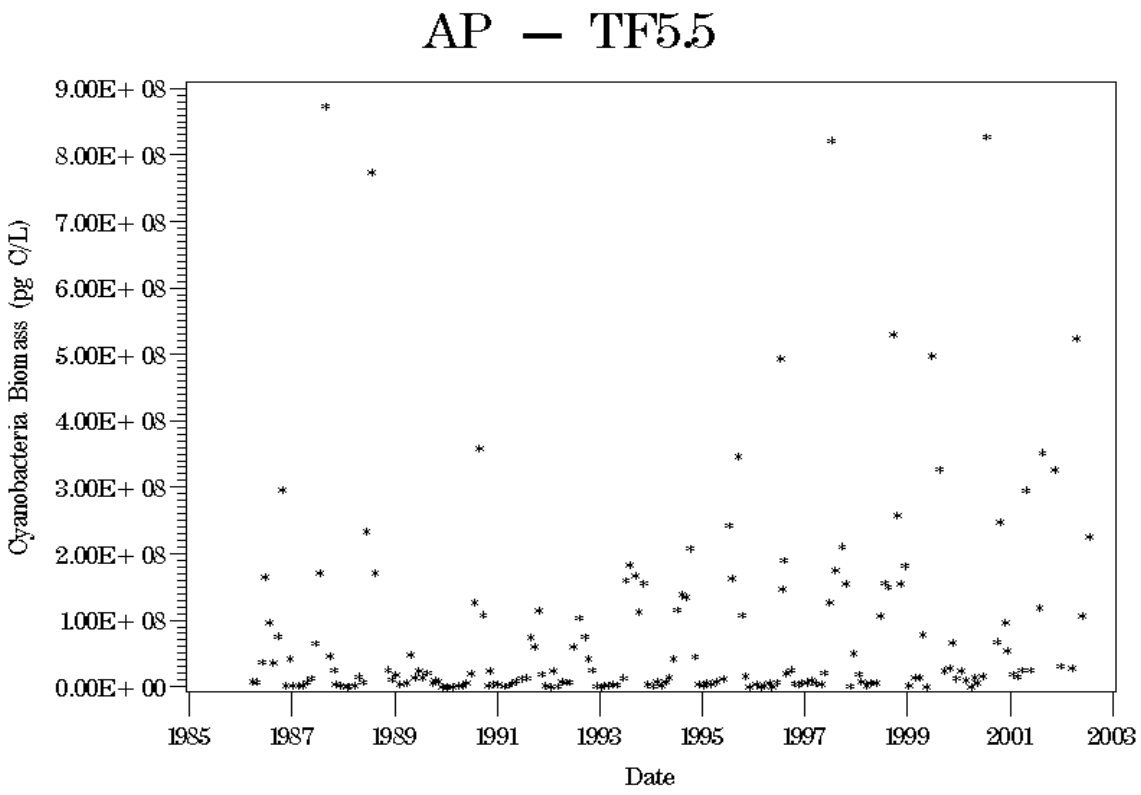

Figure F7. Plot of above pycnocline cyanobacteria biomass against time at station TF5.5 for the period of 1985 through 2002.

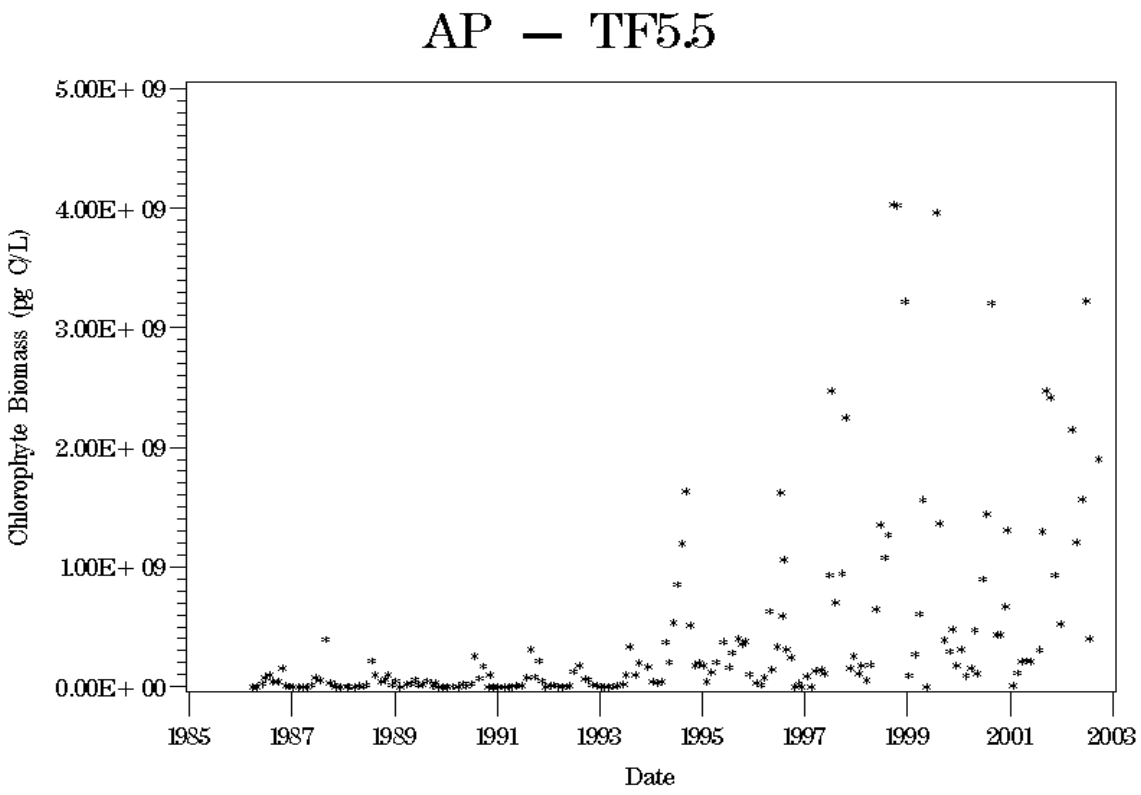

Figure F8. Plot of above pycnocline chlorophyte biomass against time at station TF5.5 for the period of 1985 through 2002.

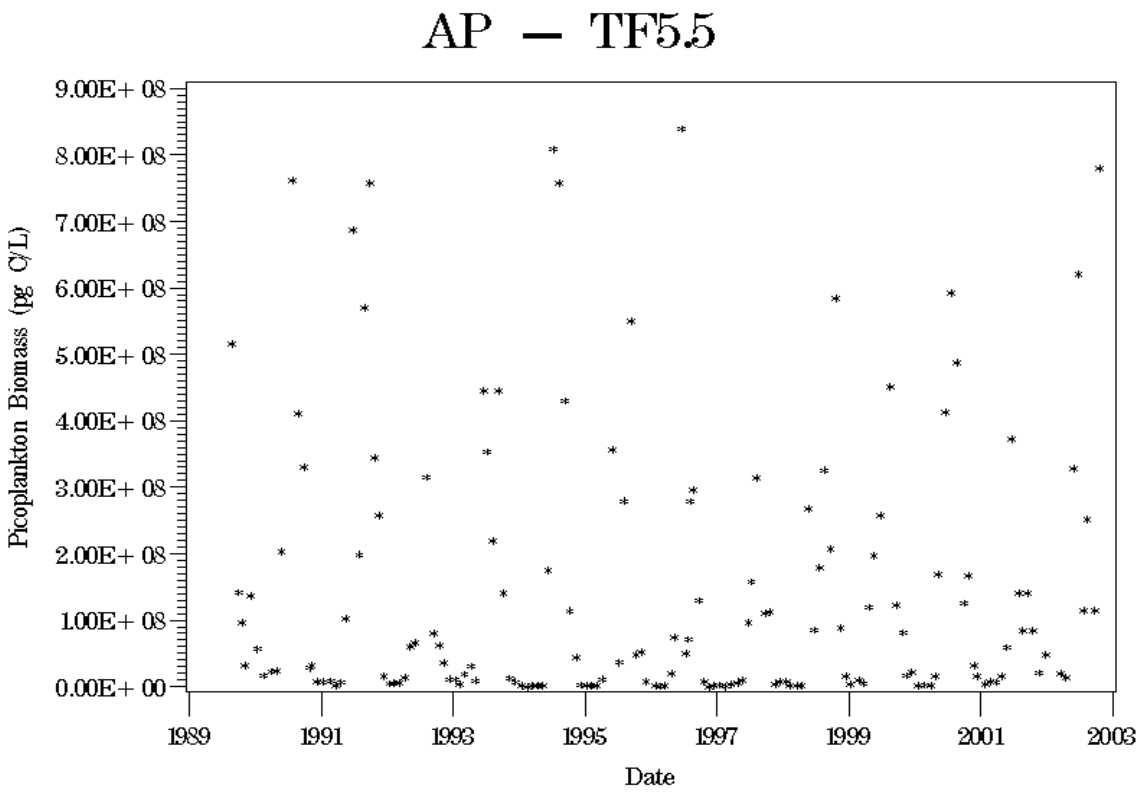

Figure F9. Plot of above pycnocline picoplankton biomass against time at station TF5.5 for the period of 1985 through 2002.

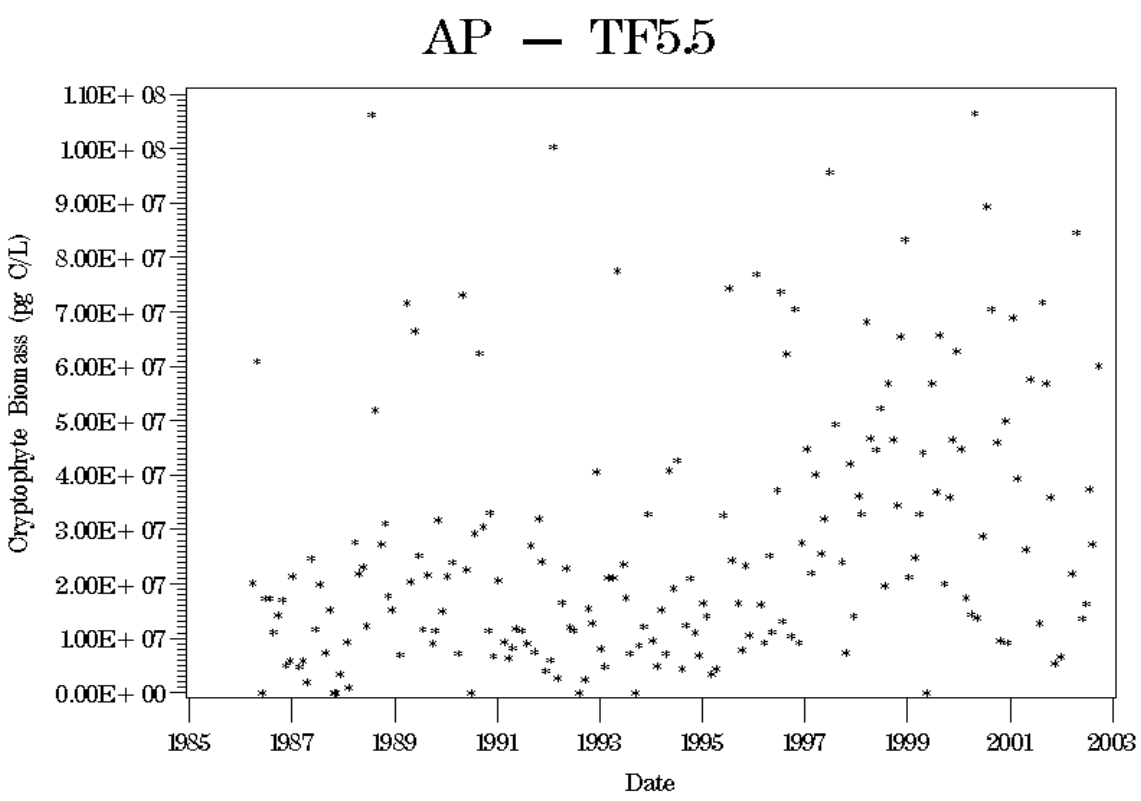

Figure Fl0. Plot of above pycnocline cryptophyte biomass at station TF5.5 for the period of 1985 through 2002.

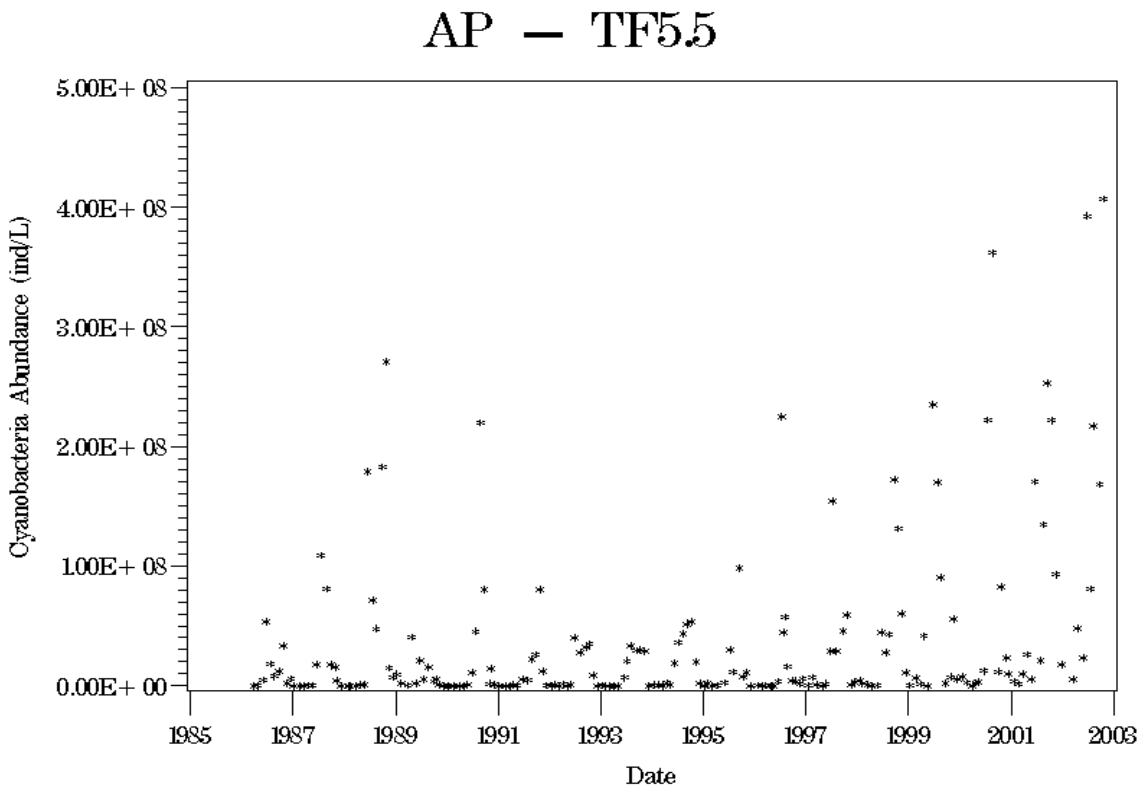

Figure Fl1. Plot of above pycnocline cyanophyte abundance at station TF5.5 for the period of 1985 through 2002.

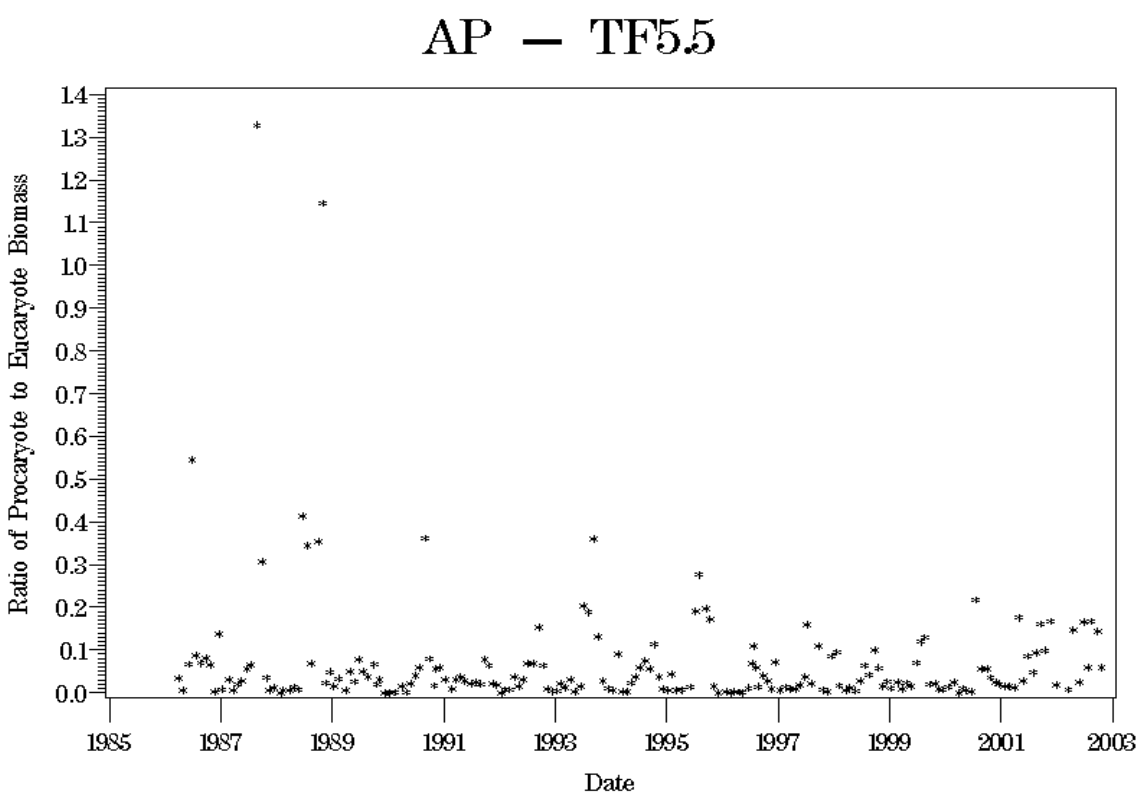

Figure Fl2. Plot of above pycnocline ratio of procaryote to eucaryote biomass at station TF5.5 for the period of 1985 through 2002.

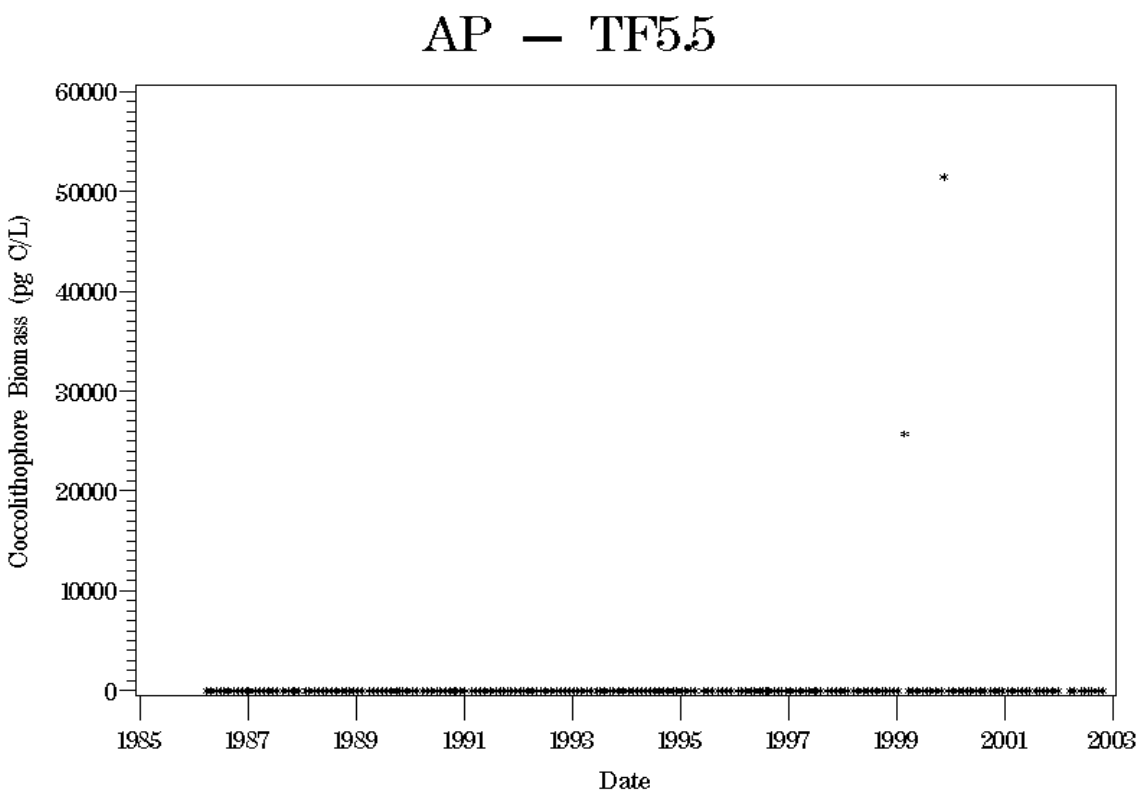

Figure Fl3. Plot of above pycnocline coccolithophore biomass at station TF5.5 for the period of 1985 through 2002.

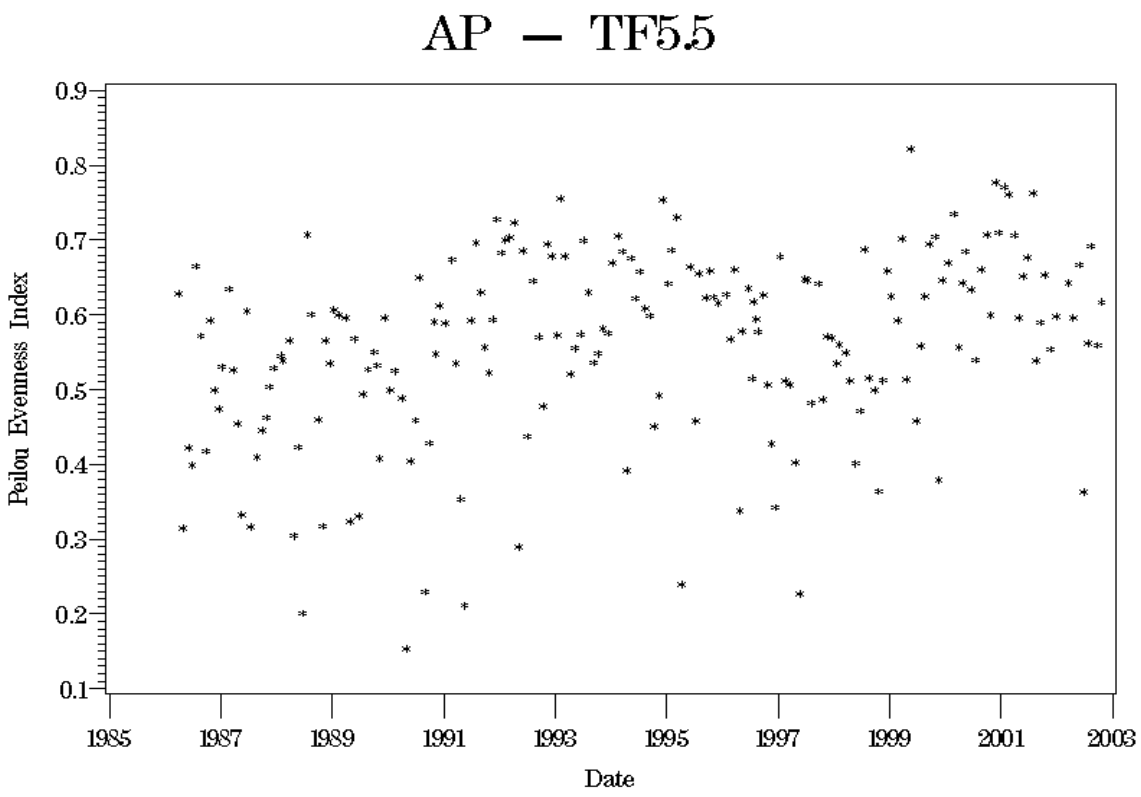

Figure Fl4. Plot of above pycnocline Peilou evenness index at station TF5.5 for the period of 1985 through 2002.

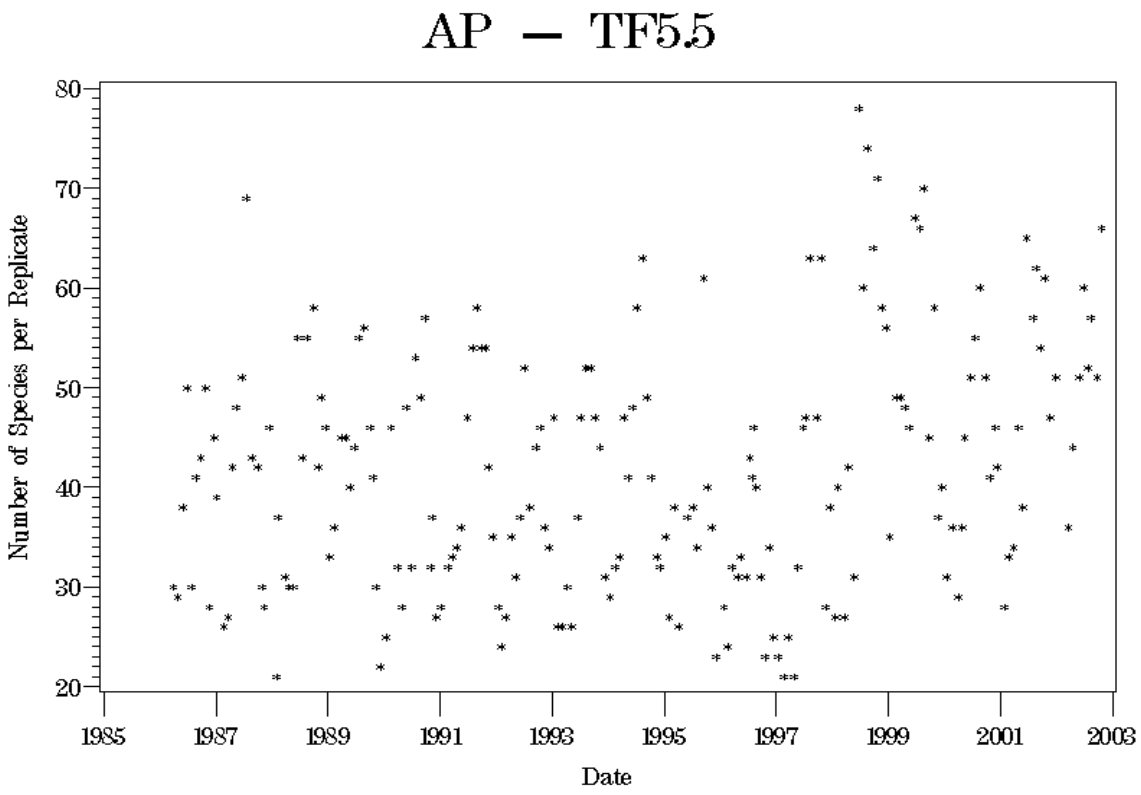

Figure Fl5. Plot of above pycnocline number of species per replicate at station TF5.5 for the period of 1985 through 2002.

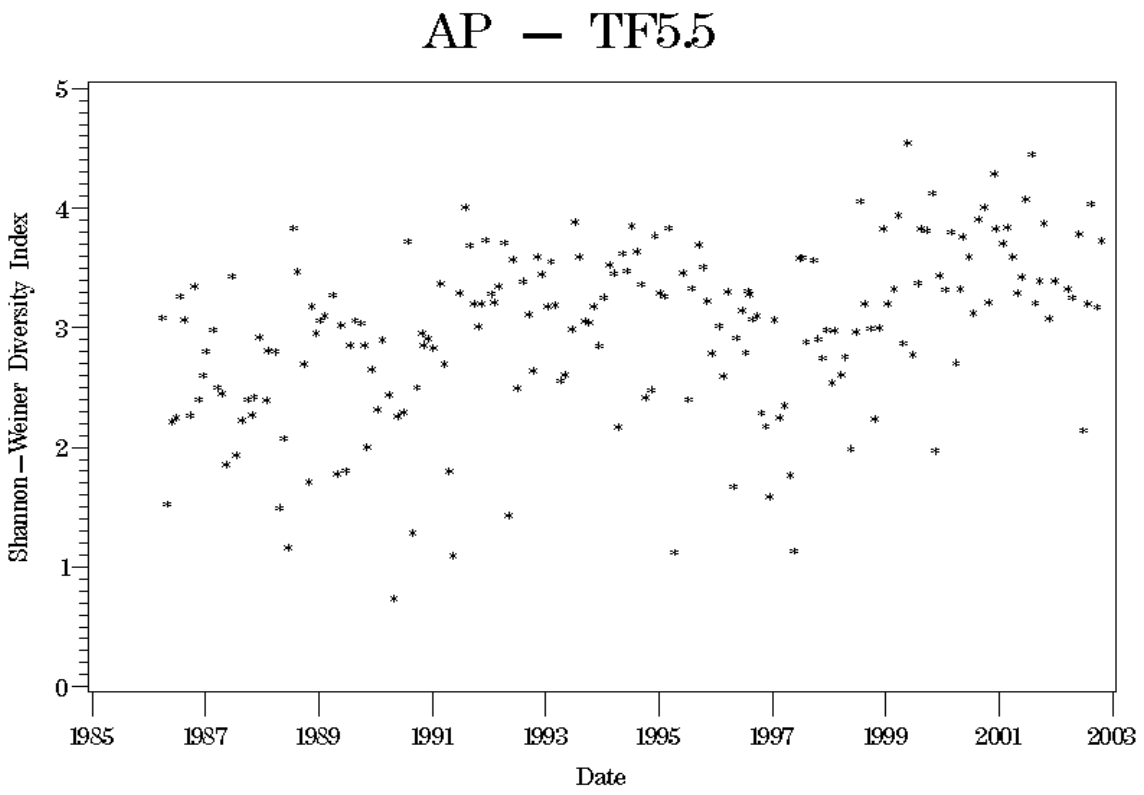

Figure Fl6. Plot of above pycnocline Shannon-Weiner Diversity index at station TF5.5 for the period of 1985 through 2002.

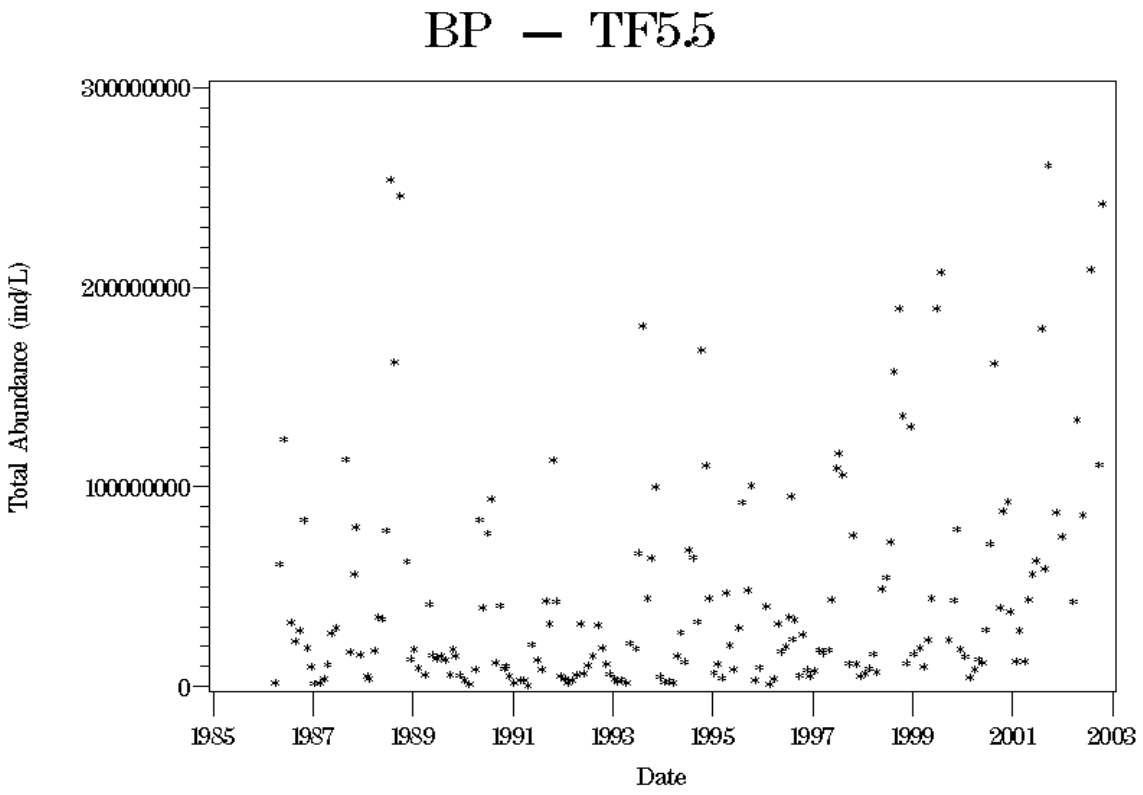

Figure F17. Plot of below pycnocline total phytoplankton abundance against time at station TF5.5 for the period of 1985 through 2002.

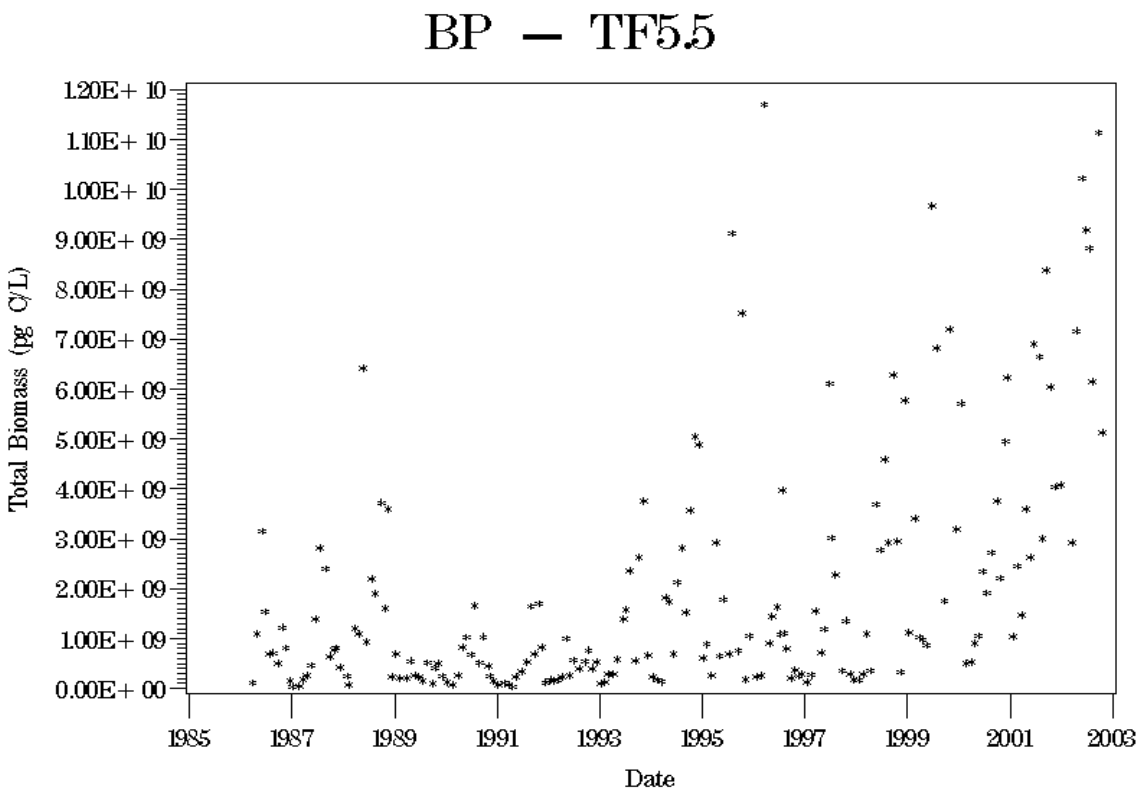

Figure F18. Plot of below pycnocline total phytoplankton biomass against time at station TF5.5 for the period of 1985 through 2002.

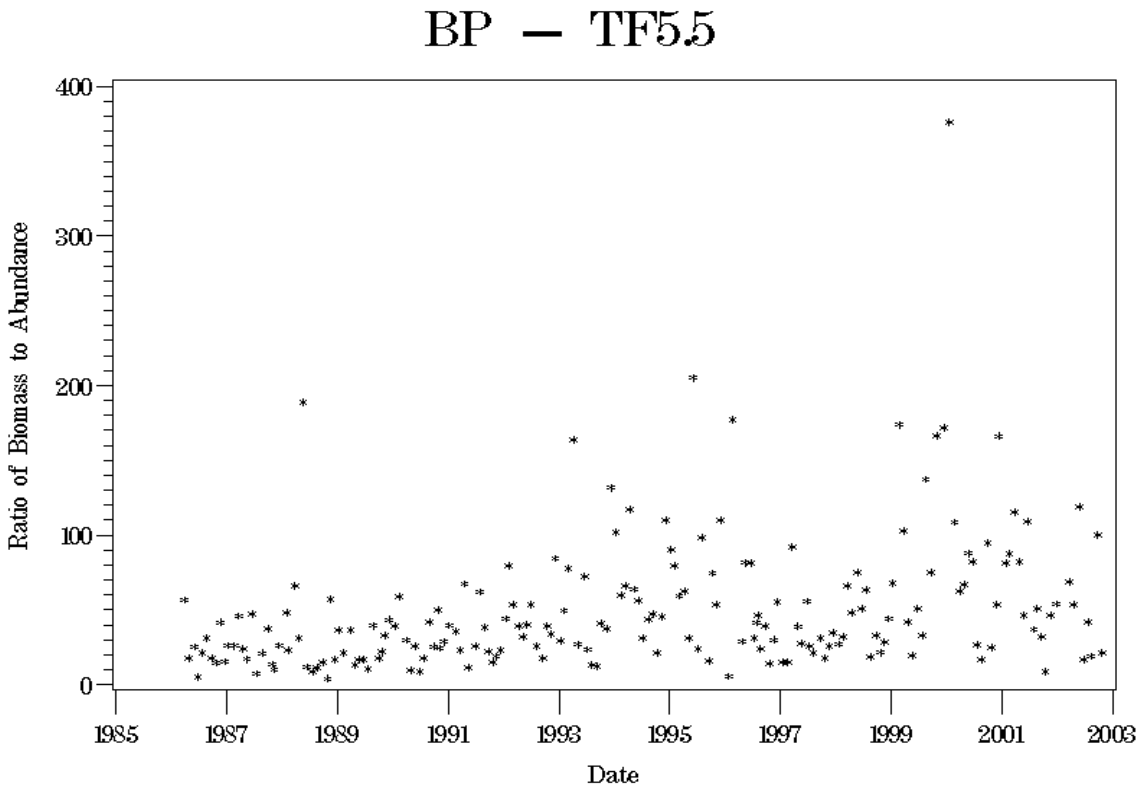

Figure F19. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station TF5.5 for the period of 1985 through 2002.

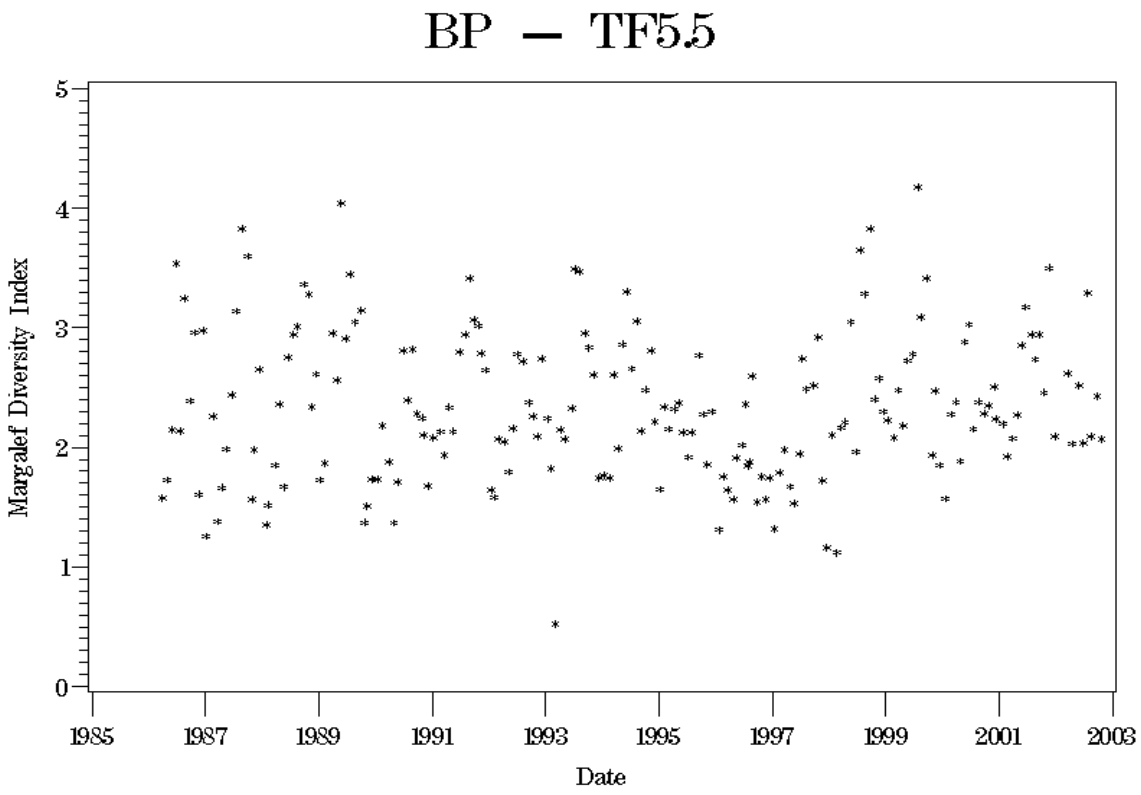

Figure F20. Plot of below pycnocline Margalef diversity index against time at station TF5.5 for the period of 1985 through 2002.

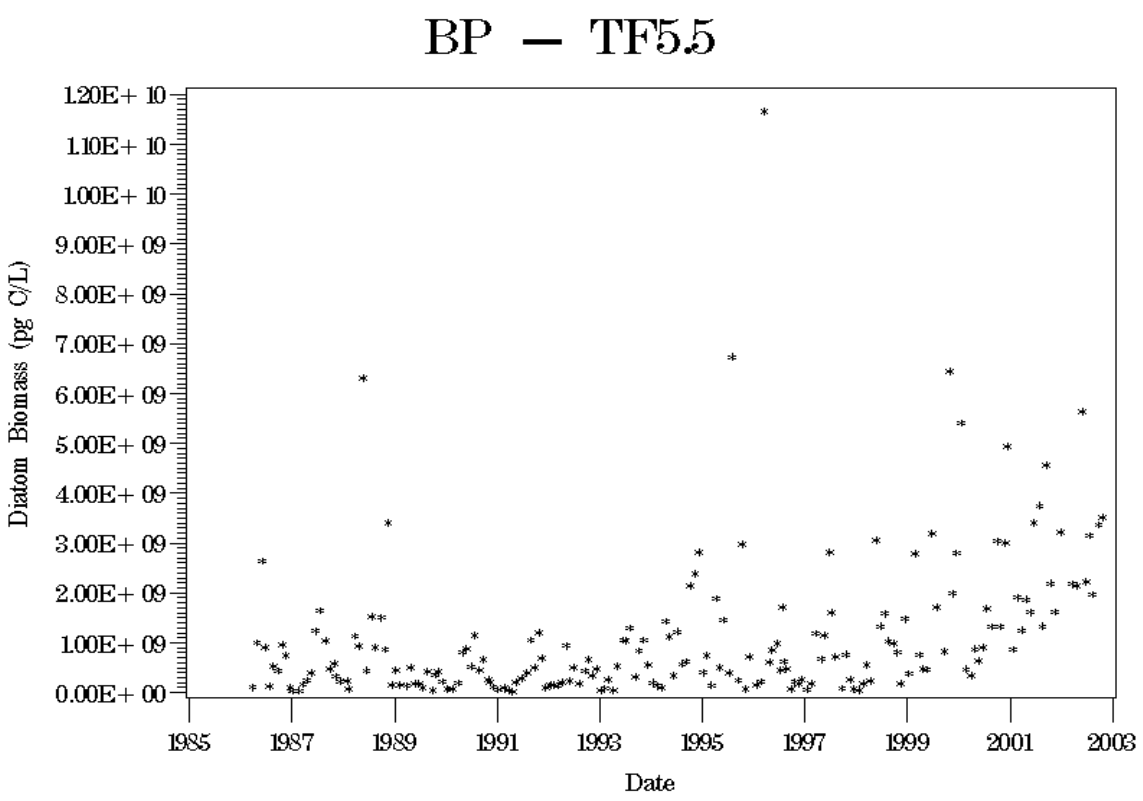

Figure F21. Plot of below pycnocline diatom biomass against time at station TF5.5 for the period of 1985 through 2002.

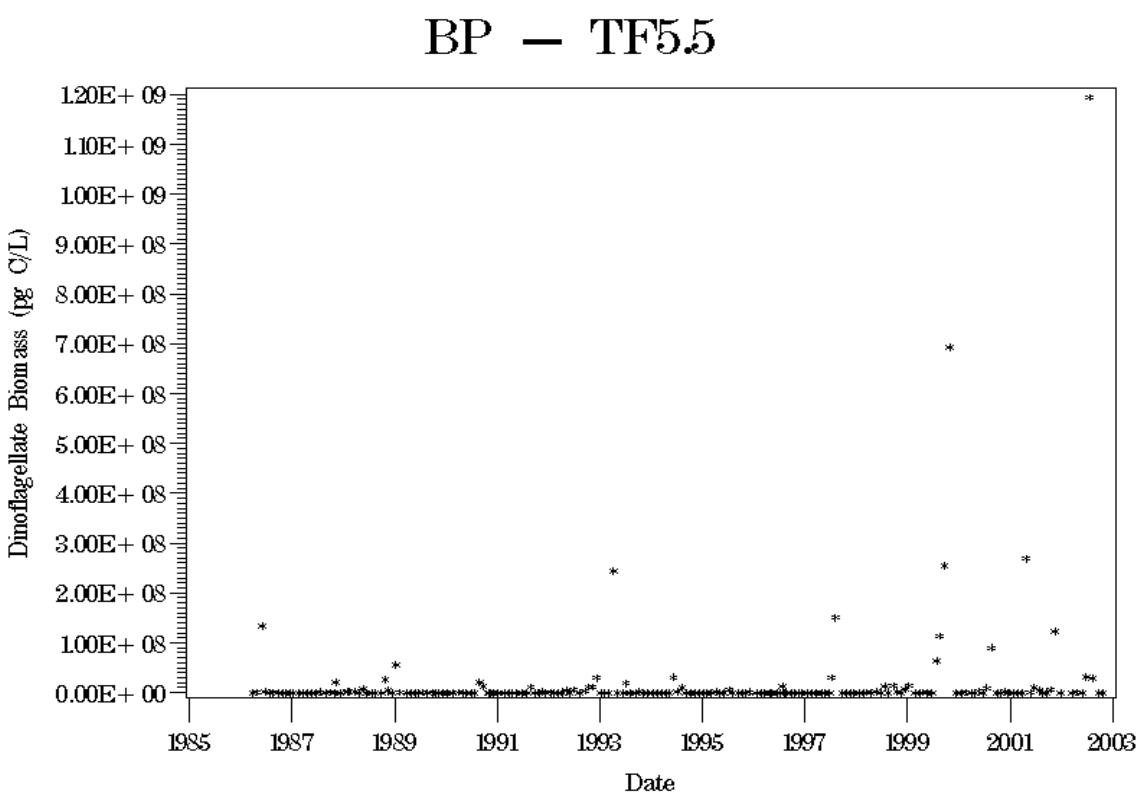

Figure F22. Plot of below pycnocline dinoflagellate biomass against time at station TF5.5 for the period of 1985 through 2002.

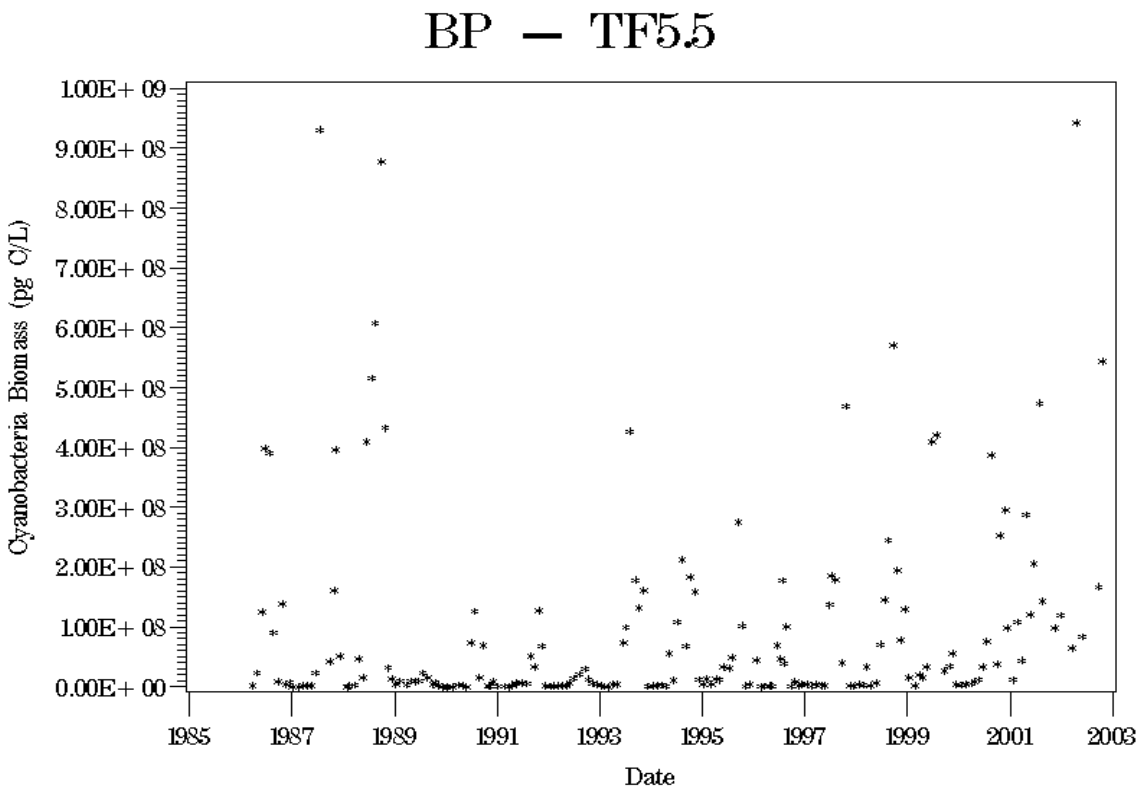

Figure F23. Plot of below pycnocline cyanobacteria biomass against time at station TF5.5 for the period of 1985 through 2002.

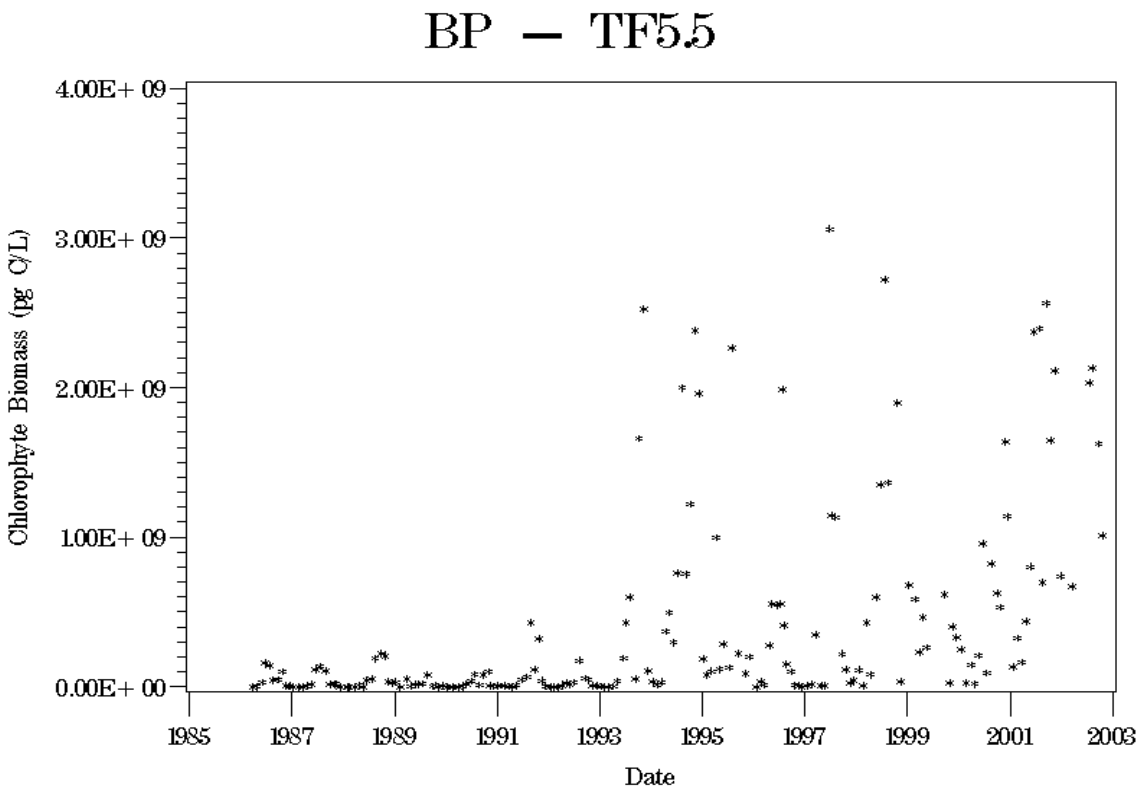

Figure F24. Plot of below pycnocline chlorophyte biomass against time at station TF5.5 for the period of 1985 through 2002.

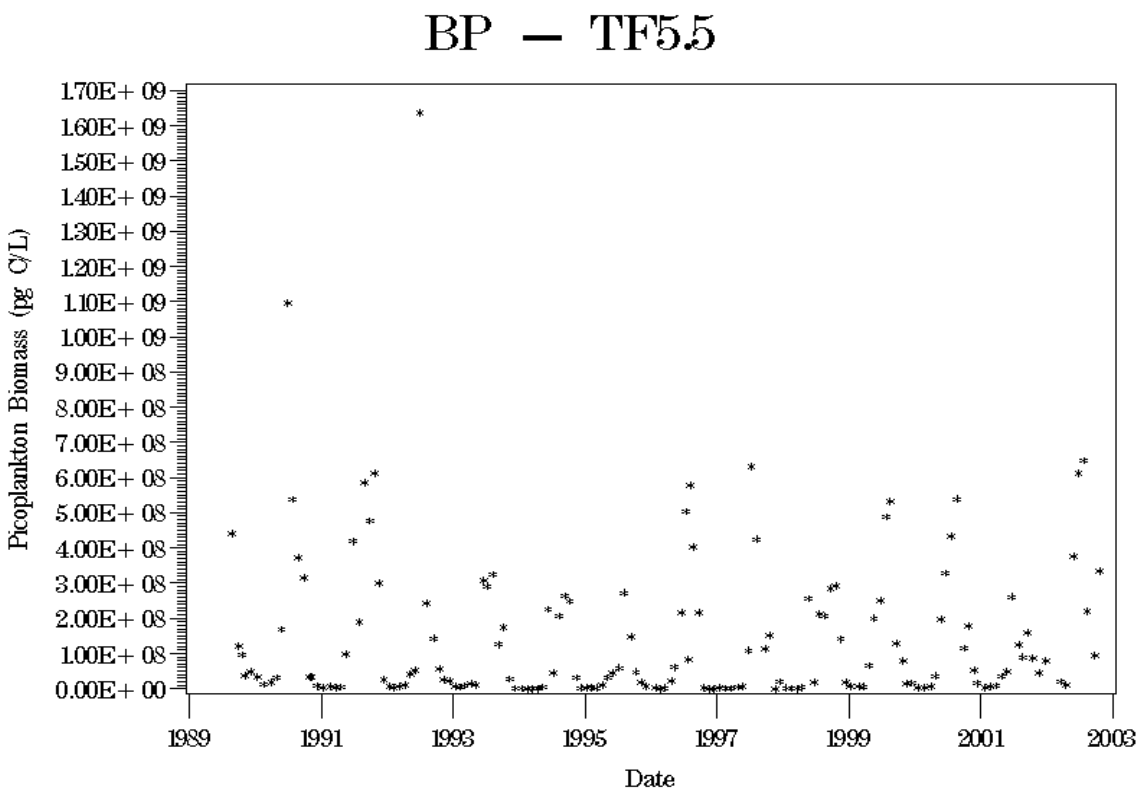

Figure F25. Plot of below pycnocline picoplankton biomass against time at station TF5.5 for the period of 1985 through 2002.

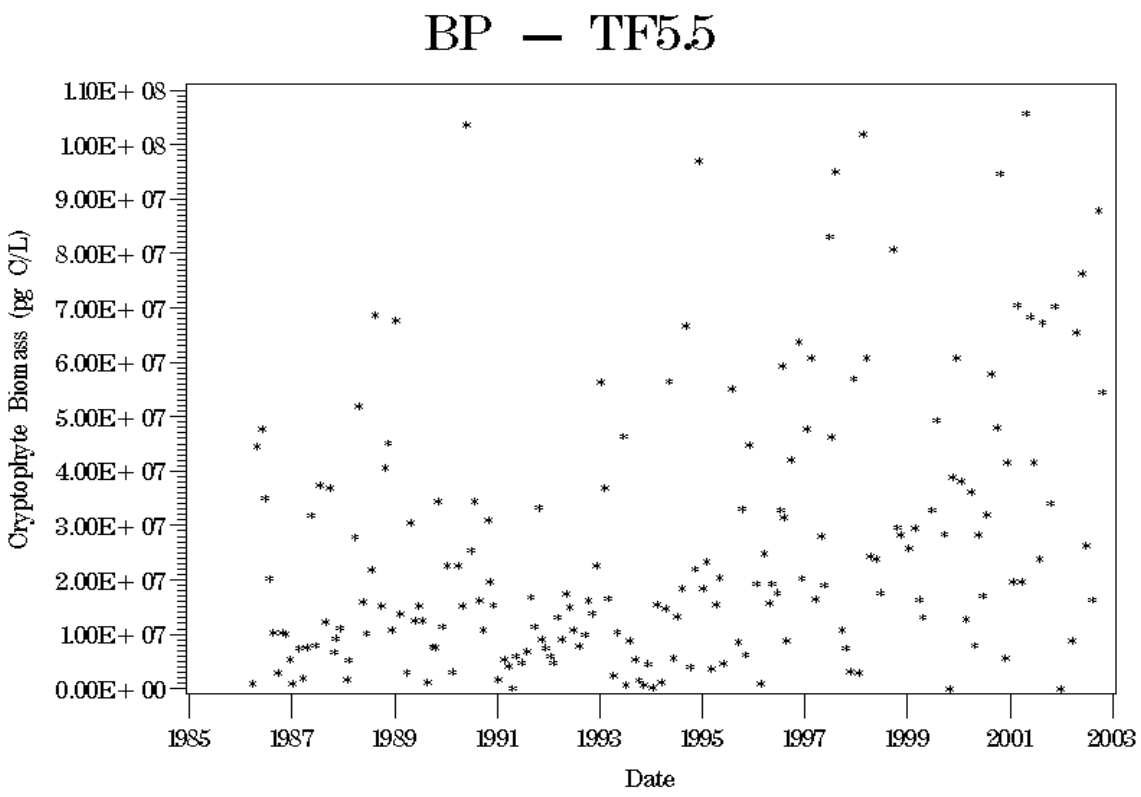

Figure F26. Plot of below pycnocline cryptophyte biomass at station TF5.5 for the period of 1985 through 2002.

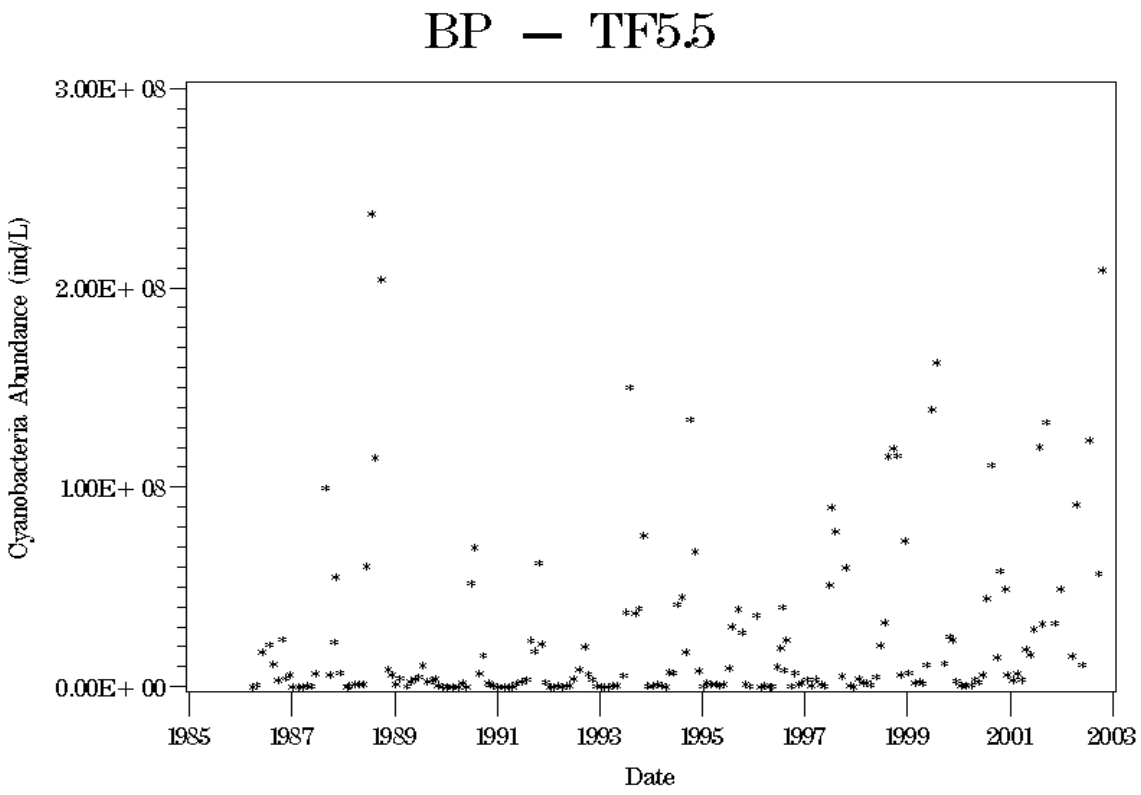

Figure F27. Plot of below pycnocline cyanophyte abundance at station TF5.5 for the period of 1985 through 2002.

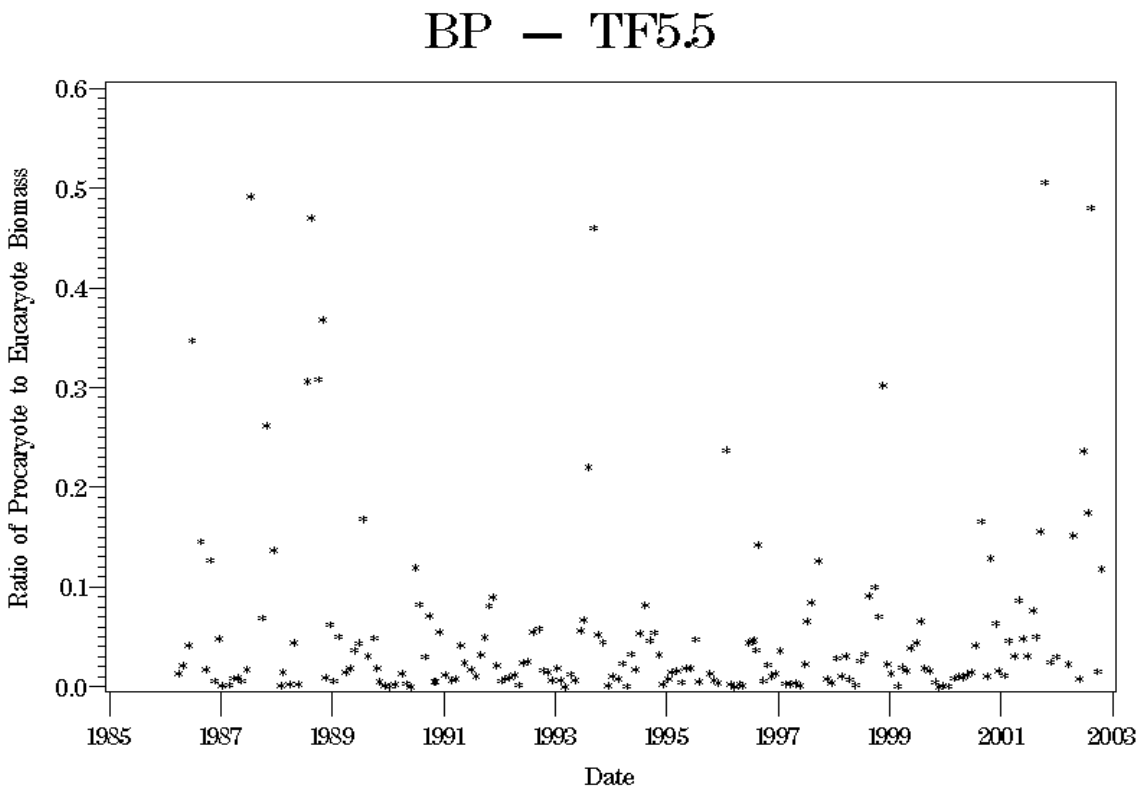

Figure F28. Plot of below pycnocline ratio of procaryote to eucaryote biomass at station TF5.5 for the period of 1985 through 2002.

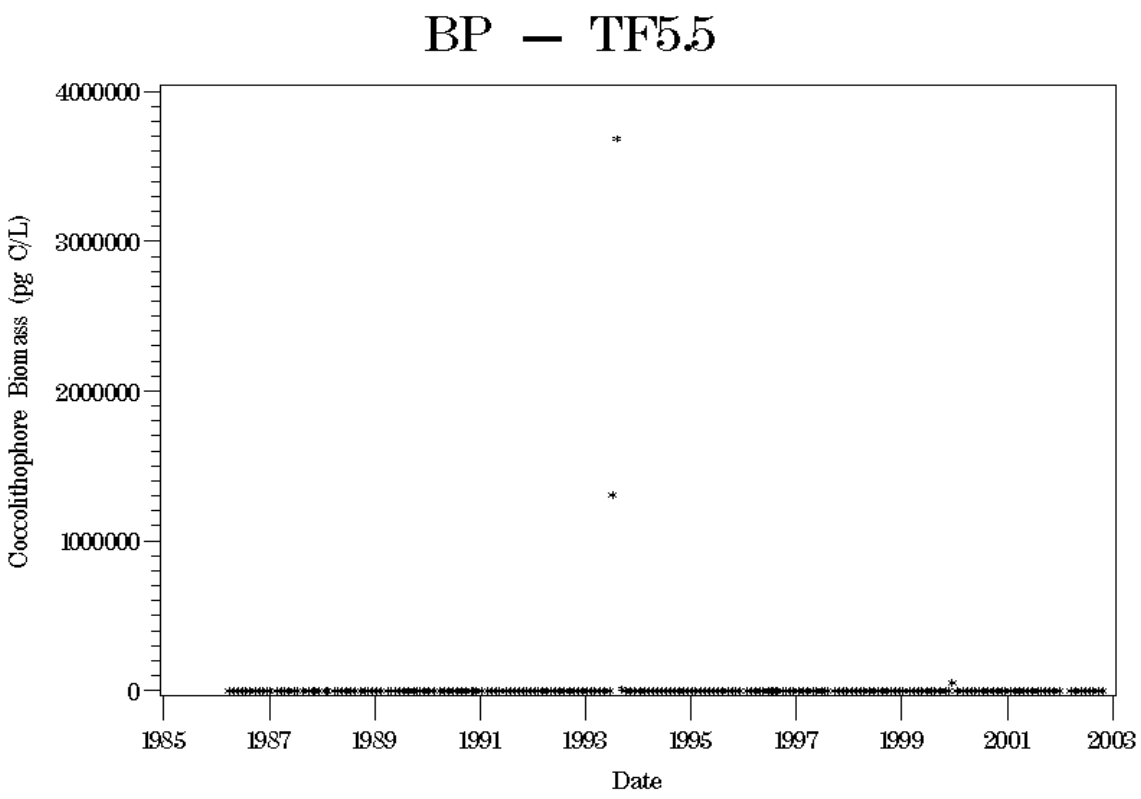

Figure F29. Plot of below pycnocline coccolithophore biomass at station TF5.5 for the period of 1985 through 2002.

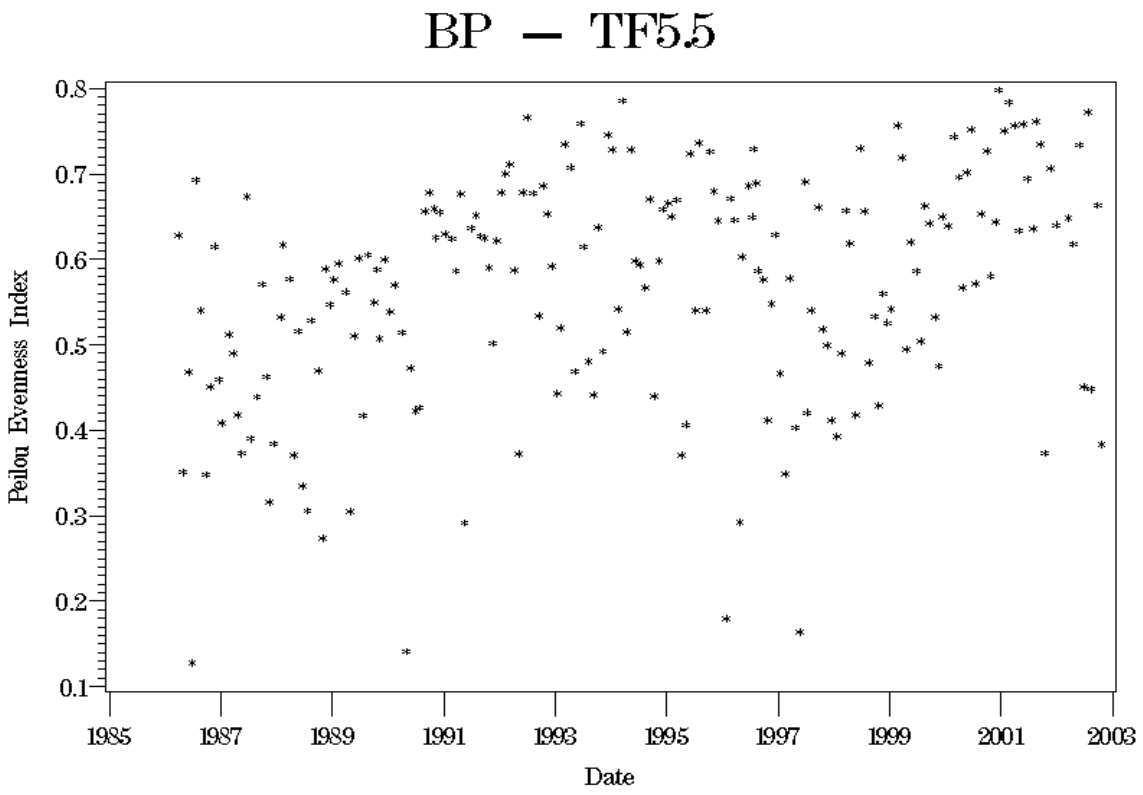

Figure F30. Plot of below pycnocline filamentous colonial cyanophyte abundance at station TF5.5 for the period of 1985 through 2002.

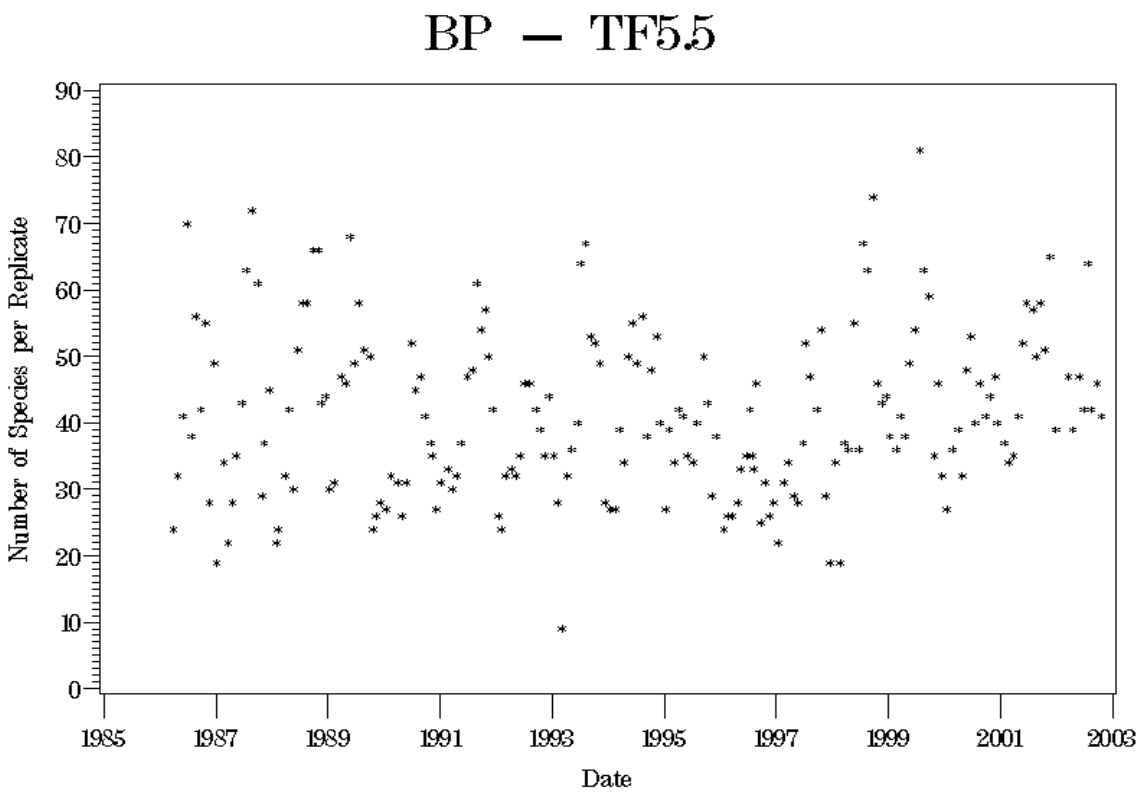

Figure F31. Plot of below pycnocline number of species per replicate at station TF5.5 for the period of 1985 through 2002.

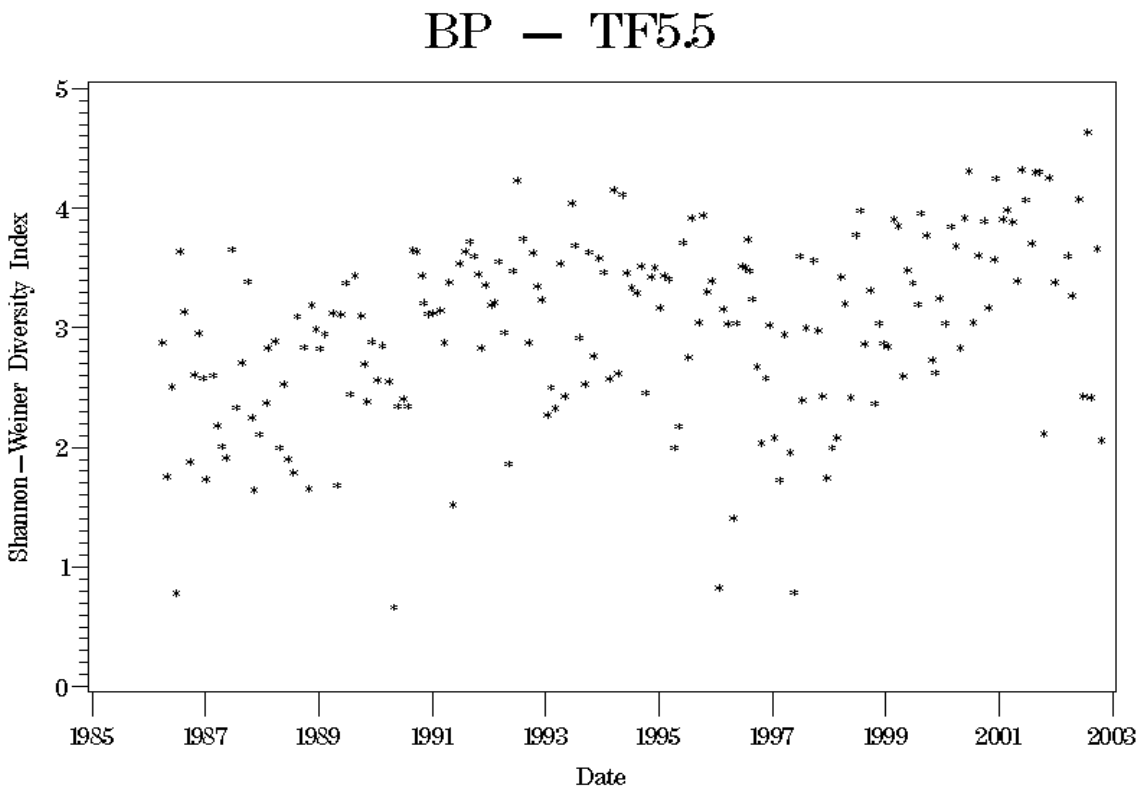

Figure F32. Plot of below pycnocline Shannon-Weiner Diversity index at station TF5.5 for the period of 1985 through 2002.

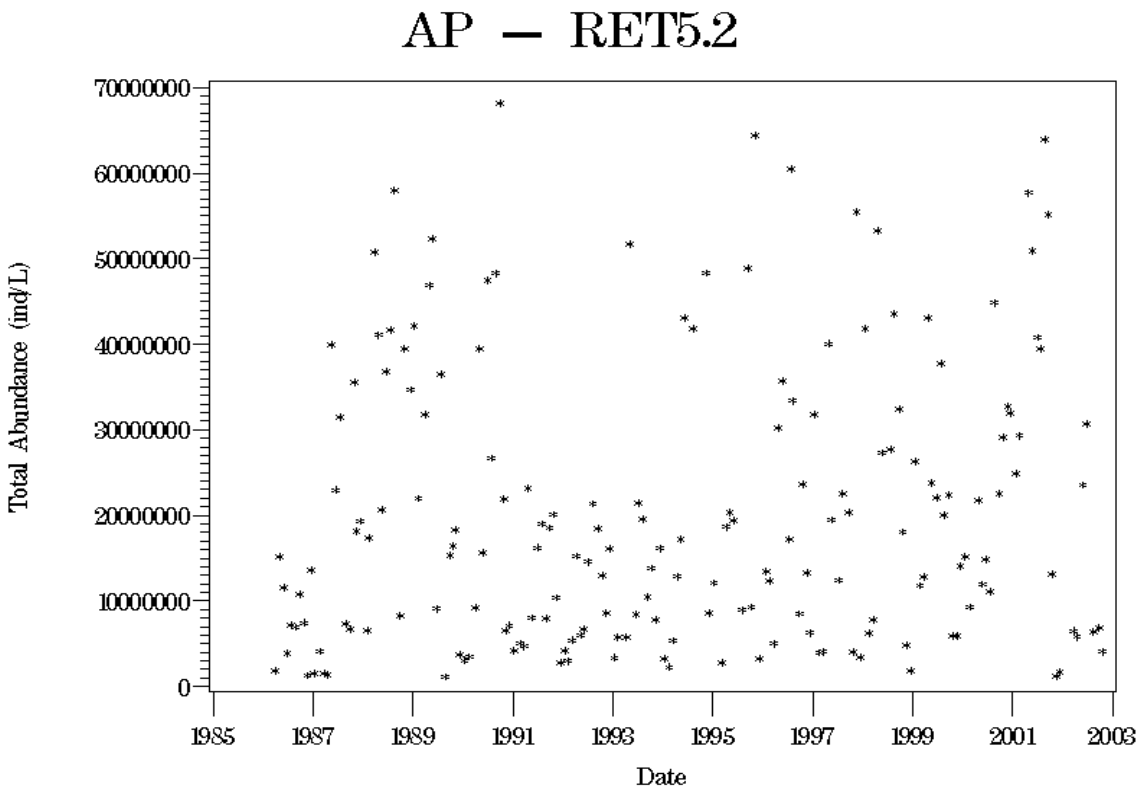

Figure F33. Plot of above pycnocline total phytoplankton abundance against time at station RET5.2 for the period of 1985 through 2002.

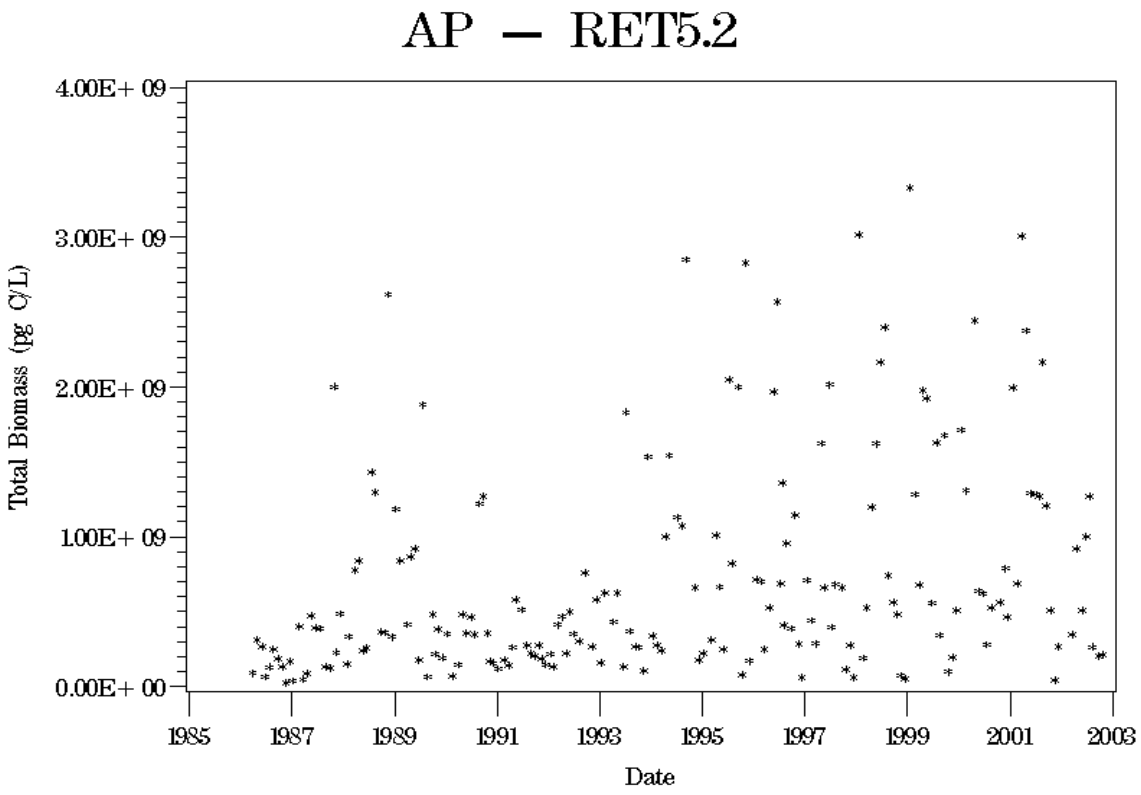

Figure F34. Plot of above pycnocline total phytoplankton biomass against time at station RET5.2 for the period of 1985 through 2002.

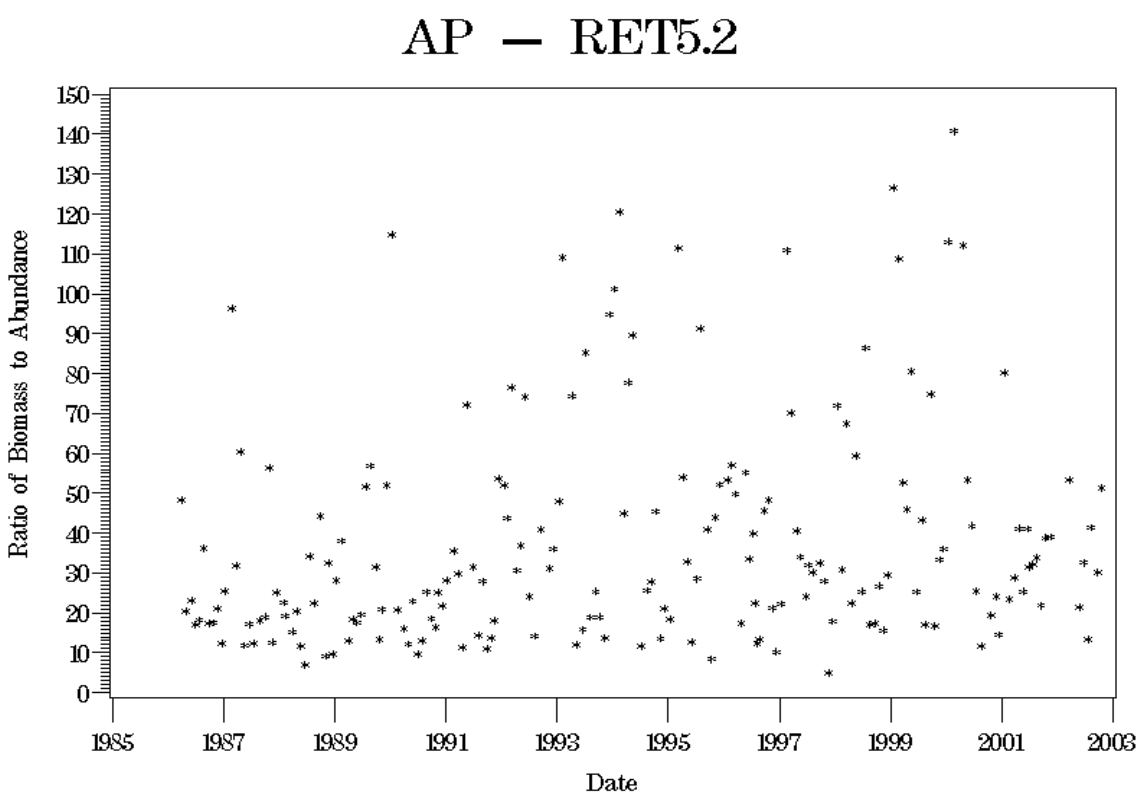

Figure F35. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station RET5.2 for the period of 1985 through 2002.

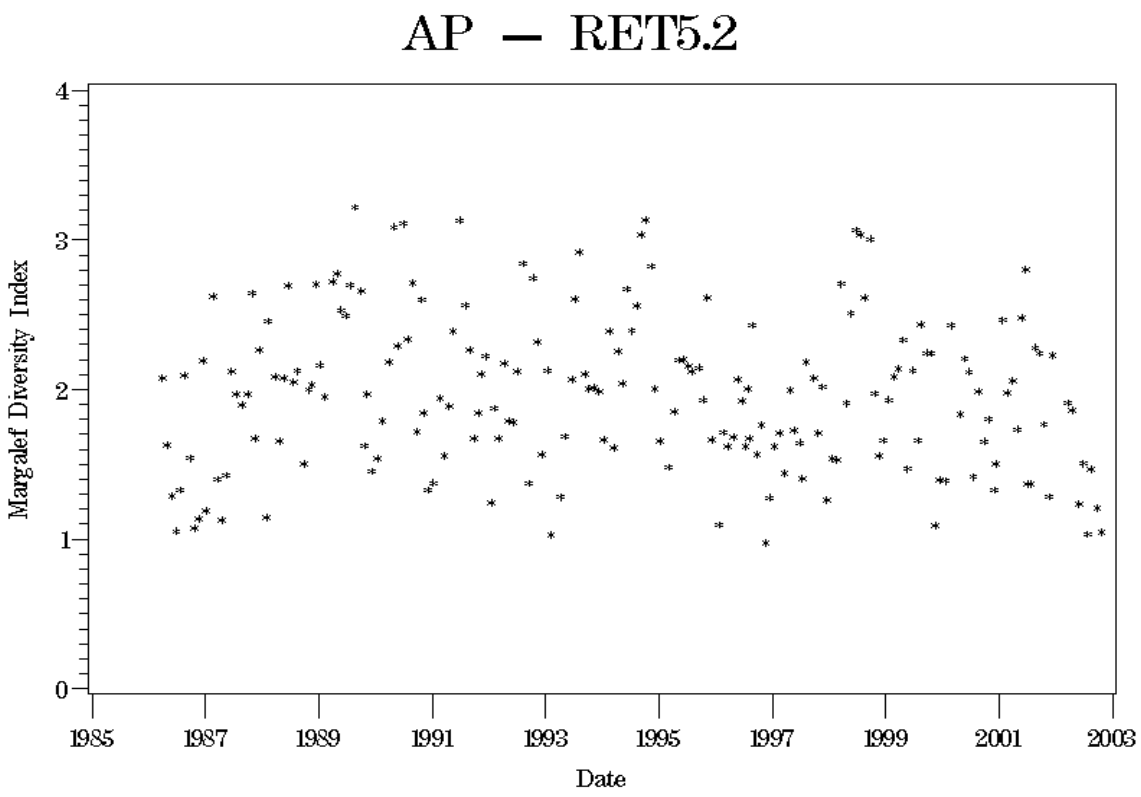

Figure F36 Plot of above pycnocline Margalef diversity index against time at station RET5.2 for the period of 1985 through 2002.

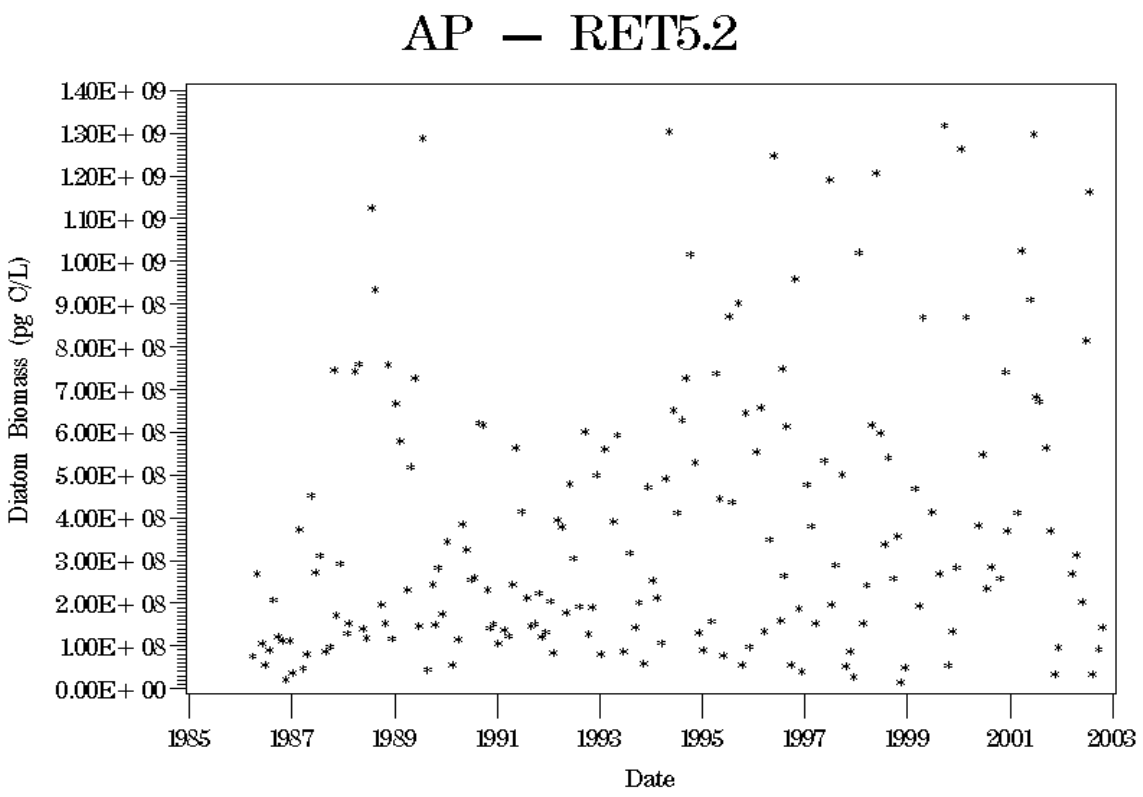

Figure F37. Plot of above pycnocline diatom biomass against time at station RET5.2 for the period of 1985 through 2002.

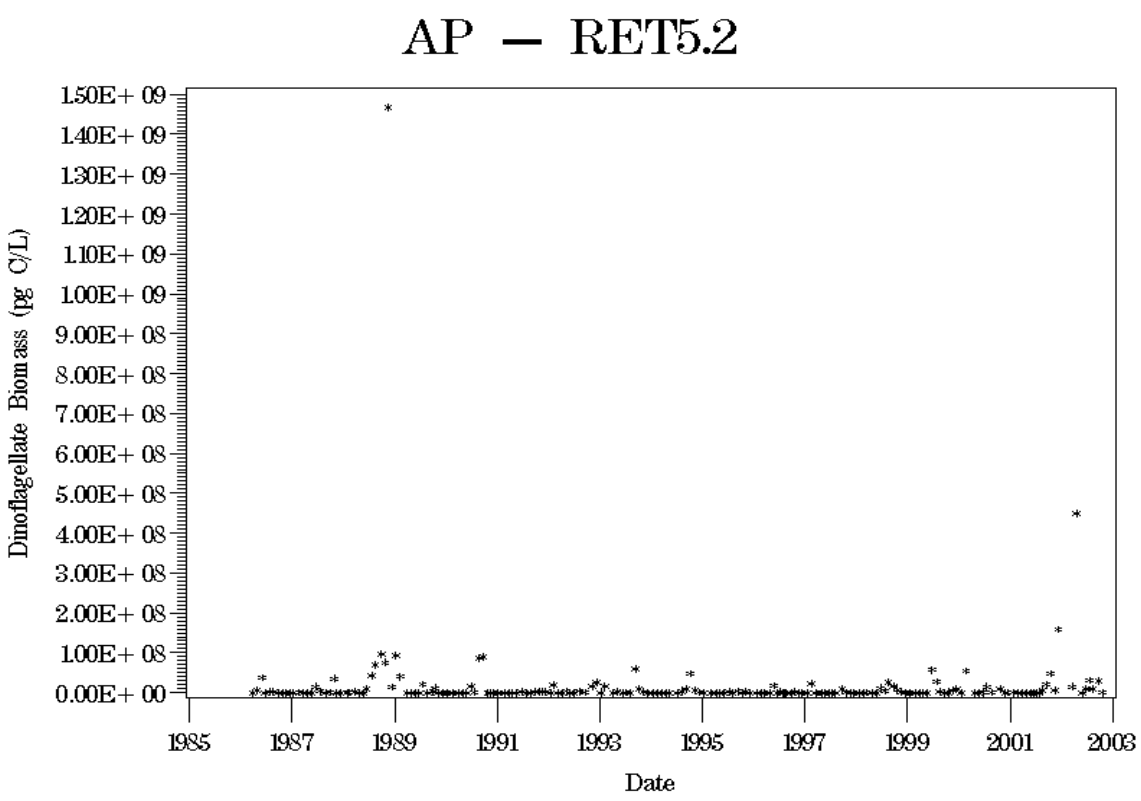

Figure F38. Plot of above pycnocline dinoflagellate biomass against time at station RET5.2 for the period of 1985 through 2002.

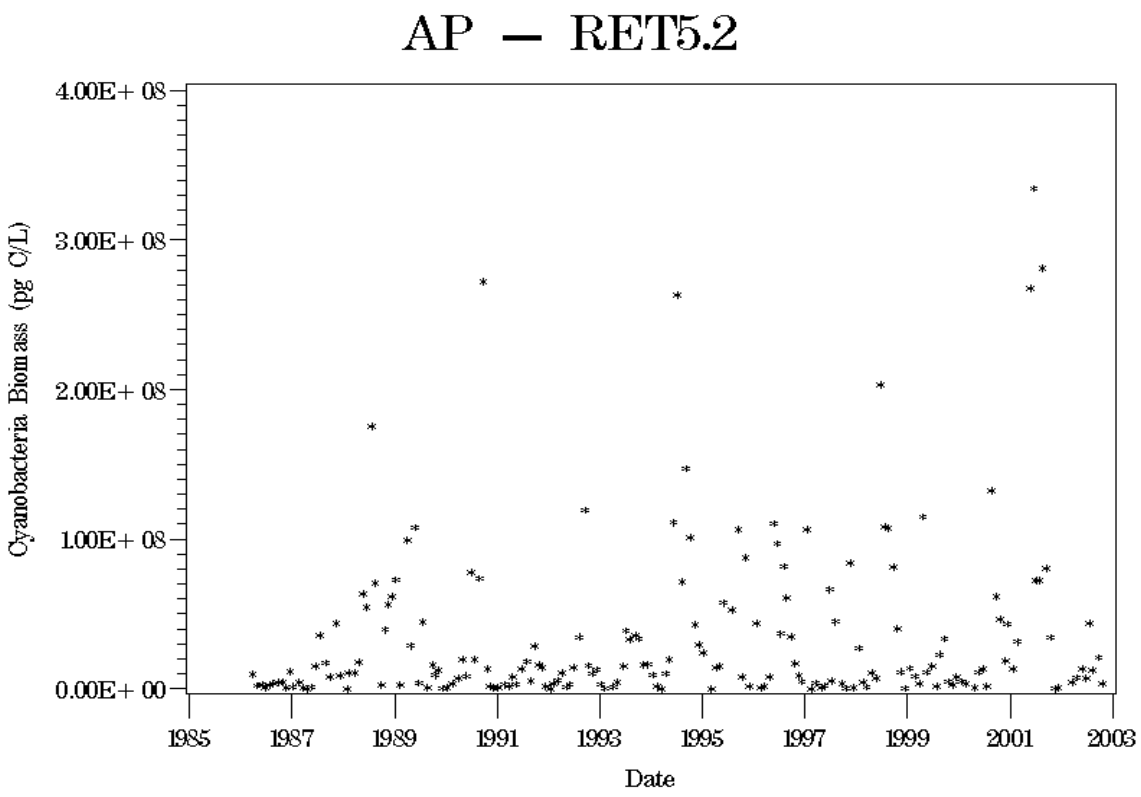

Figure F39. Plot of above pycnocline cyanobacteria biomass against time at station RET5.2 for the period of 1985 through 2002.

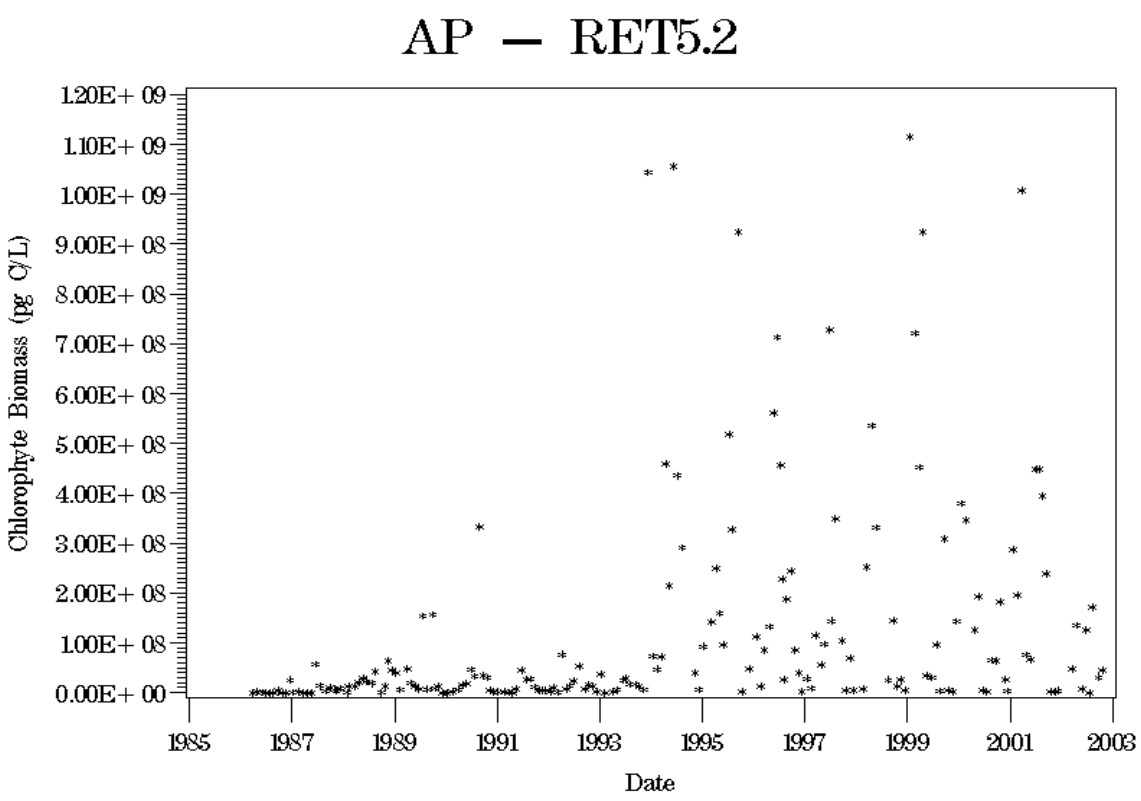

Figure F40. Plot of above pycnocline chlorophyte biomass against time at station RET5.2 for the period of 1985 through 2002.

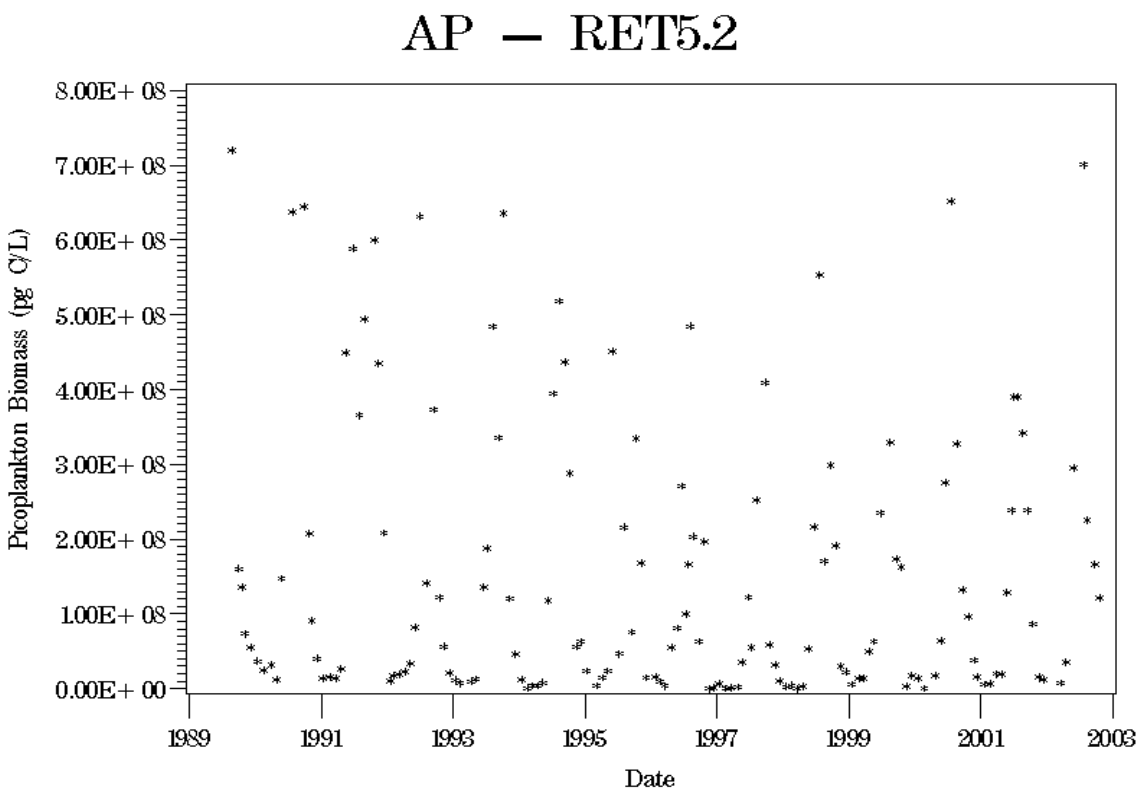

Figure F41. Plot of above pycnocline picoplankton biomass against time at station RET5.2 for the period of 1985 through 2002.

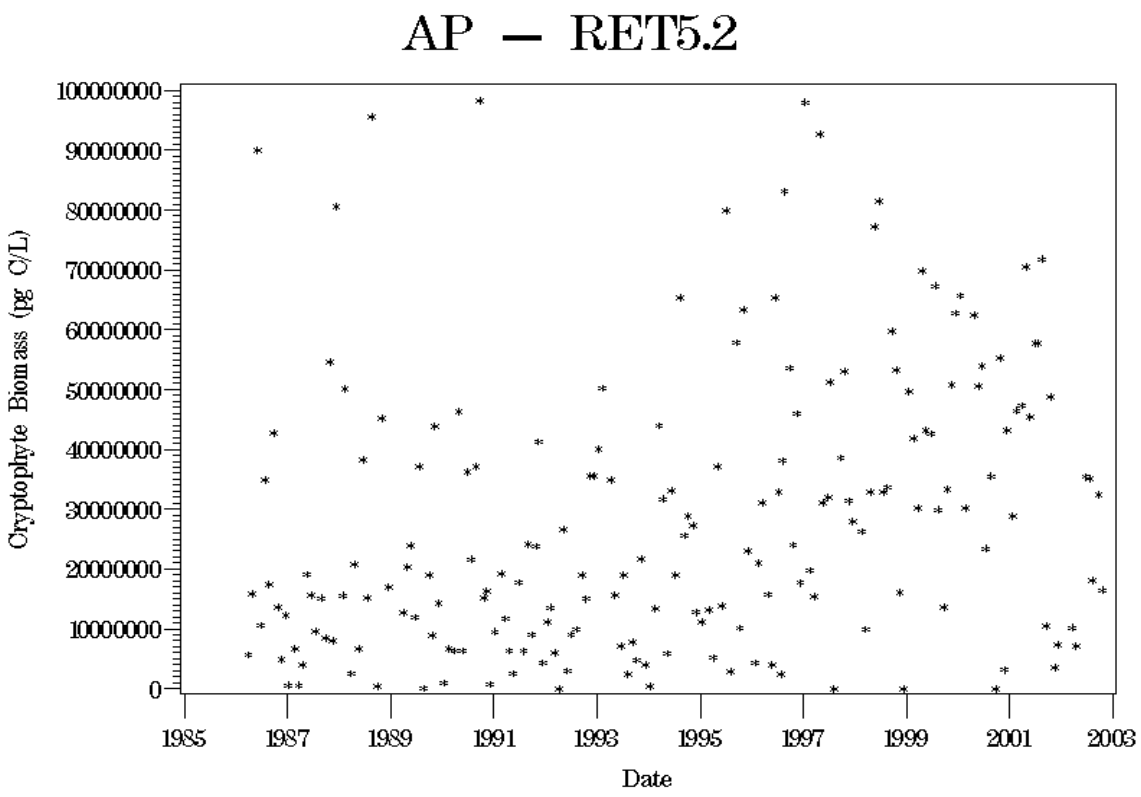

Figure F42. Plot of above pycnocline cryptophyte biomass at station RET5.2 for the period of 1985 through 2002.

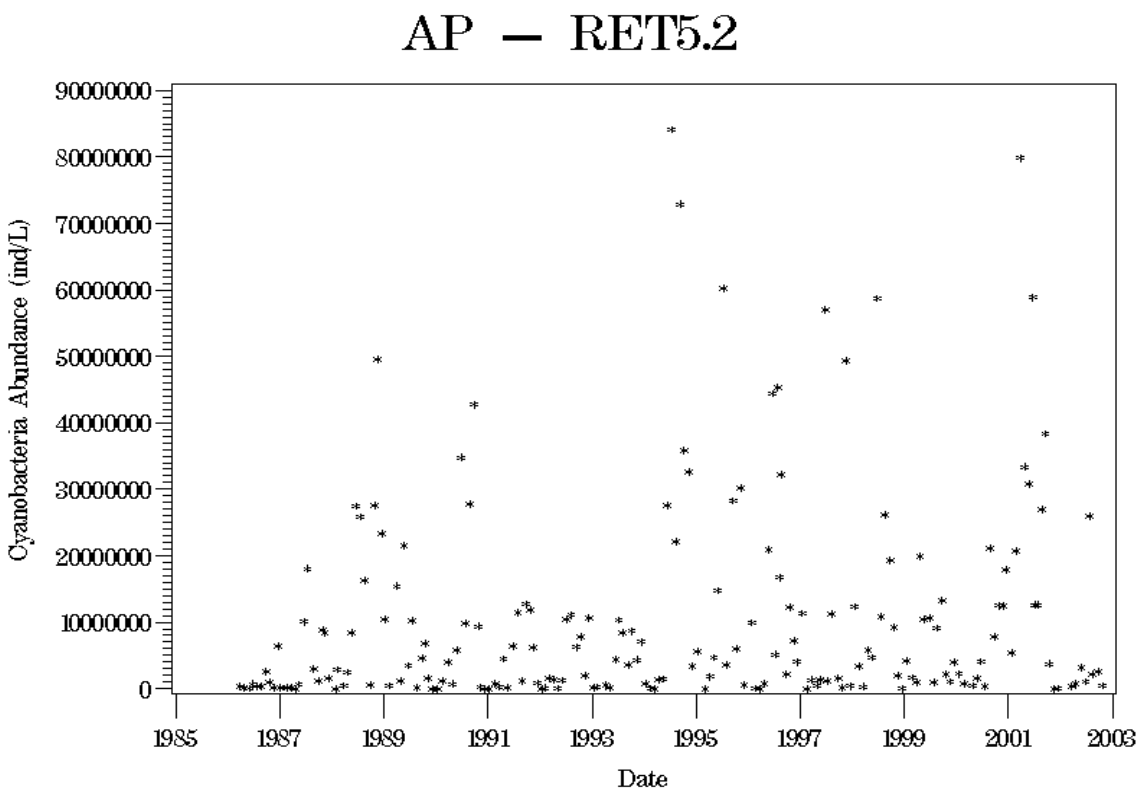

Figure F43. Plot of above pycnocline cyanophyte abundance at station RET5.2 for the period of 1985 through 2002.

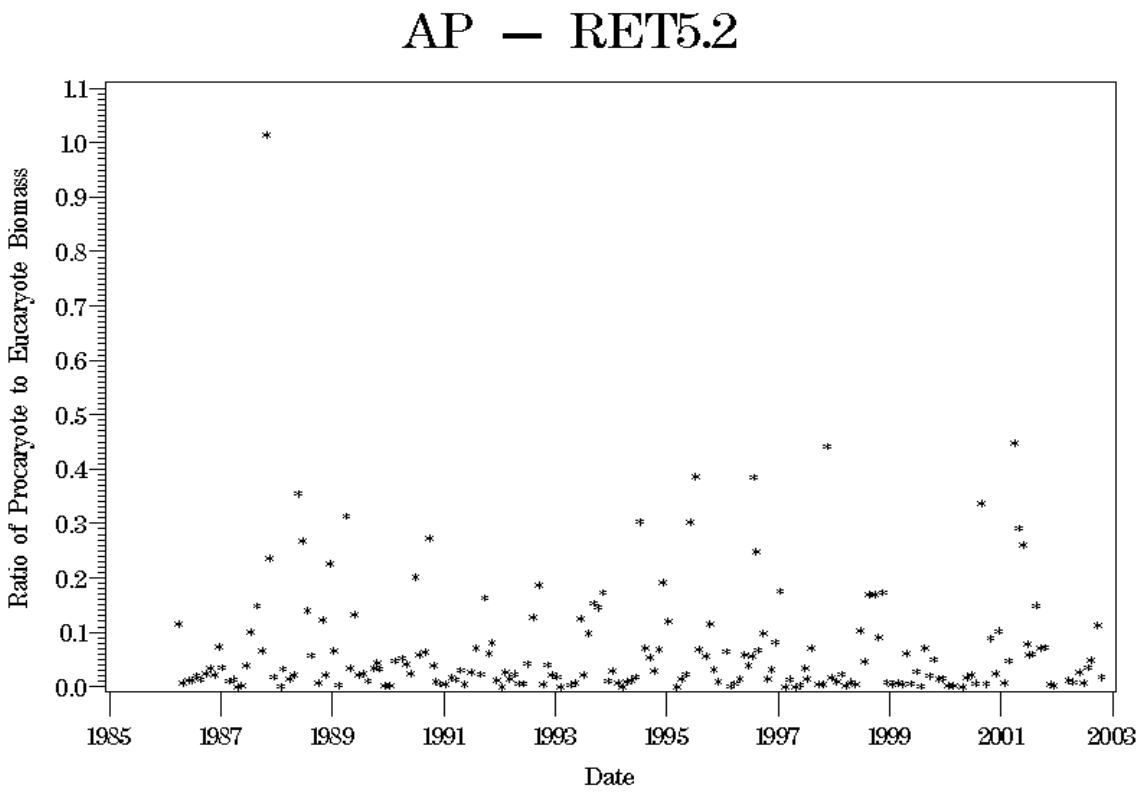

Figure F44. Plot of above pycnocline ratio of procaryote to eucaryote biomass at station RET5.2 for the period of 1985 through 2002.

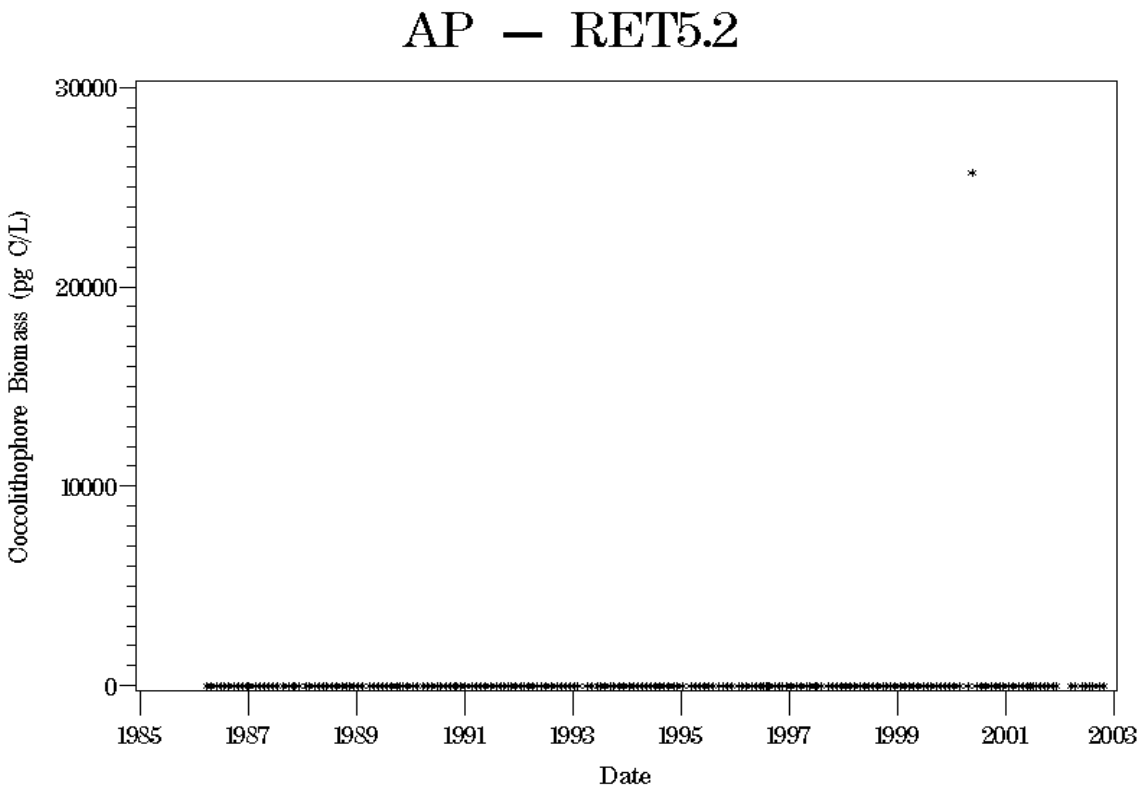

Figure F45. Plot of above pycnocline ratio of procaryote to eucaryote biomass at station RET5.2 for the period of 1985 through 2002.

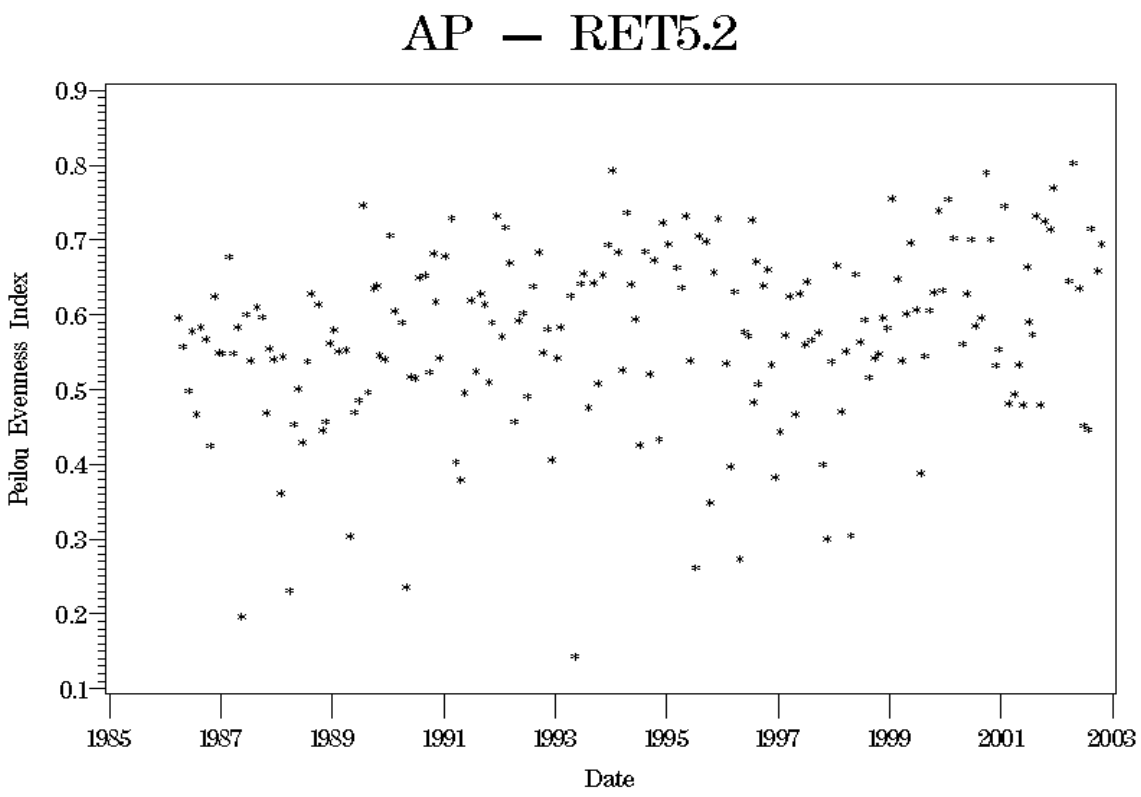

Figure F46. Plot of above pycnocline filamentous colonial cyanophyte abundance at station RET5.2 for the period of 1985 through 2002.

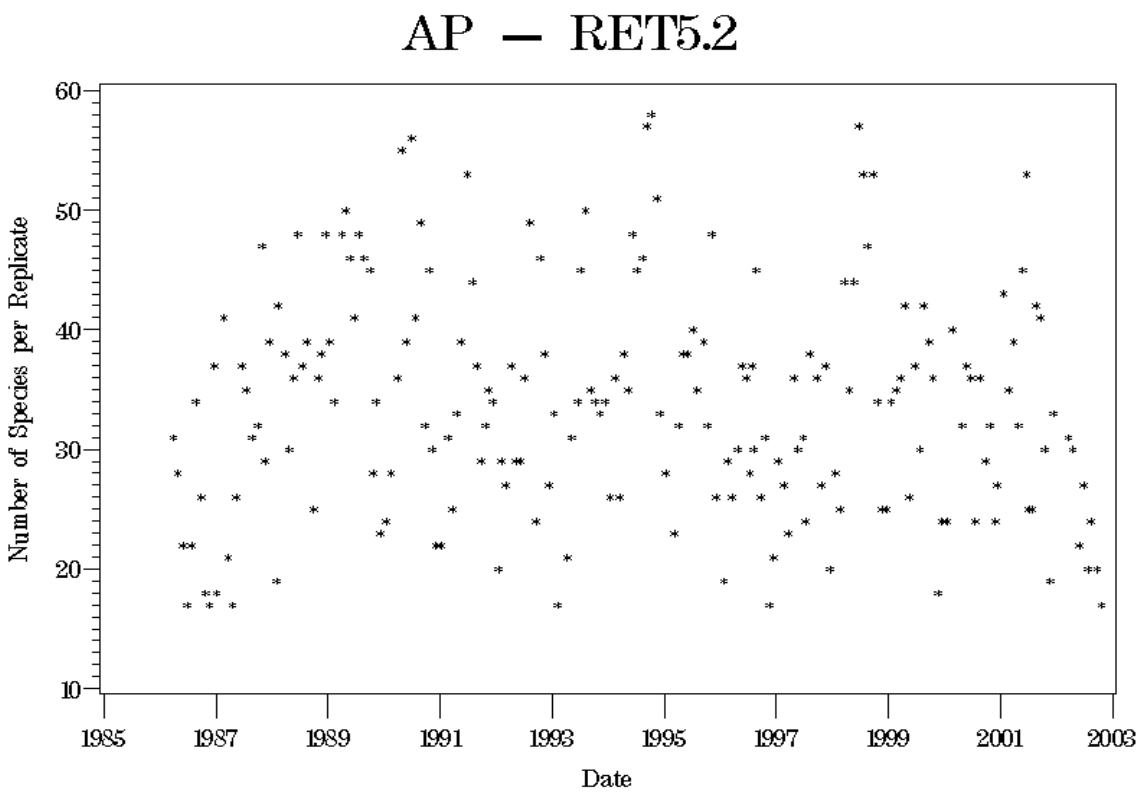

Figure F47. Plot of above pycnocline number of species per replicate at station RET5.2 for the period of 1985 through 2002.

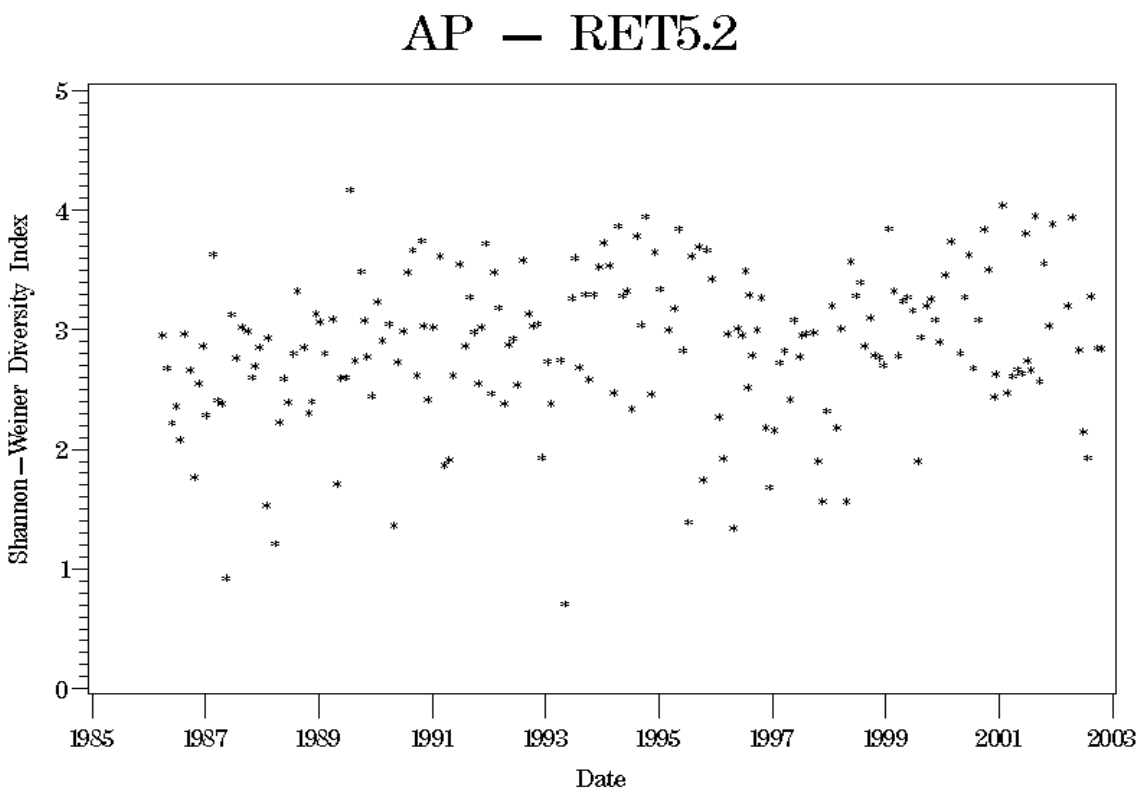

Figure F48. Plot of above pycnocline Shannon-Weiner Diversity index at station RET5.2 for the period of 1985 through 2002.

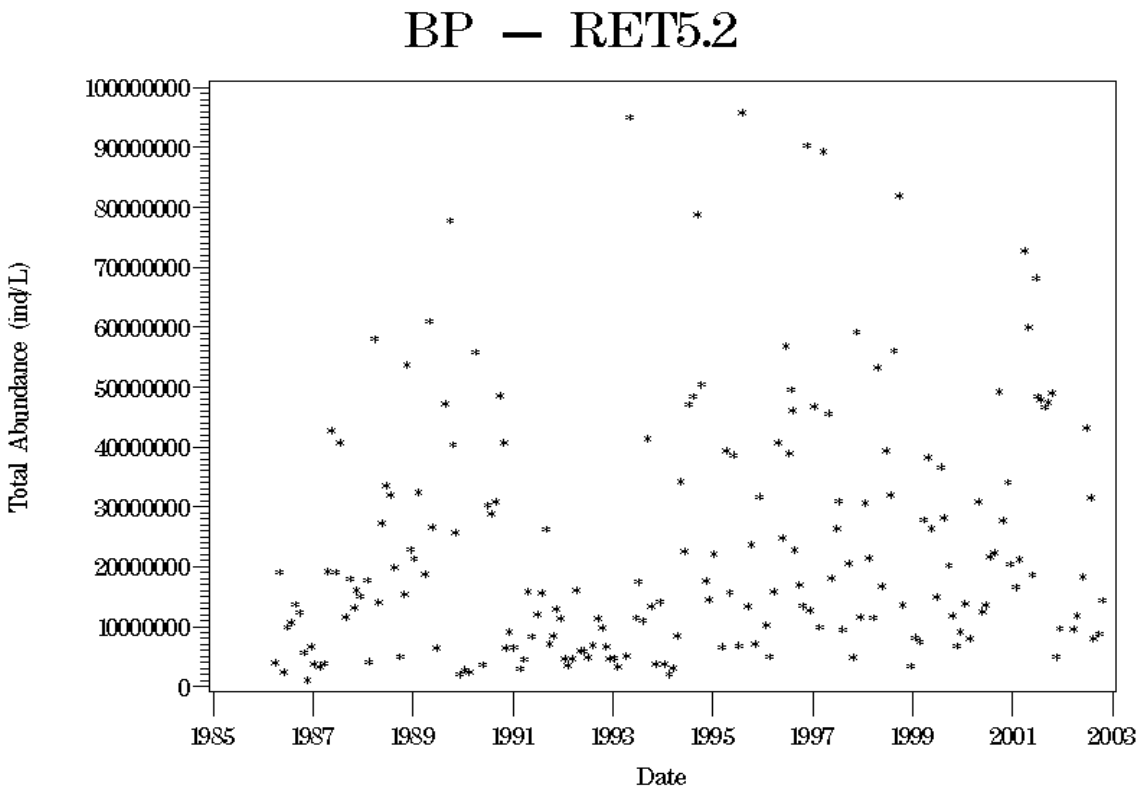

Figure F49. Plot of below pycnocline total phytoplankton abundance against time at station RET5.2 for the period of 1985 through 2002.

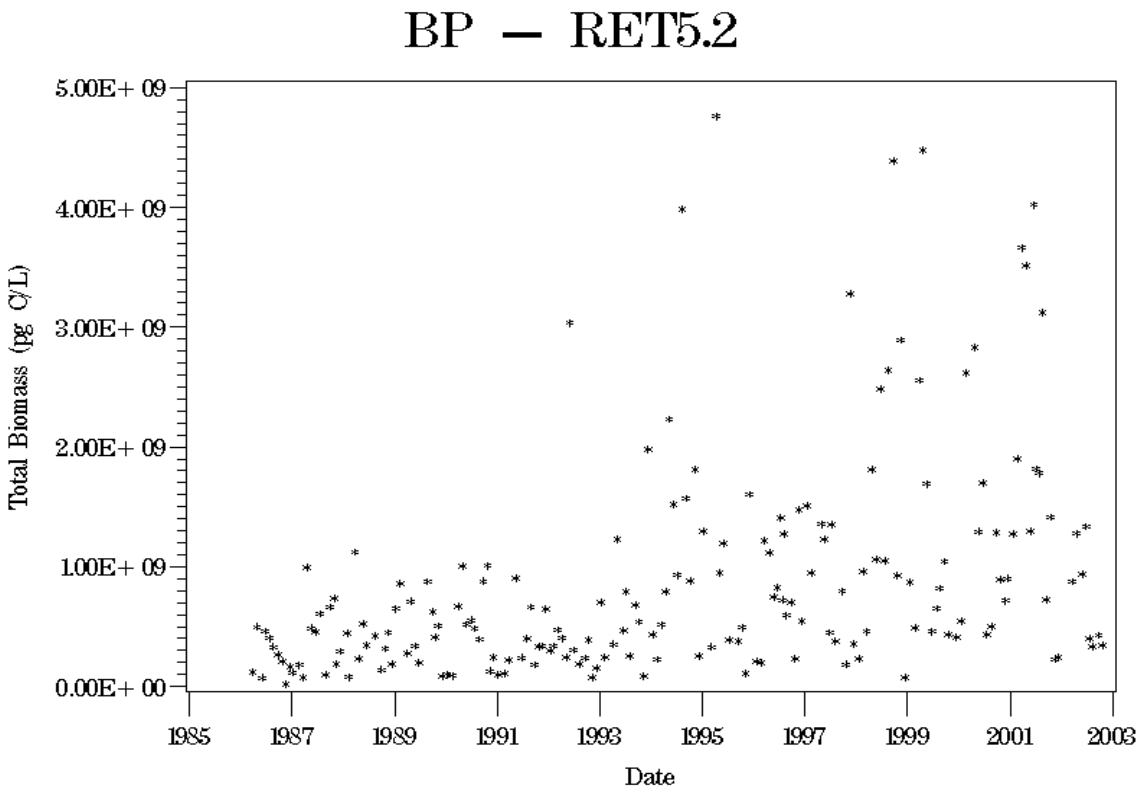

Figure F50. Plot of below pycnocline total phytoplankton biomass against time at station RET5.2 for the period of 1985 through 2002.

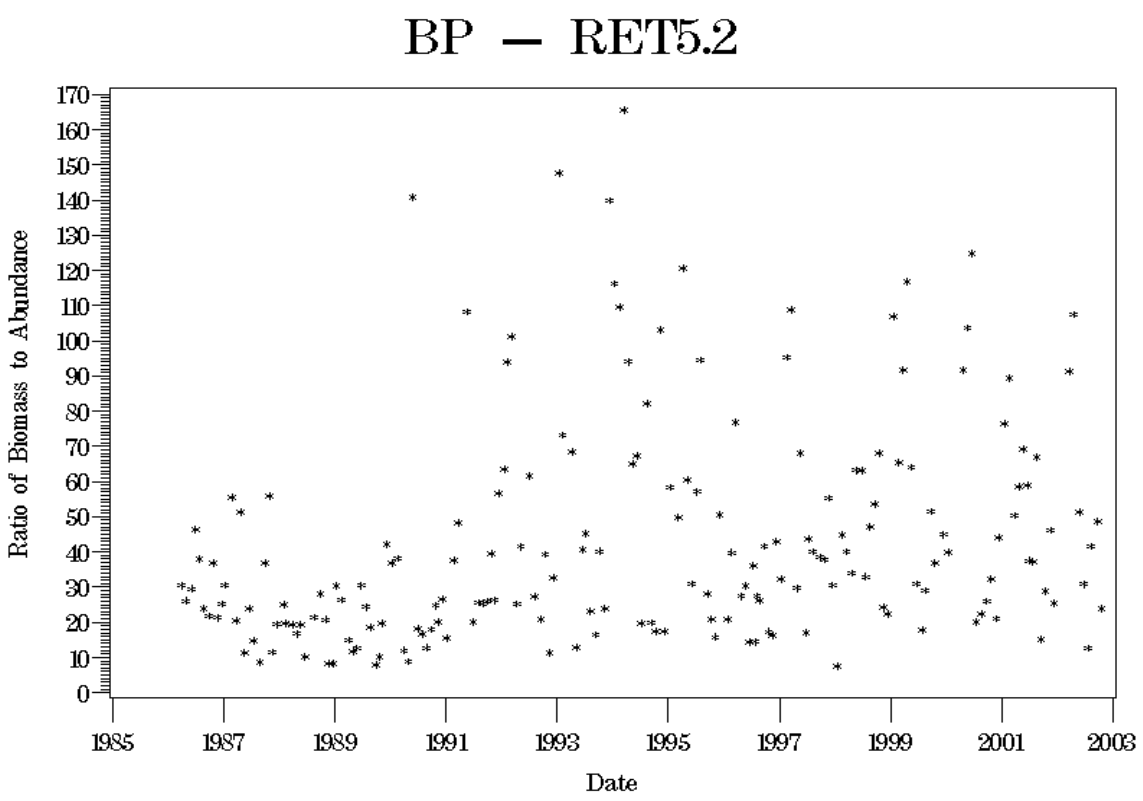

Figure F51. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station RET5.2 for the period of 1985 through 2002.

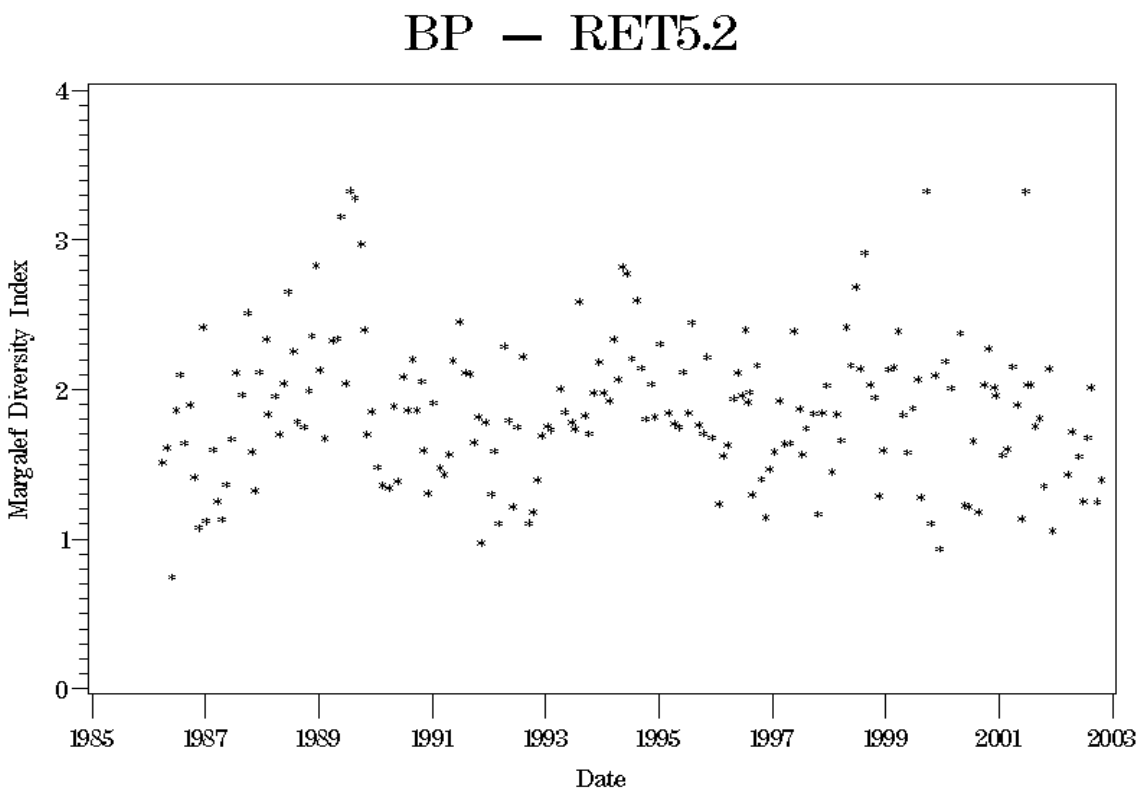

Figure F52. Plot of below pycnocline Margalef diversity index against time at station RET5.2 for the period of 1985 through 2002.

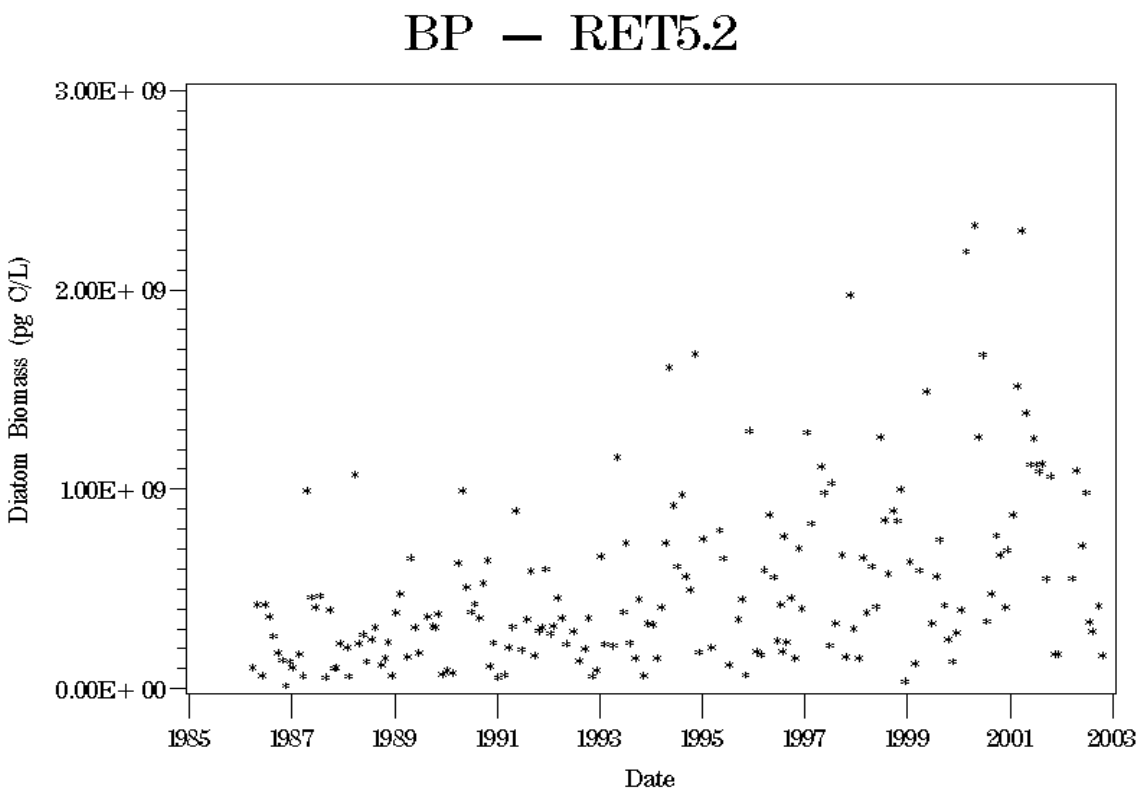

Figure F53. Plot of below pycnocline diatom biomass against time at station RET5.2 for the period of 1985 through 2002.

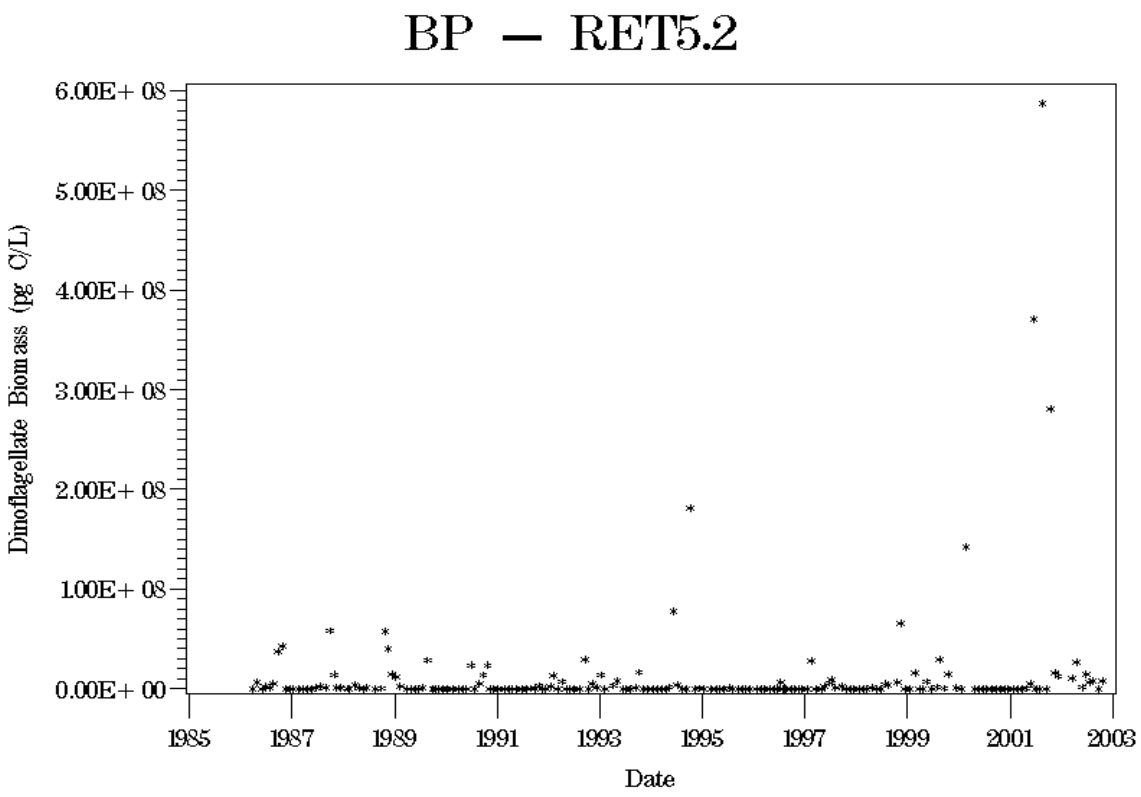

Figure F54. Plot of below pycnocline dinoflagellate biomass against time at station RET5.2 for the period of 1985 through 2002.

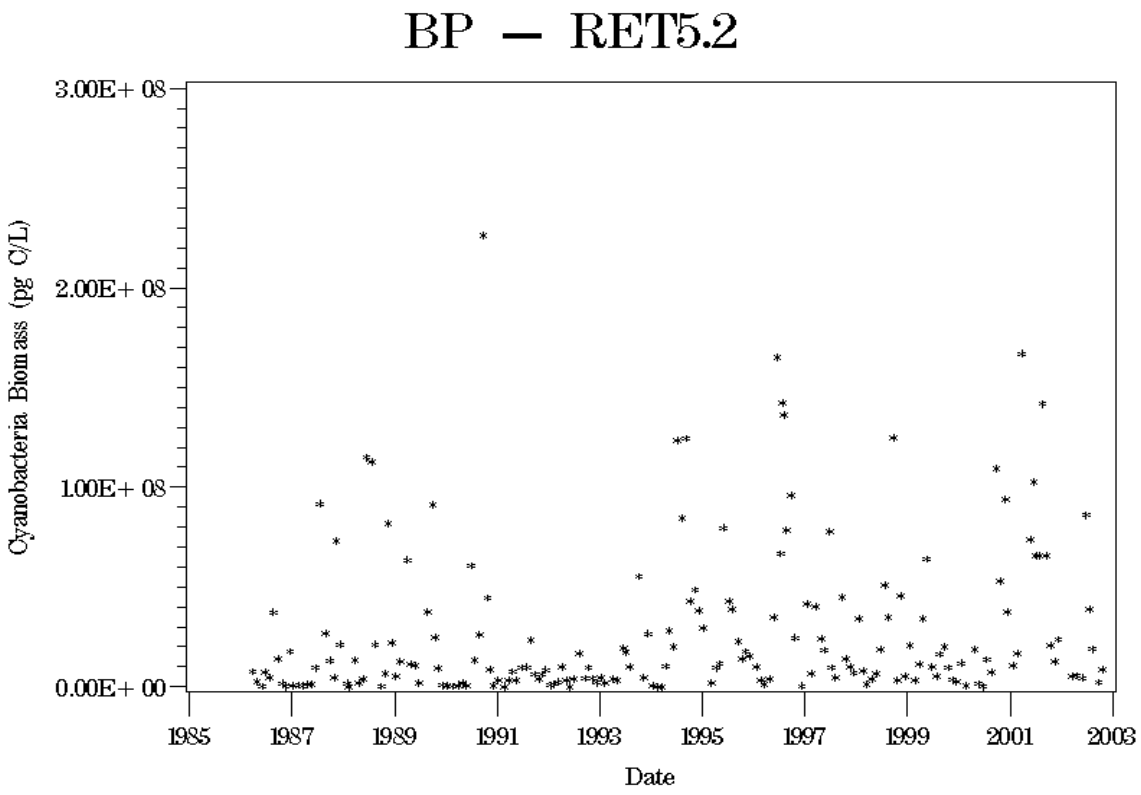

Figure F55. Plot of below pycnocline cyanobacteria biomass against time at station RET5.2 for the period of 1985 through 2002.

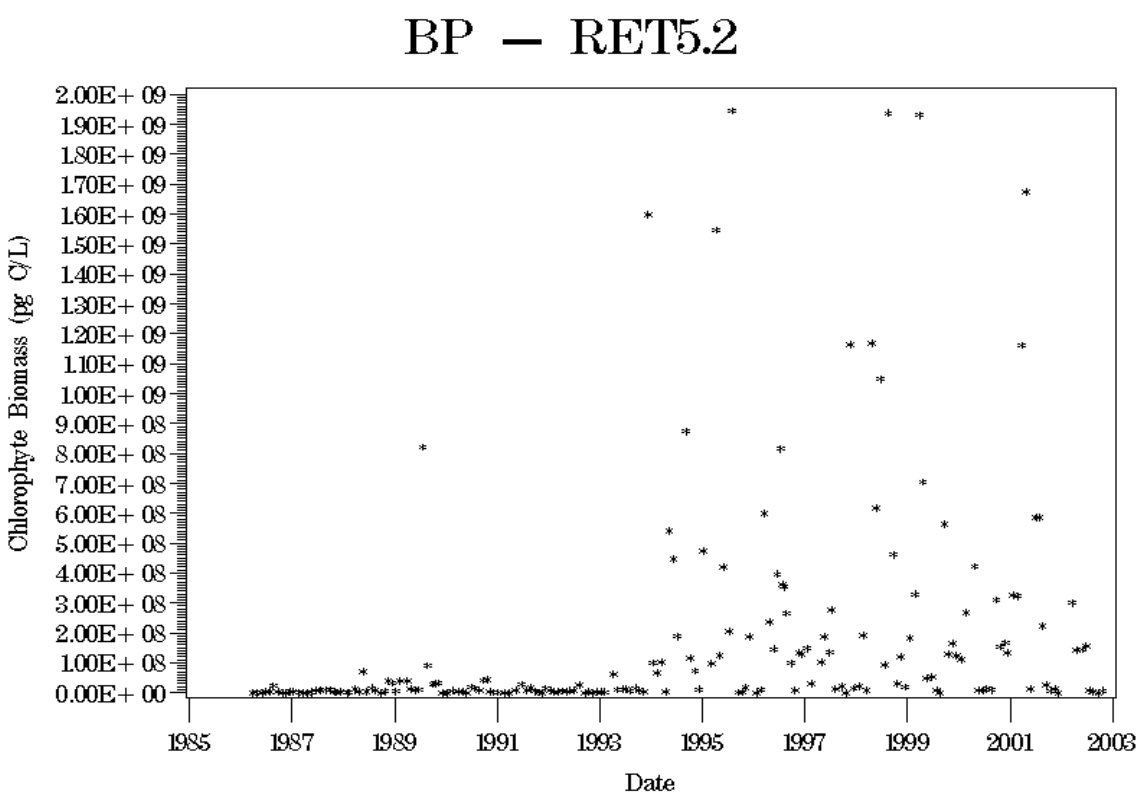

Figure F56. Plot of below pycnocline chlorophyte biomass against time at station RET5.2 for the period of 1985 through 2002.

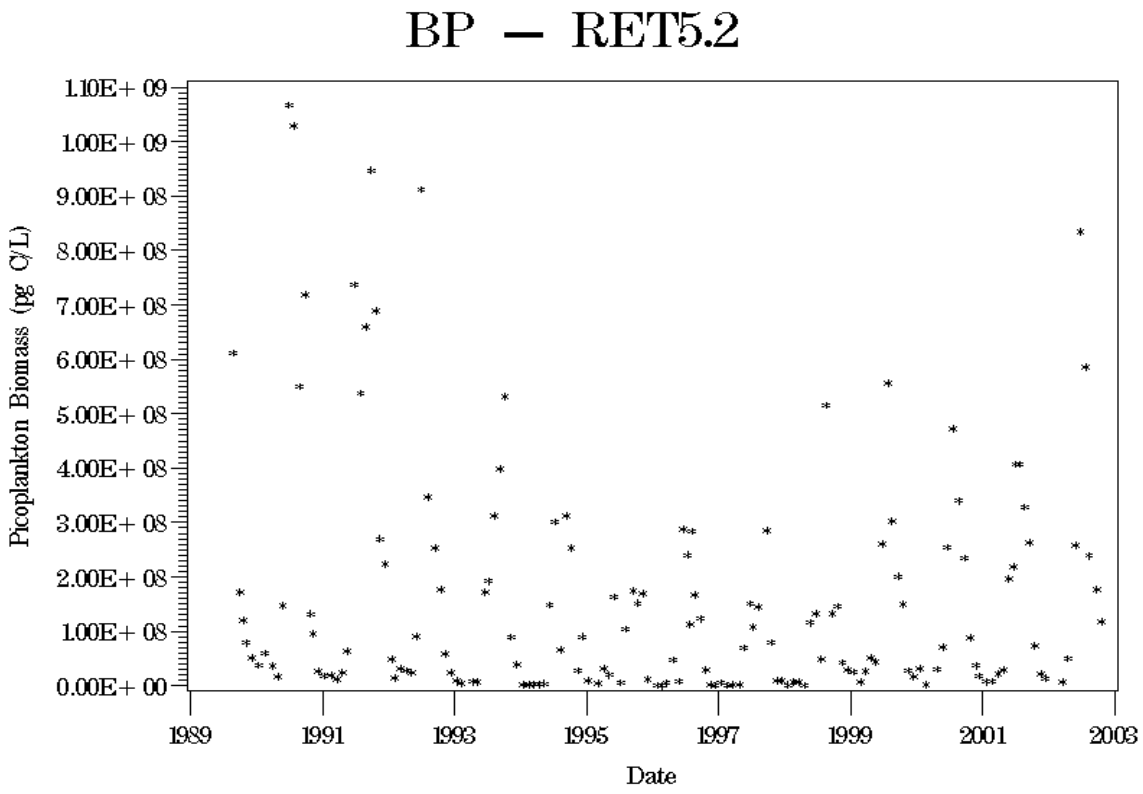

Figure F57. Plot of below pycnocline picoplankton biomass against time at station RET5.2 for the period of 1985 through 2002.

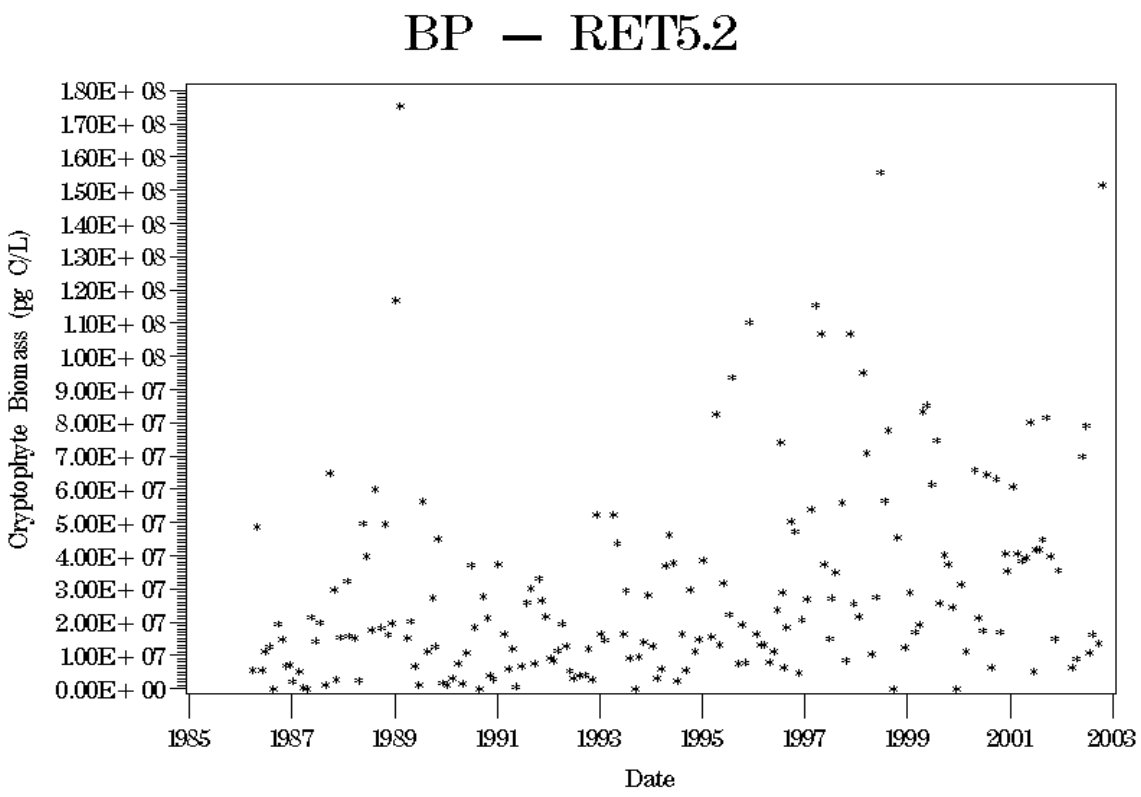

Figure F58. Plot of below pycnocline cryptophyte biomass at station RET5.2 for the period of 1985 through 2002.

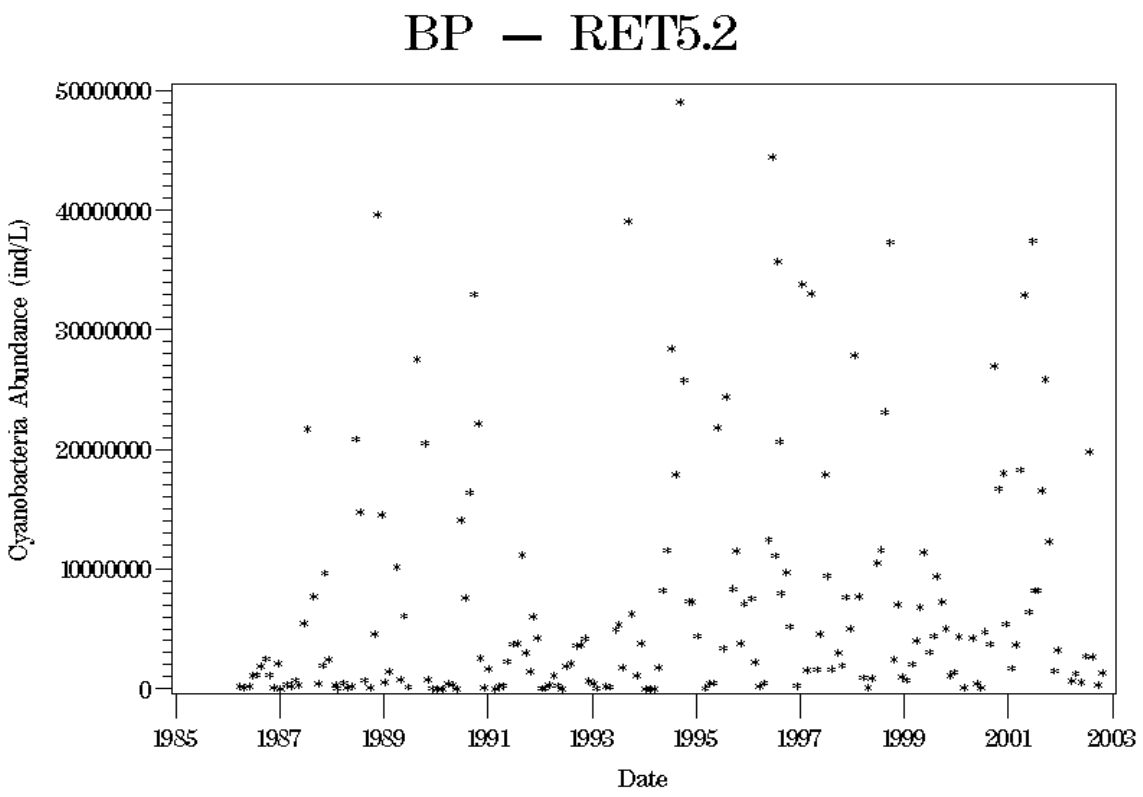

Figure F59. Plot of below pycnocline cyanophyte abundance at station RET5.2 for the period of 1985 through 2002.

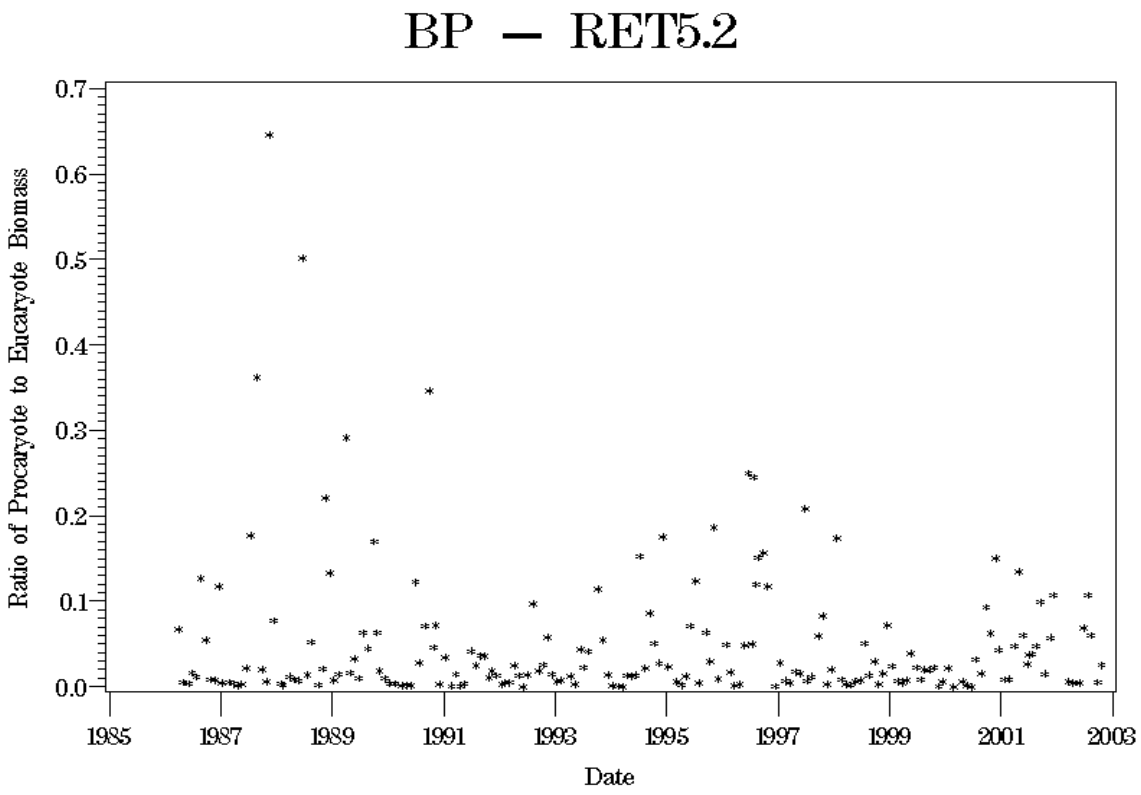

Figure F60. Plot of below pycnocline ratio of procaryote to eucaryote biomass at station RET5.2 for the period of 1985 through 2002.

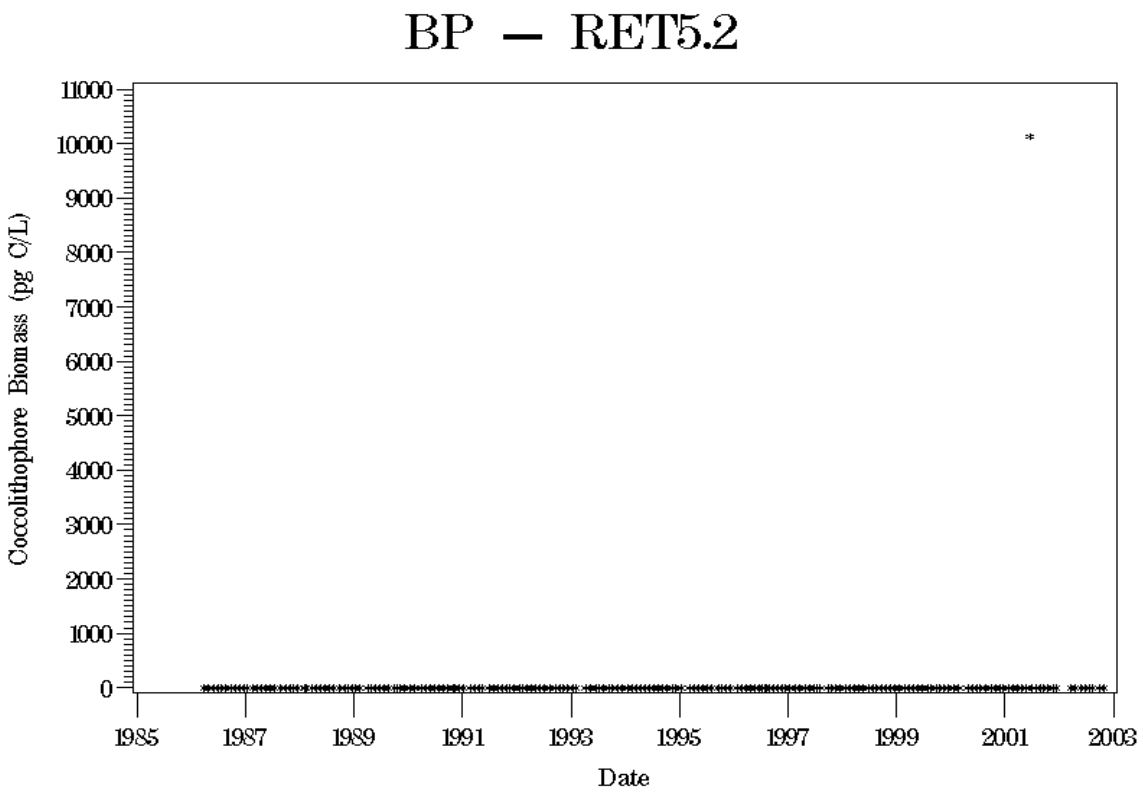

Figure F6l. Plot of below pycnocline coccolithophore biomass at station RET5.2 for the period of 1985 through 2002.

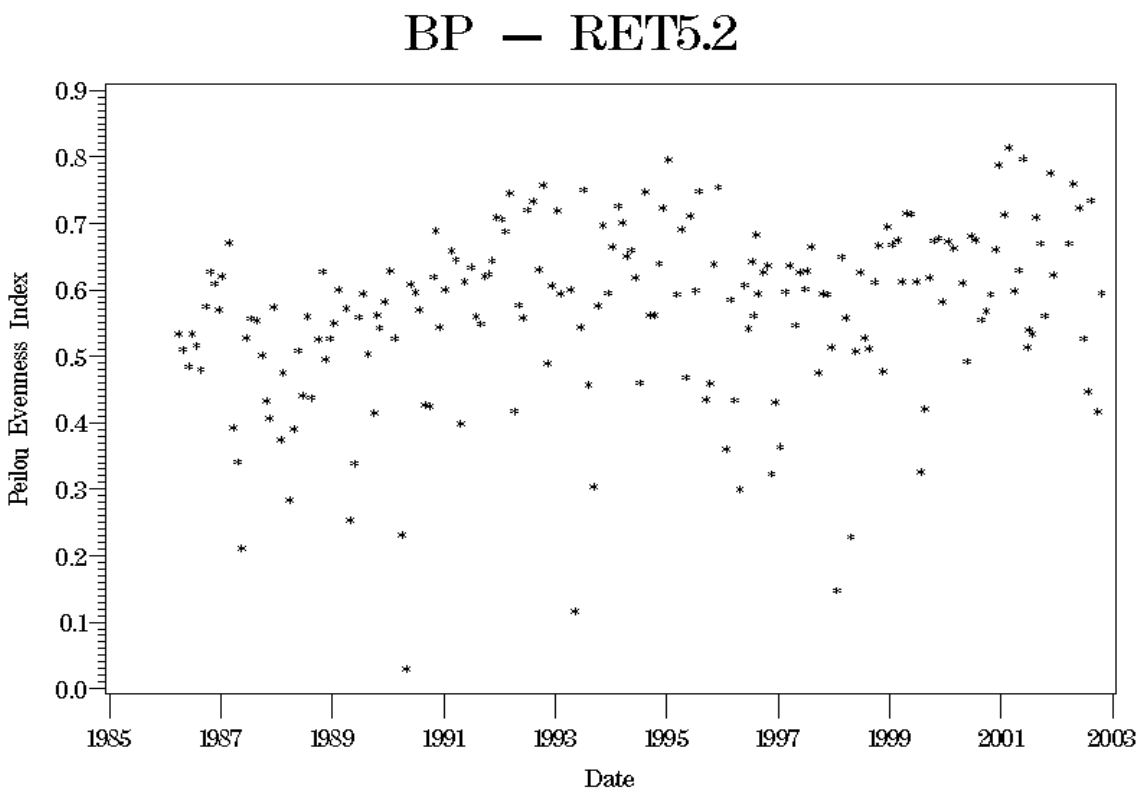

Figure F62. Plot of below pycnocline Pielou evenness index at station RET5.2 for the period of 1985 through 2002.

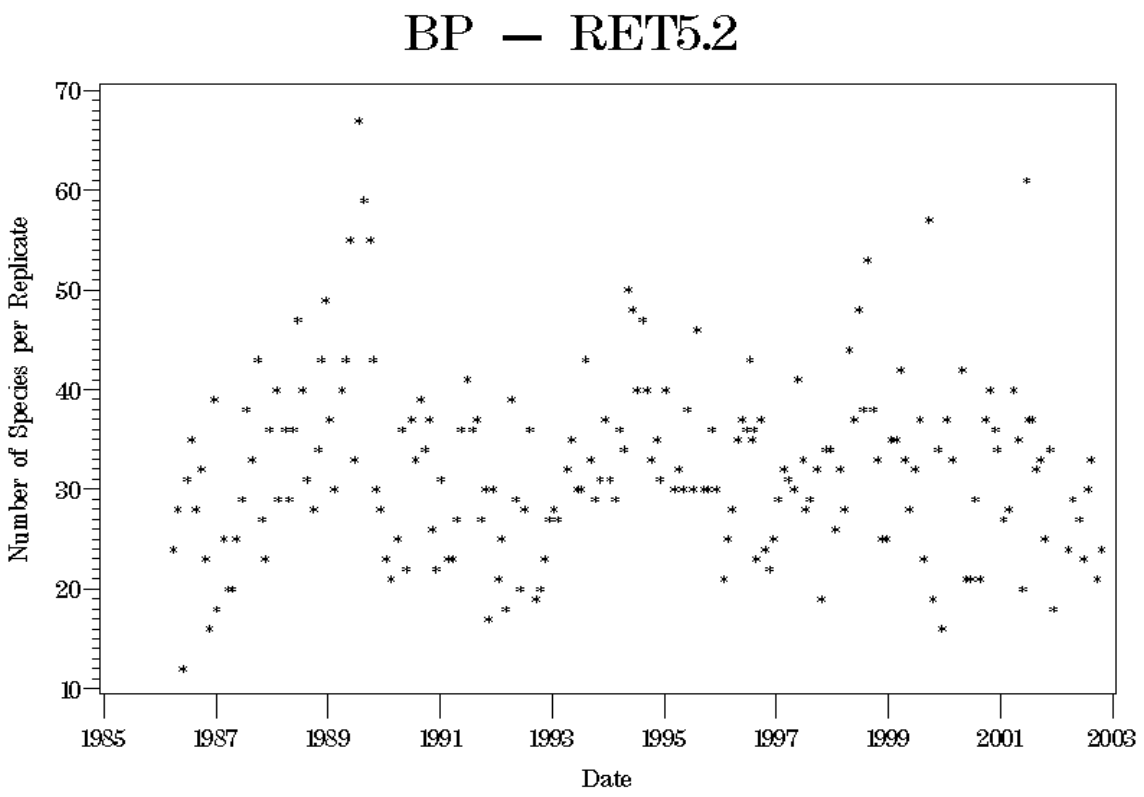

Figure F63. Plot of below pycnocline number of species per replicate at station RET5.2 for the period of 1985 through 2002.

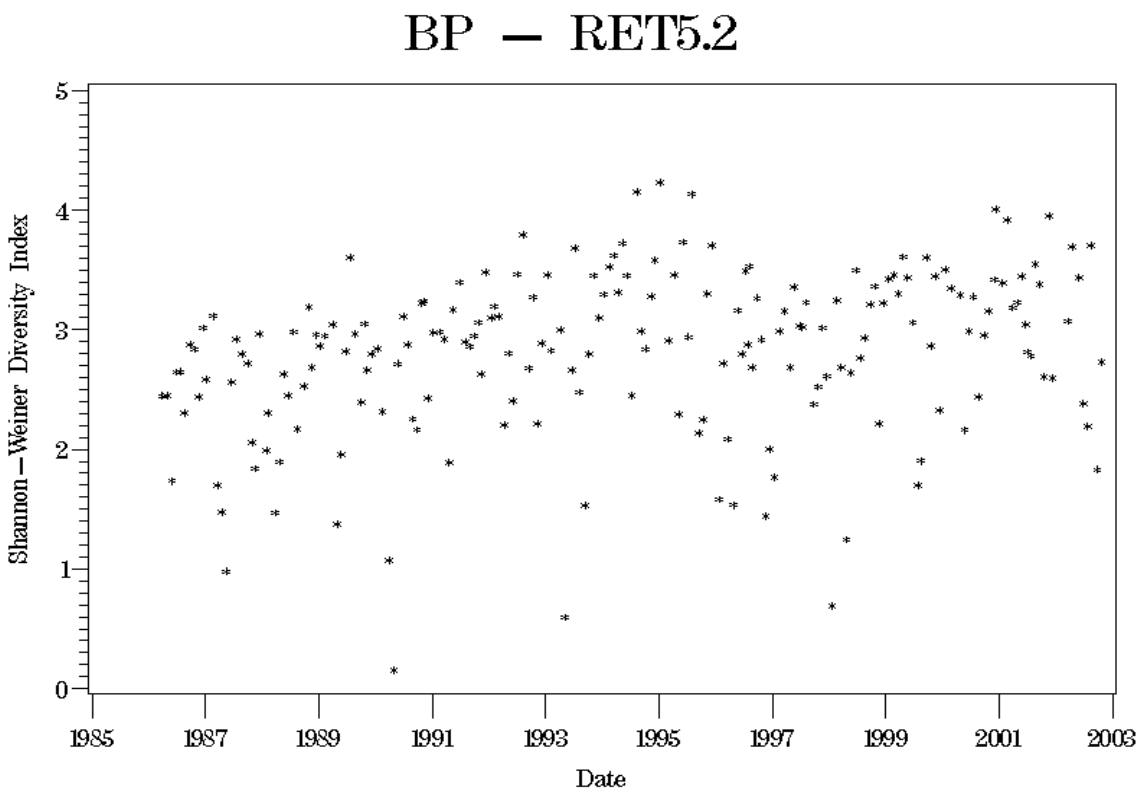

Figure F64. Plot of below pycnocline Shannon-Weiner Diversity index at station RET5.2 for the period of 1985 through 2002.

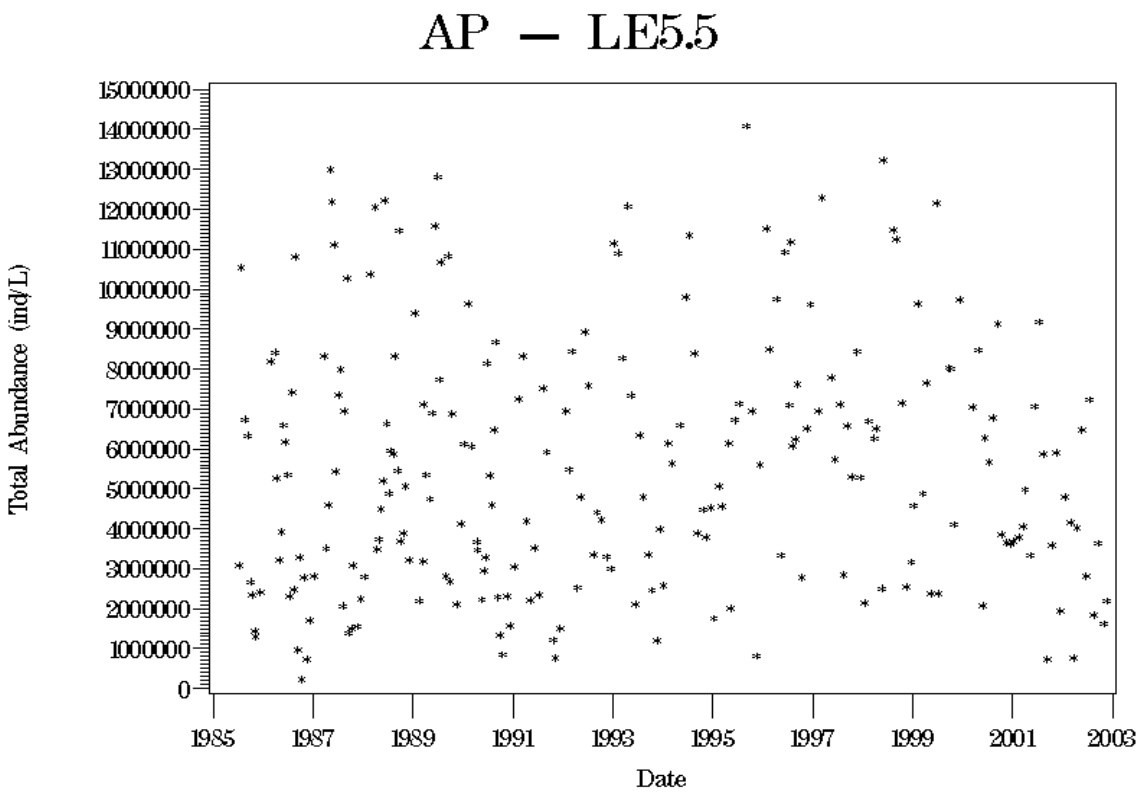

Figure F65. Plot of above pycnocline total phytoplankton abundance against time at station LE5.5 for the period of 1985 through 2002.

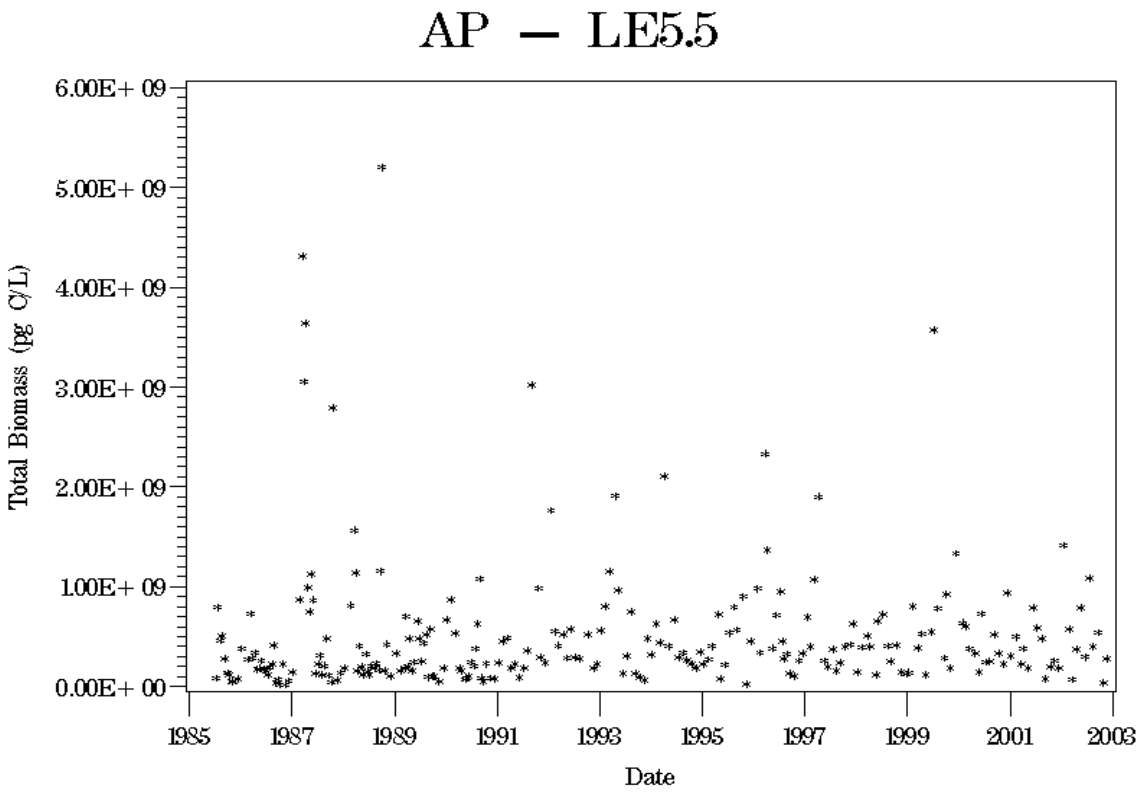

Figure F66. Plot of above pycnocline total phytoplankton biomass against time at station LE5.5 for the period of 1985 through 2002.

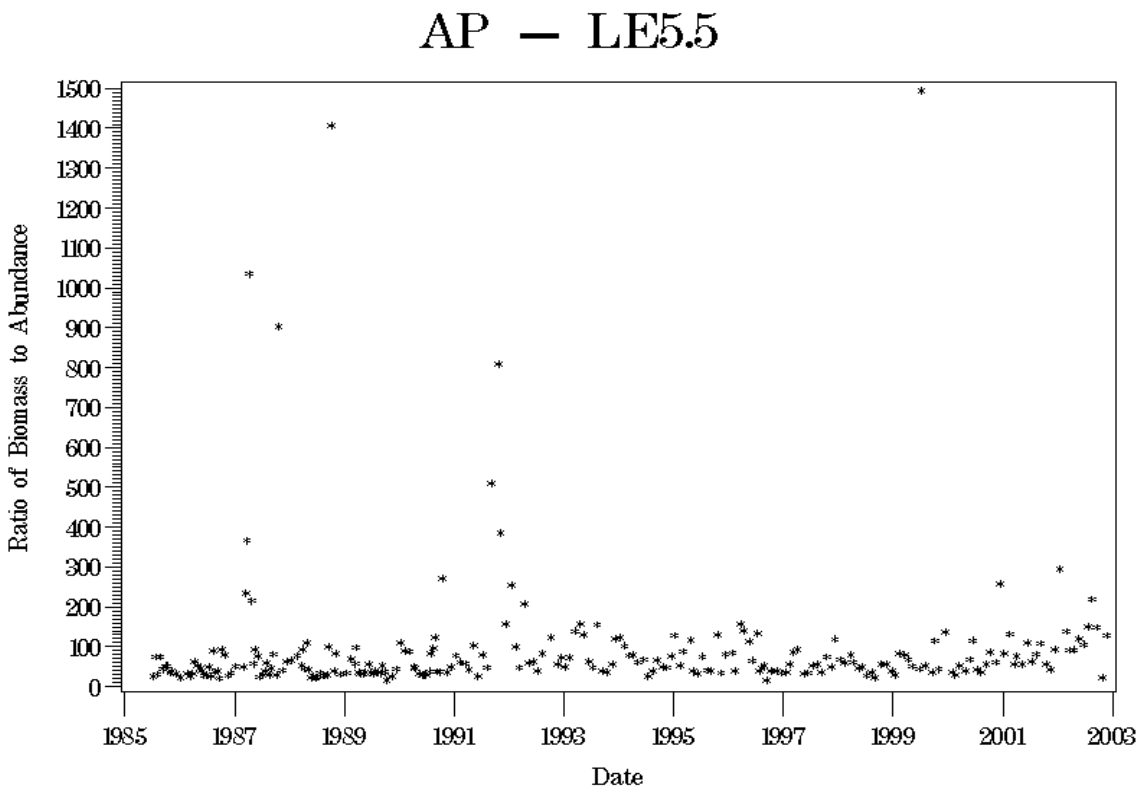

Figure F67. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station LE5.5 for the period of 1985 through 2002.

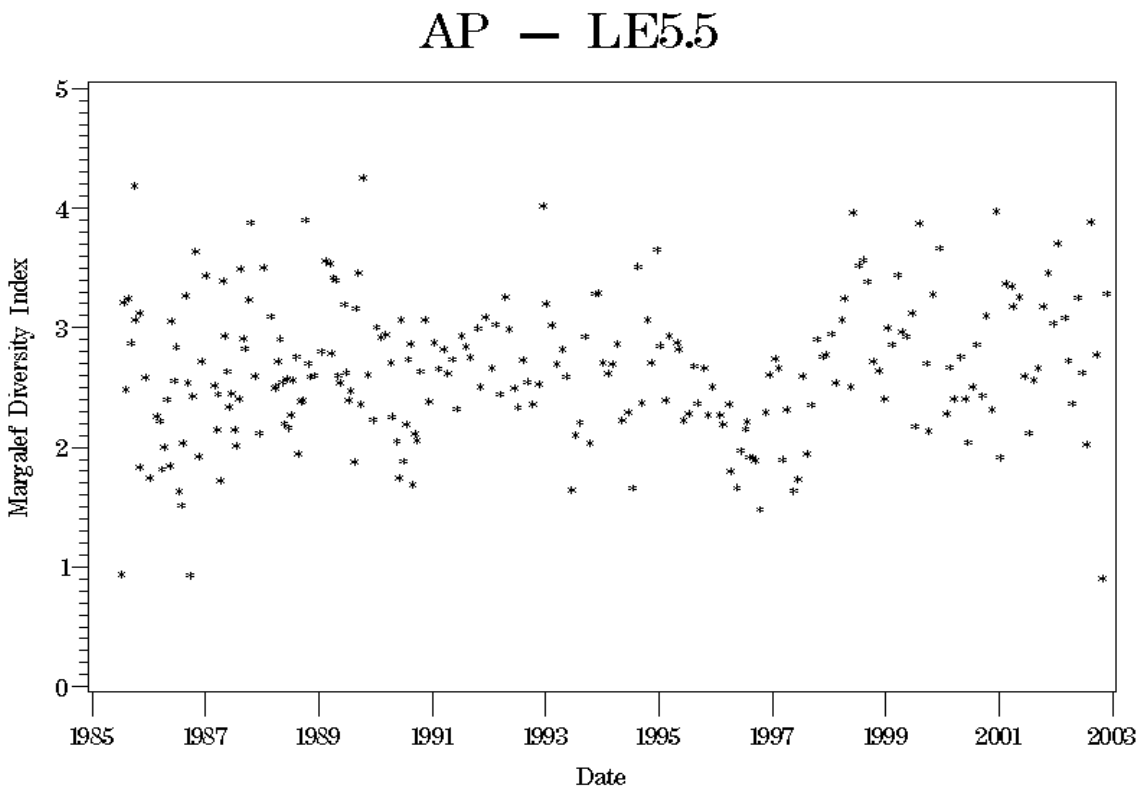

Figure F68. Plot of above pycnocline Margalef diversity index against time at station LE5.5 for the period of 1985 through 2002.

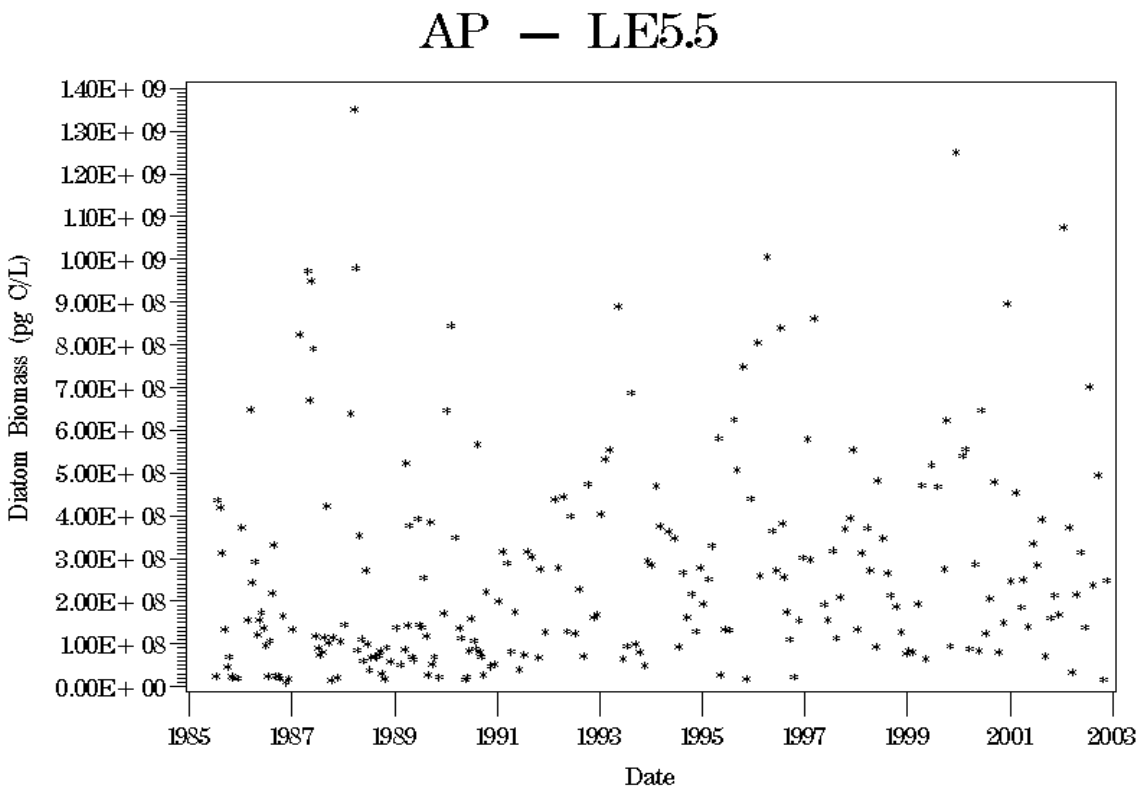

Figure F69. Plot of above pycnocline diatom biomass against time at station LE5.5 for the period of 1985 through 2002.

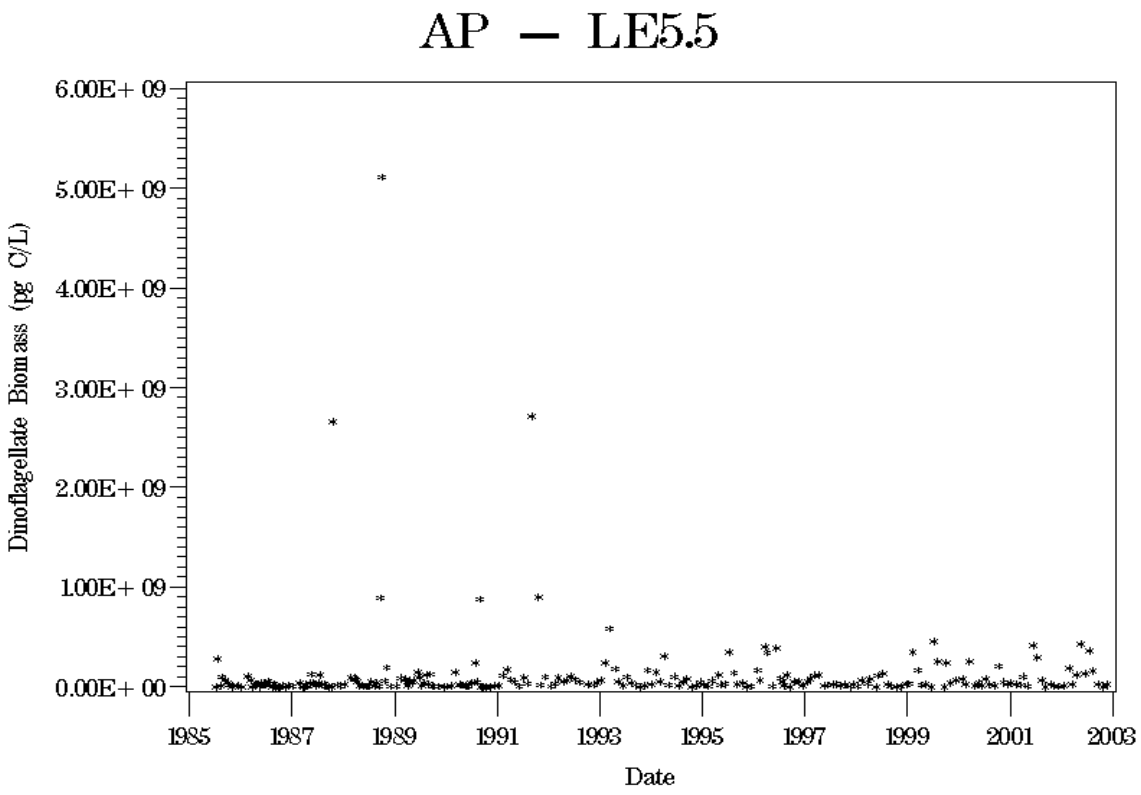

Figure F70. Plot of above pycnocline dinoflagellate biomass against time at station LE5.5 for the period of 1985 through 2002.

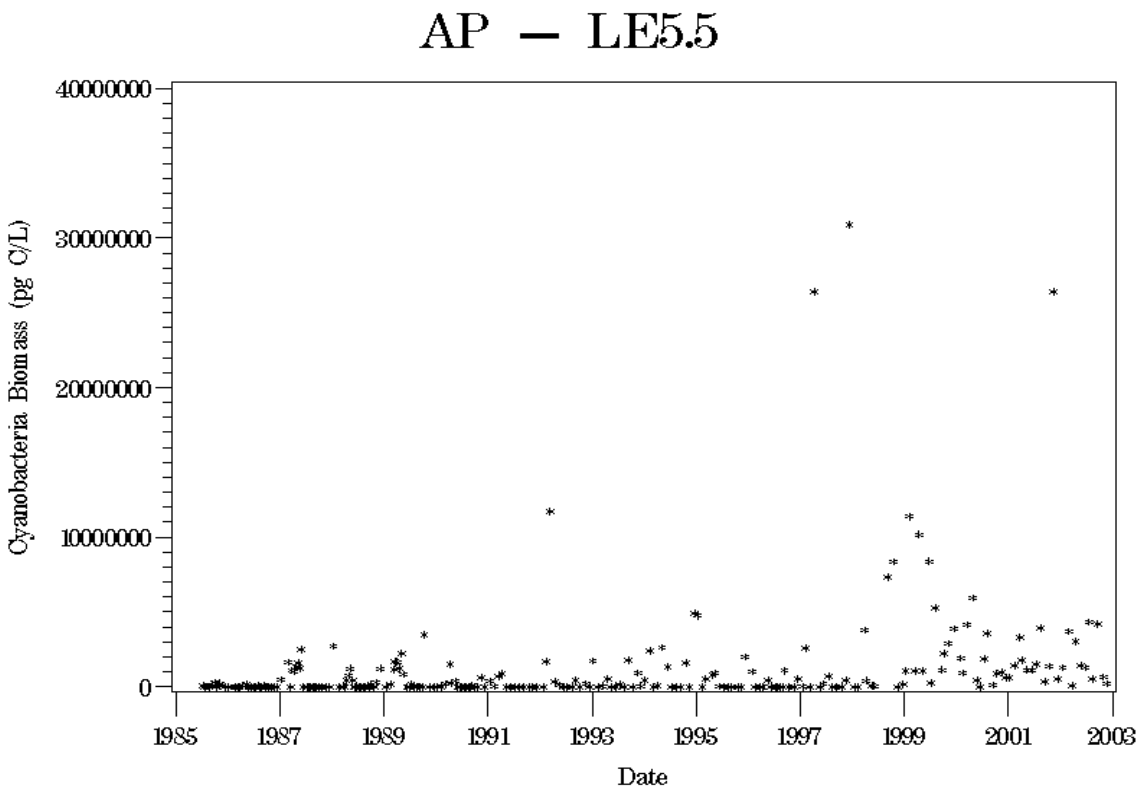

Figure F71. Plot of above pycnocline cyanobacteria biomass against time at station LE5.5 for the period of 1985 through 2002.

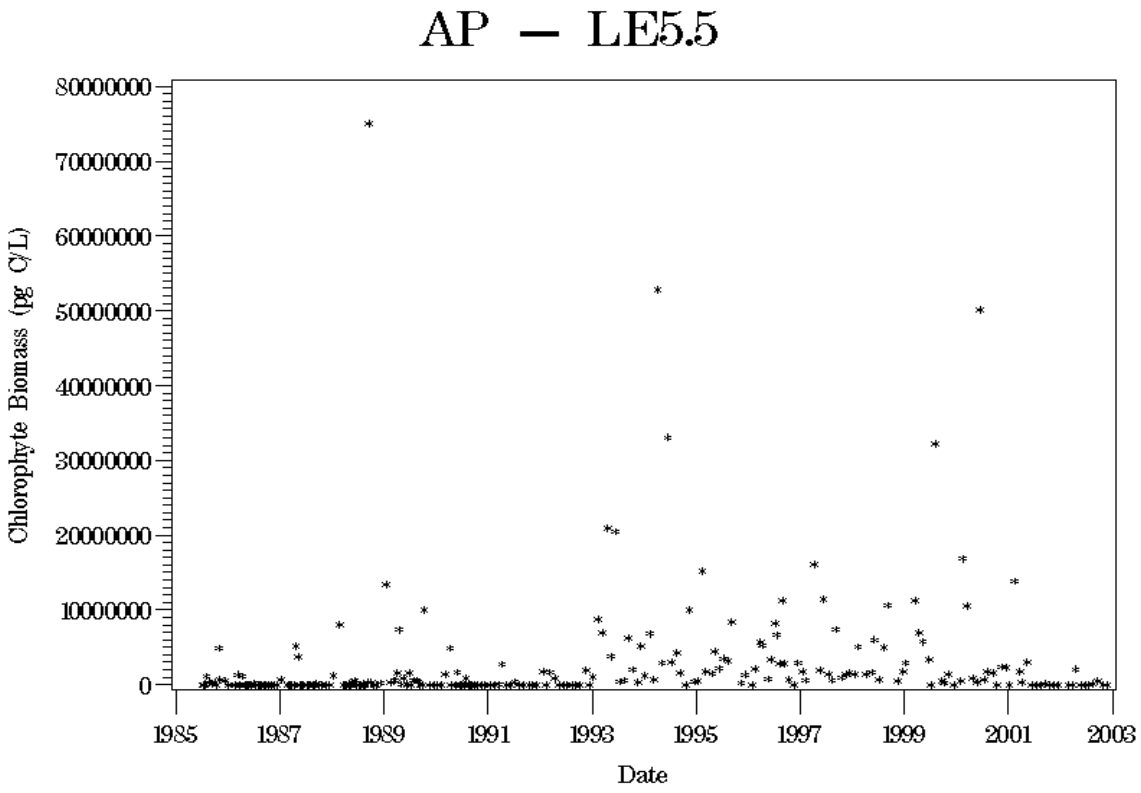

Figure F72. Plot of above pycnocline chlorophyte biomass against time at station LE5.5 for the period of 1985 through 2002.

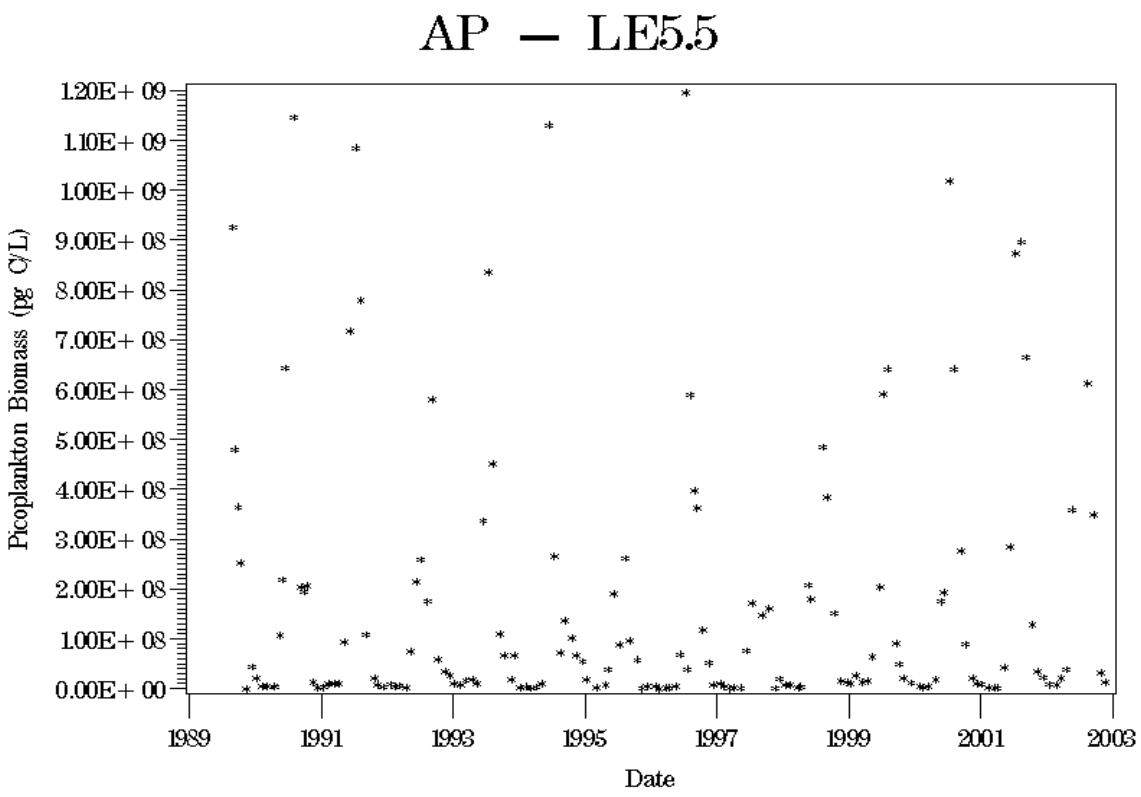

Figure F73. Plot of above pycnocline picoplankton biomass against time at station LE5.5 for the period of 1985 through 2002.

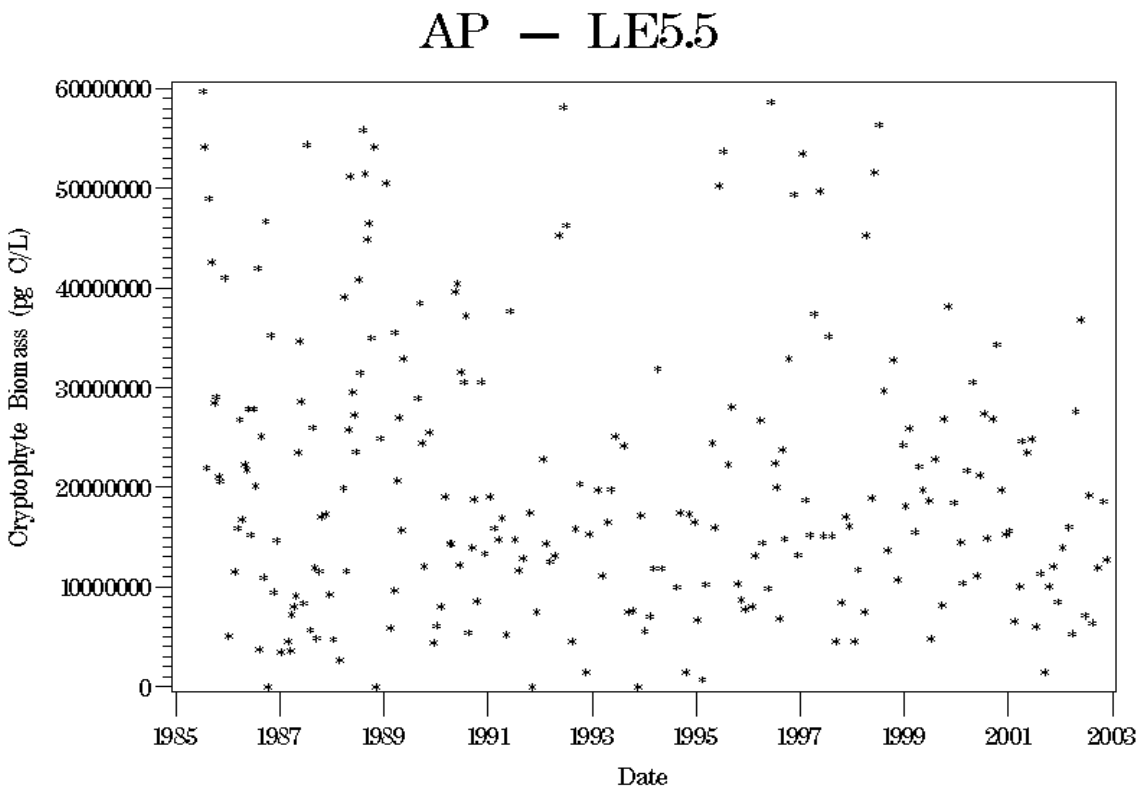

Figure F74. Plot of above pycnocline cryptophyte biomass at station LE5.5 for the period of 1985 through 2002.

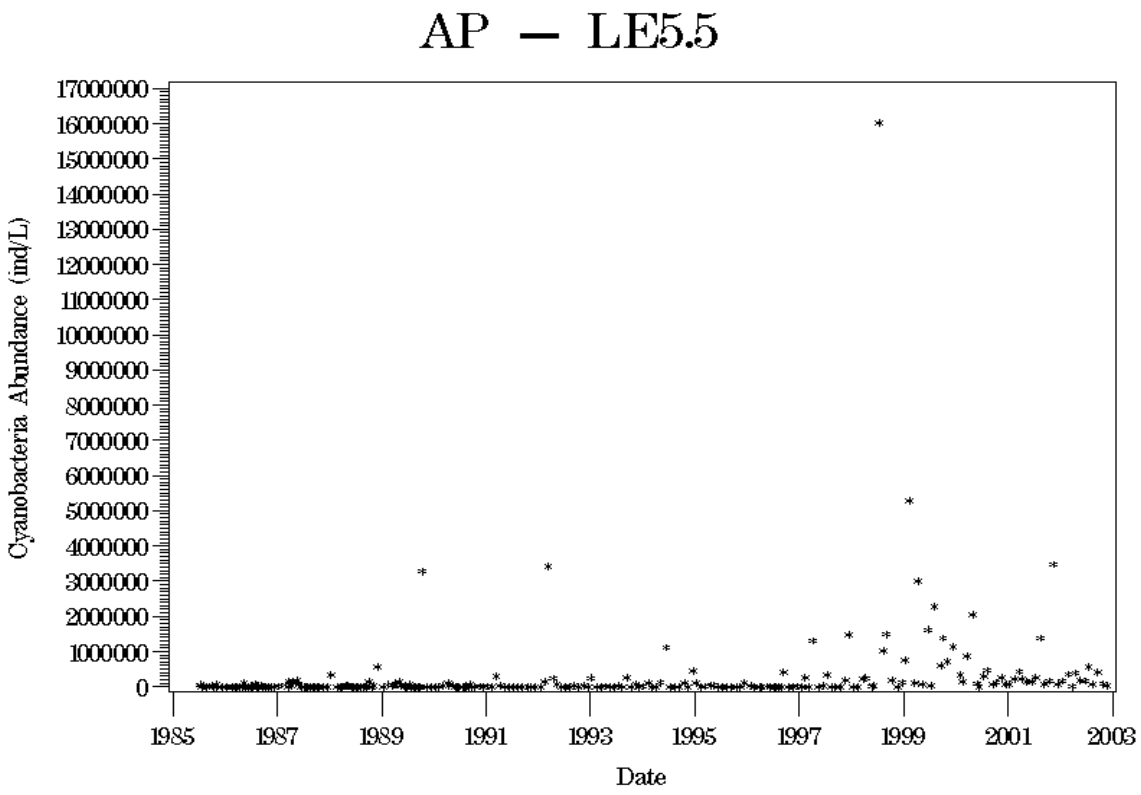

Figure F75. Plot of above pycnocline cyanophyte abundance at station LE5.5 for the period of 1985 through 2002.

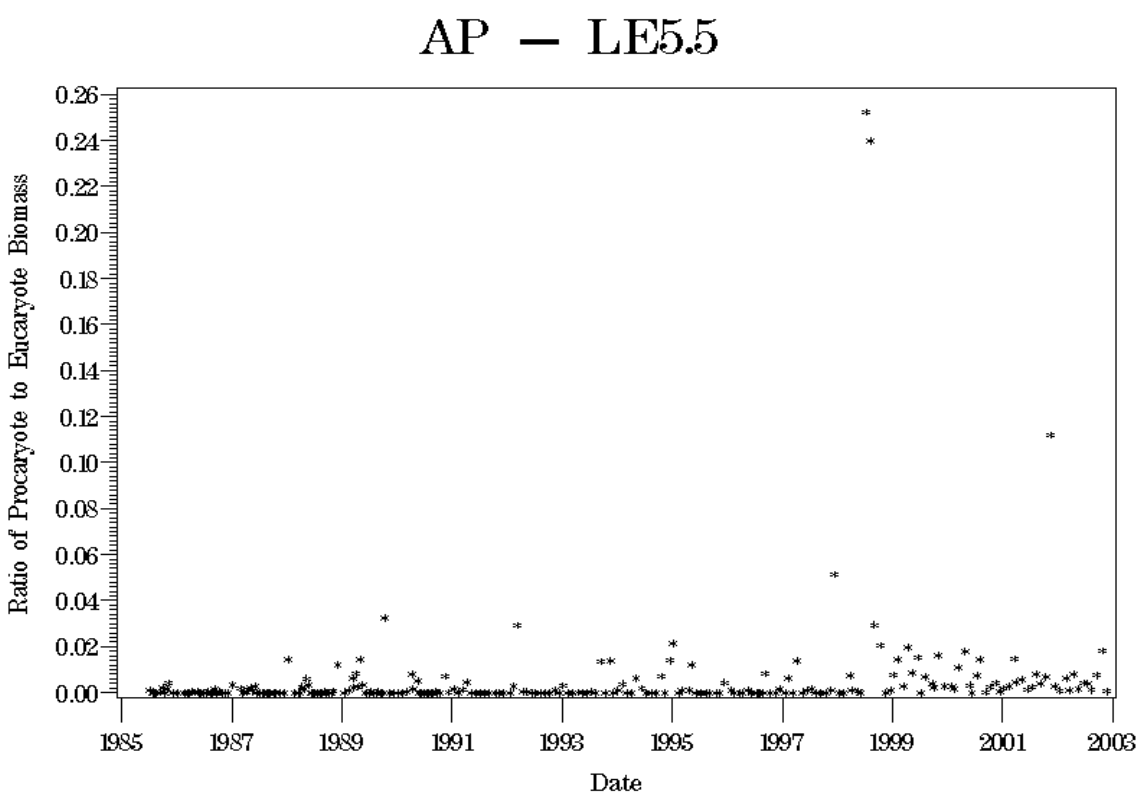

Figure F76. Plot of above pycnocline ratio of procaryote to eucaryote biomass at station LE5.5 for the period of 1985 through 2002.

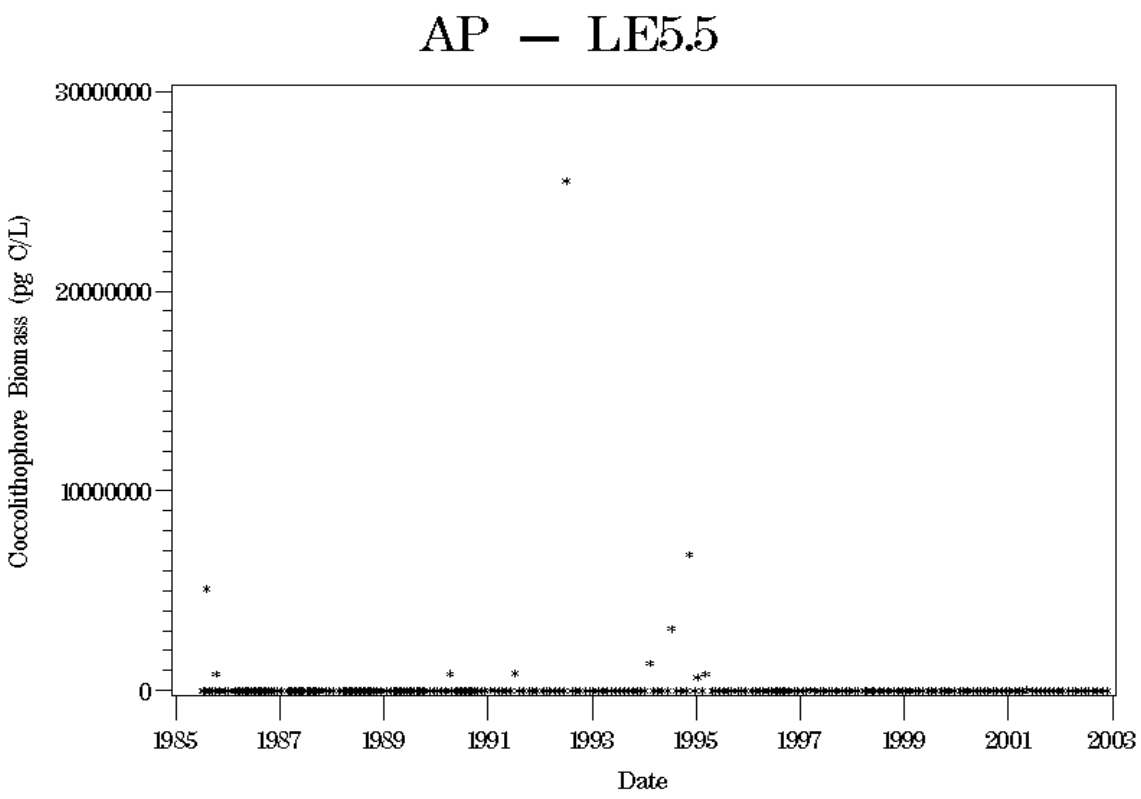

Figure F77. Plot of above pycnocline coccolithophore biomass at station LE5.5 for the period of 1985 through 2002.

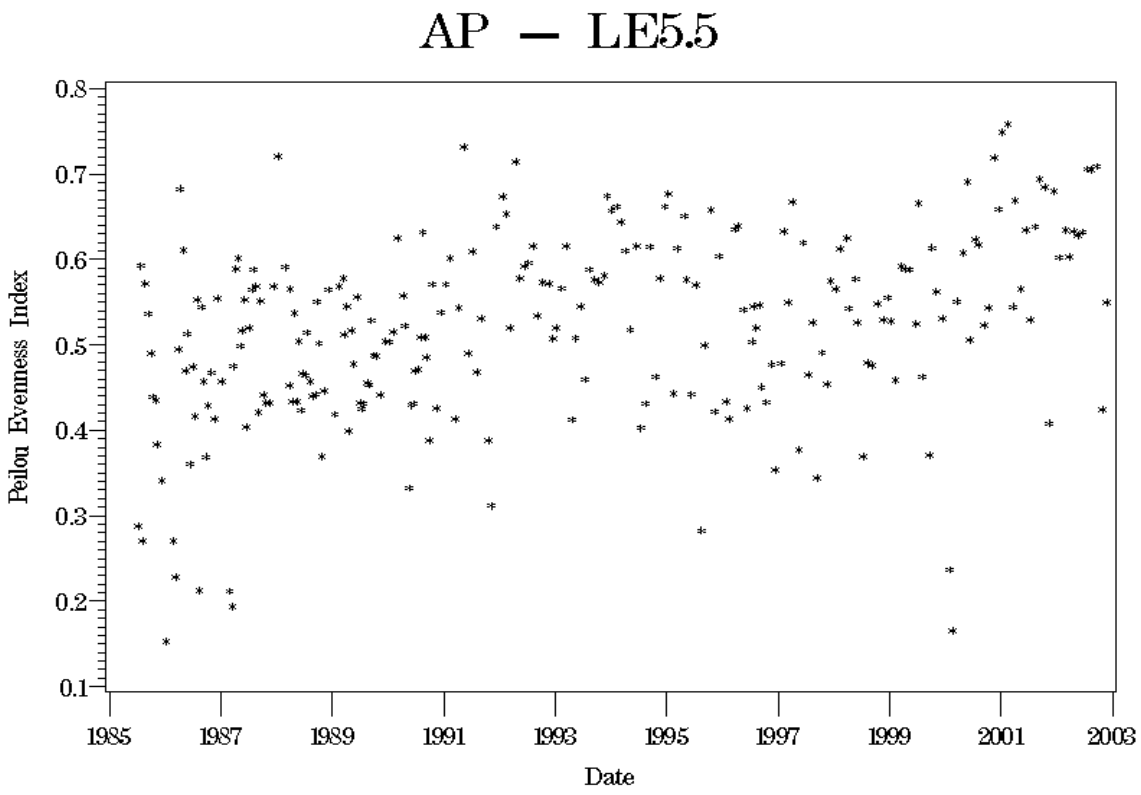

Figure F78. Plot of above pycnocline Peilou evenness index at station LE5.5 for the period of 1985 through 2002.

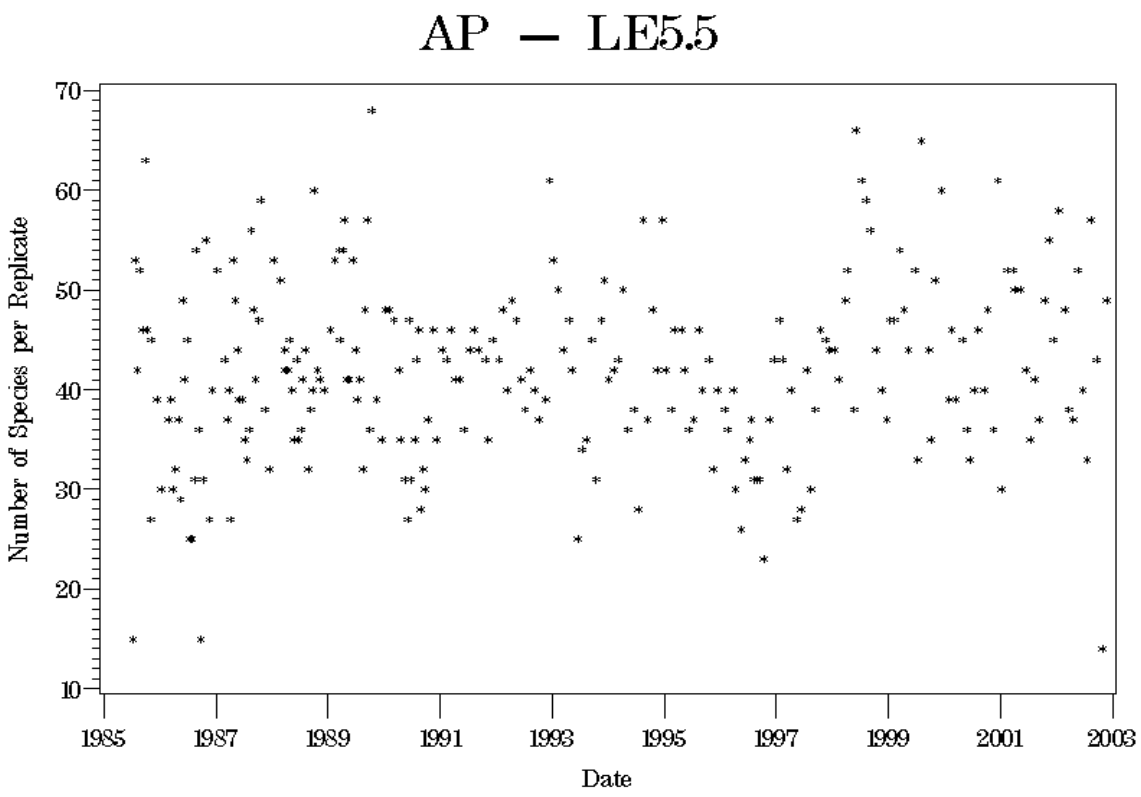

Figure F79. Plot of above pycnocline number of species per replicate at station LE5.5 for the period of 1985 through 2002.

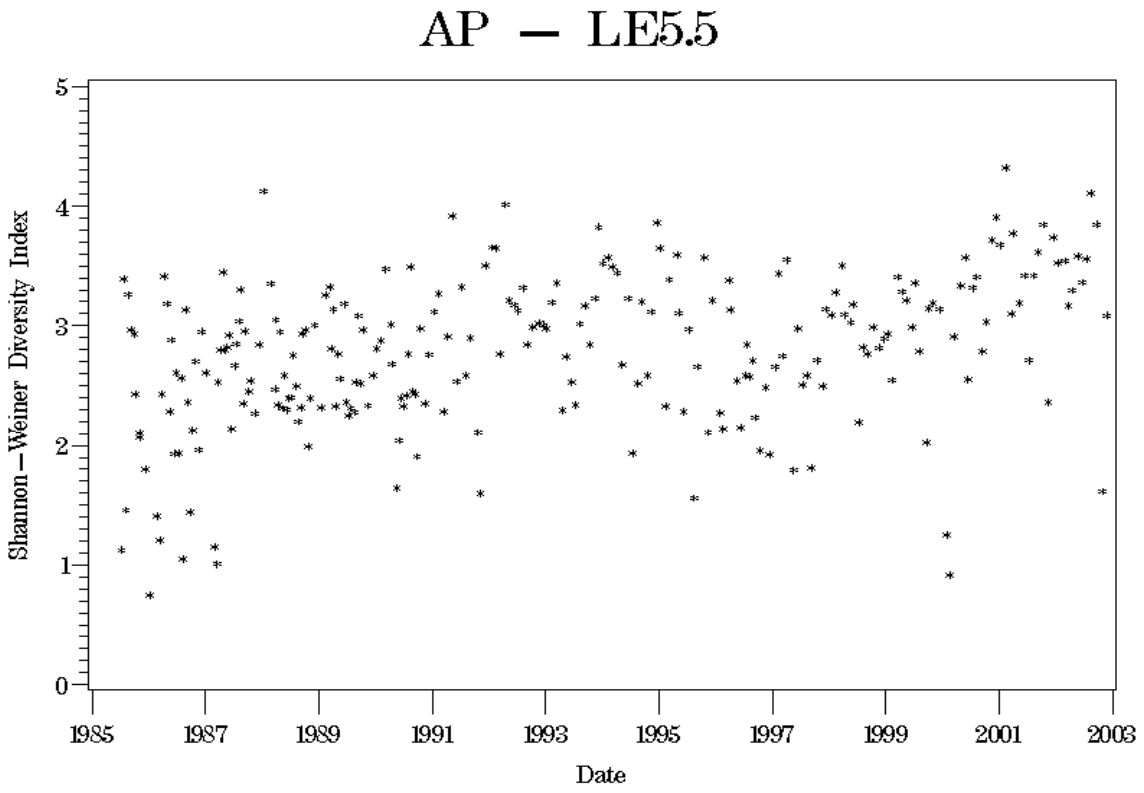

Figure F80. Plot of above pycnocline Shannon-Weiner Diversity index at station LE5.5 for the period of 1985 through 2002.

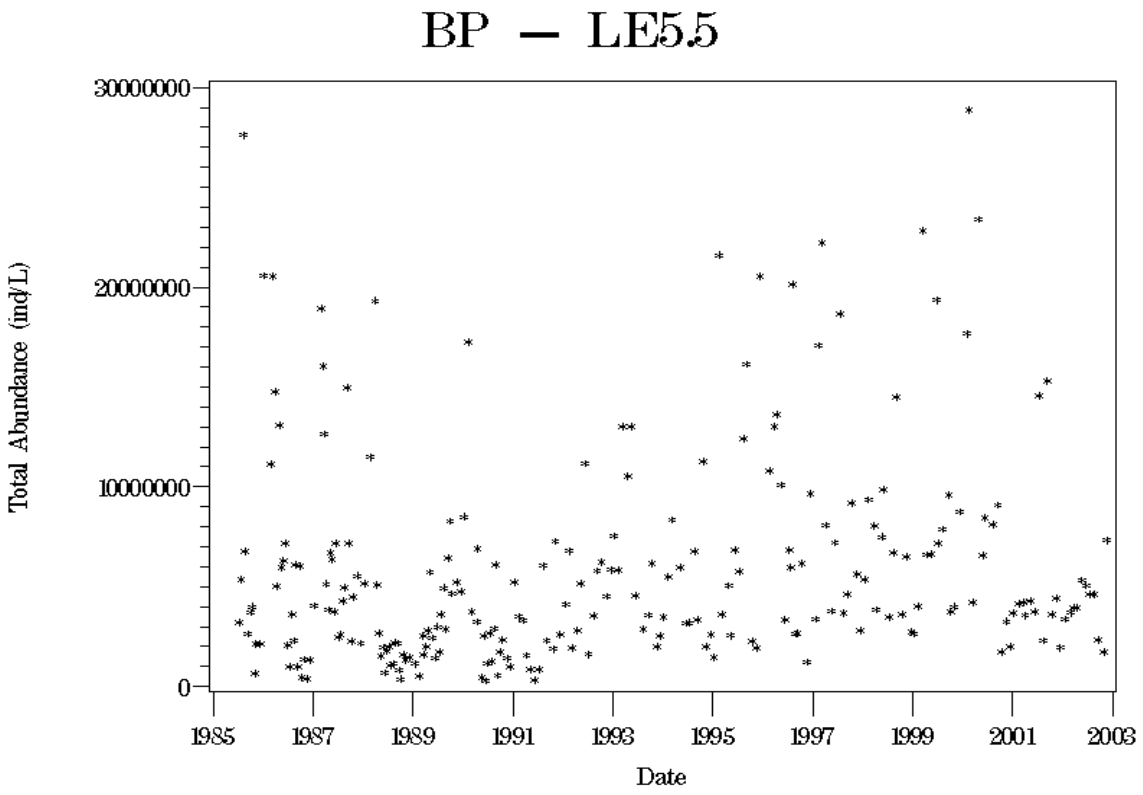

Figure F81. Plot of below pycnocline total phytoplankton abundance against time at station LE5.5 for the period of 1985 through 2002.

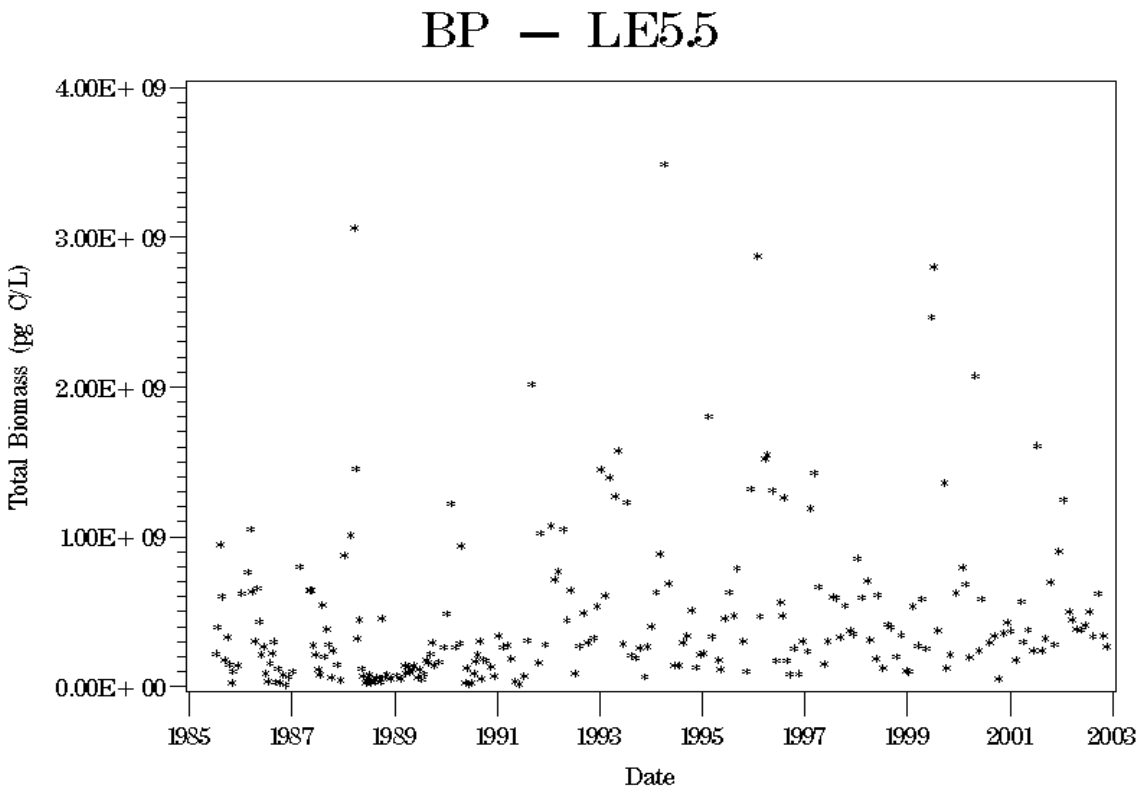

Figure F82. Plot of below pycnocline total phytoplankton biomass against time at station LE5.5 for the period of 1985 through 2002.

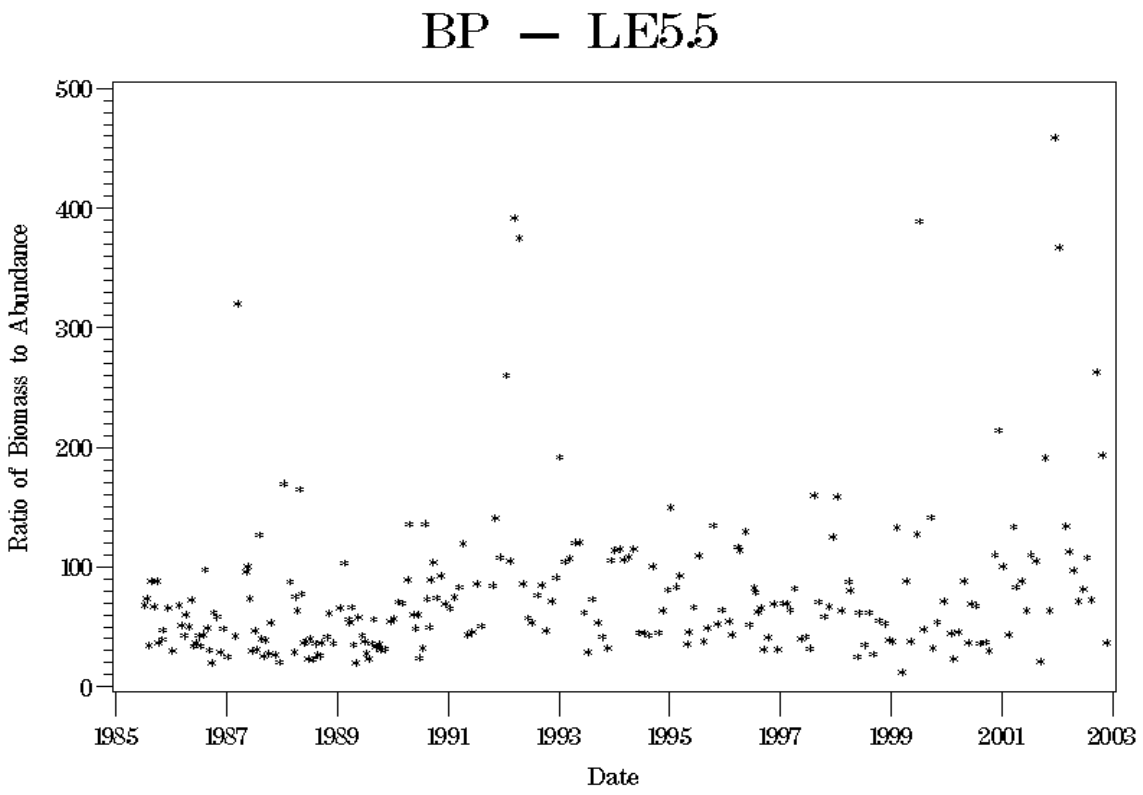

Figure F83. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station LE5.5 for the period of 1985 through 2002.

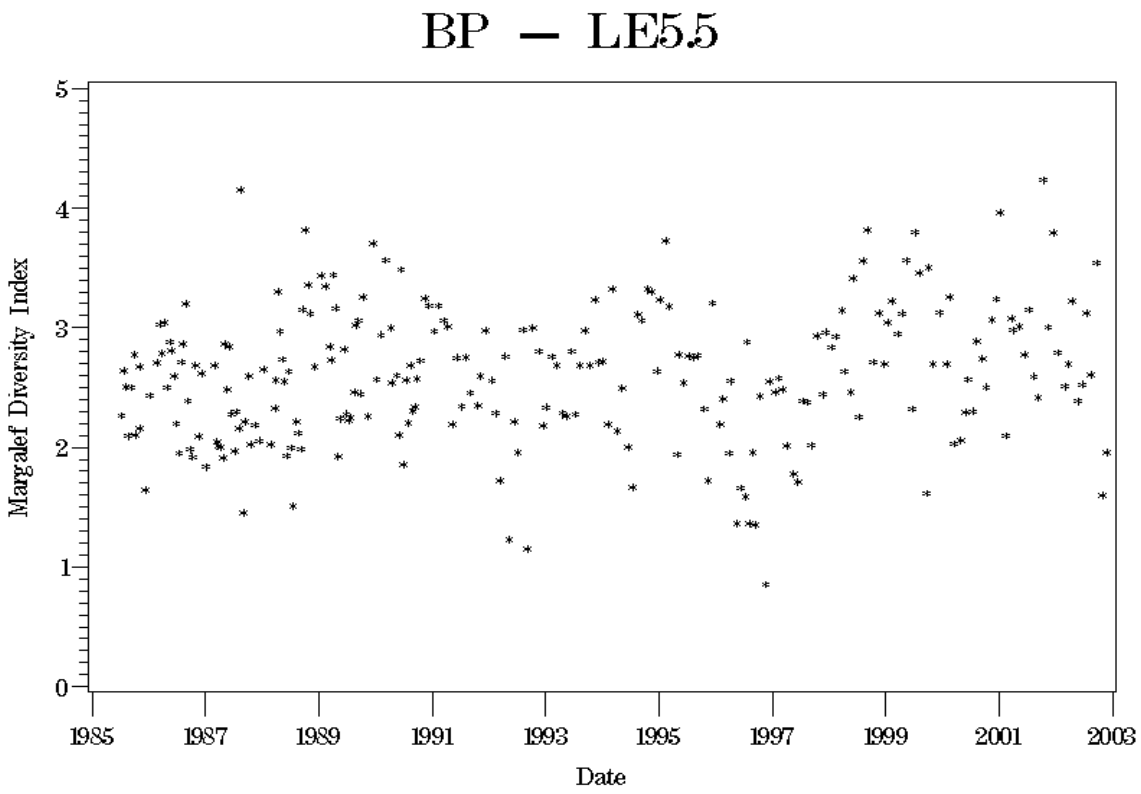

Figure F84. Plot of below pycnocline Margalef diversity index against time at station LE5.5 for the period of 1985 through 2002.

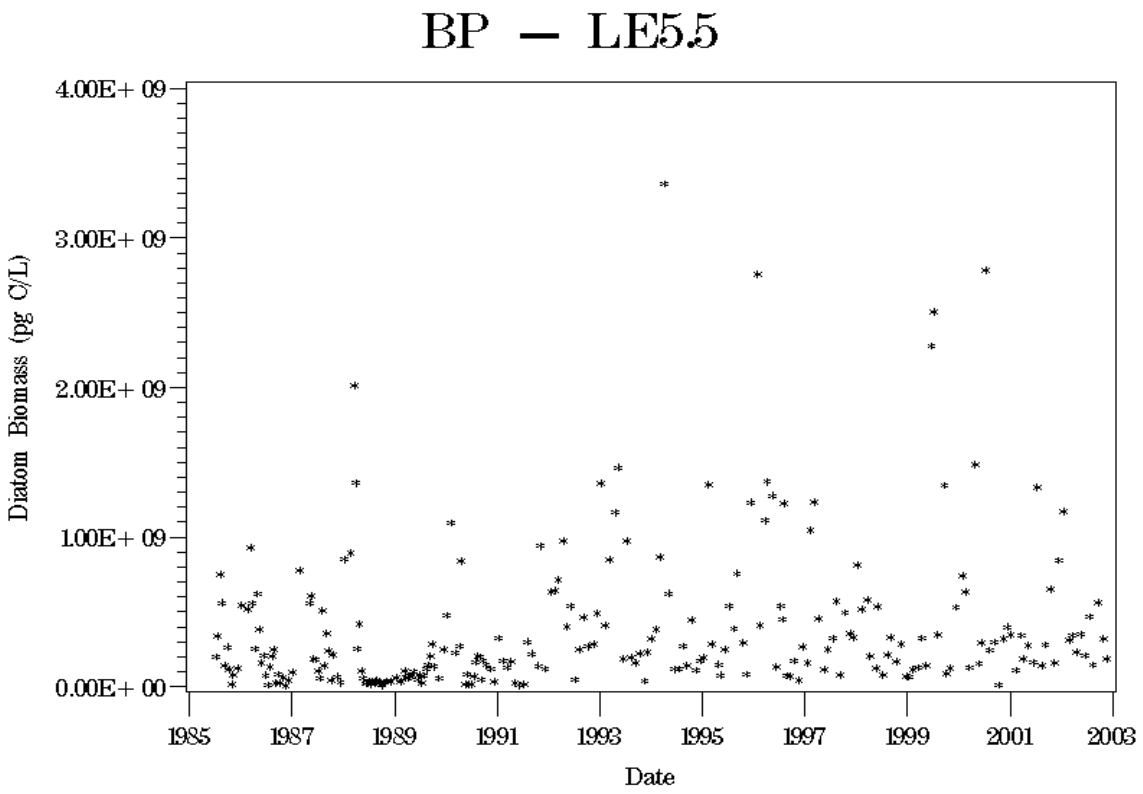

Figure F85. Plot of below pycnocline diatom biomass against time at station LE5.5 for the period of 1985 through 2002.

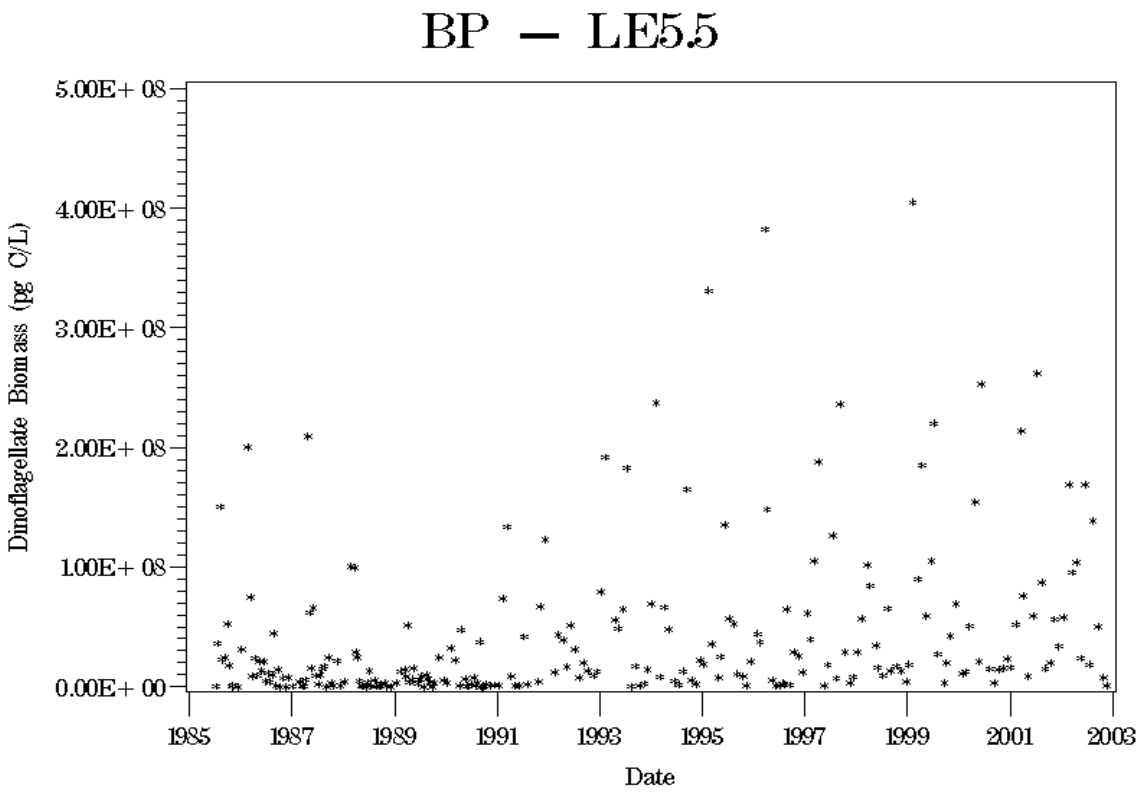

Figure F86. Plot of below pycnocline dinoflagellate biomass against time at station LE5.5 for the period of 1985 through 2002.

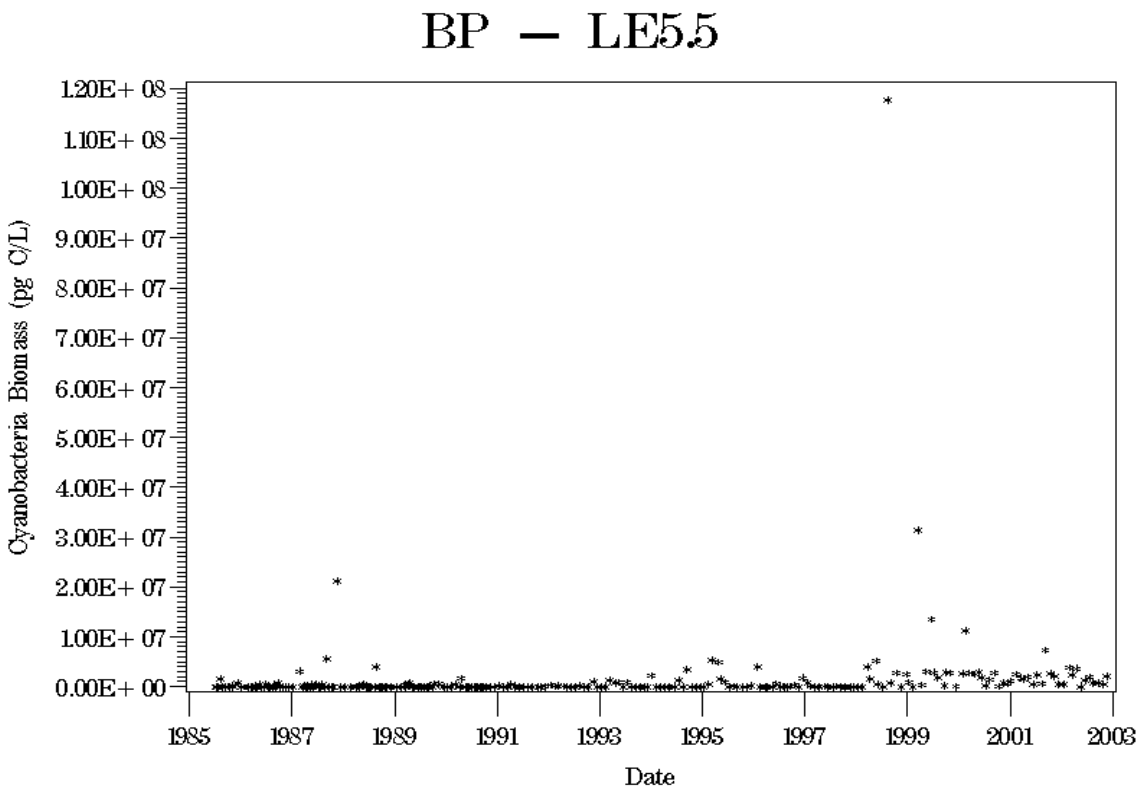

Figure F87. Plot of below pycnocline cyanobacteria biomass against time at station LE5.5 for the period of 1985 through 2002.

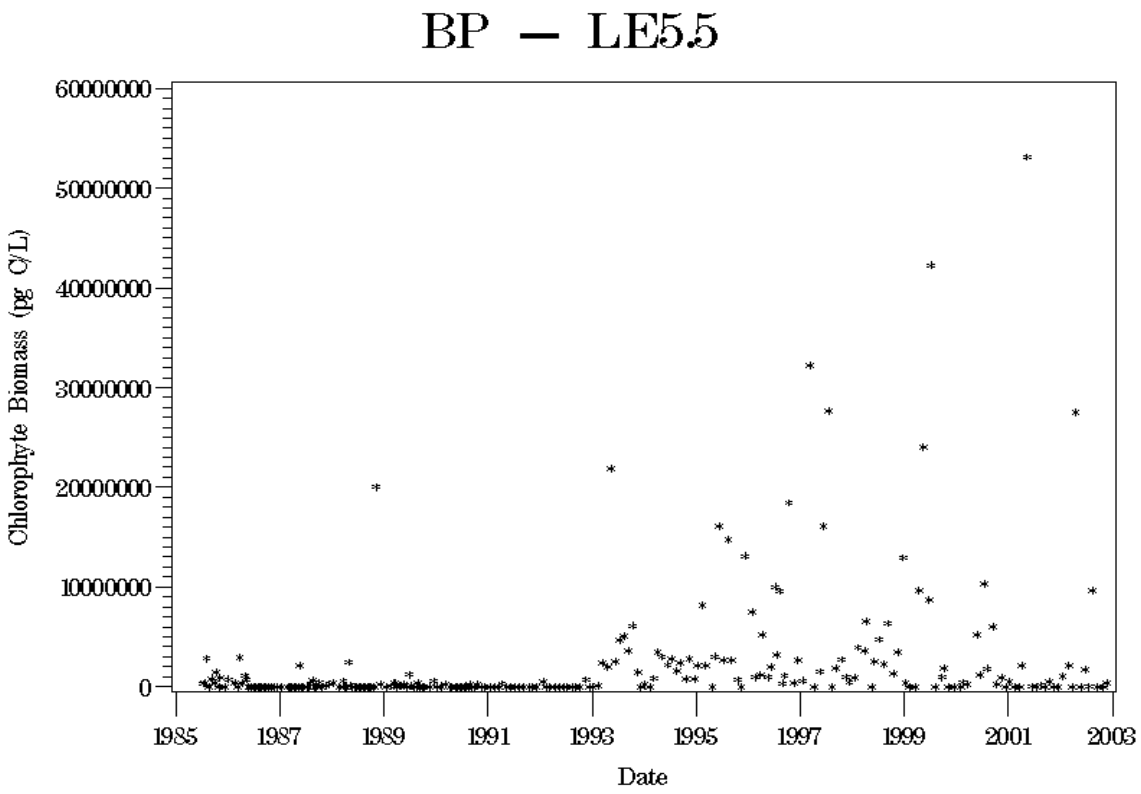

Figure F88. Plot of below pycnocline chlorophyte biomass against time at station LE5.5 for the period of 1985 through 2002.

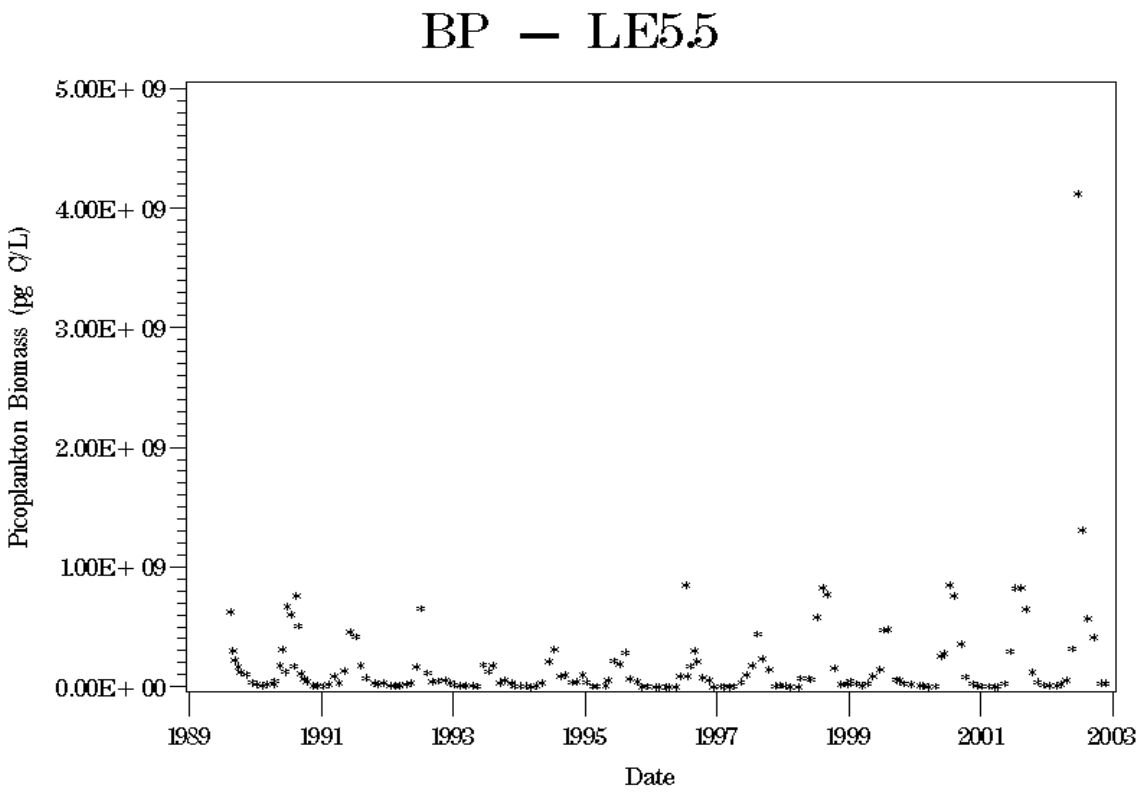

Figure F89. Plot of below pycnocline picoplankton biomass against time at station LE5.5 for the period of 1985 through 2002.

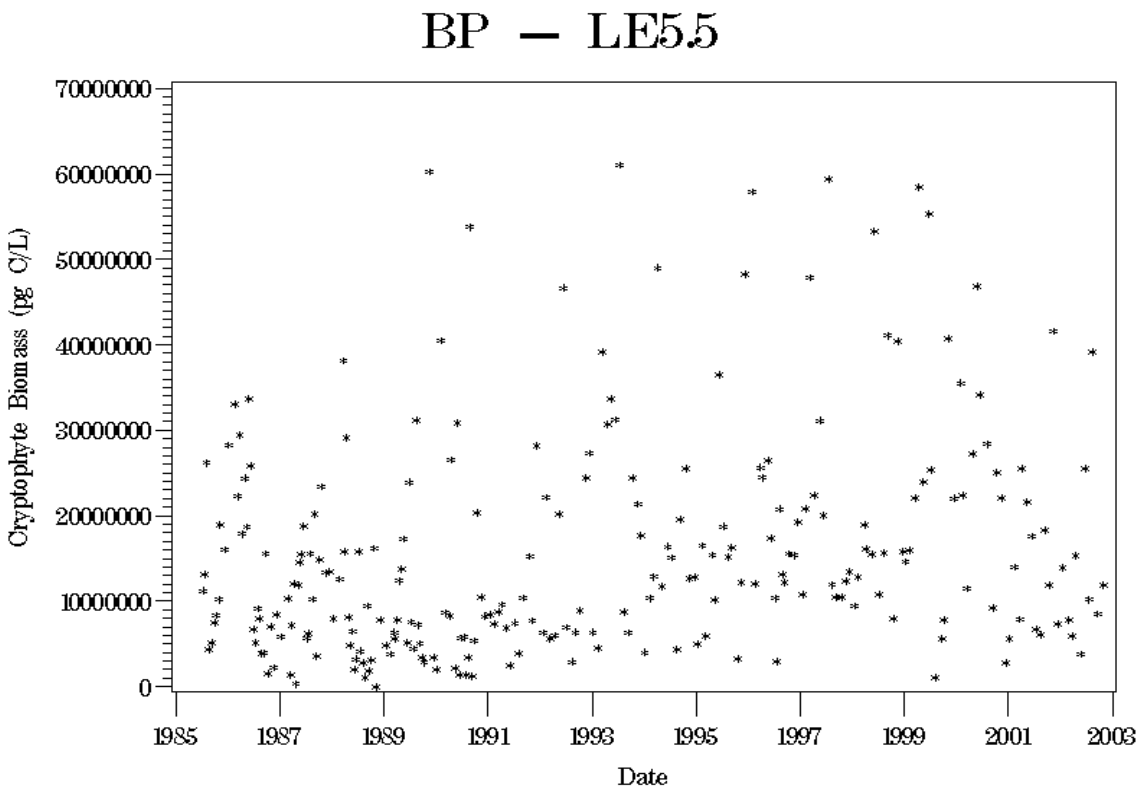

Figure F90. Plot of below pycnocline cryptophyte biomass at station LE5.5 for the period of 1985 through 2002.

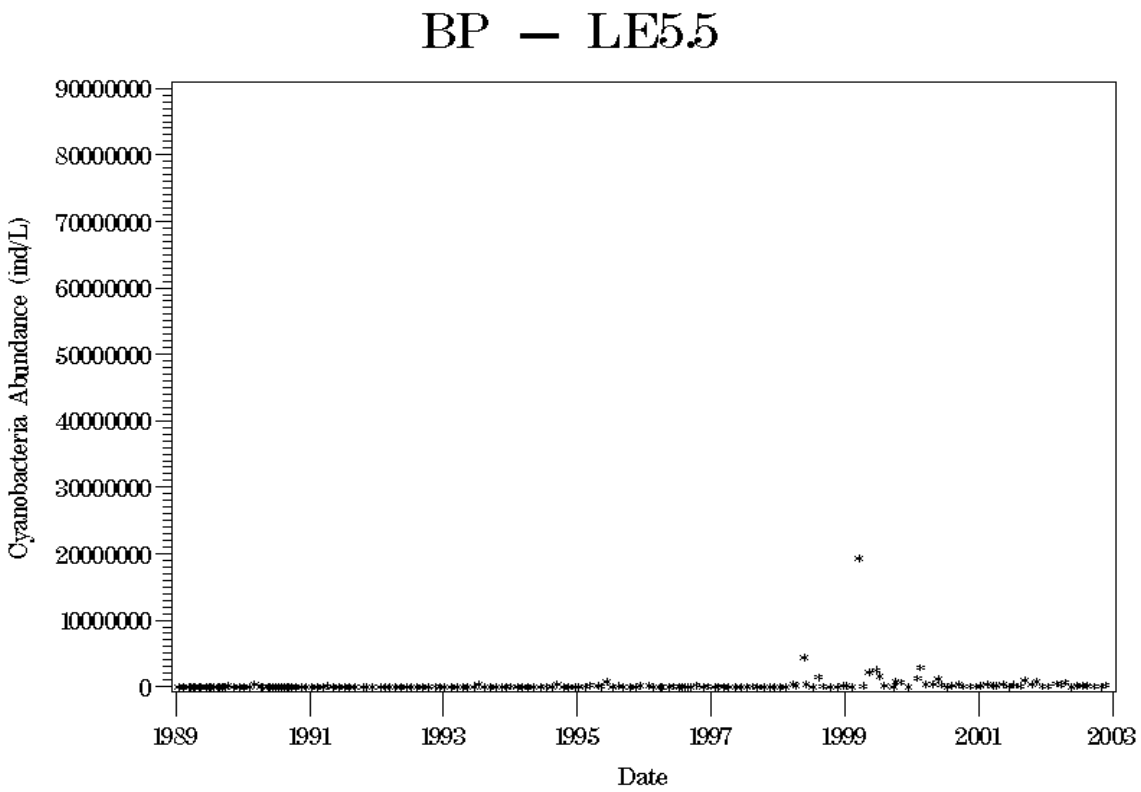

Figure F91. Plot of below pycnocline cyanophyte abundance at station LE5.5 for the period of 1985 through 2002.

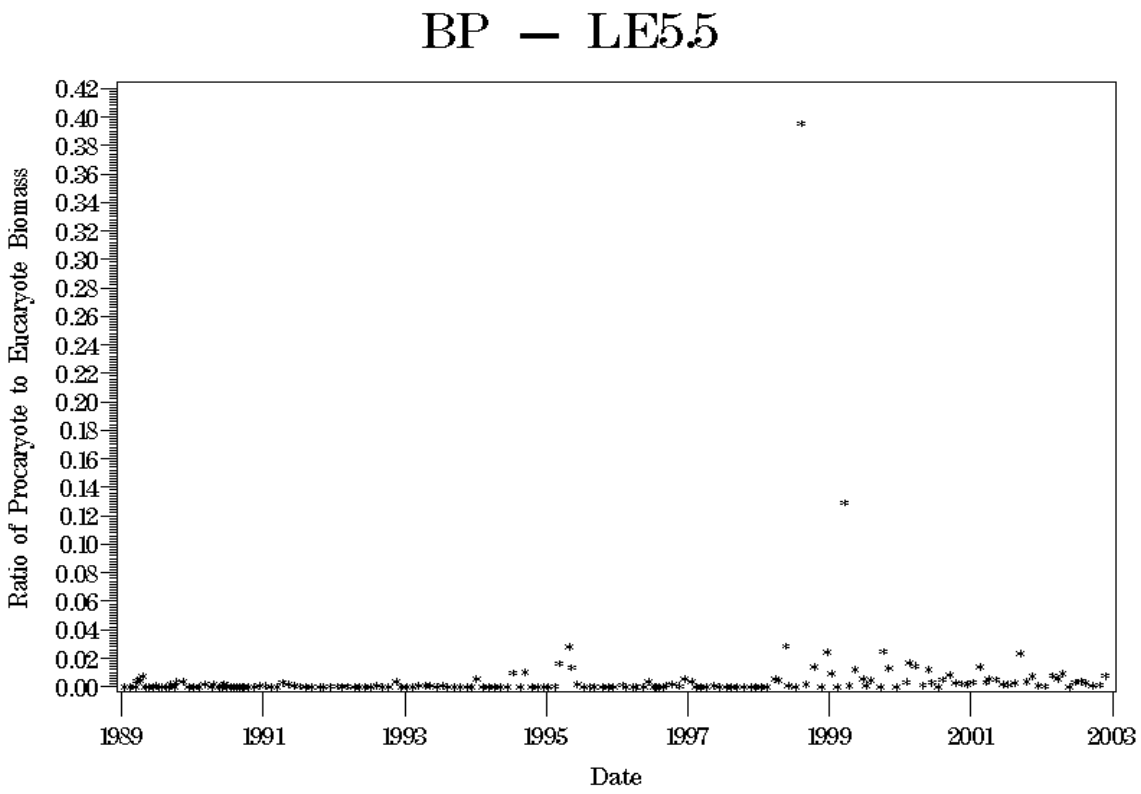

Figure F92. Plot of below pycnocline ratio of procaryote to eucaryote biomass at station LE5.5 for the period of 1985 through 2002.

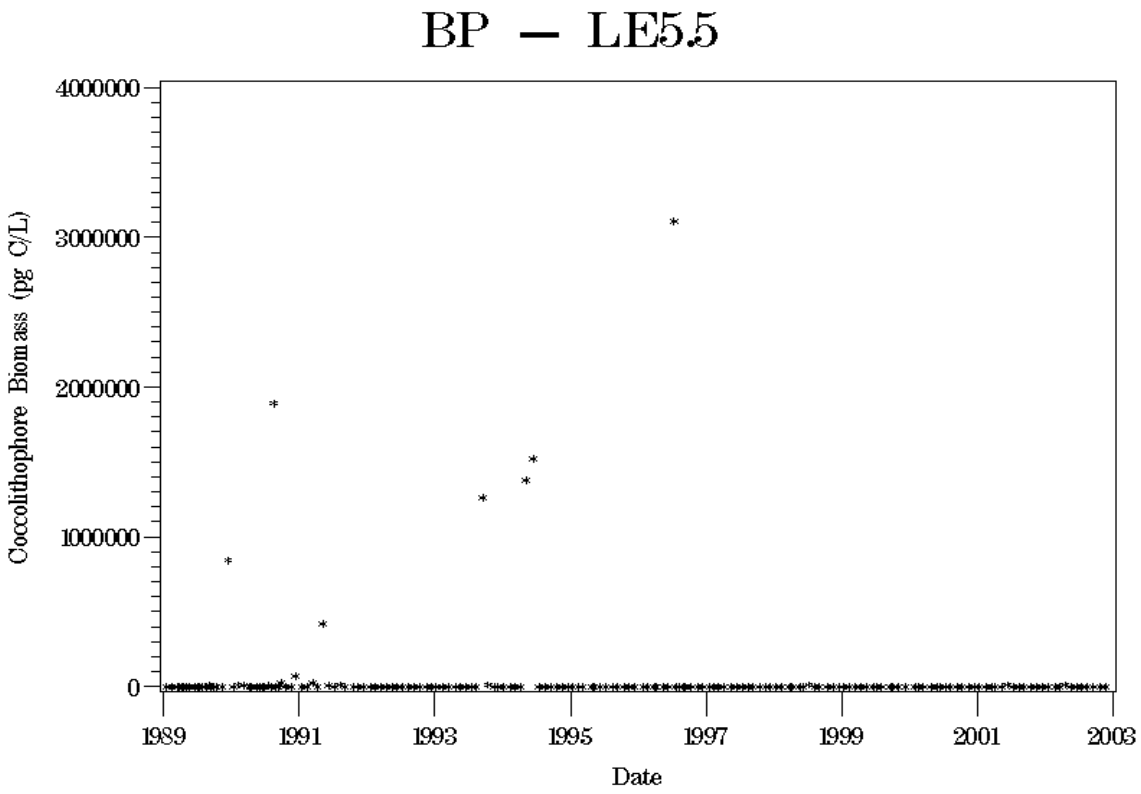

Figure F93. Plot of below pycnocline coccolithophore biomass at station LE5.5 for the period of 1985 through 2002.

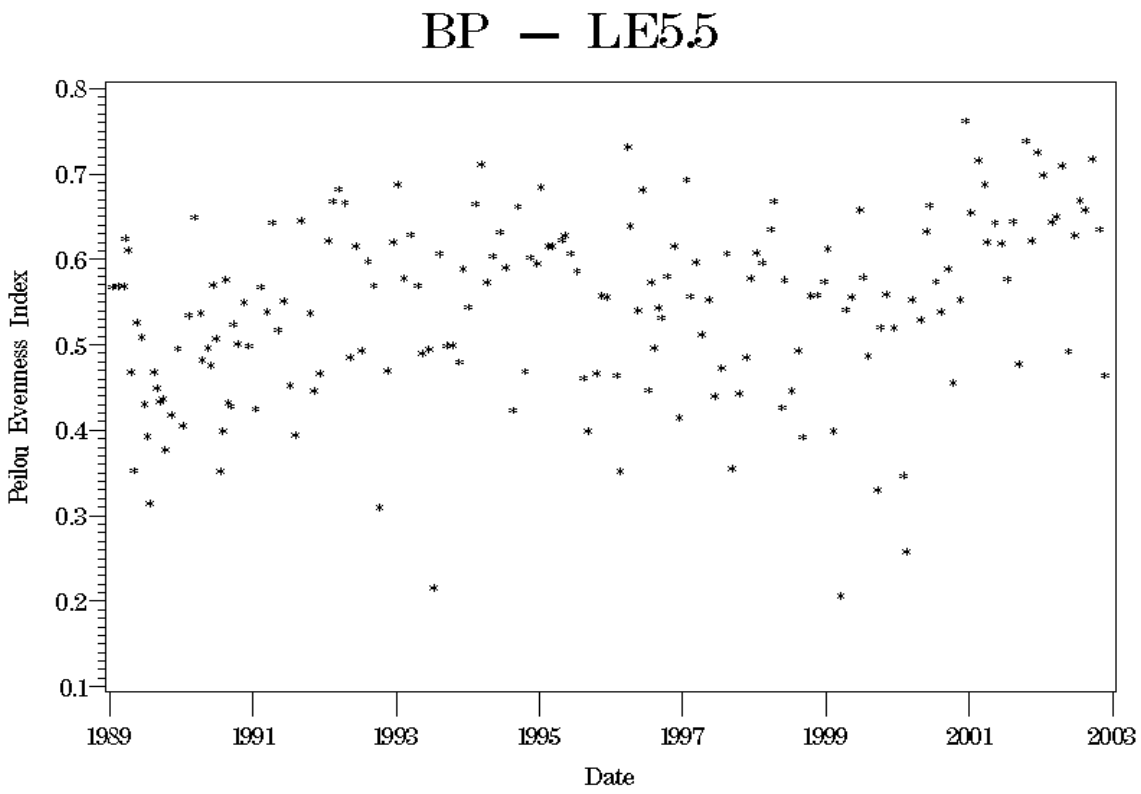

Figure F94. Plot of below pycnocline Peilou evenness index at station LE5.5 for the period of 1985 through 2002.

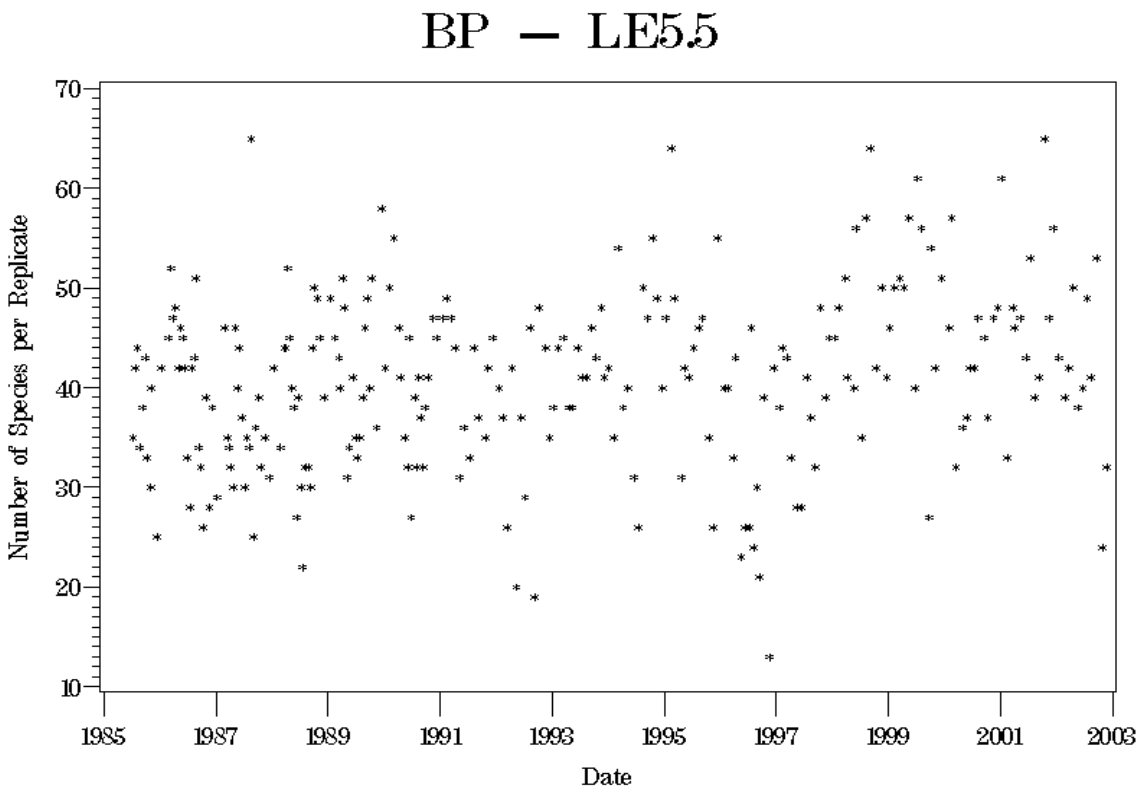

Figure F95. Plot of below pycnocline number of species per replicate at station LE5.5 for the period of 1985 through 2002.

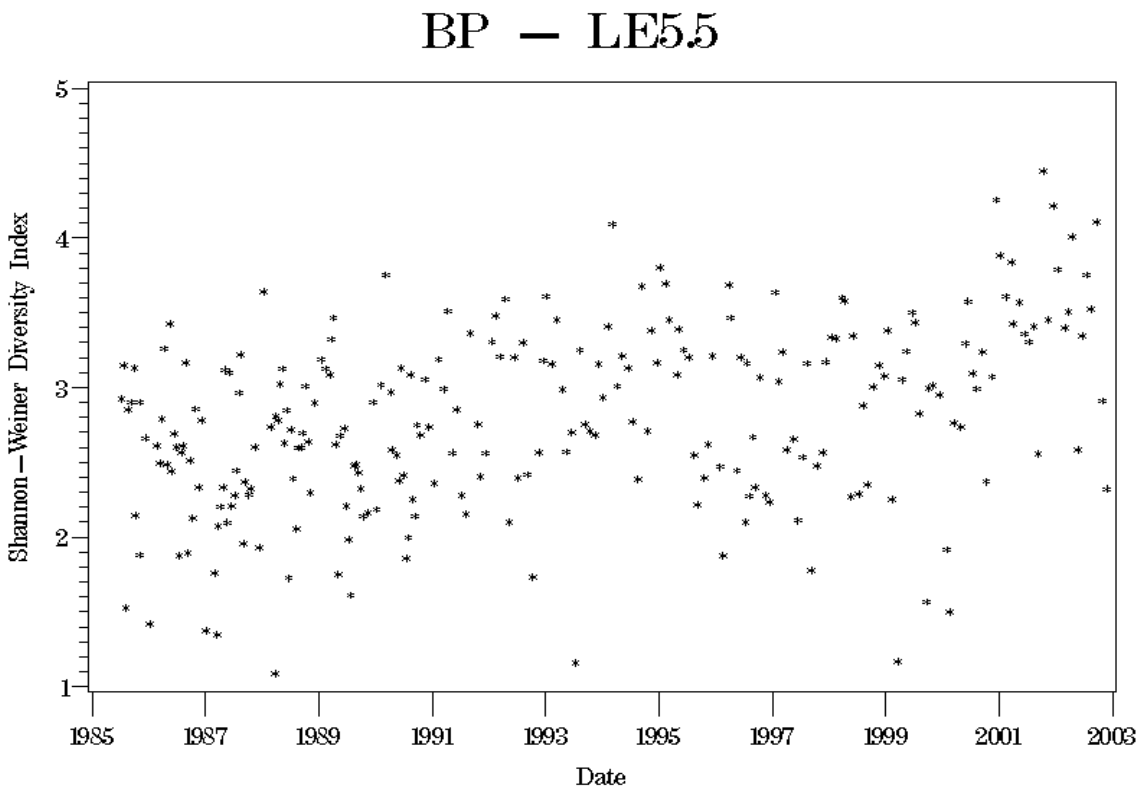

Figure F96. Plot of below pycnocline Shannon-Weiner Diversity index at station LE5.5 for the period of 1985 through 2002.

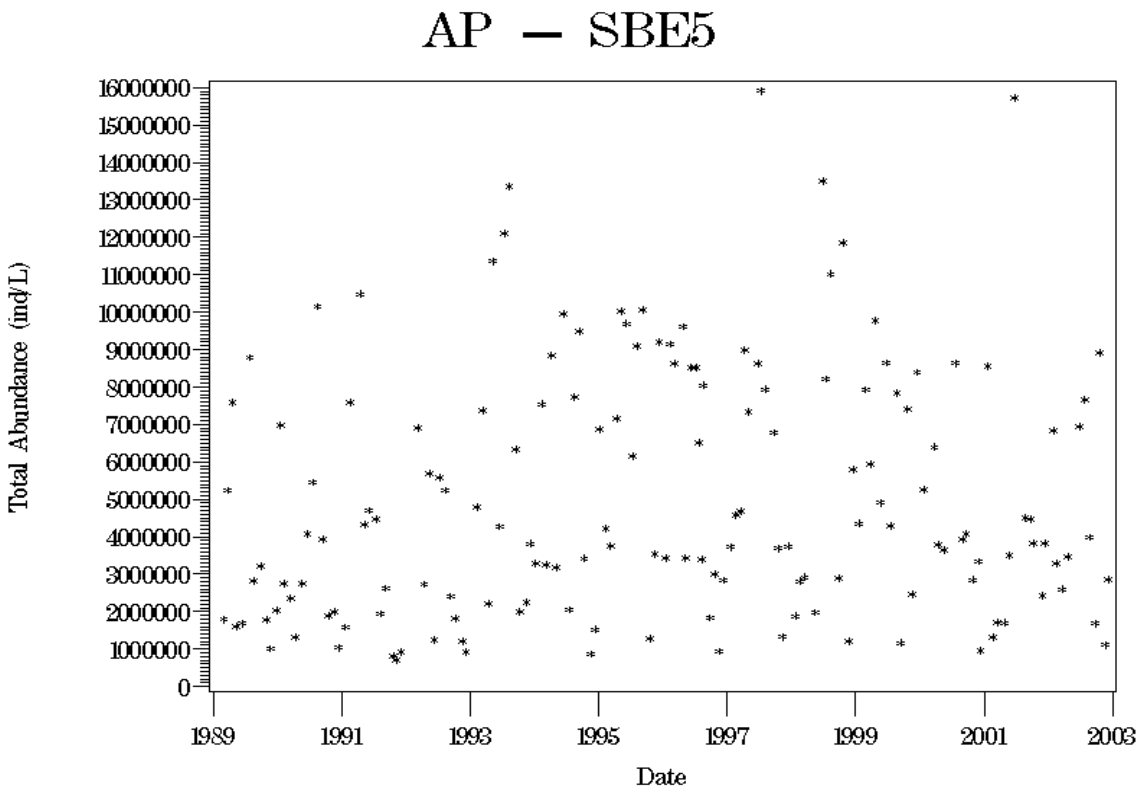

Figure F97. Plot of above pycnocline total phytoplankton abundance against time at station SBE5 for the period of 1985 through 2002.

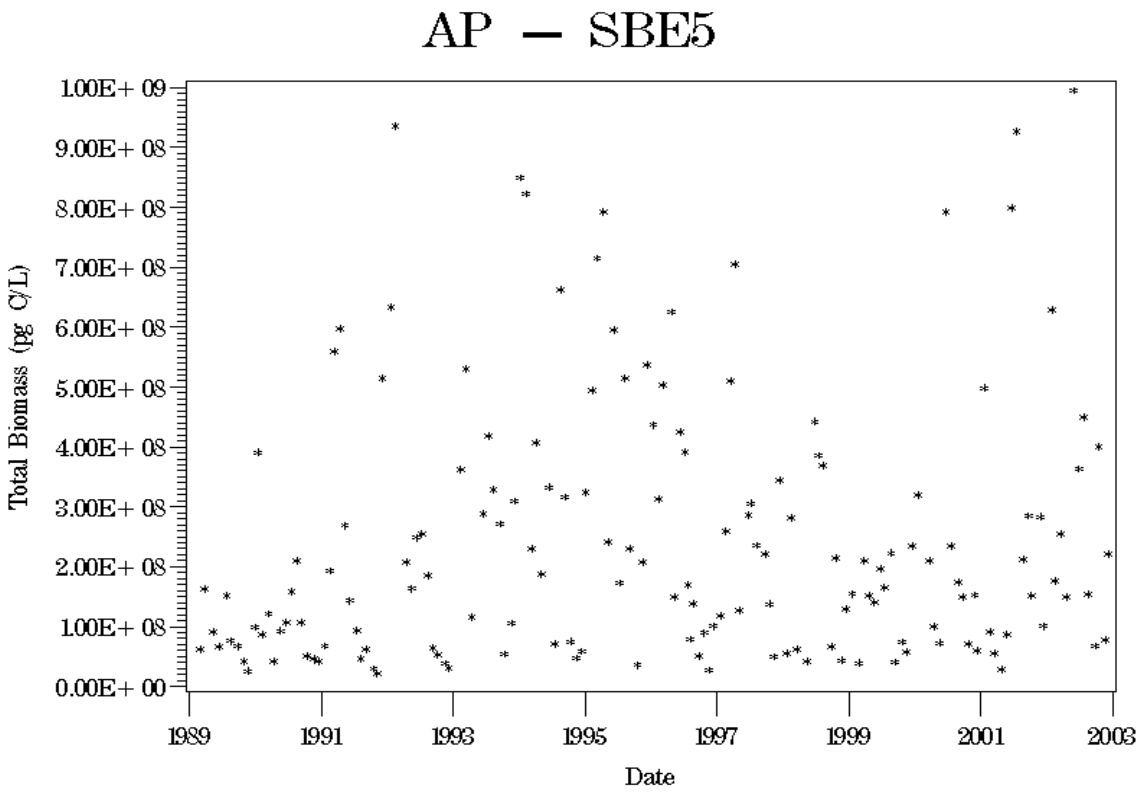

Figure F98. Plot of above pycnocline total phytoplankton biomass against time at station SBE5 for the period of 1985 through 2002.

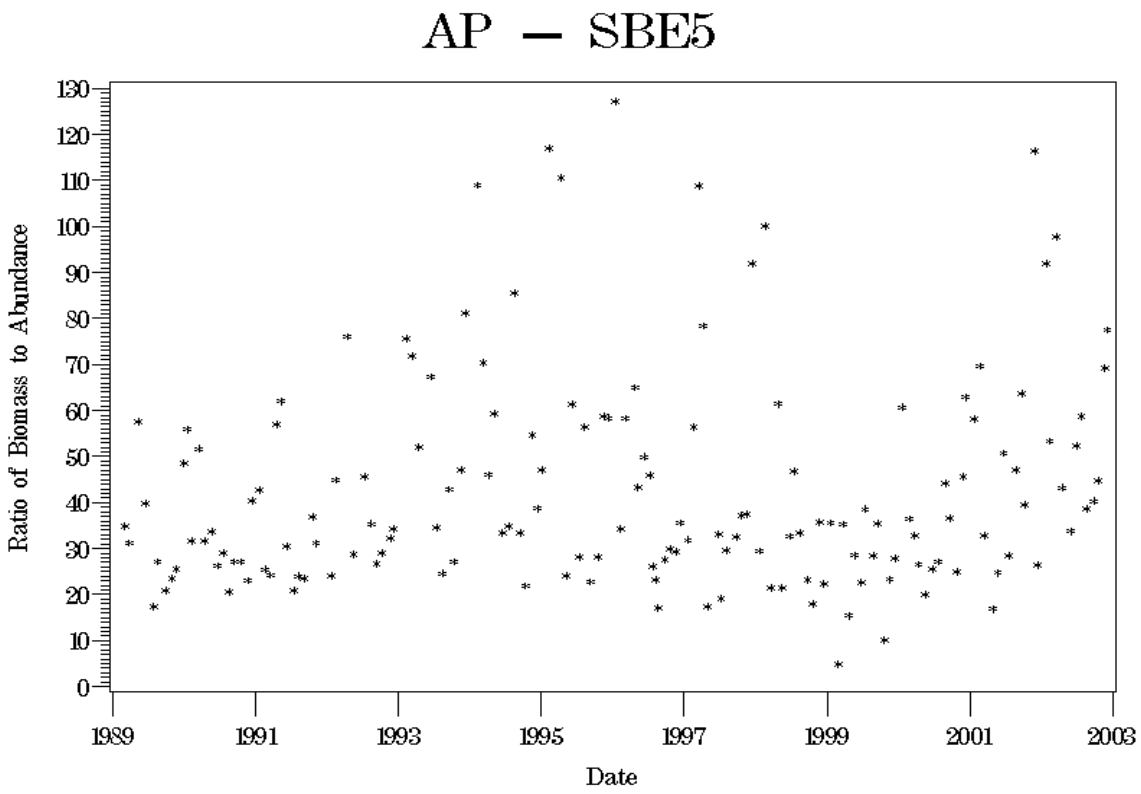

Figure F99. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station SBE5 for the period of 1985 through 2002.

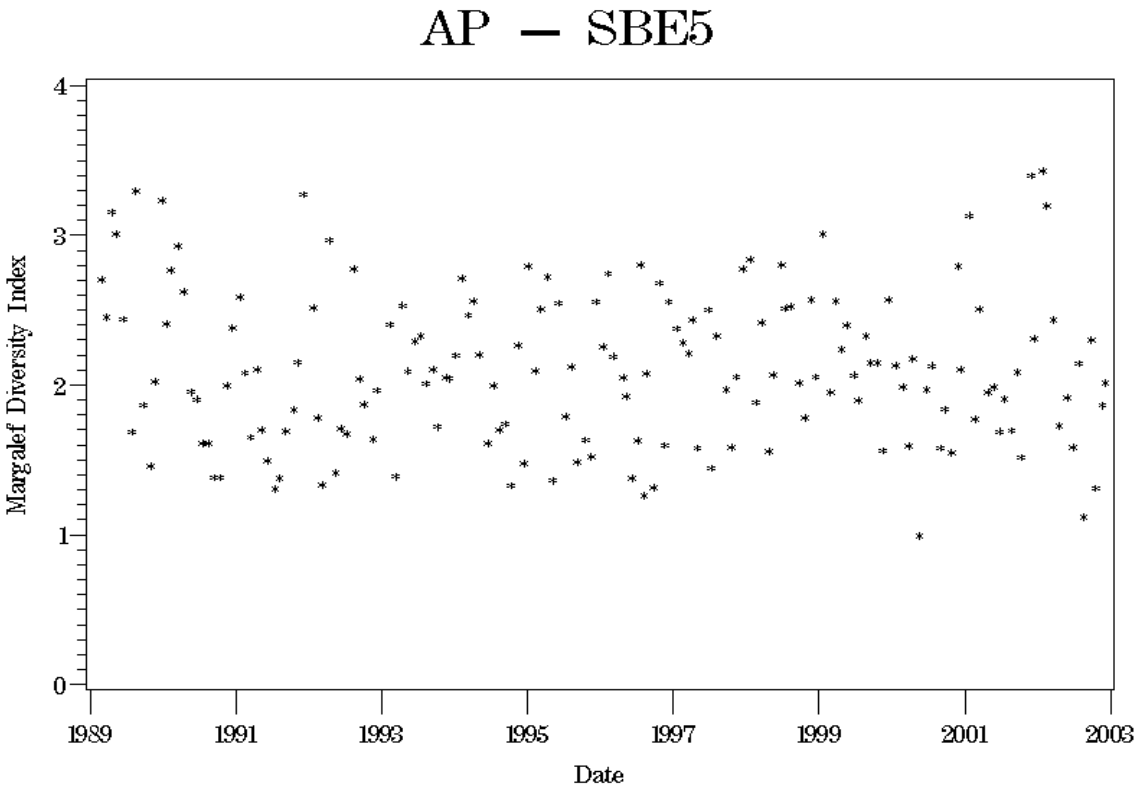

Figure F100. Plot of above pycnocline Margalef diversity index against time at station SBE5 for the period of 1985 through 2002.

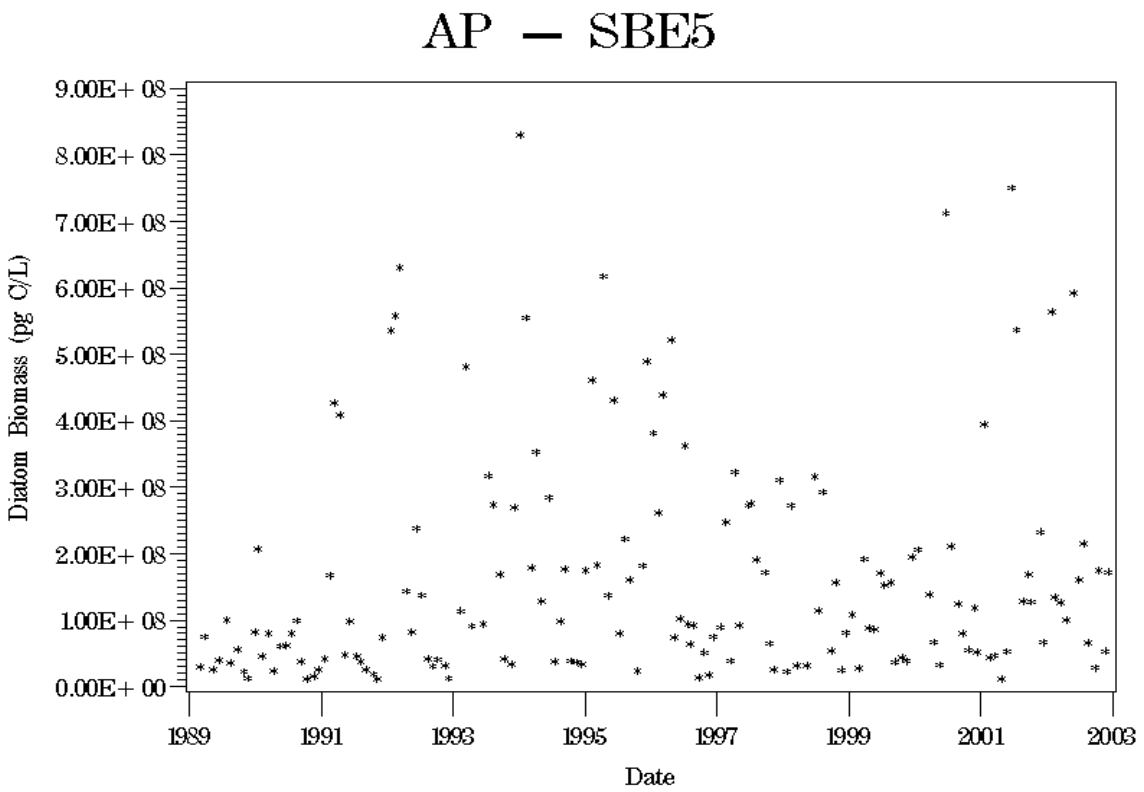

Figure F101. Plot of above pycnocline diatom biomass against time at station SBE5 for the period of 1985 through 2002.

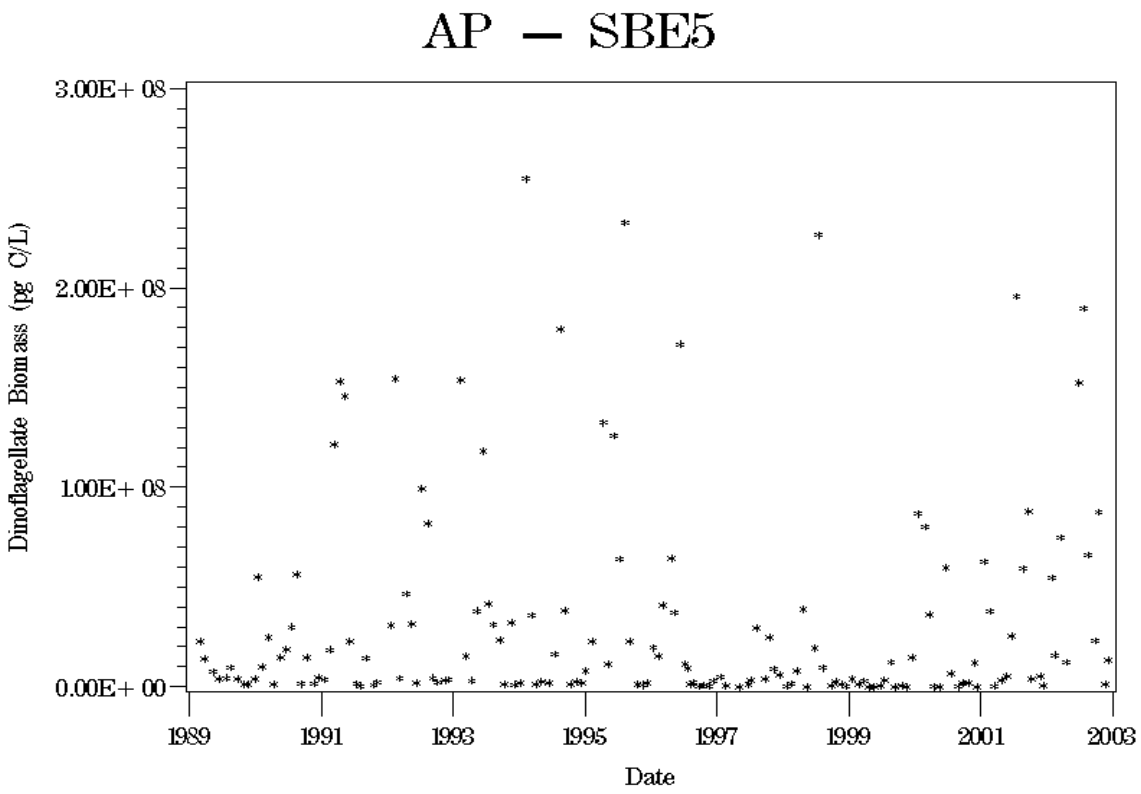

Figure F102. Plot of above pycnocline dinoflagellate biomass against time at station SBE5 for the period of 1985 through 2002.

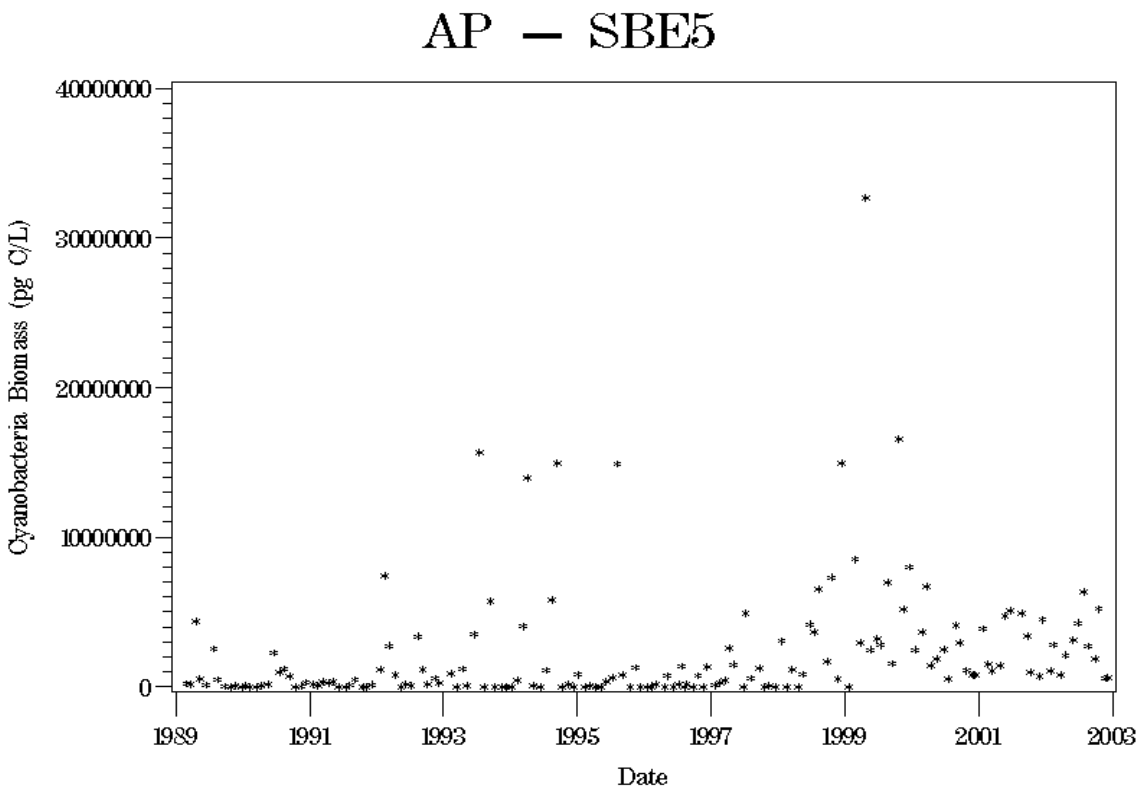

Figure F103. Plot of above pycnocline cyanobacteria biomass against time at station SBE5 for the period of 1985 through 2002.

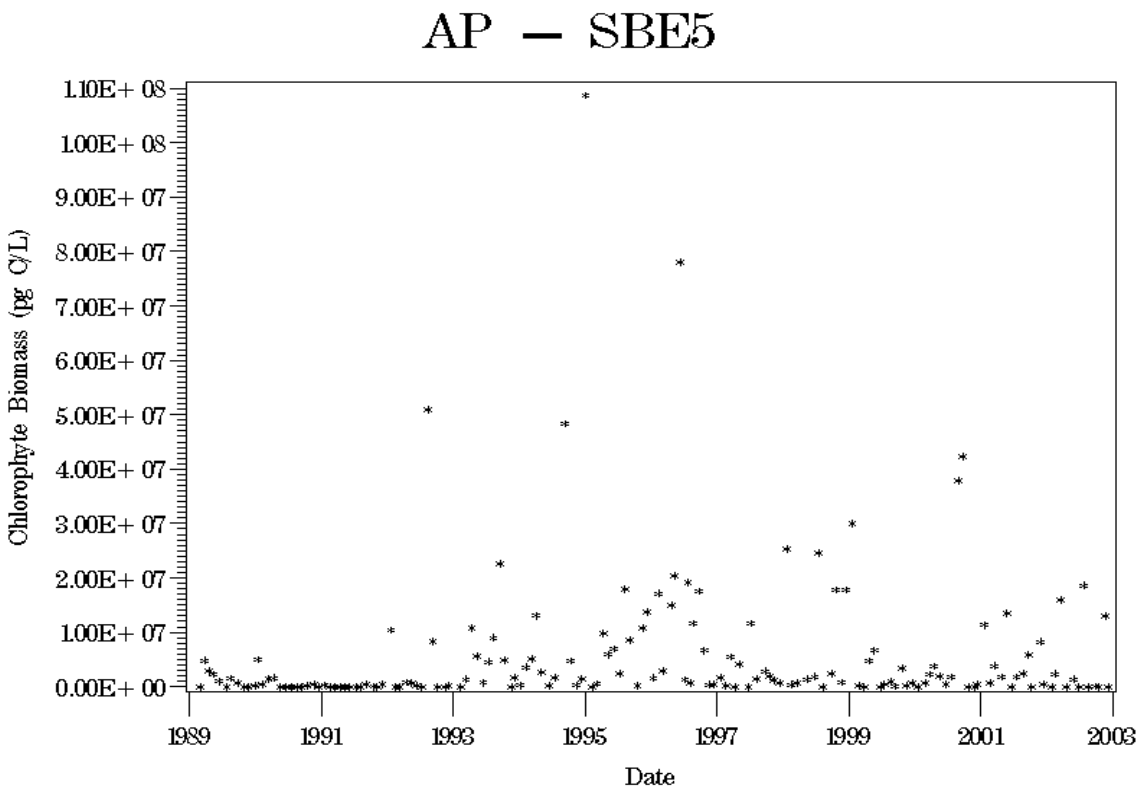

Figure F104. Plot of above pycnocline chlorophyte biomass against time at station SBE5 for the period of 1985 through 2002.

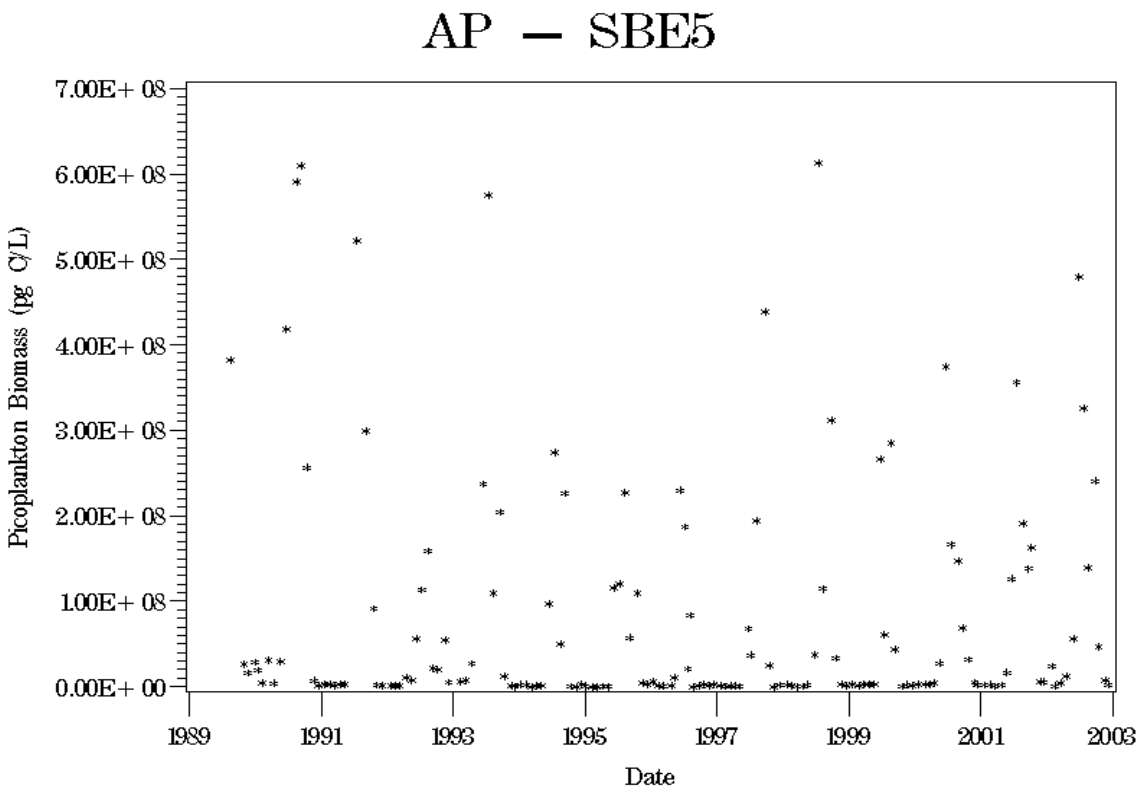

Figure F105. Plot of above pycnocline picoplankton biomass against time at station SBE5 for the period of 1985 through 2002.

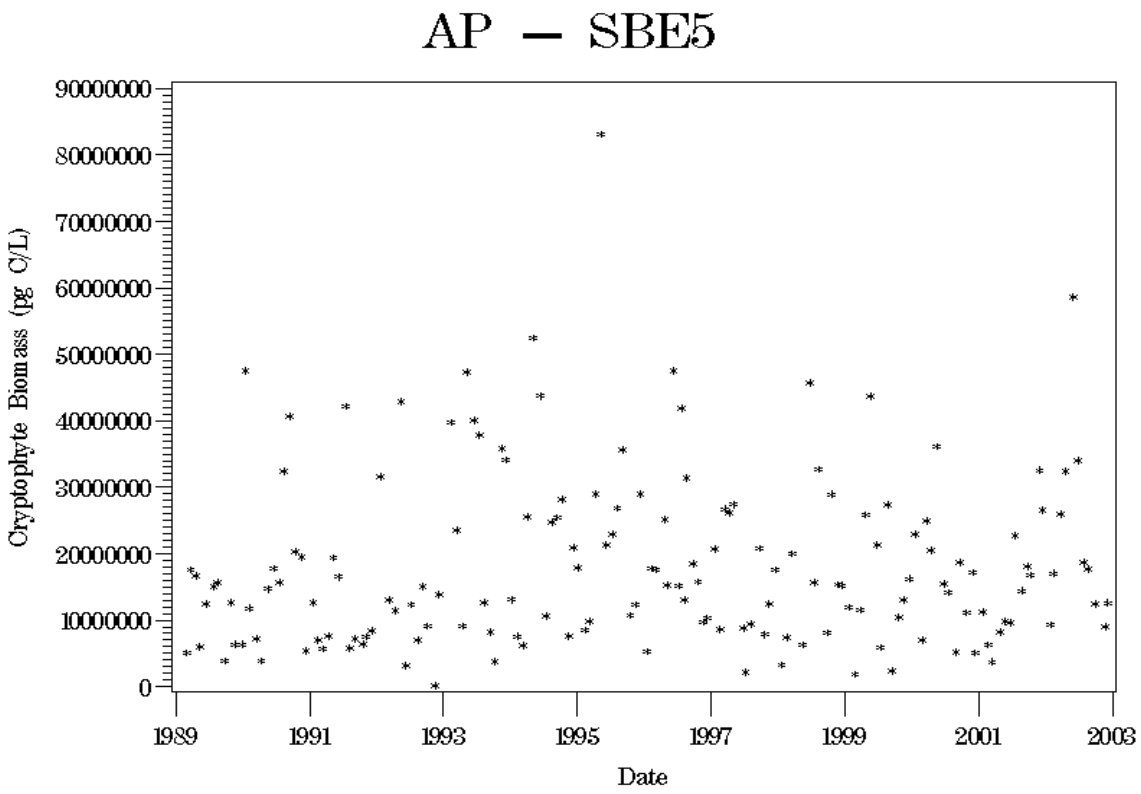

Figure Fl06. Plot of above pycnocline cryptophyte biomass at station SBE5 for the period of 1985 through 2002.

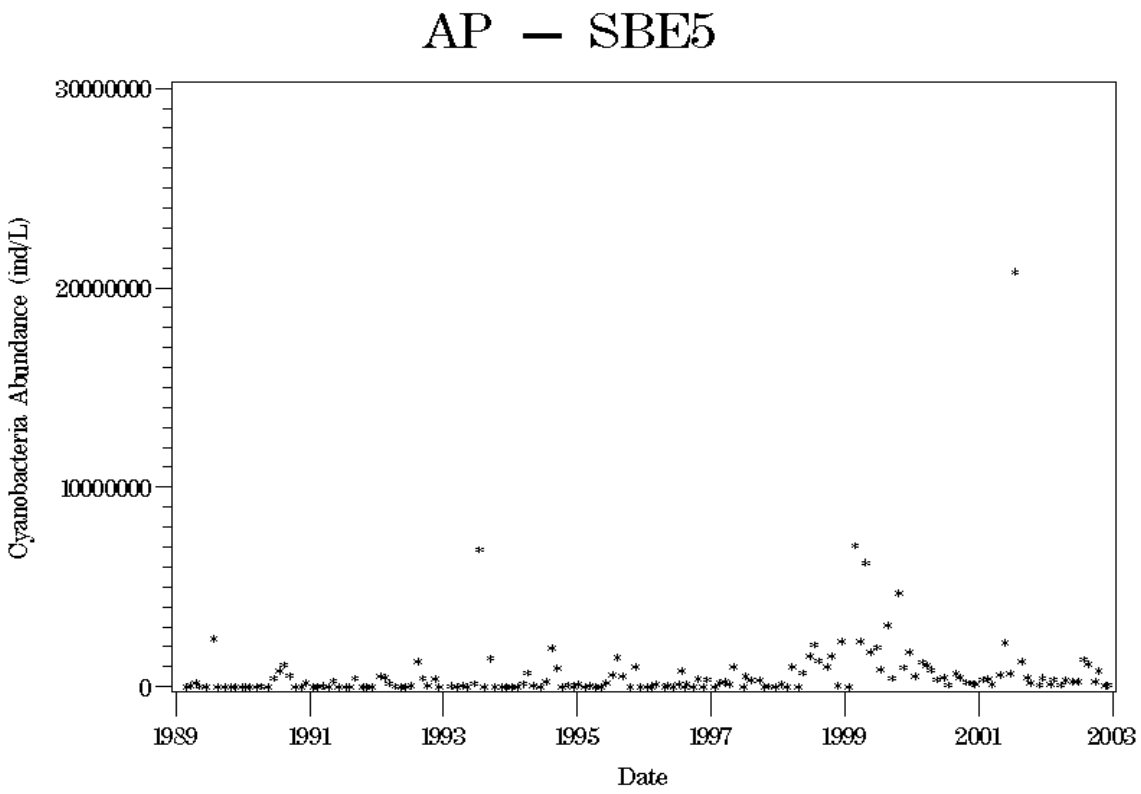

Figure Fl07. Plot of above pycnocline cyanophyte abundance at station SBE5 for the period of 1985 through 2002.

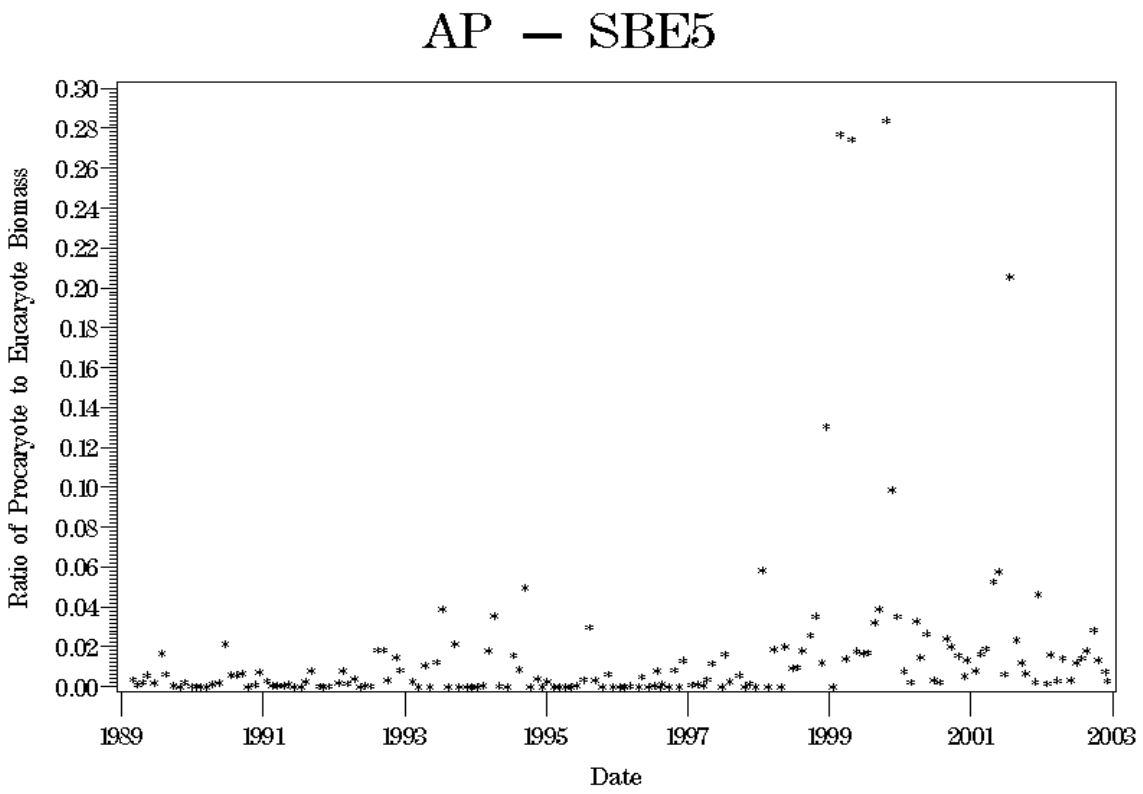

Figure Fl08. Plot of above pycnocline ratio of procaryote to eucaryote biomass at station SBE5 for the period of 1985 through 2002.

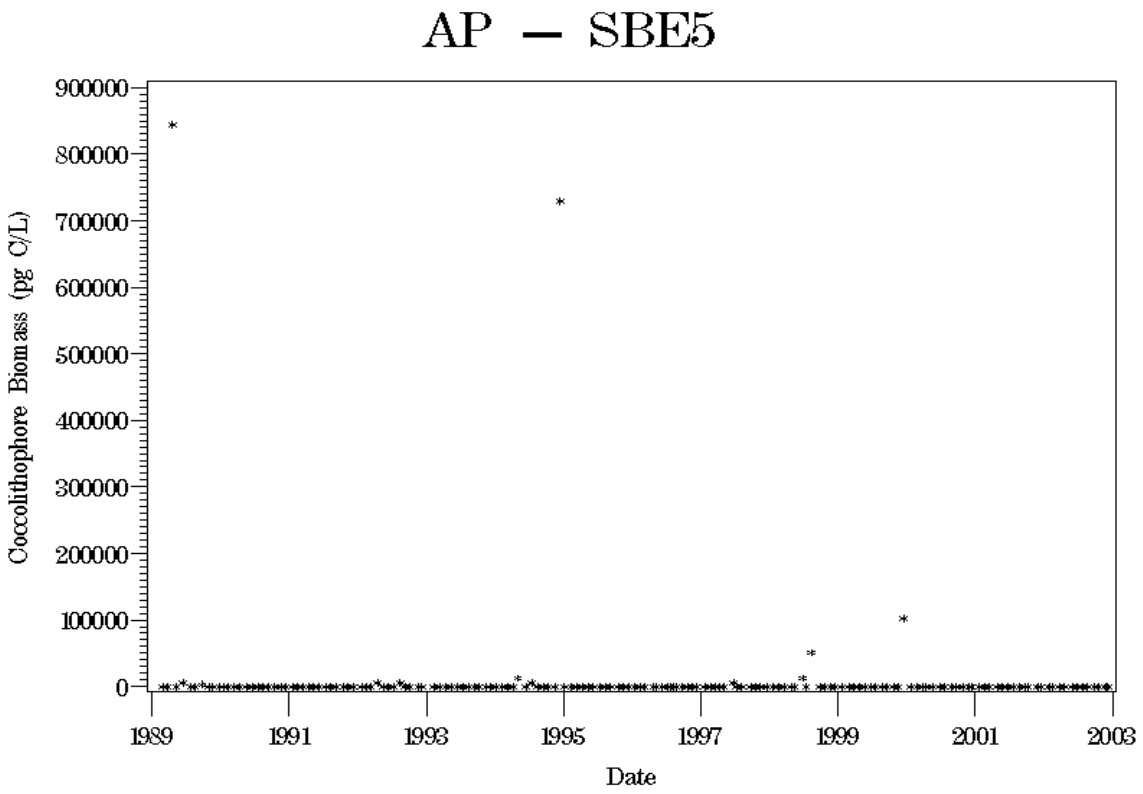

Figure Fl09. Plot of above pycnocline coccolithophore biomass at station SBE5 for the period of 1985 through 2002.

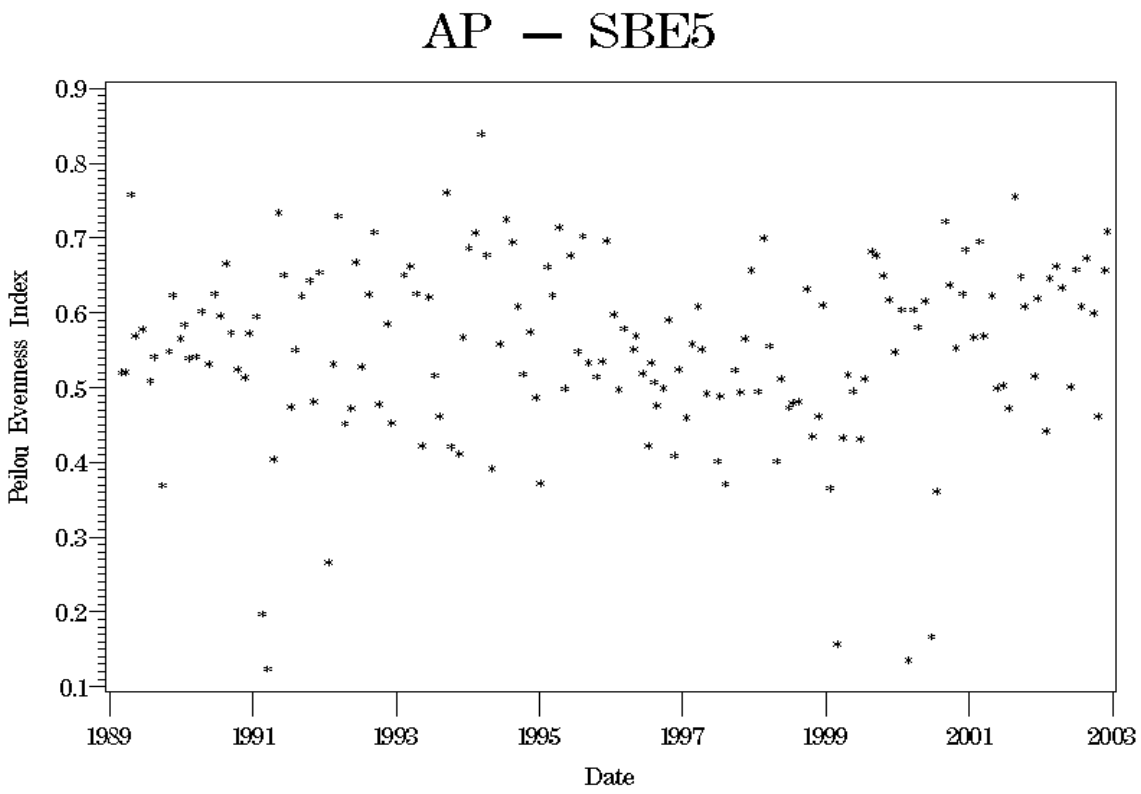

Figure Fl10. Plot of above pycnocline Pielou evenness index at station SBE5 for the period of 1985 through 2002.

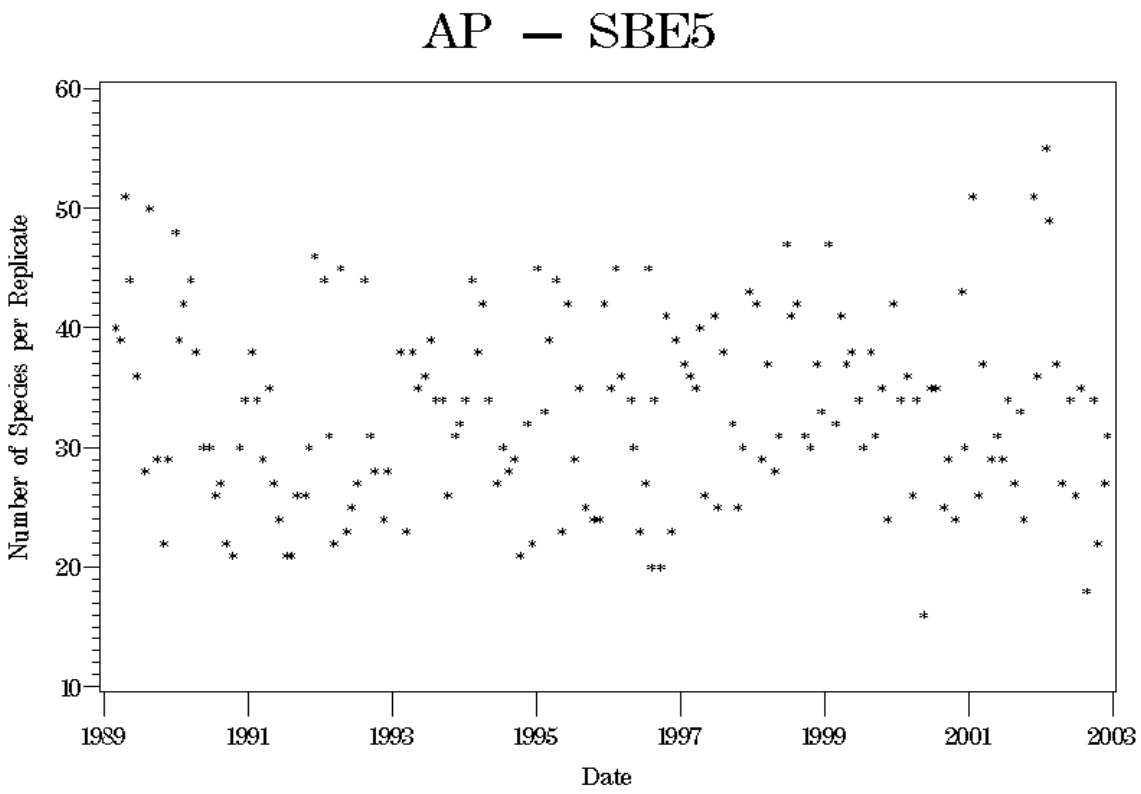

Figure Fl11. Plot of above pycnocline number of species per replicate at station SBE5 for the period of 1985 through 2002.

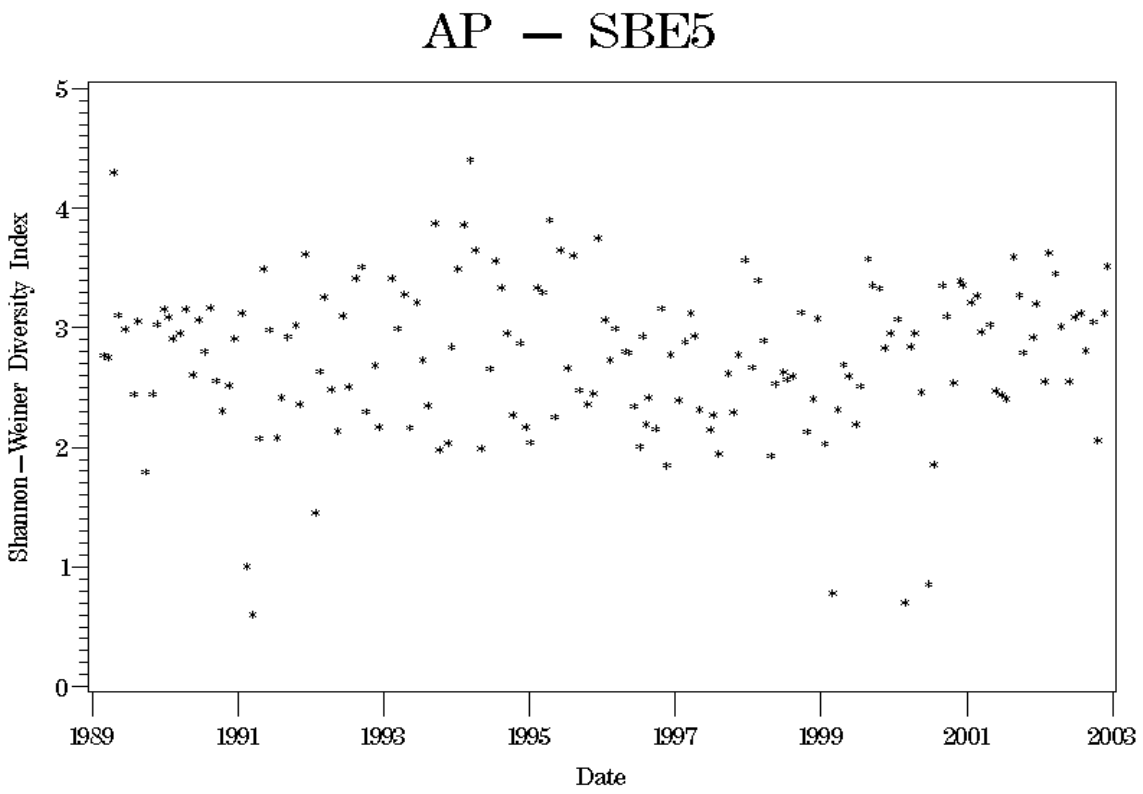

Figure Fl12. Plot of above pycnocline Shannon-Weiner Diversity index at station SBE5 for the period of 1985 through 2002.

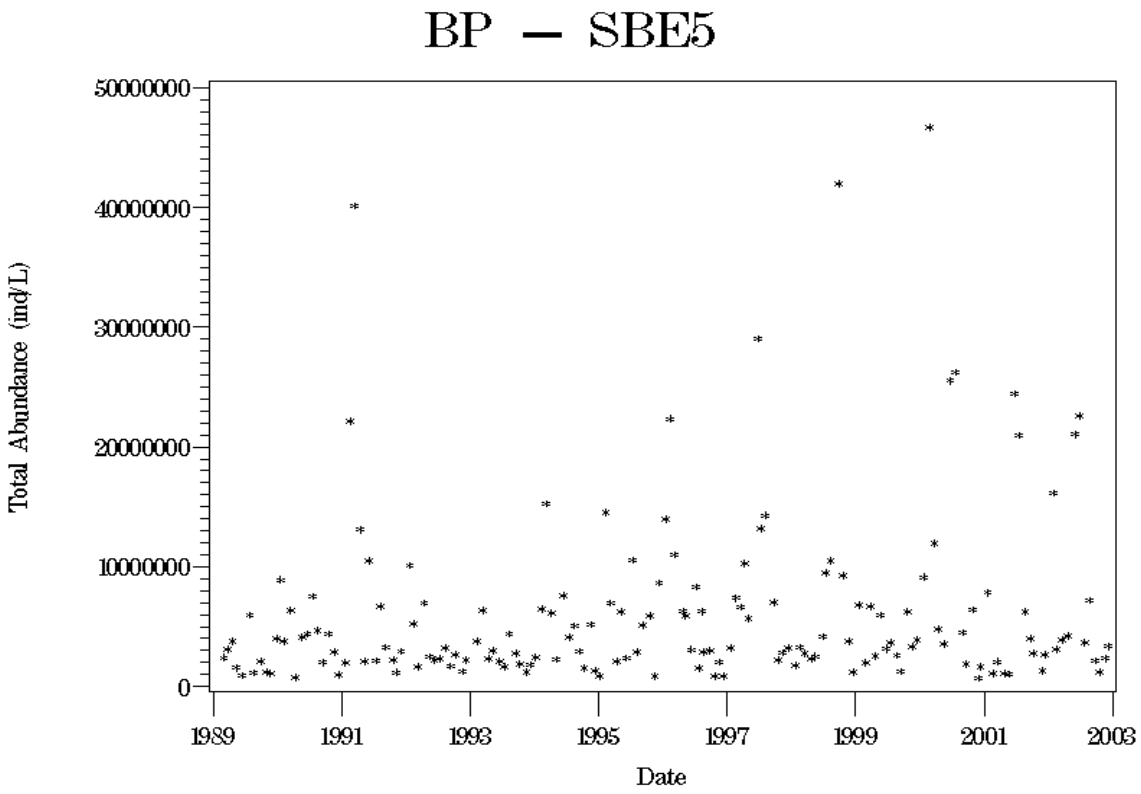

Figure F113. Plot of below pycnocline total phytoplankton abundance against time at station SBE5 for the period of 1989 through 2002.

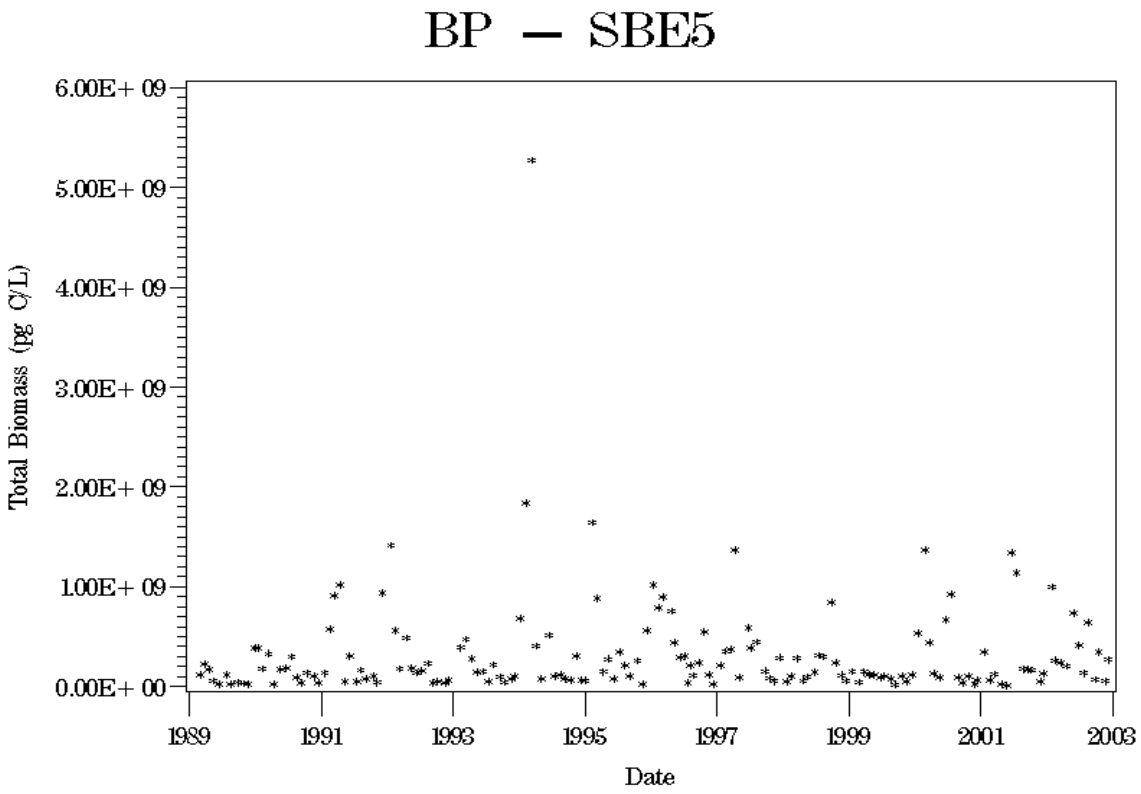

Figure F114. Plot of below pycnocline total phytoplankton biomass against time at station SBE5 for the period of 1989 through 2002.

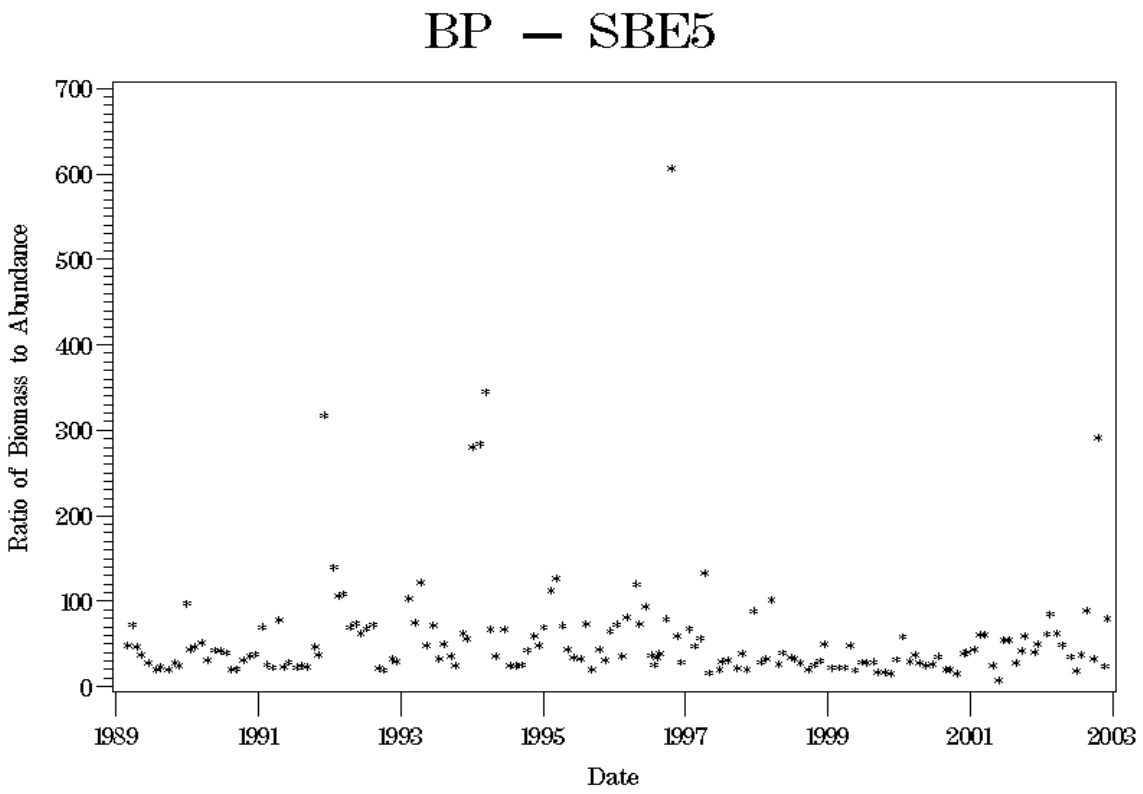

Figure F115. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station SBE5 for the period of 1989 through 2002.

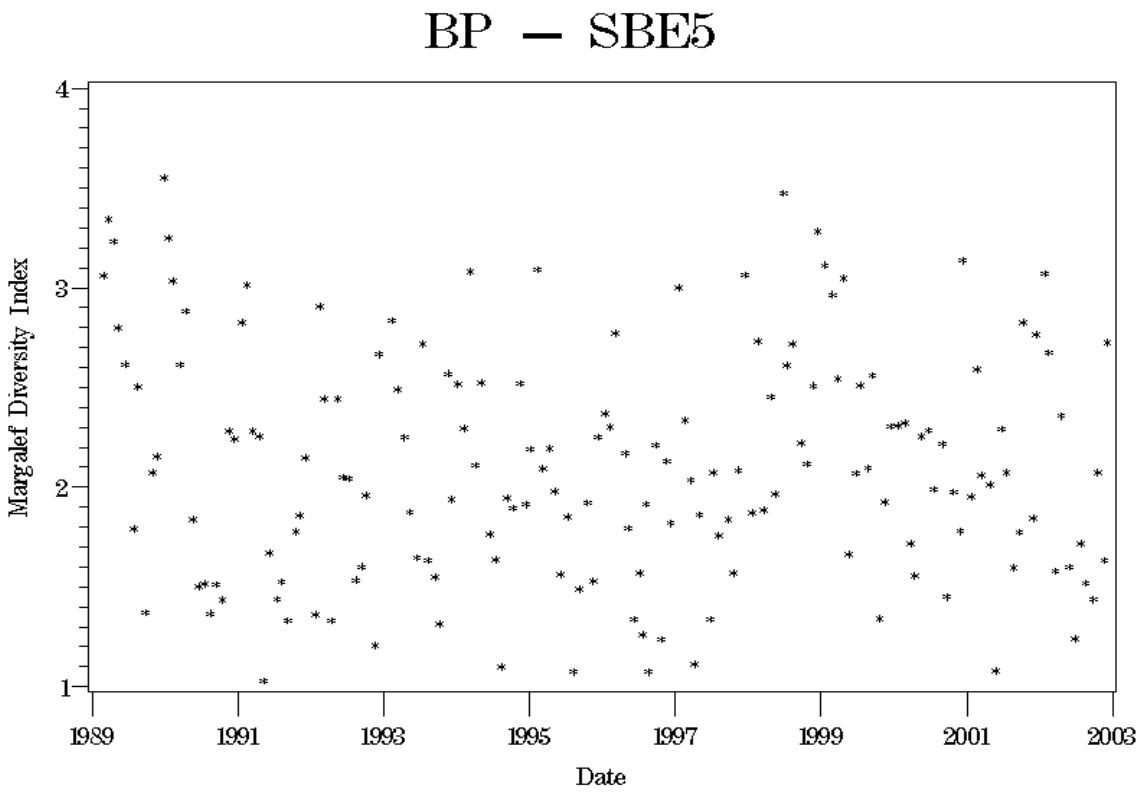

Figure F116. Plot of below pycnocline Margalef diversity index against time at station SBE5 for the period of 1989 through 2002.

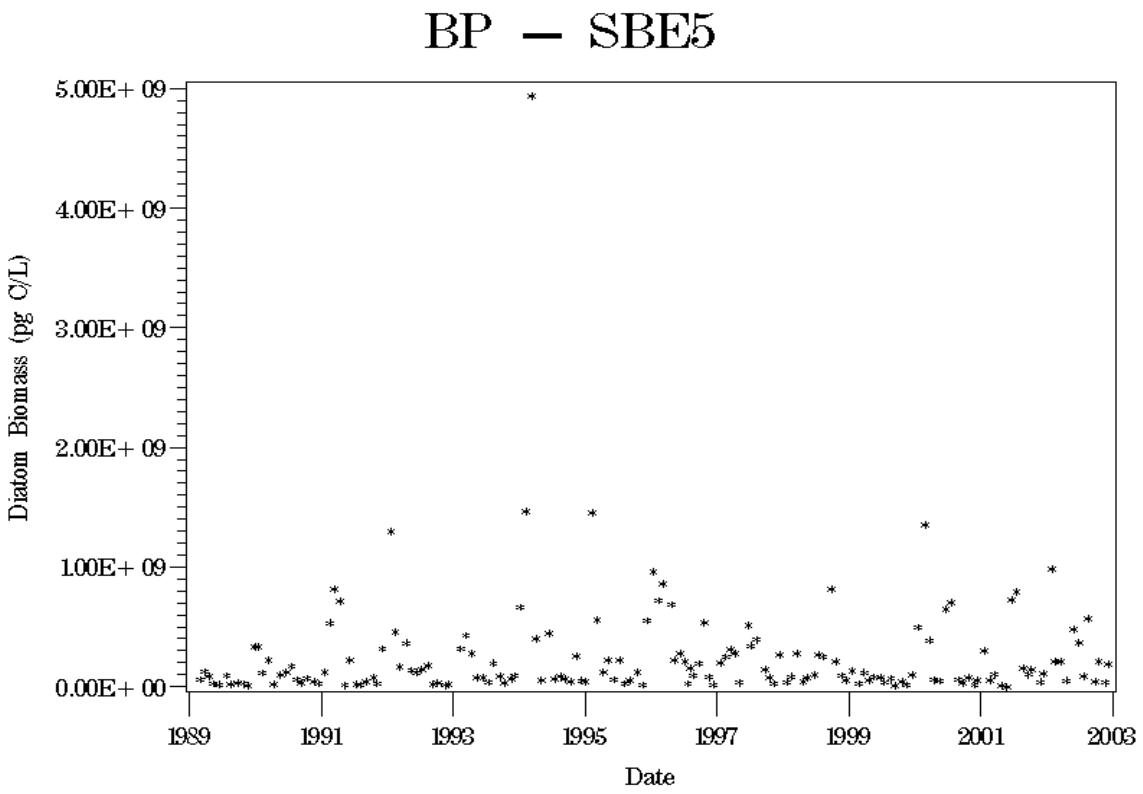

Figure F117. Plot of below pycnocline diatom biomass against time at station SBE5 for the period of 1989 through 2002.

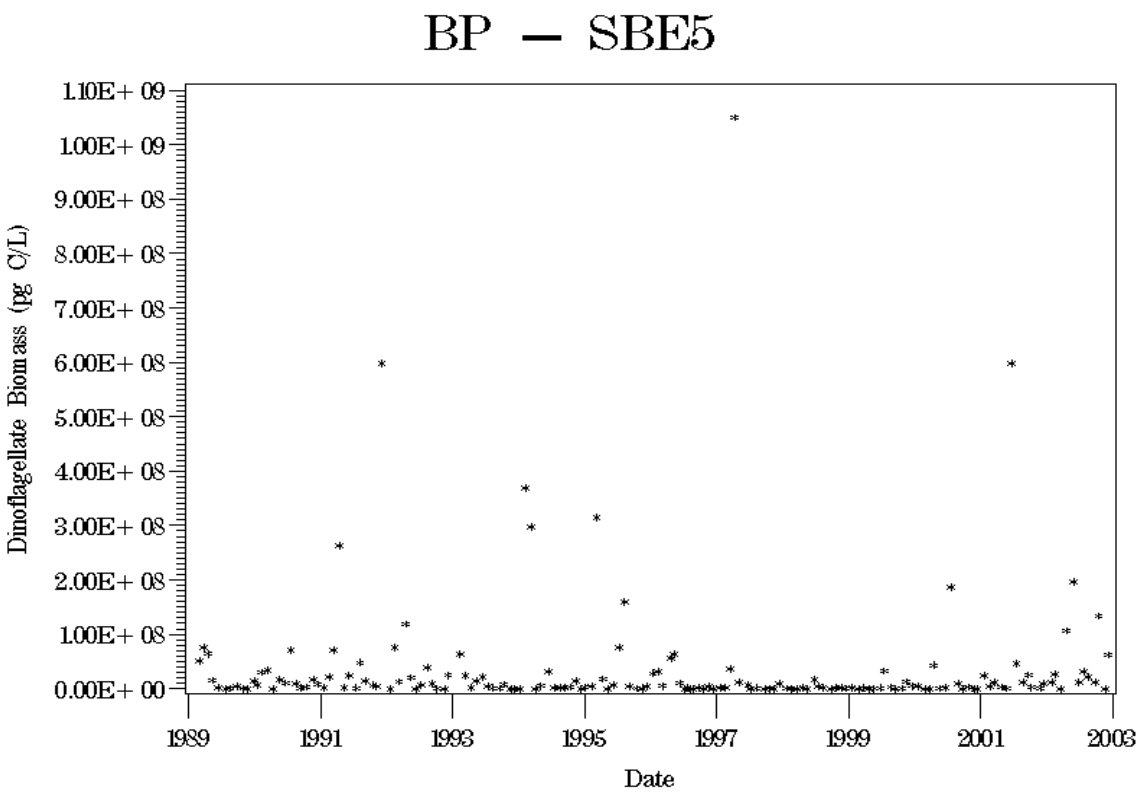

Figure F118. Plot of below pycnocline dinoflagellate biomass against time at station SBE5 for the period of 1989 through 2002.

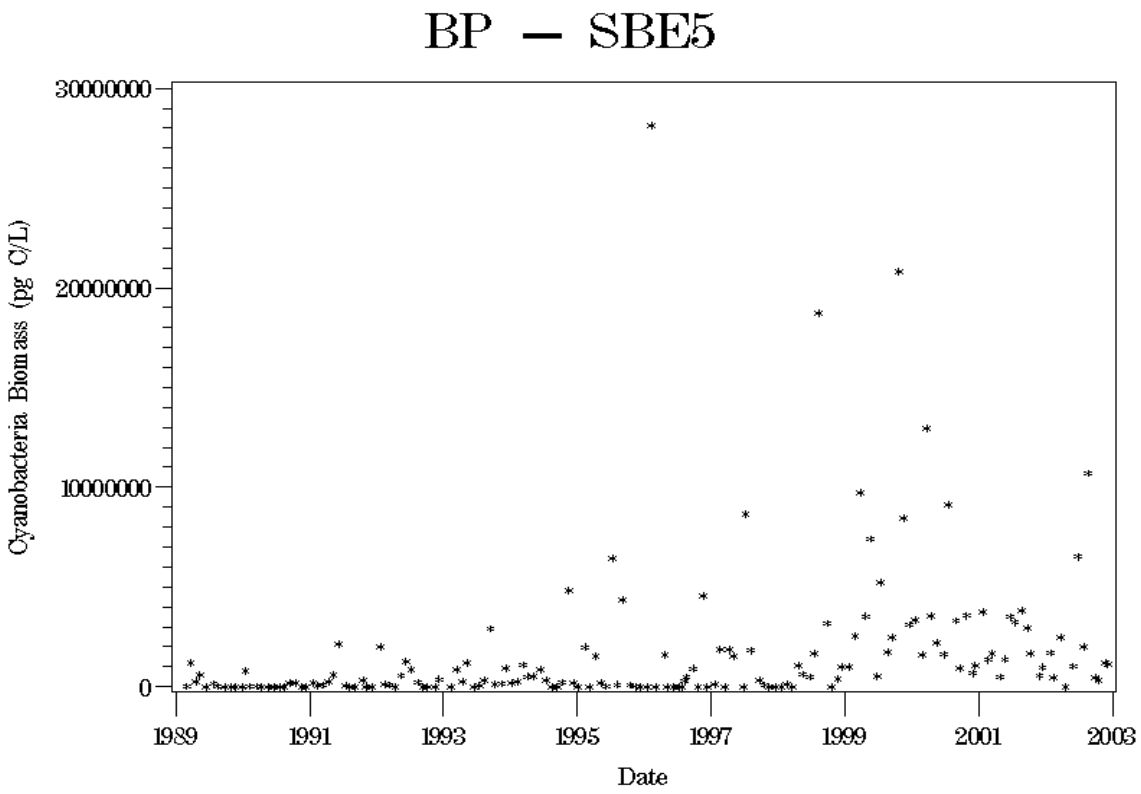

Figure F119. Plot of below pycnocline cyanobacteria biomass against time at station SBE5 for the period of 1989 through 2002.

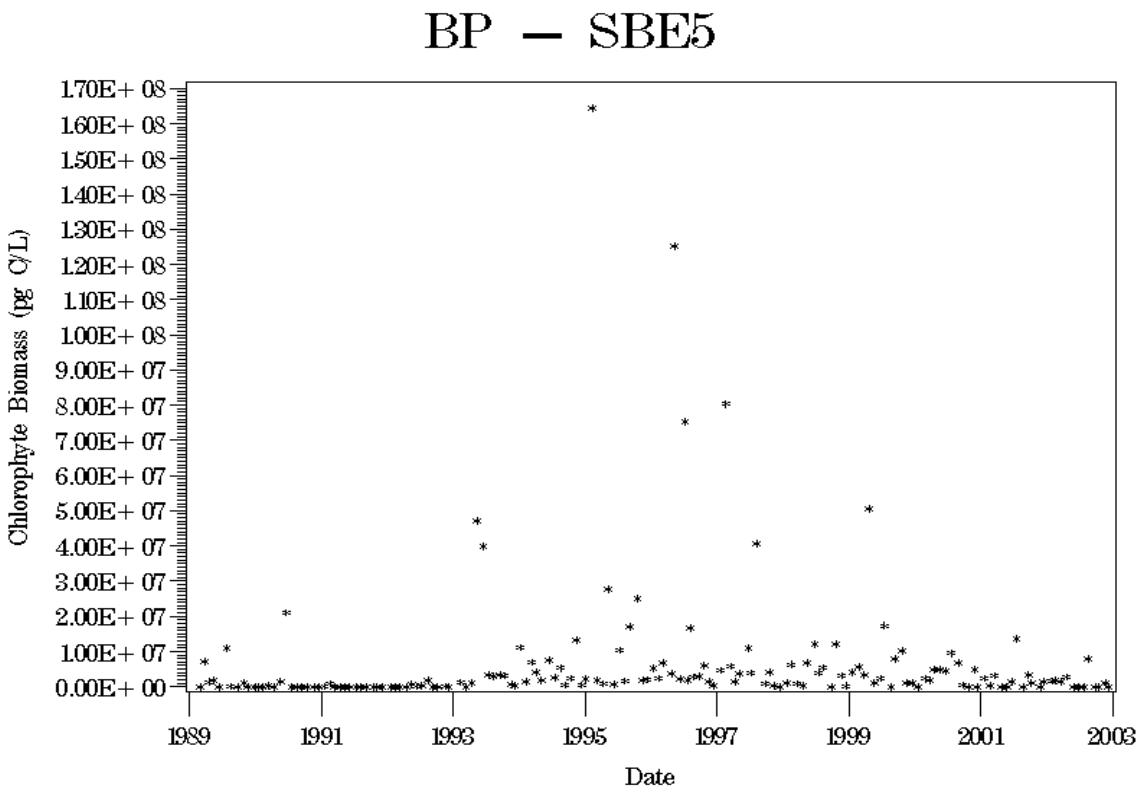

Figure F120. Plot of below pycnocline chlorophyte biomass against time at station SBE5 for the period of 1989 through 2002.

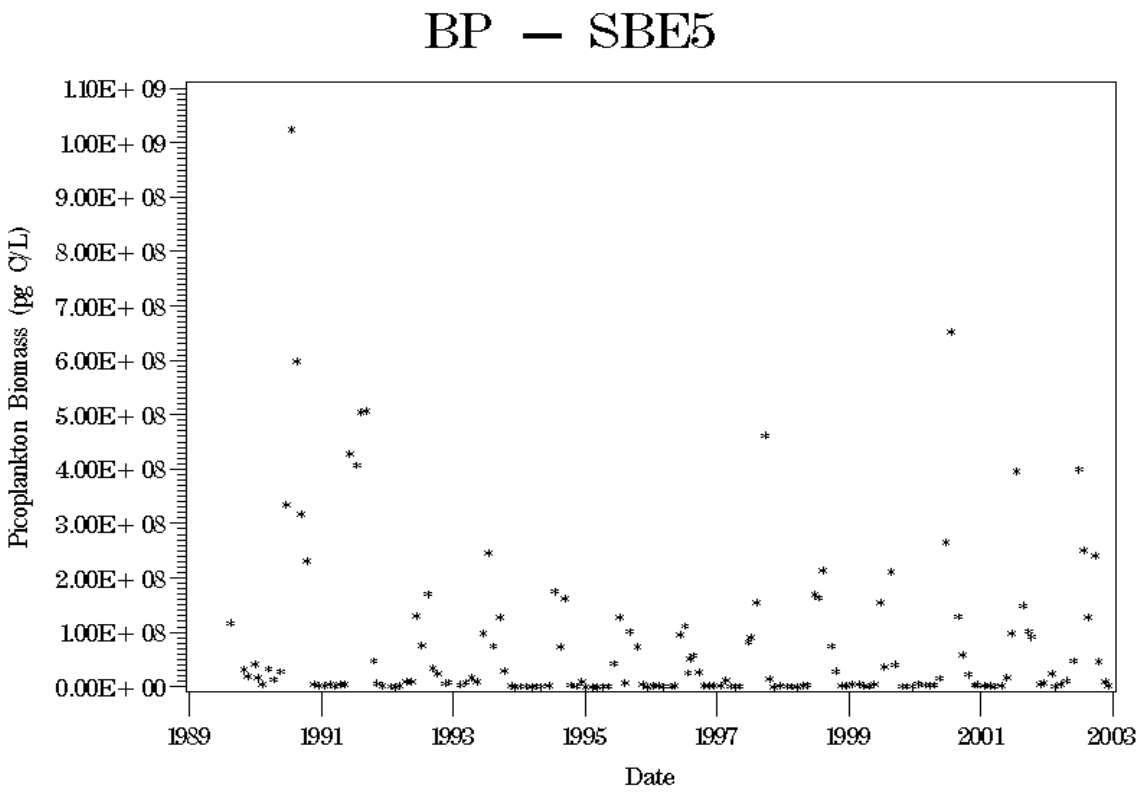

Figure F121. Plot of below pycnocline picoplankton biomass against time at station SBE5 for the period of 1989 through 2002.

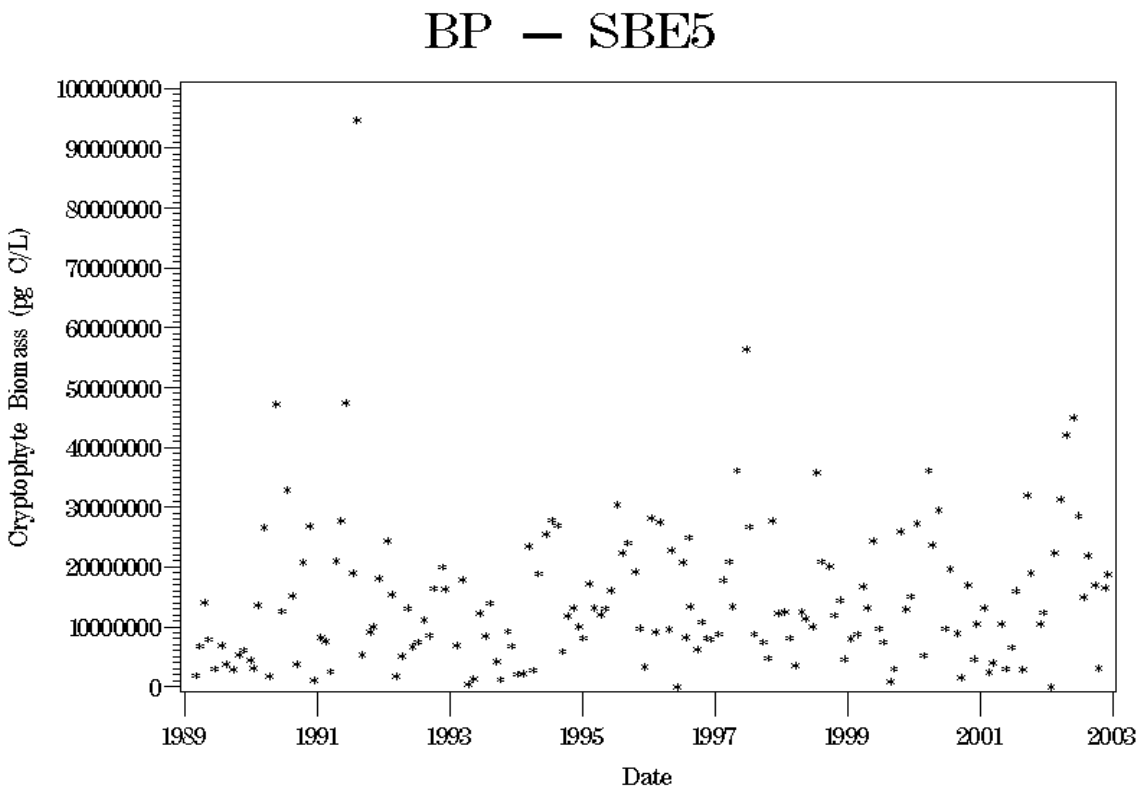

Figure Fl22. Plot of below pycnocline cryptophyte biomass at station SBE5 for the period of 1989 through 2002.

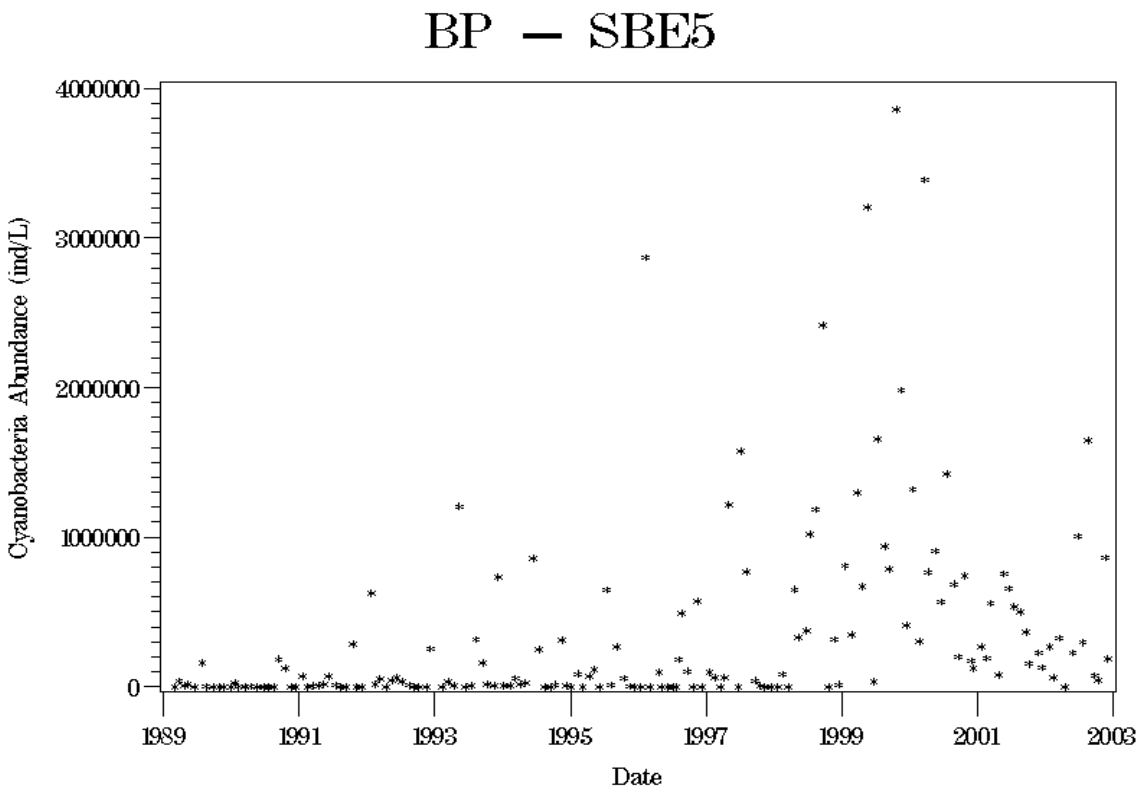

Figure Fl23. Plot of below pycnocline cyanophyte abundance at station SBE5 for the period of 1989 through 2002.

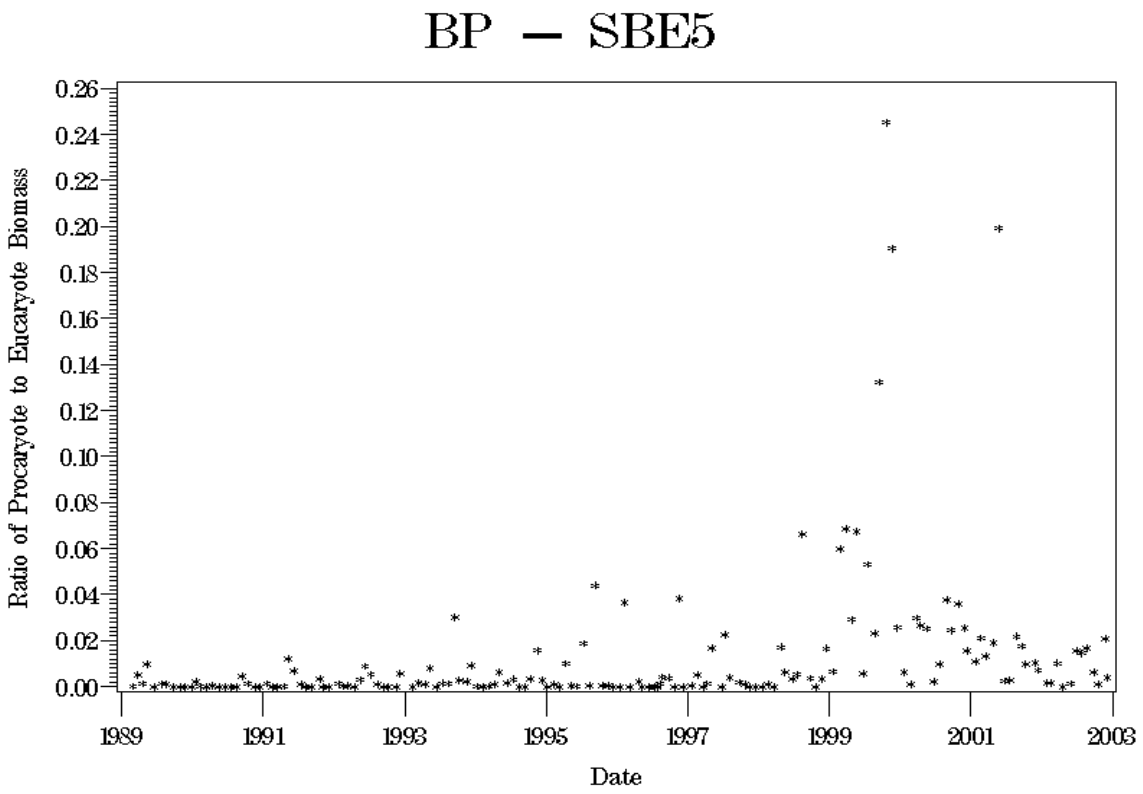

Figure Fl24. Plot of below pycnocline ratio of procaryote to eucaryote biomass at station SBE5 for the period of 1989 through 2002.

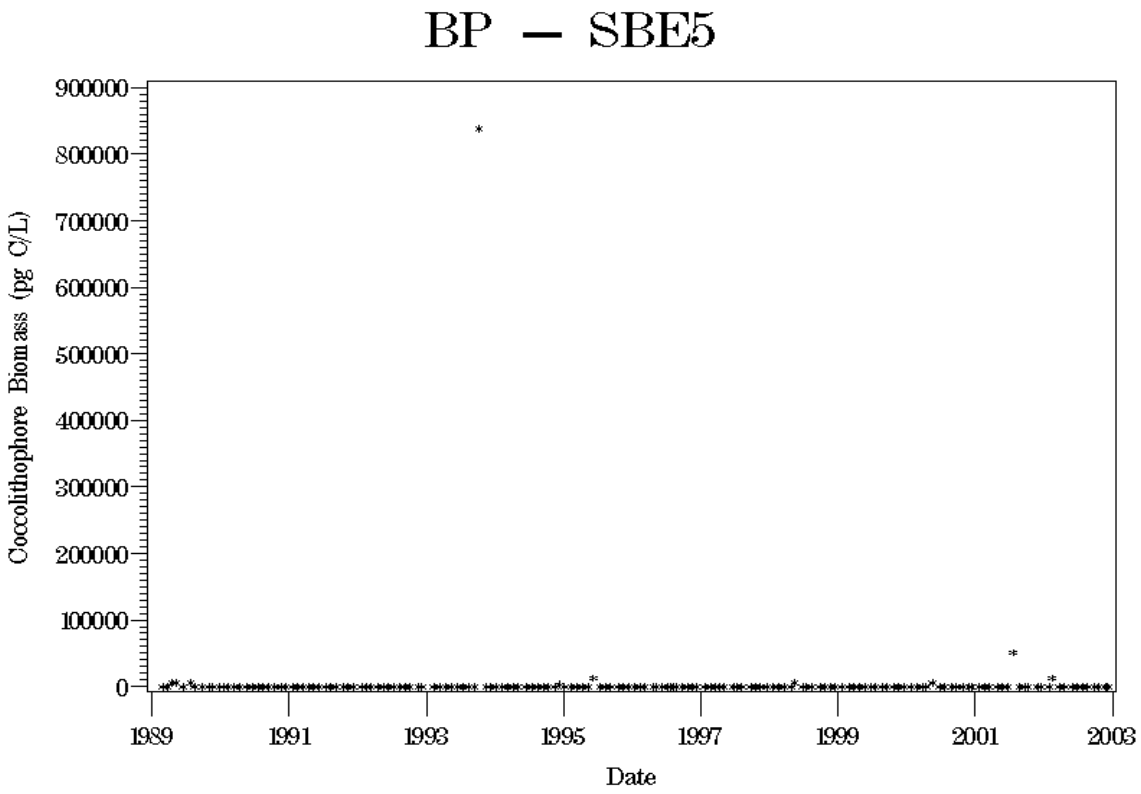

Figure Fl25. Plot of below pycnocline coccolothophore biomass at station SBE5 for the period of 1989 through 2002.

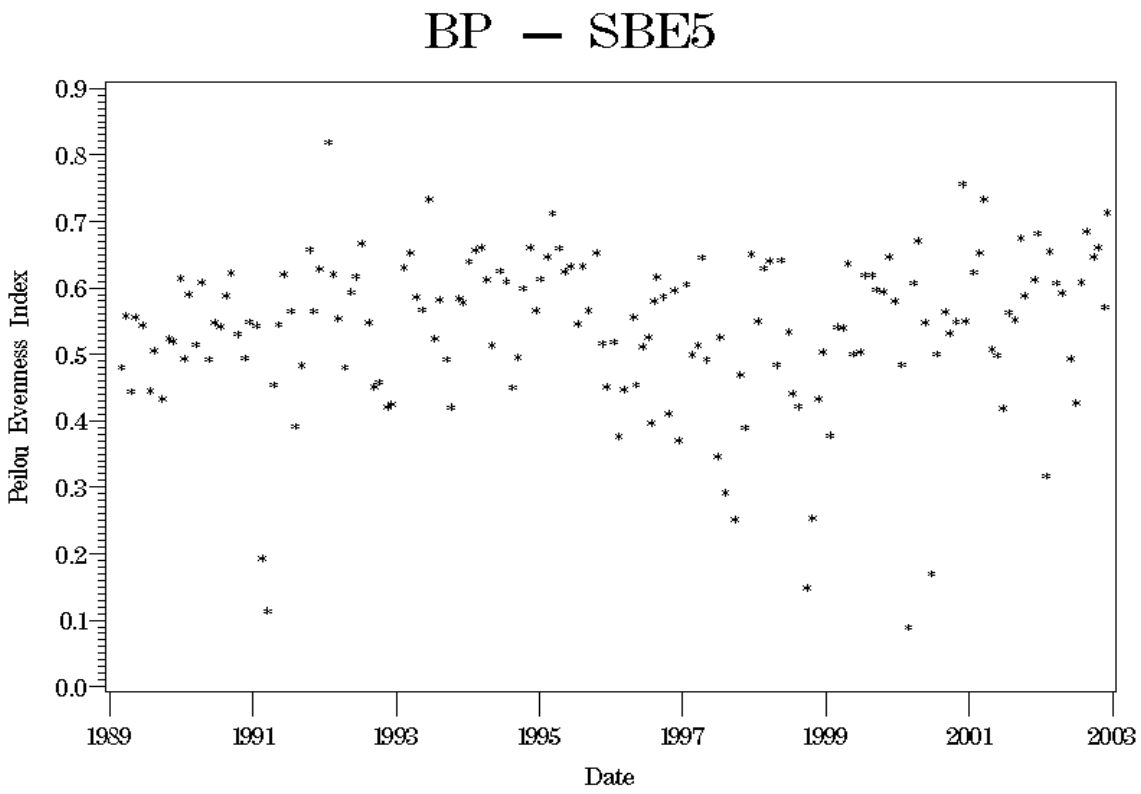

Figure Fl26. Plot of below pycnocline Pielou evenness index at station SBE5 for the period of 1989 through 2002.

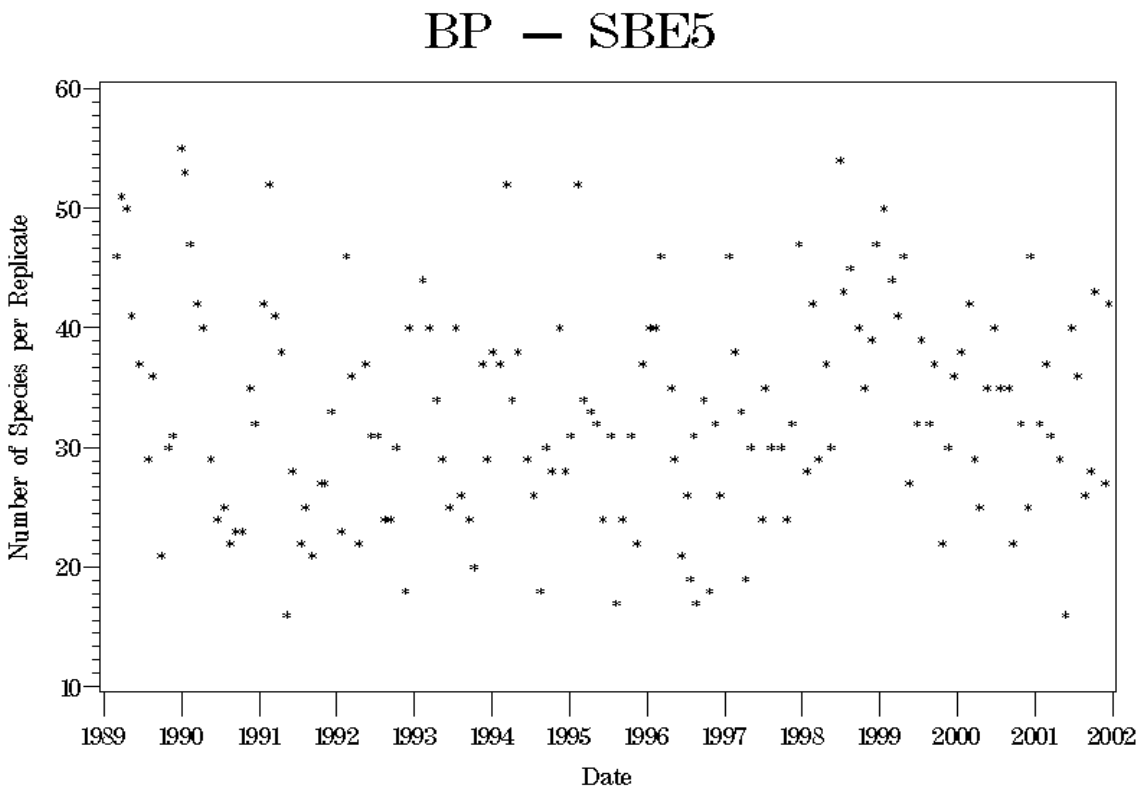

Figure Fl27. Plot of below pycnocline number of species per replicate at station SBE5 for the period of 1989 through 2002.

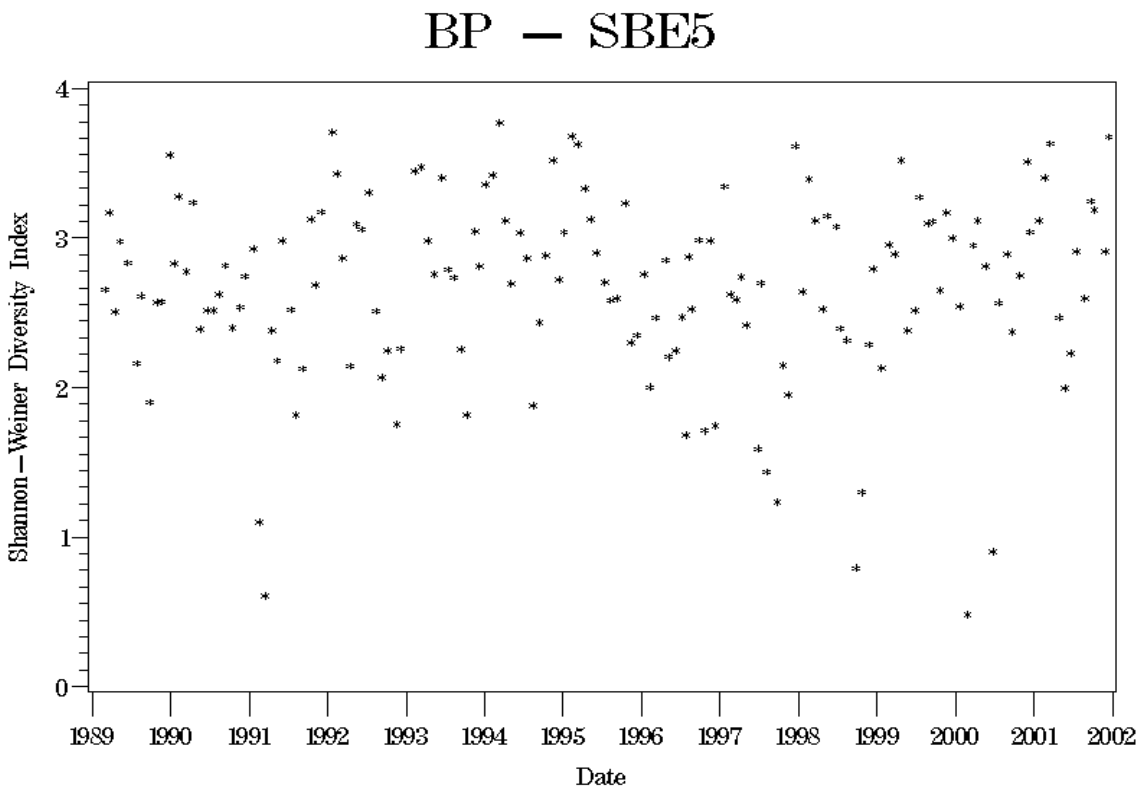

Figure Fl28. Plot of below pycnocline Shannon-Weiner Diversity index at station SBE5 for the period of 1989 through 2002.

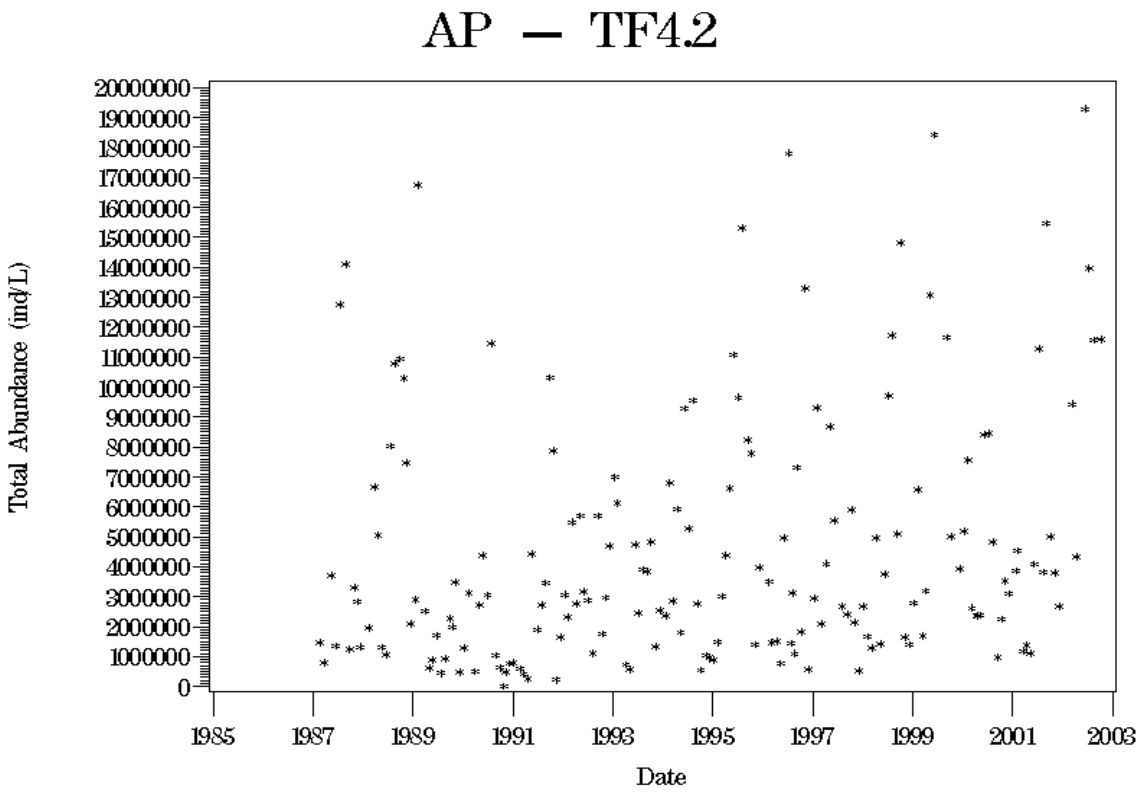

Figure F129. Plot of above pycnocline total phytoplankton abundance against time at station TF4.2 for the period of 1985 through 2002.

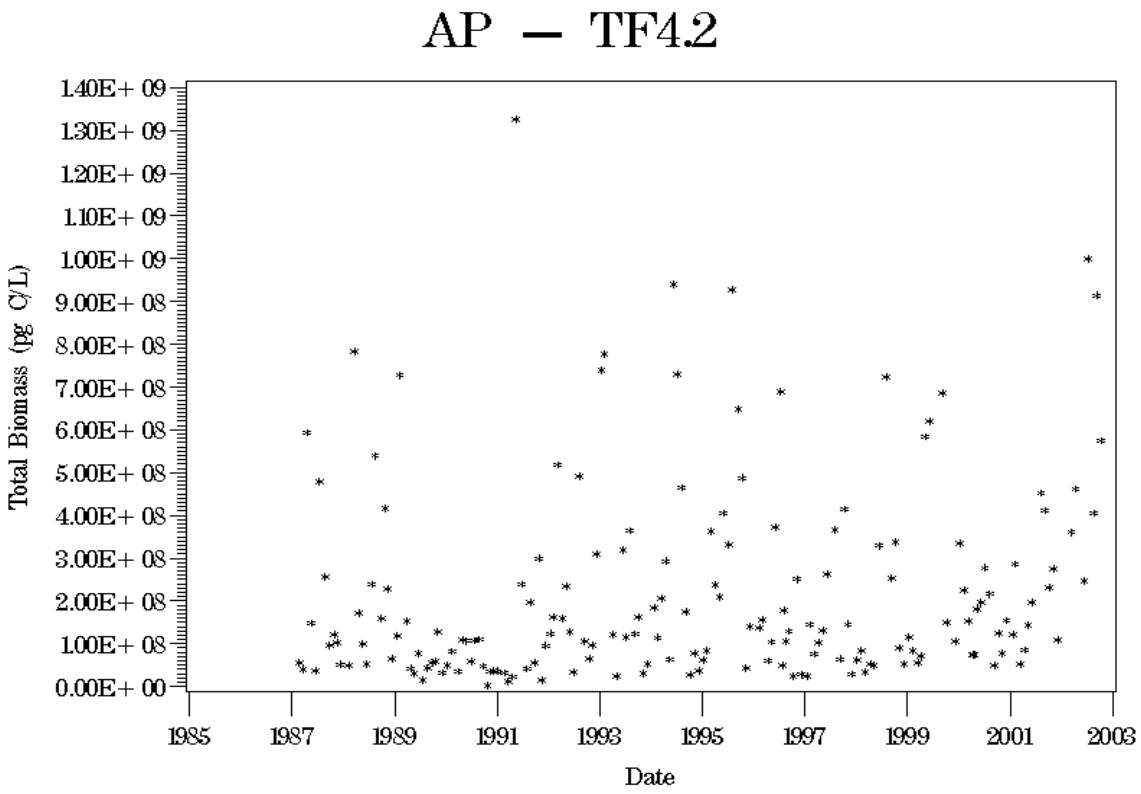

Figure F130. Plot of above pycnocline total phytoplankton biomass against time at station TF4.2 for the period of 1985 through 2002.

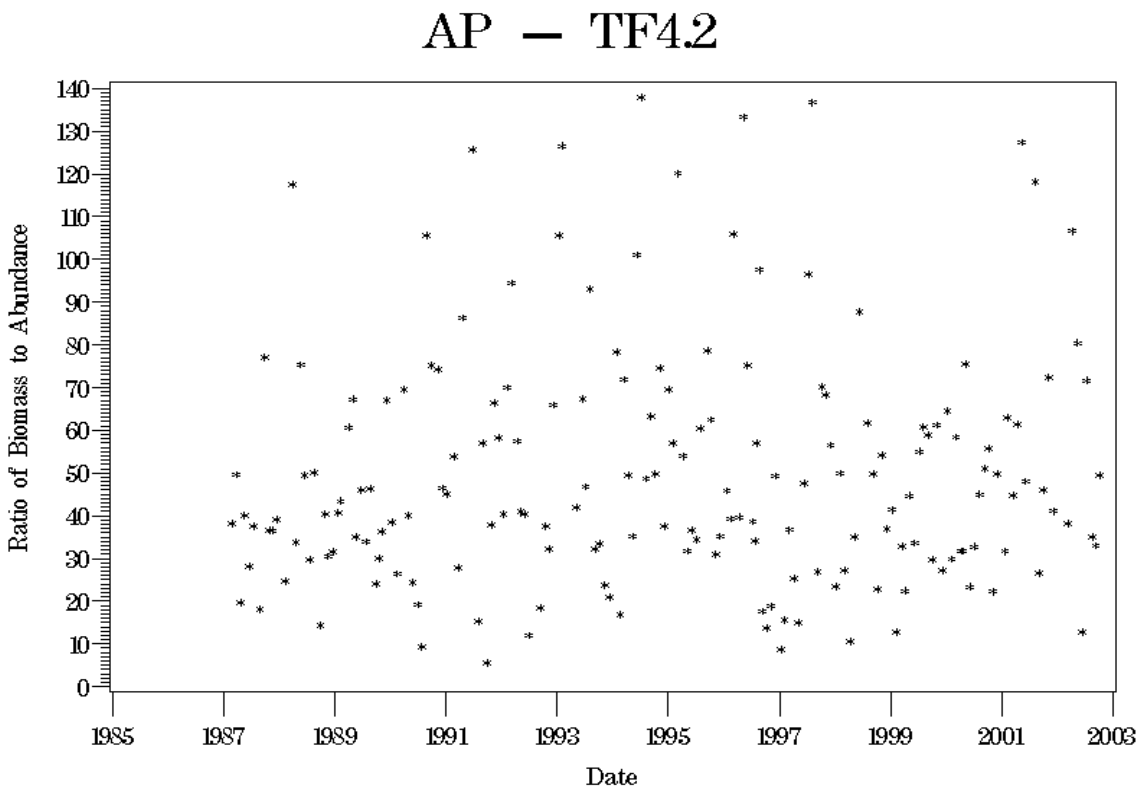

Figure F131. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station TF4.2 for the period of 1985 through 2002.

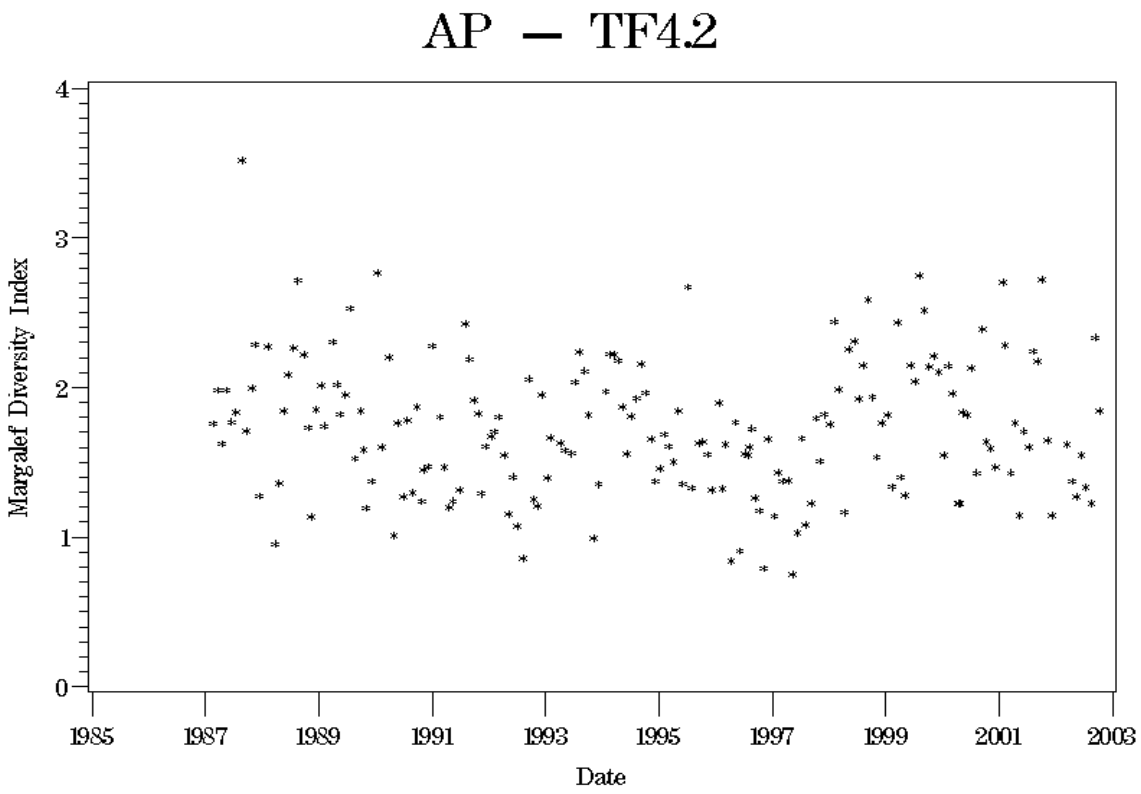

Figure F132. Plot of above pycnocline Margalef diversity index against time at station TF4.2 for the period of 1985 through 2002.

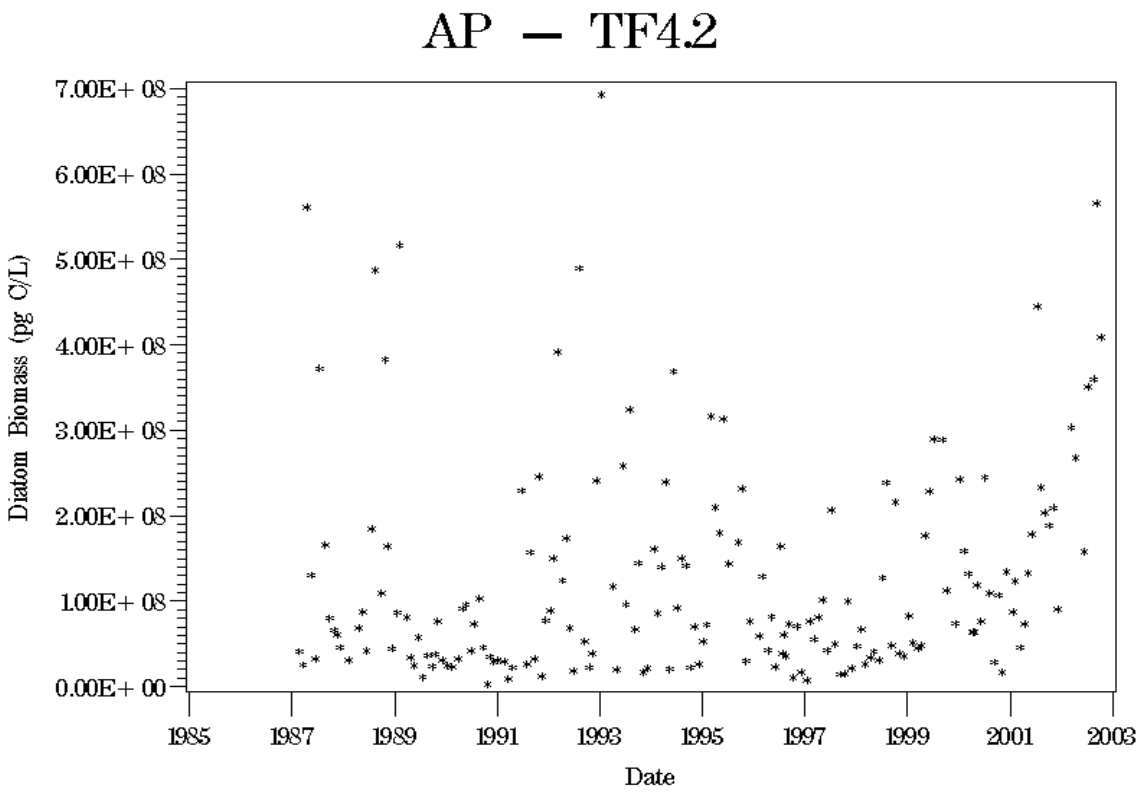

Figure F133. Plot of above pycnocline diatom biomass against time at station TF4.2 for the period of 1985 through 2002.

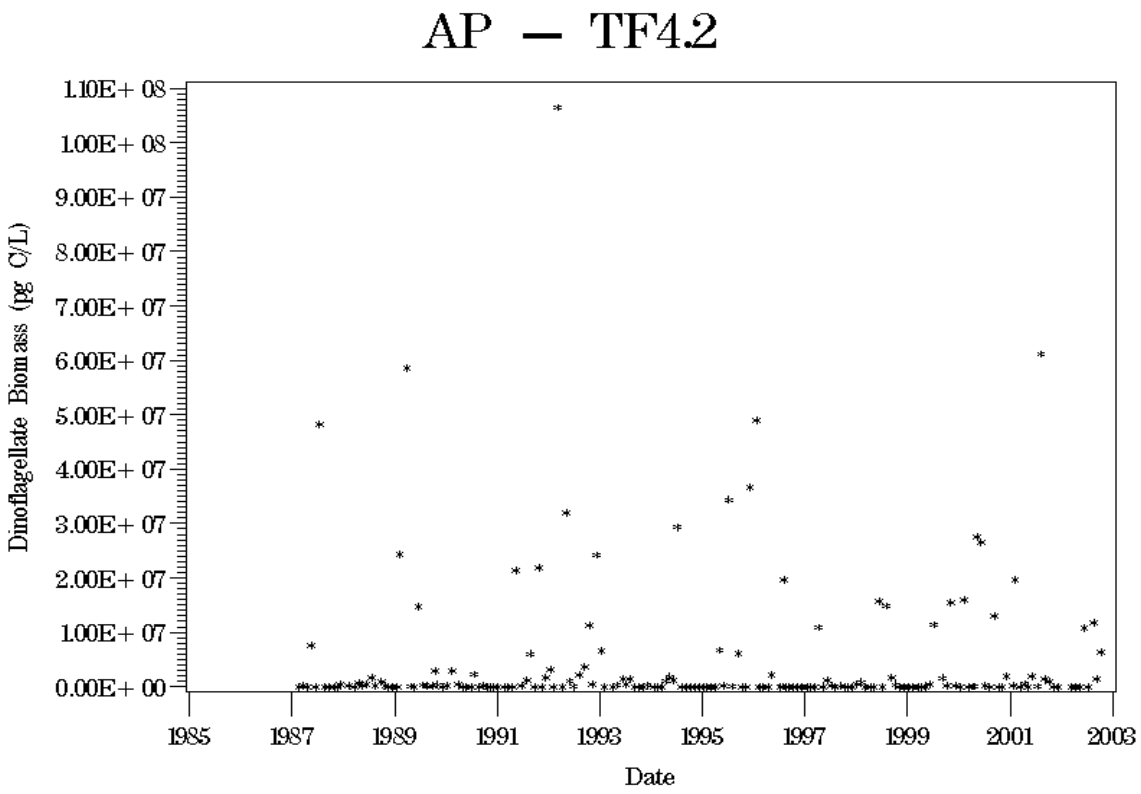

Figure F134. Plot of above pycnocline dinoflagellate biomass against time at station TF4.2 for the period of 1985 through 2002.

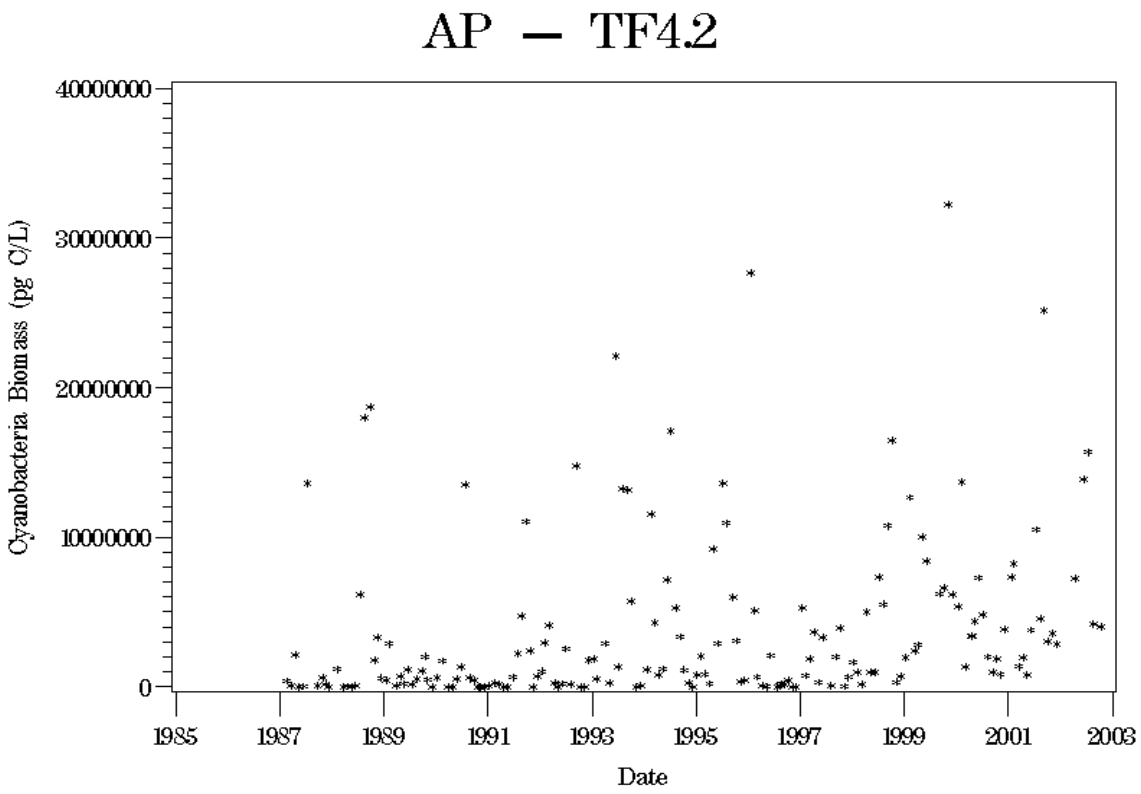

Figure F135. Plot of above pycnocline cyanobacteria biomass against time at station TF4.2 for the period of 1985 through 2002.

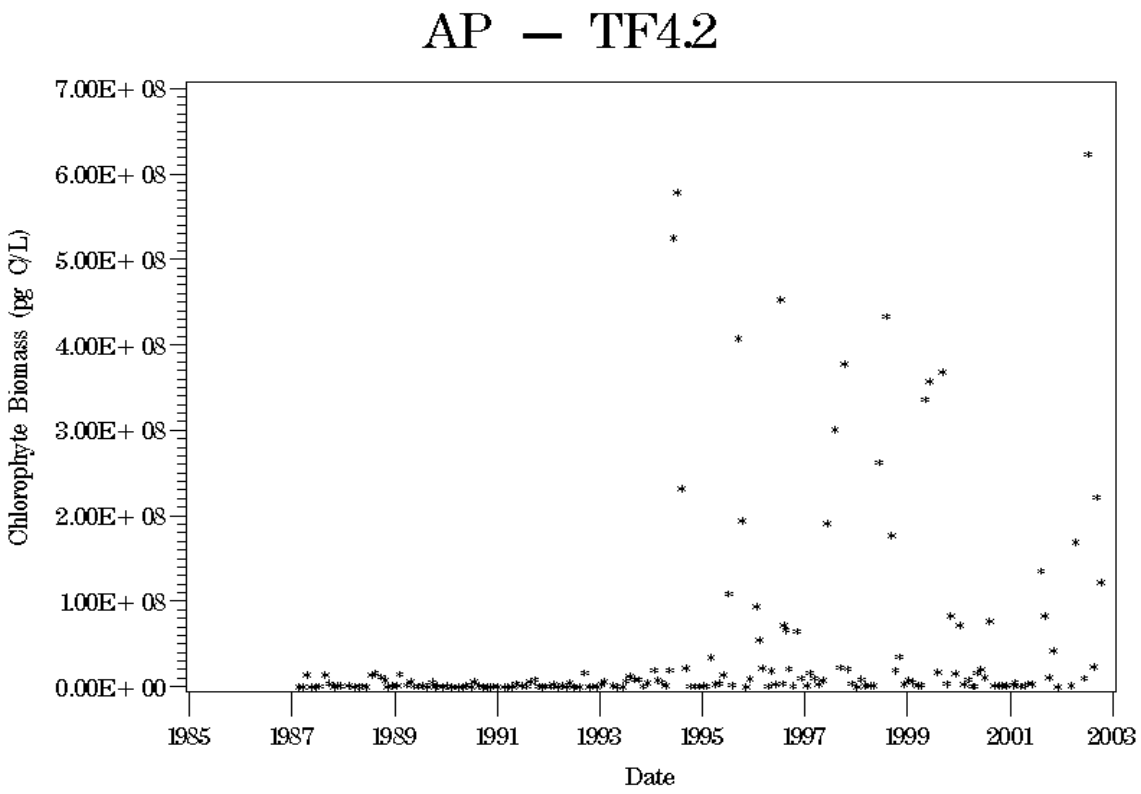

Figure F136. Plot of above pycnocline chlorophyte biomass against time at station TF4.2 for the period of 1985 through 2002.

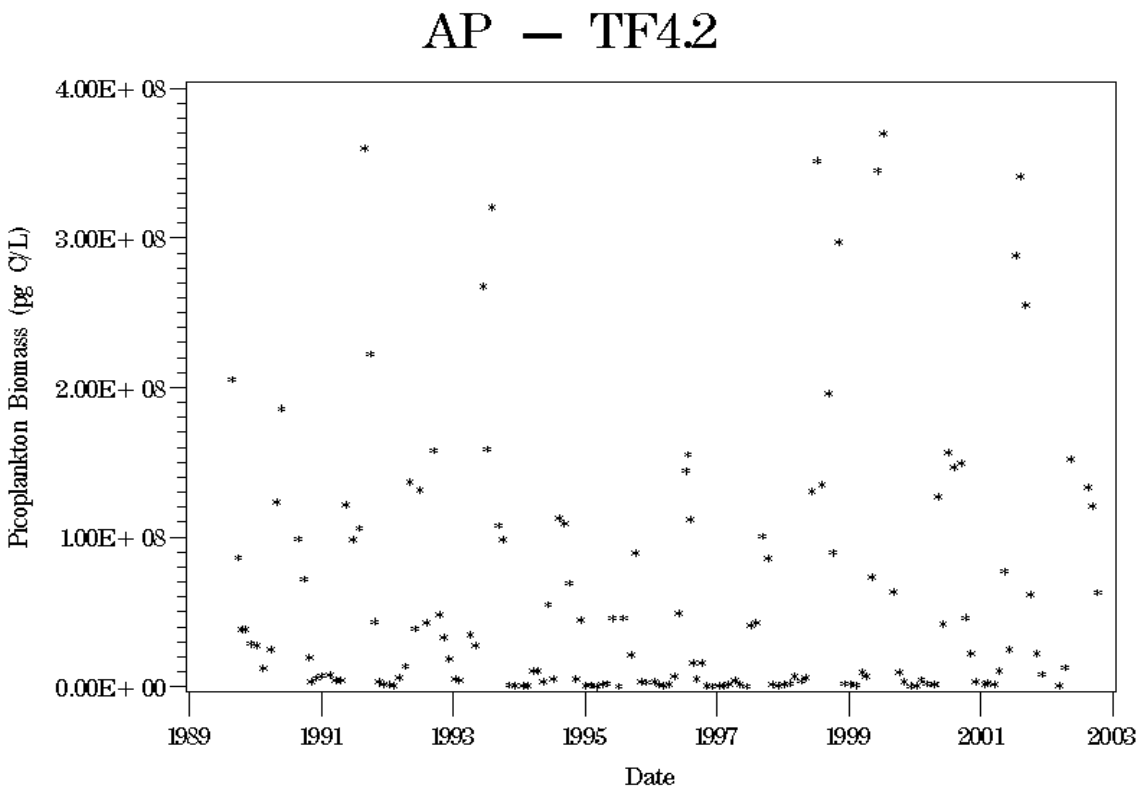

Figure F137. Plot of above pycnocline picoplankton biomass against time at station TF4.2 for the period of 1985 through 2002.

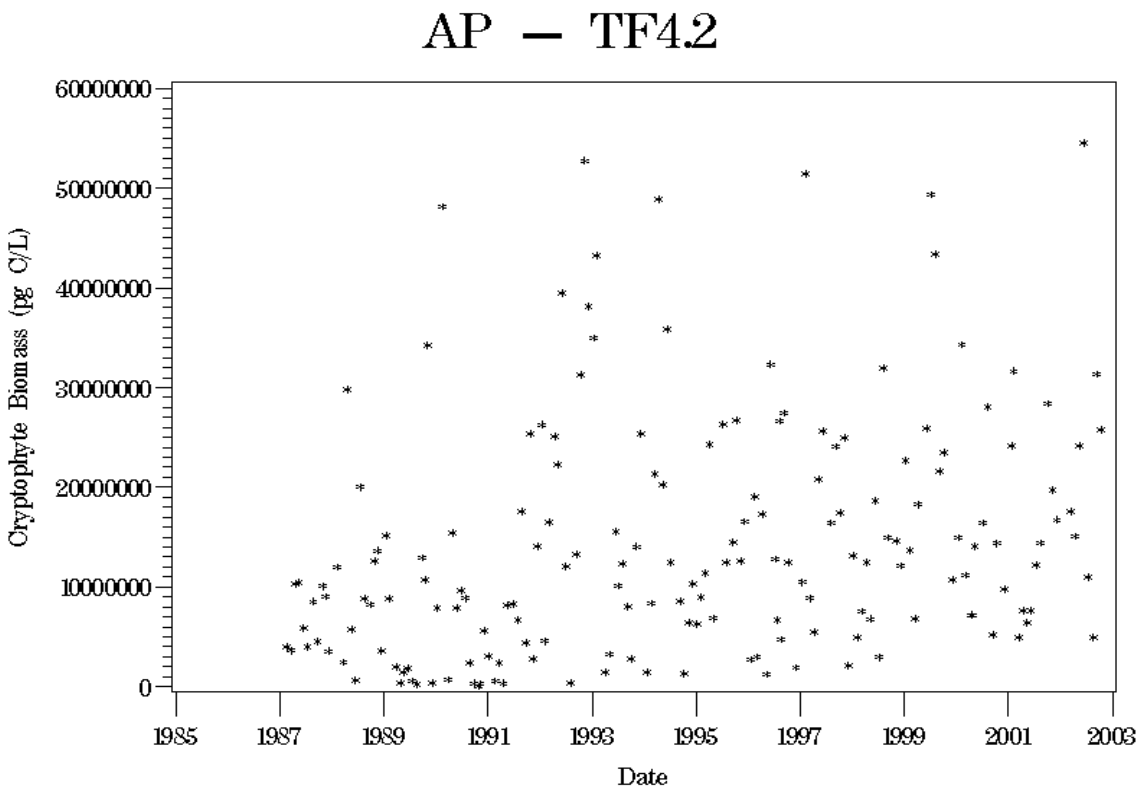

Figure Fl38. Plot of above pycnocline cryptophyte biomass at station TF4.2 for the period of 1985 through 2002.

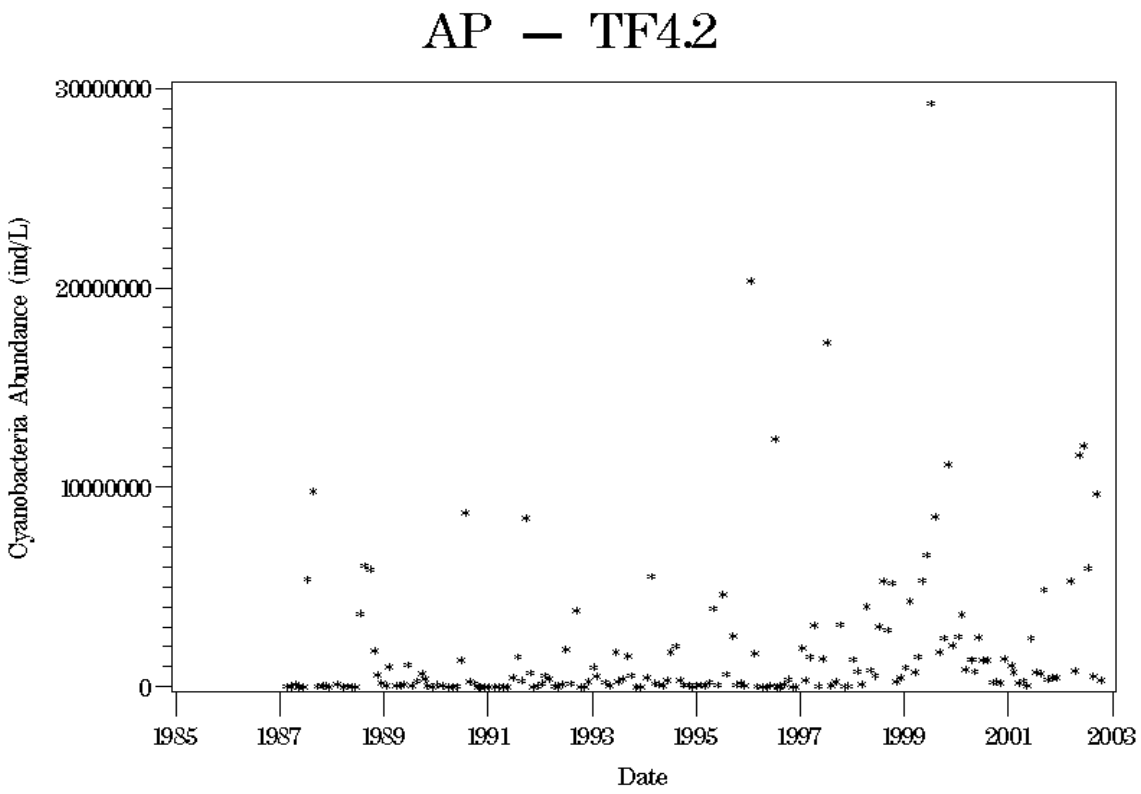

Figure Fl39. Plot of above pycnocline cyanophyte abundance at station TF4.2 for the period of 1985 through 2002.

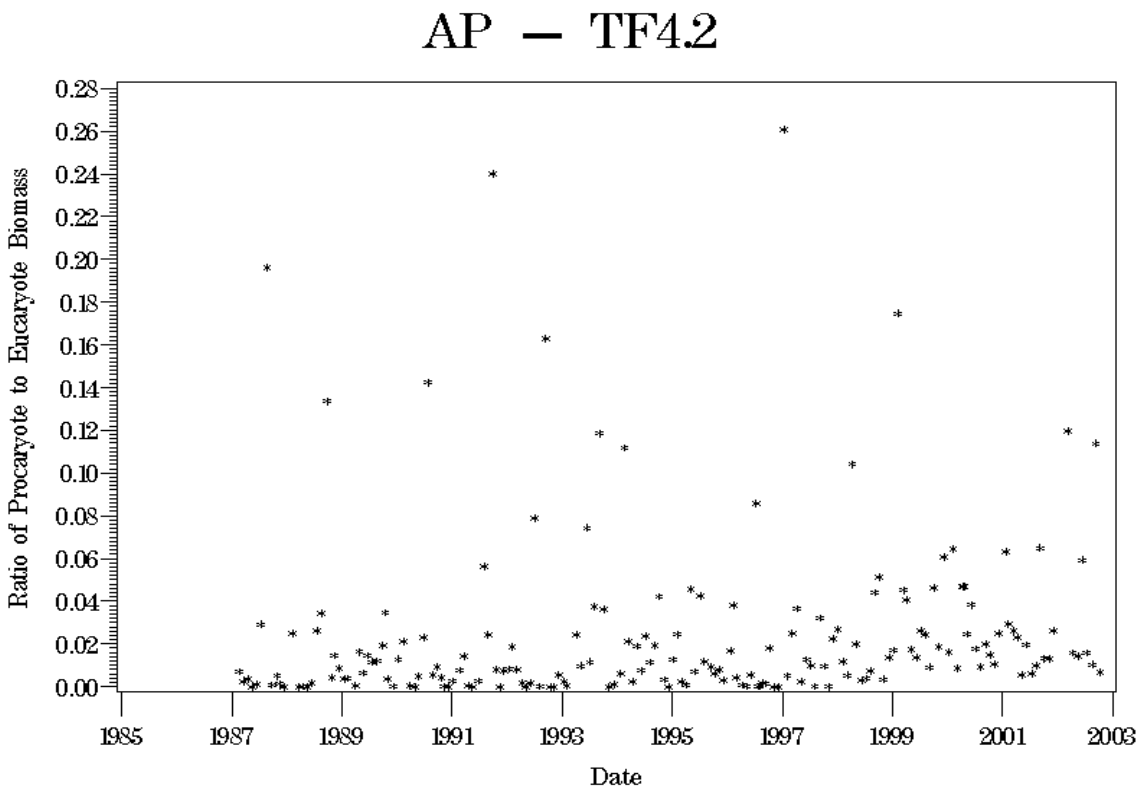

Figure Fl40. Plot of above pycnocline ratio of procaryote to eucaryote biomass at station TF4.2 for the period of 1985 through 2002.

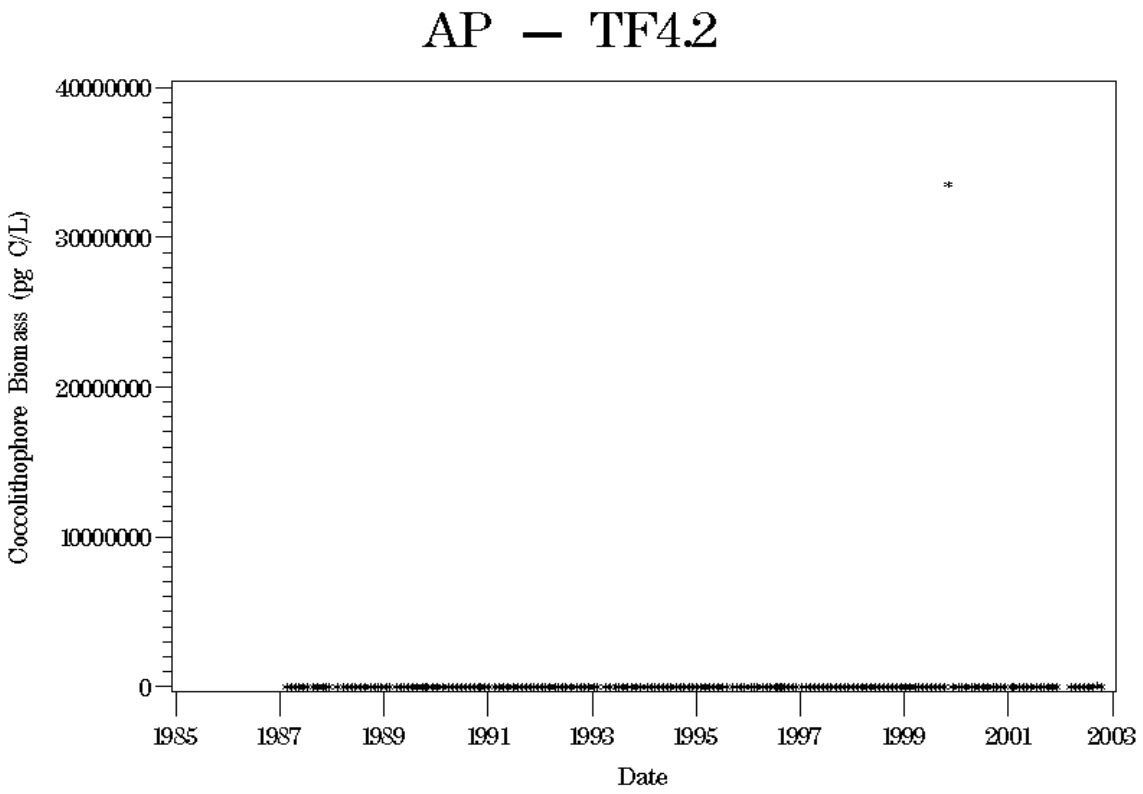

Figure Fl41. Plot of above pycnocline coccolithophore biomass at station TF4.2 for the period of 1985 through 2002.

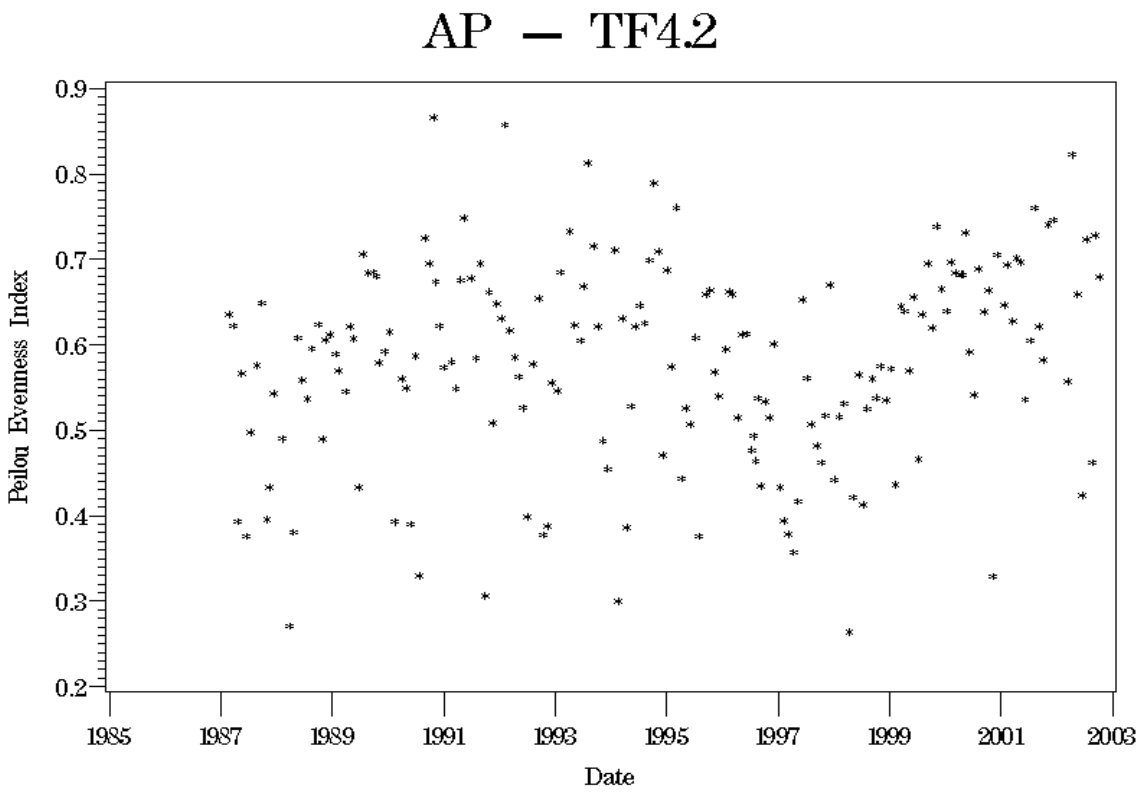

Figure Fl42. Plot of above pycnocline Peilou evenness index at station TF4.2 for the period of 1985 through 2002.

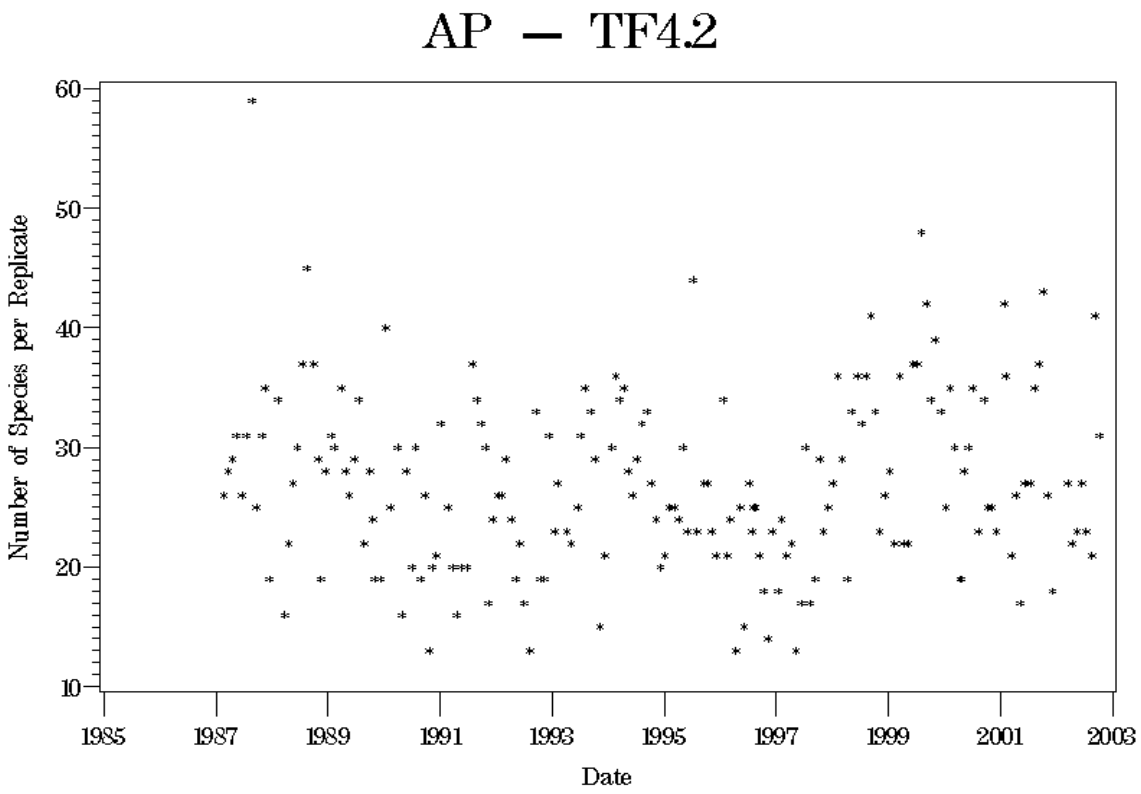

Figure Fl43. Plot of above pycnocline number of species per replicate at station TF4.2 for the period of 1985 through 2002.

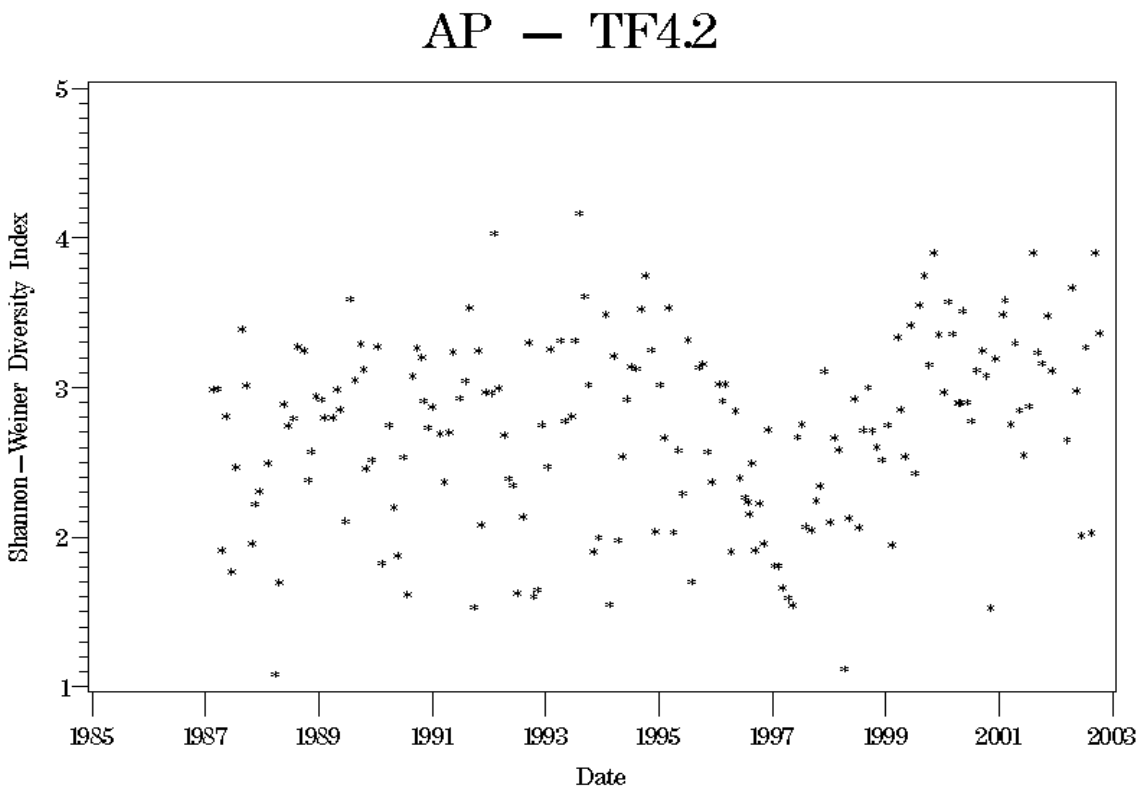

Figure Fl44. Plot of above pycnocline Shannon-Weiner Diversity index at station TF4.2 for the period of 1985 through 2002.

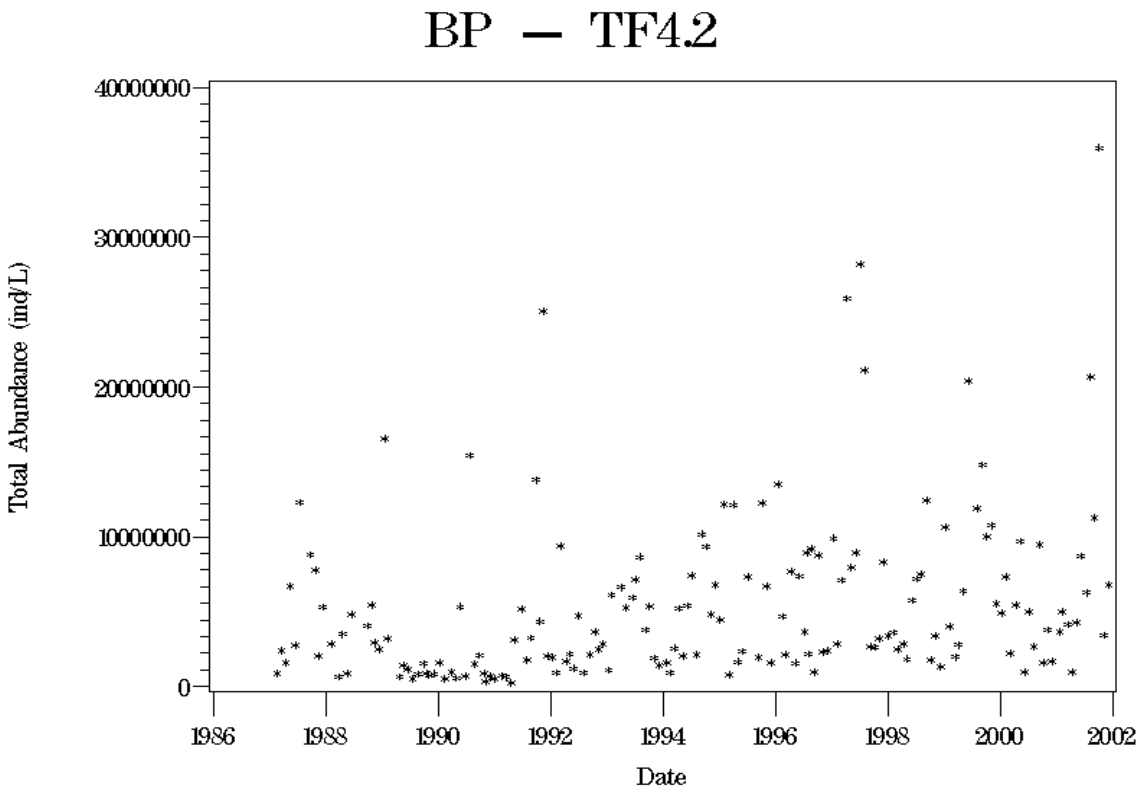

Figure F145. Plot of below pycnocline total phytoplankton abundance against time at station TF4.2 for the period of 1985 through 2002.

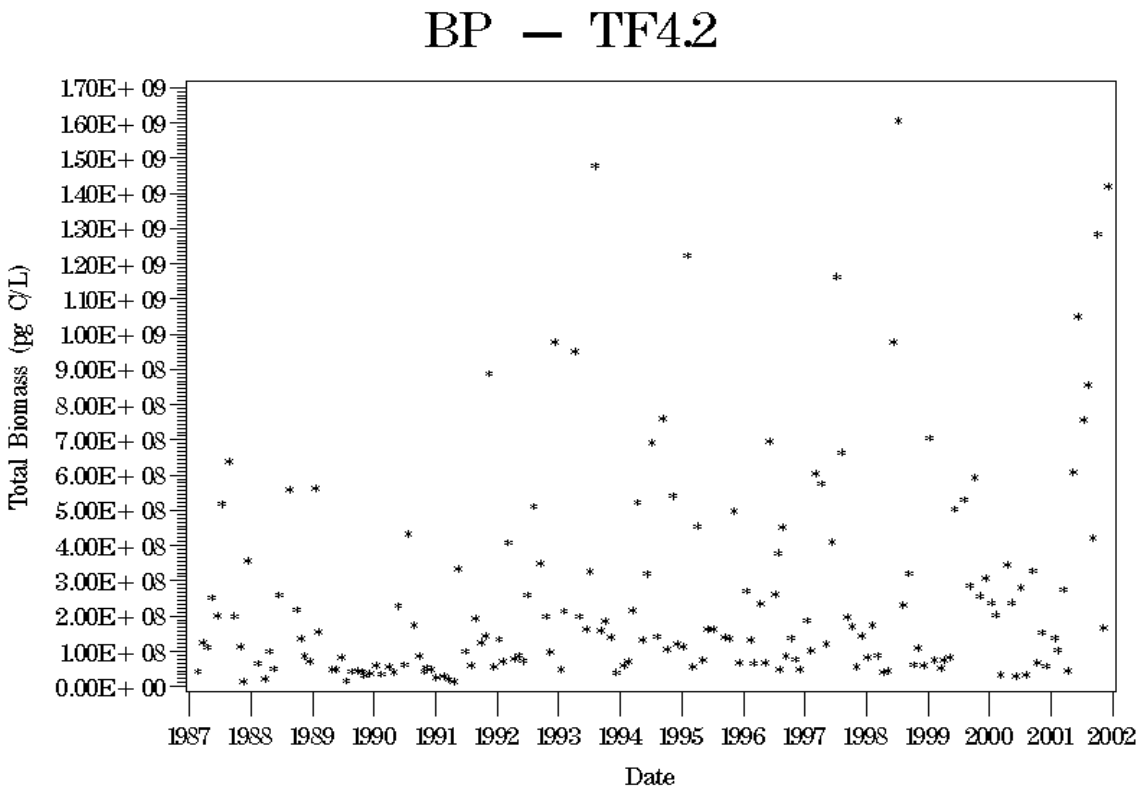

Figure F146. Plot of below pycnocline total phytoplankton biomass against time at station TF4.2 for the period of 1985 through 2002.

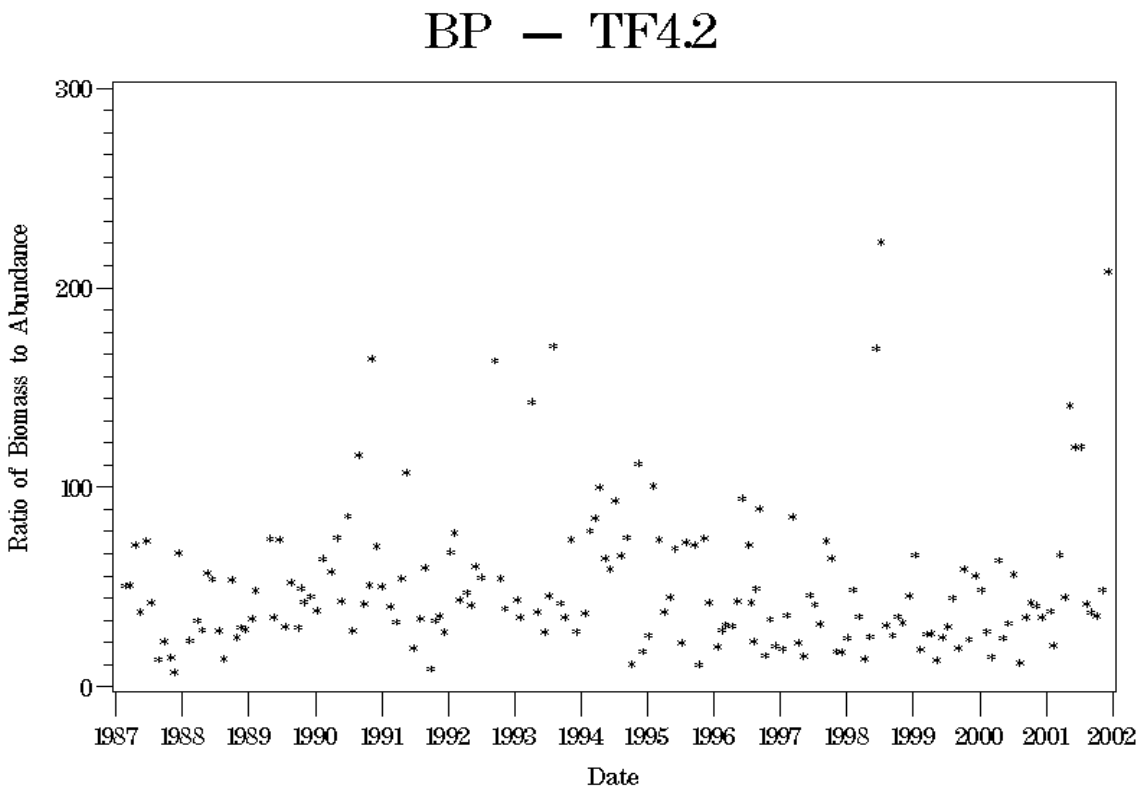

Figure F147. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station TF4.2 for the period of 1985 through 2002.

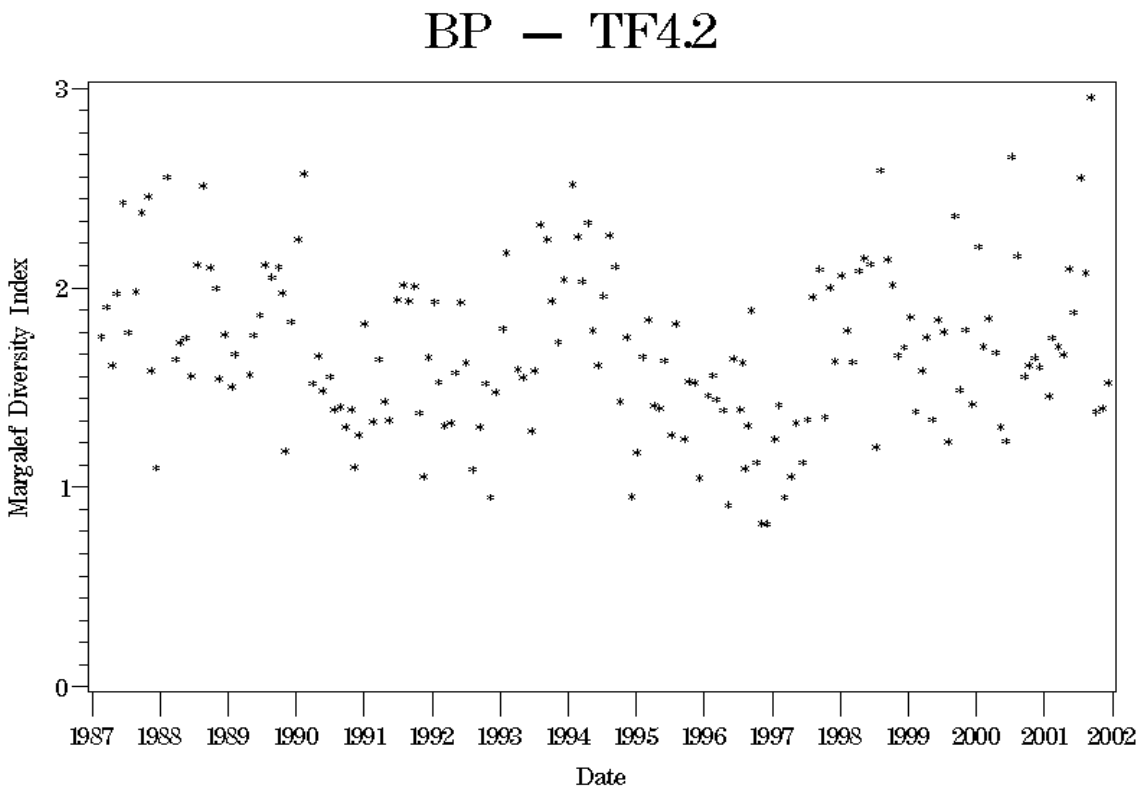

Figure F148. Plot of below pycnocline Margalef diversity index against time at station TF4.2 for the period of 1985 through 2002.

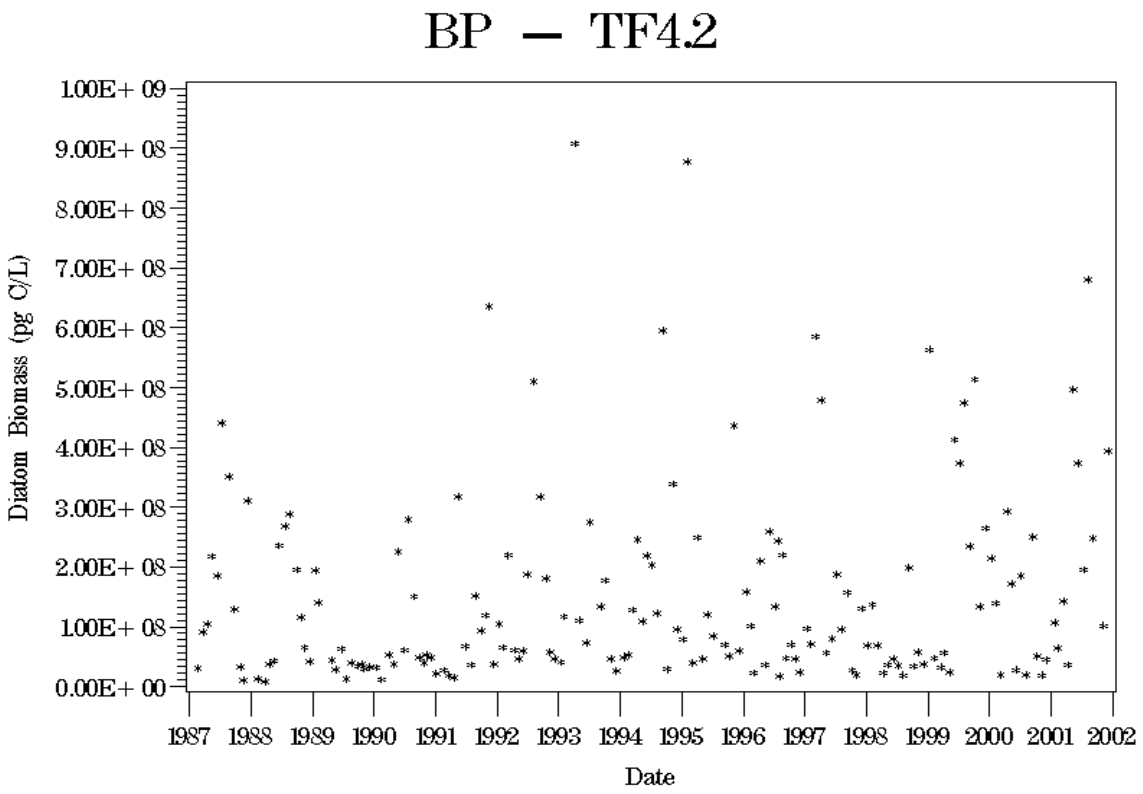

Figure F149. Plot of below pycnocline diatom biomass against time at station TF4.2 for the period of 1985 through 2002.

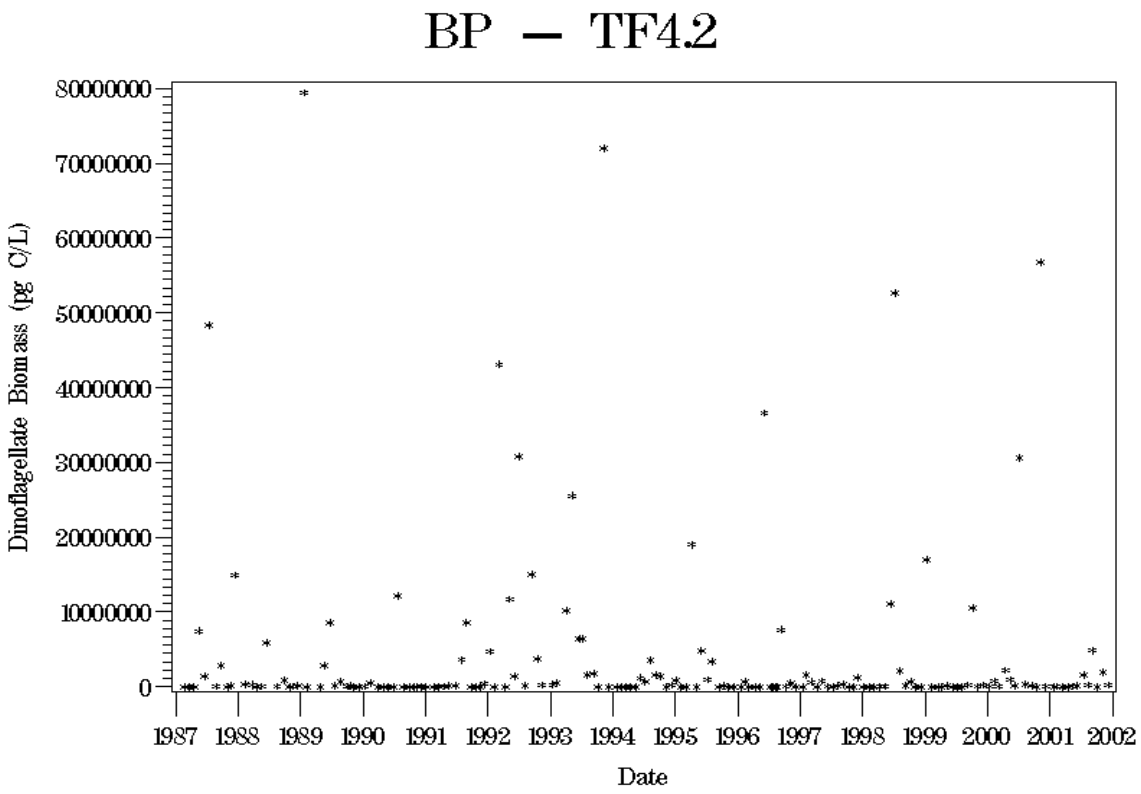

Figure F150. Plot of below pycnocline dinoflagellate biomass against time at station TF4.2 for the period of 1985 through 2002.

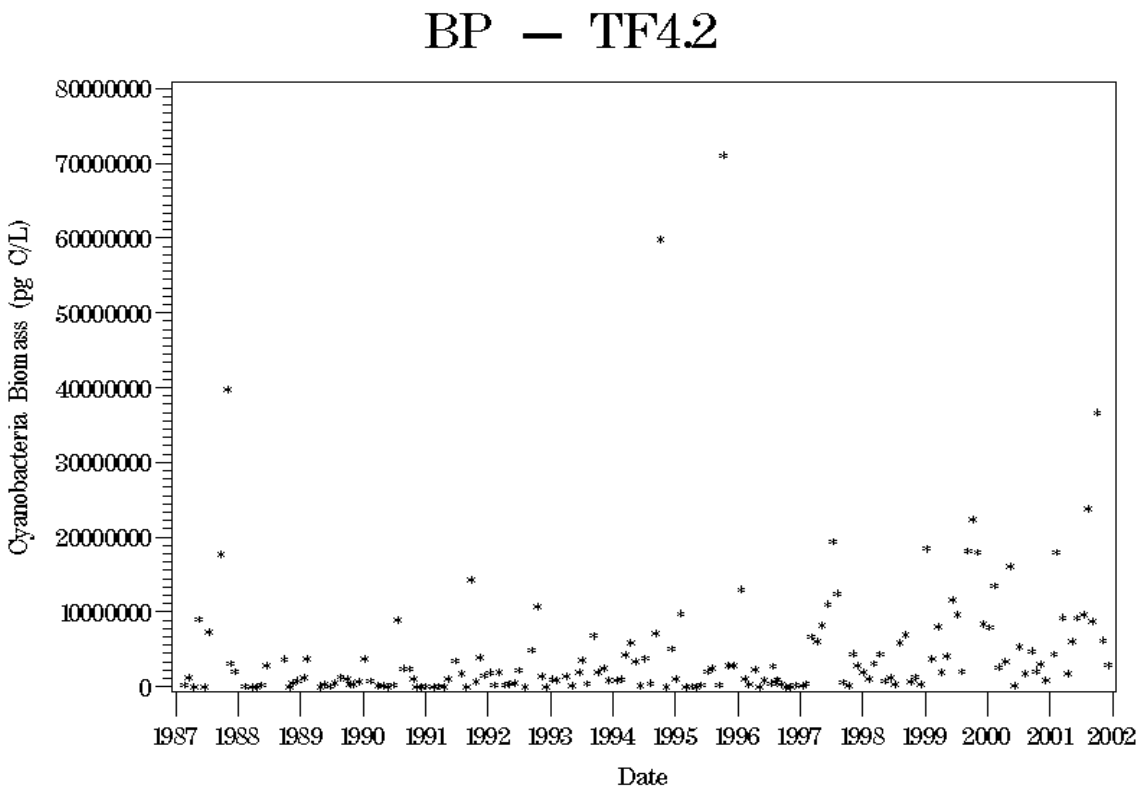

Figure F151. Plot of below pycnocline cyanobacteria biomass against time at station TF4.2 for the period of 1985 through 2002.

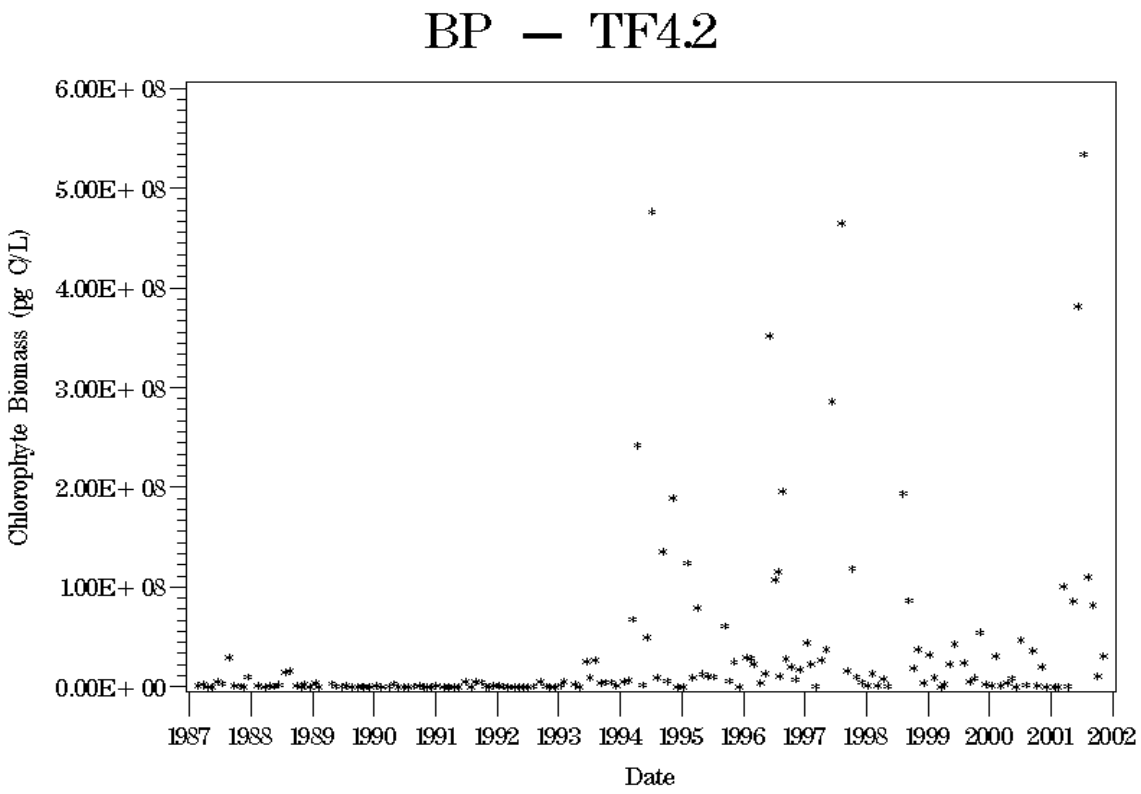

Figure F152. Plot of below pycnocline chlorophyte biomass against time at station TF4.2 for the period of 1985 through 2002.

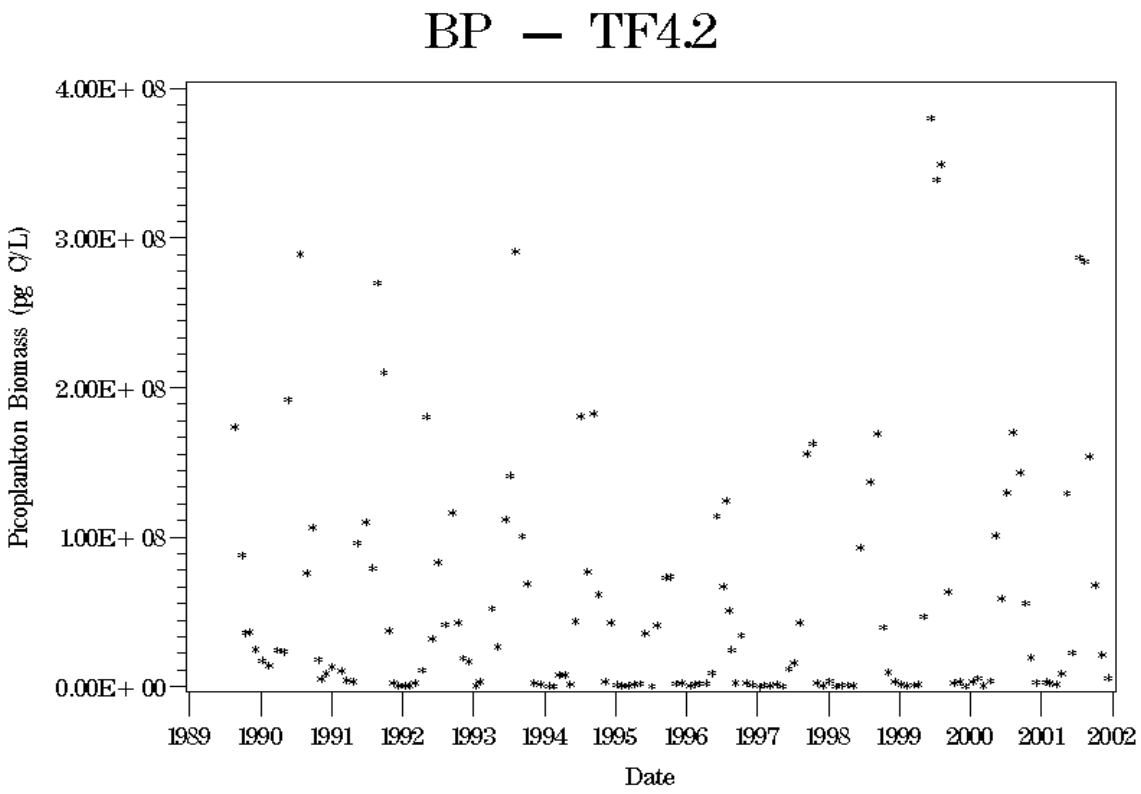

Figure F153. Plot of below pycnocline picoplankton biomass against time at station TF4.2 for the period of 1985 through 2002.

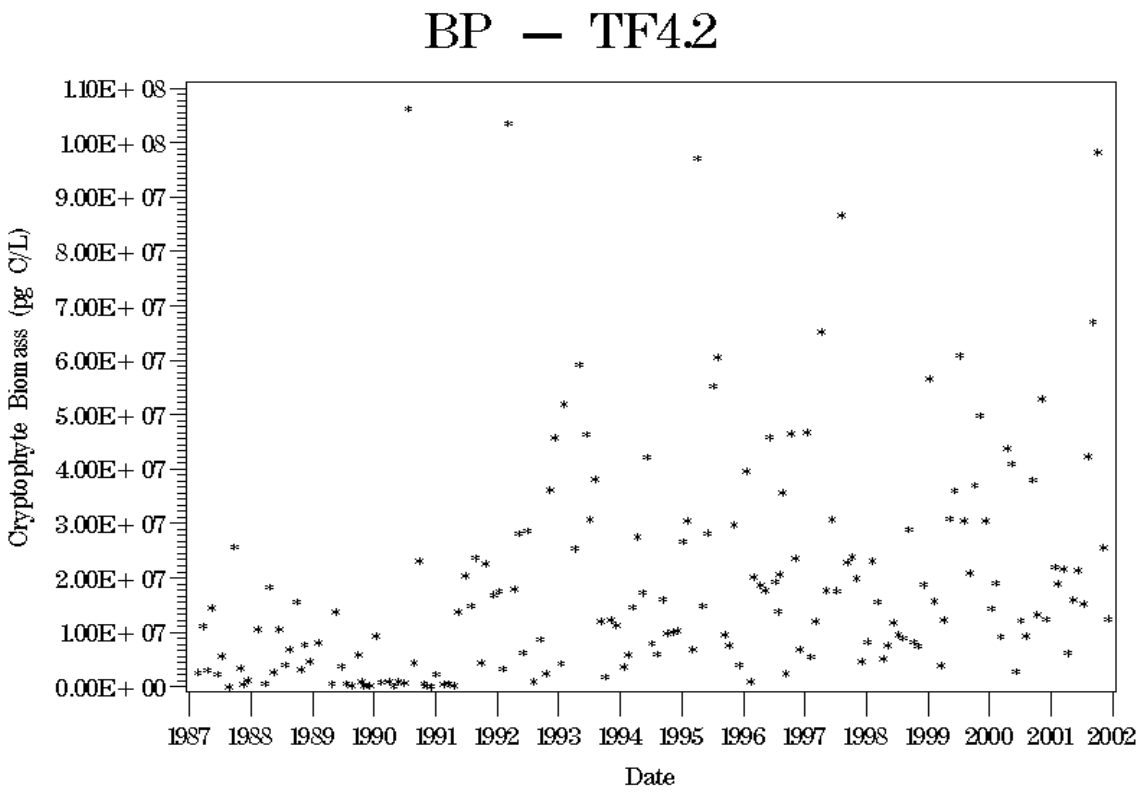

Figure F154. Plot of below pycnocline cryptophyte biomass at station TF4.2 for the period of 1985 through 2002.

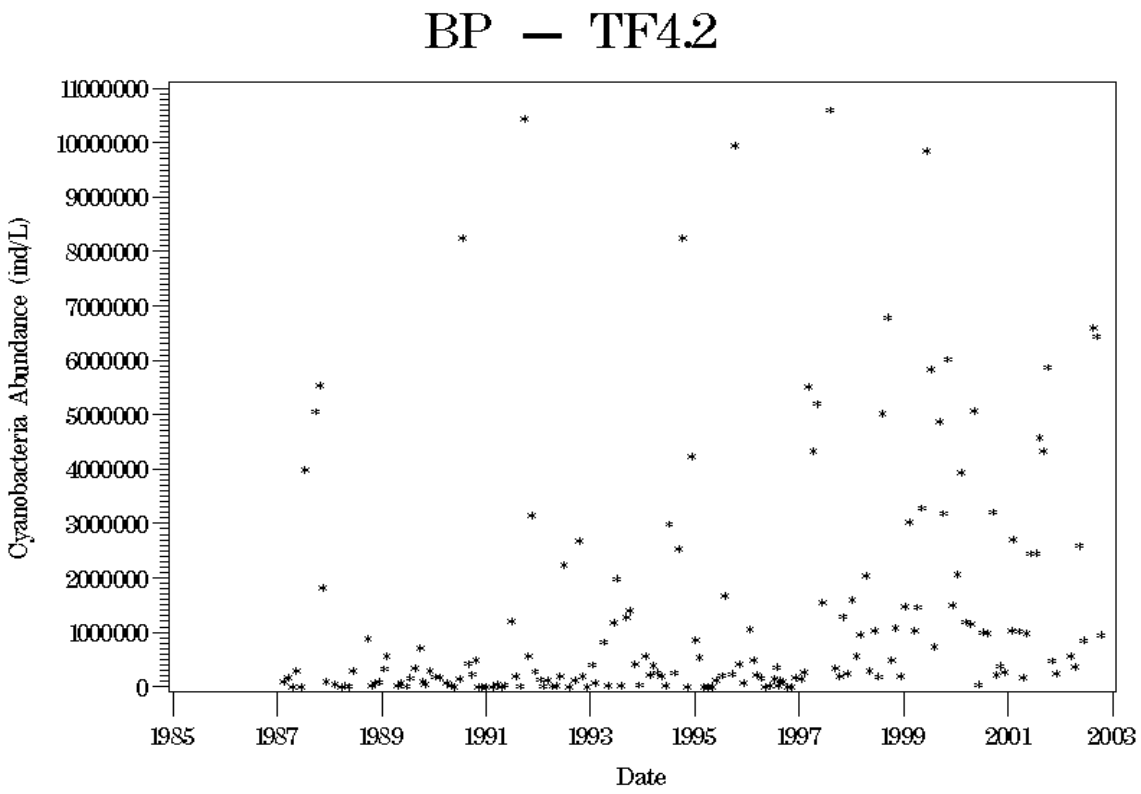

Figure F155. Plot of below pycnocline cyanophyte abundance at station TF4.2 for the period of 1985 through 2002.

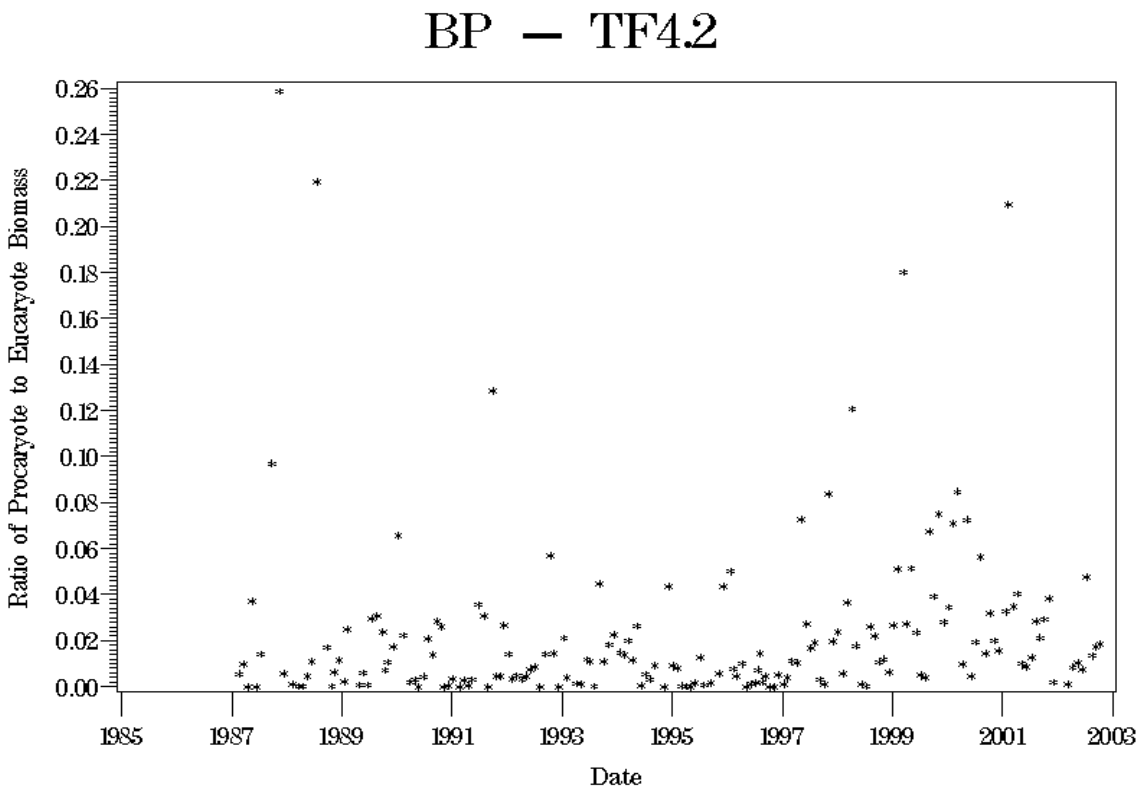

Figure Fl56. Plot of below pycnocline ratio of procaryote to eucaryote biomass at station TF4.2 for the period of 1985 through 2002.

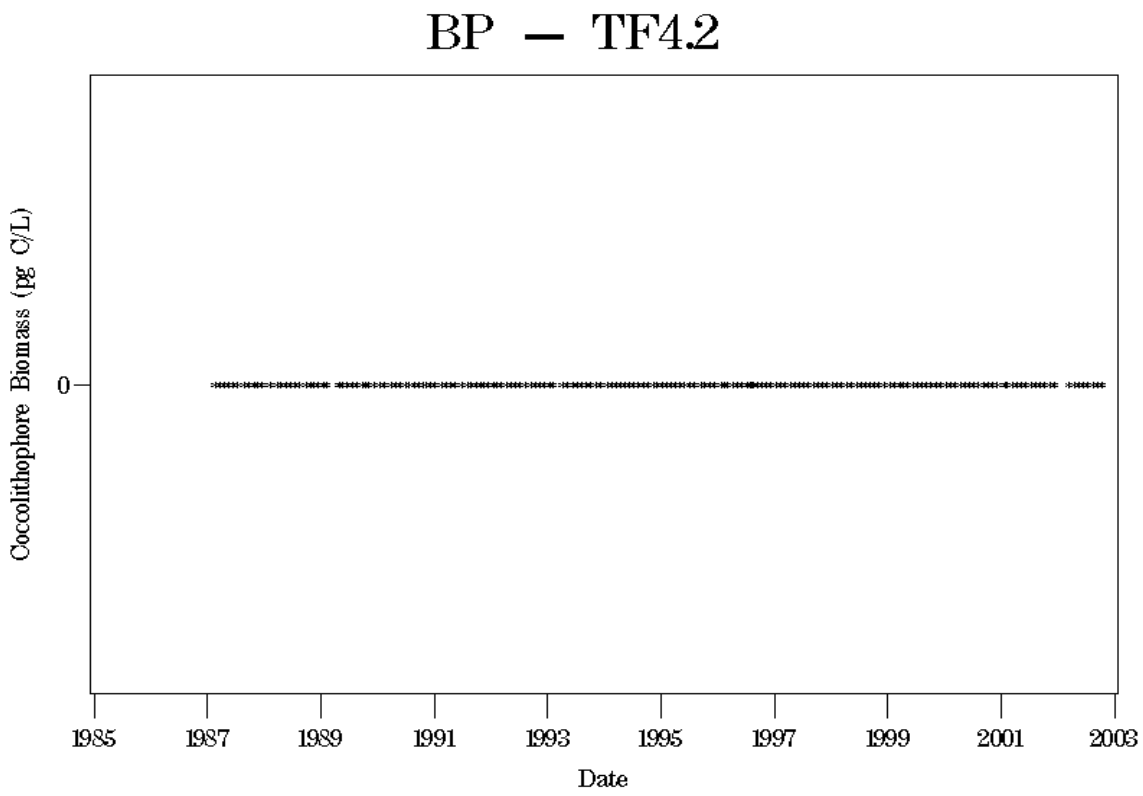

Figure F157. Plot of below pycnocline coccolithophore biomass at station TF4.2 for the period of 1985 through 2002.

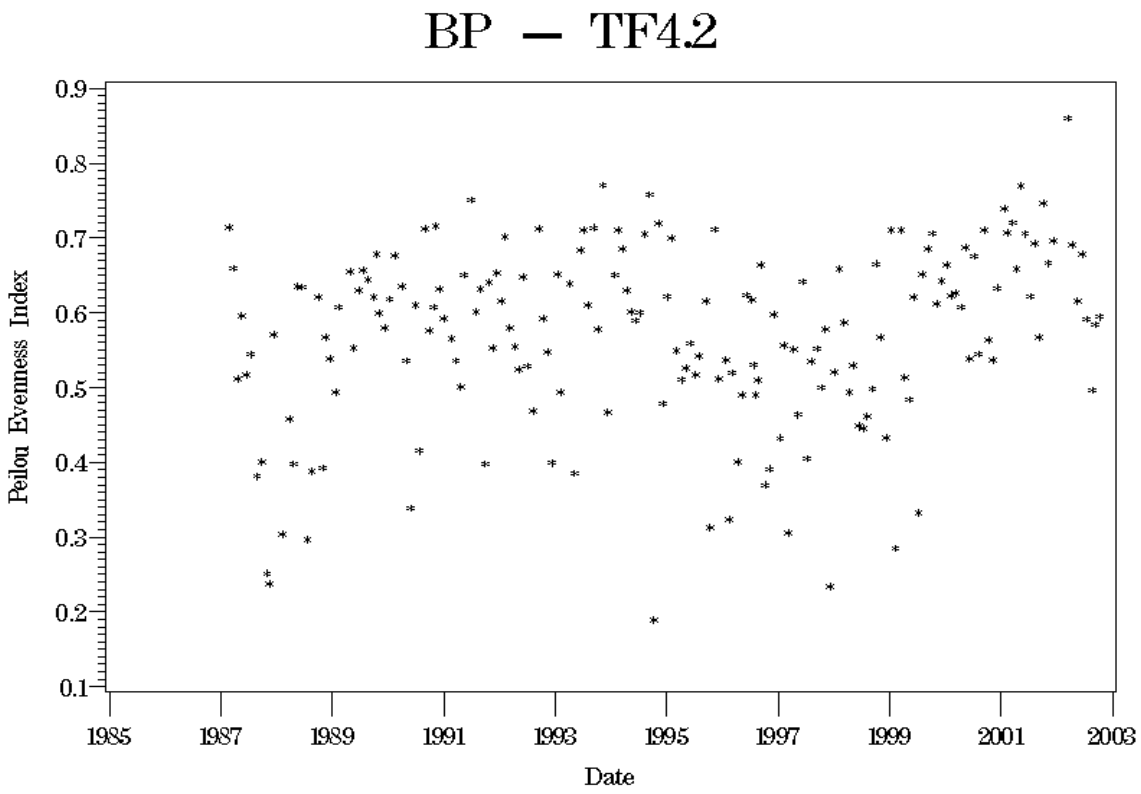

Figure Fl58. Plot of below pycnocline Pielou evenness index at station TF4.2 for the period of 1985 through 2002.

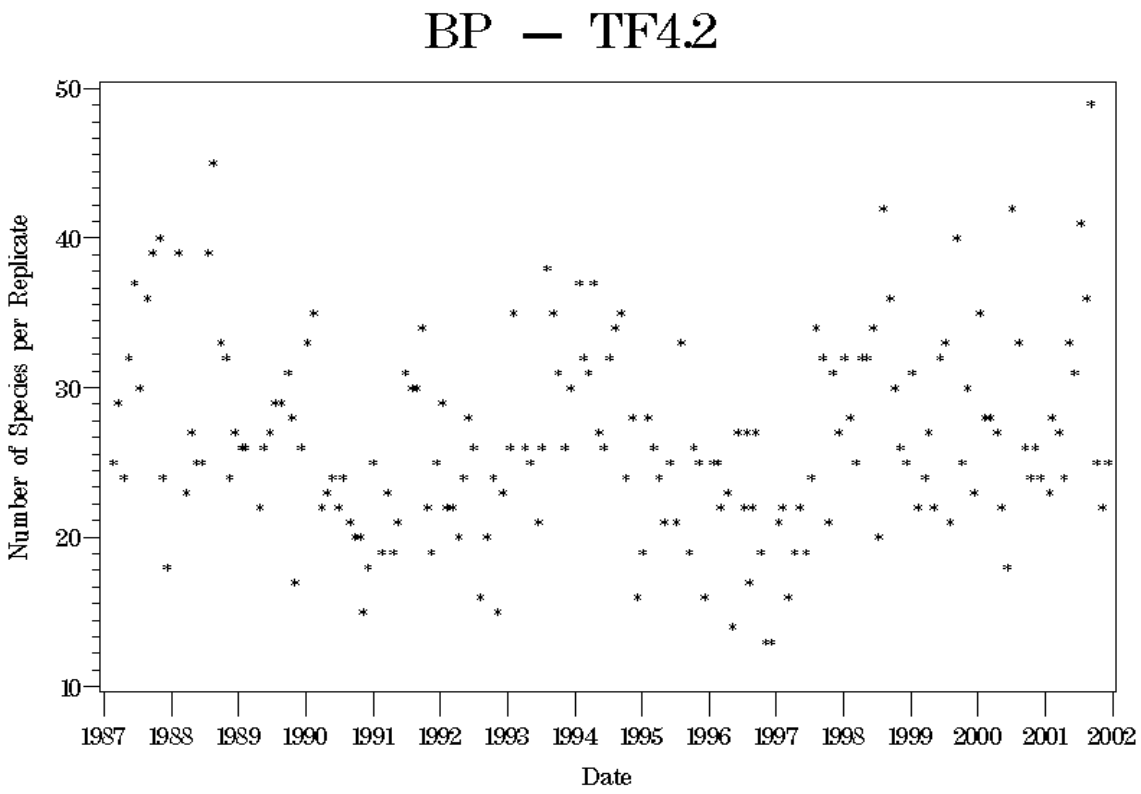

Figure F159. Plot of below pycnocline number of species per replicate at station TF4.2 for the period of 1985 through 2002.

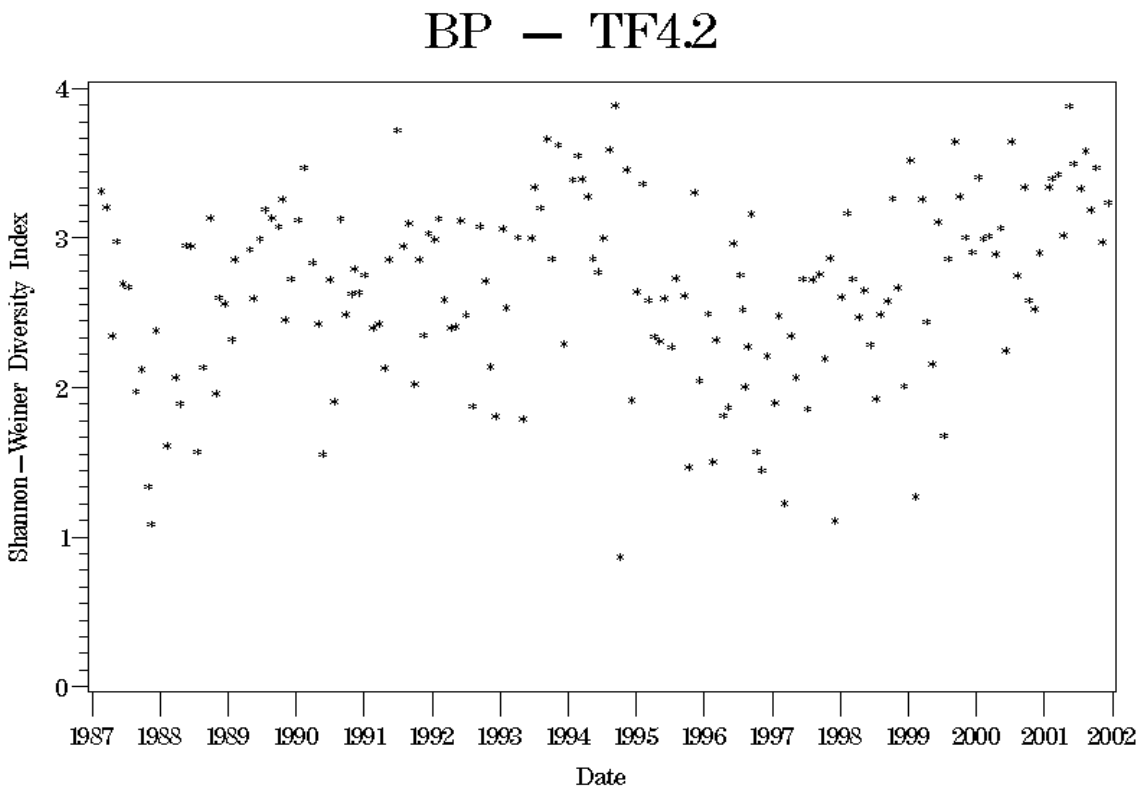

Figure Fl60. Plot of below pycnocline Shannon-Weiner Diversity index at station TF4.2 for the period of 1985 through 2002.

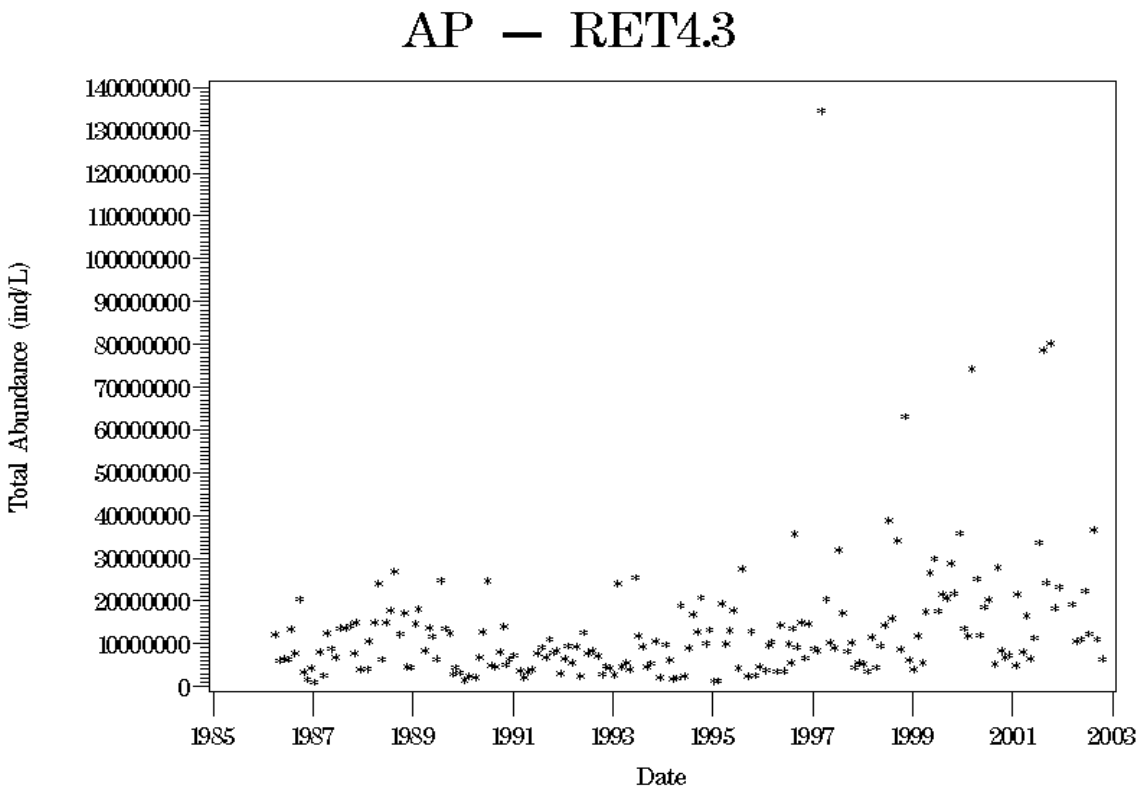

Figure F161. Plot of above pycnocline total phytoplankton abundance against time at station RET4.3 for the period of 1985 through 2002.

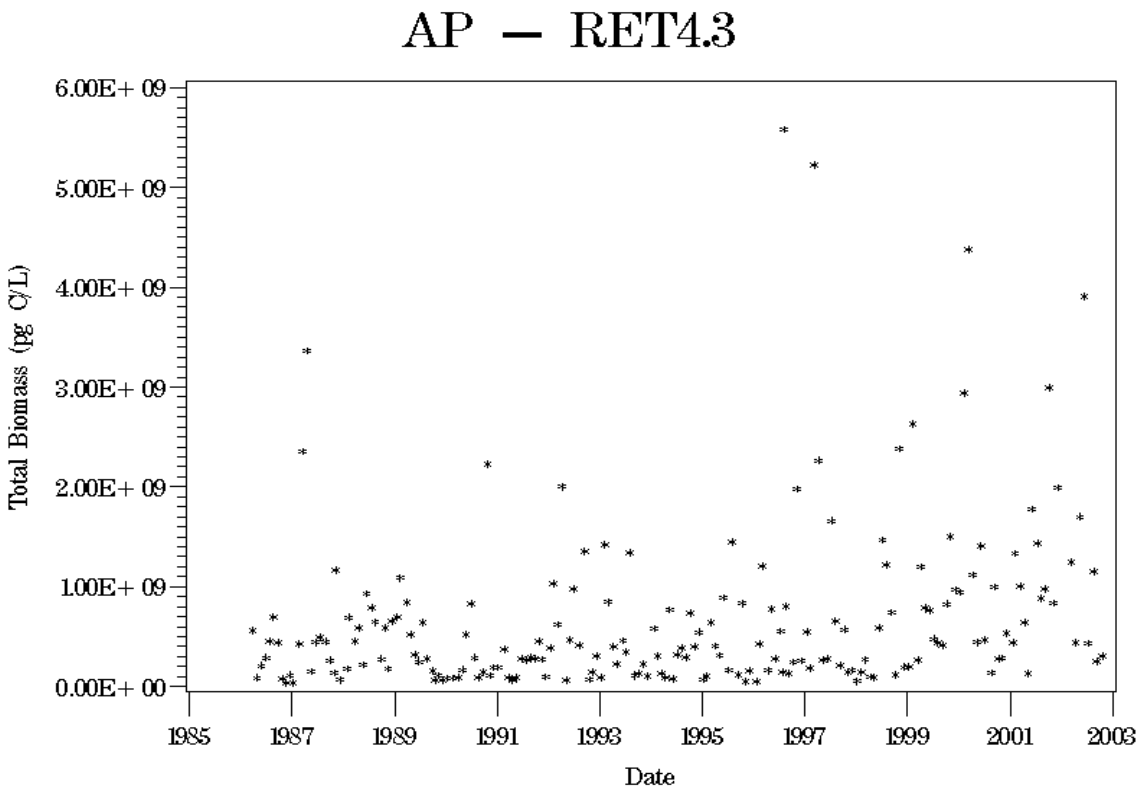

Figure F162. Plot of above pycnocline total phytoplankton biomass against time at station RET4.3 for the period of 1985 through 2002.

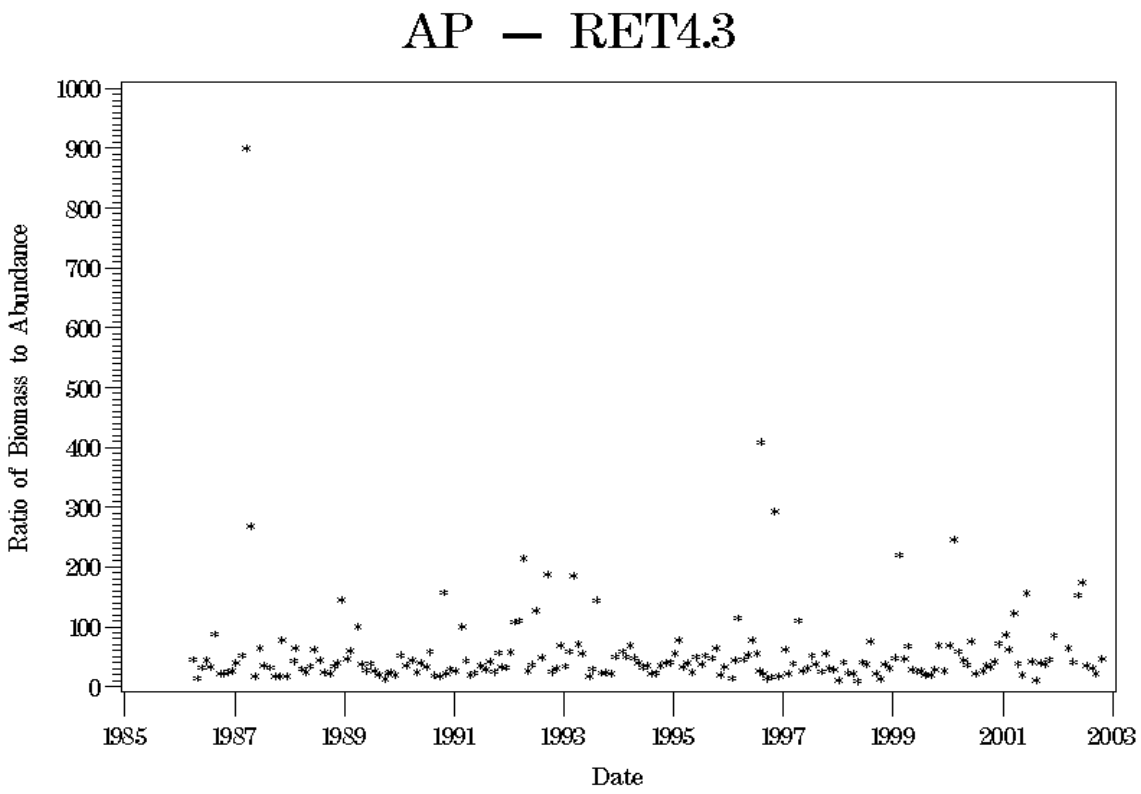

Figure F163. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station RET4.3 for the period of 1985 through 2002.

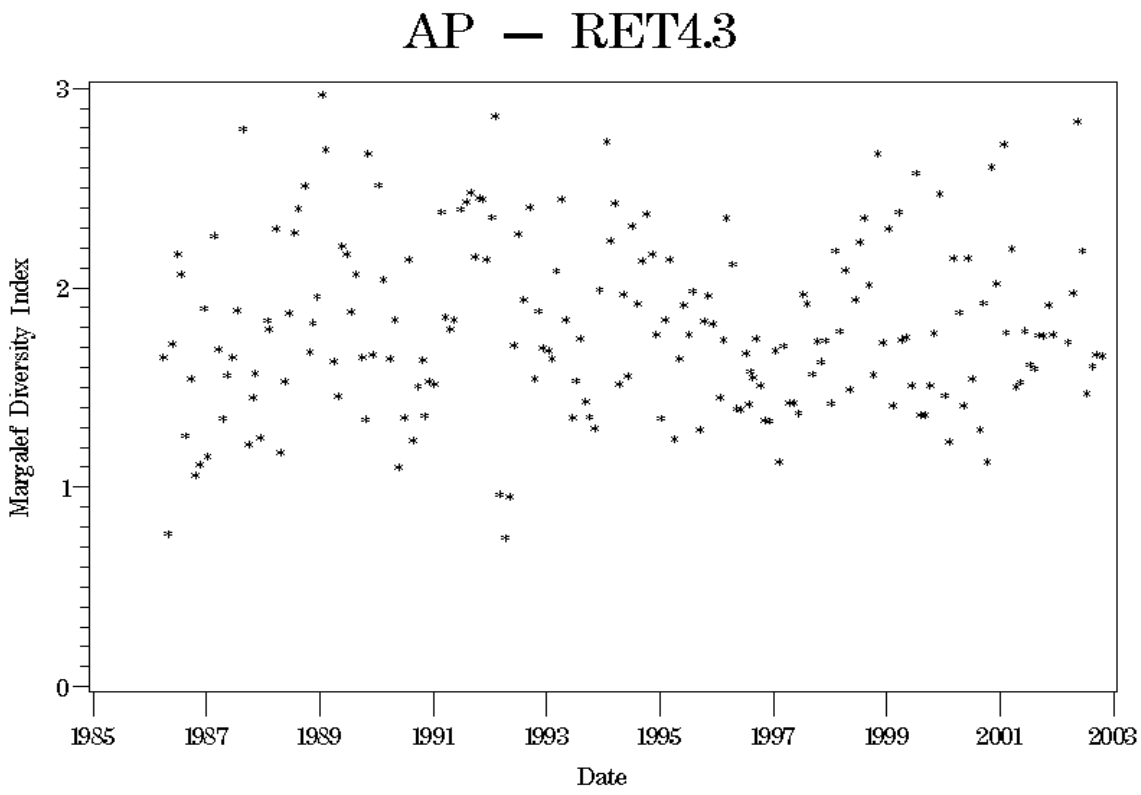

Figure F164. Plot of above pycnocline Margalef diversity index against time at station RET4.3 for the period of 1985 through 2002.

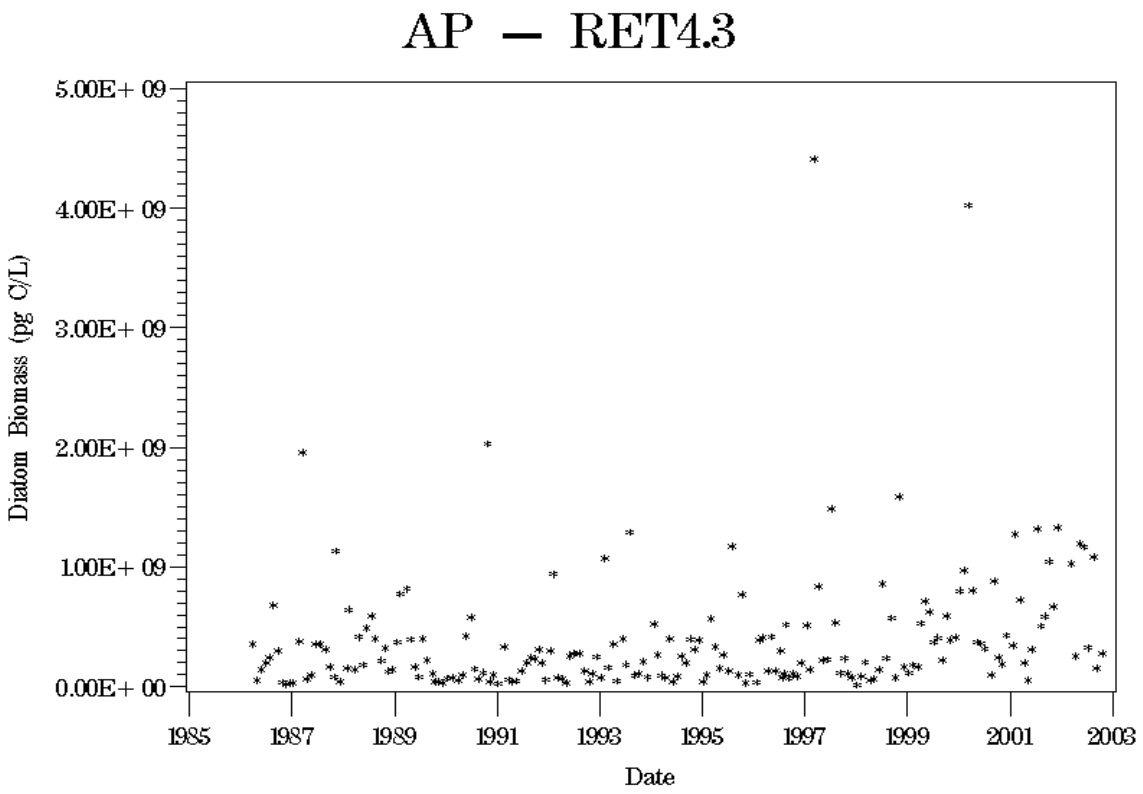

Figure F165. Plot of above pycnocline diatom biomass against time at station RET4.3 for the period of 1985 through 2002.

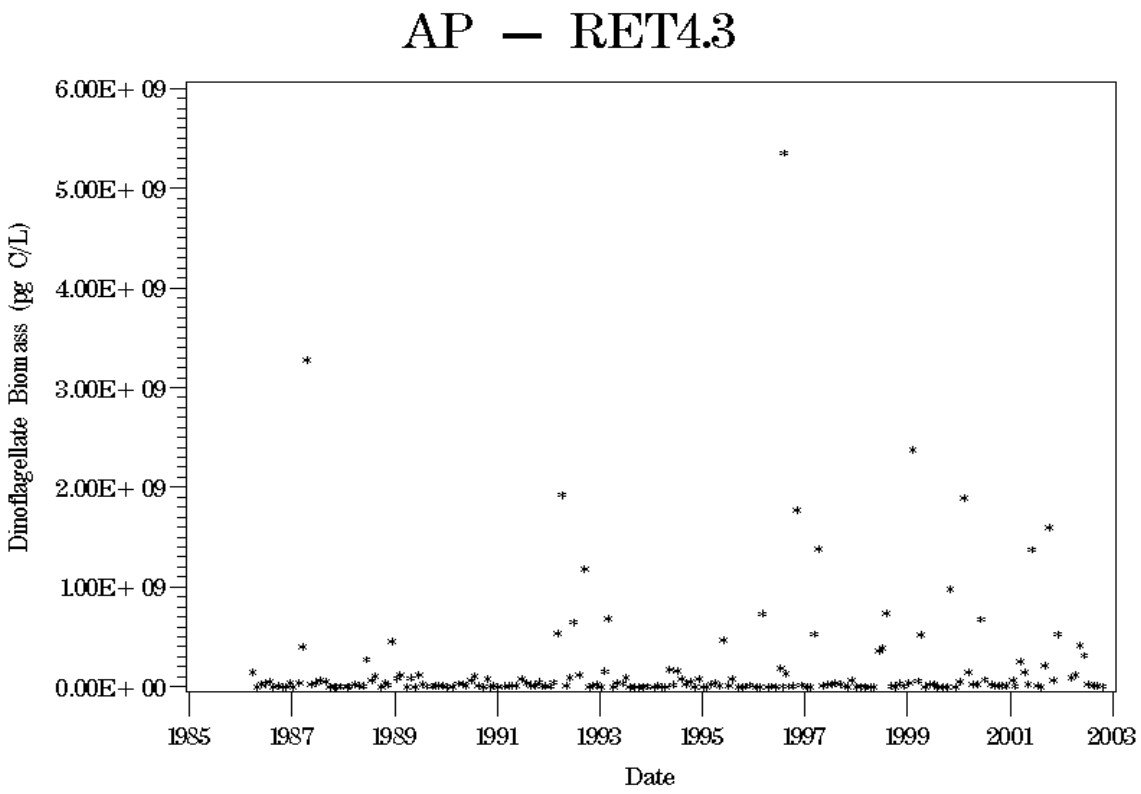

Figure F166. Plot of above pycnocline dinoflagellate biomass against time at station RET4.3 for the period of 1985 through 2002.

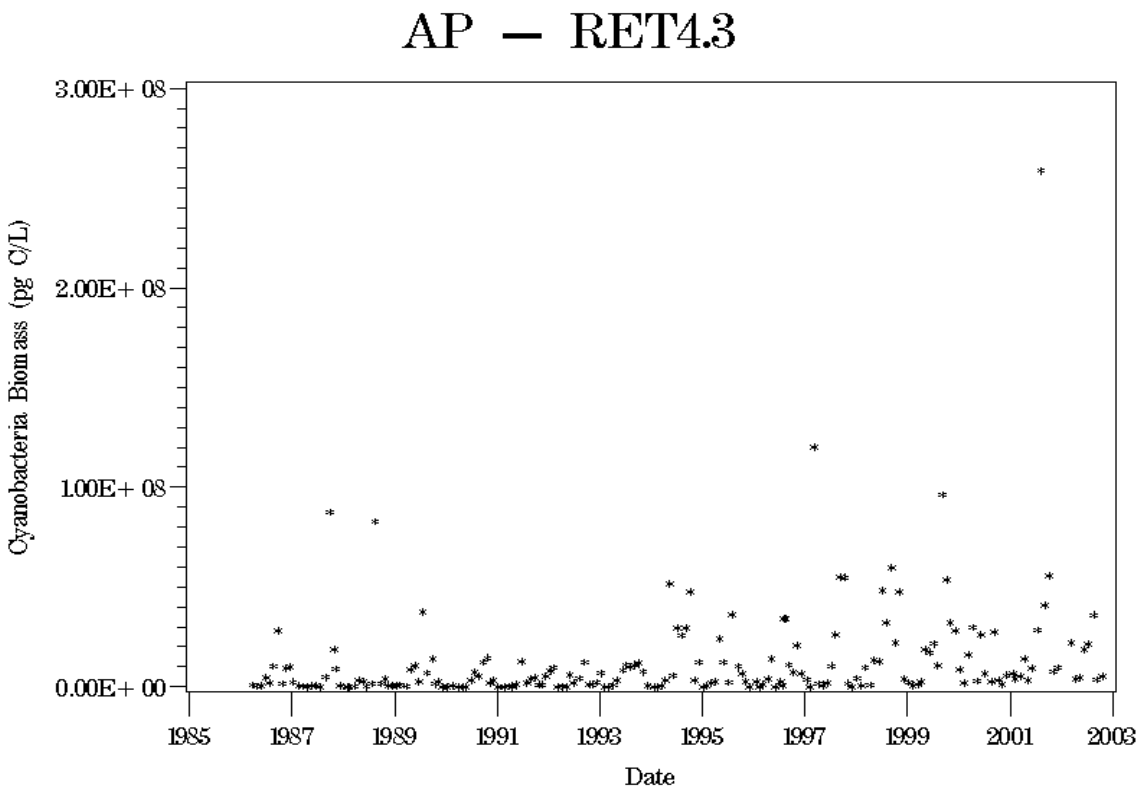

Figure F167. Plot of above pycnocline cyanobacteria biomass against time at station RET4.3 for the period of 1985 through 2002.

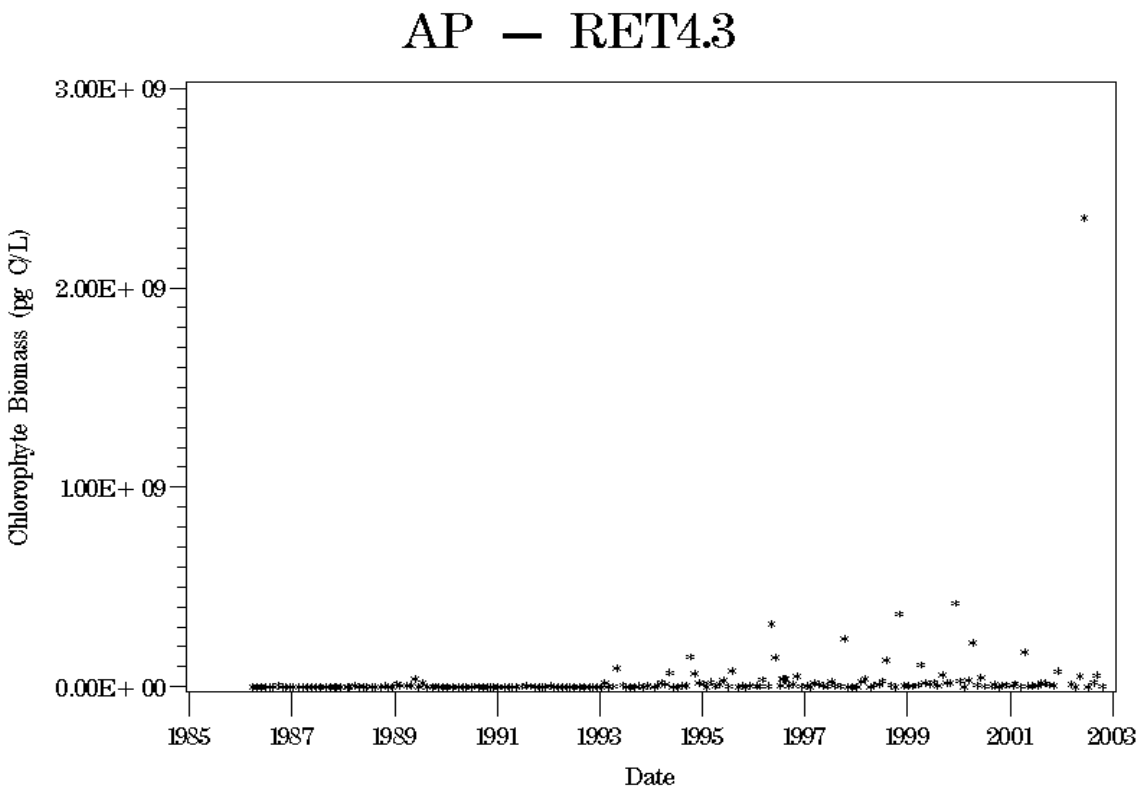

Figure F168. Plot of above pycnocline chlorophyte biomass against time at station RET4.3 for the period of 1985 through 2002.

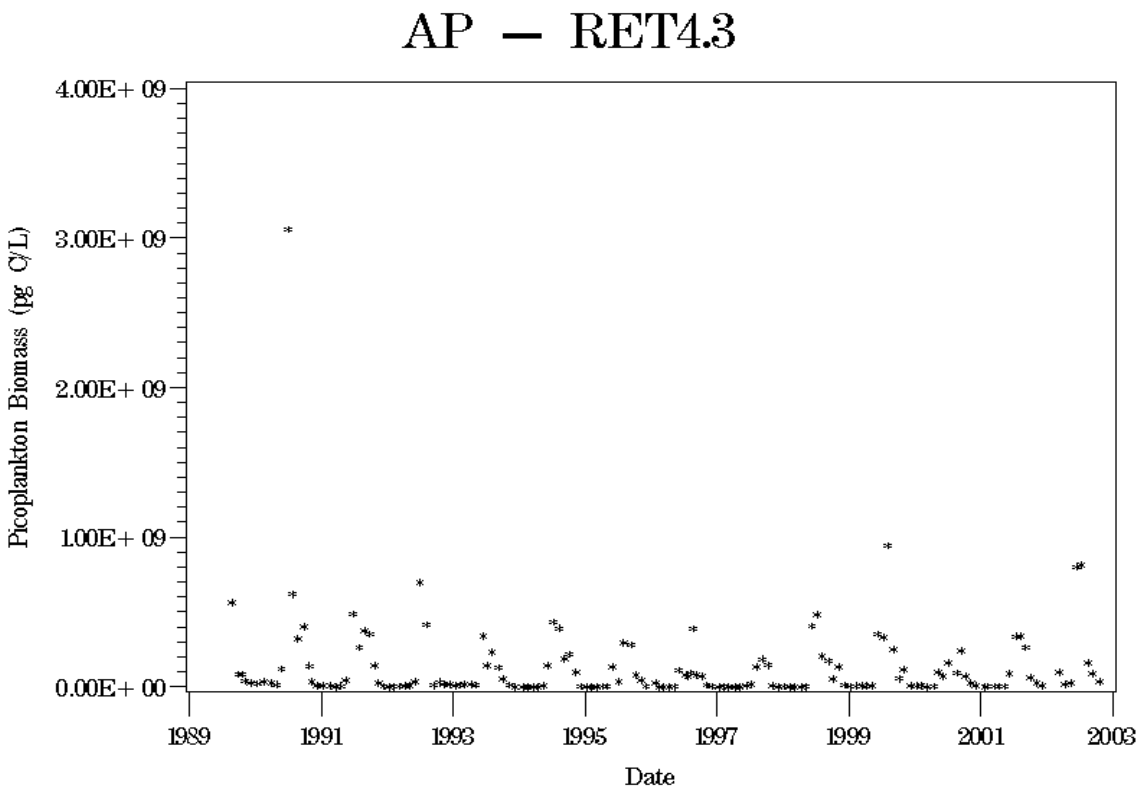

Figure F169. Plot of above pycnocline picoplankton biomass against time at station RET4.3 for the period of 1985 through 2002.

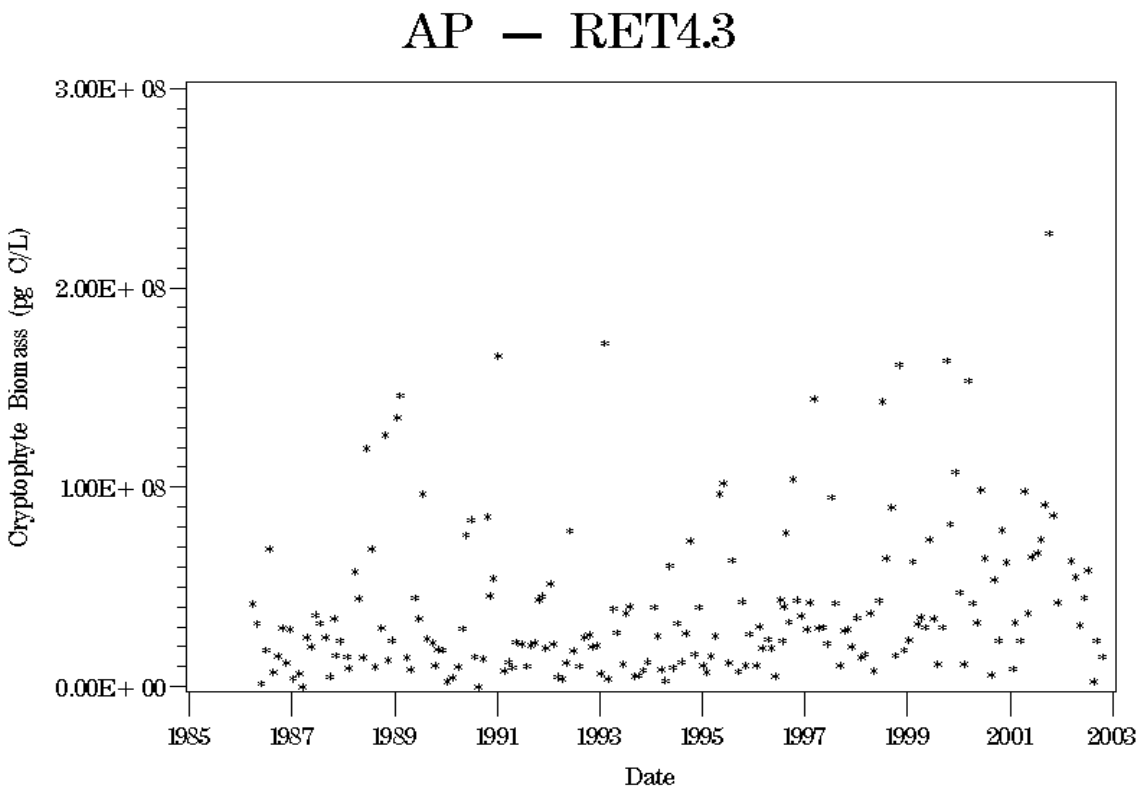

Figure Fl70. Plot of above pycnocline cryptophyte biomass at station RET4.3 for the period of 1985 through 2002.

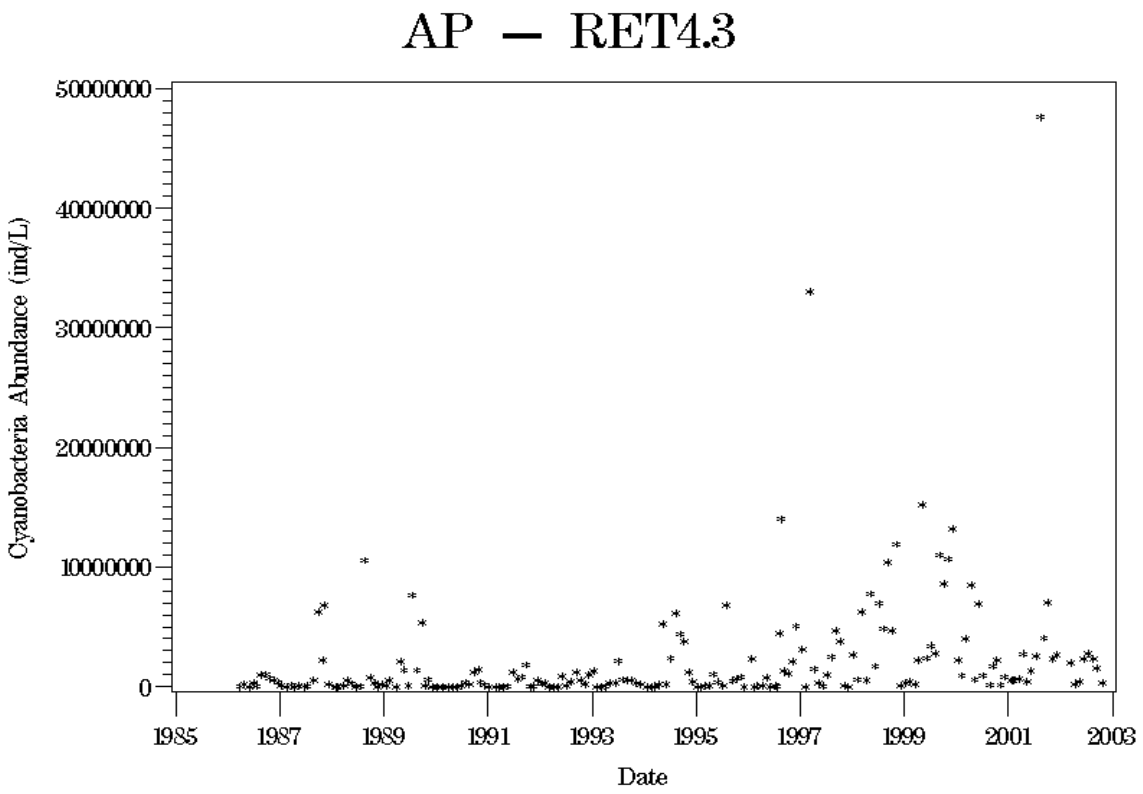

Figure Fl71. Plot of above pycnocline cyanophyte abundance at station RET4.3 for the period of 1985 through 2002.

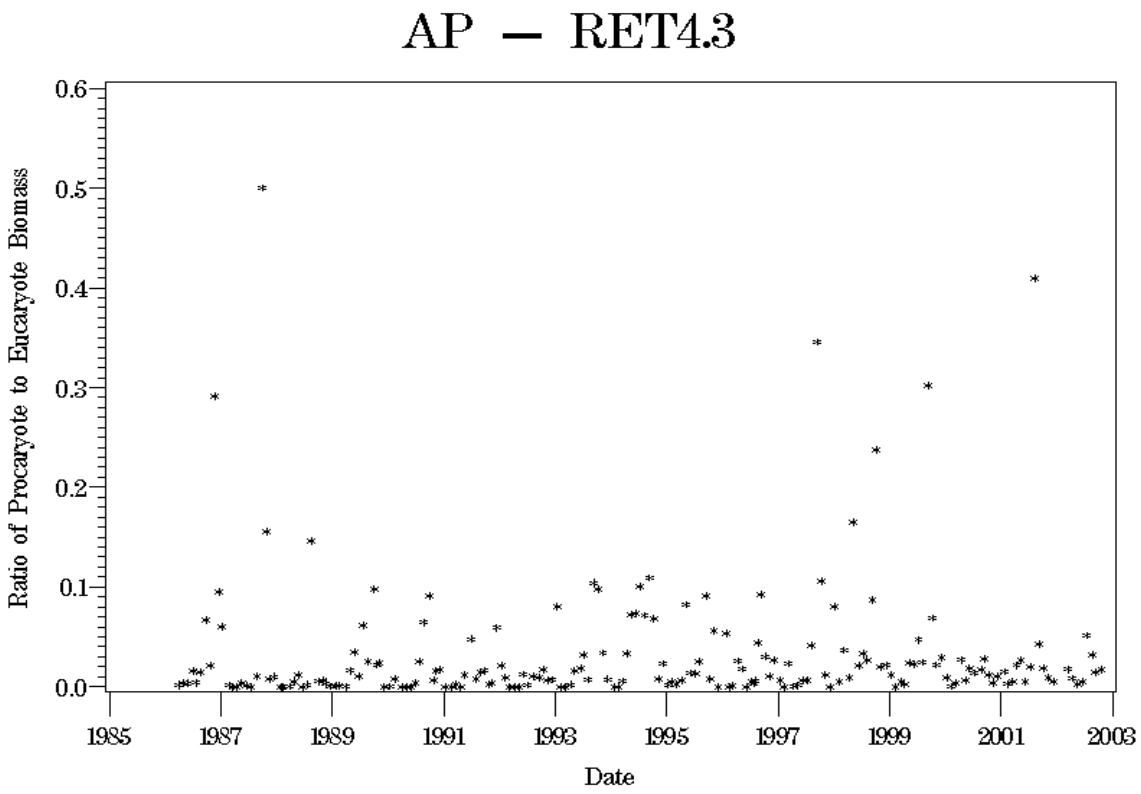

Figure Fl72. Plot of above pycnocline ratio of procaryote to eucaryote biomass at station RET4.3 for the period of 1985 through 2002.

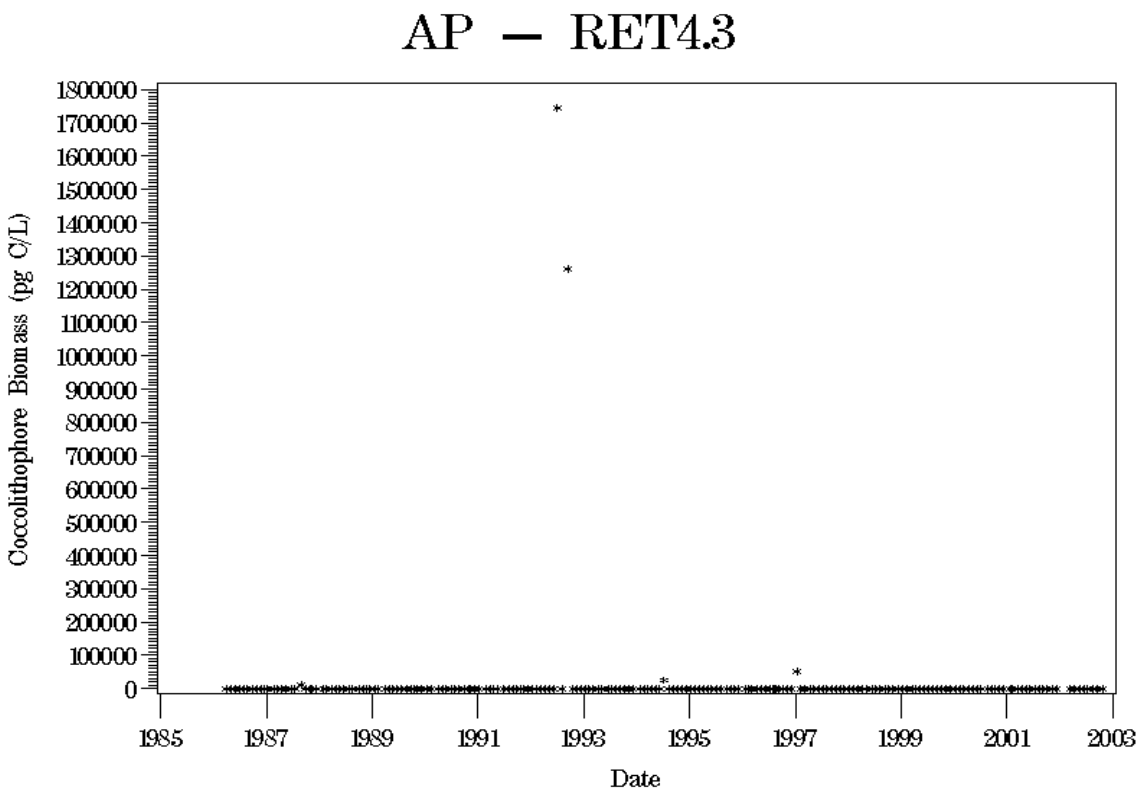

Figure Fl73. Plot of above pycnocline coccolithophore biomass at station RET4.3 for the period of 1985 through 2002.

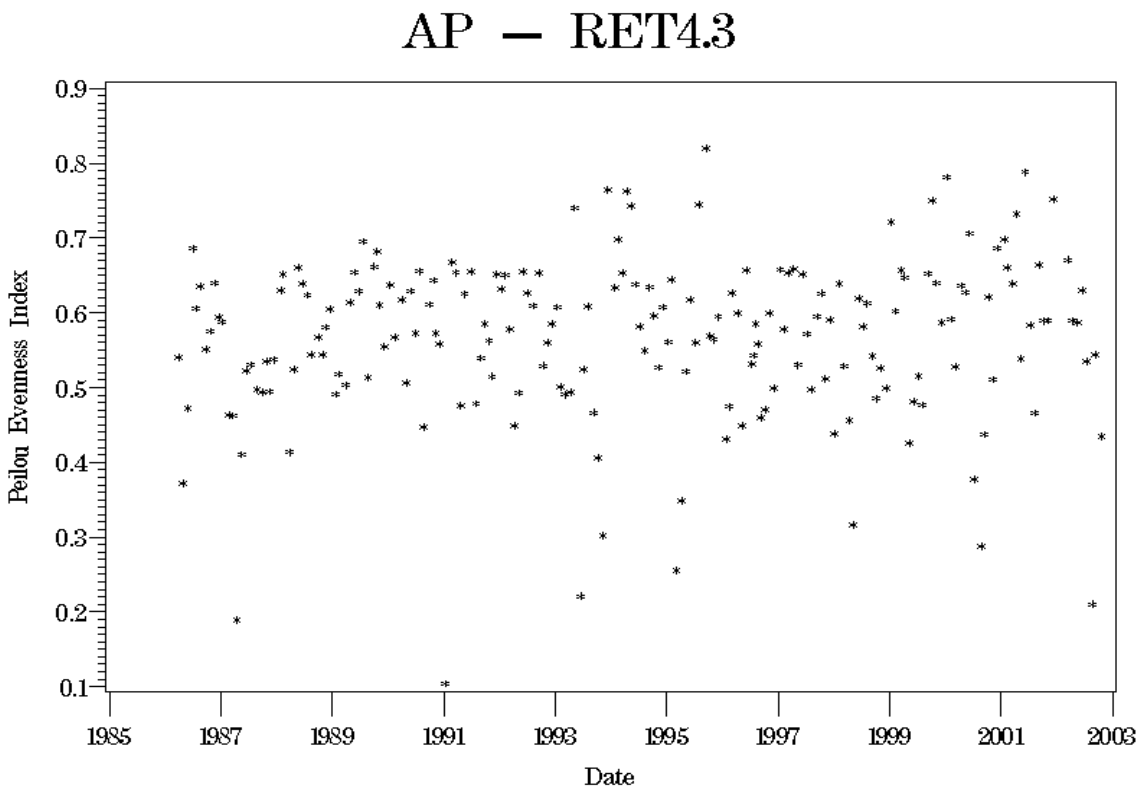

Figure Fl74. Plot of above pycnocline Pielou evenness index at station RET4.3 for the period of 1985 through 2002.

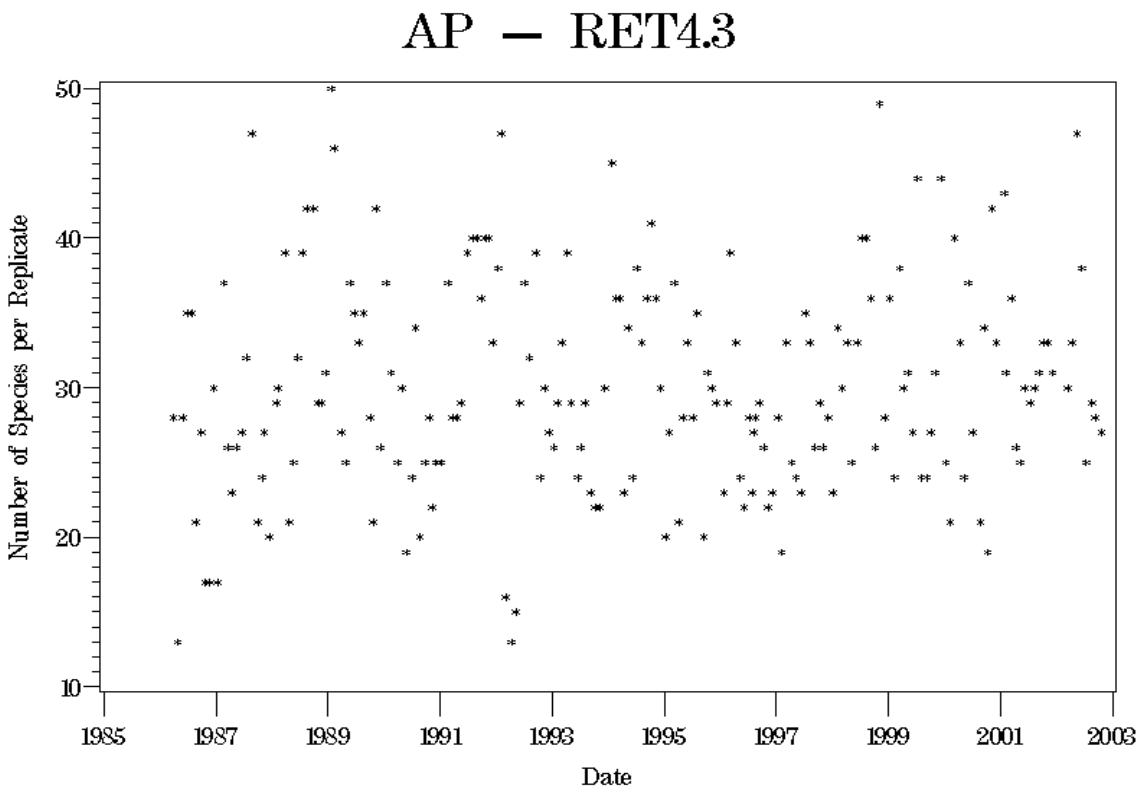

Figure Fl75. Plot of above pycnocline number of species per replicate at station RET4.3 for the period of 1985 through 2002.

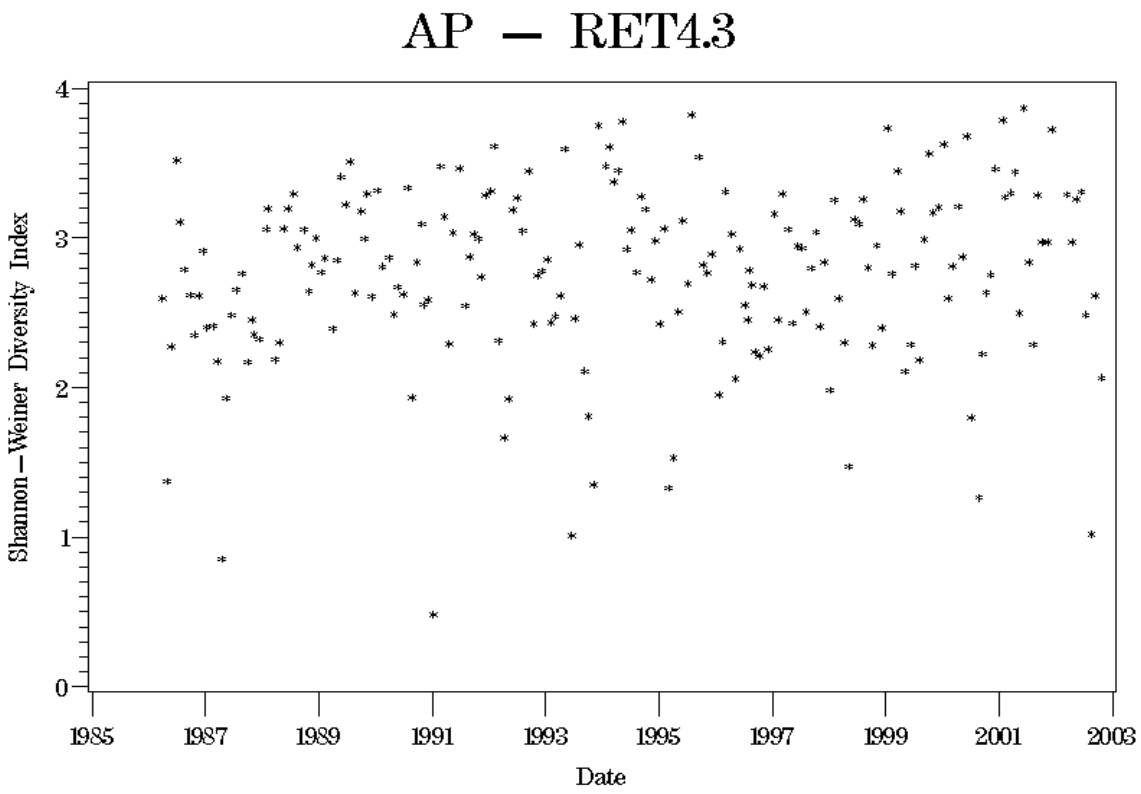

Figure Fl76. Plot of above pycnocline Shannon-Weiner Diversity index at station RET4.3 for the period of 1985 through 2002.

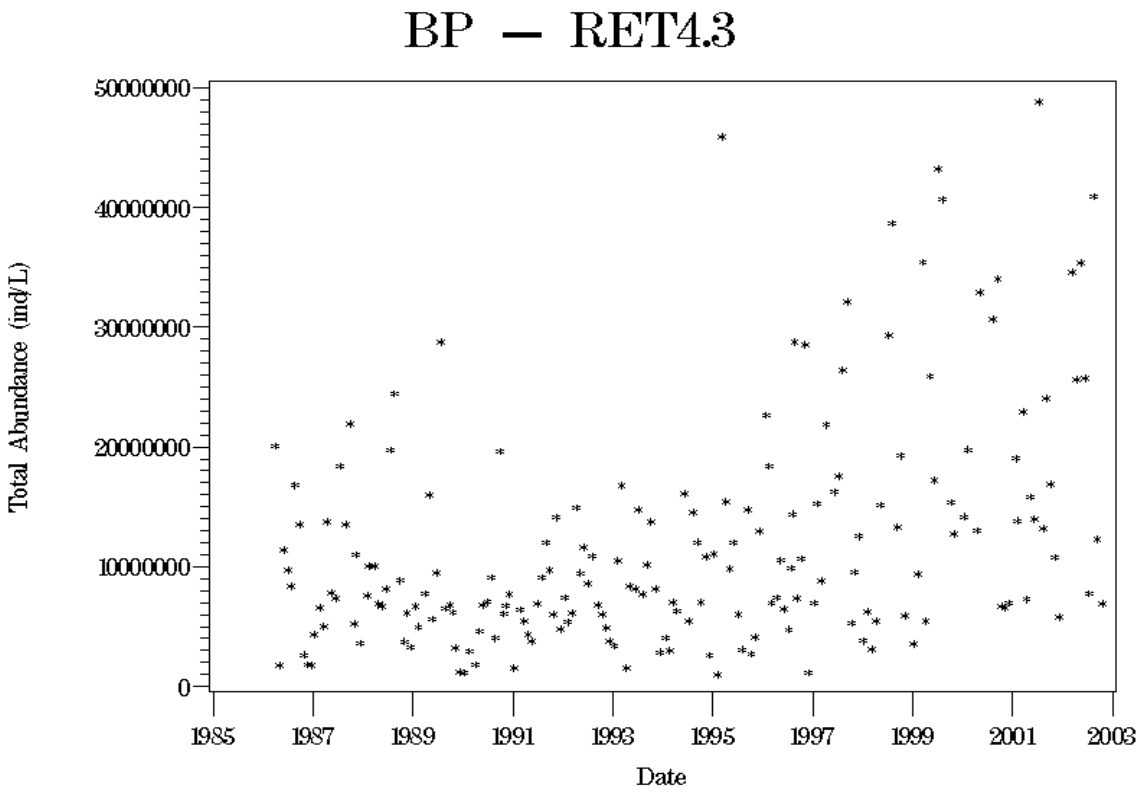

Figure F177. Plot of below pycnocline total phytoplankton abundance against time at station RET4.3 for the period of 1985 through 2002.

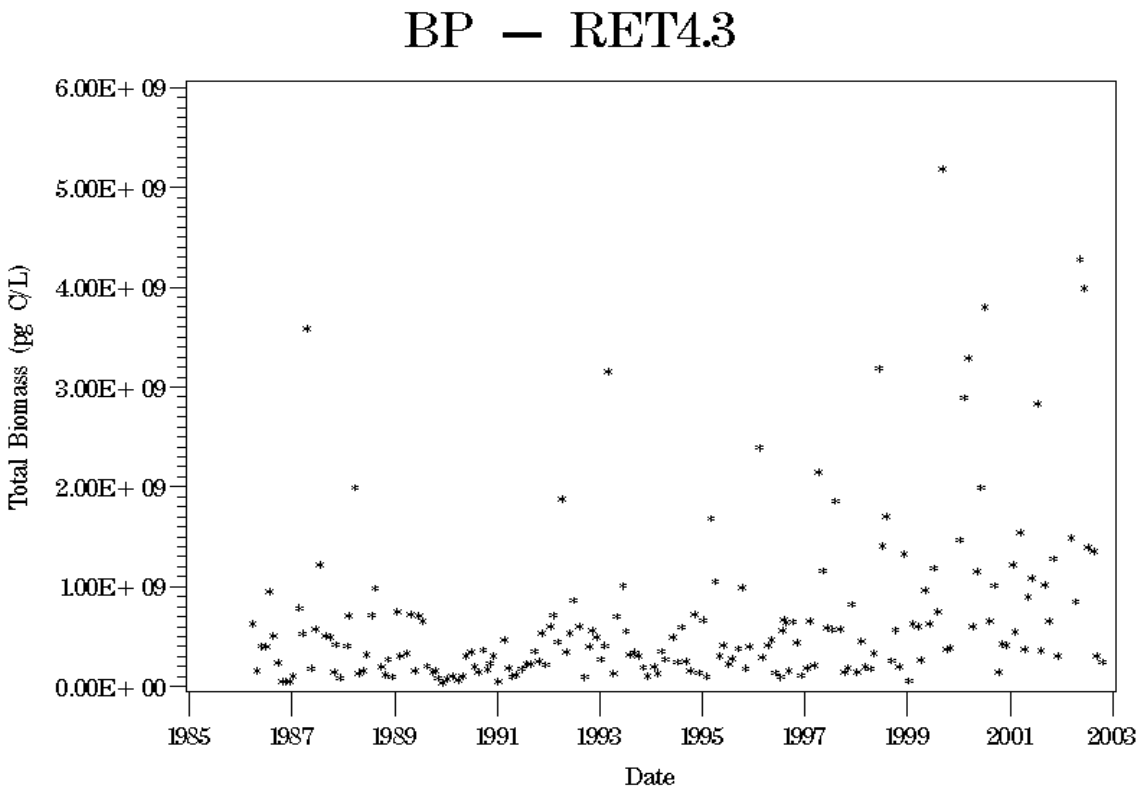

Figure F178. Plot of below pycnocline total phytoplankton biomass against time at station RET4.3 for the period of 1985 through 2002.

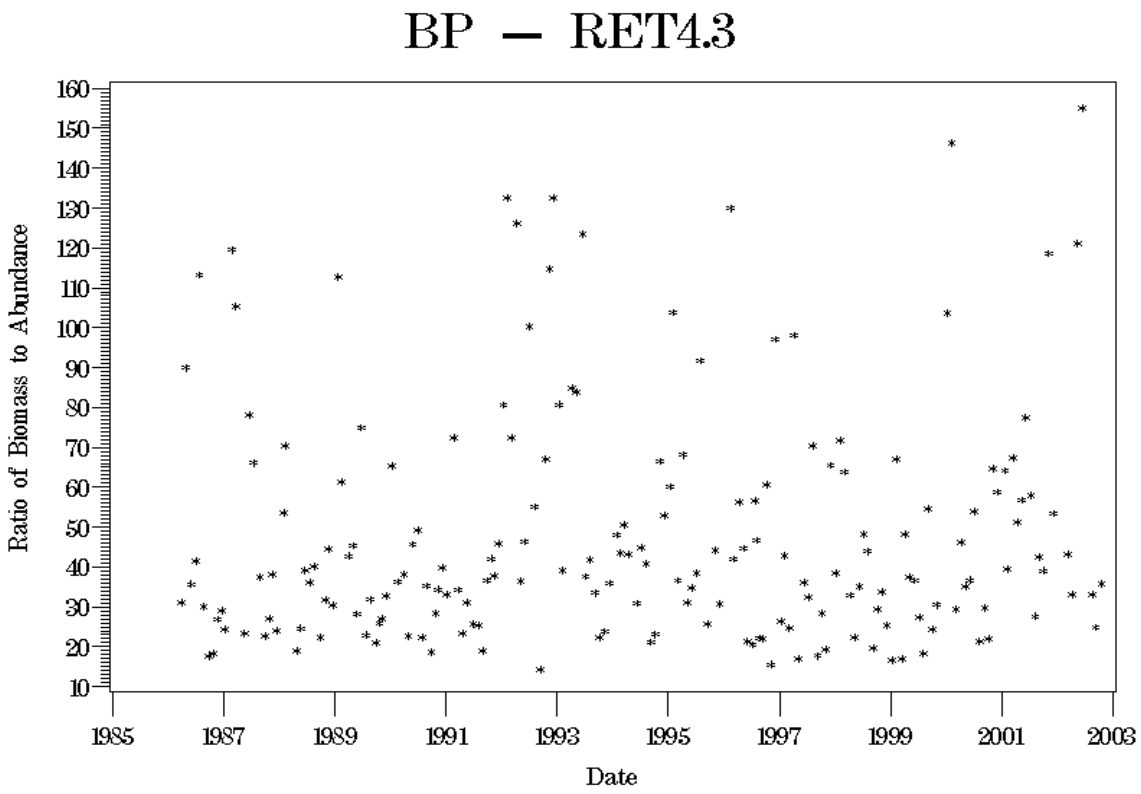

Figure F179. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station RET4.3 for the period of 1985 through 2002.

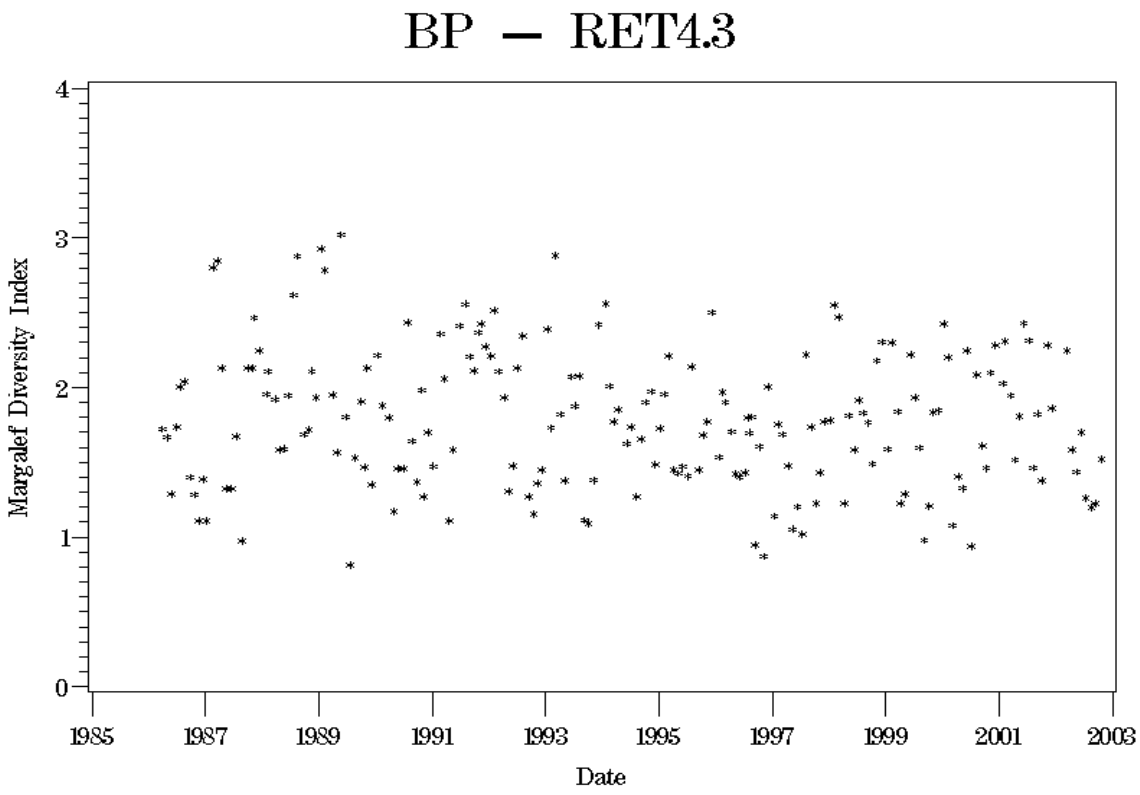

Figure F180. Plot of below pycnocline Margalef diversity index against time at station RET4.3 for the period of 1985 through 2002.

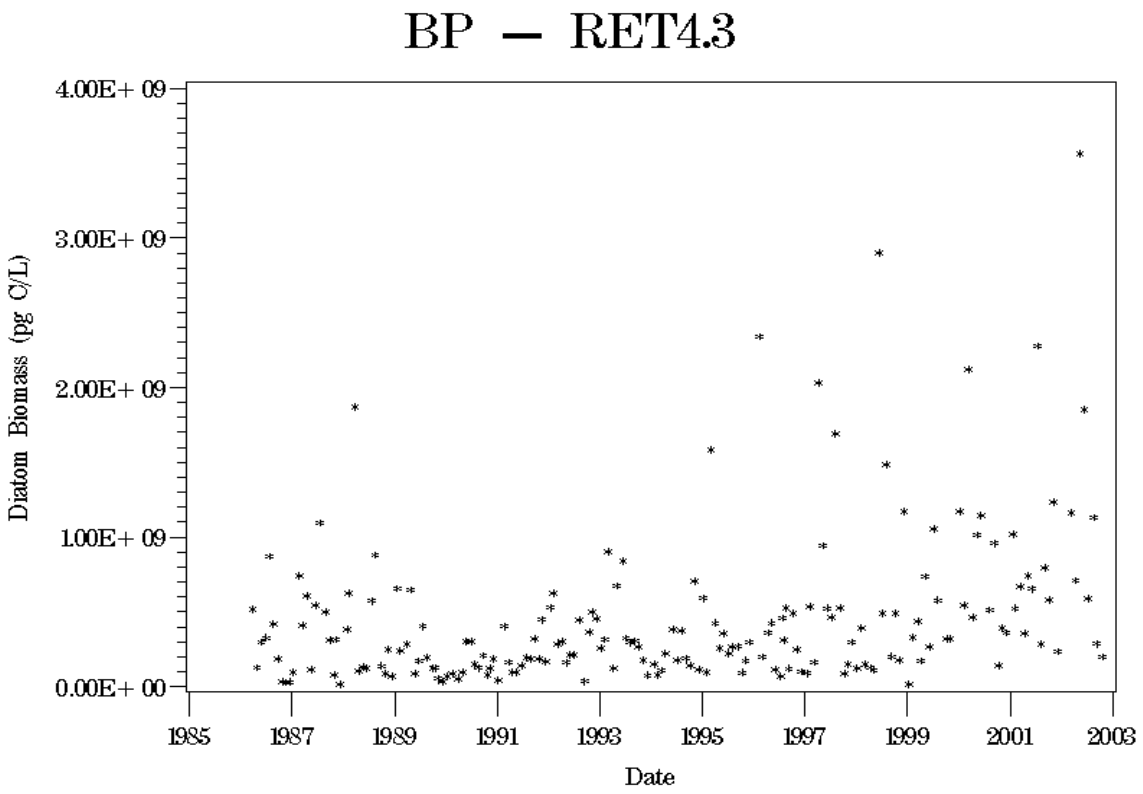

Figure F181. Plot of below pycnocline diatom biomass against time at station RET4.3 for the period of 1985 through 2002.

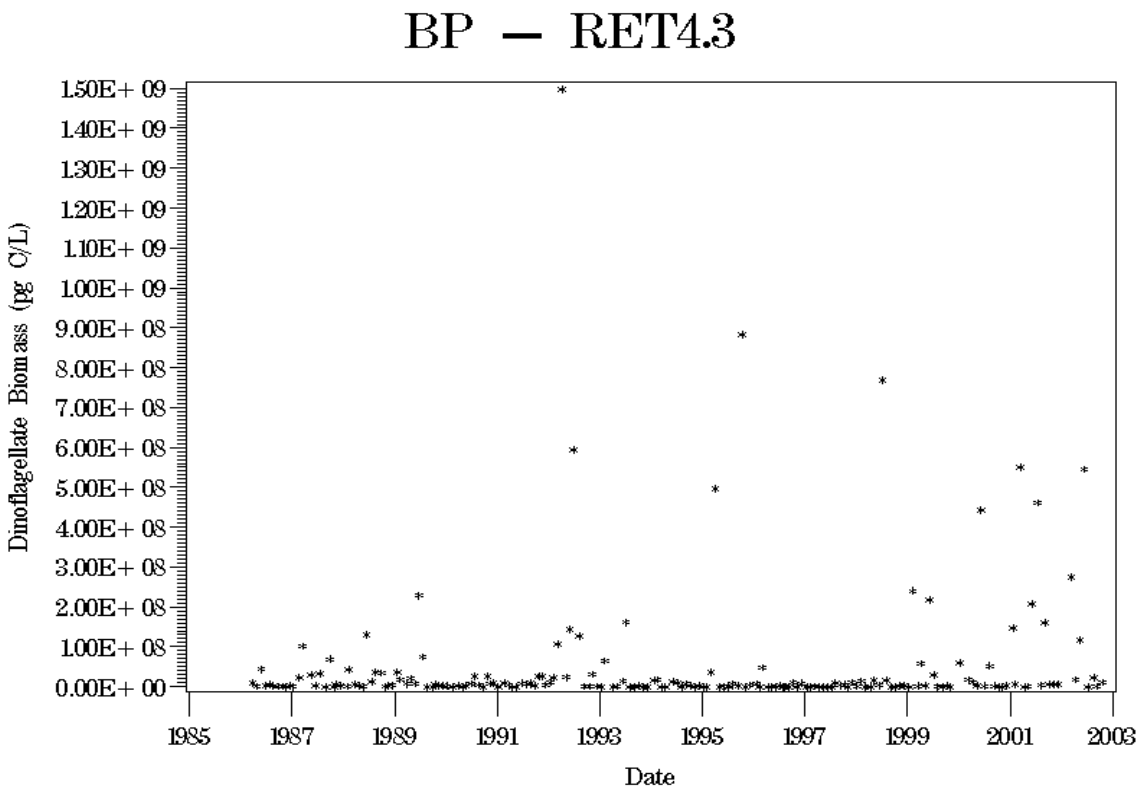

Figure F182. Plot of below pycnocline dinoflagellate biomass against time at station RET4.3 for the period of 1985 through 2002.

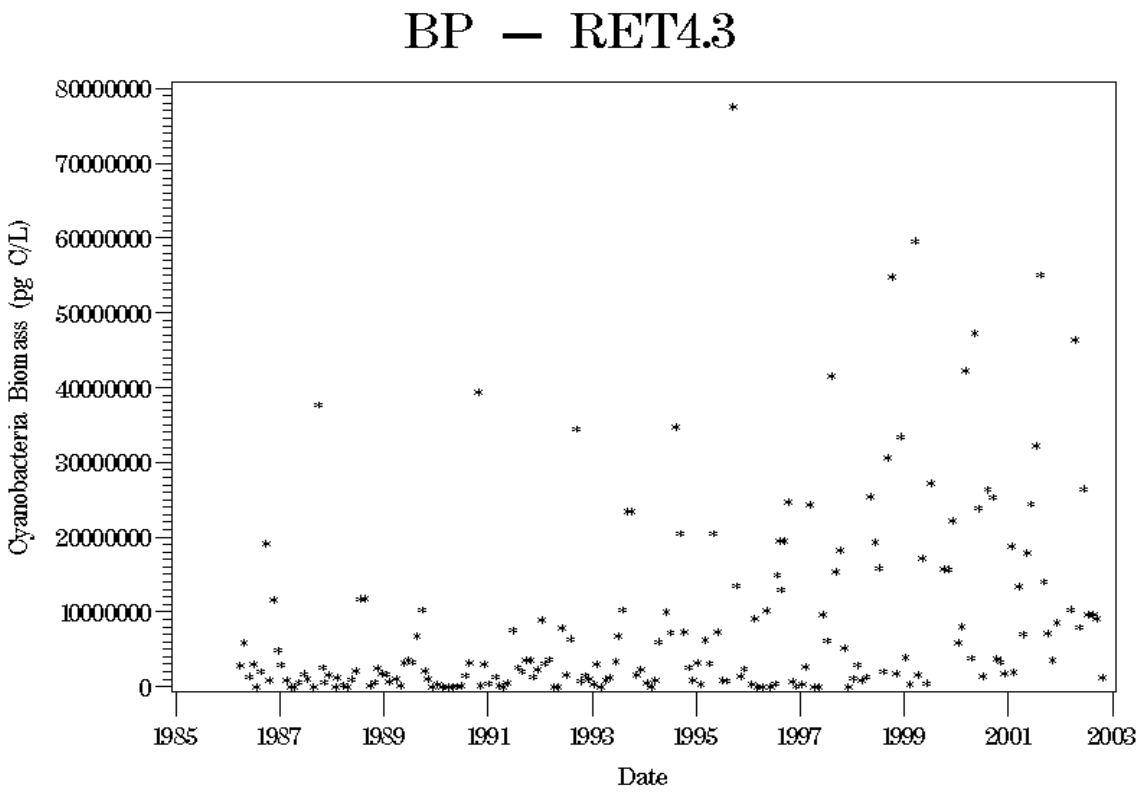

Figure F183. Plot of below pycnocline cyanobacteria biomass against time at station RET4.3 for the period of 1985 through 2002.

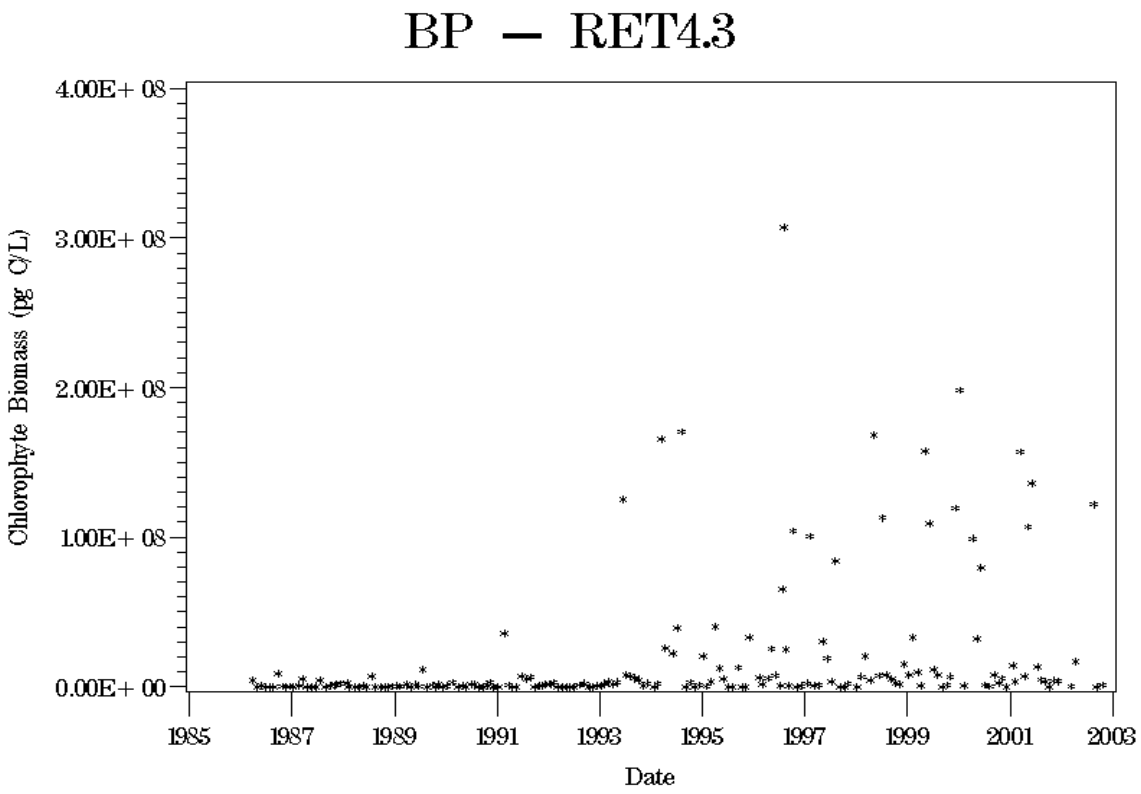

Figure F184. Plot of below pycnocline chlorophyte biomass against time at station RET4.3 for the period of 1985 through 2002.

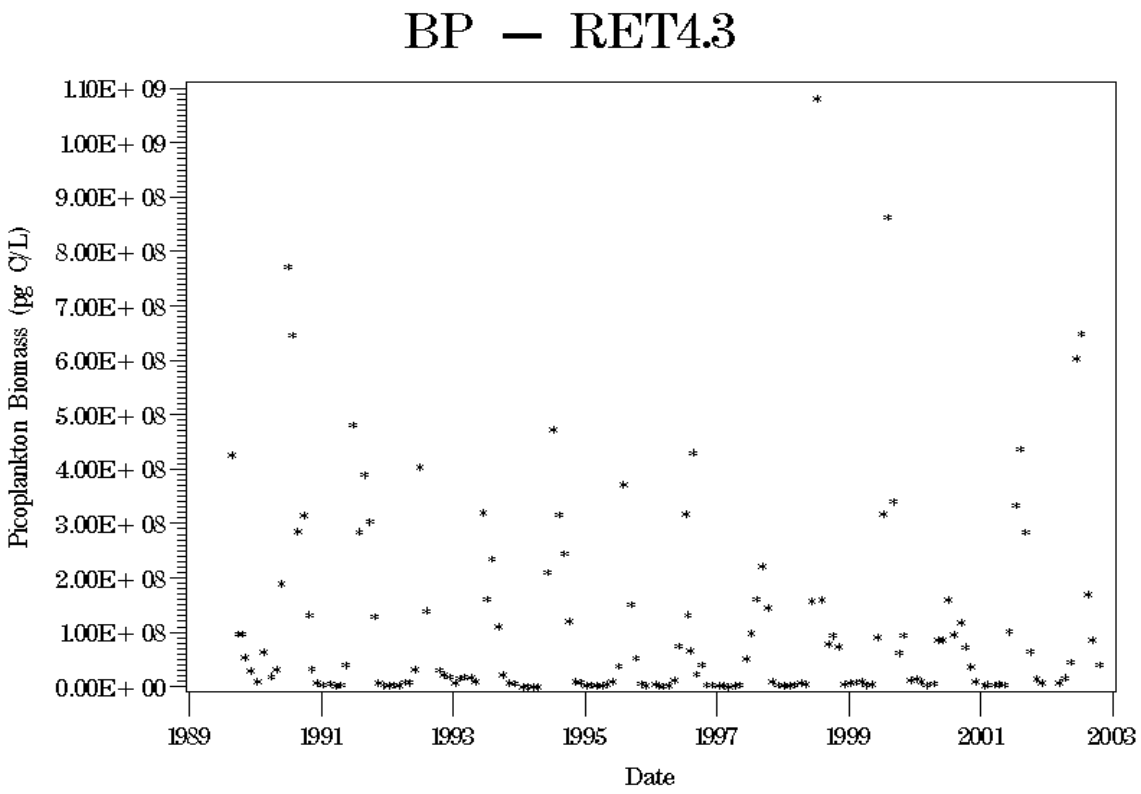

Figure F185. Plot of below pycnocline picoplankton biomass against time at station RET4.3 for the period of 1985 through 2002.

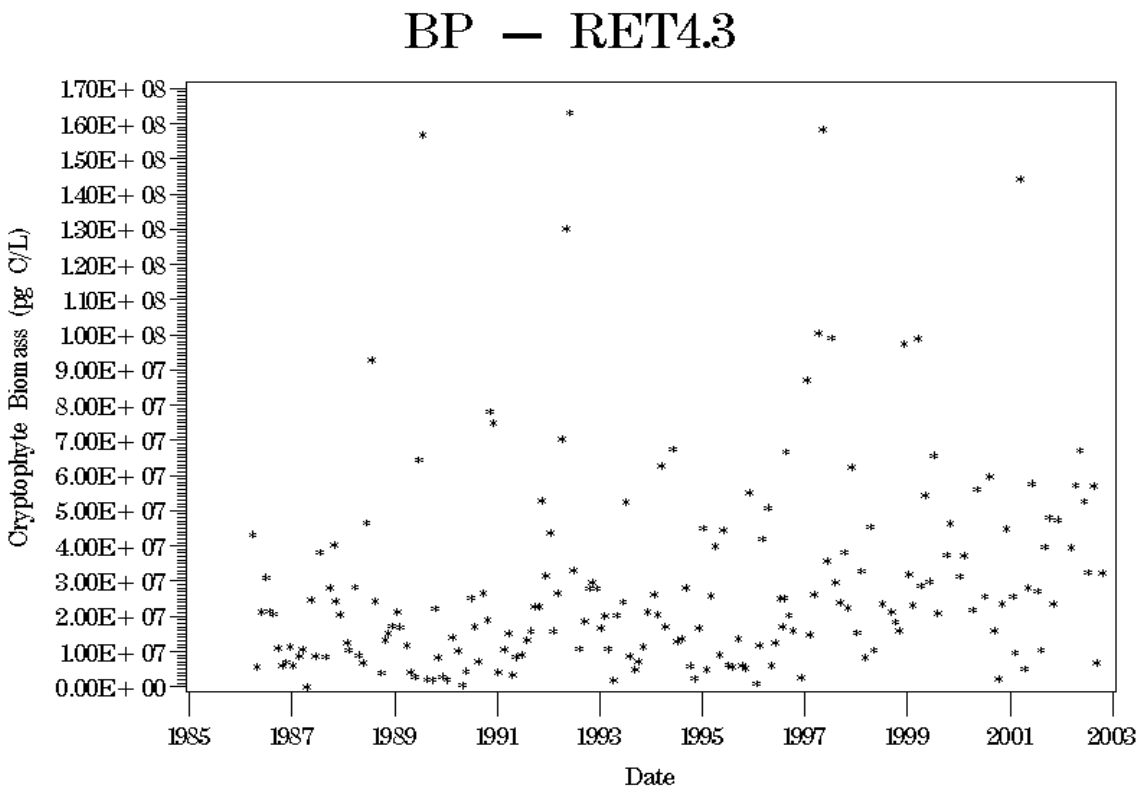

Figure Fl86. Plot of below pycnocline cryptophyte biomass at station RET4.3 for the period of 1985 through 2002.

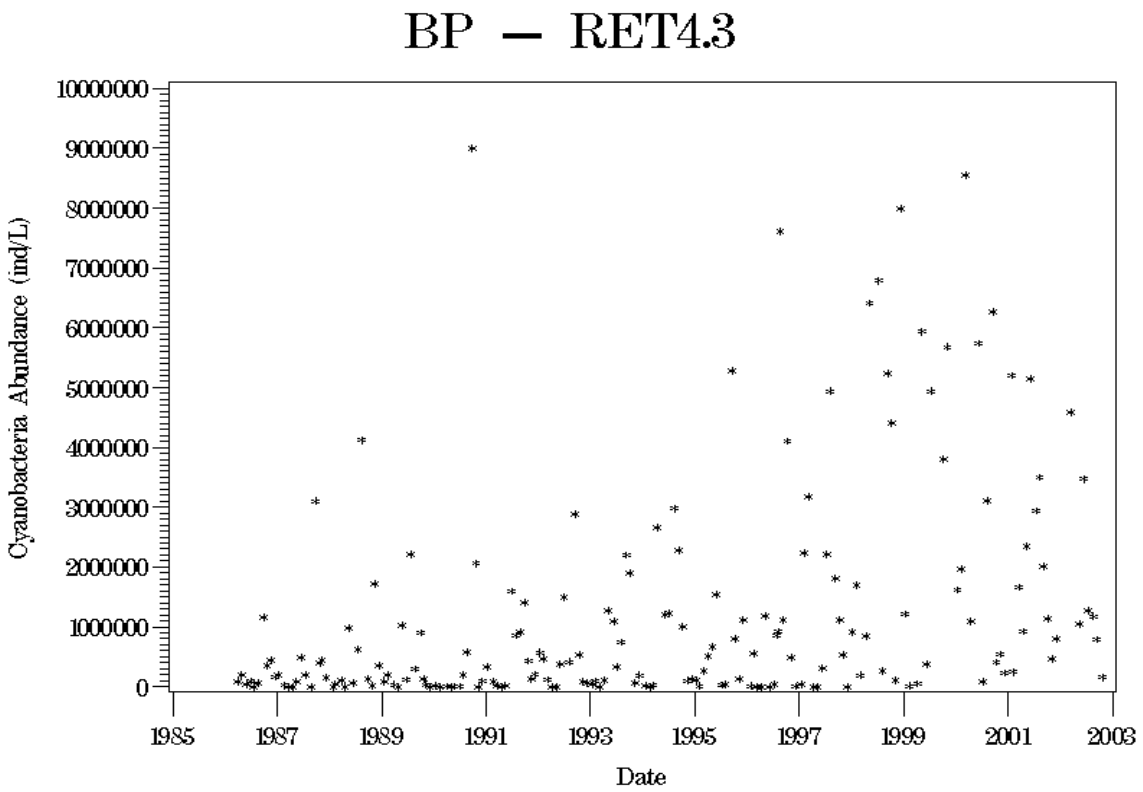

Figure Fl87. Plot of below pycnocline cyanophyte abundance at station RET4.3 for the period of 1985 through 2002.

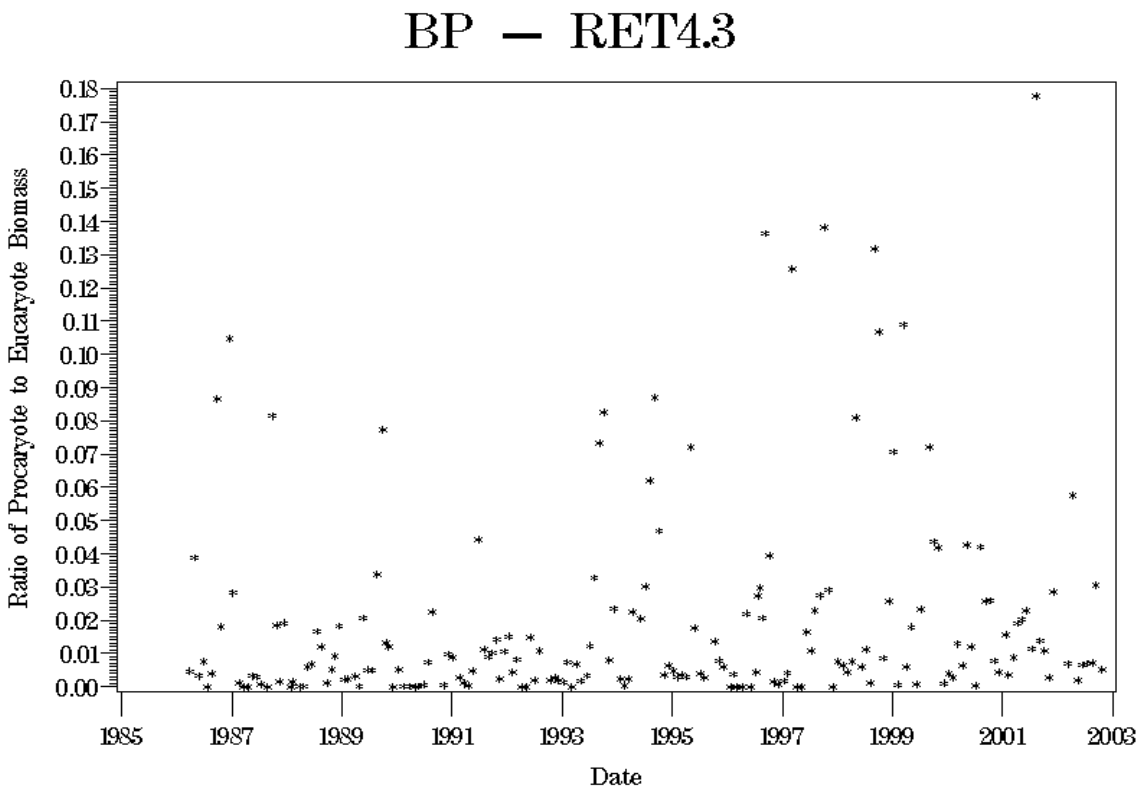

Figure Fl88. Plot of below pycnocline ratio of procaryote to eucaryote biomass at station RET4.3 for the period of 1985 through 2002.

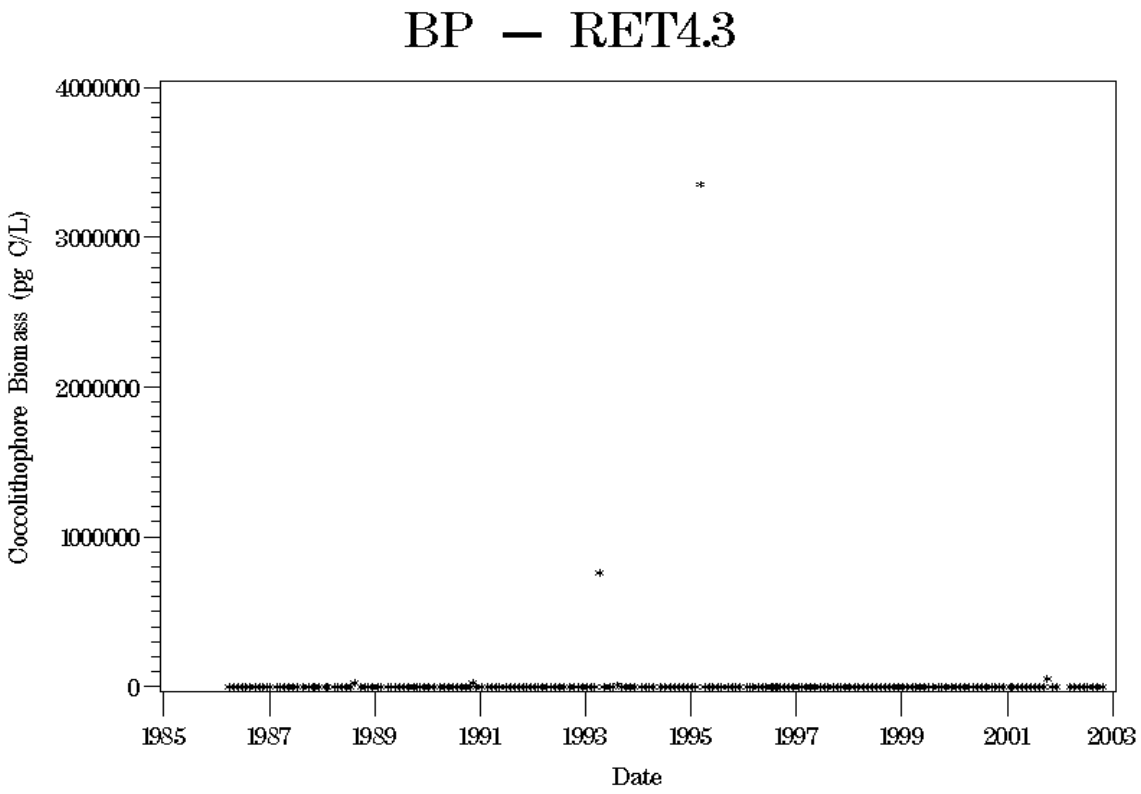

Figure Fl89. Plot of below pycnocline coccolithophore biomass at station RET4.3 for the period of 1985 through 2002.

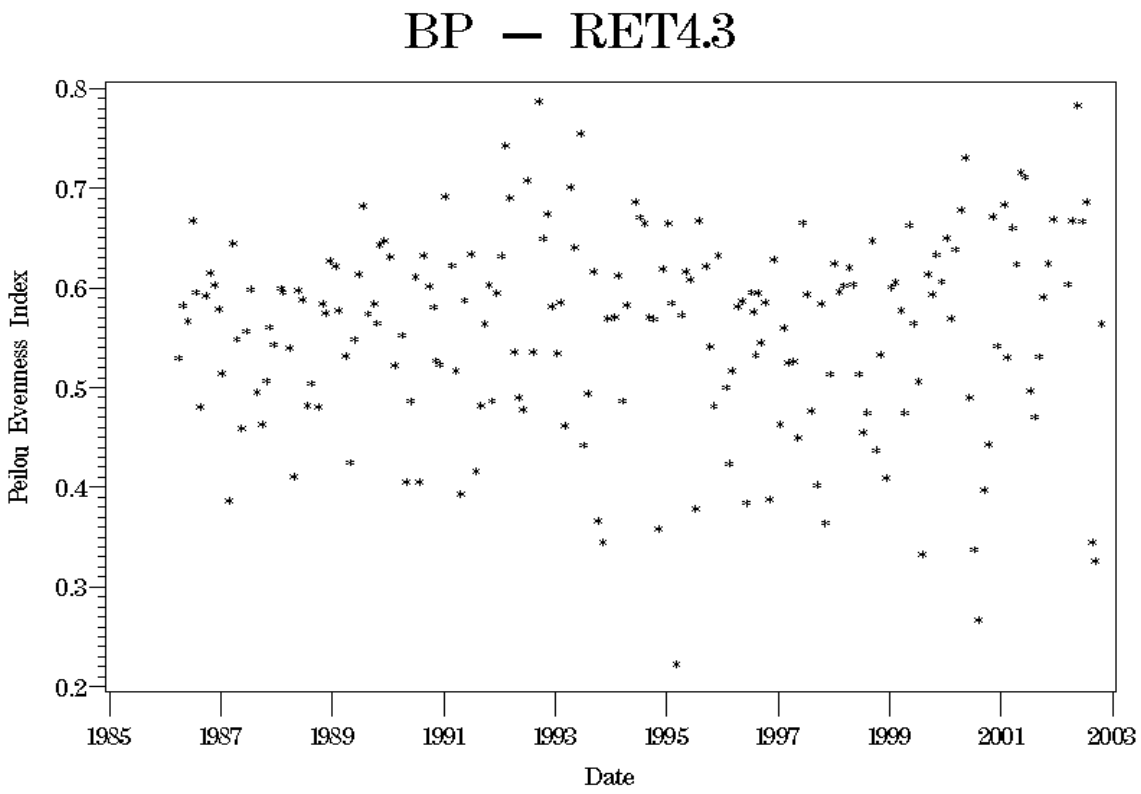

Figure Fl90. Plot of below pycnocline Pielou evenness index at station RET4.3 for the period of 1985 through 2002.

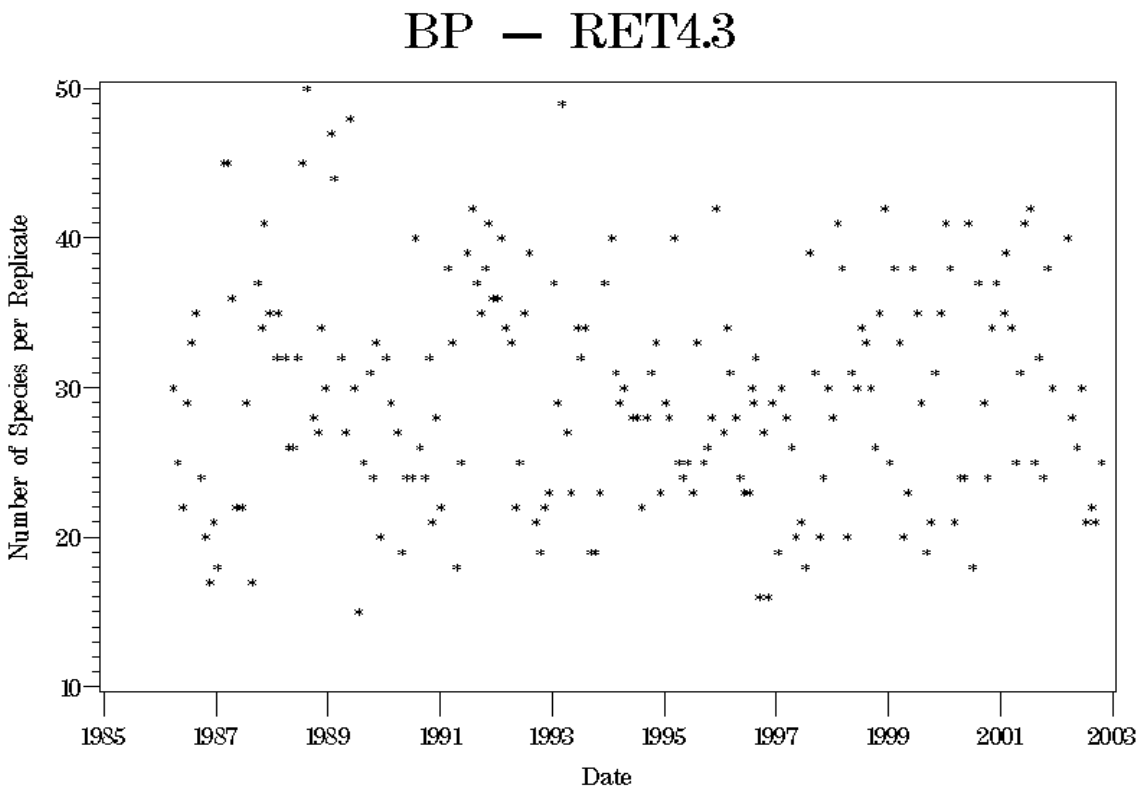

Figure Fl91. Plot of below pycnocline number of species per replicate at station RET4.3 for the period of 1985 through 2002.

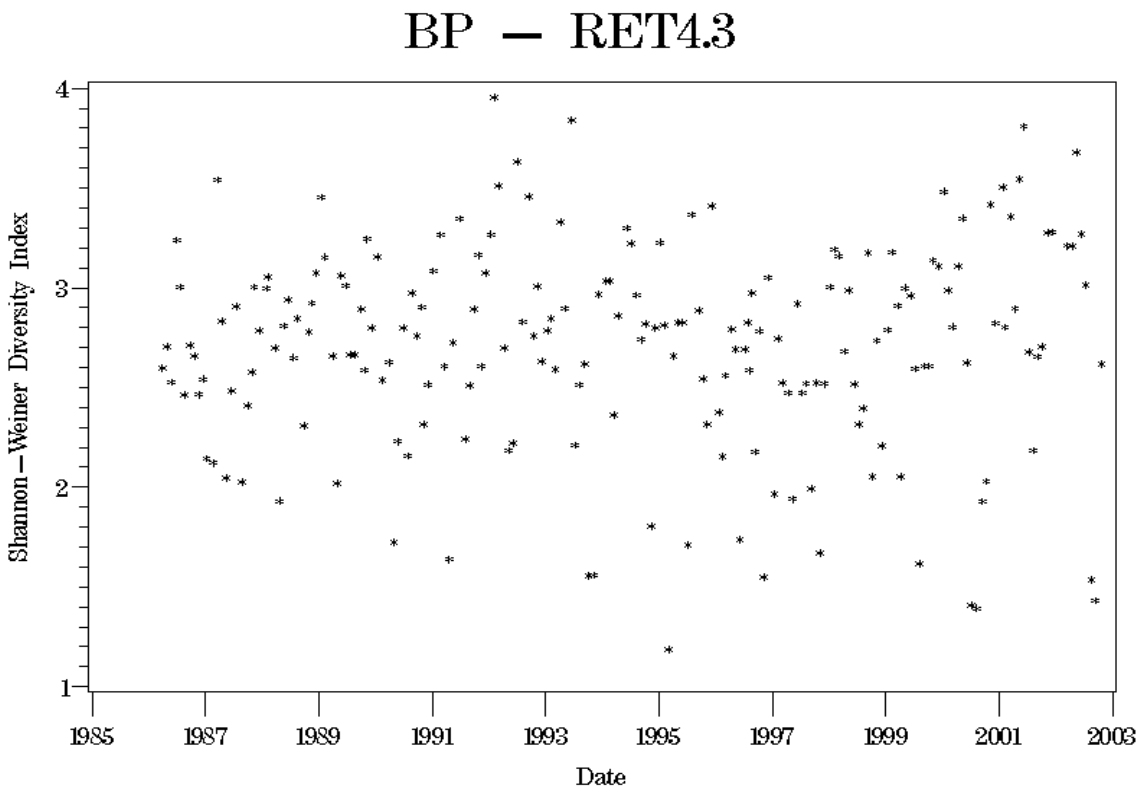

Figure Fl92. Plot of below pycnocline Shannon-Weiner Diversity index at station RET4.3 for the period of 1985 through 2002.

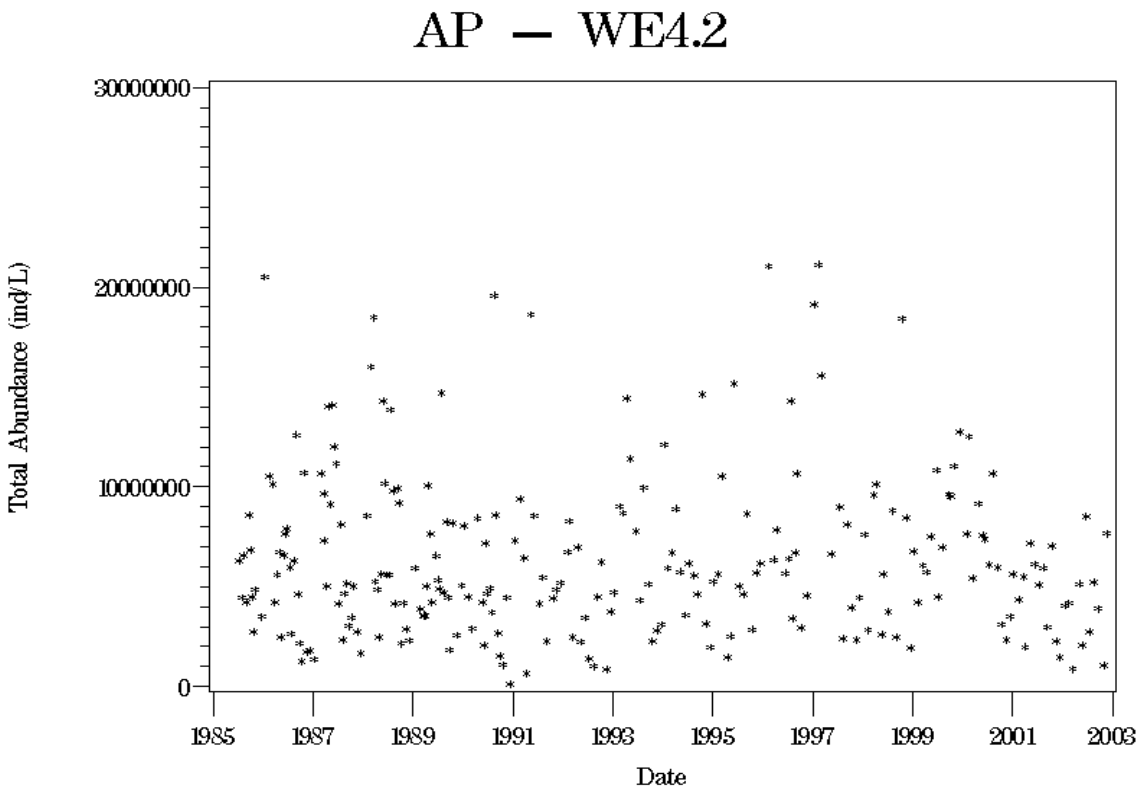

Figure F193. Plot of above pycnocline total phytoplankton abundance against time at station WE4.2 for the period of 1985 through 2002.

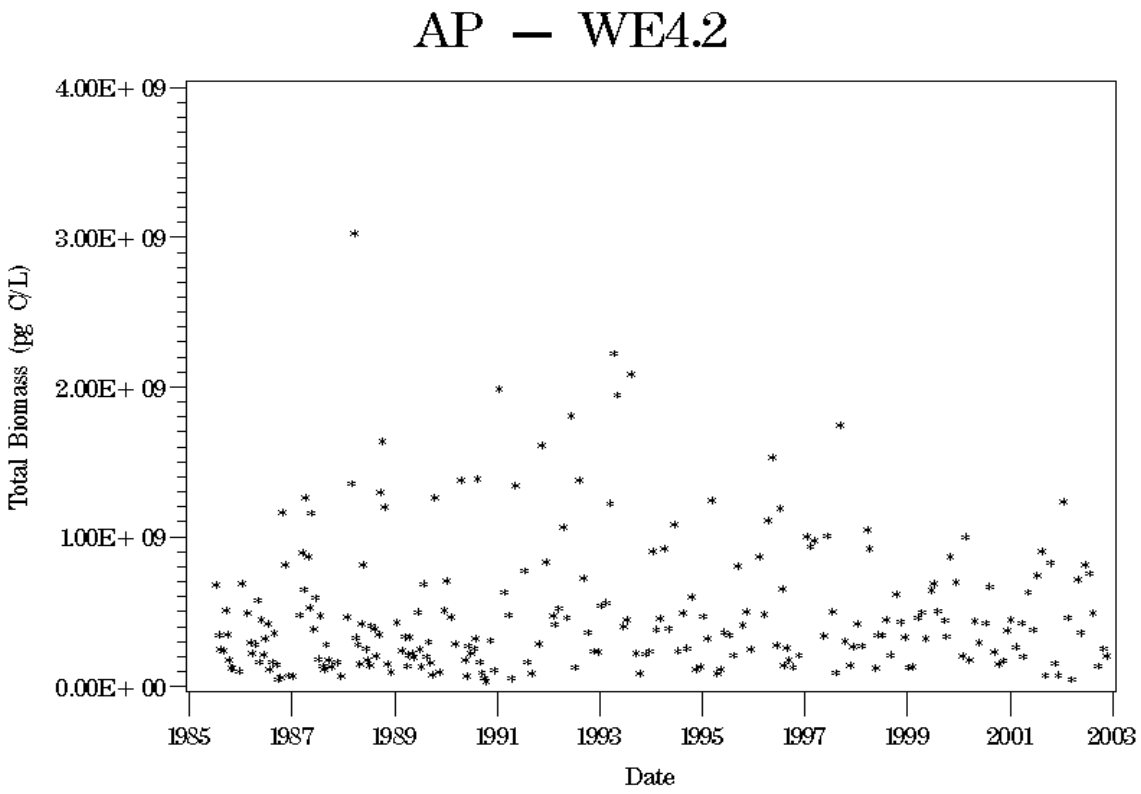

Figure F194. Plot of above pycnocline total phytoplankton biomass against time at station WE4.2 for the period of 1985 through 2002.

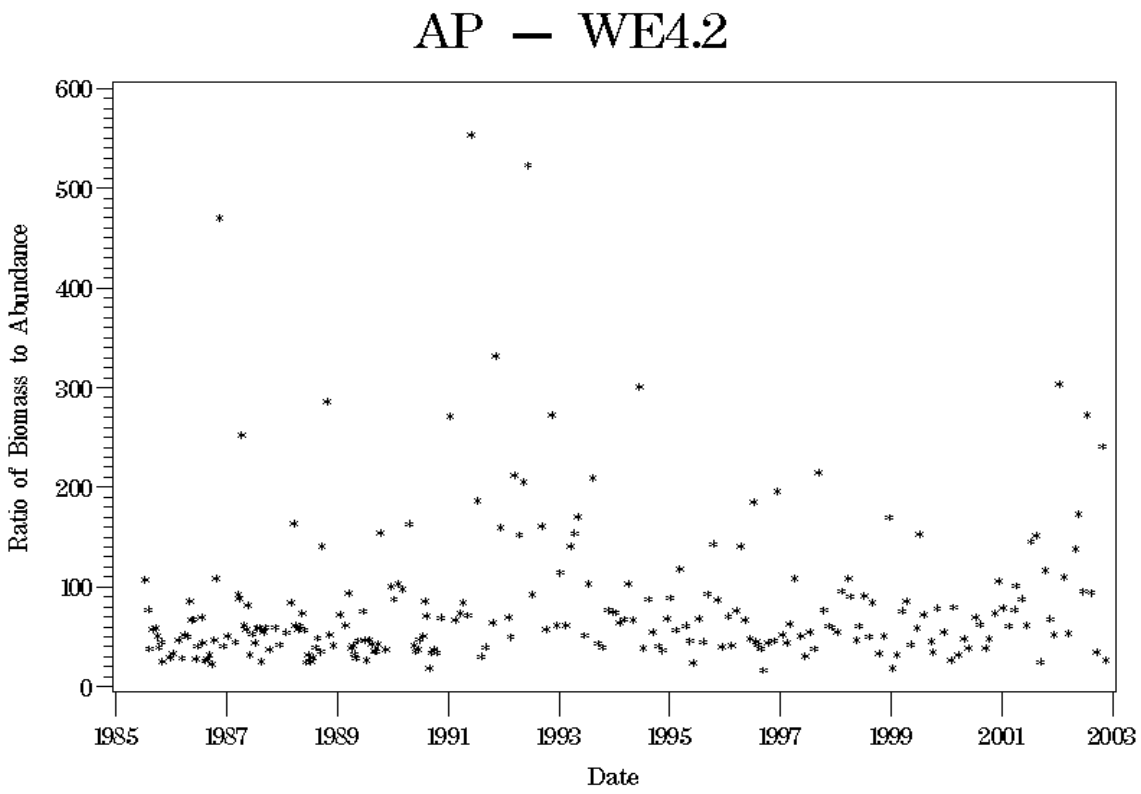

Figure F195. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station WE4.2 for the period of 1985 through 2002.

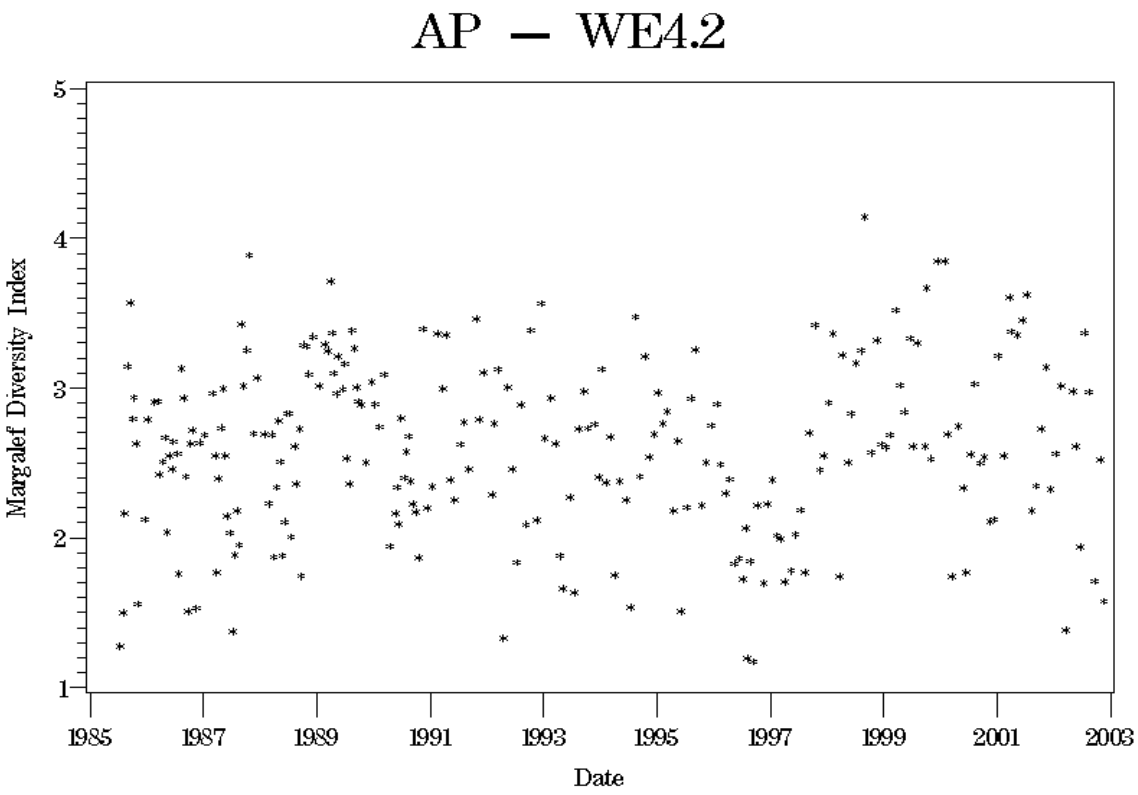

Figure F196. Plot of above pycnocline Margalef diversity index against time at station WE4.2 for the period of 1985 through 2002.

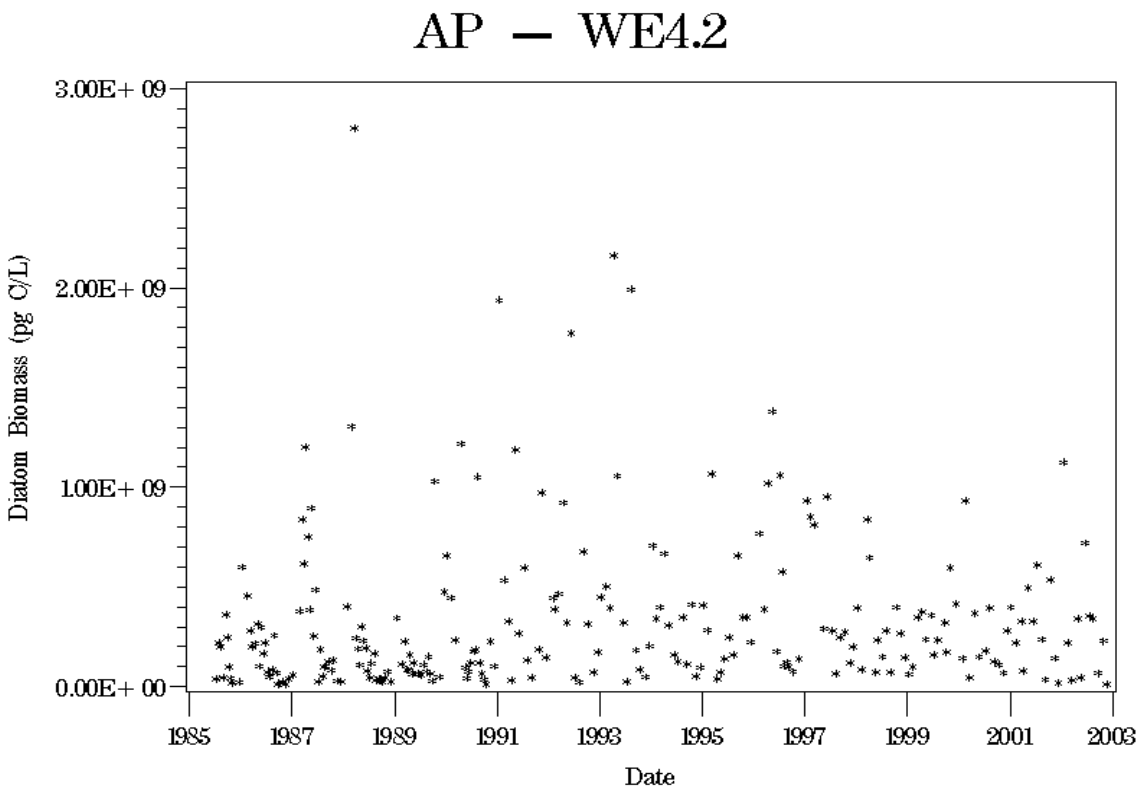

Figure F197. Plot of above pycnocline diatom biomass against time at station WE4.2 for the period of 1985 through 2002.

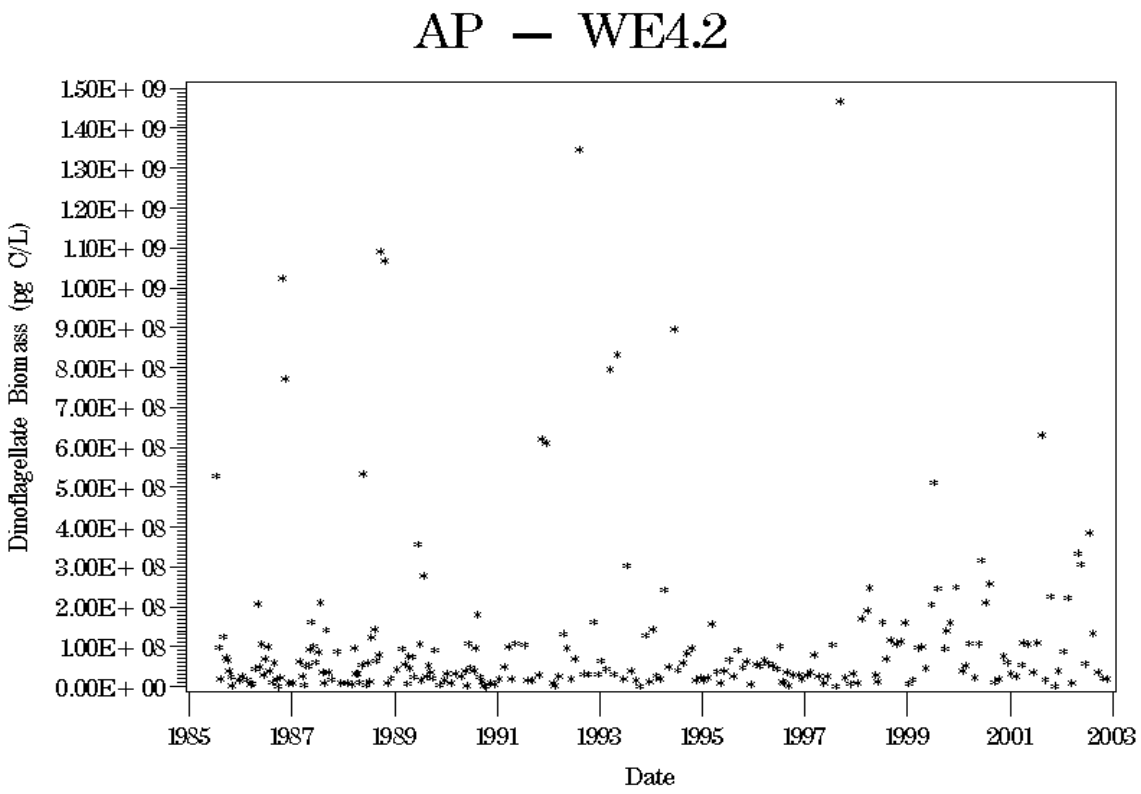

Figure F198. Plot of above pycnocline dinoflagellate biomass against time at station WE4.2 for the period of 1985 through 2002.

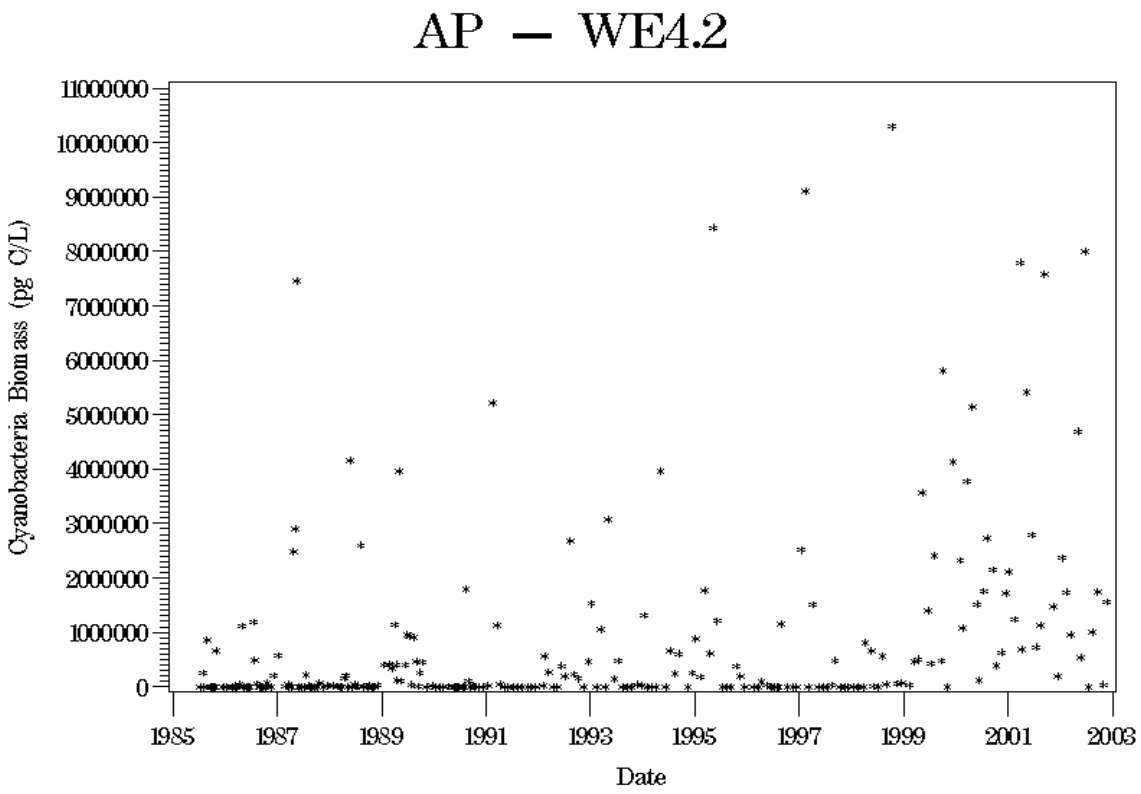

Figure F199. Plot of above pycnocline cyanobacteria biomass against time at station WE4.2 for the period of 1985 through 2002.

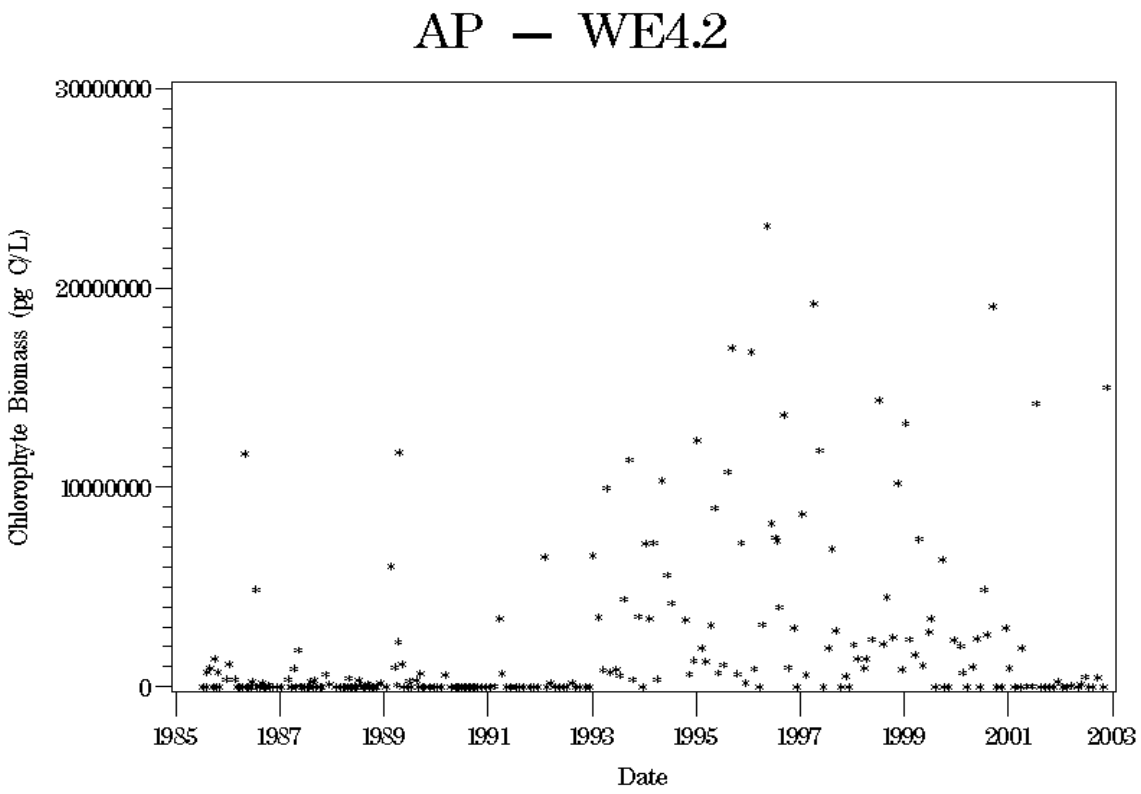

Figure F200. Plot of above pycnocline chlorophyte biomass against time at station WE4.2 for the period of 1985 through 2002.

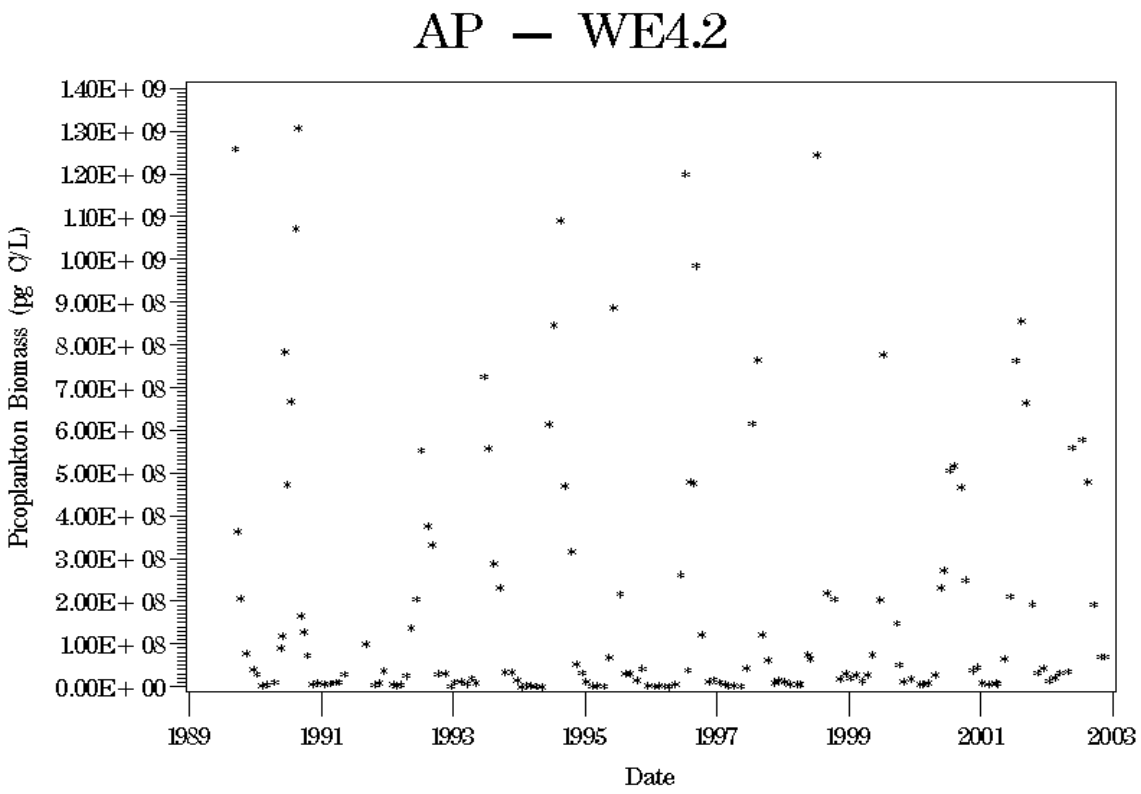

Figure F201. Plot of above pycnocline picoplankton biomass against time at station WE4.2 for the period of 1985 through 2002.

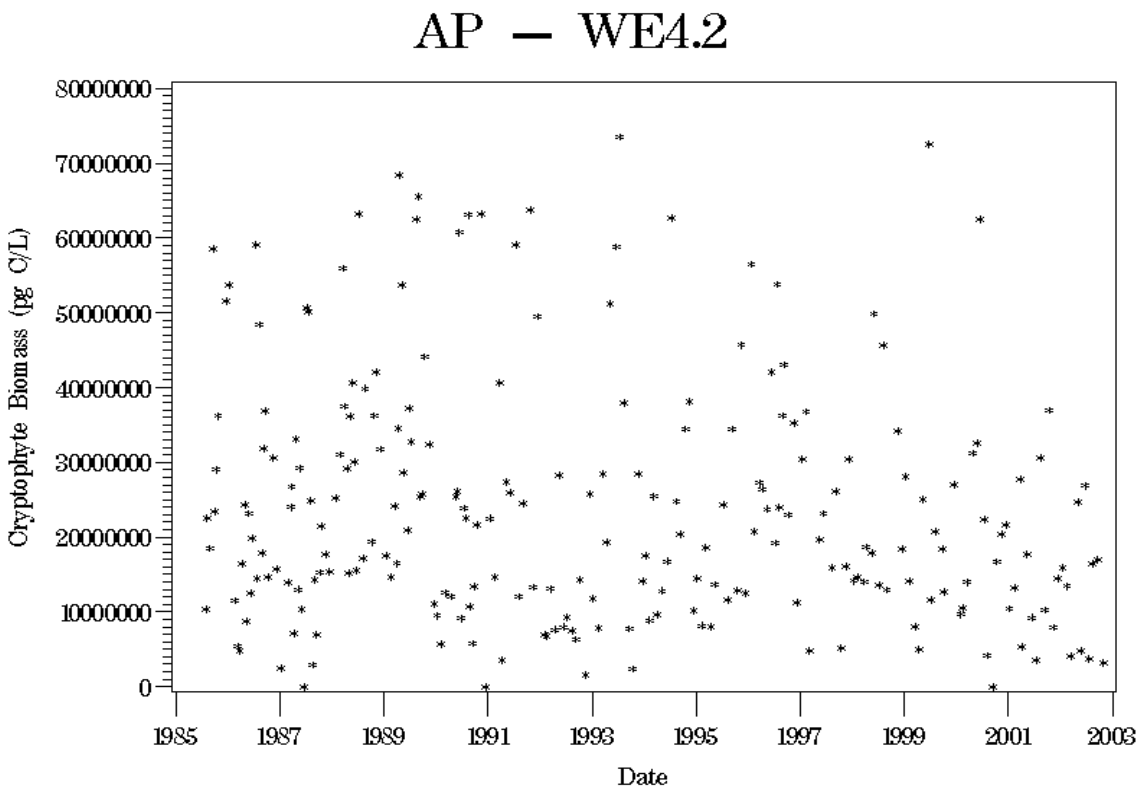

Figure F202. Plot of above pycnocline cryptophyte biomass at station WE4.2 for the period of 1985 through 2002.

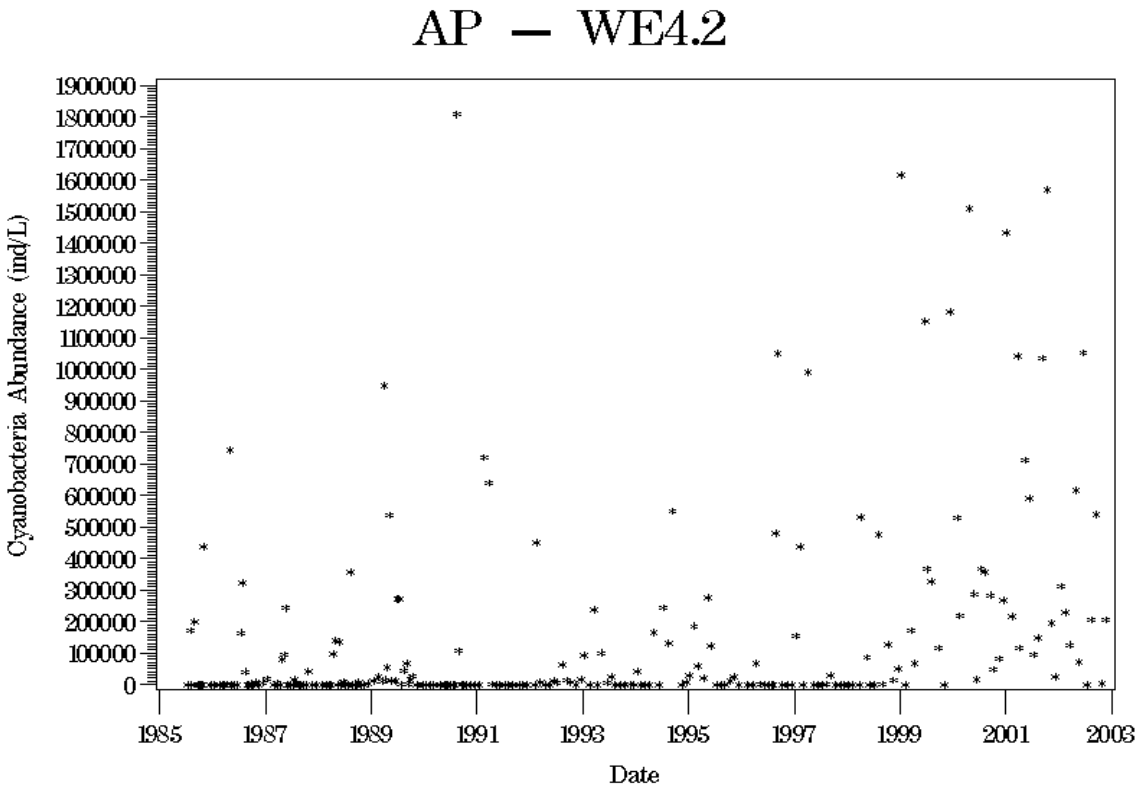

Figure F203. Plot of above pycnocline cyanophyte abundance at station WE4.2 for the period of 1985 through 2002.

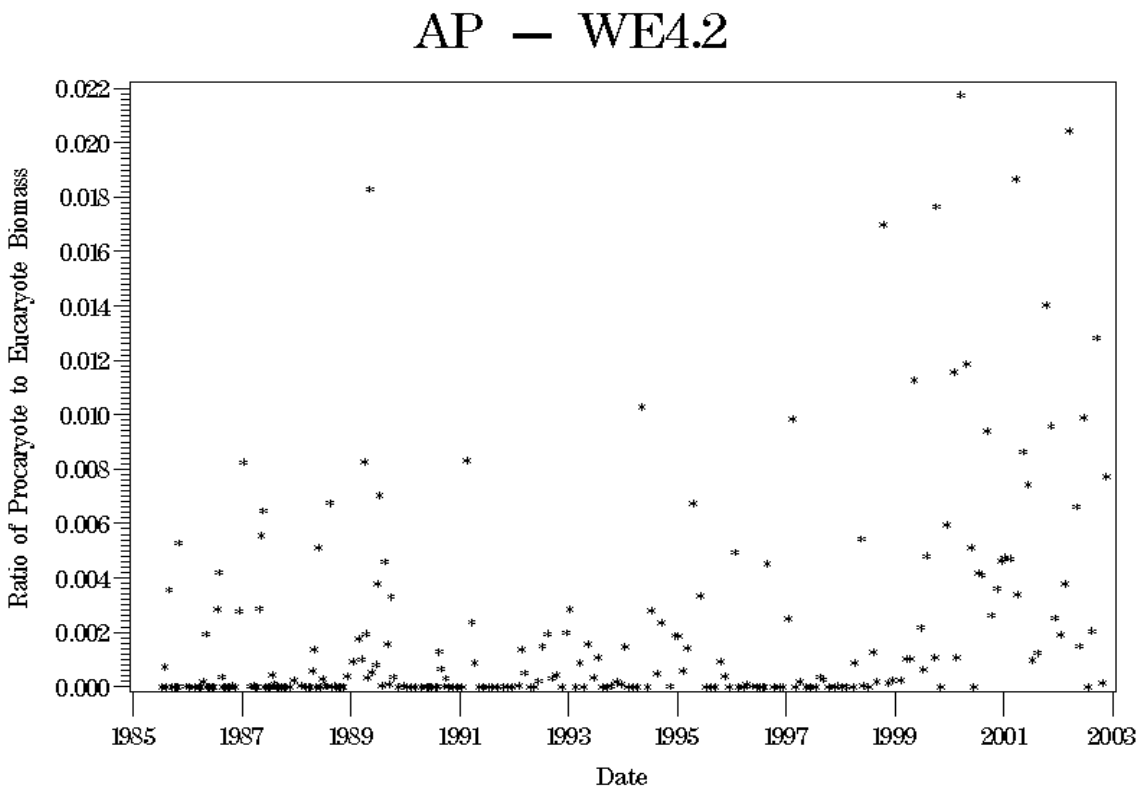

Figure F204. Plot of above pycnocline ratio of procaryote to eucaryote biomass at station WE4.2 for the period of 1985 through 2002.

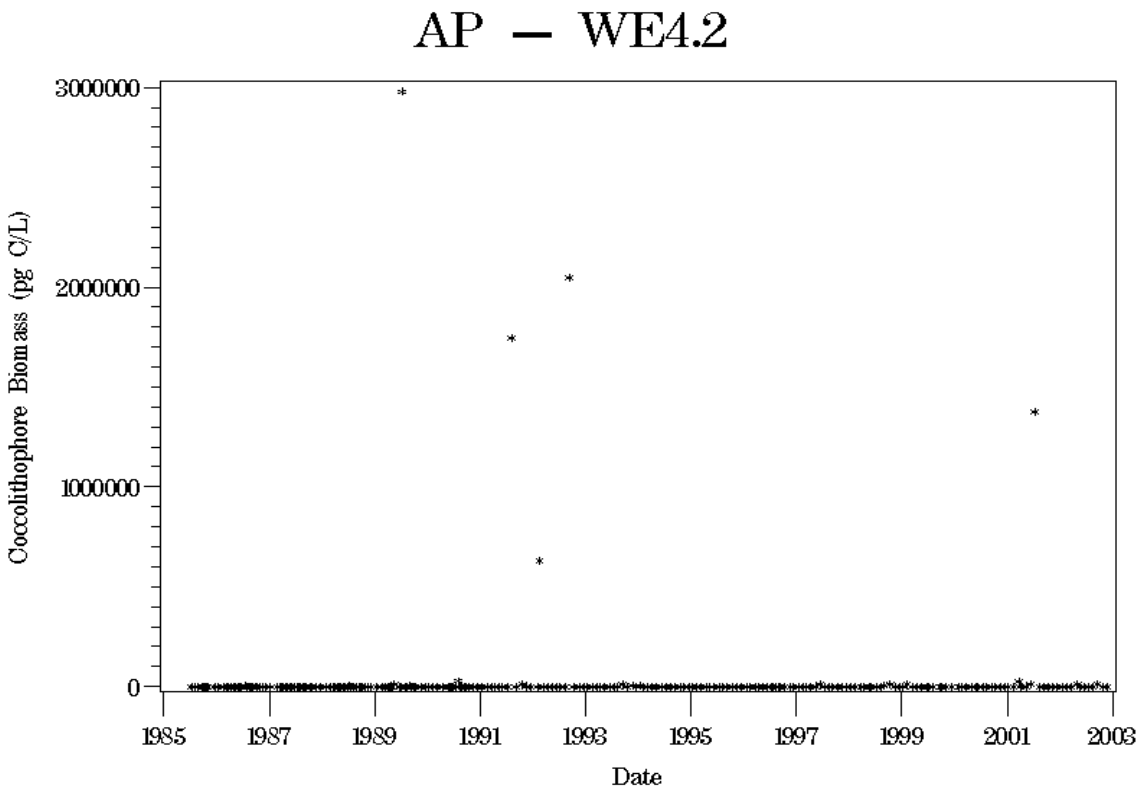

Figure F205. Plot of above pycnocline coccolithophore abundance at station WE4.2 for the period of 1985 through 2002.

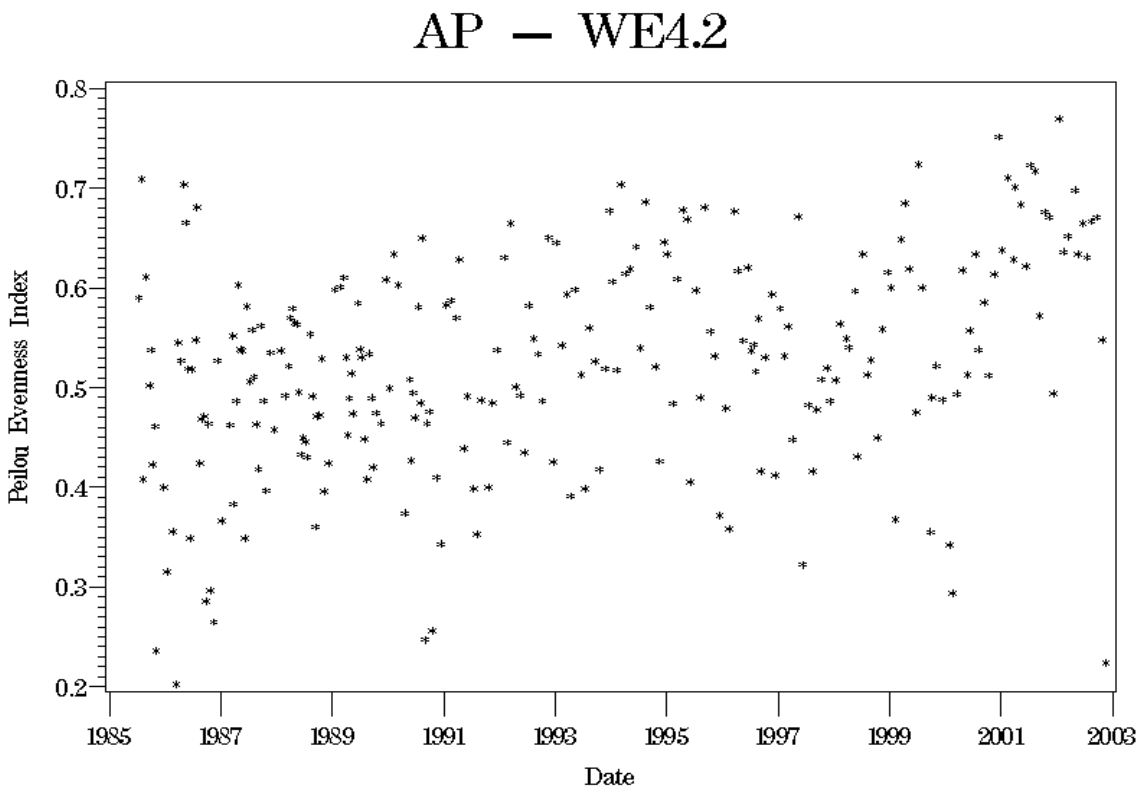

Figure F206. Plot of above pycnocline Pielou evenness index abundance at station WE4.2 for the period of 1985 through 2002.

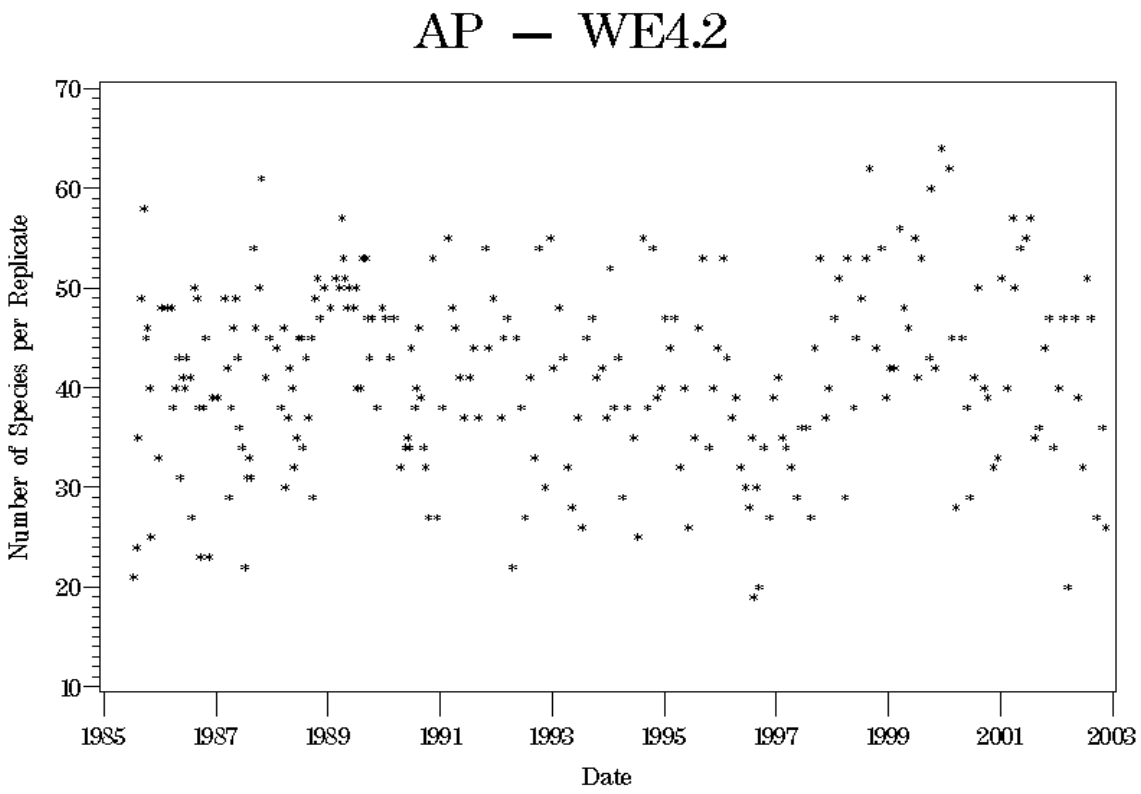

Figure F207. Plot of above pycnocline number of species per replicate at station WE4.2 for the period of 1985 through 2002.

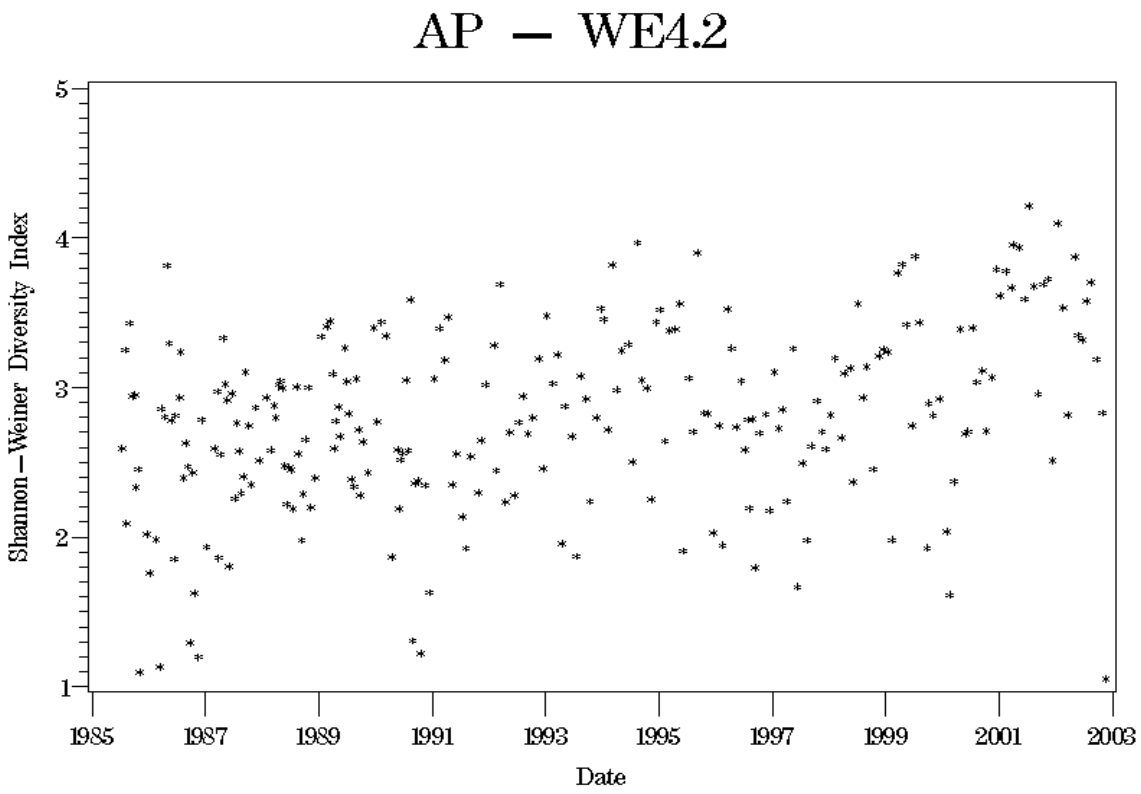

Figure F208. Plot of above pycnocline Shannon-Weiner Diversity index at station WE4.2 for the period of 1985 through 2002.

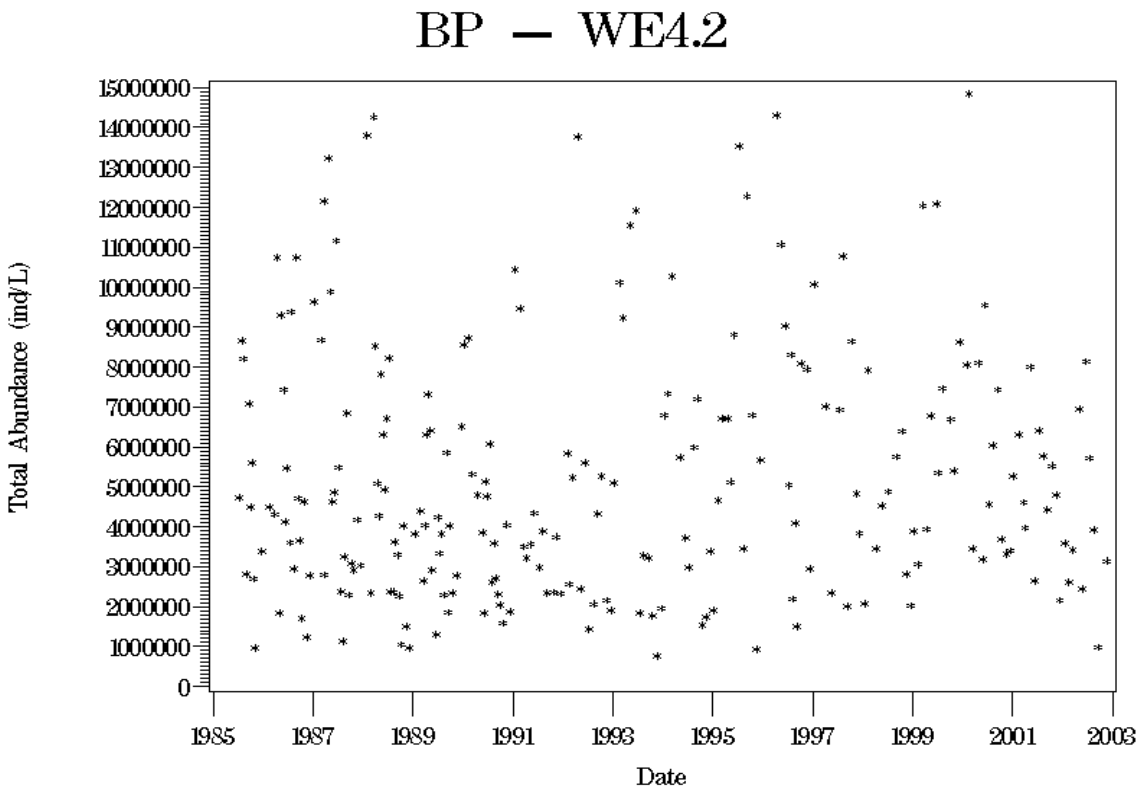

Figure F209. Plot of above pycnocline total phytoplankton abundance against time at station WE4.2 for the period of 1985 through 2002.

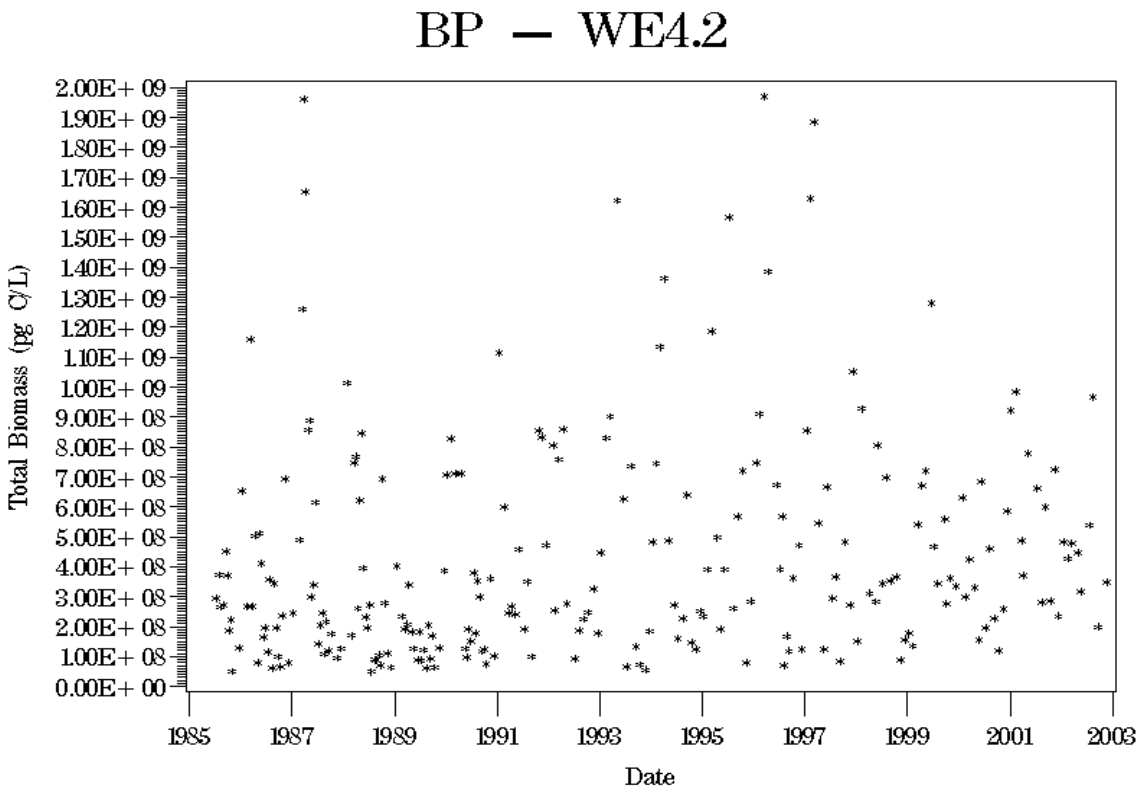

Figure F210. Plot of below pycnocline total phytoplankton biomass against time at station WE4.2 for the period of 1985 through 2002.

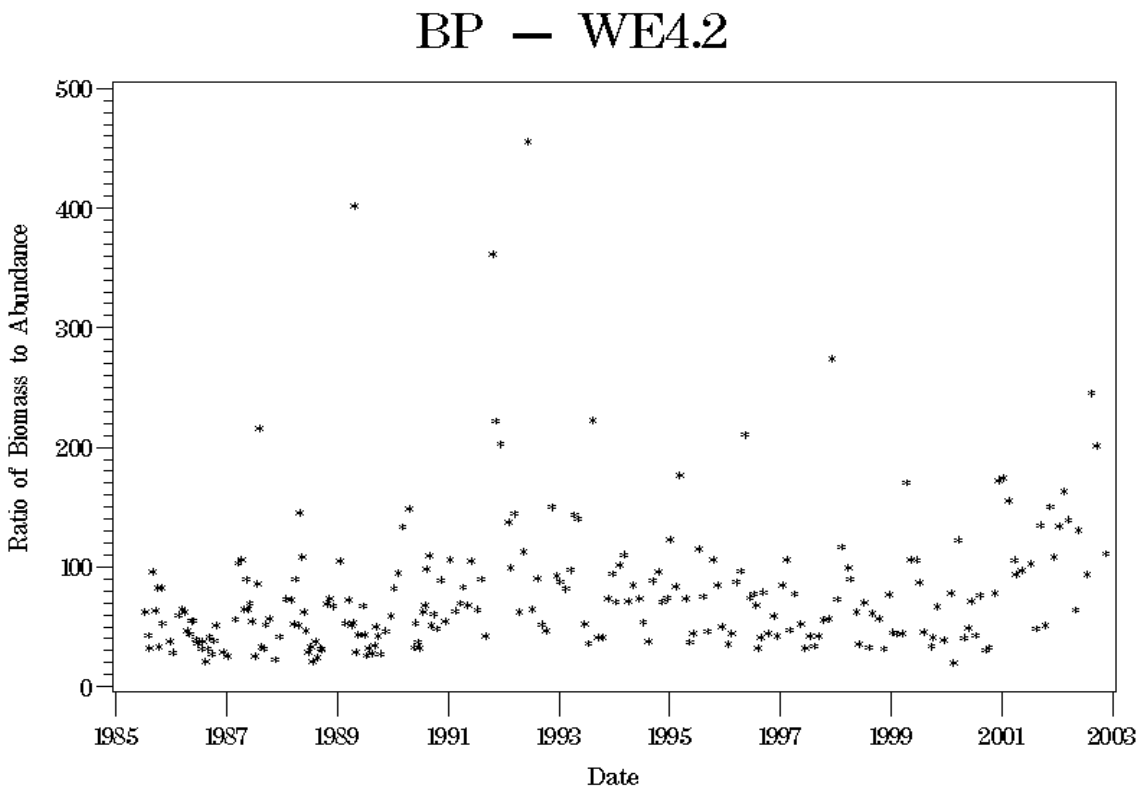

Figure F211. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station WE4.2 for the period of 1985 through 2002.

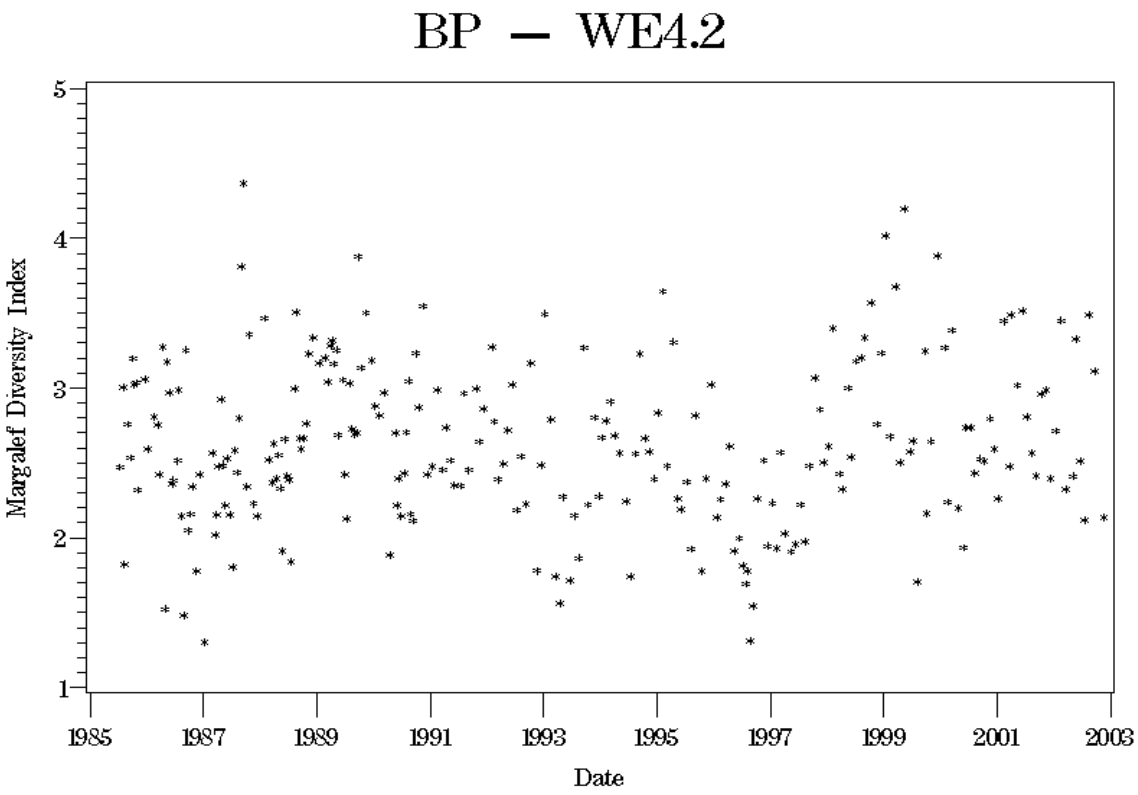

Figure F212. Plot of below pycnocline Margalef diversity index against time at station WE4.2 for the period of 1985 through 2002.

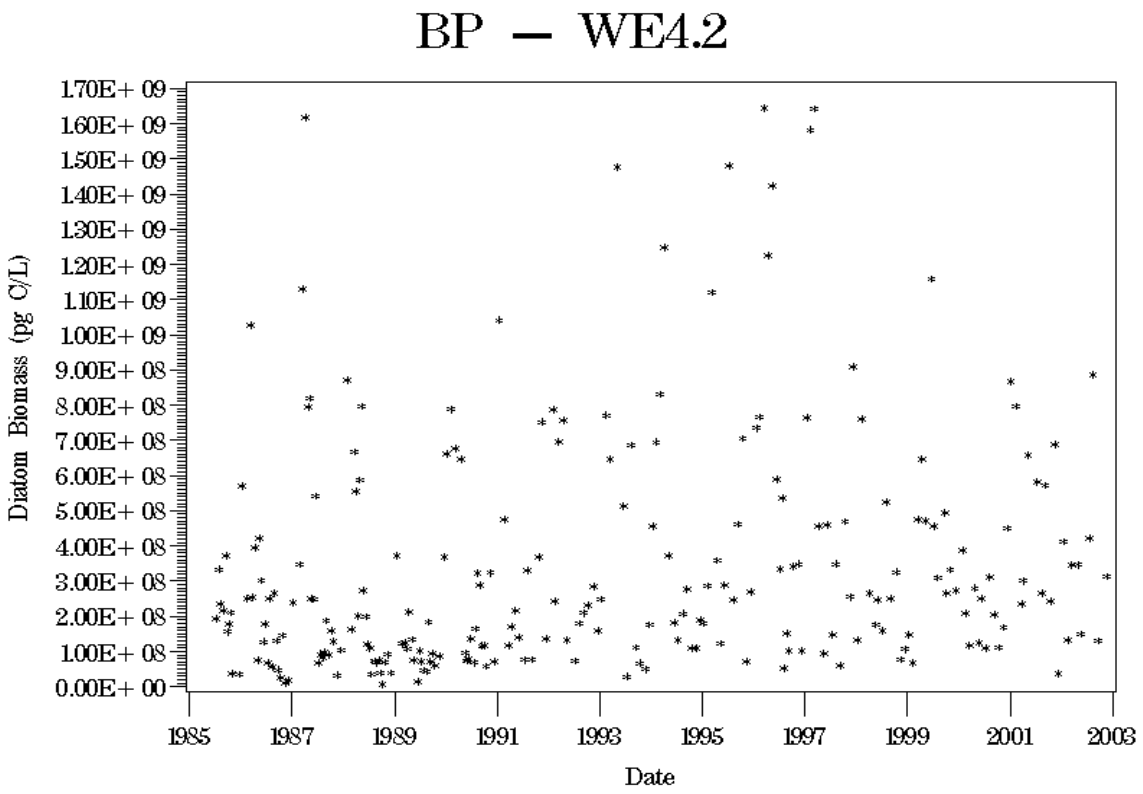

Figure F213. Plot of below pycnocline diatom biomass against time at station WE4.2 for the period of 1985 through 2002.

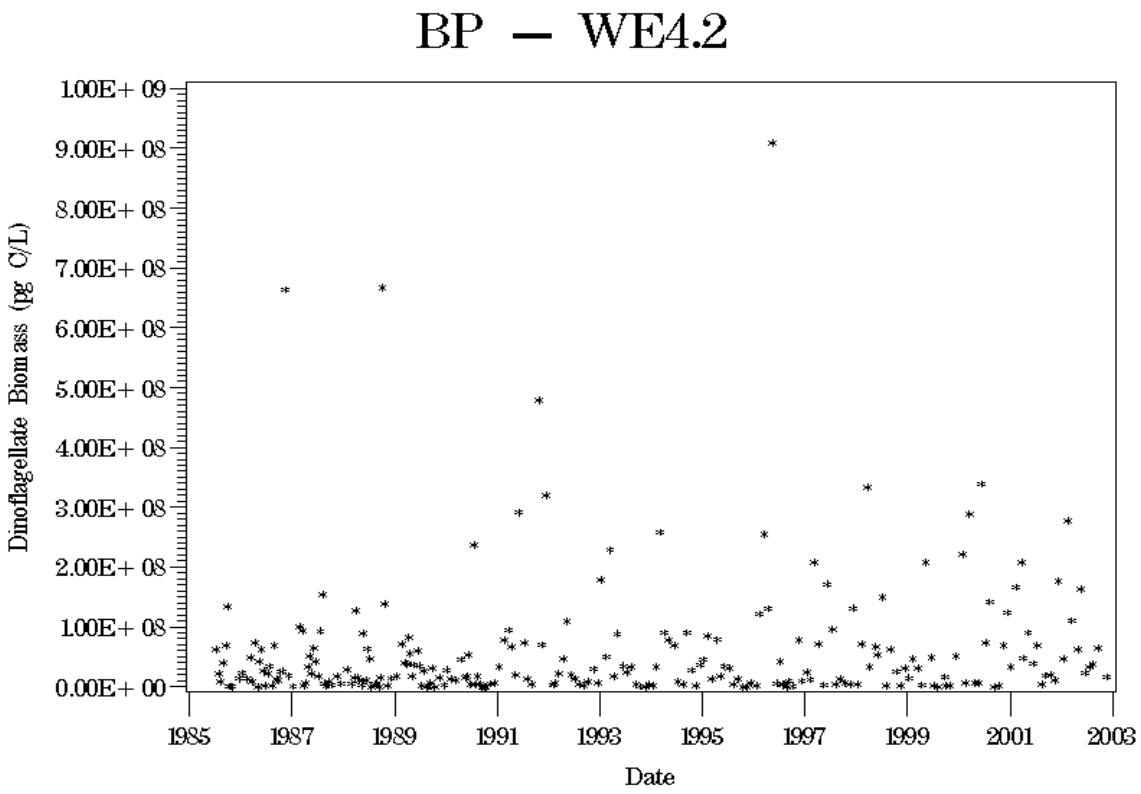

Figure F214. Plot of below pycnocline dinoflagellate biomass against time at station WE4.2 for the period of 1985 through 2002.

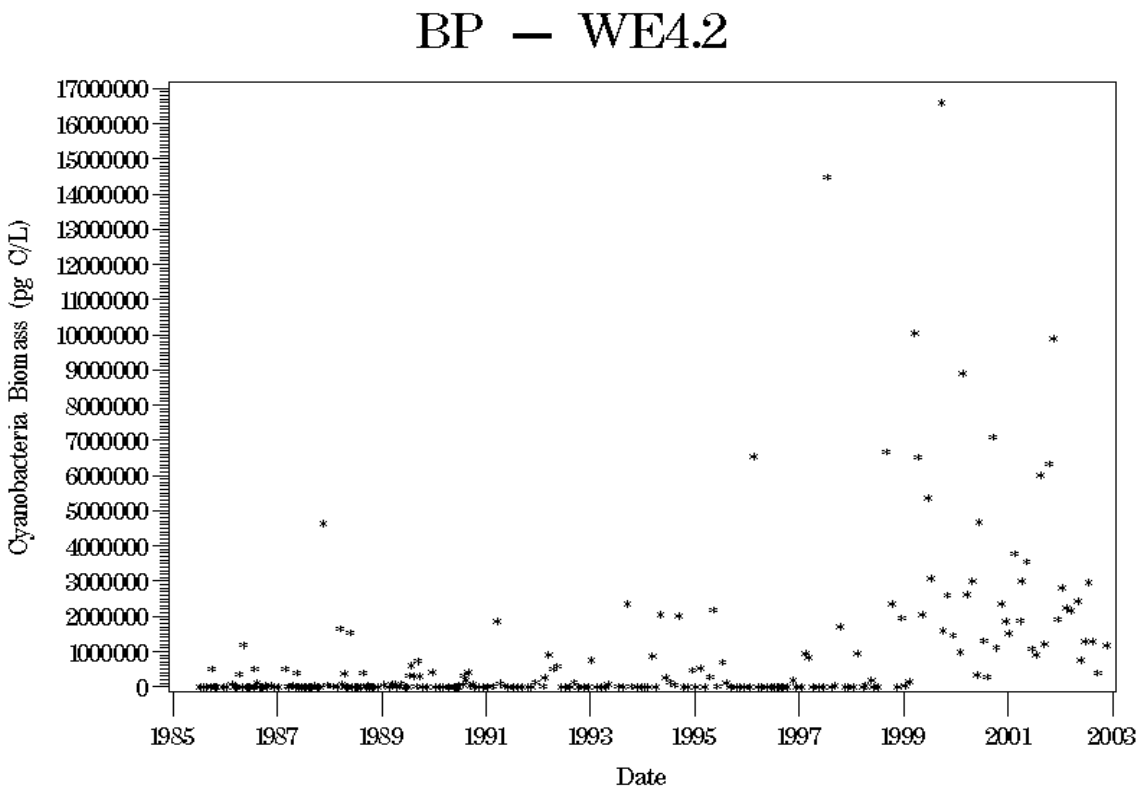

Figure F215. Plot of below pycnocline cyanobacteria biomass against time at station WE4.2 for the period of 1985 through 2002.

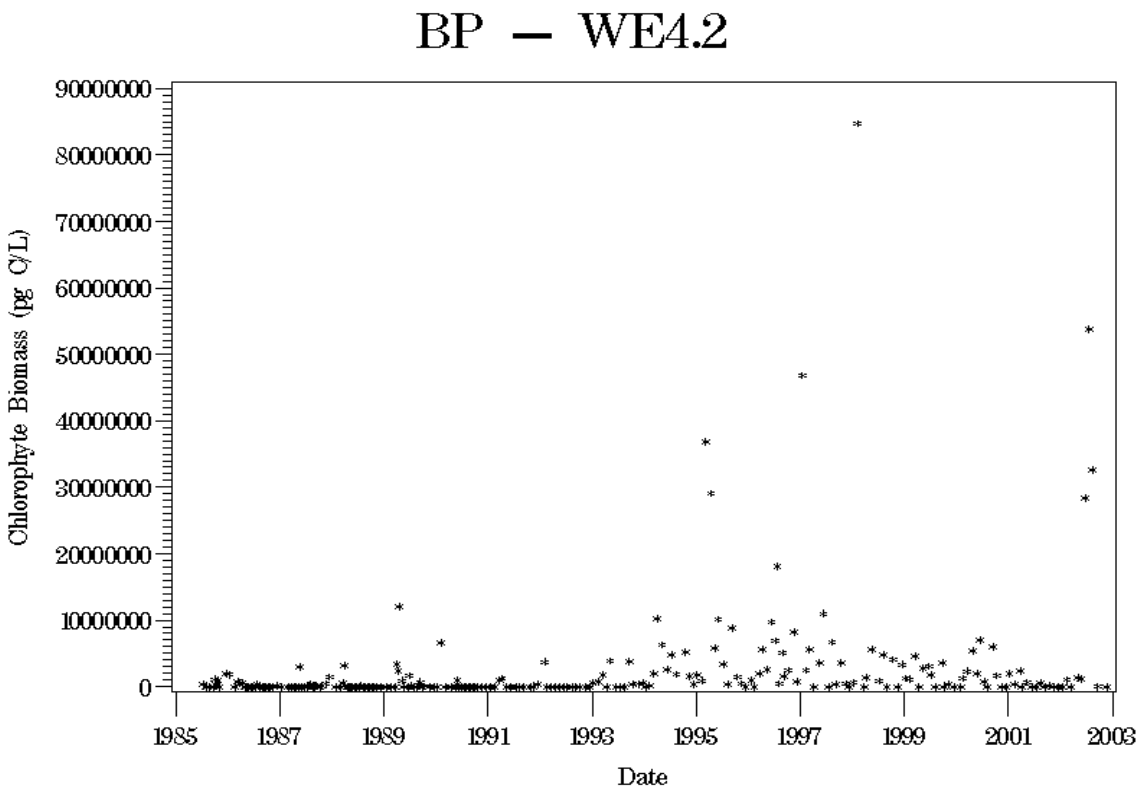

Figure F216. Plot of below pycnocline chlorophyte biomass against time at station WE4.2 for the period of 1985 through 2002.

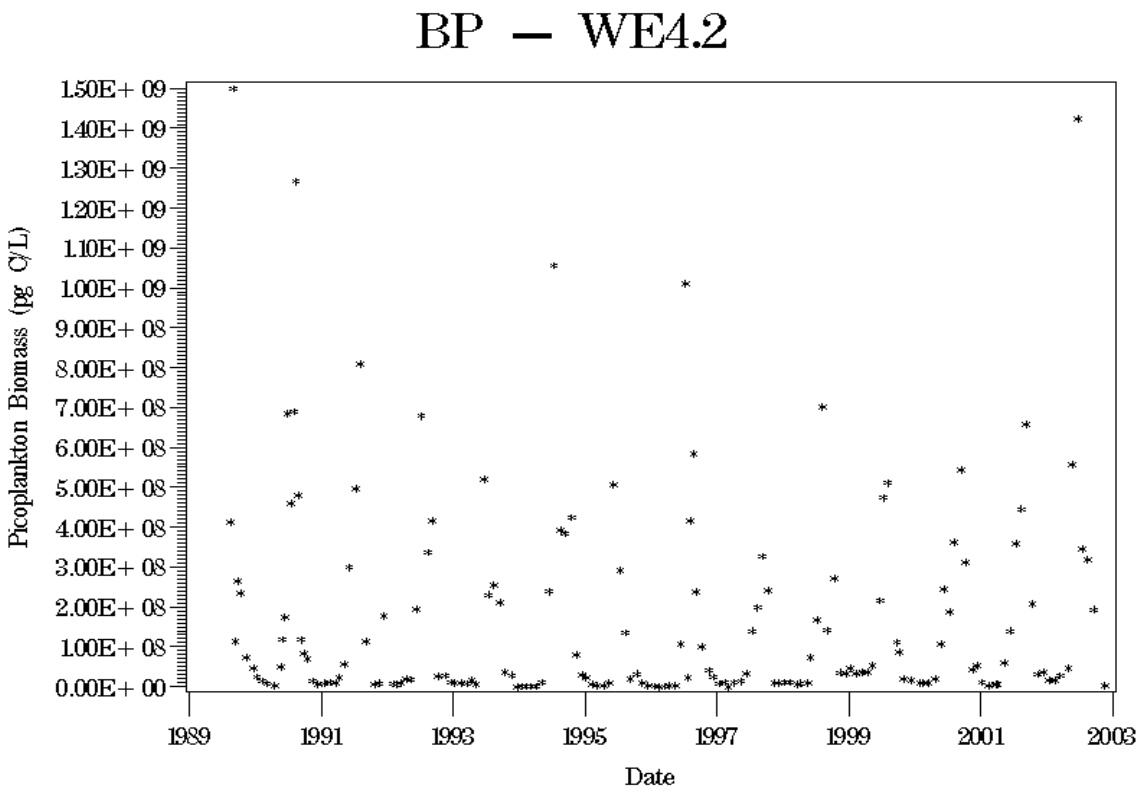

Figure F217. Plot of below pycnocline picoplankton biomass against time at station WE4.2 for the period of 1985 through 2002.

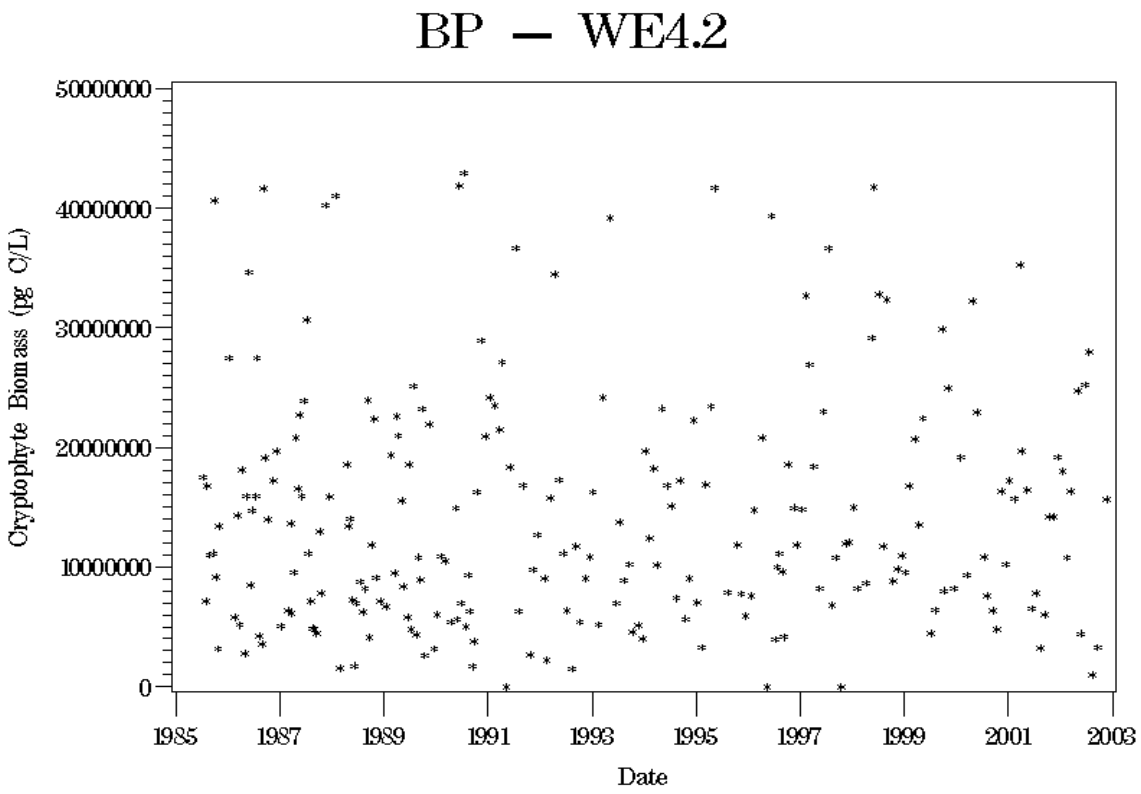

Figure F218. Plot of below pycnocline cryptophyte biomass at station WE4.2 for the period of 1985 through 2002.

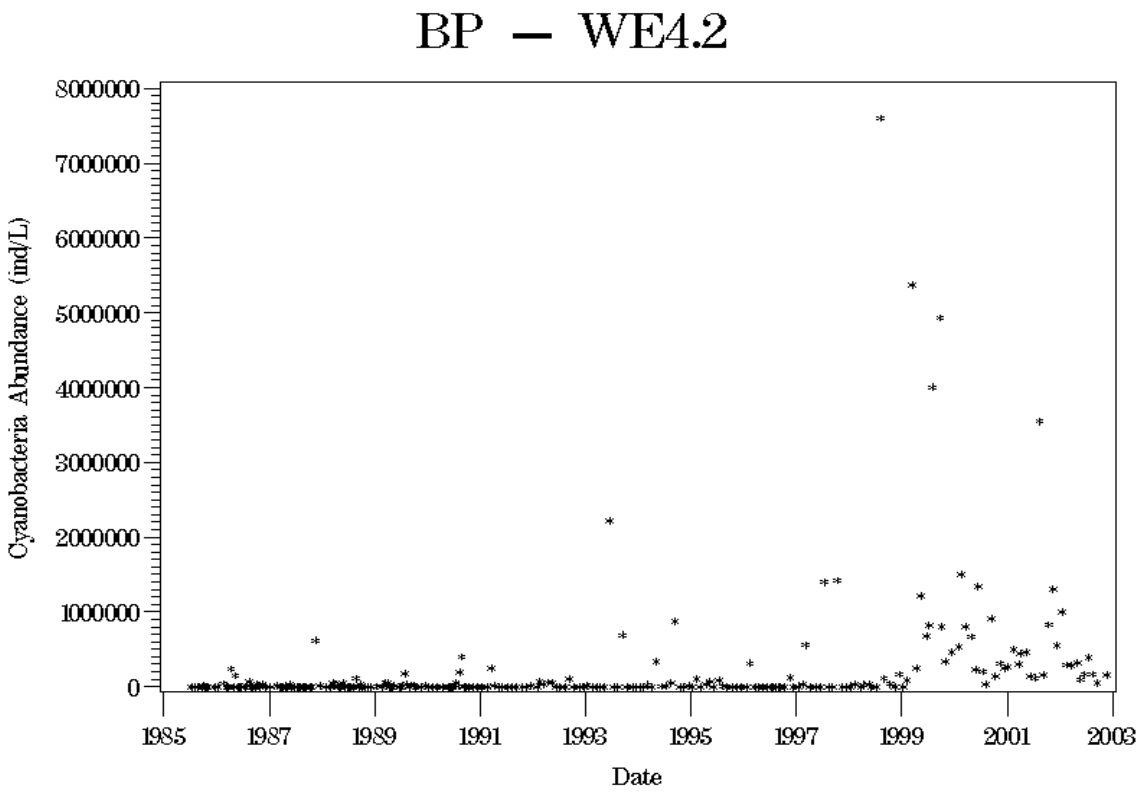

Figure F219. Plot of below pycnocline cyanophyte abundance at station WE4.2 for the period of 1985 through 2002.

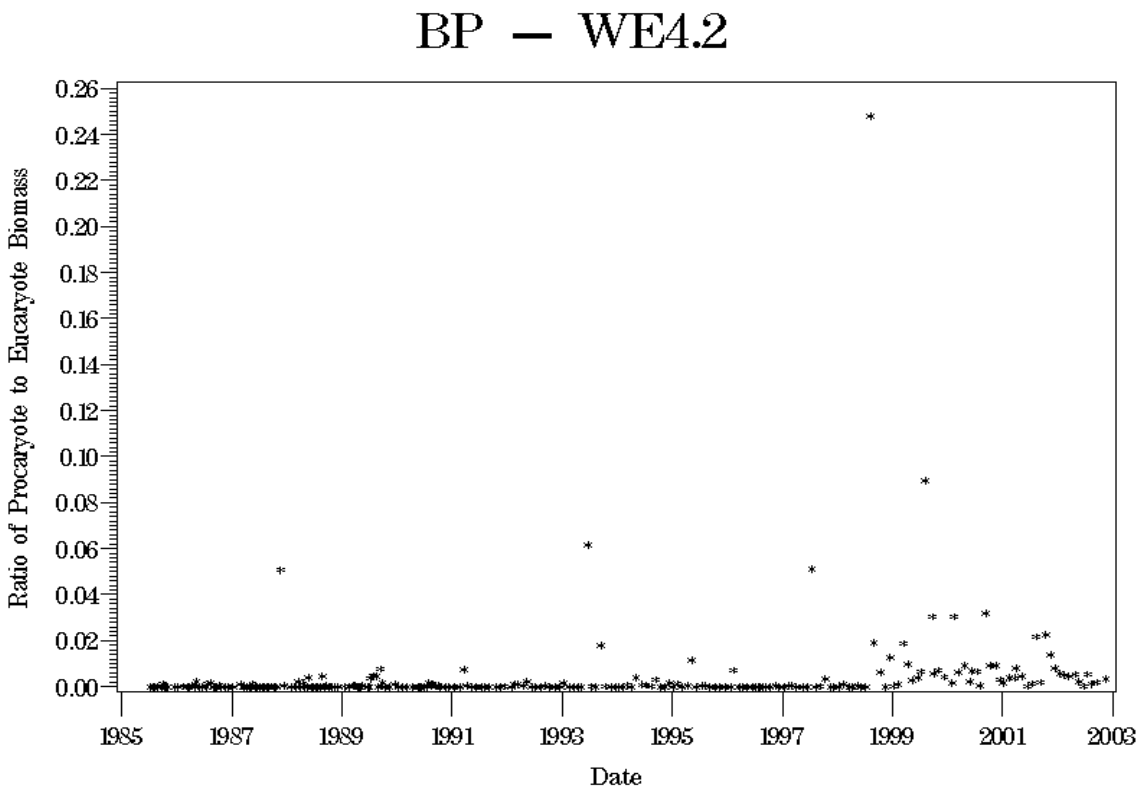

Figure F220. Plot of below pycnocline ratio of procaryote to eucaryote biomass at station WE4.2 for the period of 1985 through 2002.

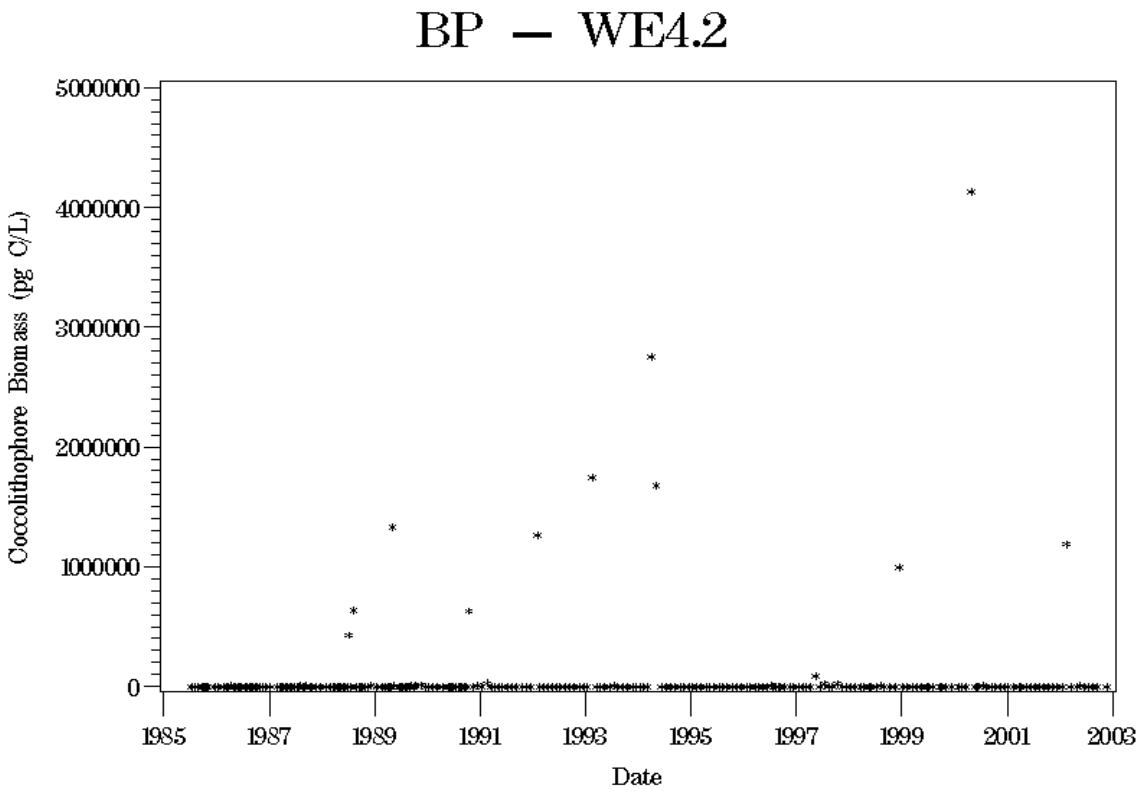

Figure F221. Plot of below pycnocline coccolithophore biomass at station WE4.2 for the period of 1985 through 2002.

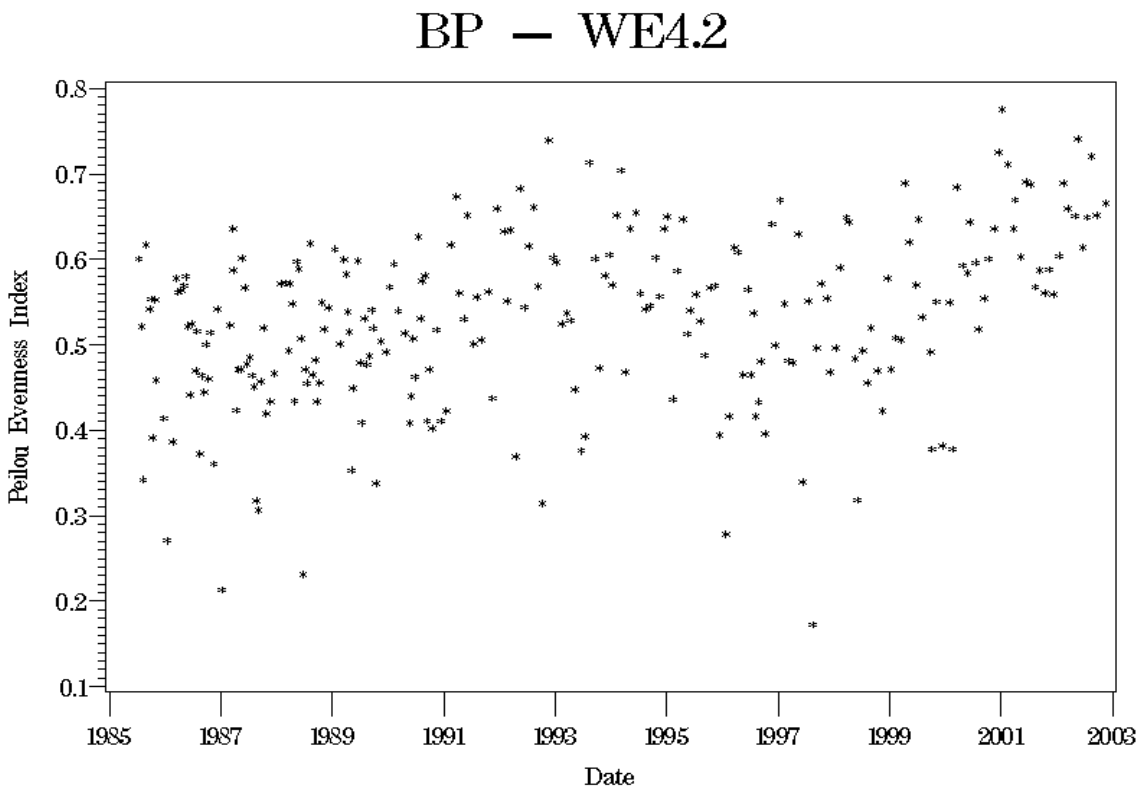

Figure F222. Plot of below pycnocline Pielou evenness index at station WE4.2 for the period of 1985 through 2002.

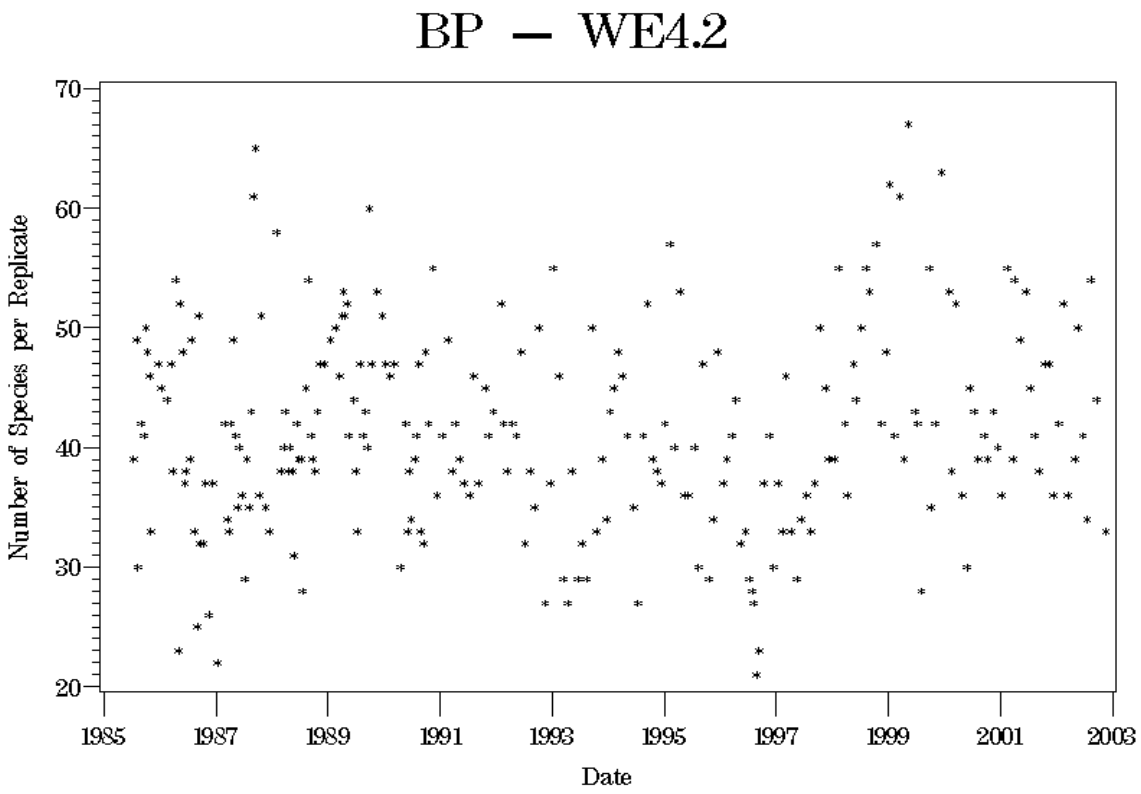

Figure F223. Plot of below pycnocline number of species per replicate at station WE4.2 for the period of 1985 through 2002.

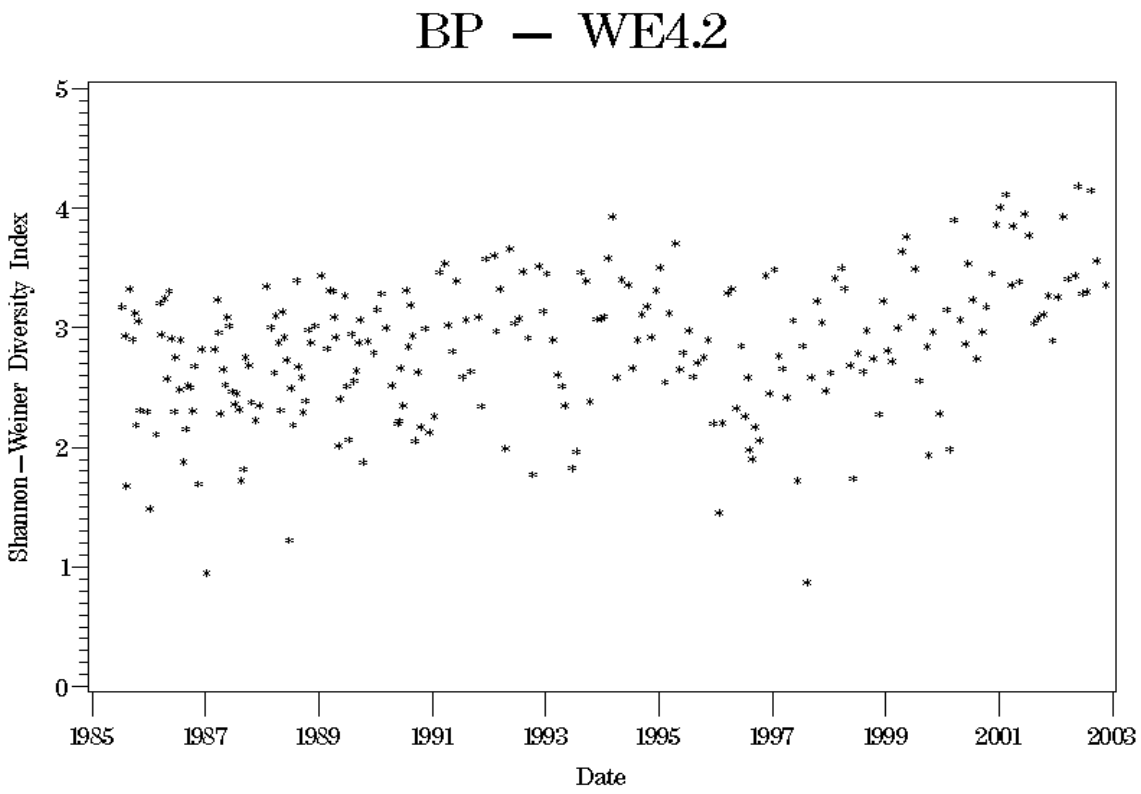

Figure F224. Plot of below pycnocline Shannon-Weiner Diversity index at station WE4.2 for the period of 1985 through 2002.

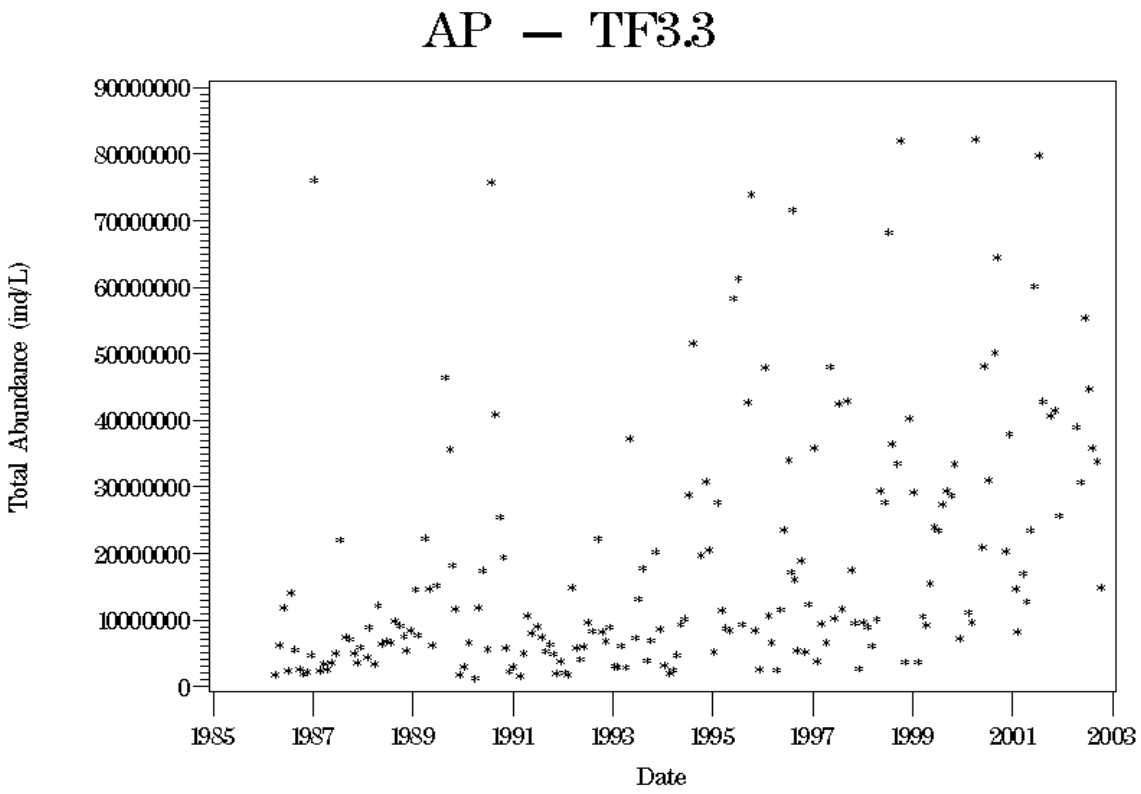

Figure F225. Plot of above pycnocline total phytoplankton abundance against time at station TF3.3 for the period of 1985 through 2002.

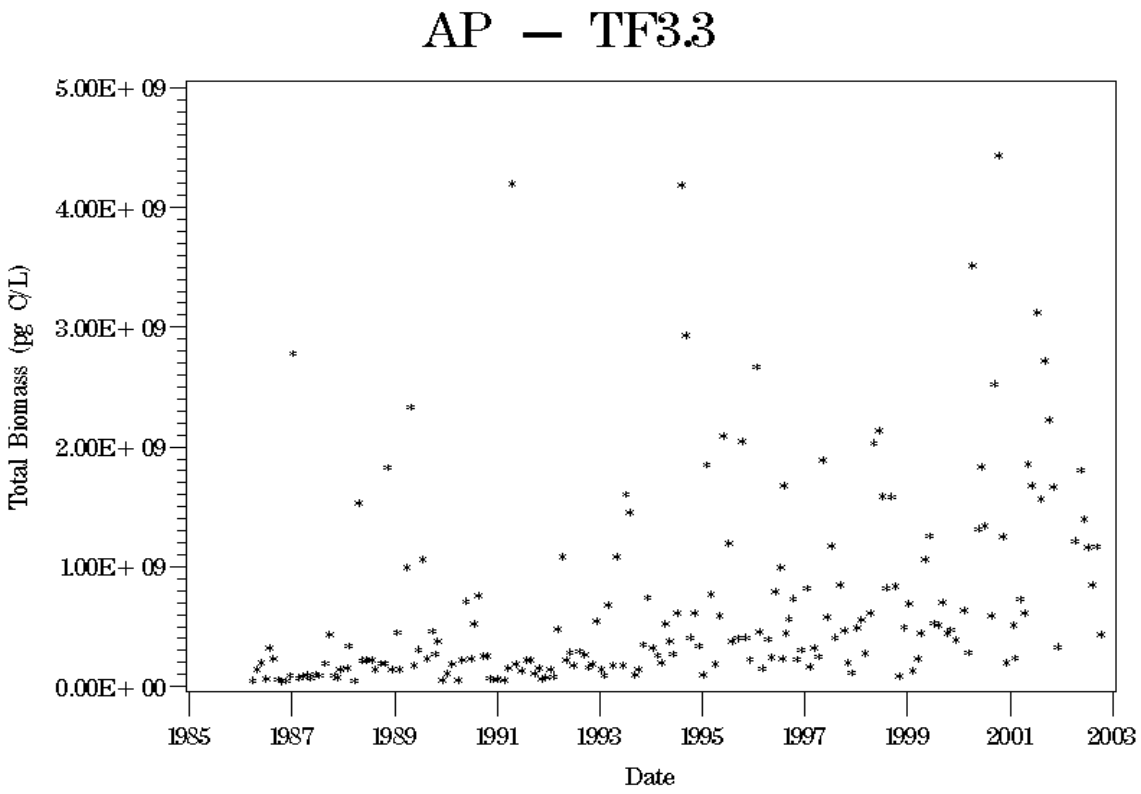

Figure F226. Plot of above pycnocline total phytoplankton biomass against time at station TF3.3 for the period of 1985 through 2002.

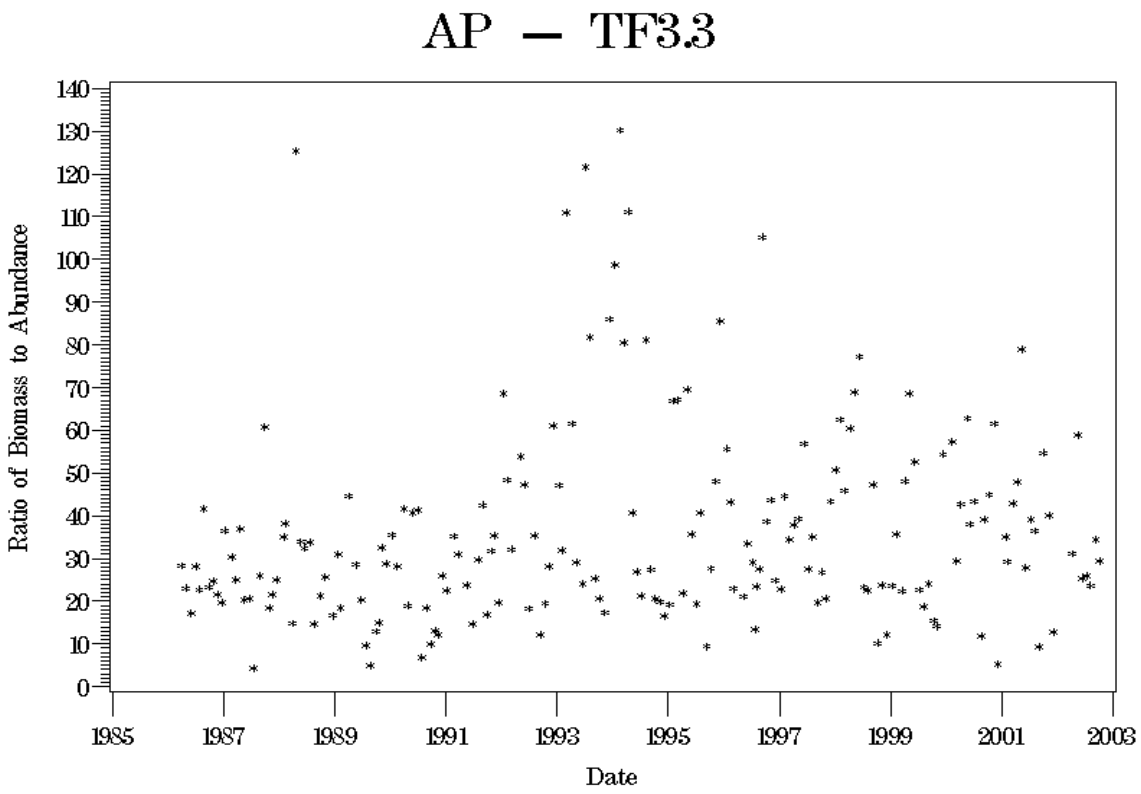

Figure F227. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station TF3.3 for the period of 1985 through 2002.

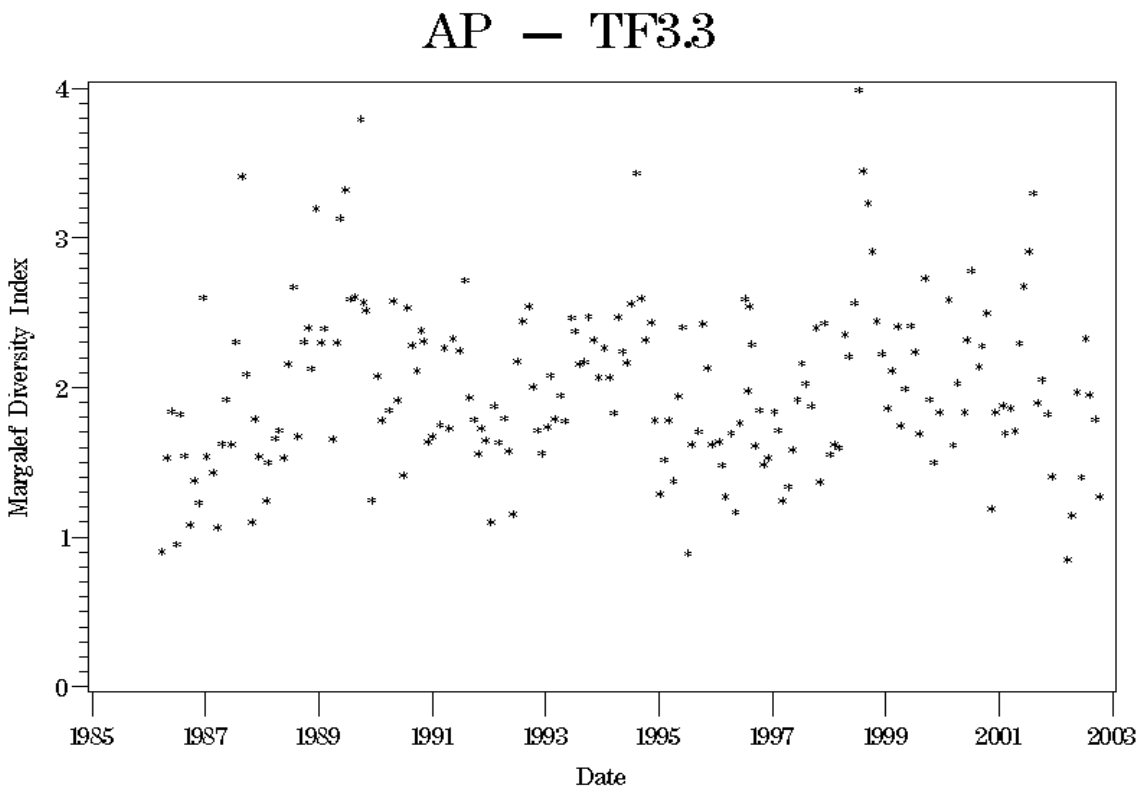

Figure F228. Plot of above pycnocline Margalef diversity index against time at station TF3.3 for the period of 1985 through 2002.

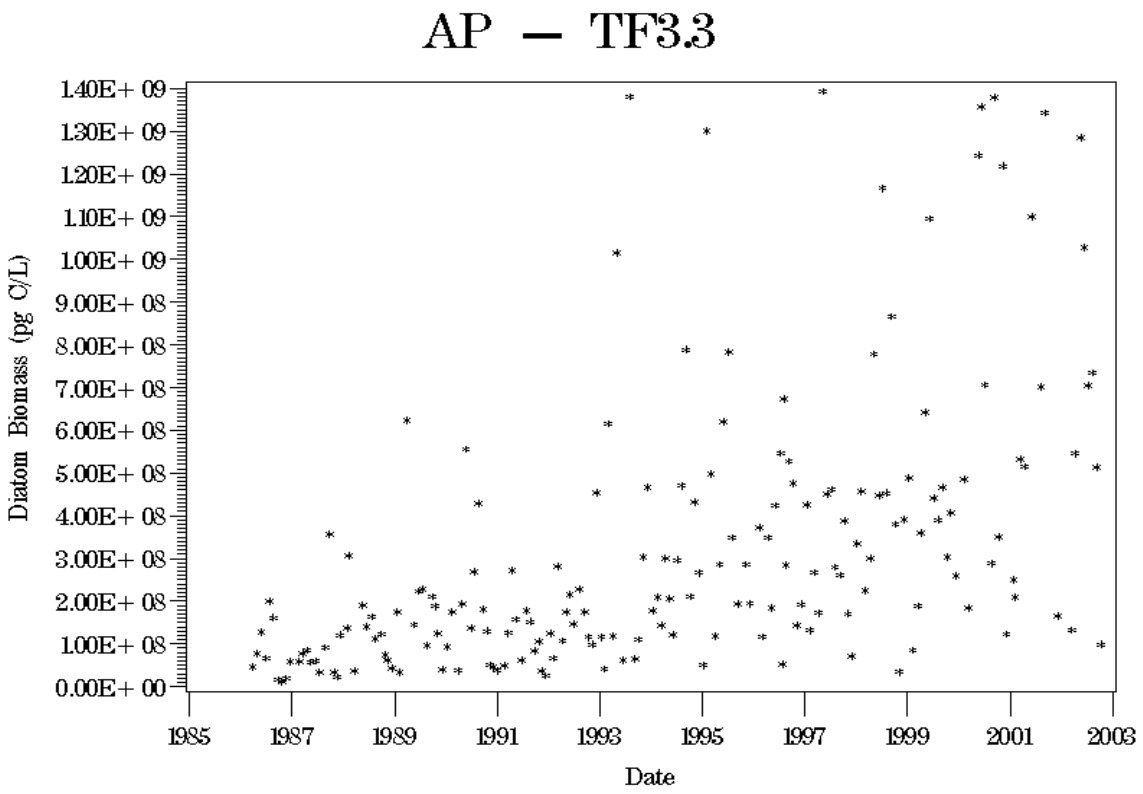

Figure F229. Plot of above pycnocline diatom biomass against time at station TF3.3 for the period of 1985 through 2002.

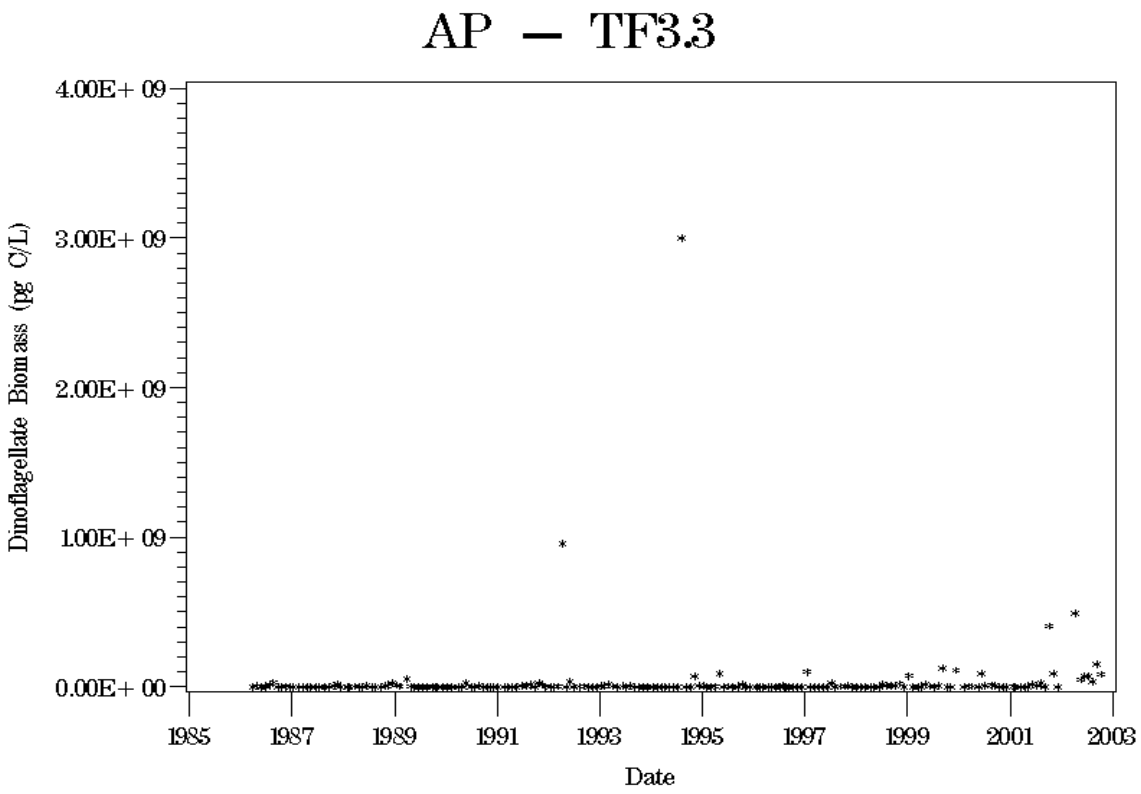

Figure F230. Plot of above pycnocline dinoflagellate biomass against time at station TF3.3 for the period of 1985 through 2002.

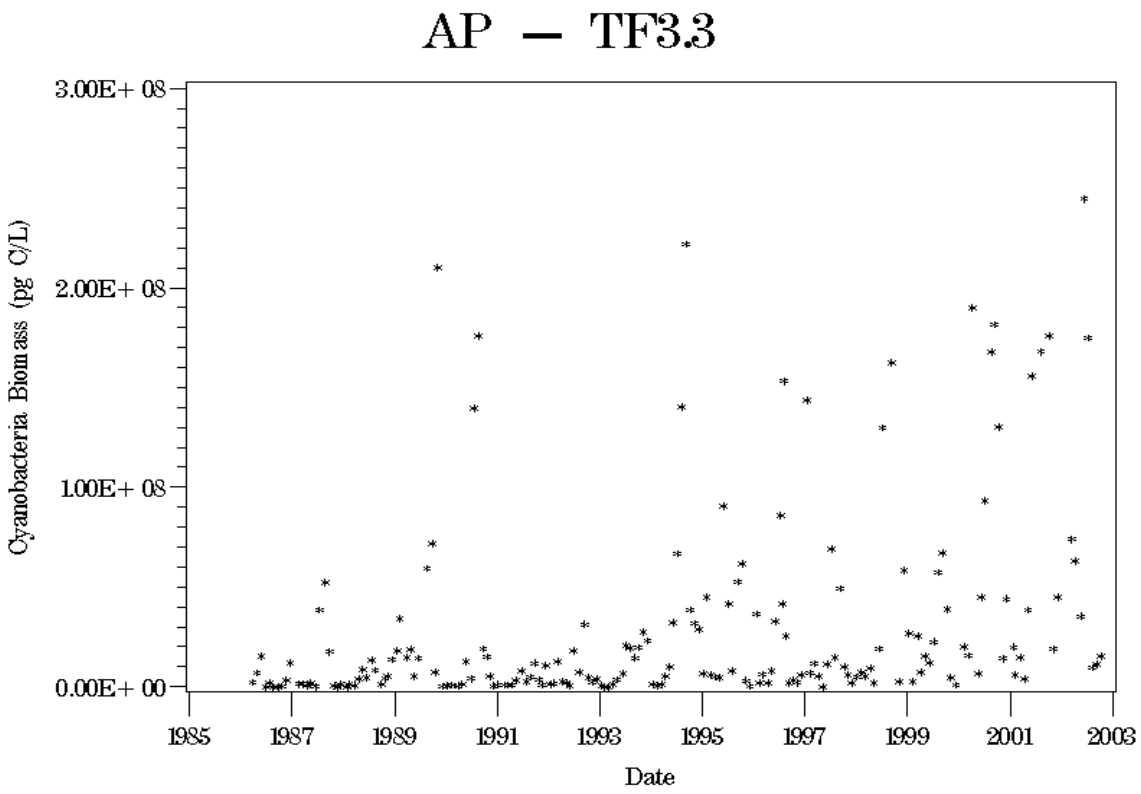

Figure F231. Plot of above pycnocline cyanobacteria biomass against time at station TF3.3 for the period of 1985 through 2002.

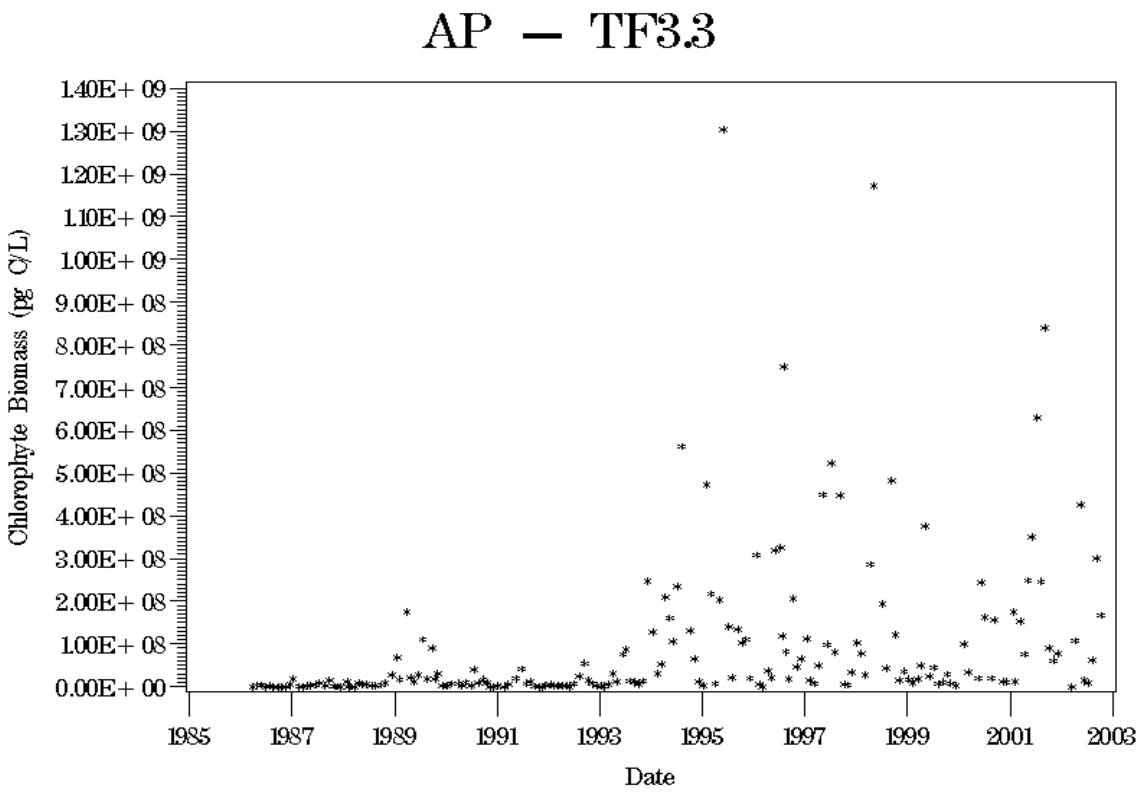

Figure F232. Plot of above pycnocline chlorophyte biomass against time at station TF3.3 for the period of 1985 through 2002.

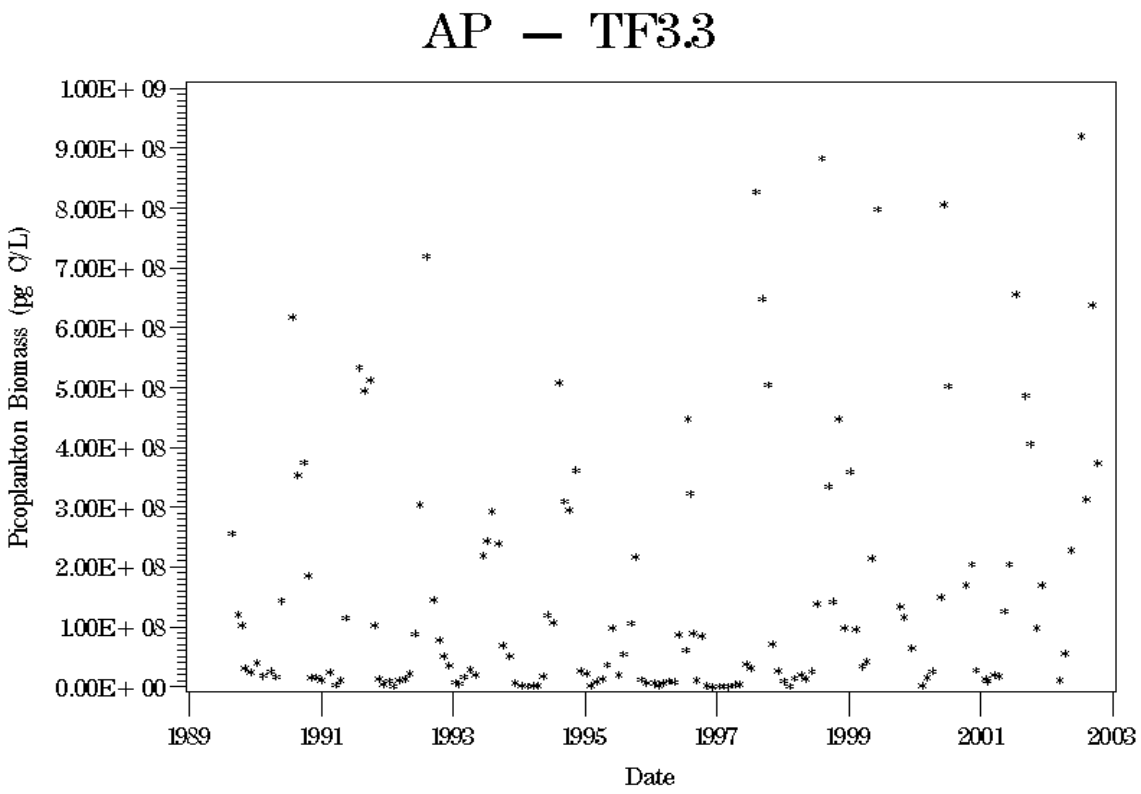

Figure F233. Plot of above pycnocline picoplankton biomass against time at station TF3.3 for the period of 1985 through 2002.

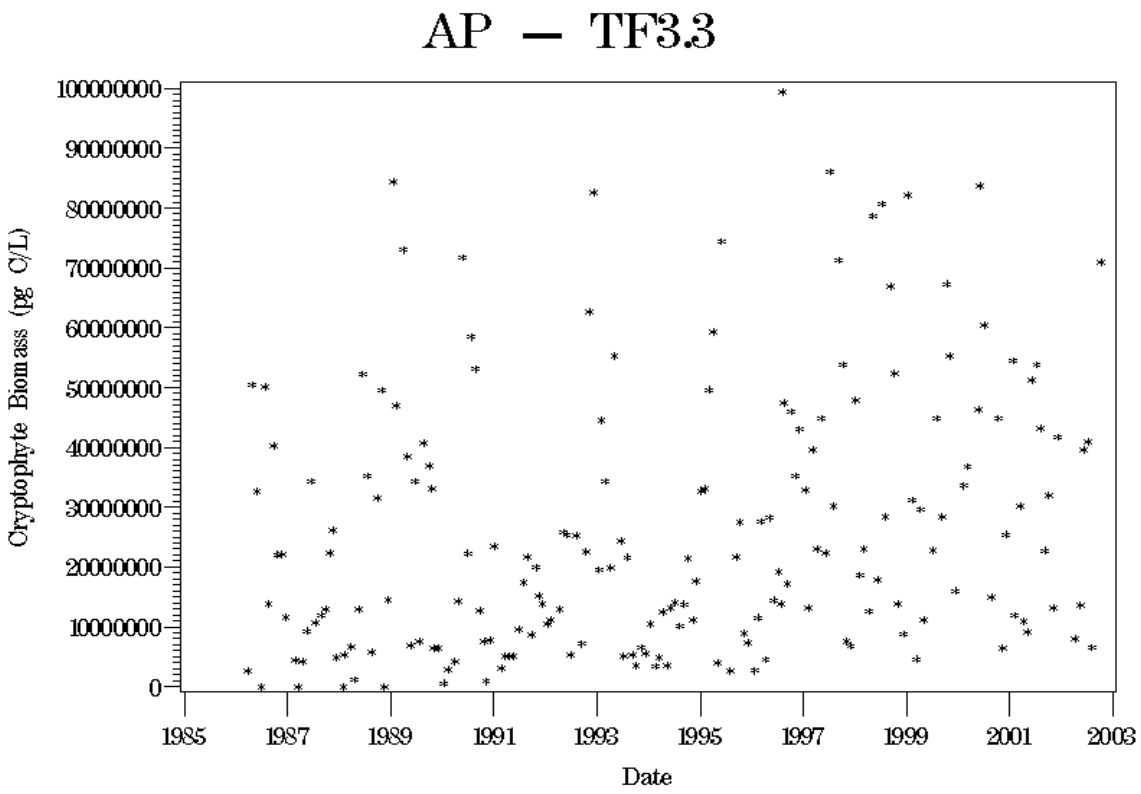

Figure F234. Plot of above pycnocline cryptophyte biomass at station TF3.3 for the period of 1985 through 2002.

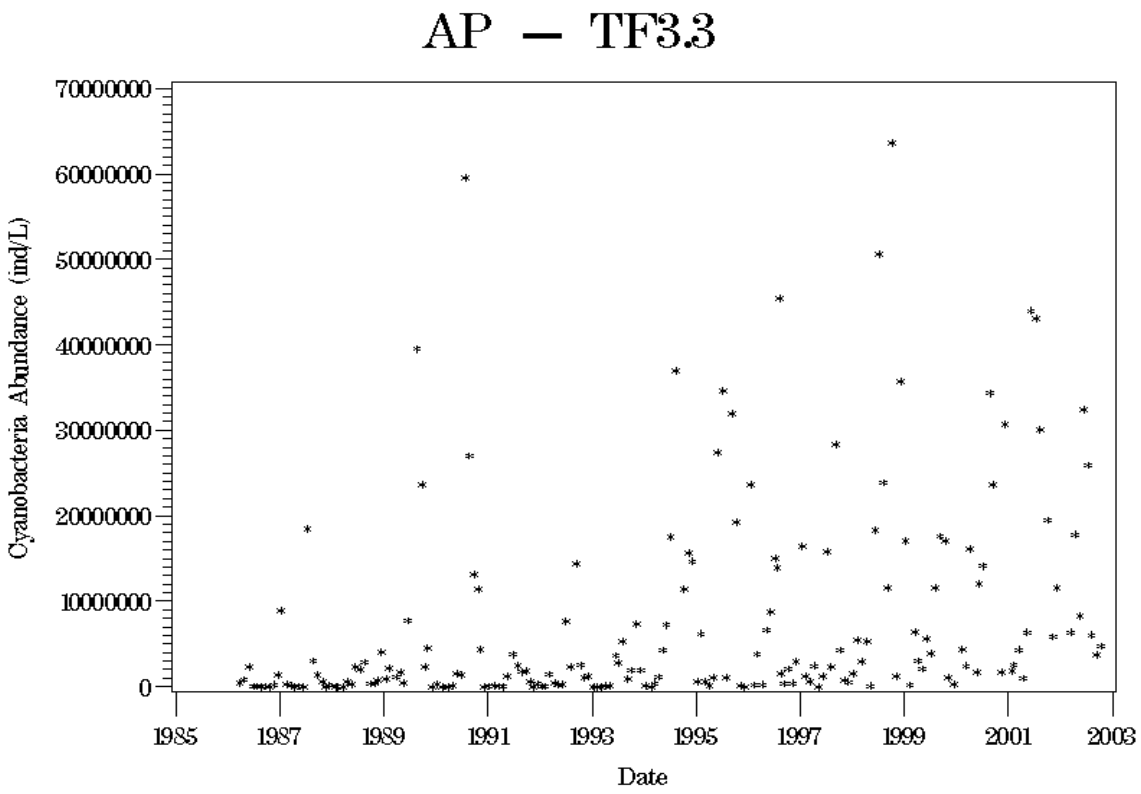

Figure F235 Plot of above pycnocline cyanophyte abundance at station TF3.3 for the period of 1985 through 2002.

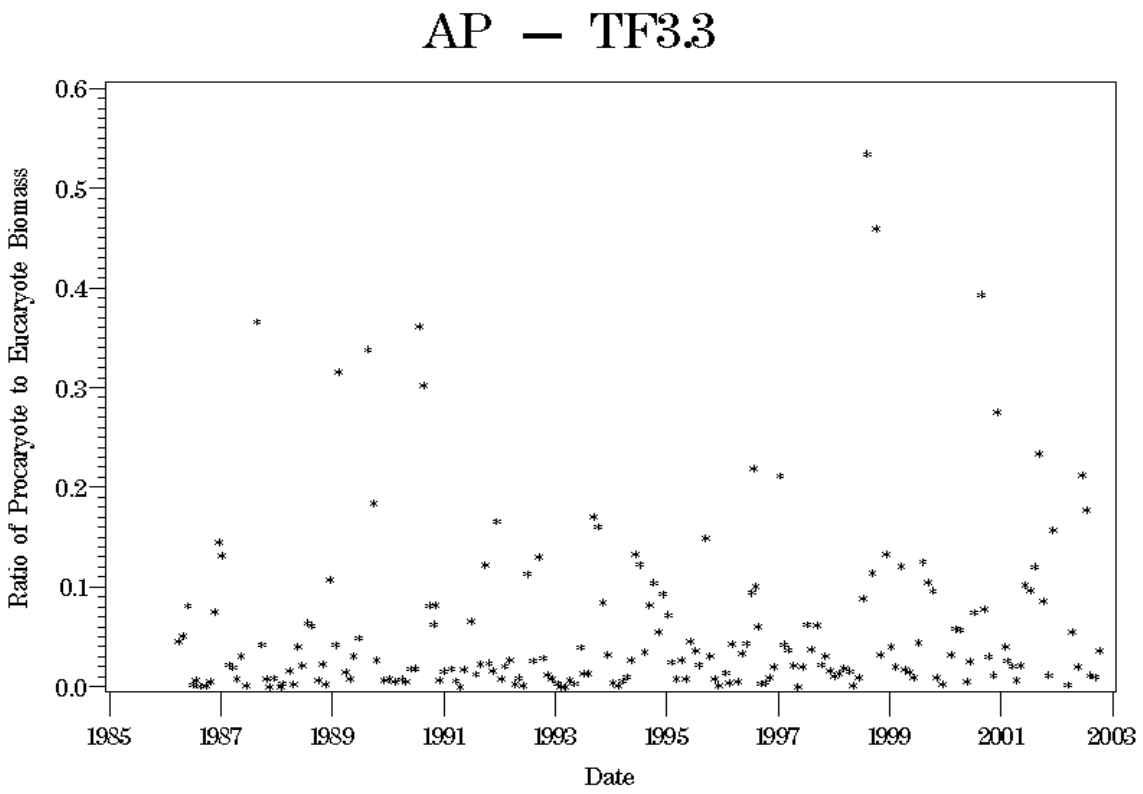

Figure F236. Plot of above pycnocline ratio of procaryote to eucaryote biomass at station TF3.3 for the period of 1985 through 2002.

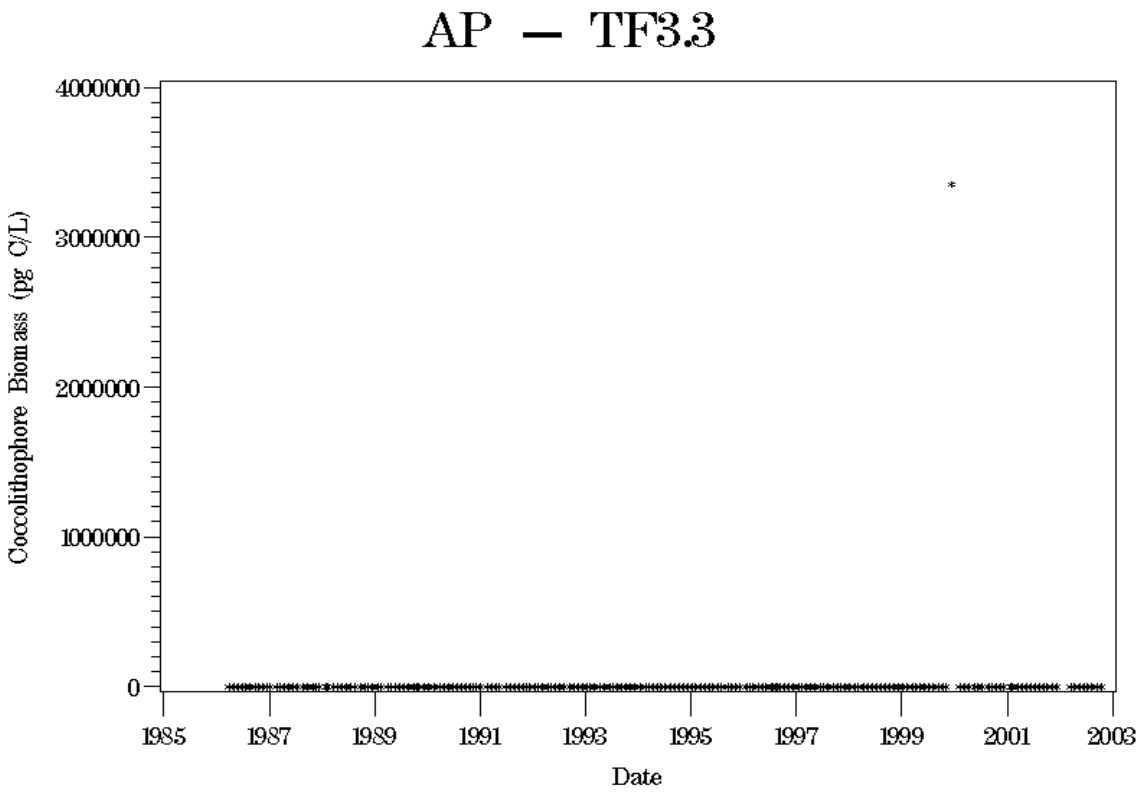

Figure F237. Plot of above pycnocline coccolithophore biomass at station TF3.3 for the period of 1985 through 2002.

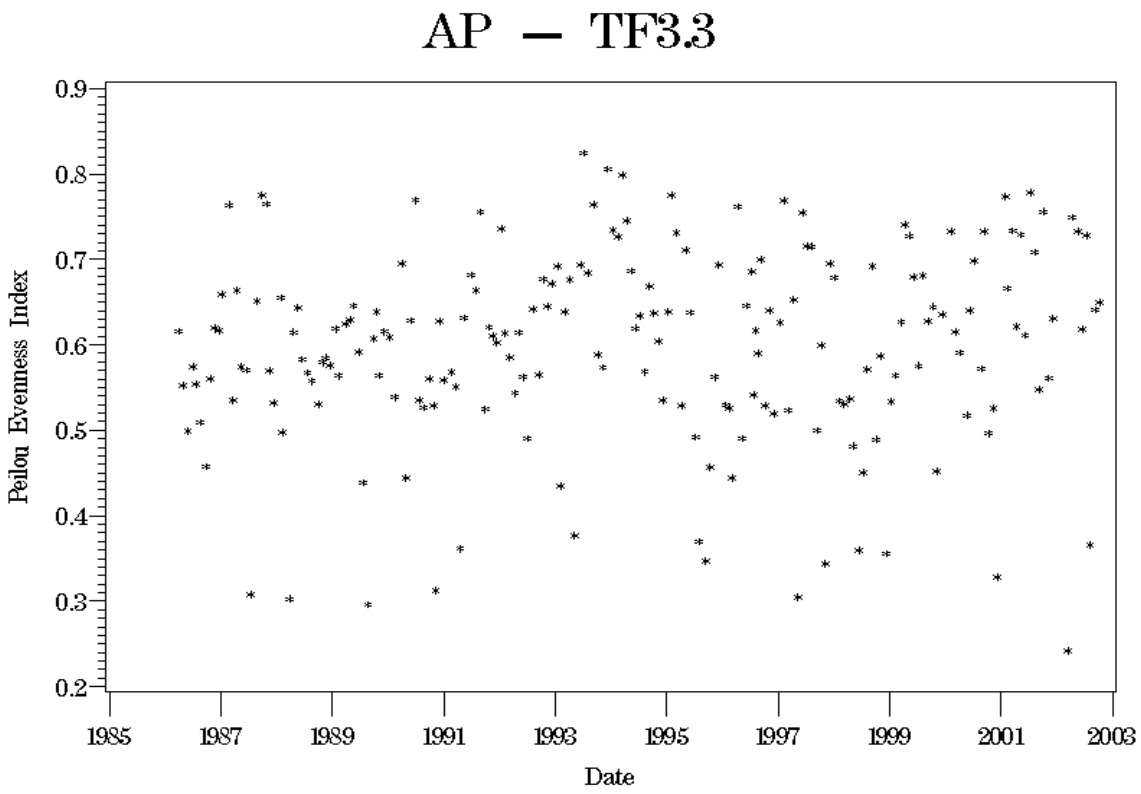

Figure F238. Plot of above pycnocline Pielou evenness index abundance at station TF3.3 for the period of 1985 through 2002.

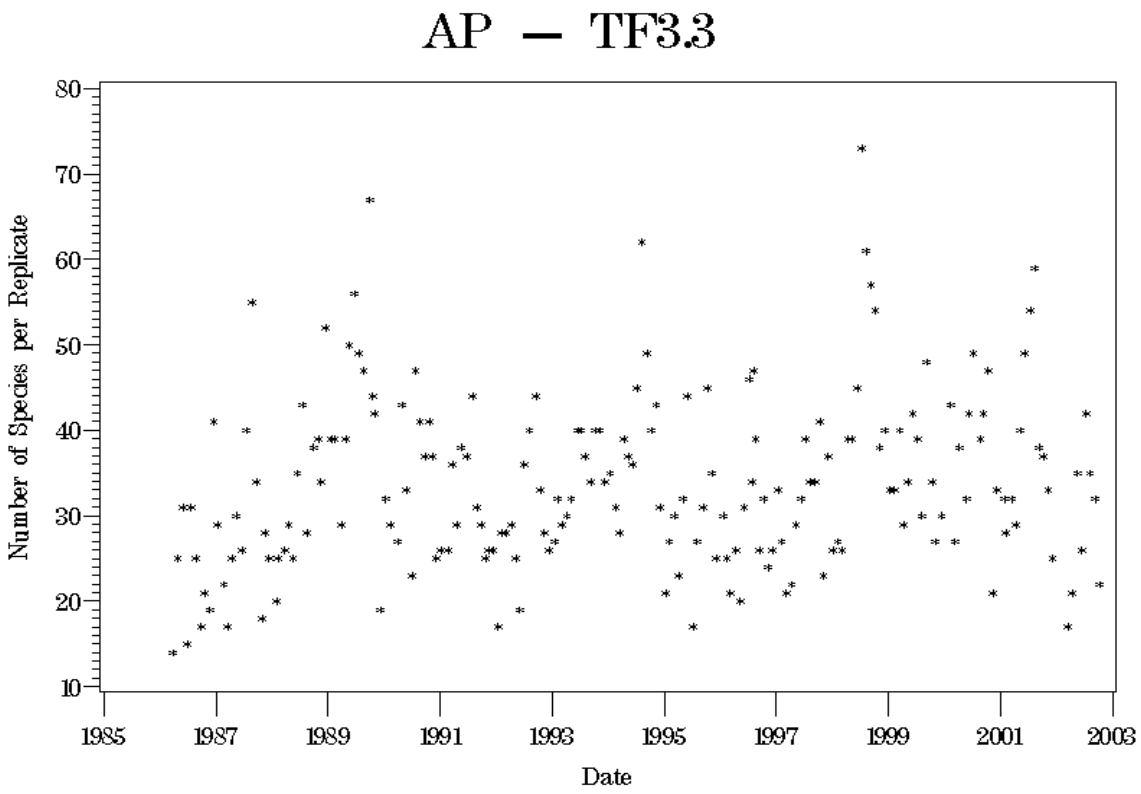

Figure F239. Plot of above pycnocline number of species per replicate at station TF3.3 for the period of 1985 through 2002.

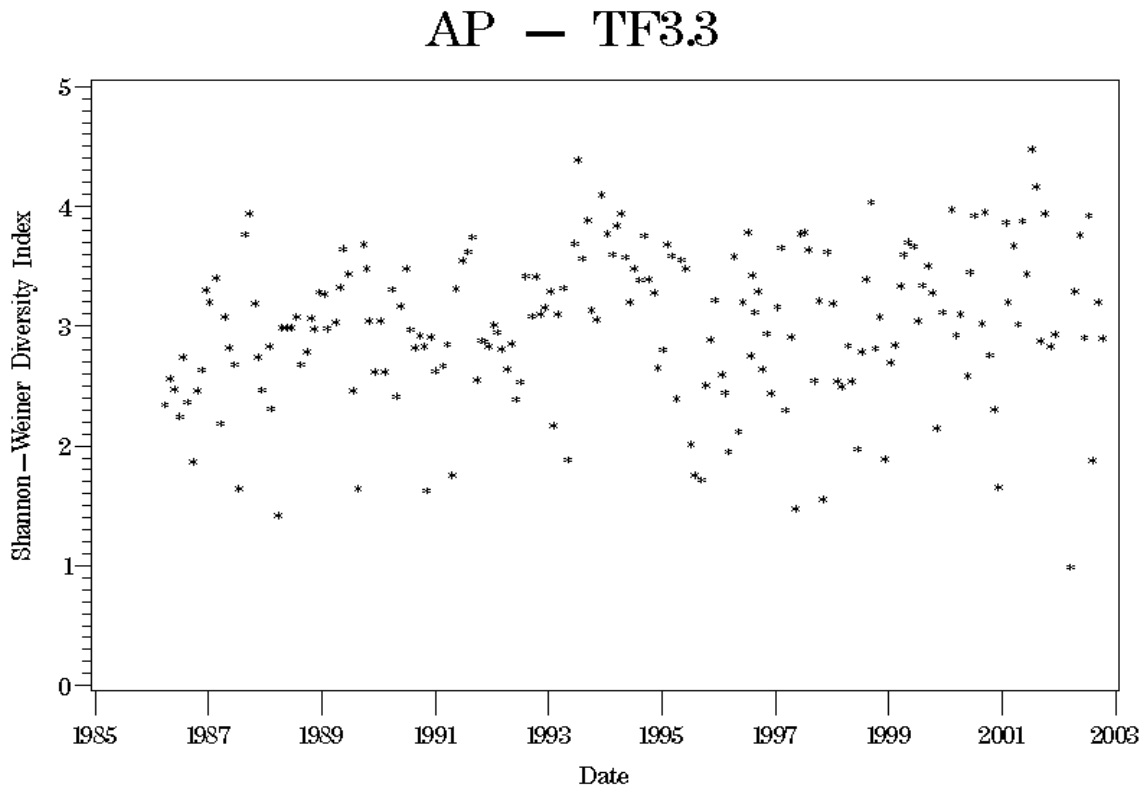

Figure F240. Plot of above pycnocline Shannon-Weiner Diversity index at station TF3.3 for the period of 1985 through 2002.

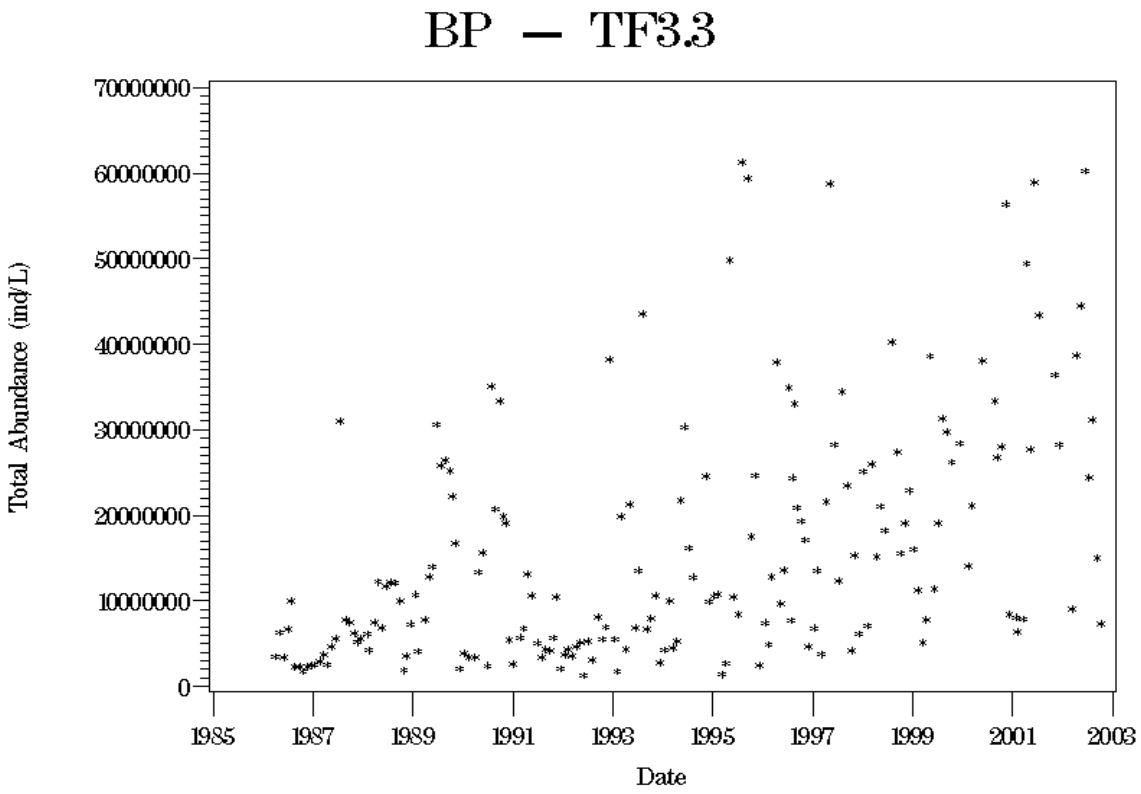

Figure F241. Plot of below pycnocline total phytoplankton abundance against time at station TF3.3 for the period of 1985 through 2002.

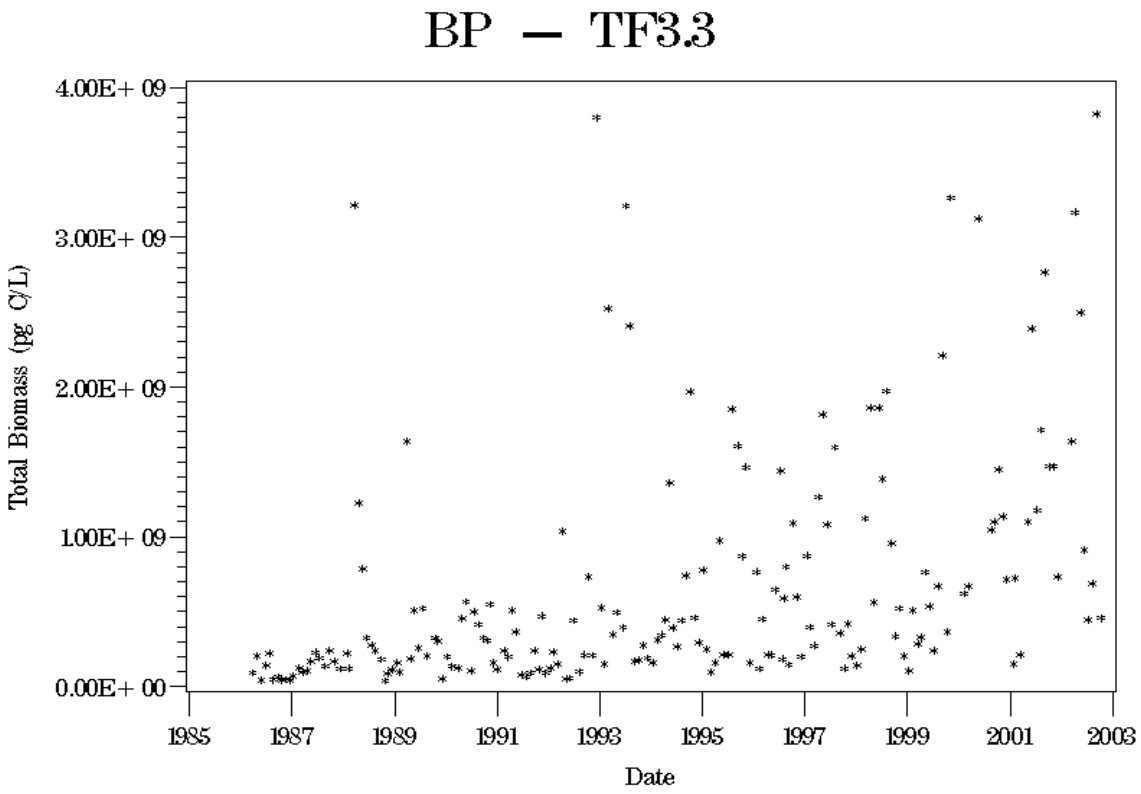

Figure F242. Plot of below pycnocline total phytoplankton biomass against time at station TF3.3 for the period of 1985 through 2002.

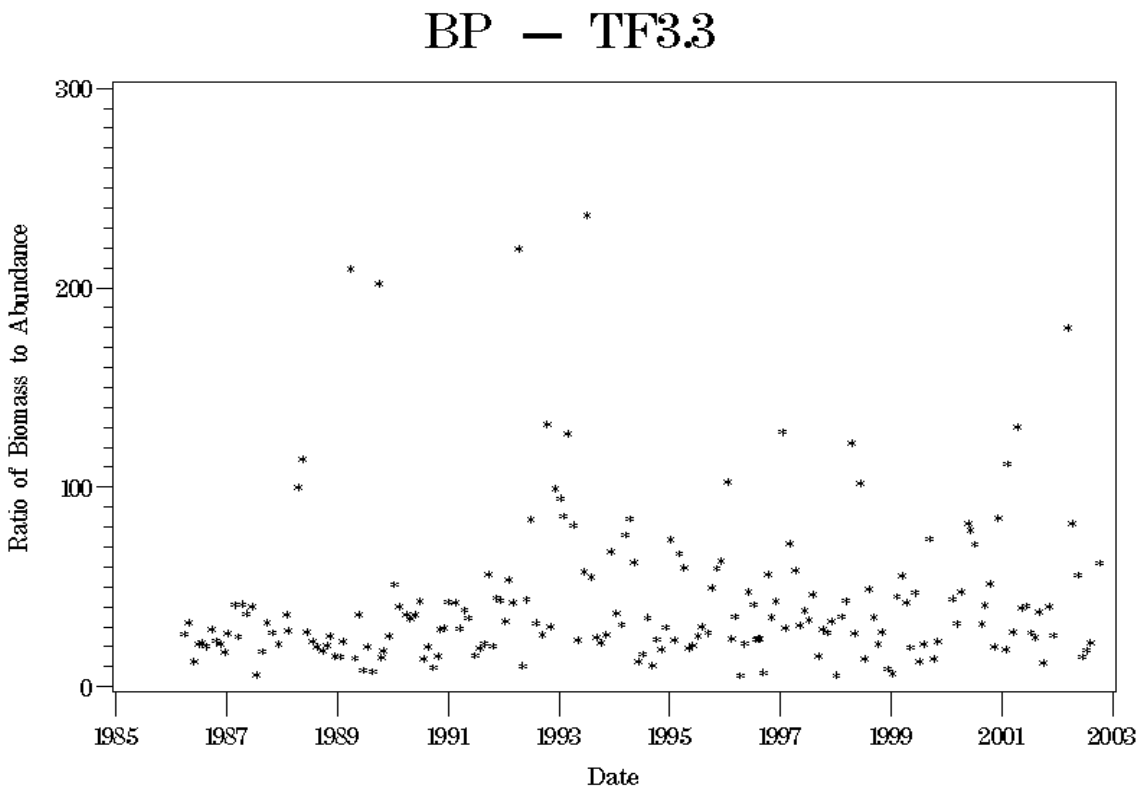

Figure F243. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station TF3.3 for the period of 1985 through 2002.

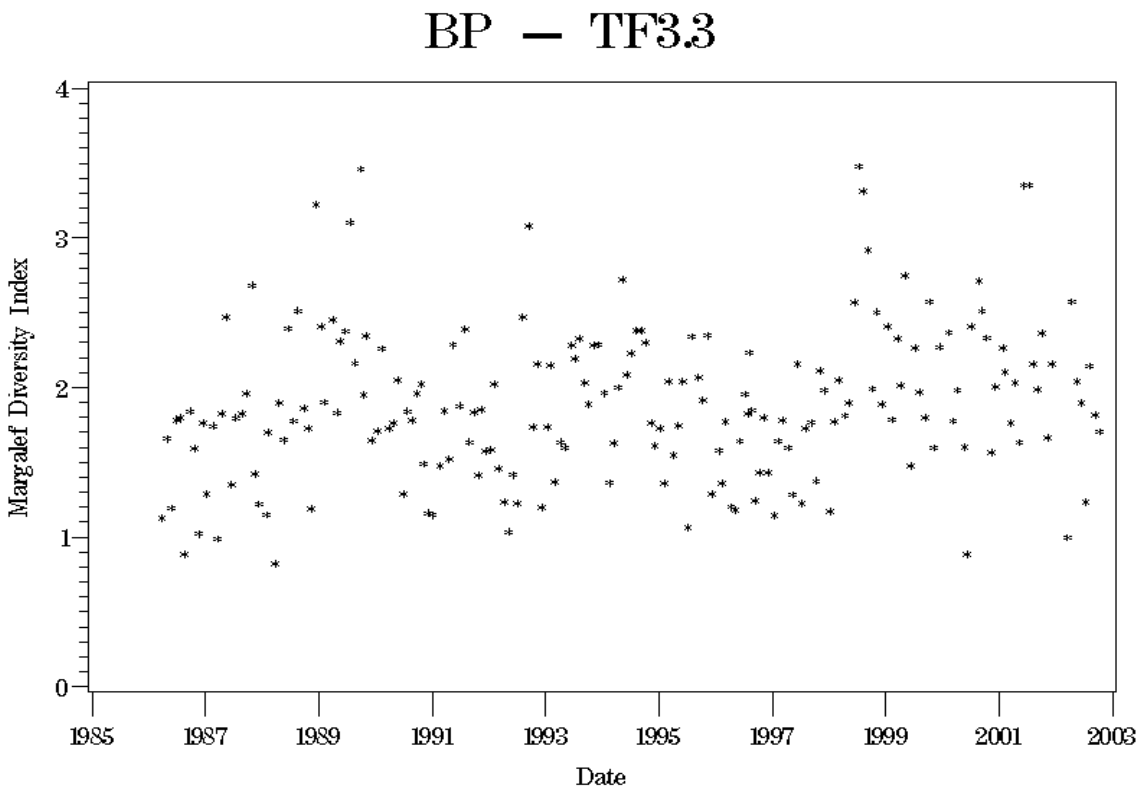

Figure F244. Plot of below pycnocline Margalef diversity index against time at station TF3.3 for the period of 1985 through 2002.

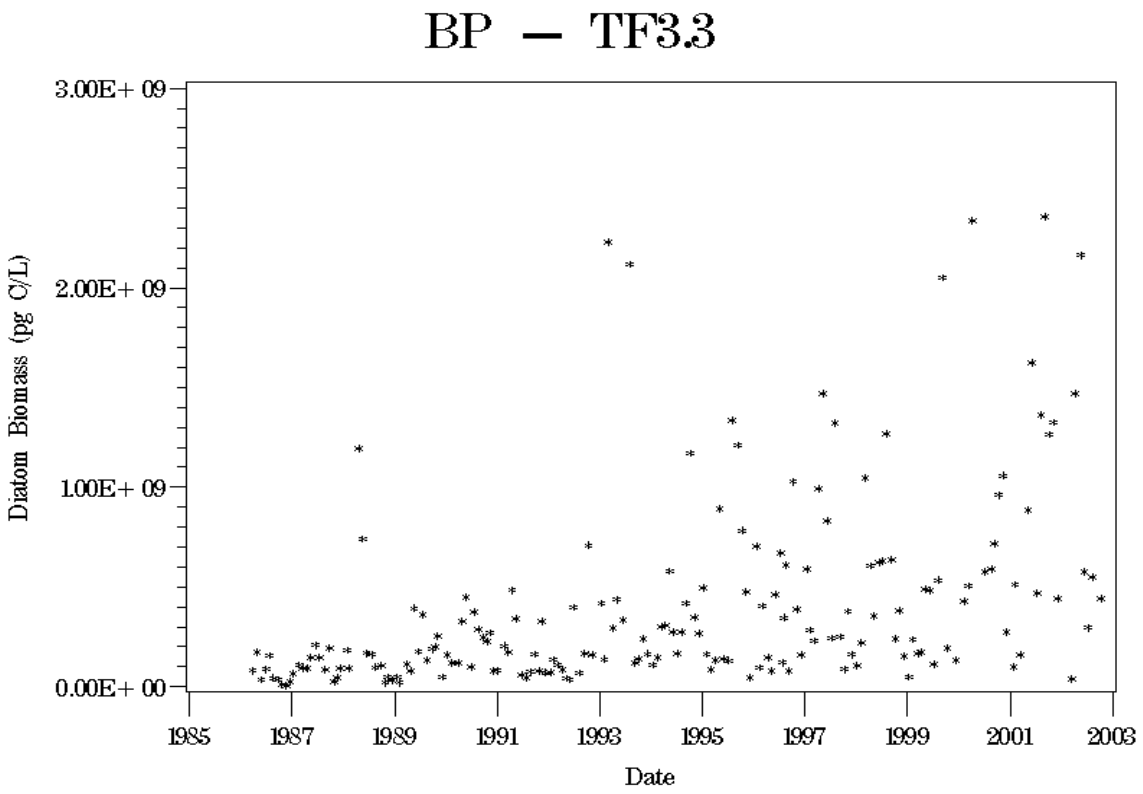

Figure F245. Plot of below pycnocline diatom biomass against time at station TF3.3 for the period of 1985 through 2002.

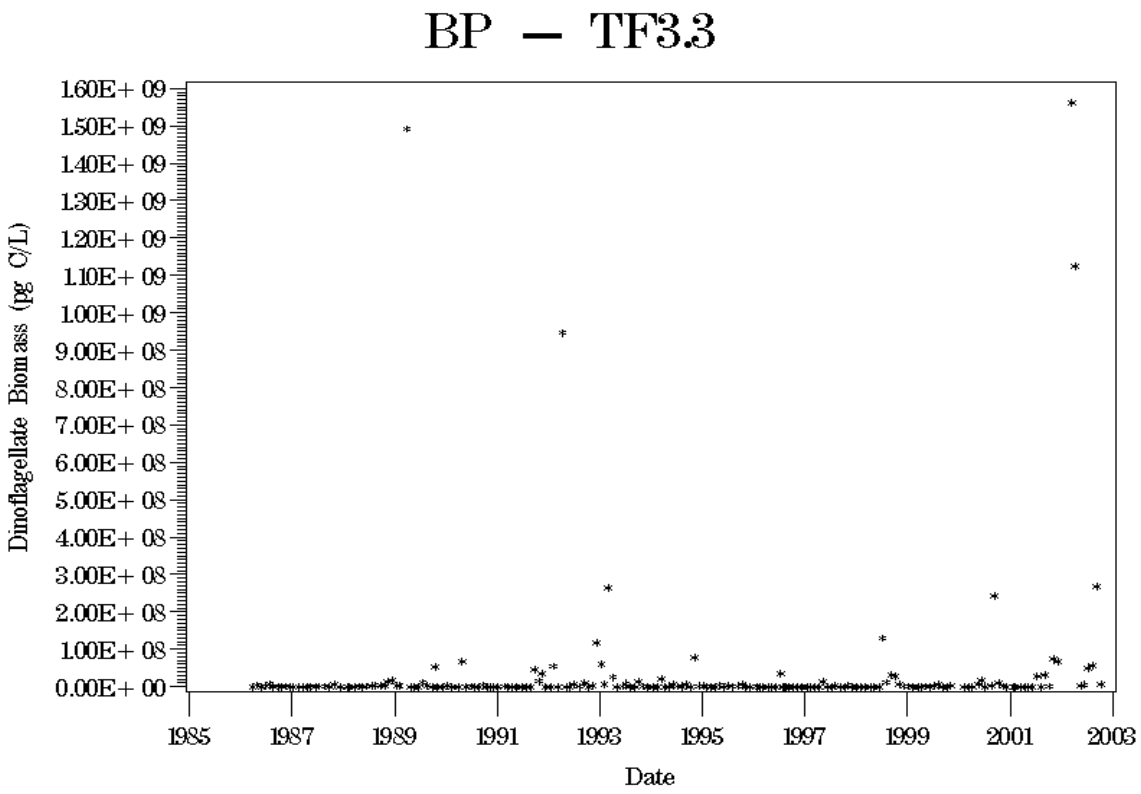

Figure F246. Plot of below pycnocline dinoflagellate biomass against time at station TF3.3 for the period of 1985 through 2002.

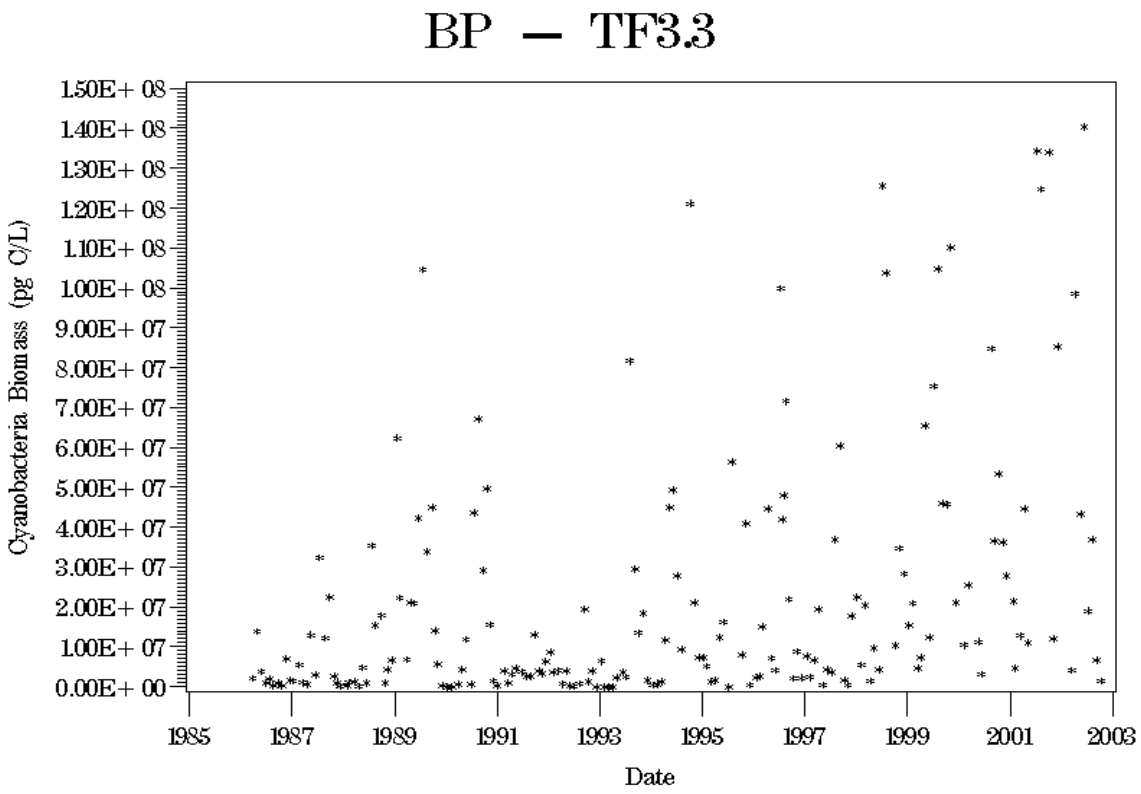

Figure F247. Plot of below pycnocline cyanobacteria biomass against time at station TF3.3 for the period of 1985 through 2002.

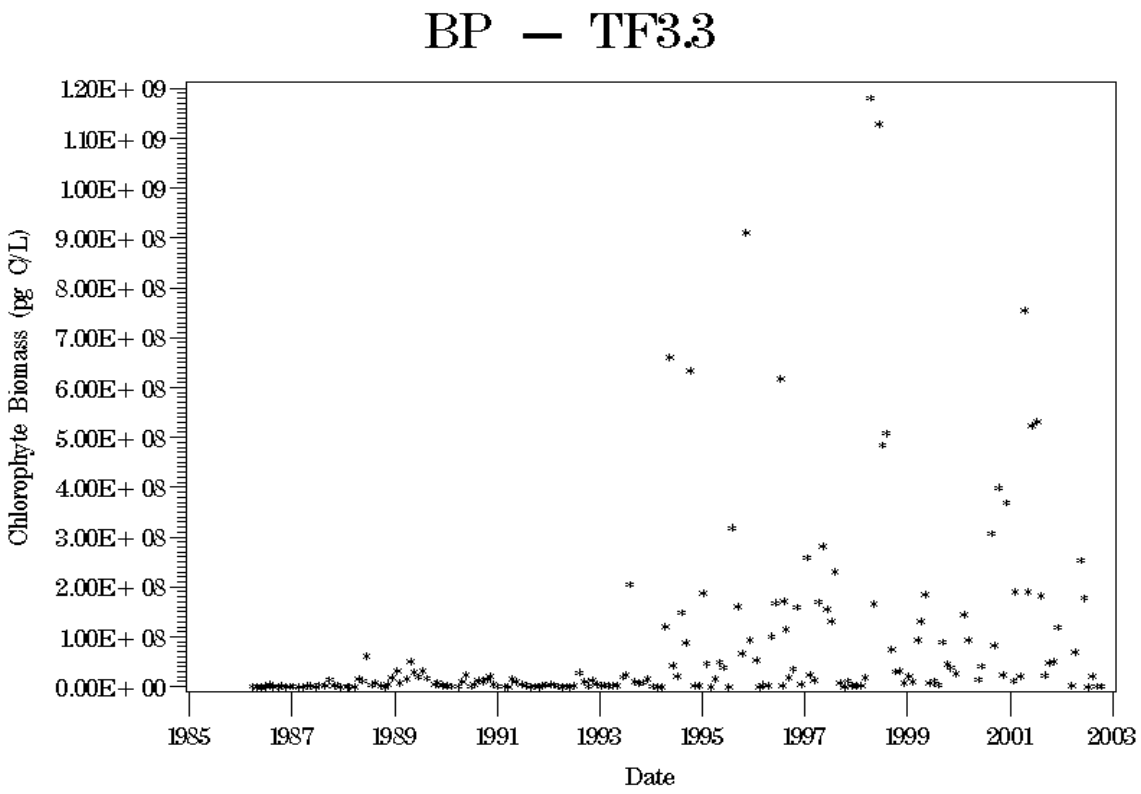

Figure F248. Plot of below pycnocline chlorophyte biomass against time at station TF3.3 for the period of 1985 through 2002.

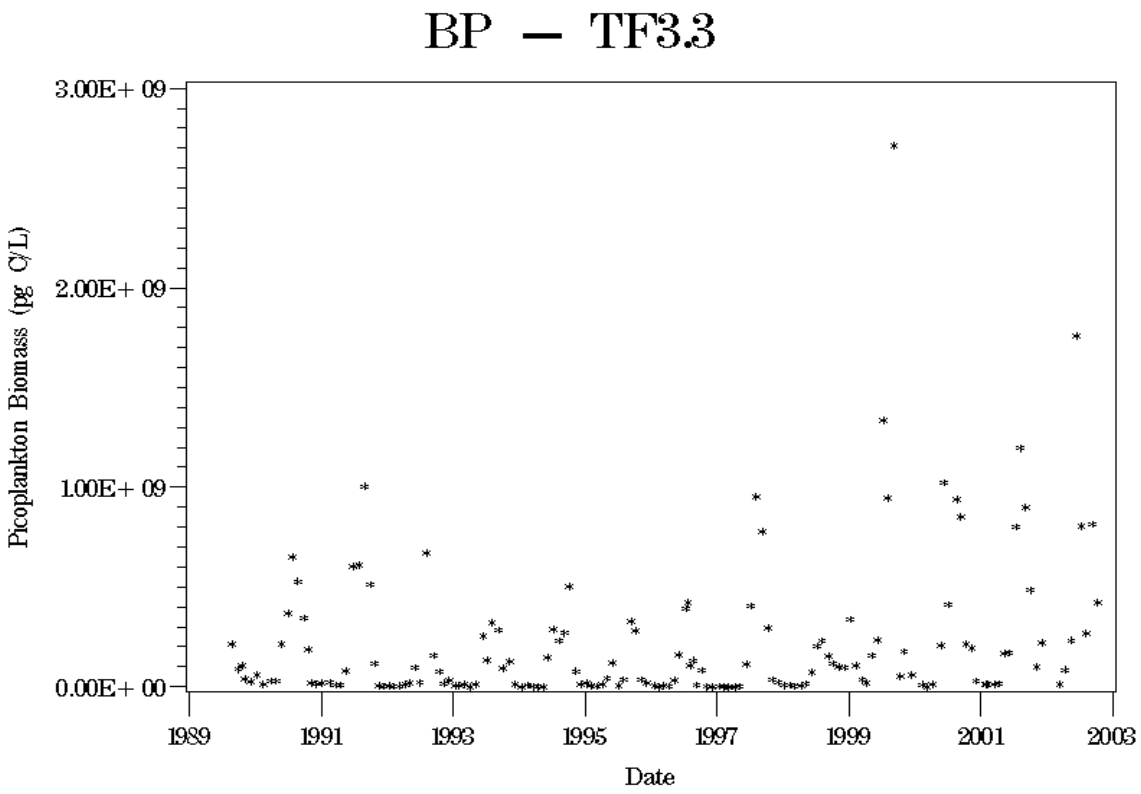

Figure F249. Plot of below pycnocline picoplankton biomass against time at station TF3.3 for the period of 1985 through 2002.

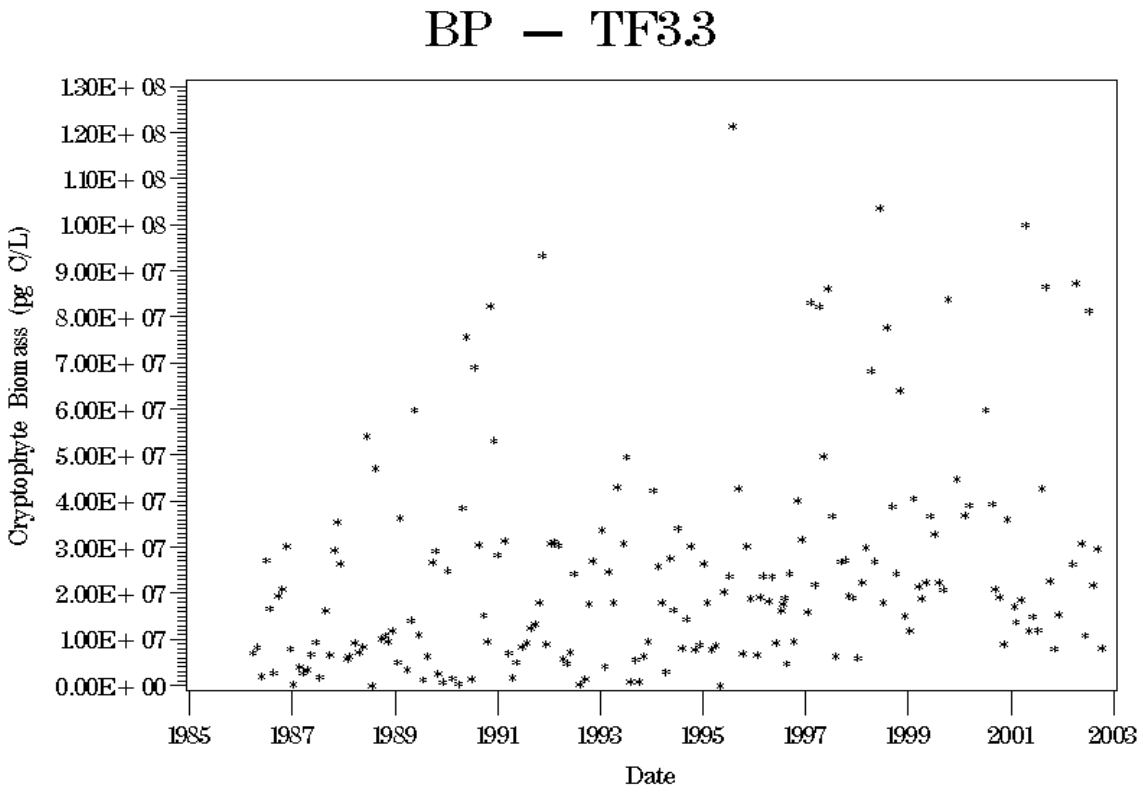

Figure F250. Plot of below pycnocline cryptophyte biomass at station TF3.3 for the period of 1985 through 2002.

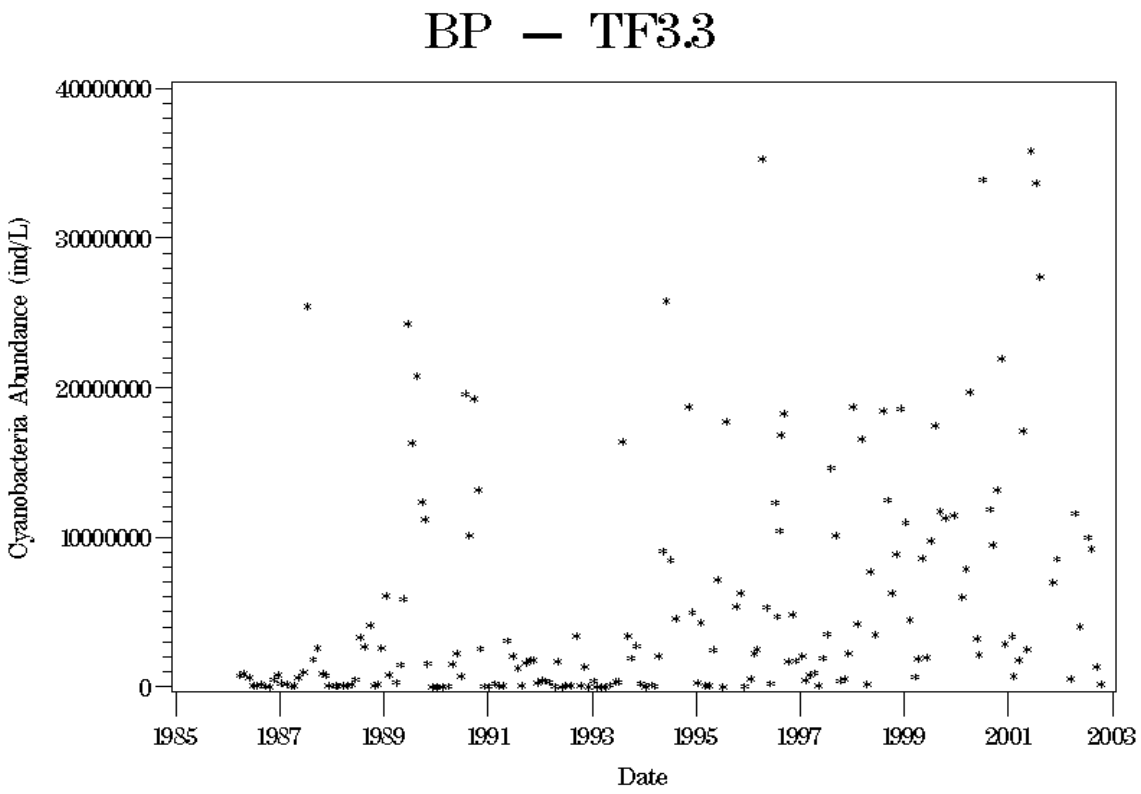

Figure F251. Plot of below pycnocline cyanophyte abundance at station TF3.3 for the period of 1985 through 2002.

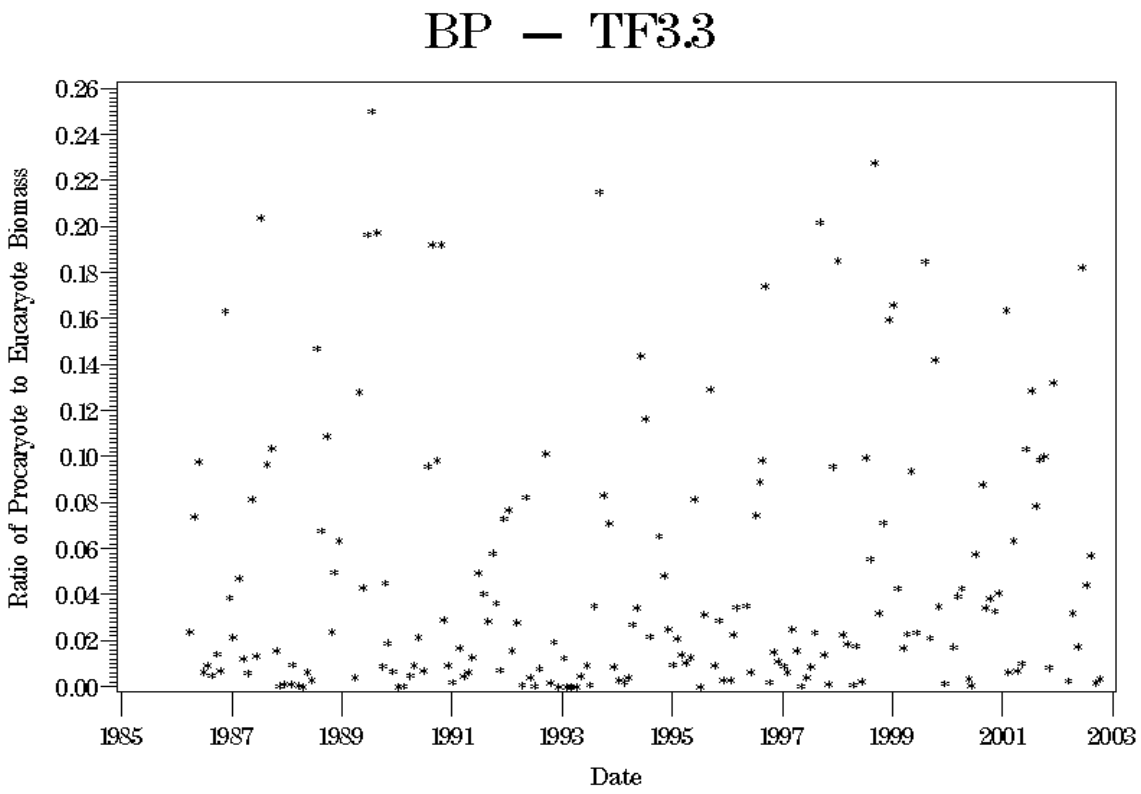

Figure F252. Plot of below pycnocline ratio of procaryote to eucaryote biomass at station TF3.3 for the period of 1985 through 2002.

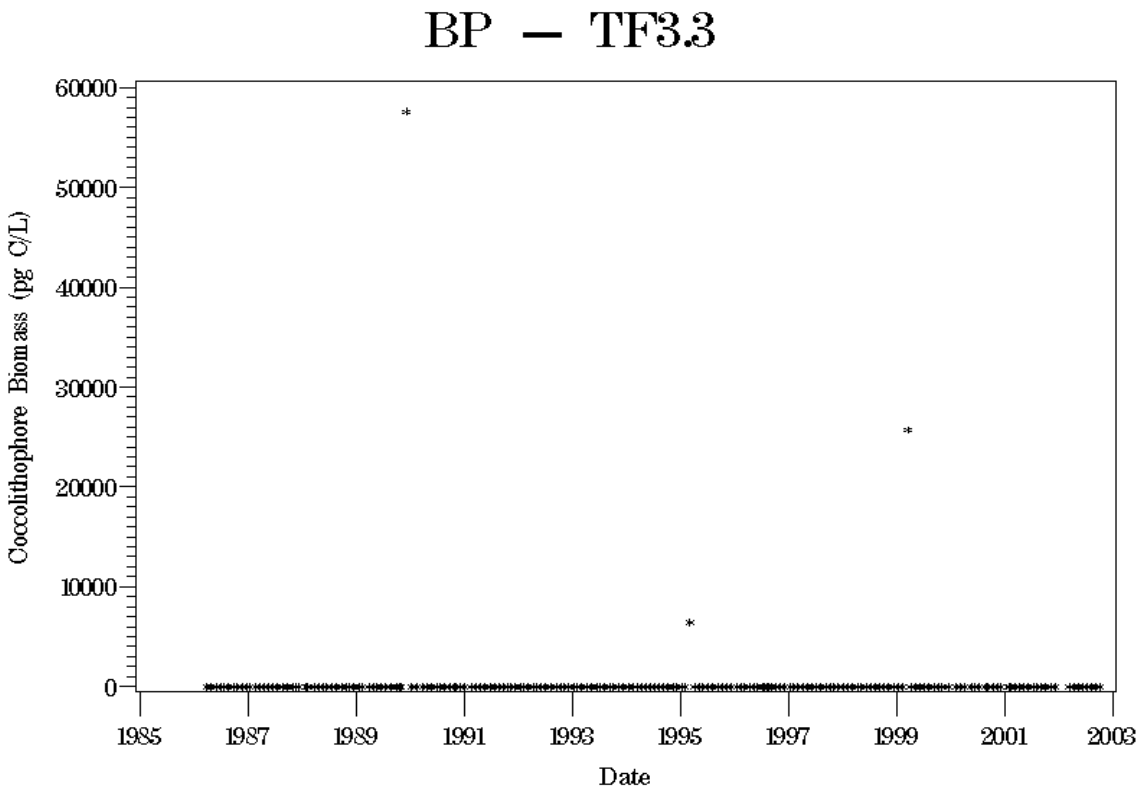

Figure F253. Plot of below pycnocline coccolithophore biomass at station TF3.3 for the period of 1985 through 2002.

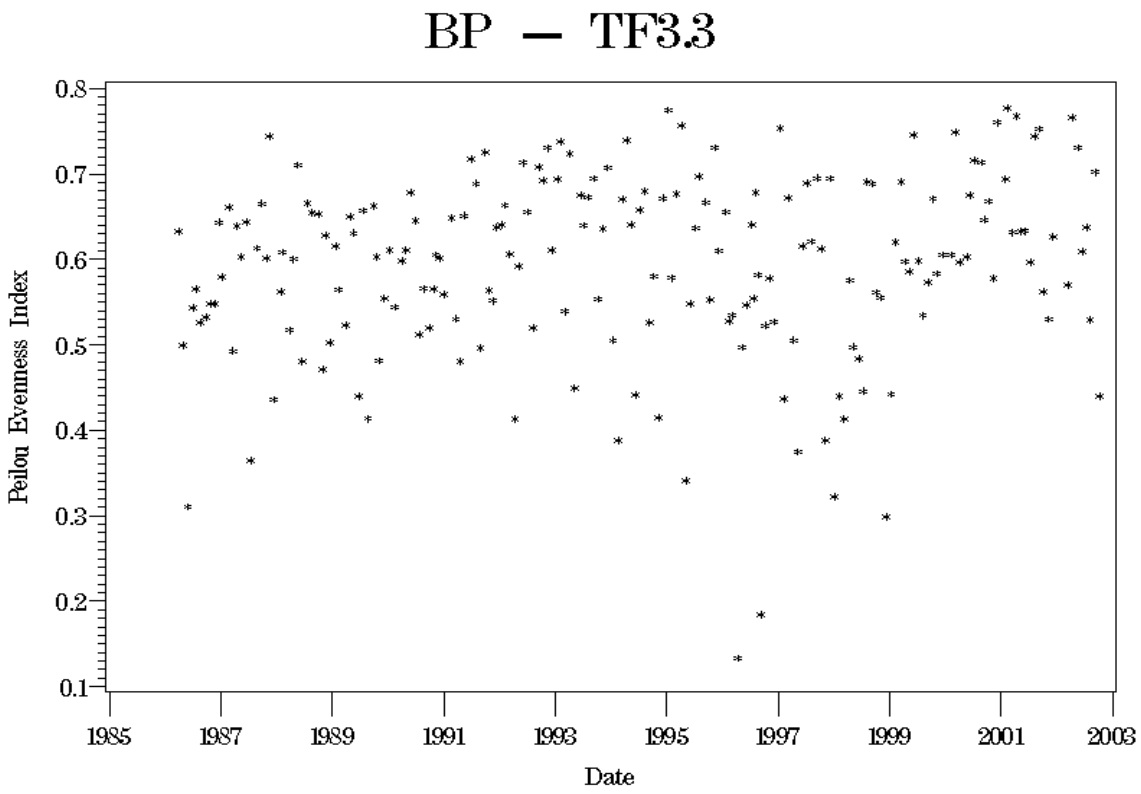

Figure F254. Plot of below pycnocline Pielou evenness index at station TF3.3 for the period of 1985 through 2002.

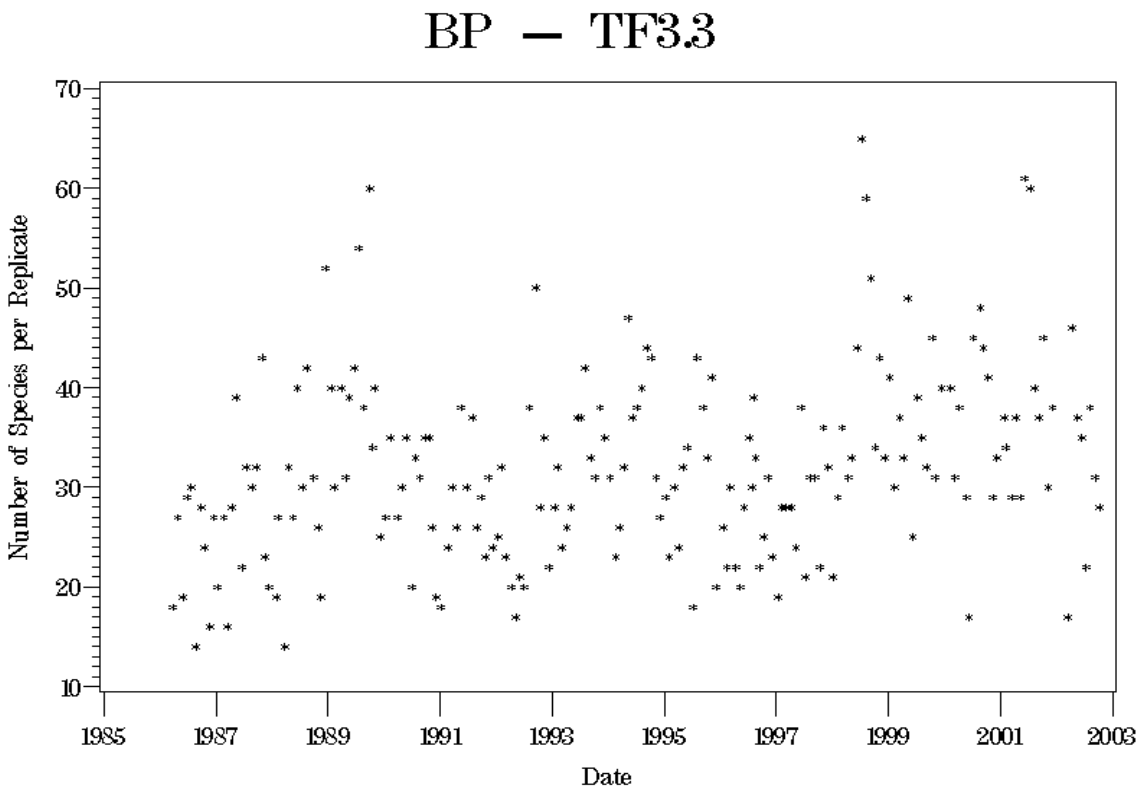

Figure F255. Plot of below pycnocline number of species per replicate at station TF3.3 for the period of 1985 through 2002.

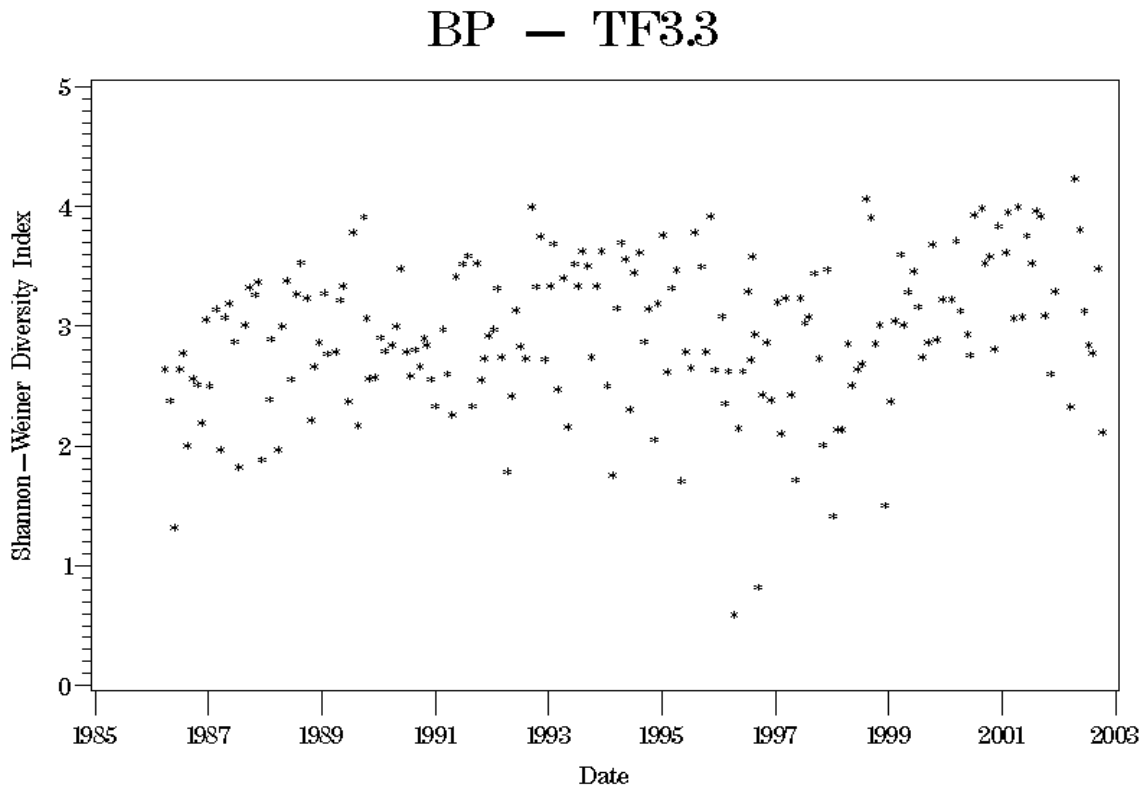

Figure F256. Plot of below pycnocline Shannon-Weiner Diversity index at station TF3.3 for the period of 1985 through 2002.

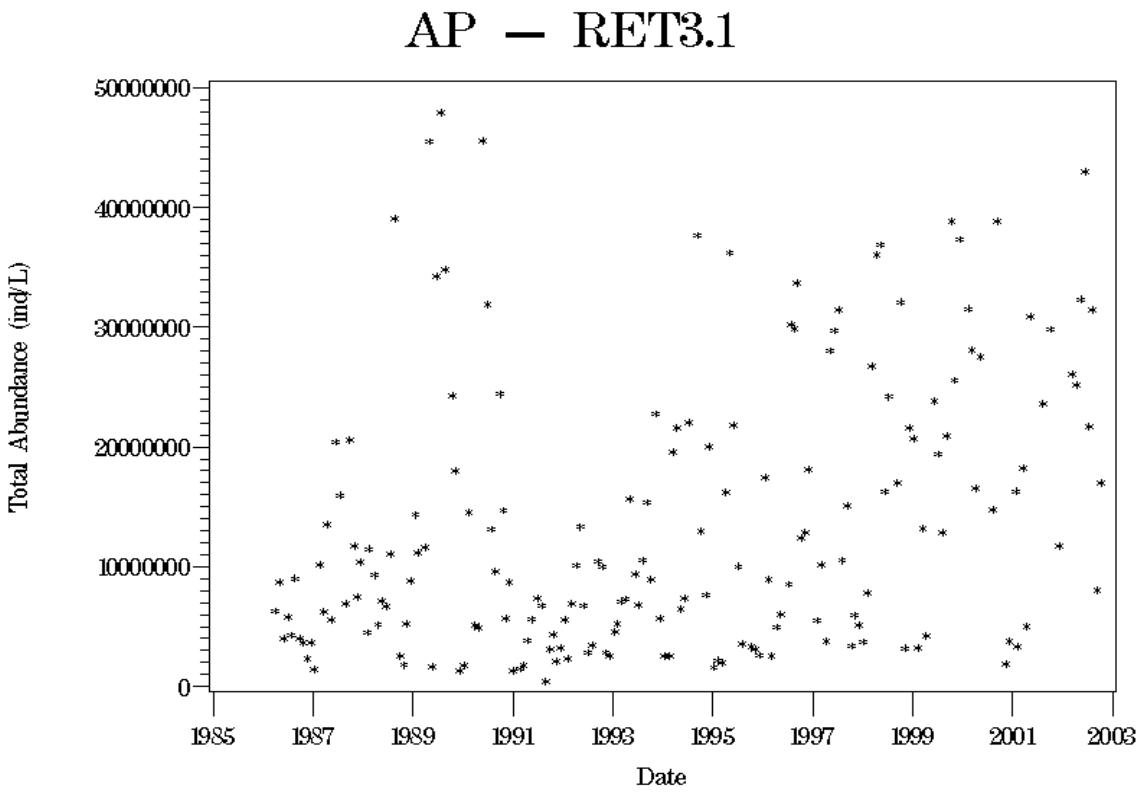

Figure F257. Plot of above pycnocline total phytoplankton abundance against time at station RET3.1 for the period of 1985 through 2002.

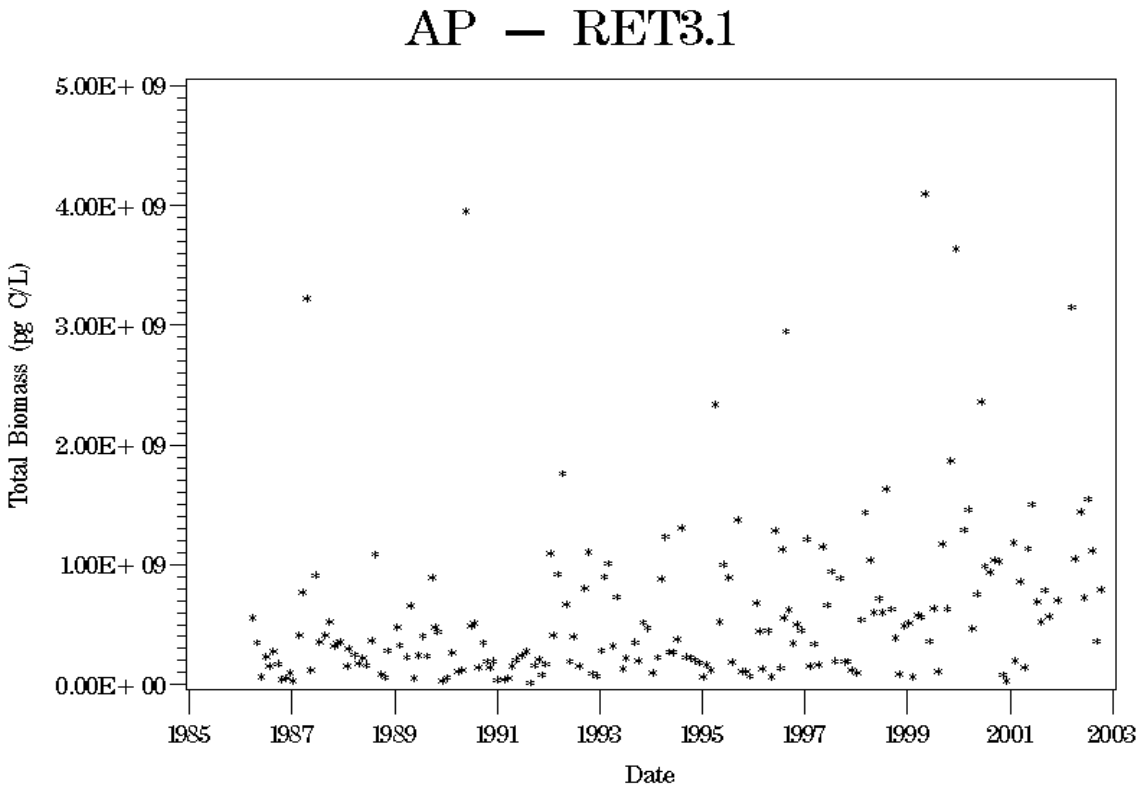

Figure F258. Plot of above pycnocline total phytoplankton biomass against time at station RET3.1 for the period of 1985 through 2002.

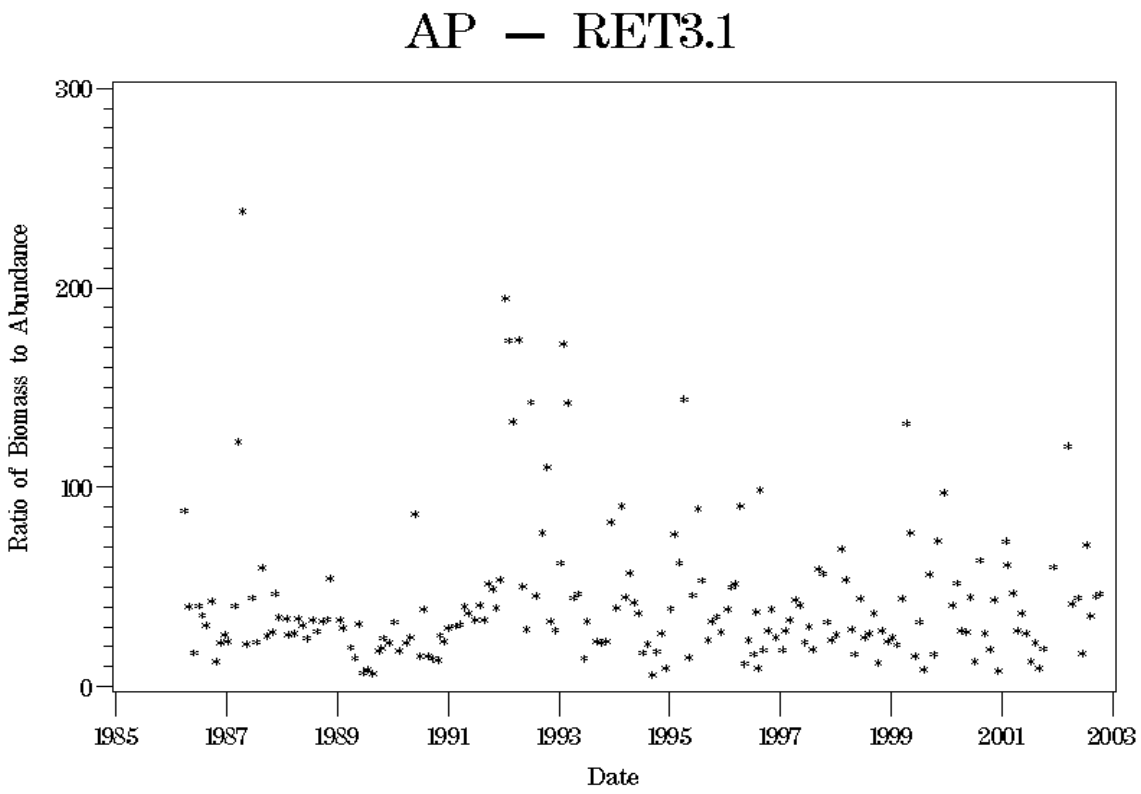

Figure F259. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station RET3.1 for the period of 1985 through 2002.

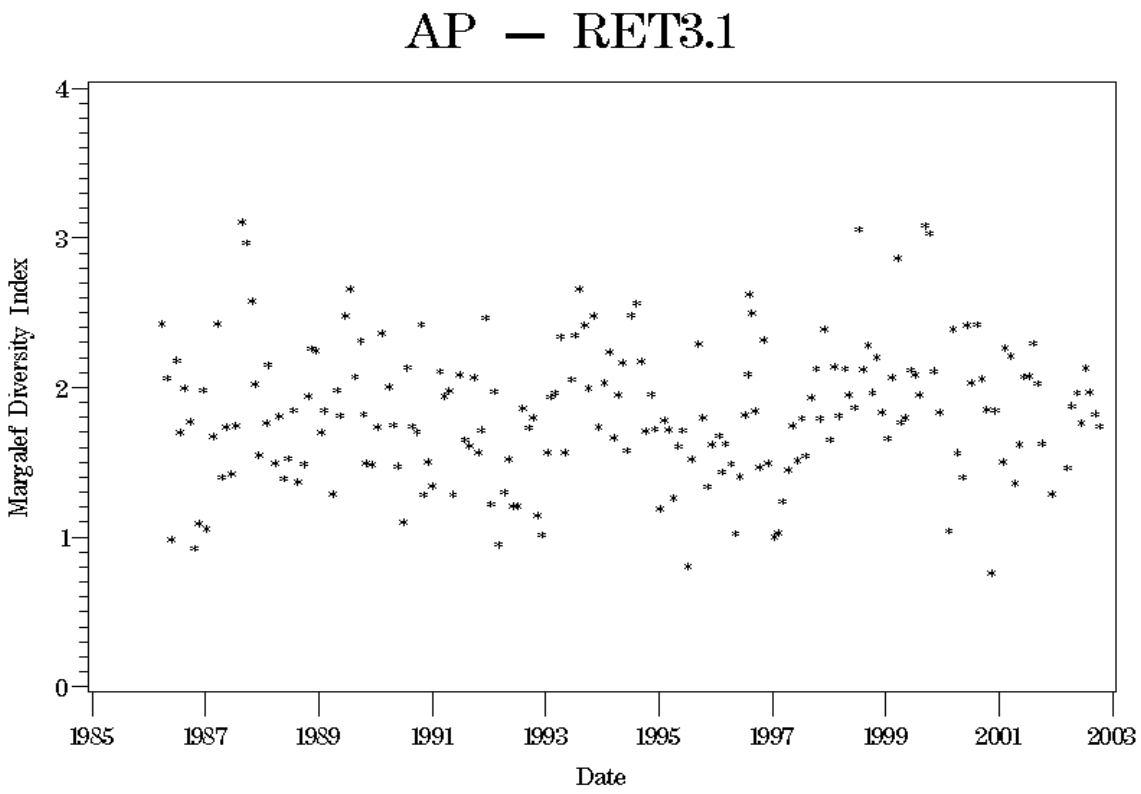

Figure F260. Plot of above pycnocline Margalef diversity index against time at station RET3.1 for the period of 1985 through 2002.

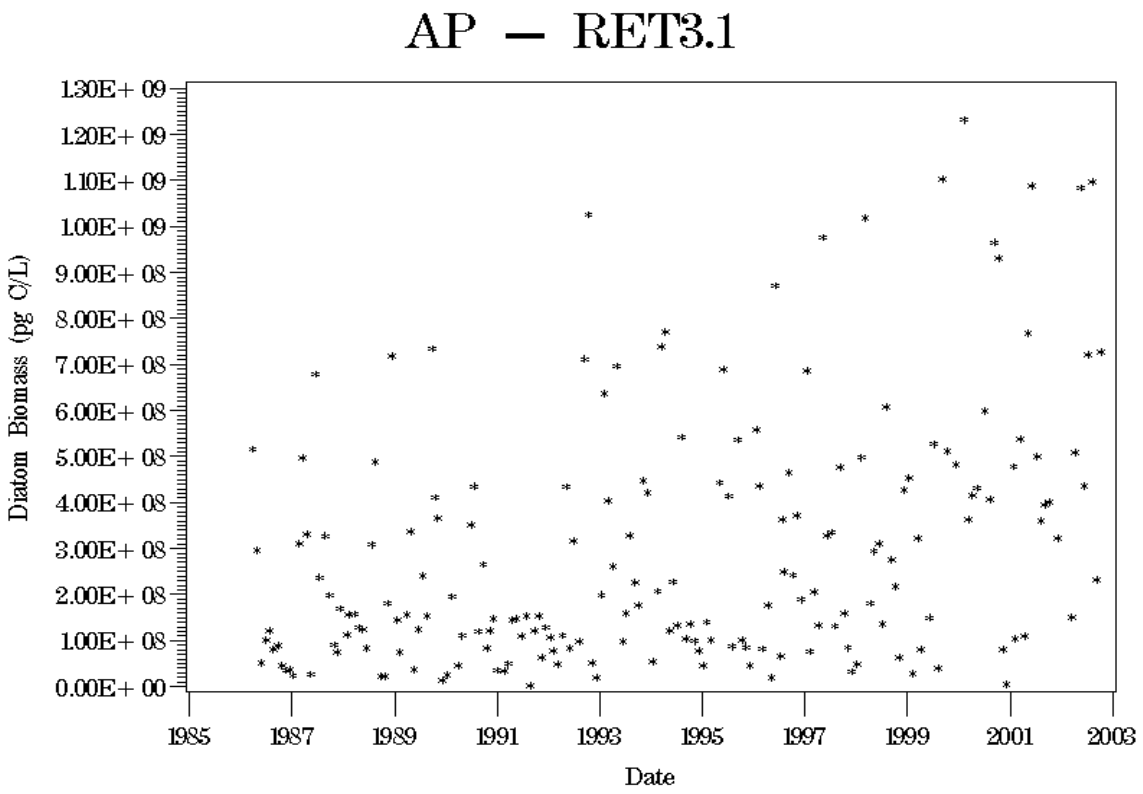

Figure F261. Plot of above pycnocline diatom biomass against time at station RET3.1 for the period of 1985 through 2002.

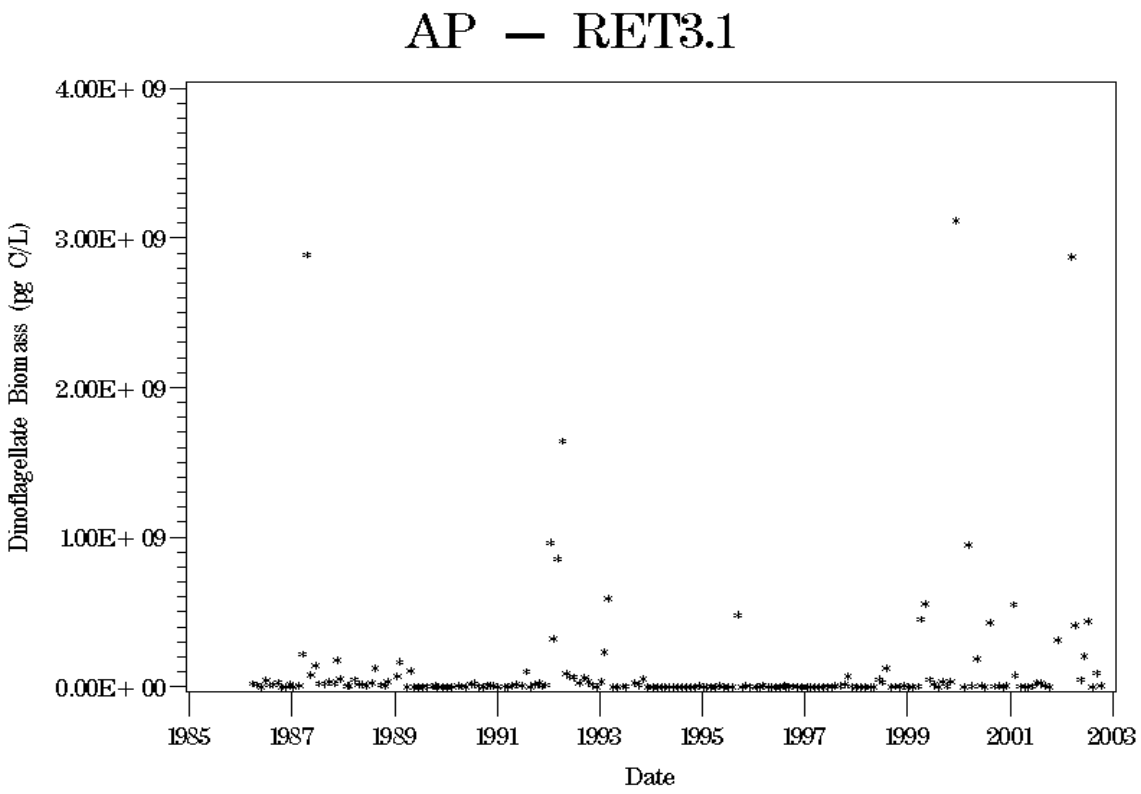

Figure F262. Plot of above pycnocline dinoflagellate biomass against time at station RET3.1 for the period of 1985 through 2002.

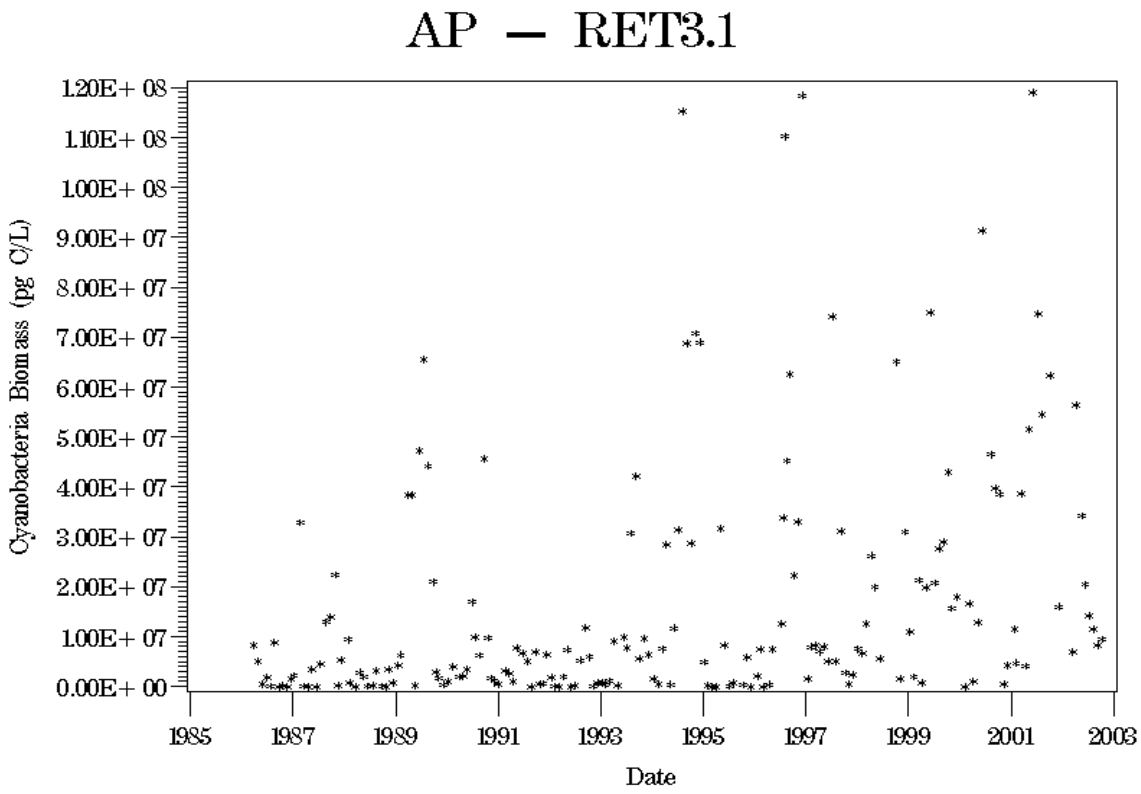

Figure F263. Plot of above pycnocline cyanobacteria biomass against time at station RET3.1 for the period of 1985 through 2002.

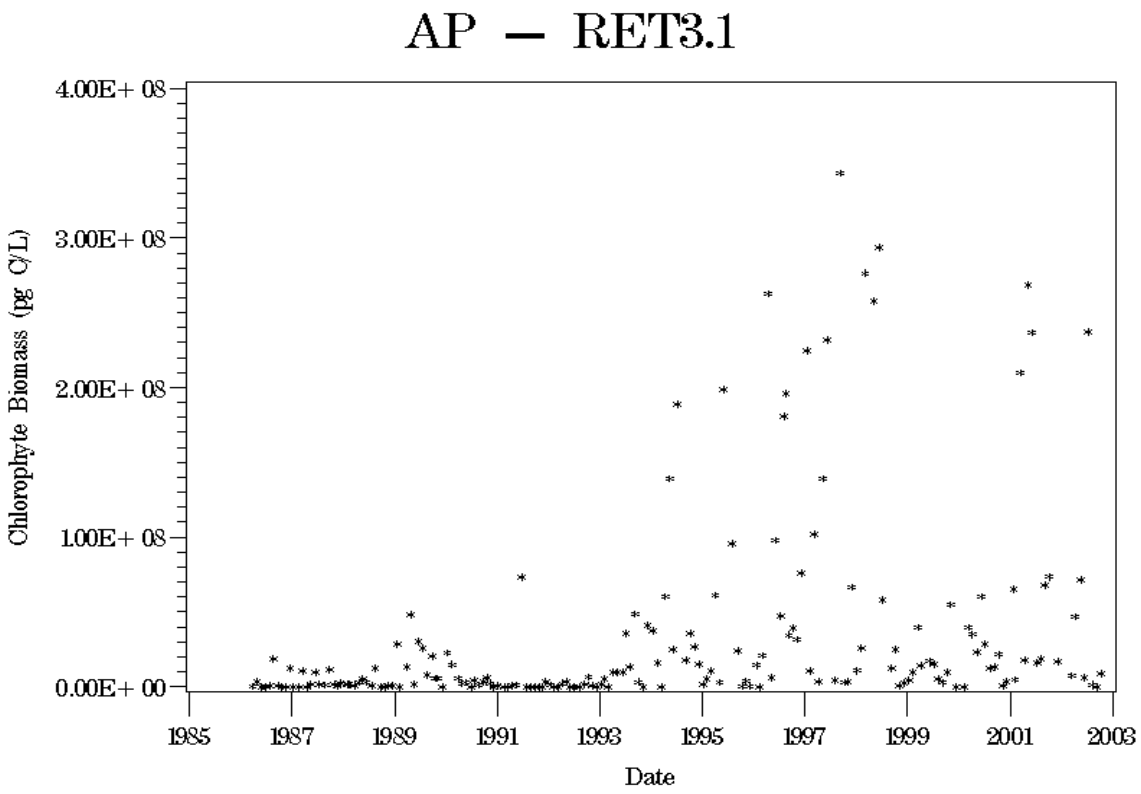

Figure F264. Plot of above pycnocline chlorophyte biomass against time at station RET3.1 for the period of 1985 through 2002.

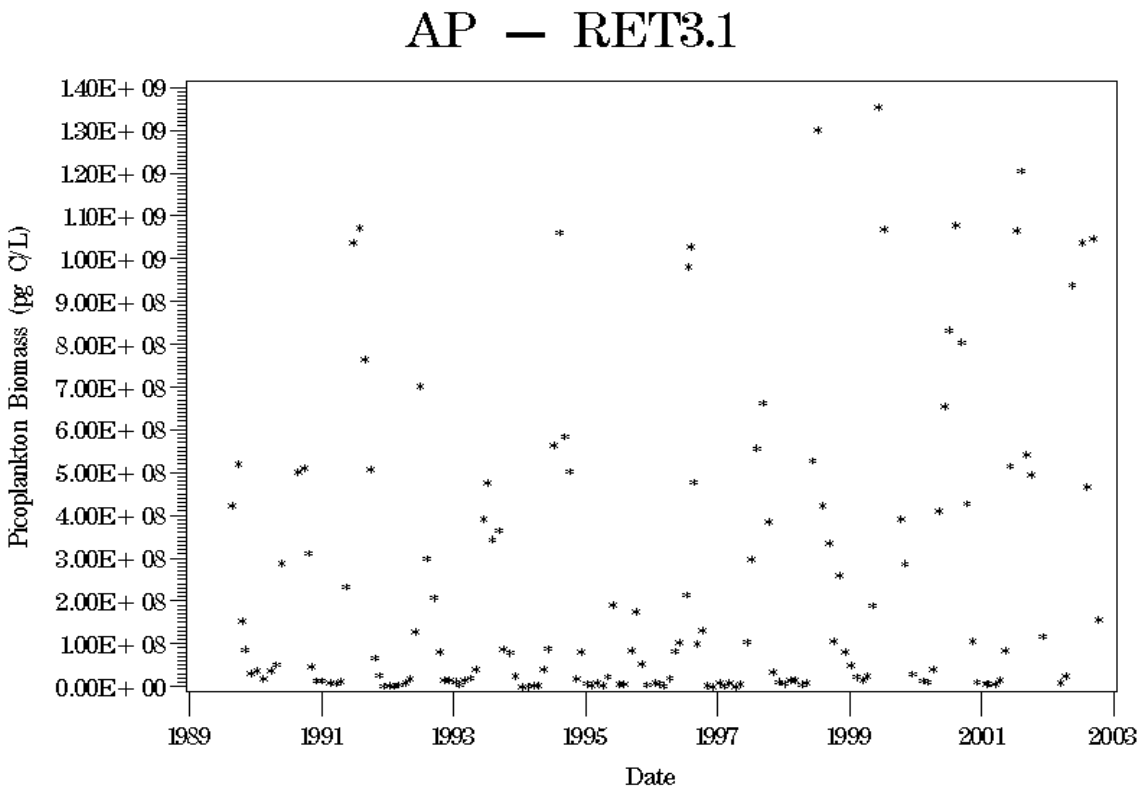

Figure F265. Plot of above pycnocline picoplankton biomass against time at station RET3.1 for the period of 1985 through 2002.

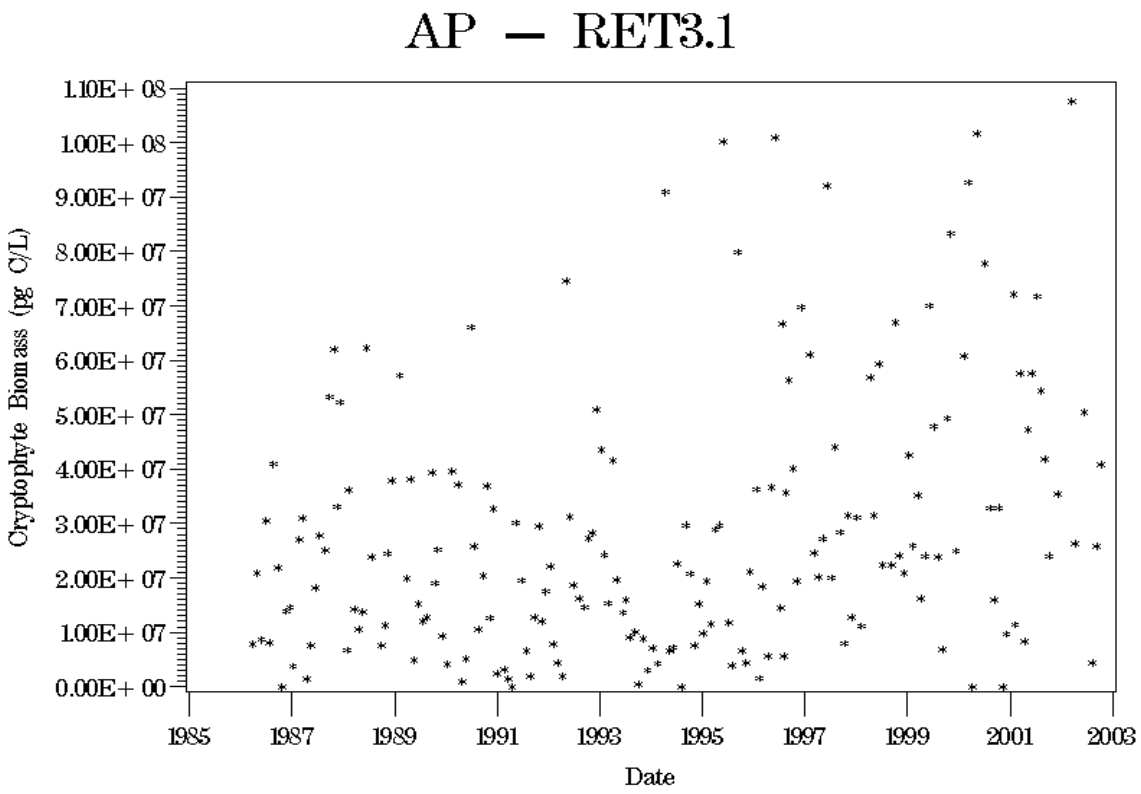

Figure F266. Plot of above pycnocline cryptophyte biomass at station RET3.1 for the period of 1985 through 2002.

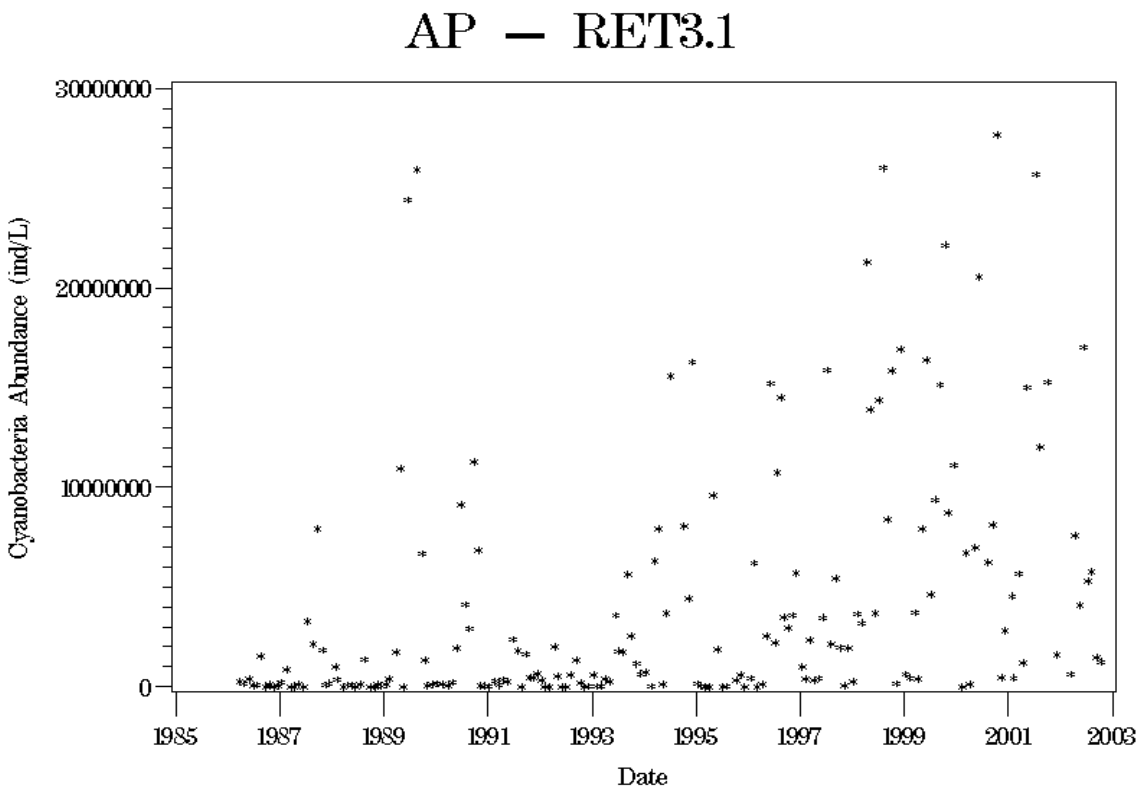

Figure F267. Plot of above pycnocline cyanobacteria abundance at station RET3.1 for the period of 1985 through 2002.

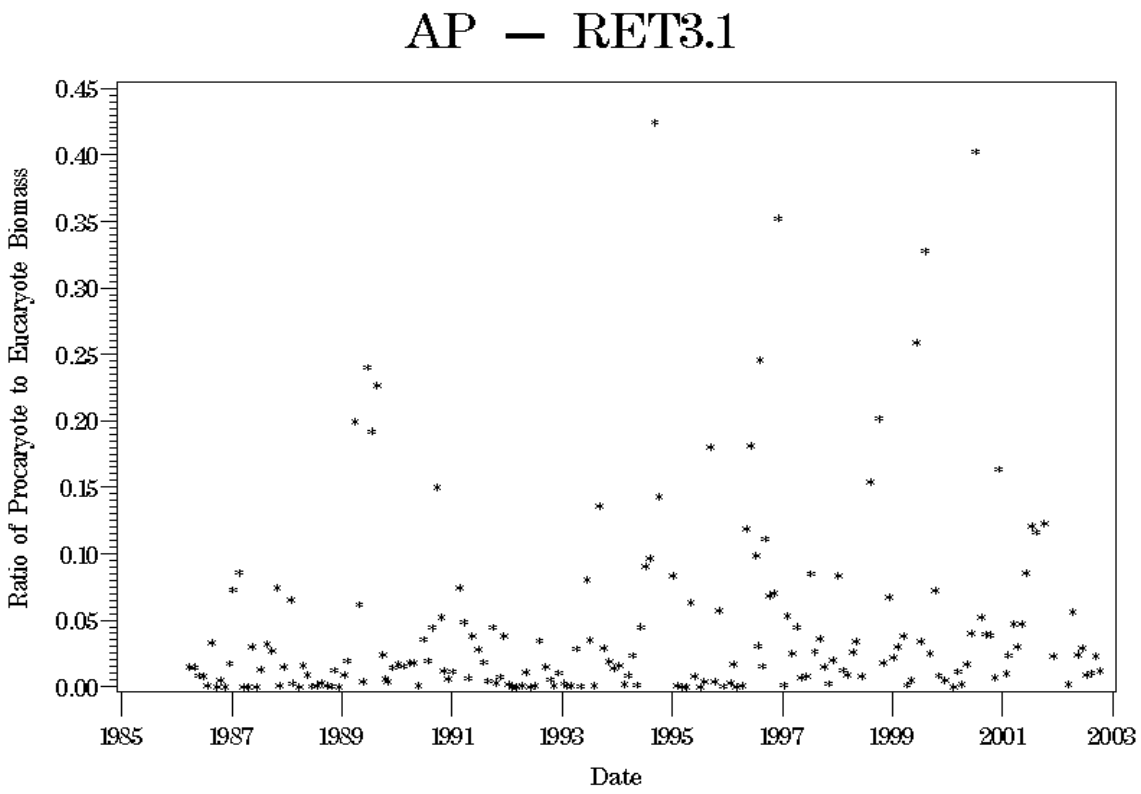

Figure F268. Plot of above pycnocline ratio of procaryote to eucaryote biomass at station RET3.1 for the period of 1985 through 2002.

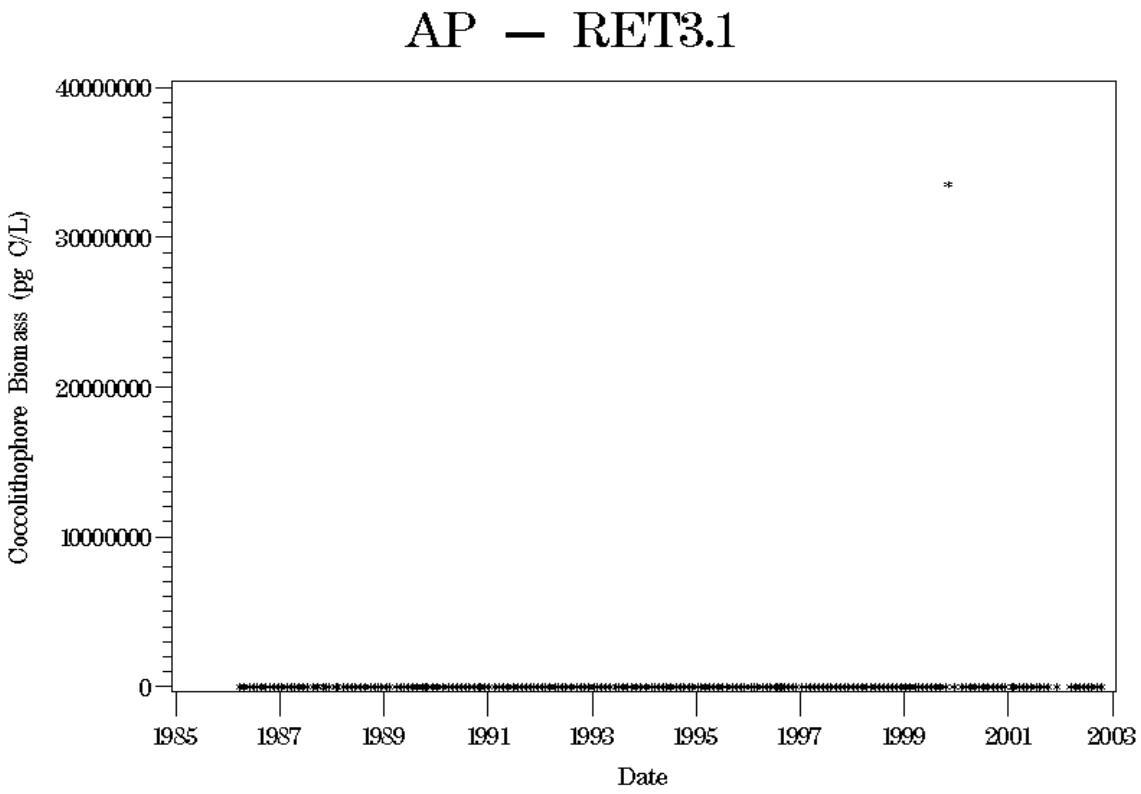

Figure F269. Plot of above pycnocline coccolithophore biomass at station RET3.1 for the period of 1985 through 2002.

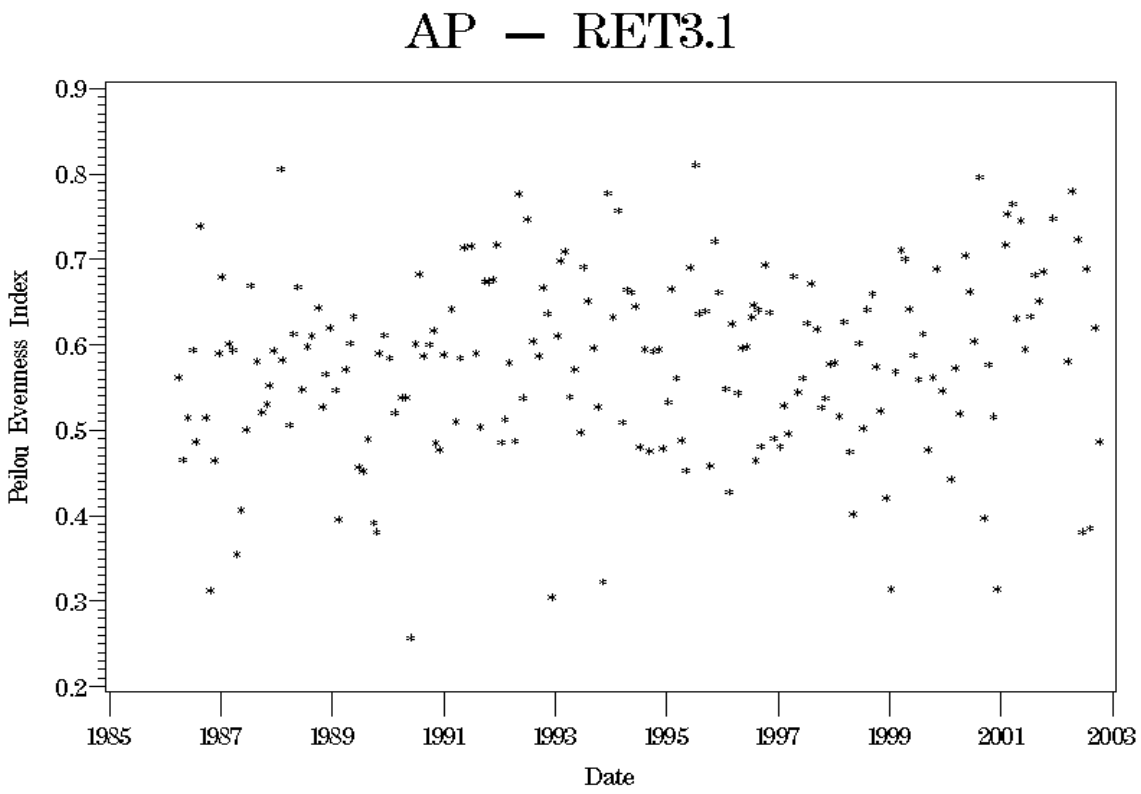

Figure F270. Plot of above pycnocline Pielou evenness index at station RET3.1 for the period of 1985 through 2002.

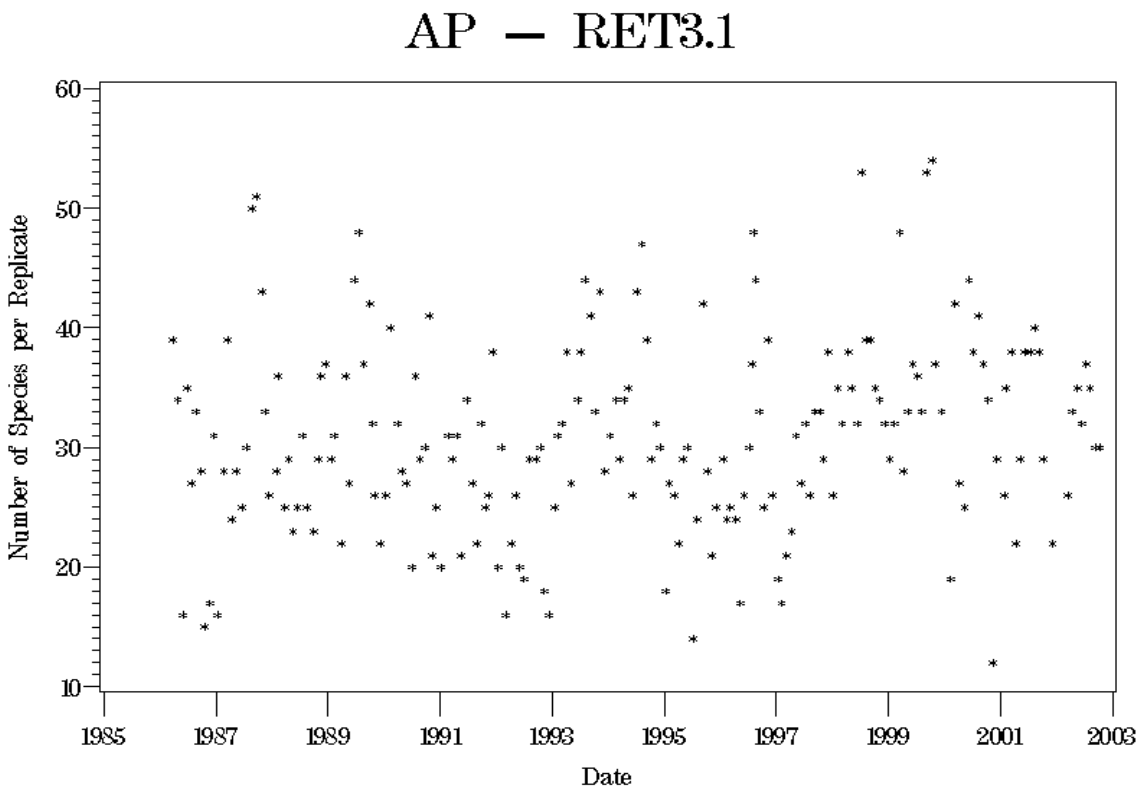

Figure F271. Plot of above pycnocline number of species per replicate at station RET3.1 for the period of 1985 through 2002.

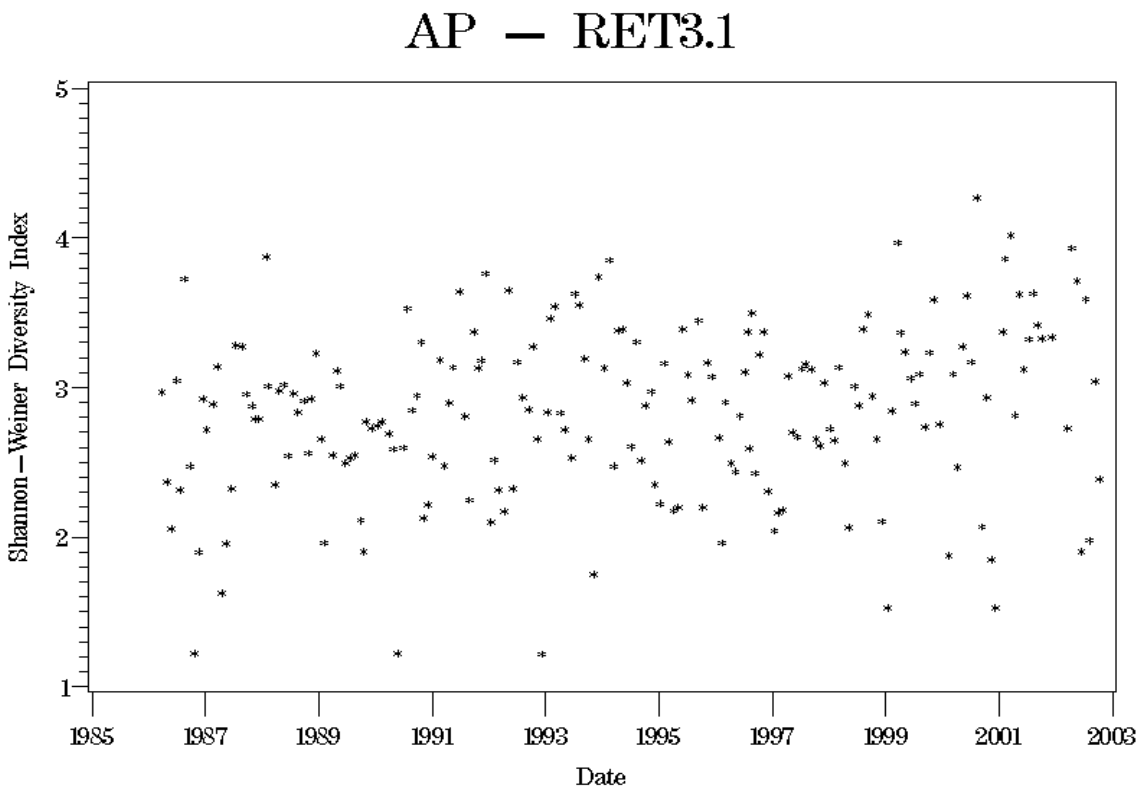

Figure F272. Plot of above pycnocline Shannon-Weiner Diversity index at station RET3.1 for the period of 1985 through 2002.

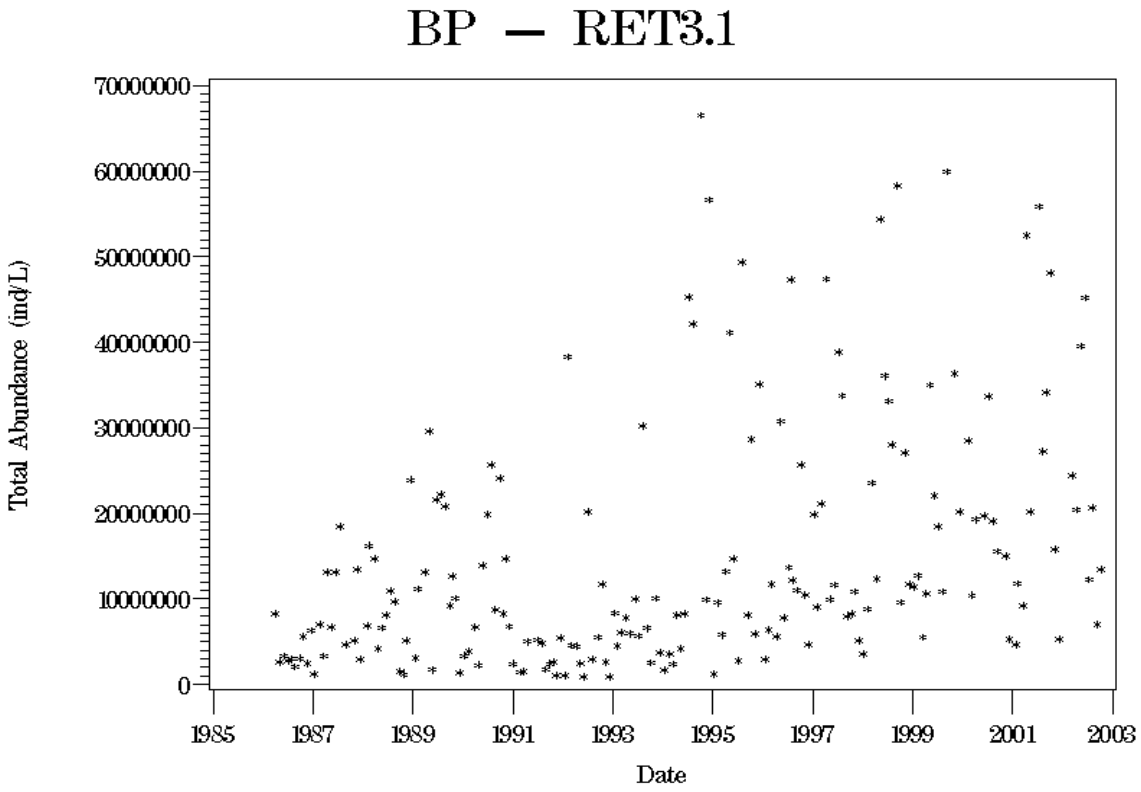

Figure F273. Plot of below pycnocline total phytoplankton abundance against time at station RET3.1 for the period of 1985 through 2002.

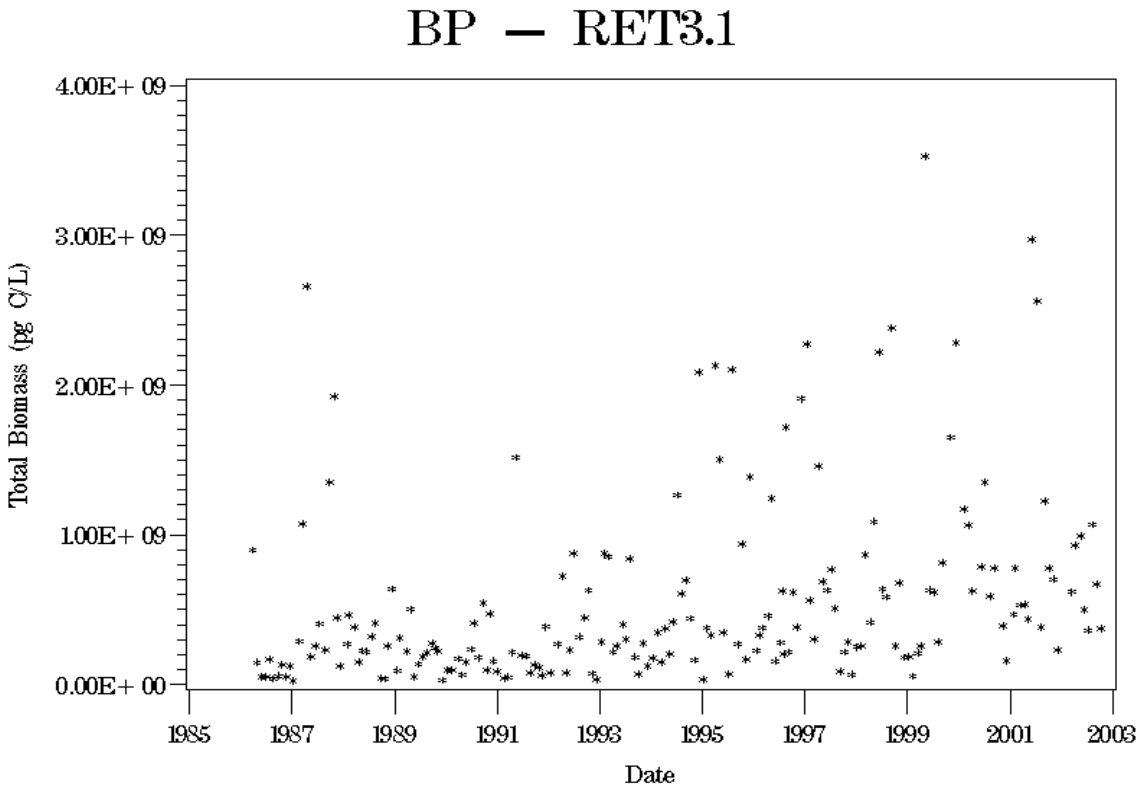

Figure F274. Plot of below pycnocline total phytoplankton biomass against time at station RET3.1 for the period of 1985 through 2002.

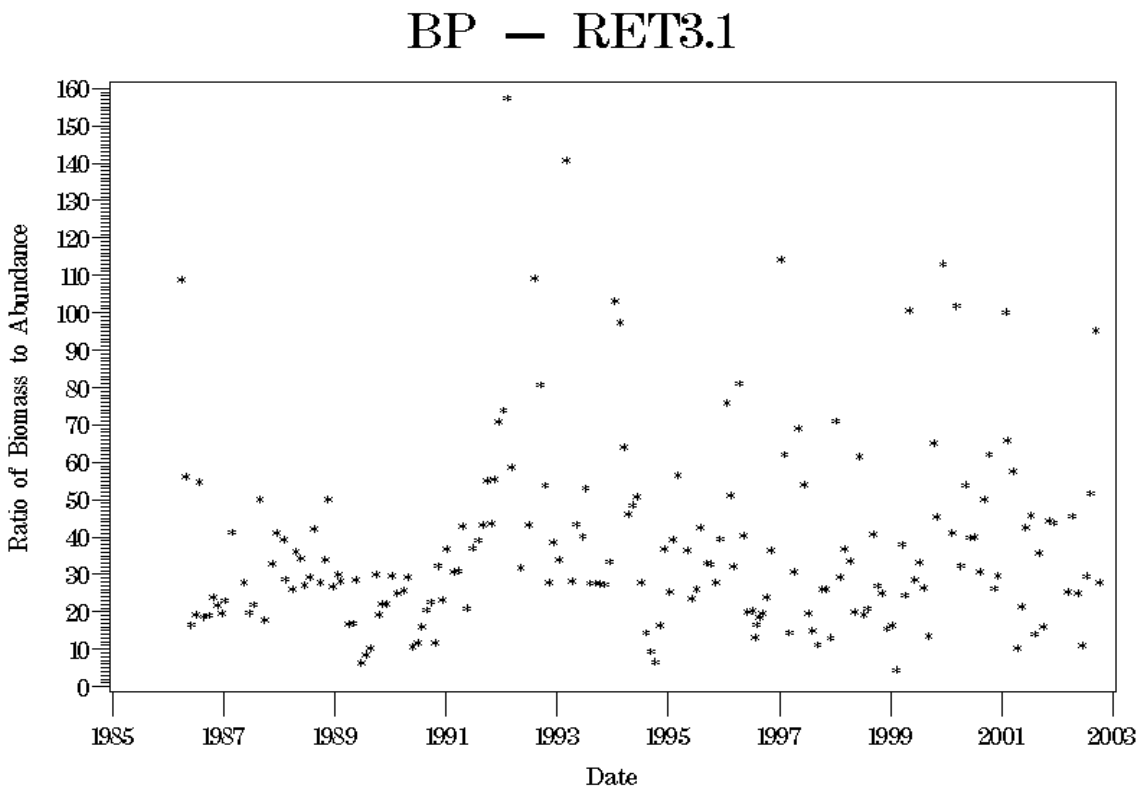

Figure F275. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station RET3.1 for the period of 1985 through 2002.

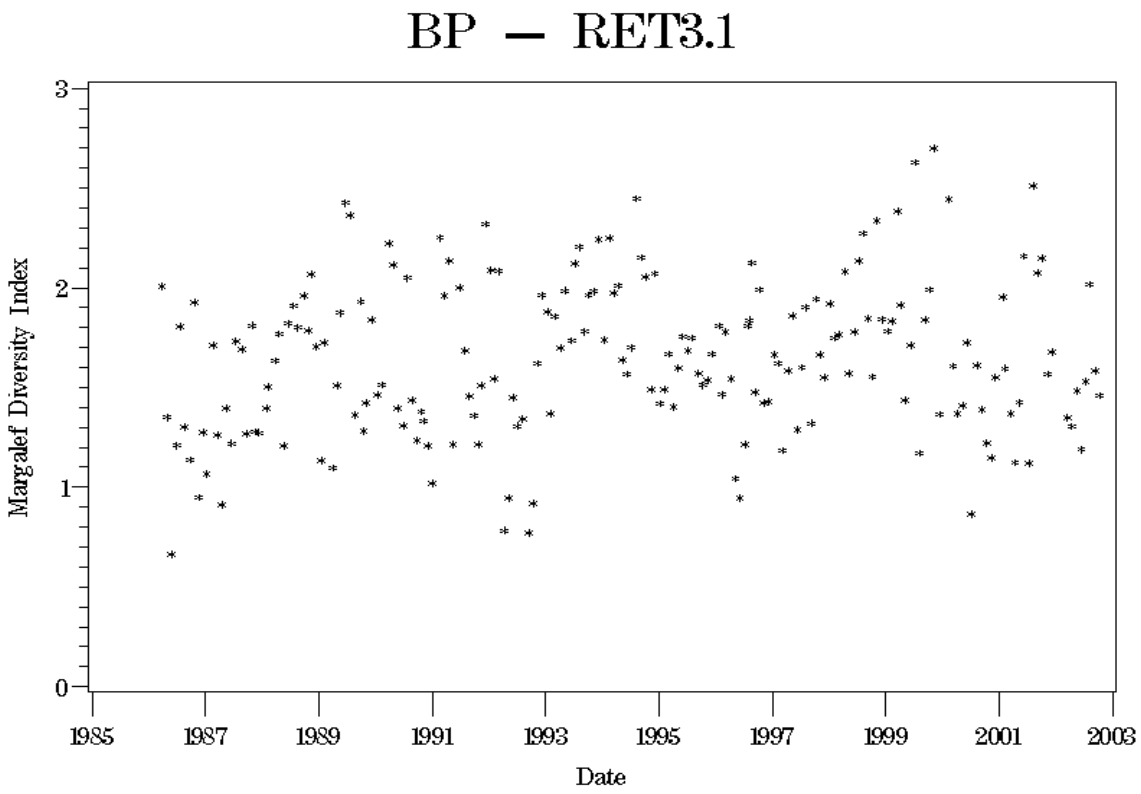

Figure F276. Plot of below pycnocline Margalef diversity index against time at station RET3.1 for the period of 1985 through 2002.

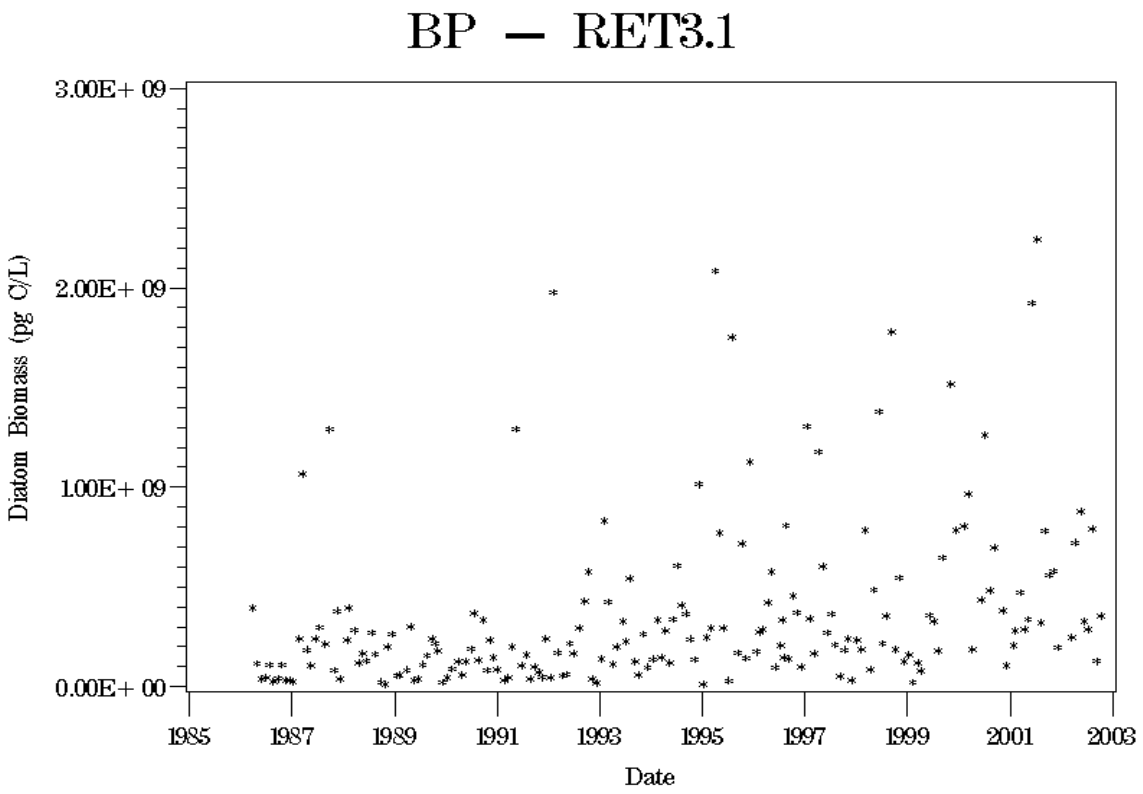

Figure F277. Plot of below pycnocline diatom biomass against time at station RET3.1 for the period of 1985 through 2002.

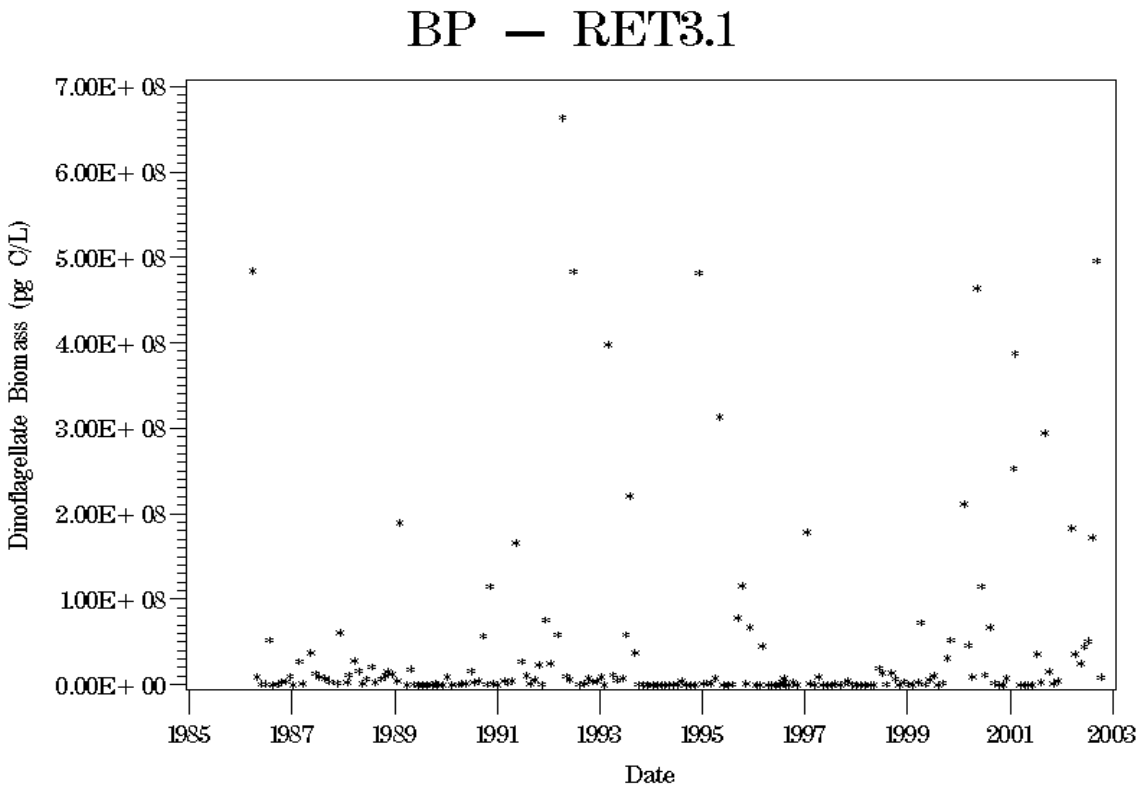

Figure F278. Plot of below pycnocline dinoflagellate biomass against time at station RET3.1 for the period of 1985 through 2002.

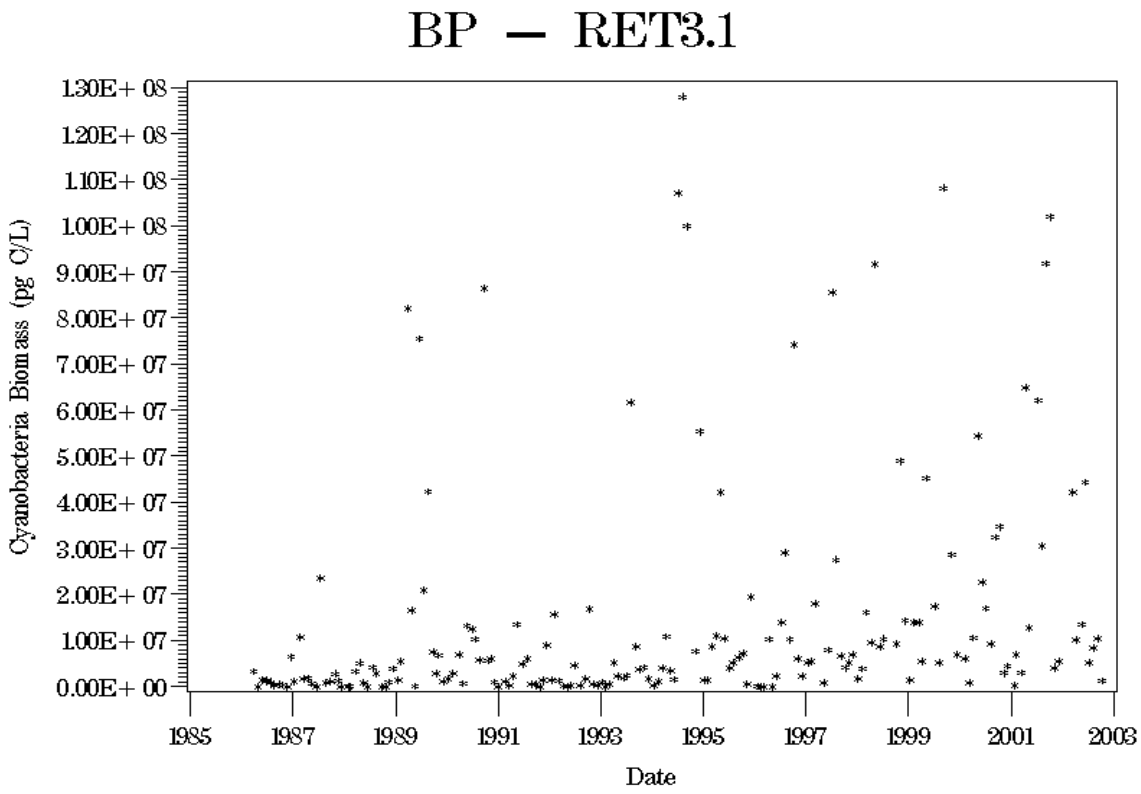

Figure F279. Plot of below pycnocline cyanobacteria biomass against time at station RET3.1 for the period of 1985 through 2002.

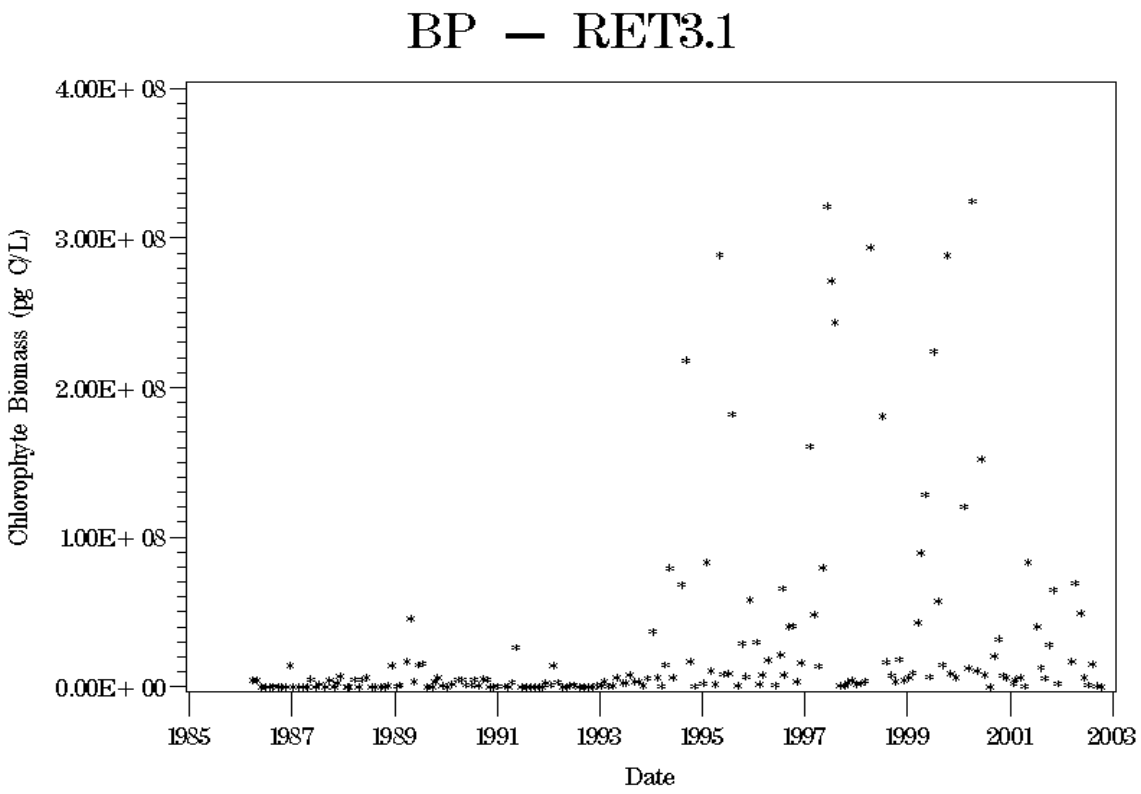

Figure F280. Plot of below pycnocline chlorophyte biomass against time at station RET3.1 for the period of 1985 through 2002.

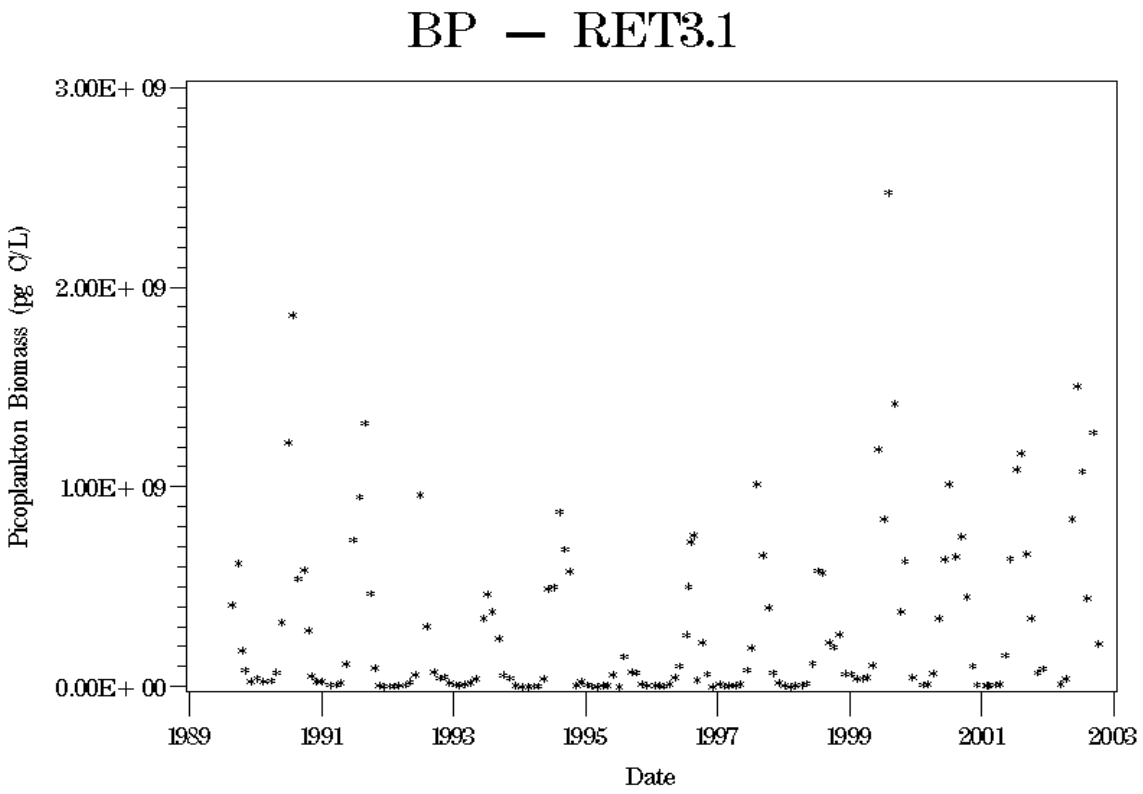

Figure F281. Plot of below pycnocline picoplankton biomass against time at station RET3.1 for the period of 1985 through 2002.

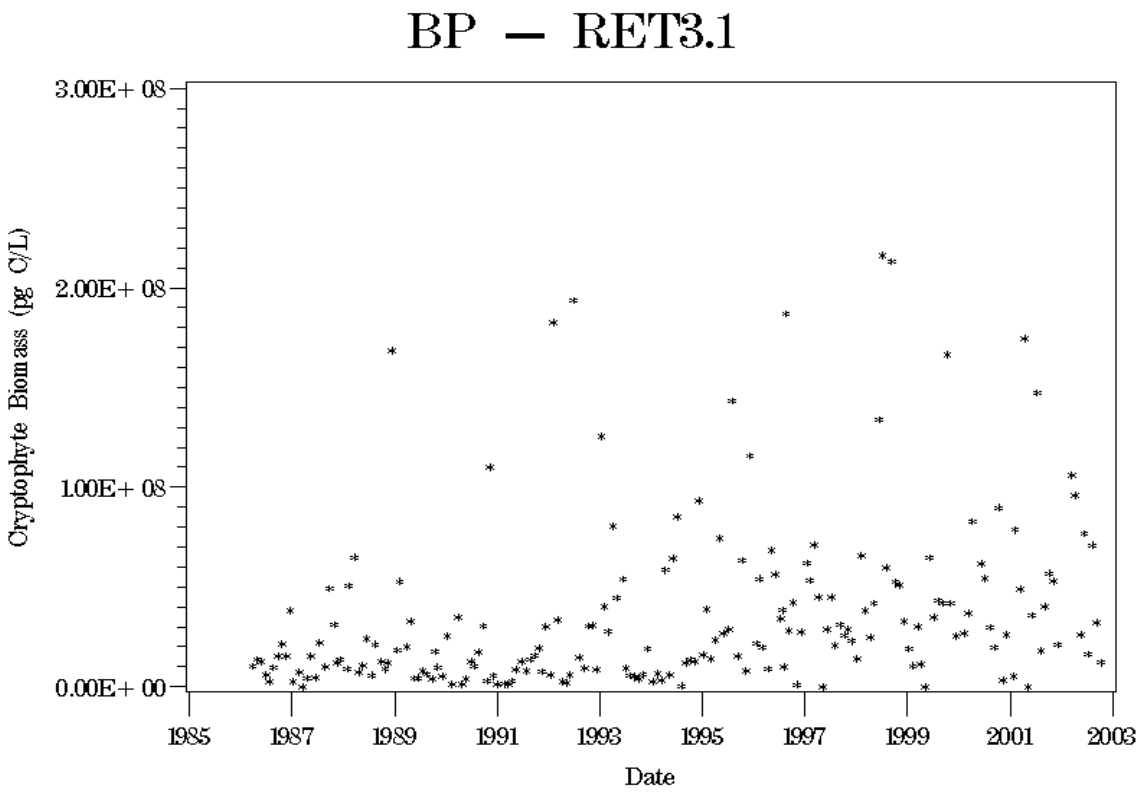

Figure F282. Plot of below pycnocline cryptophyte biomass at station RET3.1 for the period of 1985 through 2002.

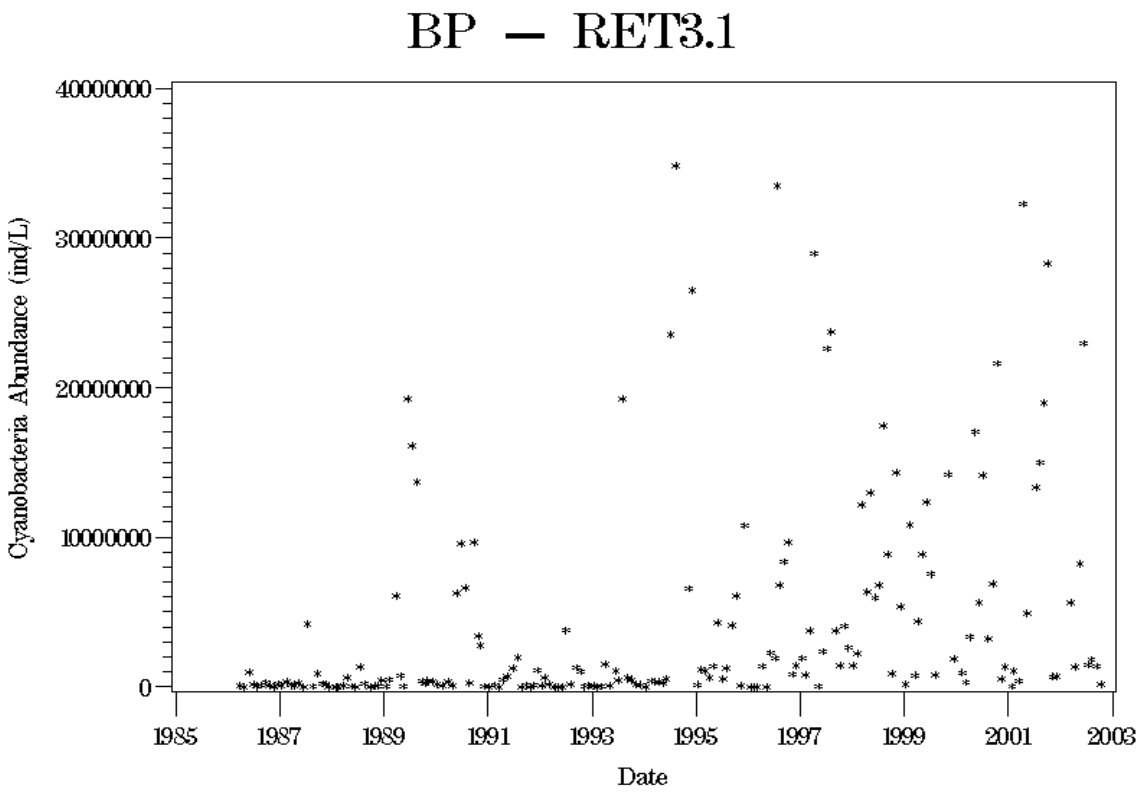

Figure F283. Plot of below pycnocline cyanophyte abundance at station RET3.1 for the period of 1985 through 2002.

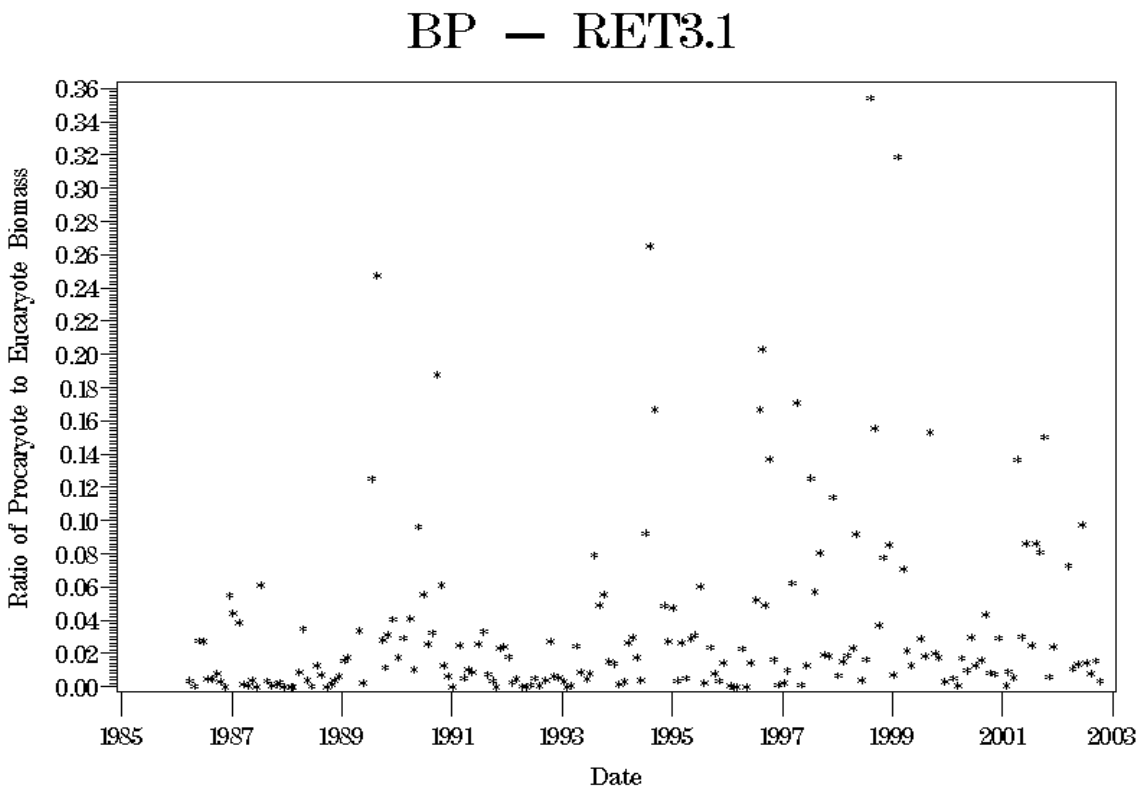

Figure F284. Plot of below pycnocline ratio of procaryote to eucaryote biomass at station RET3.1 for the period of 1985 through 2002.

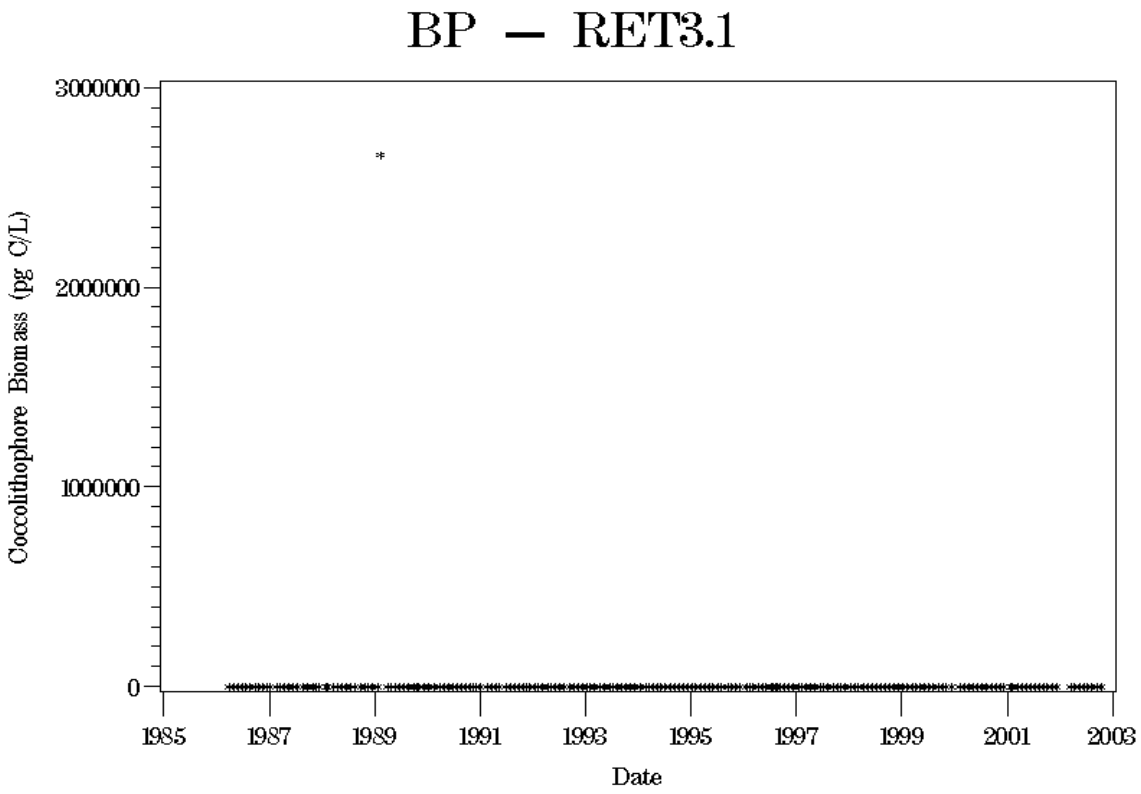

Figure F285. Plot of below pycnocline coccolithophore biomass at station RET3.1 for the period of 1985 through 2002.

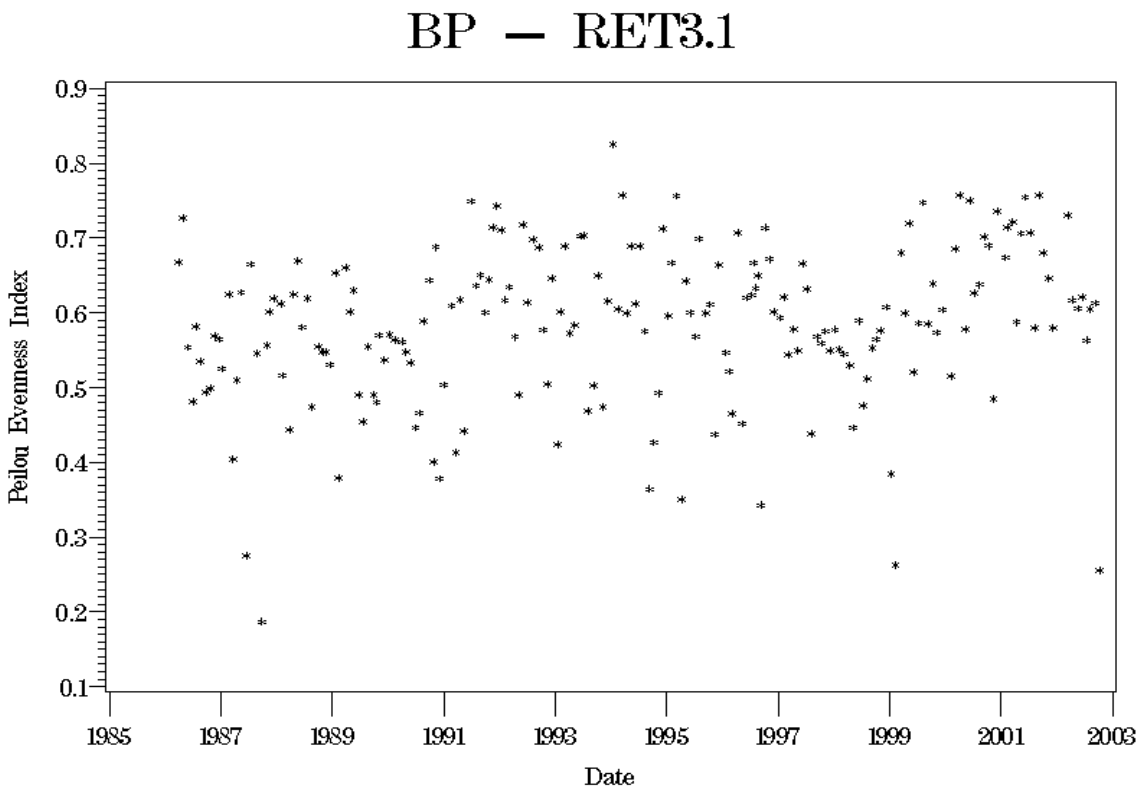

Figure F286. Plot of below pycnocline Pielou evenness index at station RET3.1 for the period of 1985 through 2002.

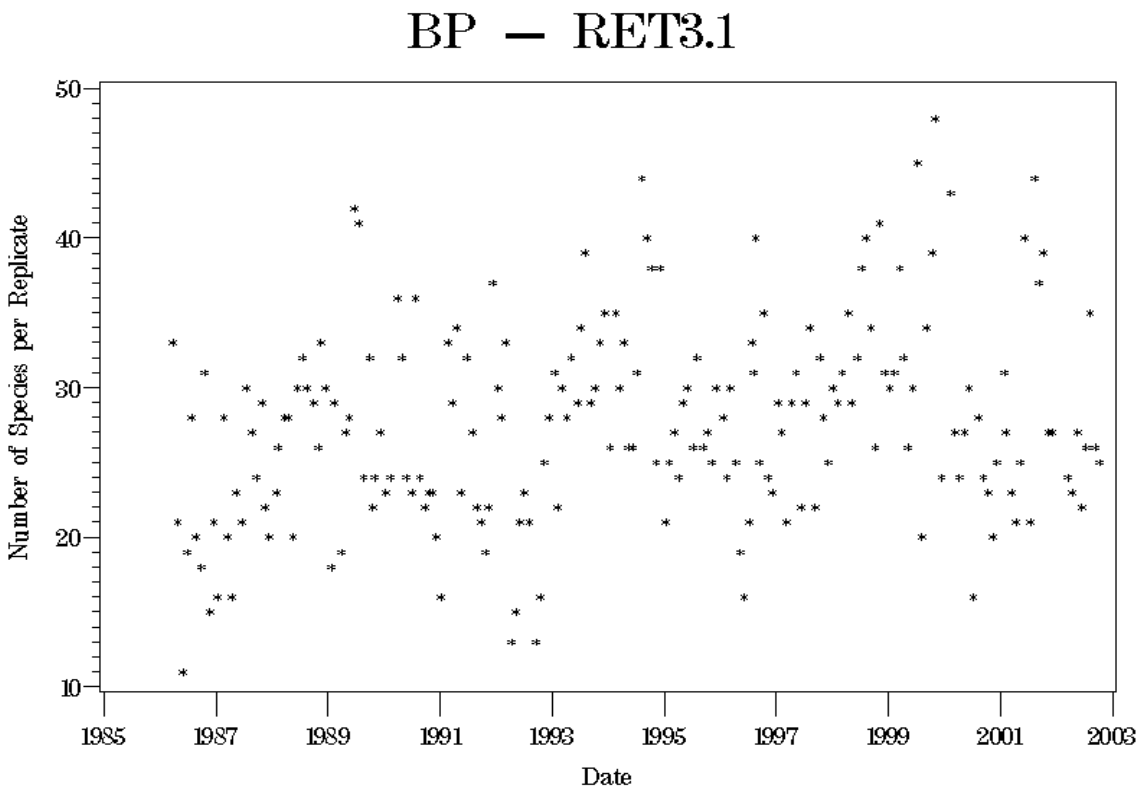

Figure F287. Plot of below pycnocline number of species per replicate at station RET3.1 for the period of 1985 through 2002.

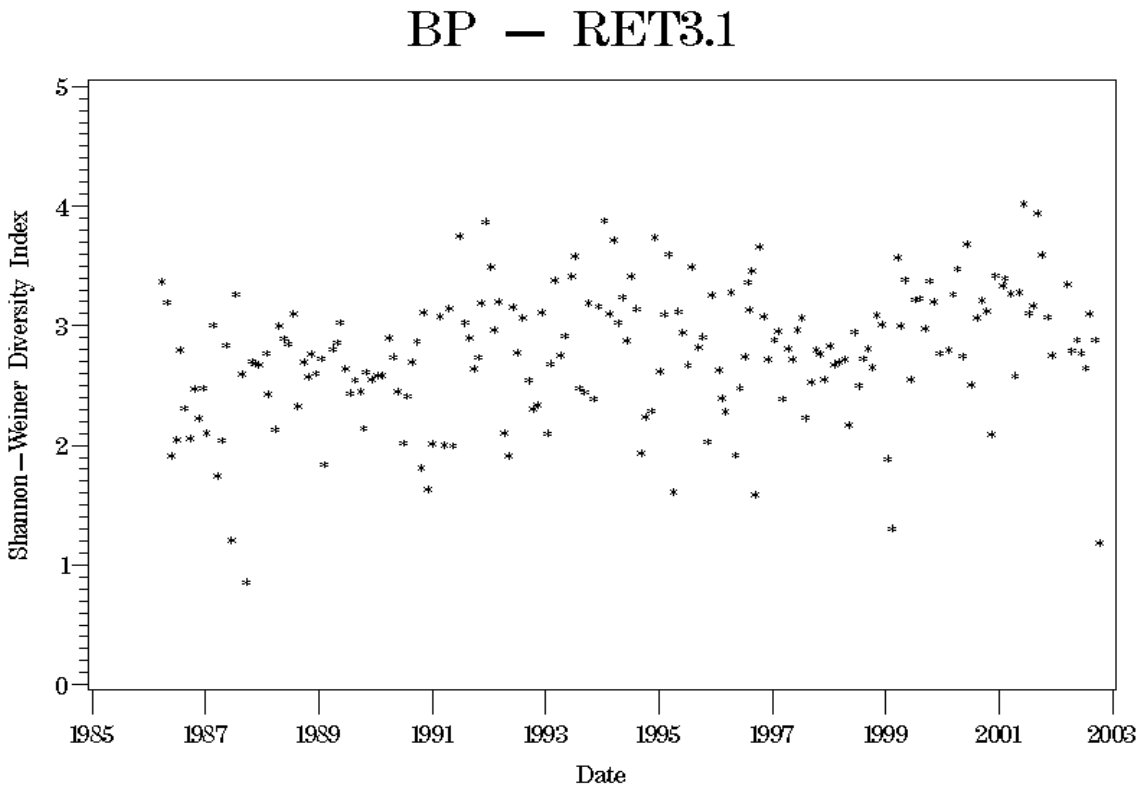

Figure F288. Plot of below pycnocline Shannon-Weiner Diversity index at station RET3.1 for the period of 1985 through 2002.

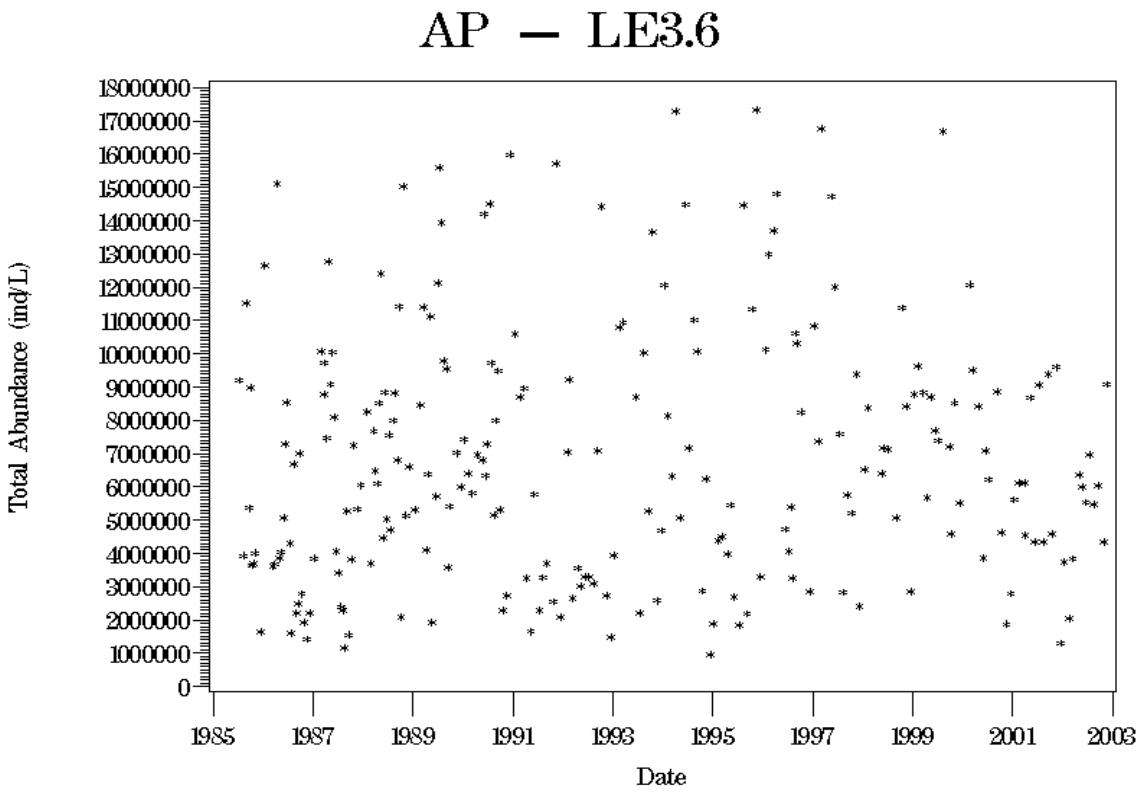

Figure F289. Plot of above pycnocline total phytoplankton abundance against time at station LE3.6 for the period of 1985 through 2002.

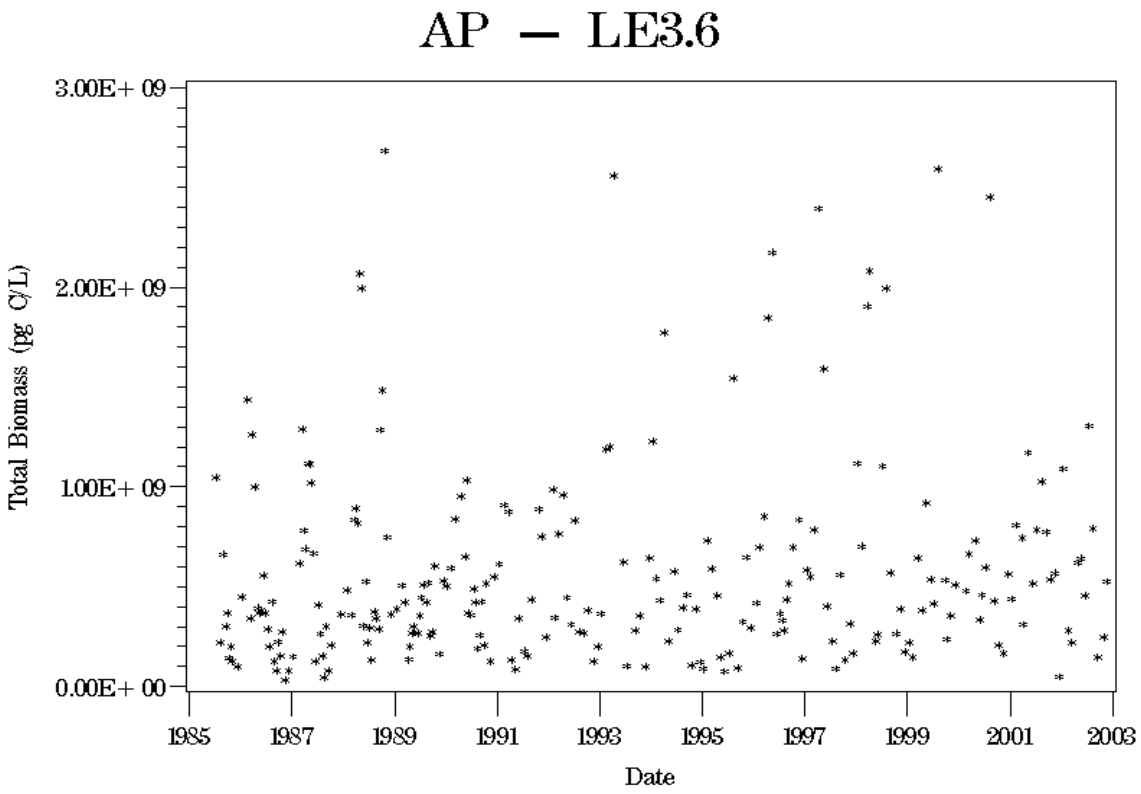

Figure F290. Plot of above pycnocline total phytoplankton biomass against time at station LE3.6 for the period of 1985 through 2002.

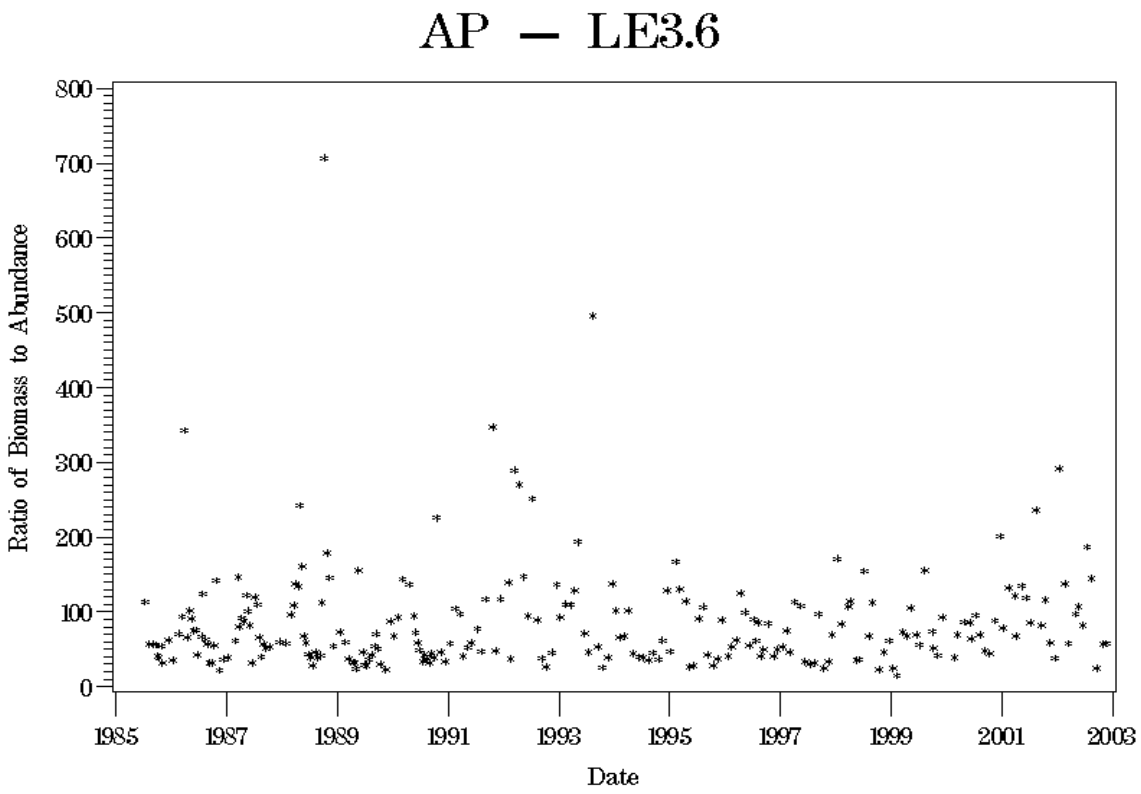

Figure F291. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station LE3.6 for the period of 1985 through 2002.

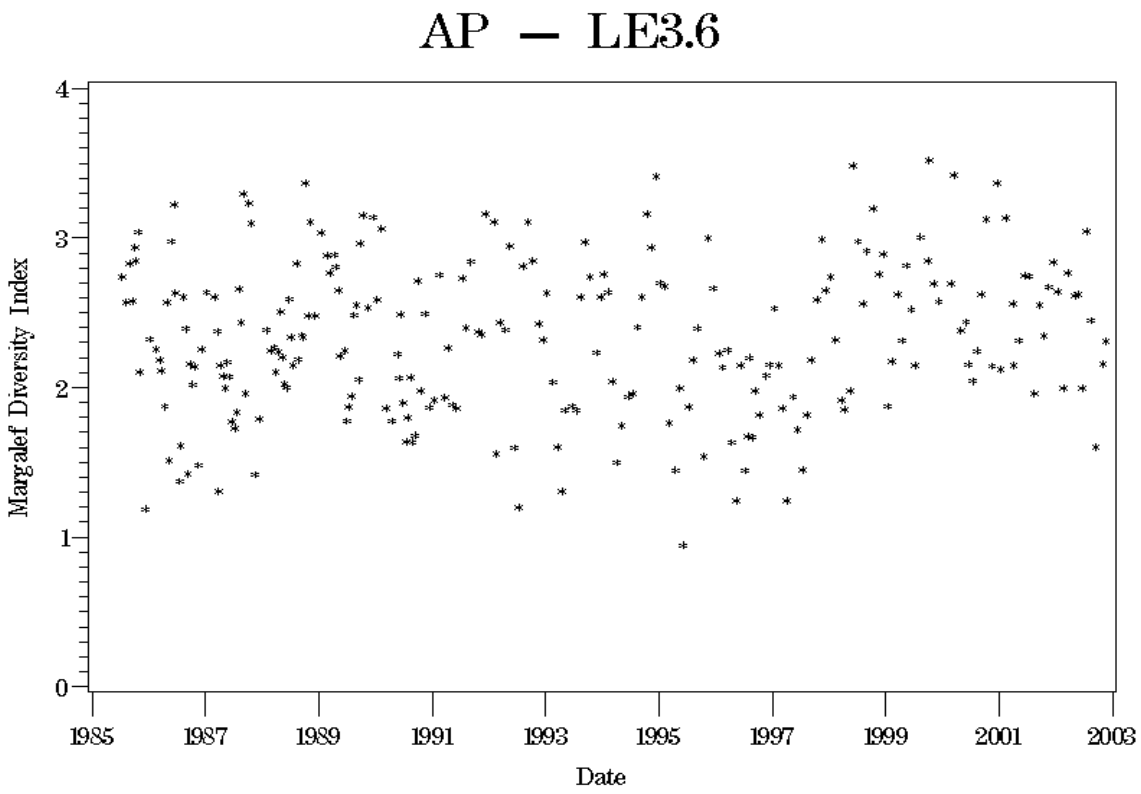

Figure F292. Plot of above pycnocline Margalef diversity index against time at station LE3.6 for the period of 1985 through 2002.

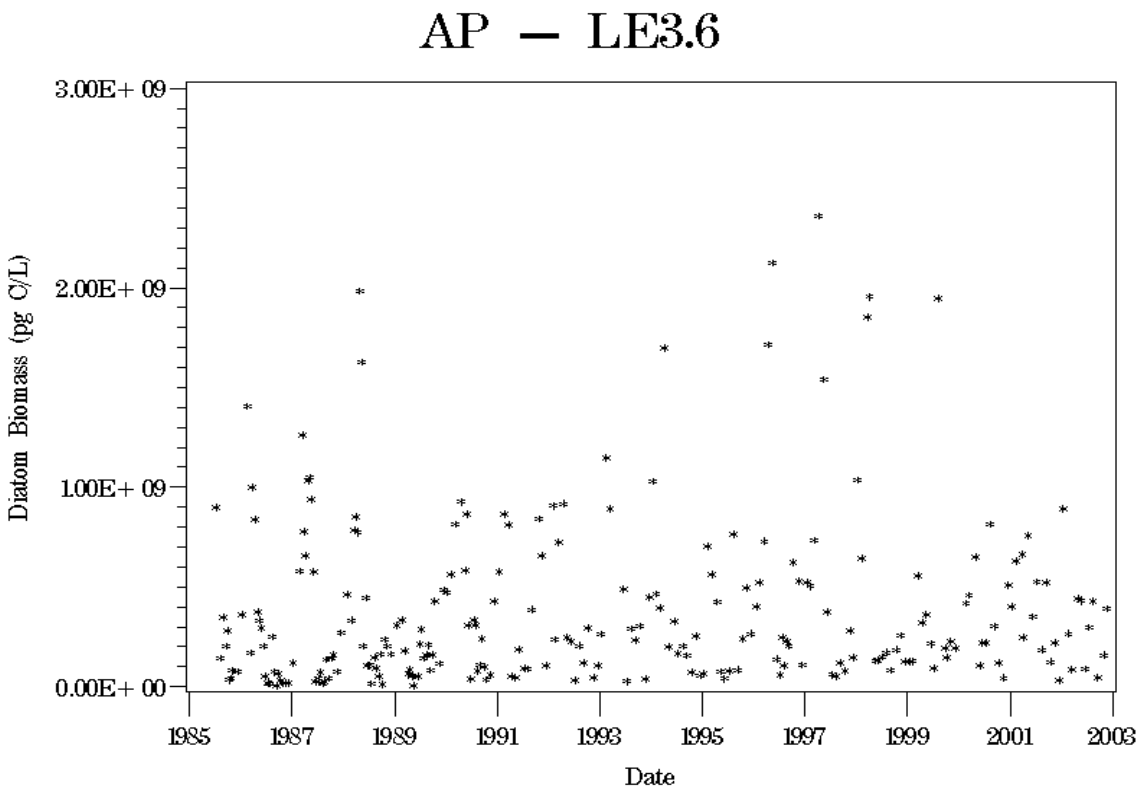

Figure F293. Plot of above pycnocline diatom biomass against time at station LE3.6 for the period of 1985 through 2002.

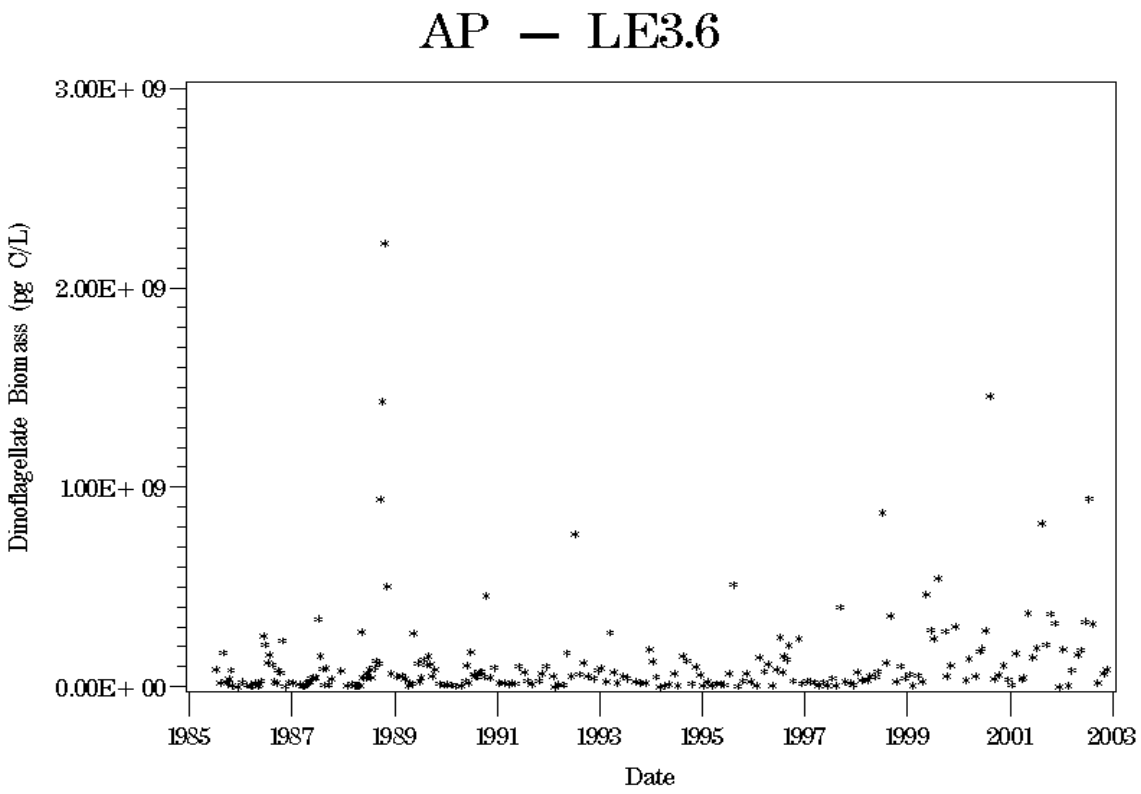

Figure F294. Plot of above pycnocline dinoflagellate biomass against time at station LE3.6 for the period of 1985 through 2002.

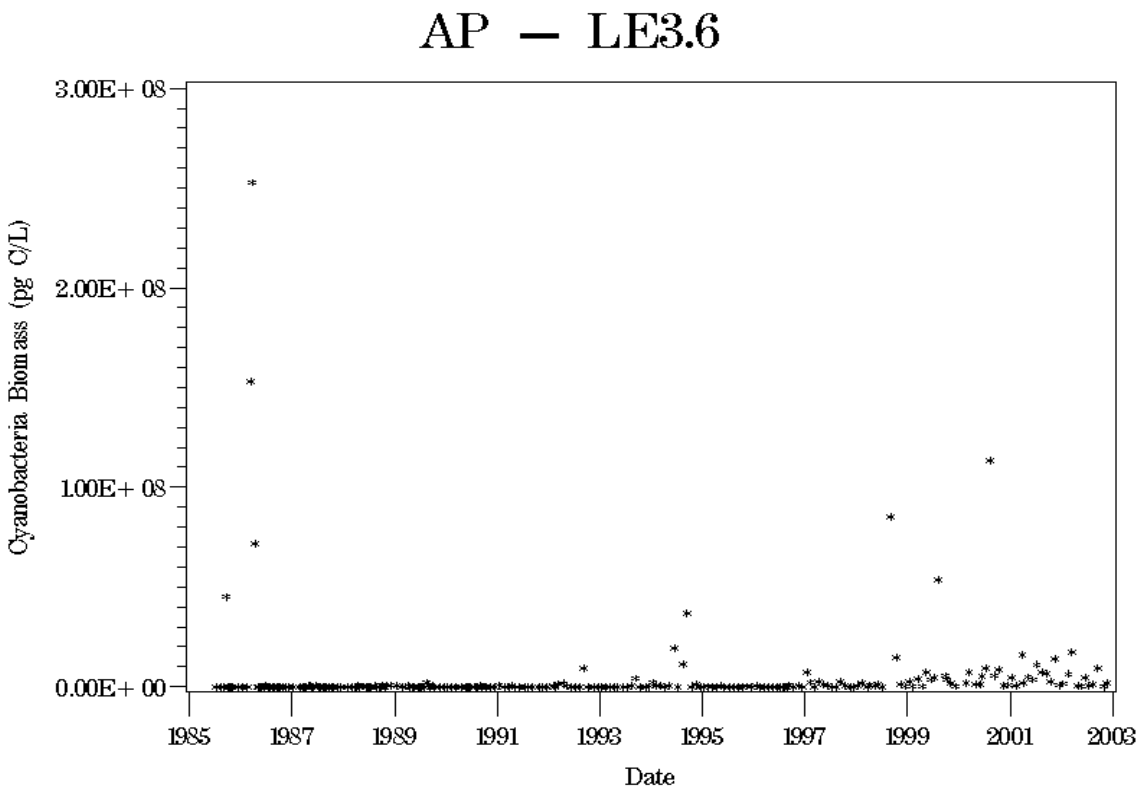

Figure F295. Plot of above pycnocline cyanobacteria biomass against time at station LE3.6 for the period of 1985 through 2002.

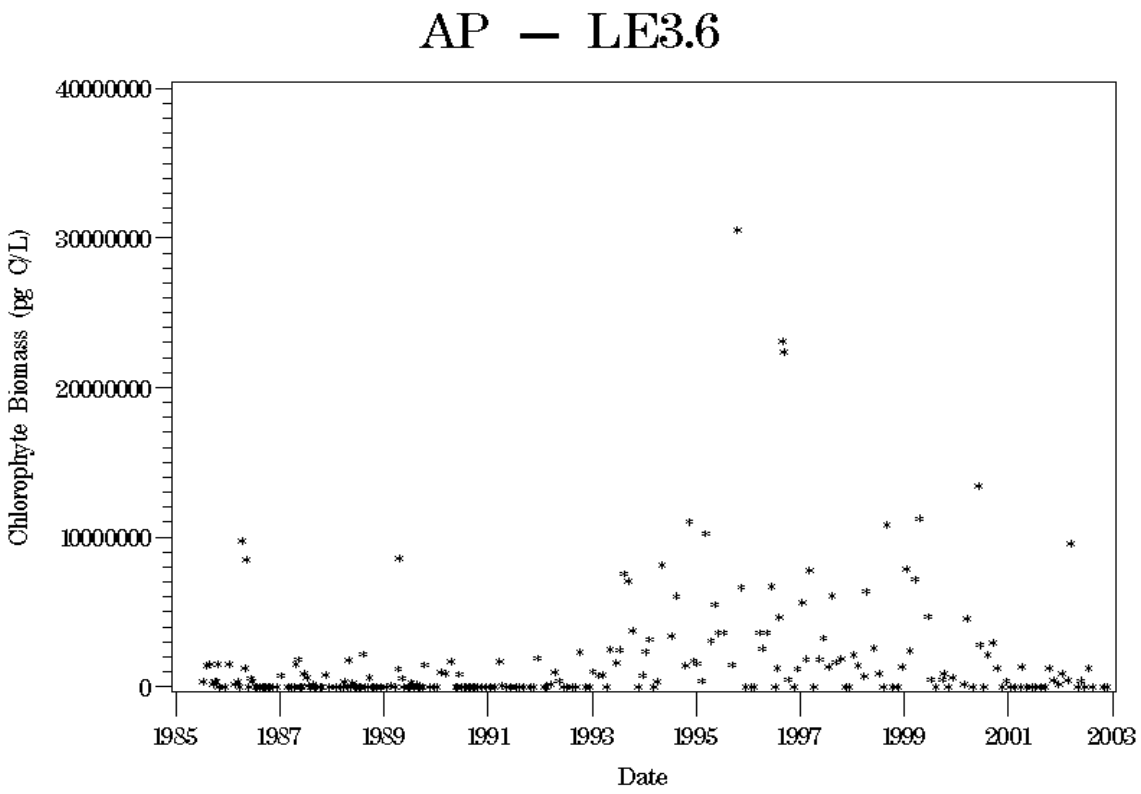

Figure F296. Plot of above pycnocline chlorophyte biomass against time at station LE3.6 for the period of 1985 through 2002.

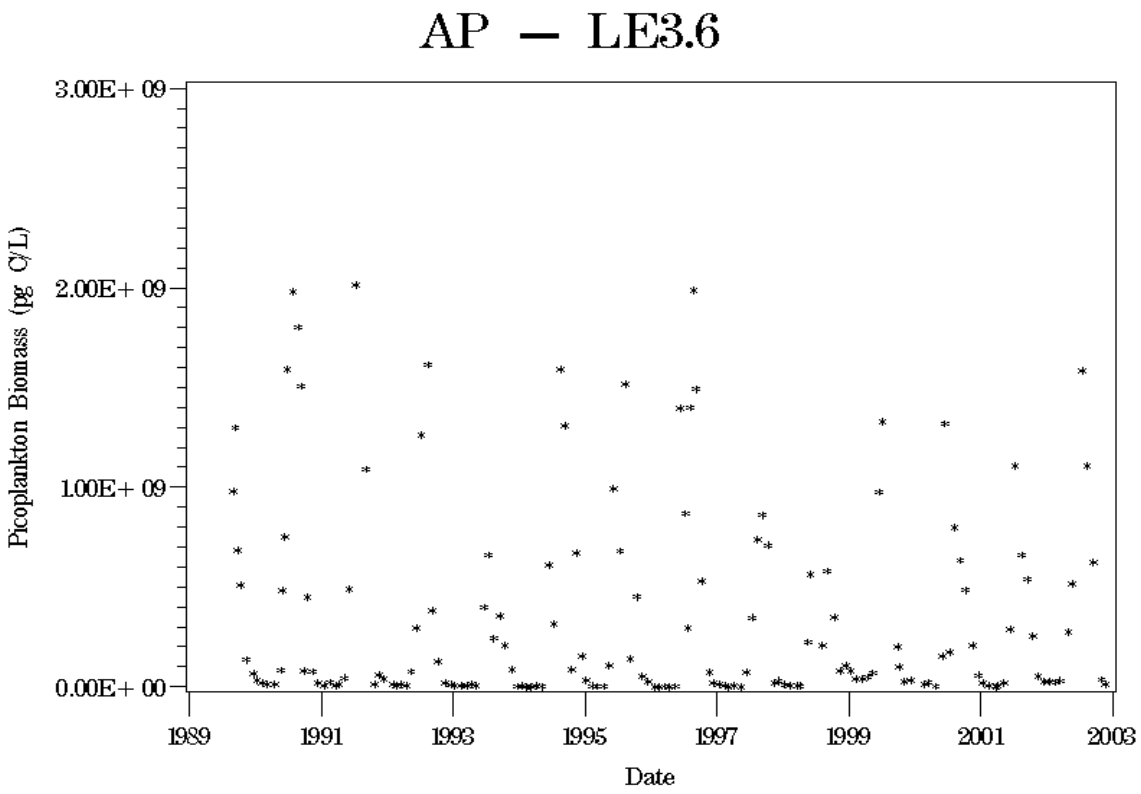

Figure F297. Plot of above pycnocline picoplankton biomass against time at station LE3.6 for the period of 1985 through 2002.

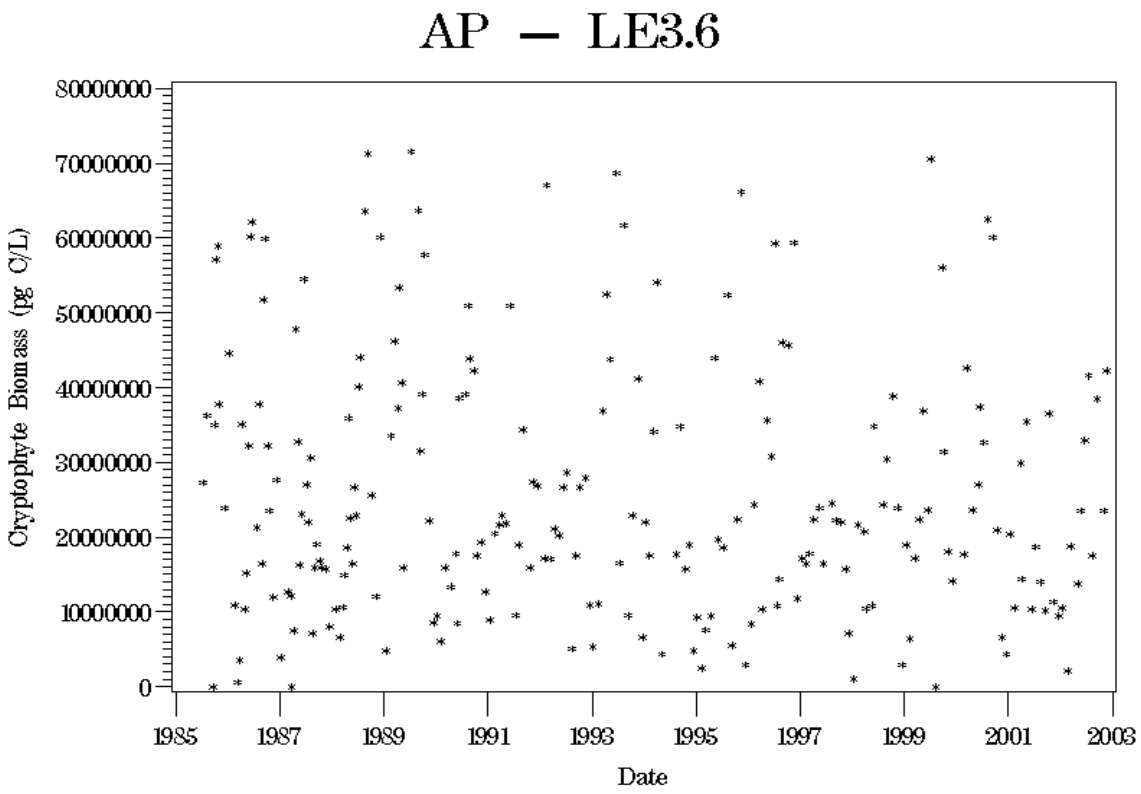

Figure F298. Plot of above pycnocline cryptophyte biomass at station LE3.6 for the period of 1985 through 2002.

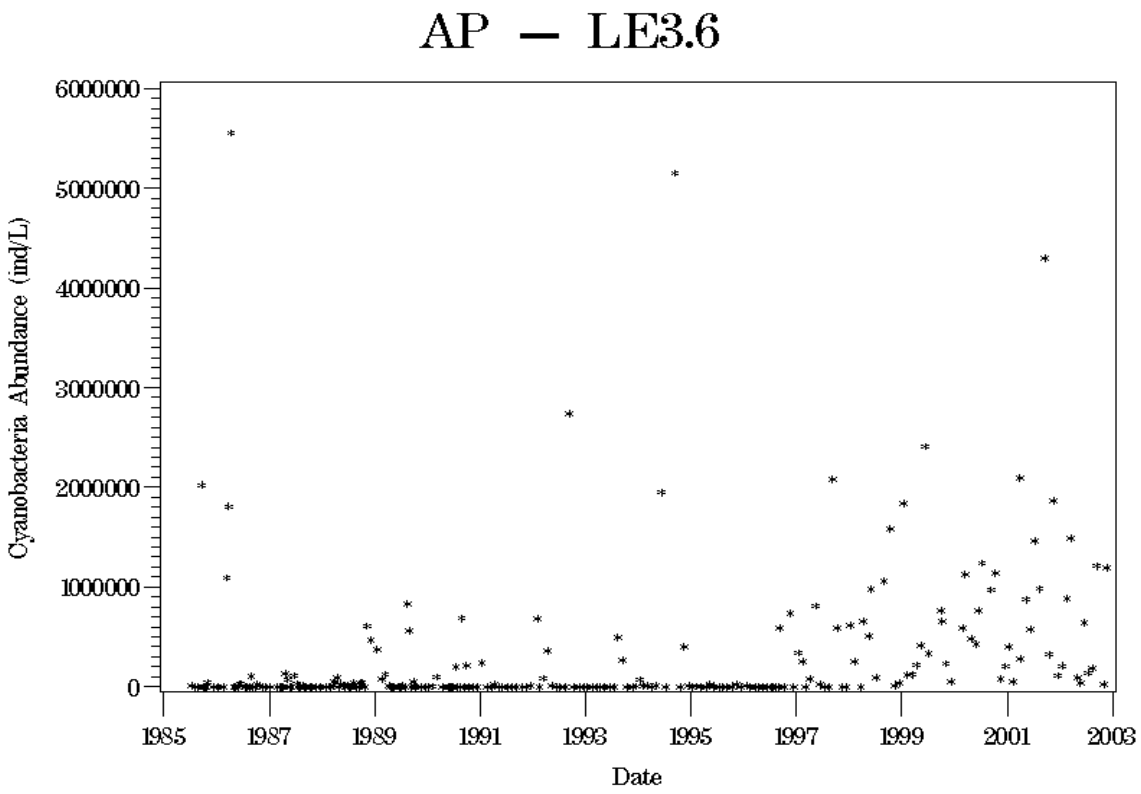

Figure F299. Plot of above pycnocline cyanophyte abundance at station LE3.6 for the period of 1985 through 2002.

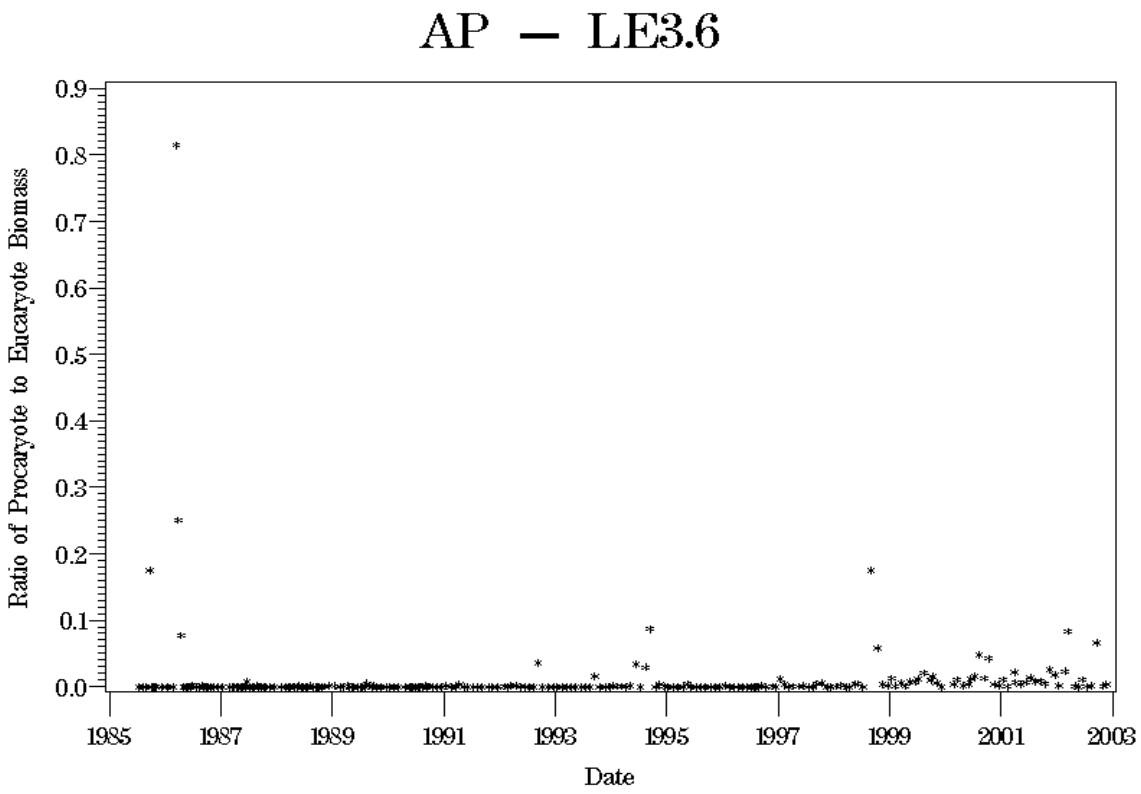

Figure F300. Plot of above pycnocline ratio of procaryote to eucaryote biomass at station LE3.6 for the period of 1985 through 2002.

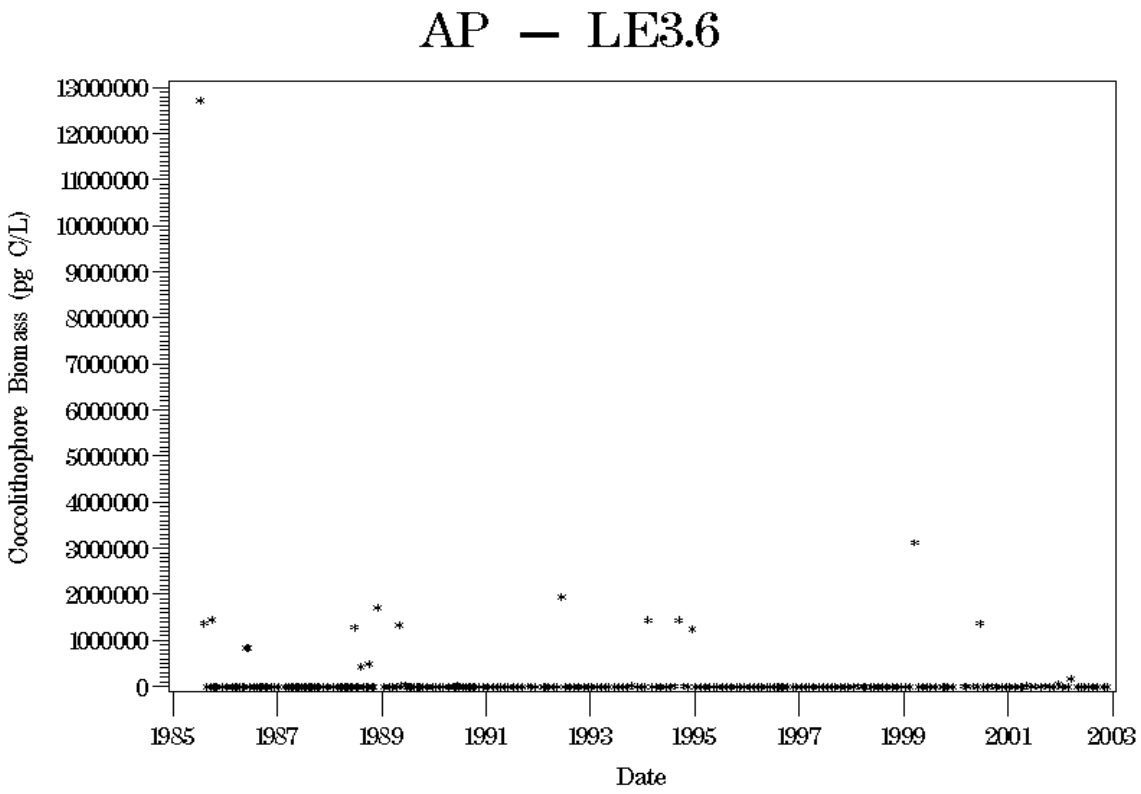

Figure F301. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station LE3.6 for the period of 1985 through 2002.

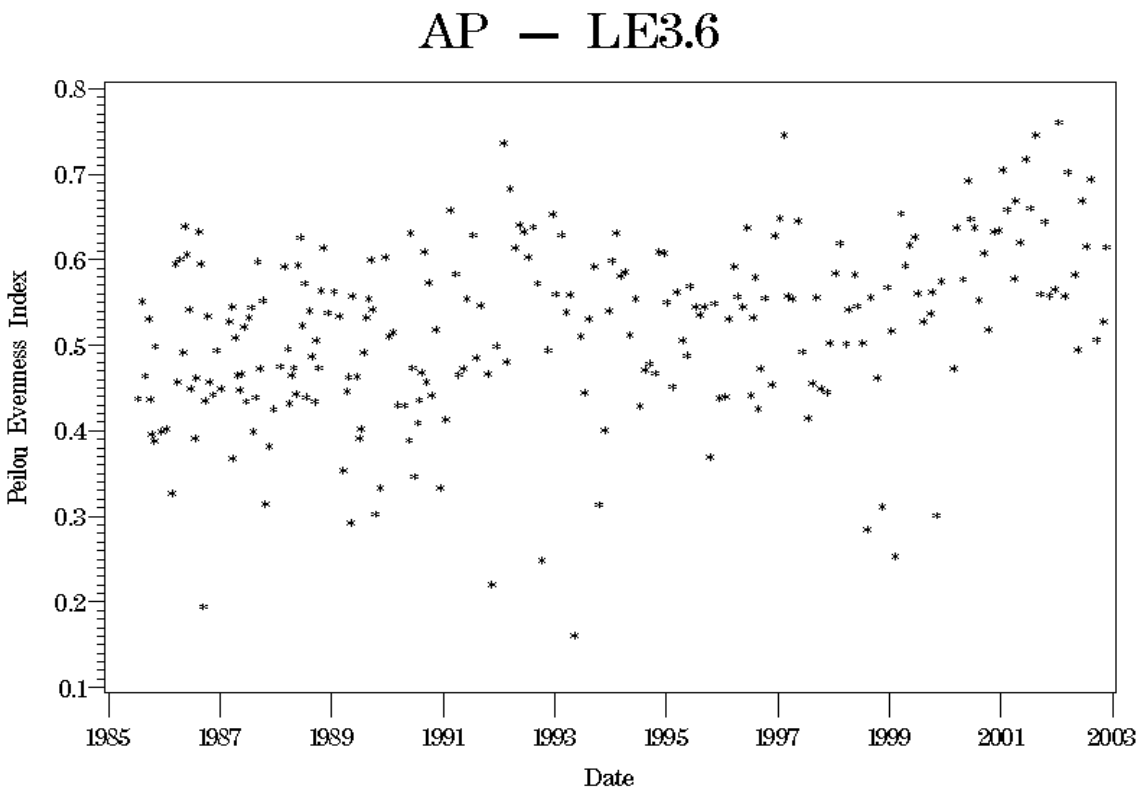

Figure F302. Plot of above pycnocline Pielou evenness index at station LE3.6 for the period of 1985 through 2002.

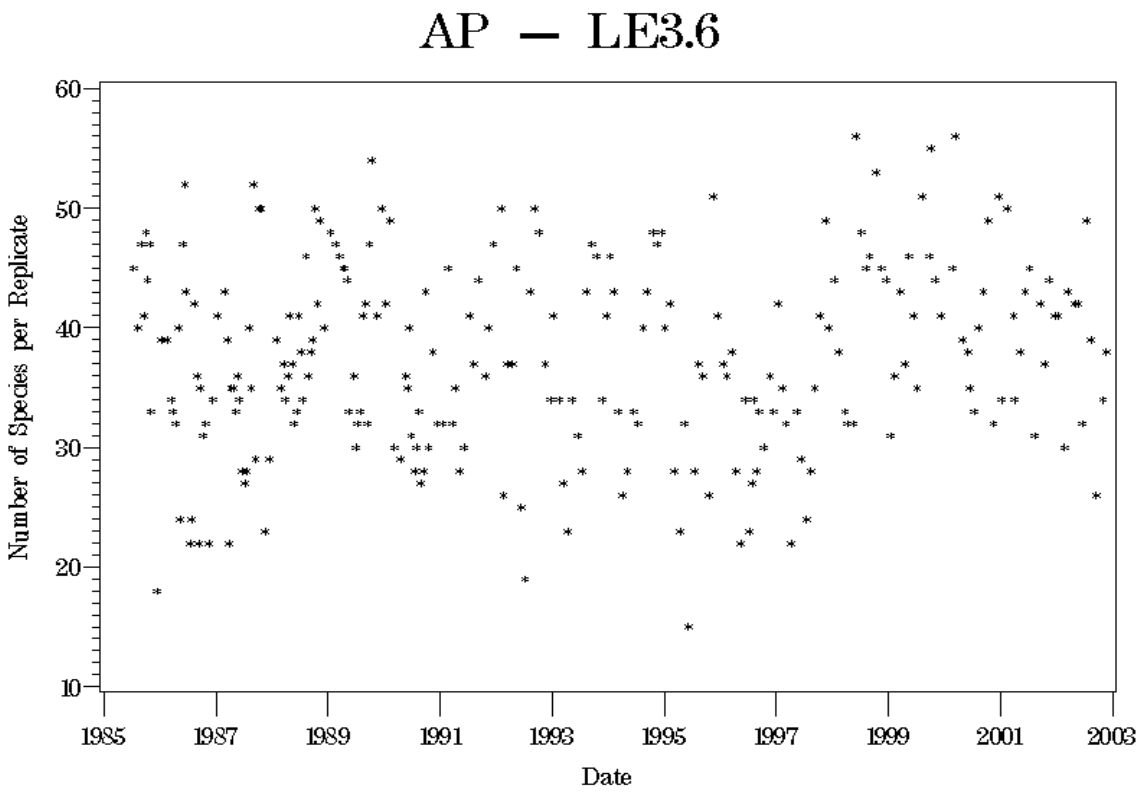

Figure F303. Plot of above pycnocline number of species per replicate at station LE3.6 for the period of 1985 through 2002.

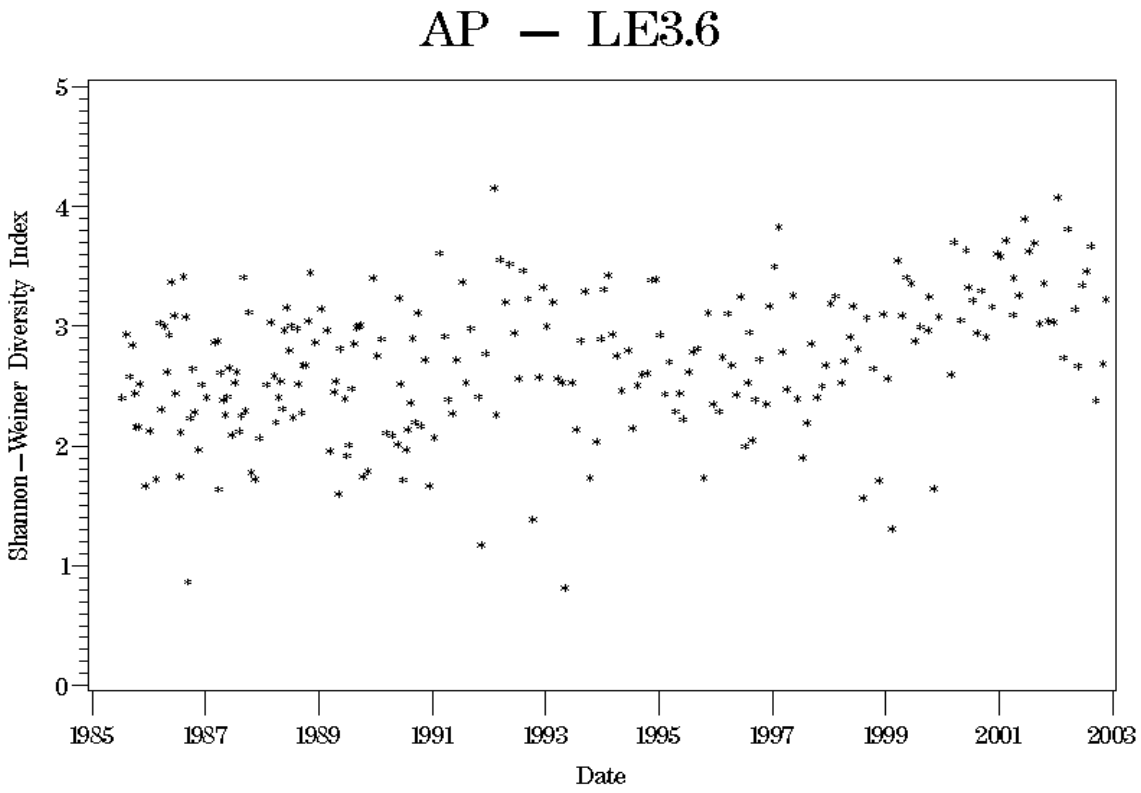

Figure F304. Plot of above pycnocline Shannon-Weiner Diversity index at station LE3.6 for the period of 1985 through 2002.

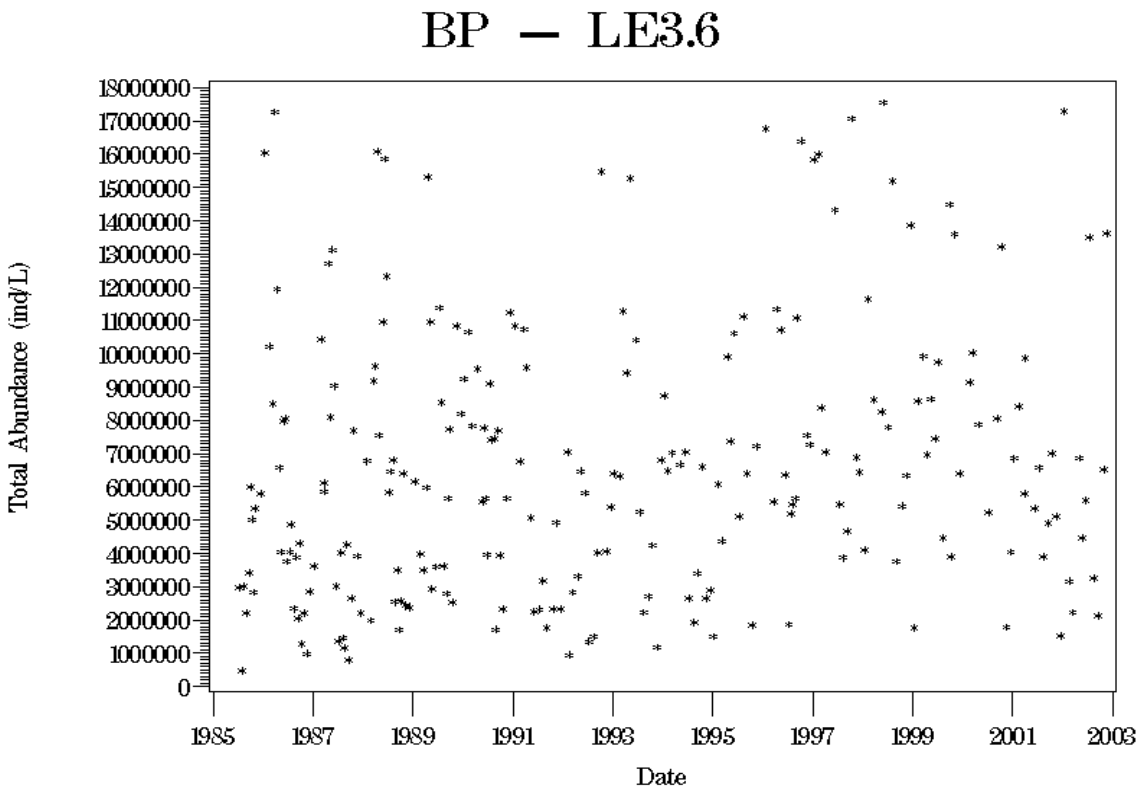

Figure F305. Plot of below pycnocline total phytoplankton abundance against time at station LE3.6 for the period of 1985 through 2002.

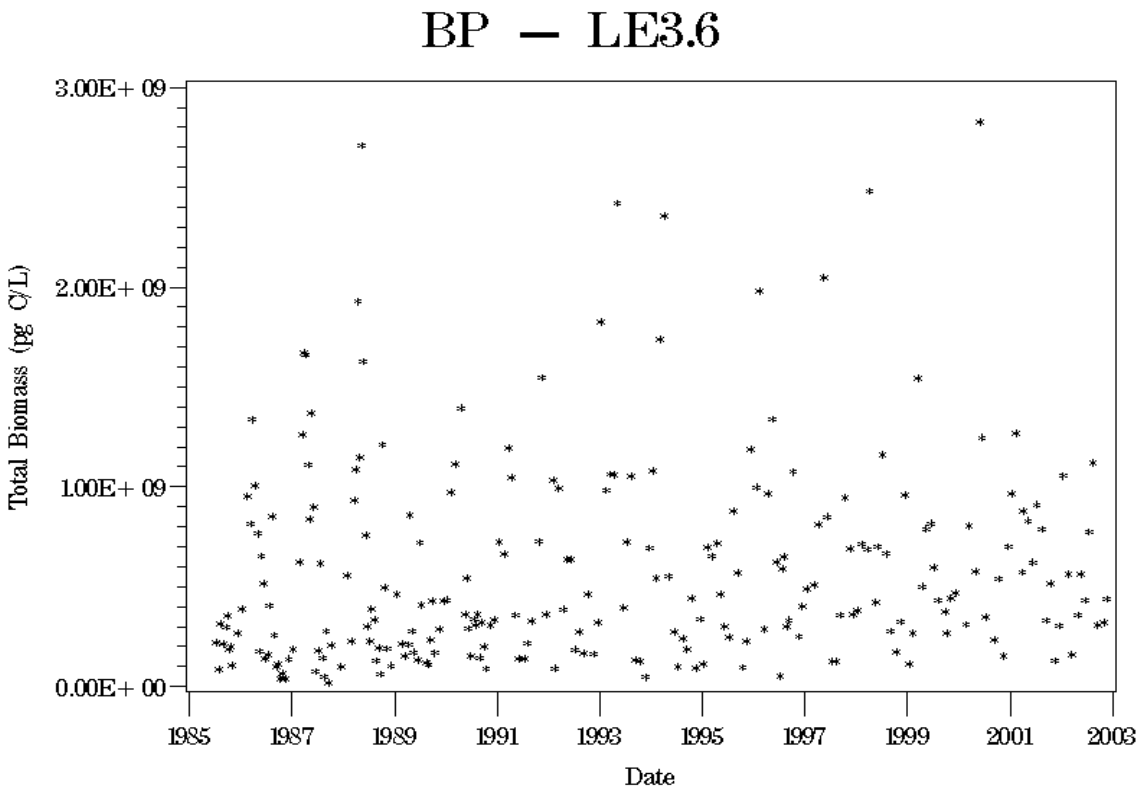

Figure F306. Plot of below pycnocline total phytoplankton biomass against time at station LE3.6 for the period of 1985 through 2002.

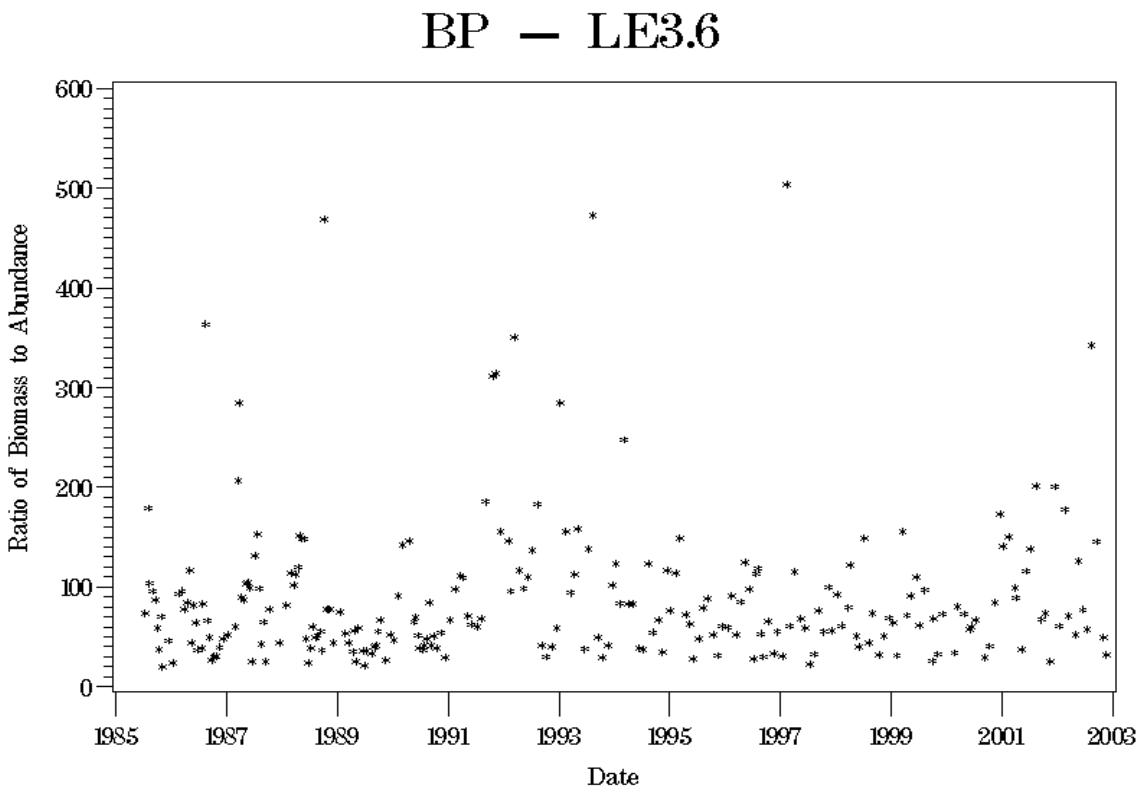

Figure F307. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station LE3.6 for the period of 1985 through 2002.

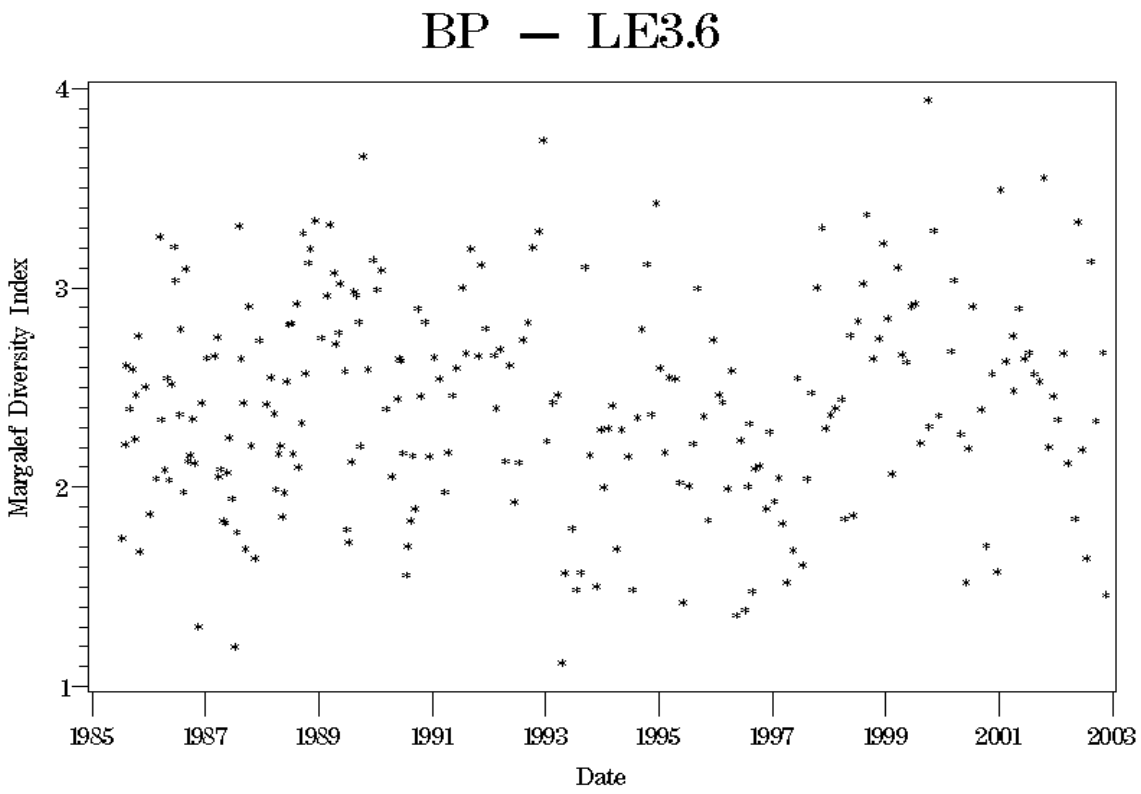

Figure F308. Plot of below pycnocline Margalef diversity index against time at station LE3.6 for the period of 1985 through 2002.

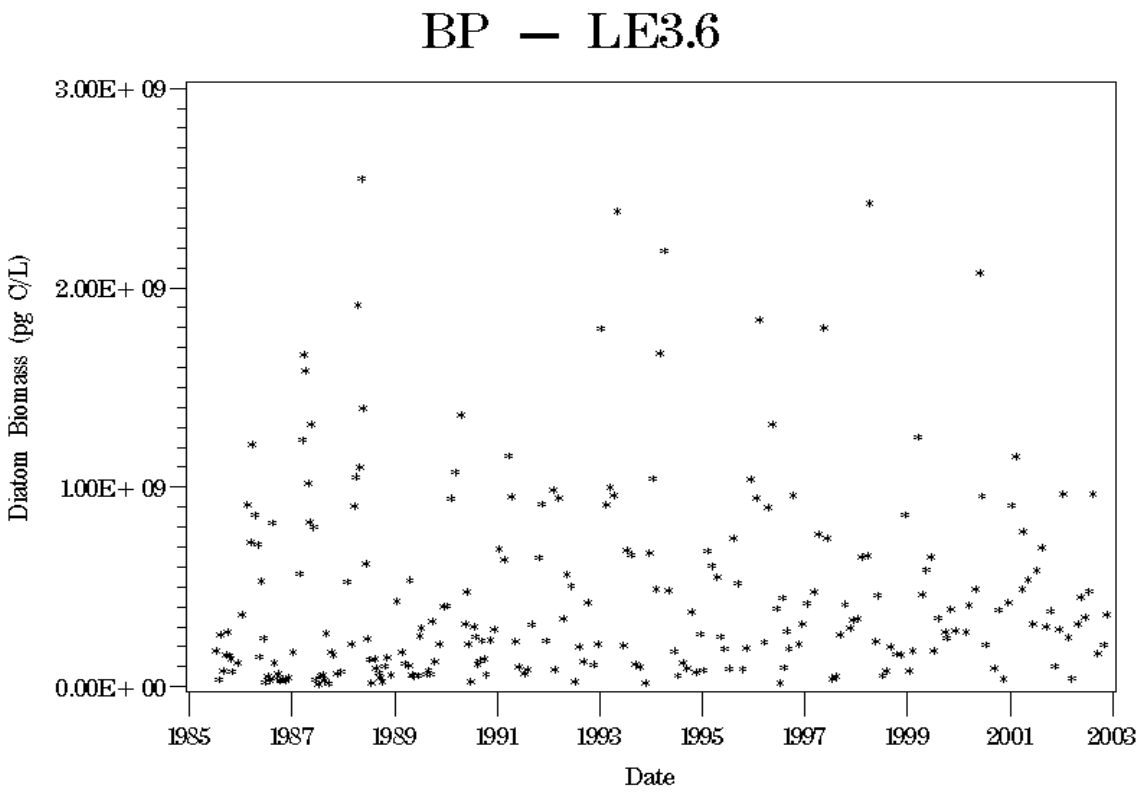

Figure F309. Plot of below pycnocline diatom biomass against time at station LE3.6 for the period of 1985 through 2002.

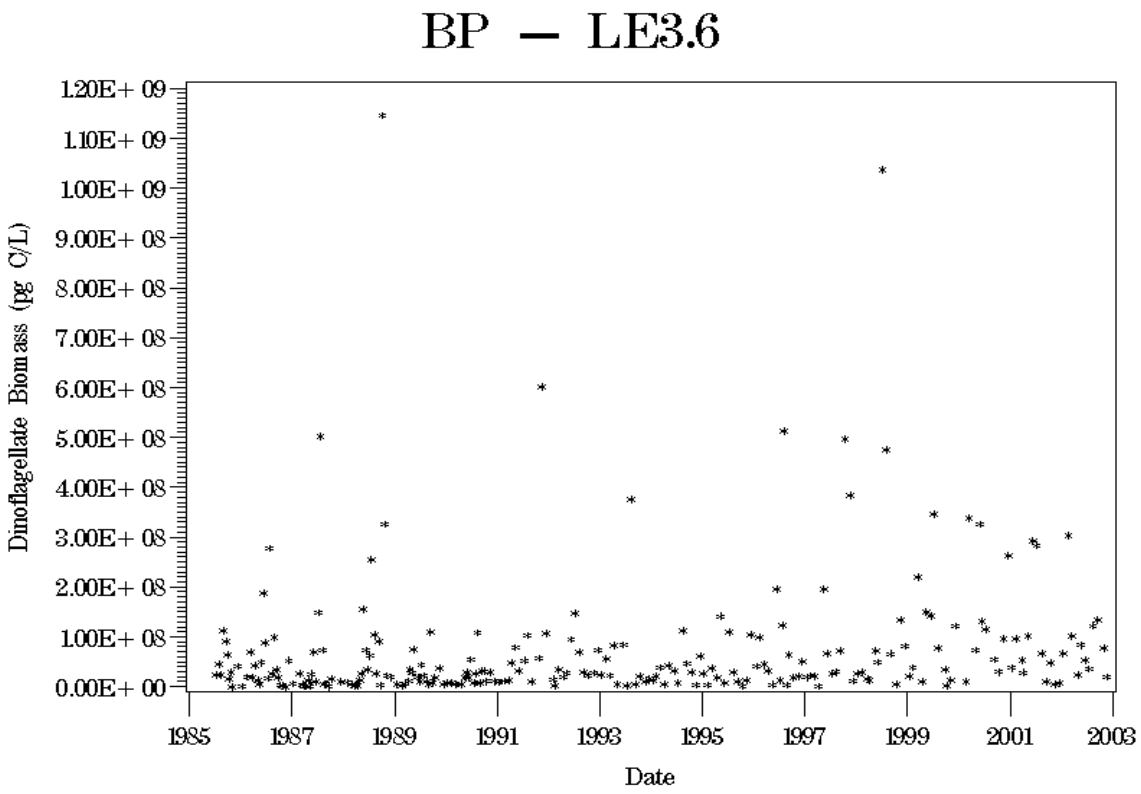

Figure F310. Plot of below pycnocline dinoflagellate biomass against time at station LE3.6 for the period of 1985 through 2002.

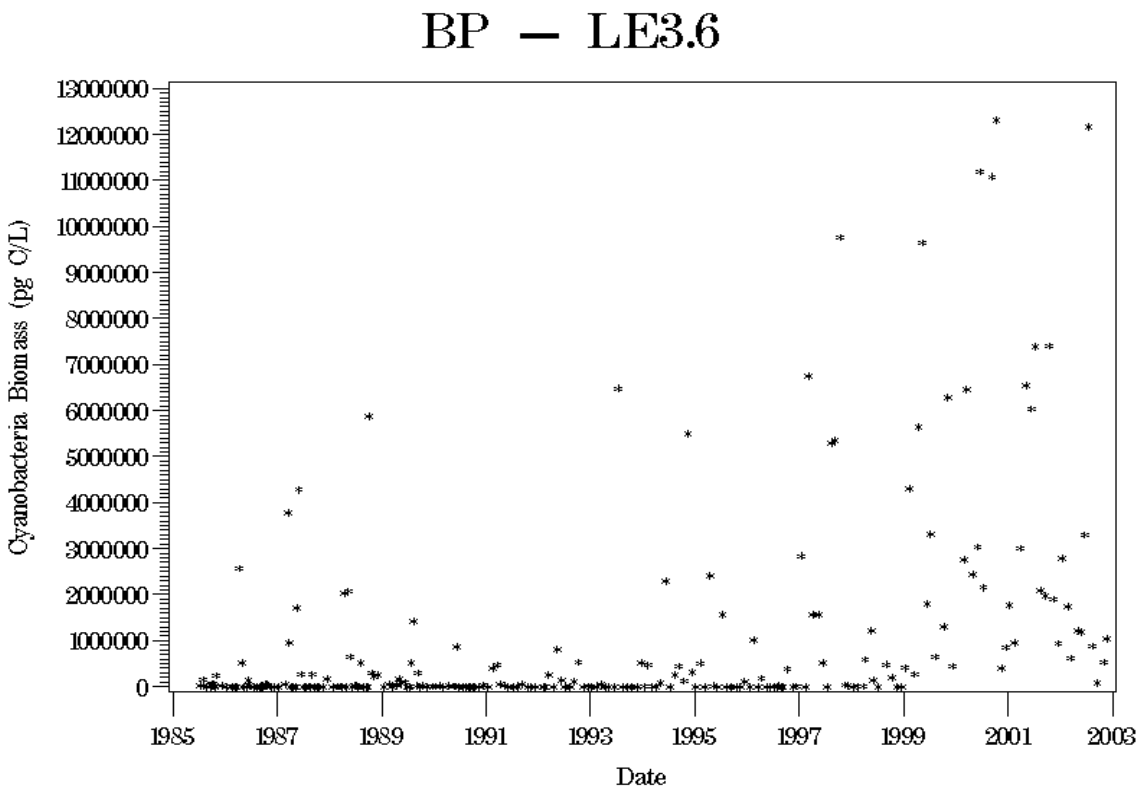

Figure F311. Plot of below pycnocline cyanobacteria biomass against time at station LE3.6 for the period of 1985 through 2002.

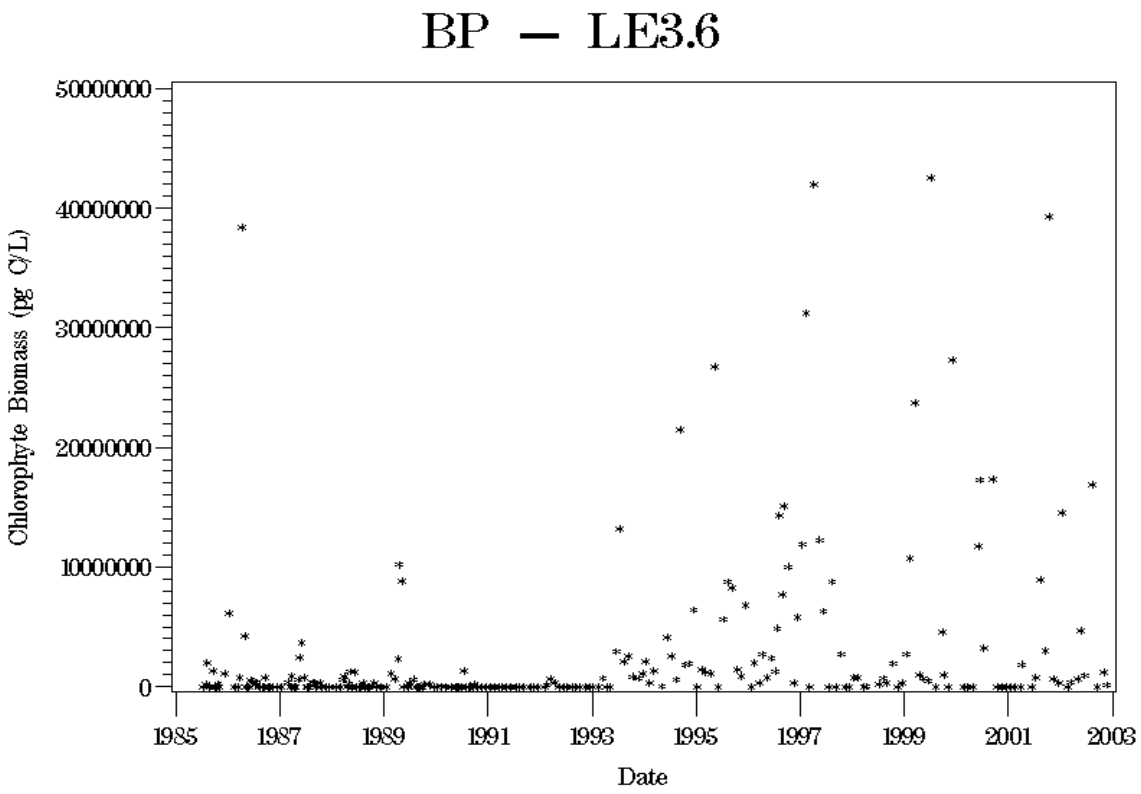

Figure F312. Plot of below pycnocline chlorophyte biomass against time at station LE3.6 for the period of 1985 through 2002.

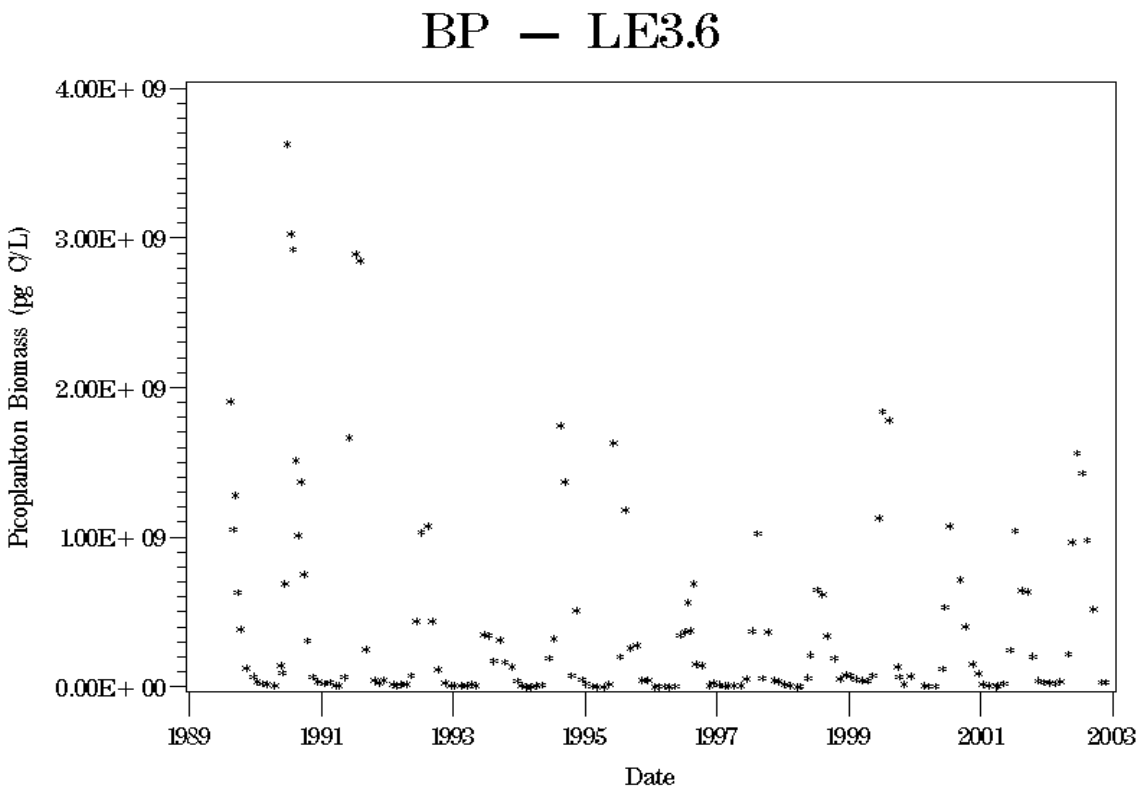

Figure F313. Plot of below pycnocline picoplankton biomass against time at station LE3.6 for the period of 1985 through 2002.

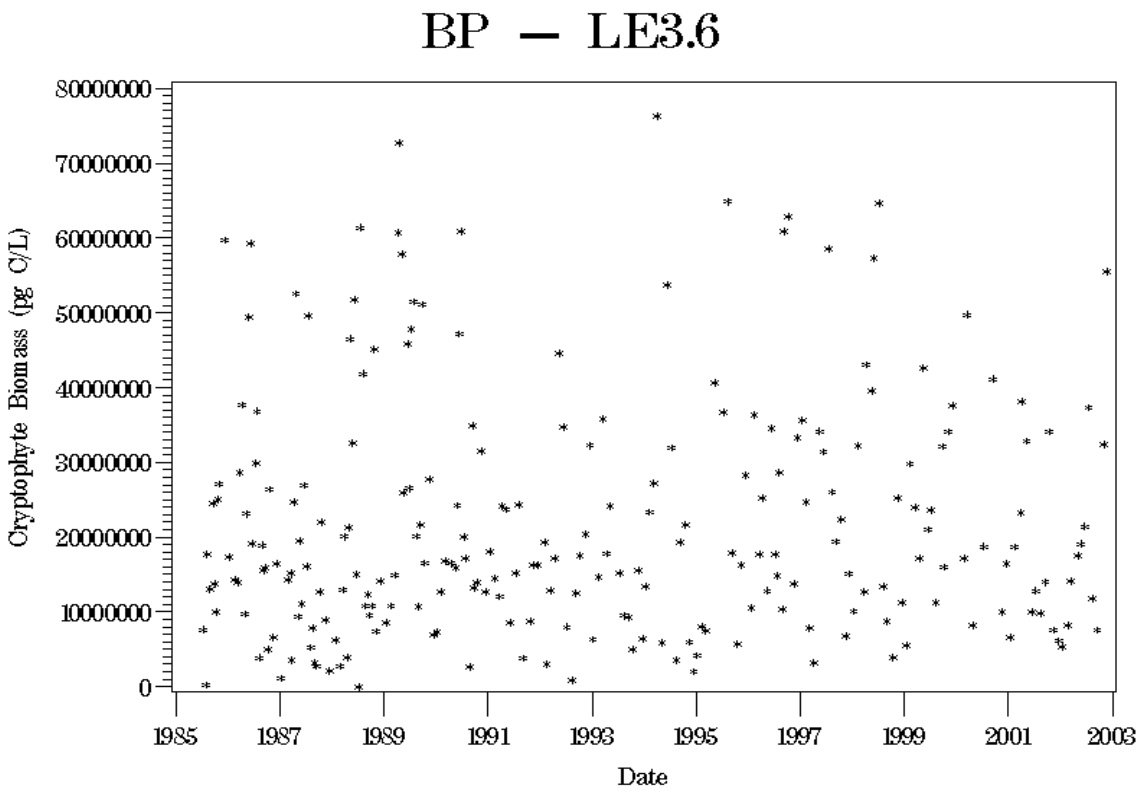

Figure F314. Plot of below pycnocline cryptophyte biomass at station LE3.6 for the period of 1985 through 2002.

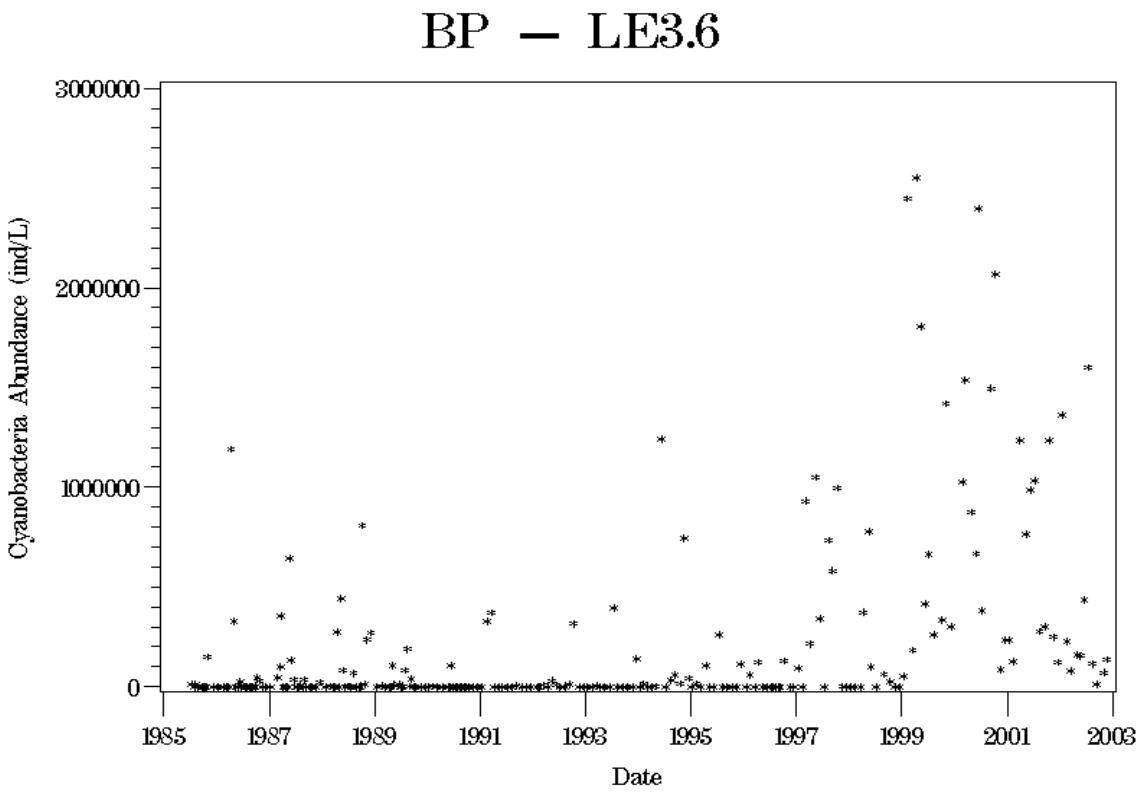

Figure F315. Plot of below pycnocline cyanophyte abundance at station LE3.6 for the period of 1985 through 2002.

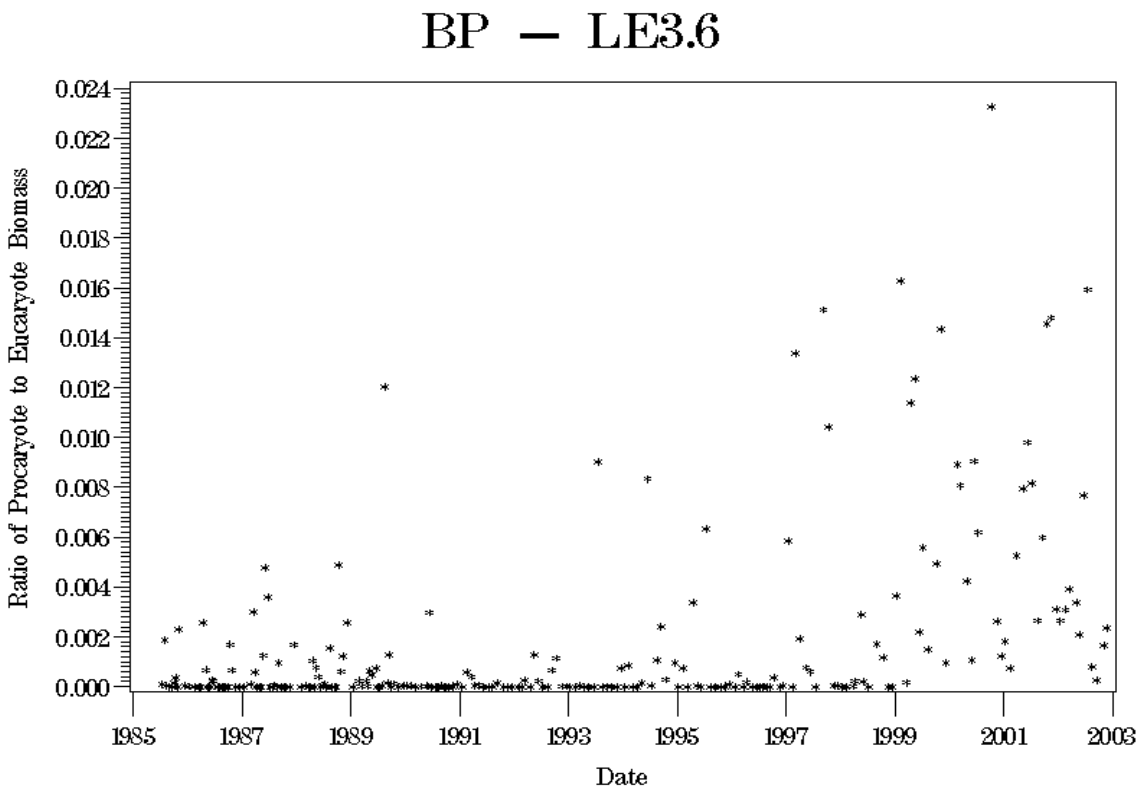

Figure F316. Plot of below pycnocline ratio of procaryote to eucaryote biomass at station LE3.6 for the period of 1985 through 2002.

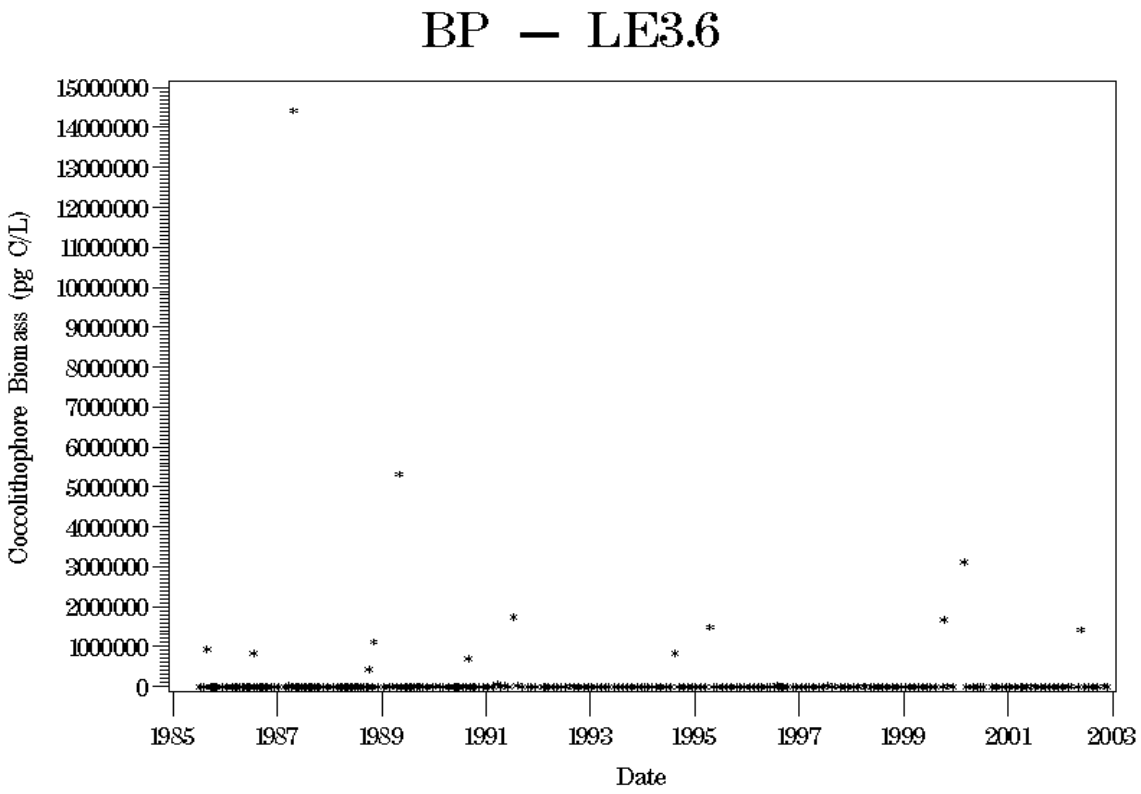

Figure F317. Plot of below pycnocline coccolithophore biomass at station LE3.6 for the period of 1985 through 2002.

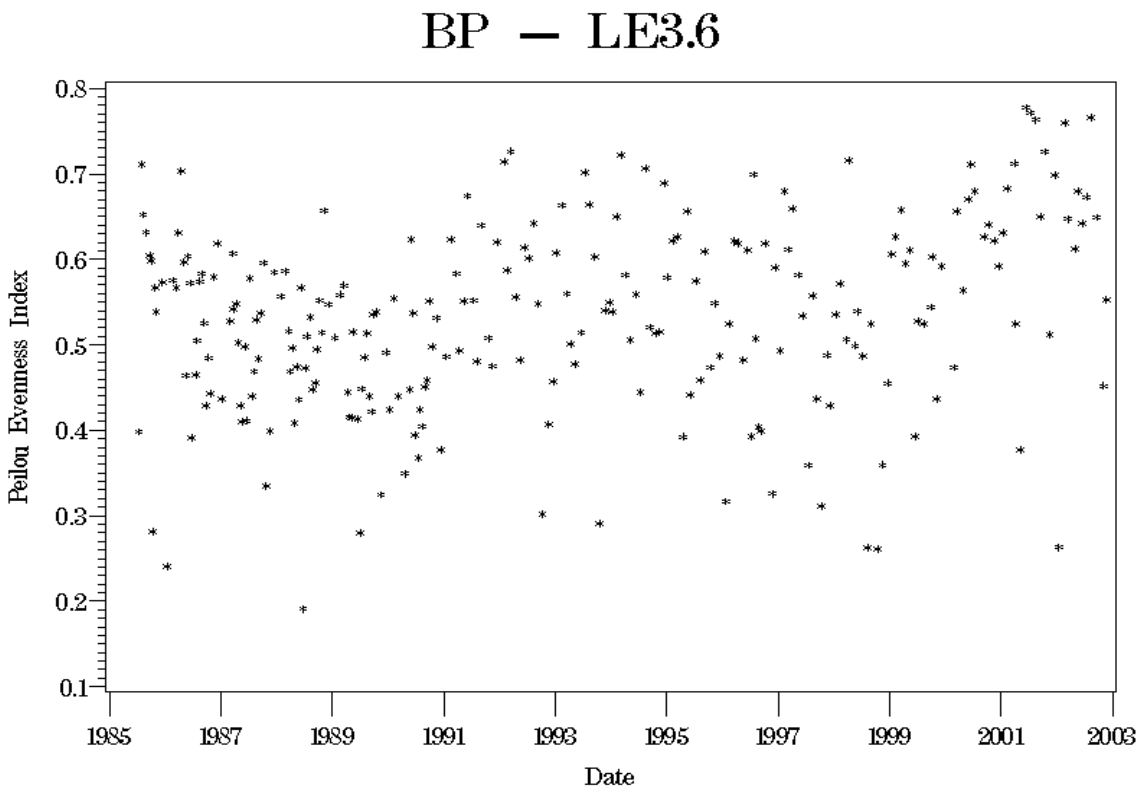

Figure F318. Plot of below pycnocline Pielou evenness index at station LE3.6 for the period of 1985 through 2002.

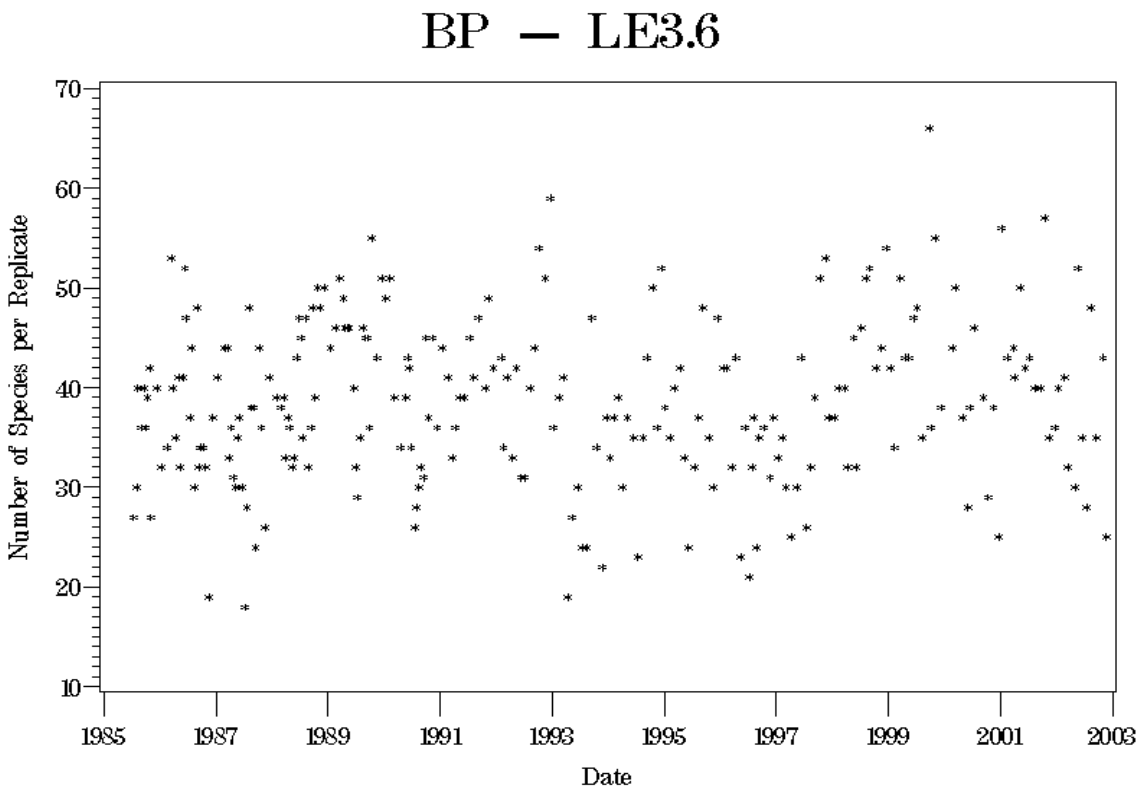

Figure F319. Plot of below pycnocline number of species per replicate at station LE3.6 for the period of 1985 through 2002.

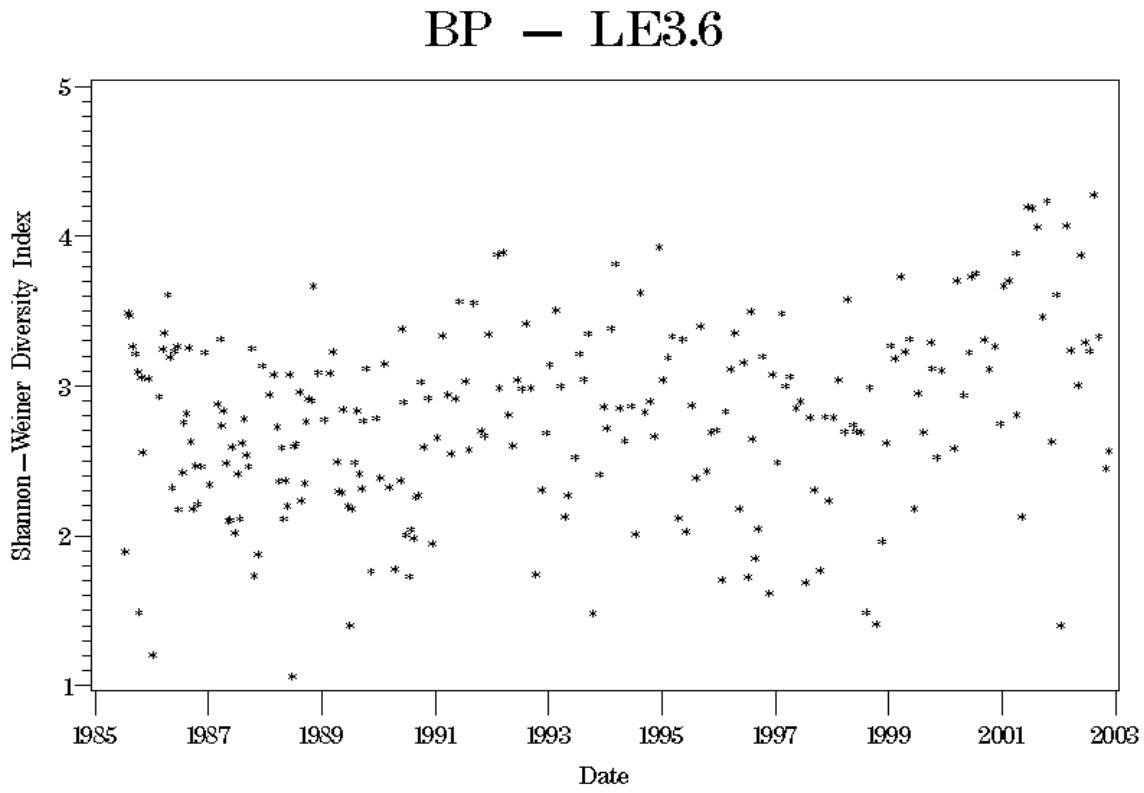

Figure F320. Plot of below pycnocline Shannon-Weiner Diversity index at station LE3.6 for the period of 1985 through 2002.

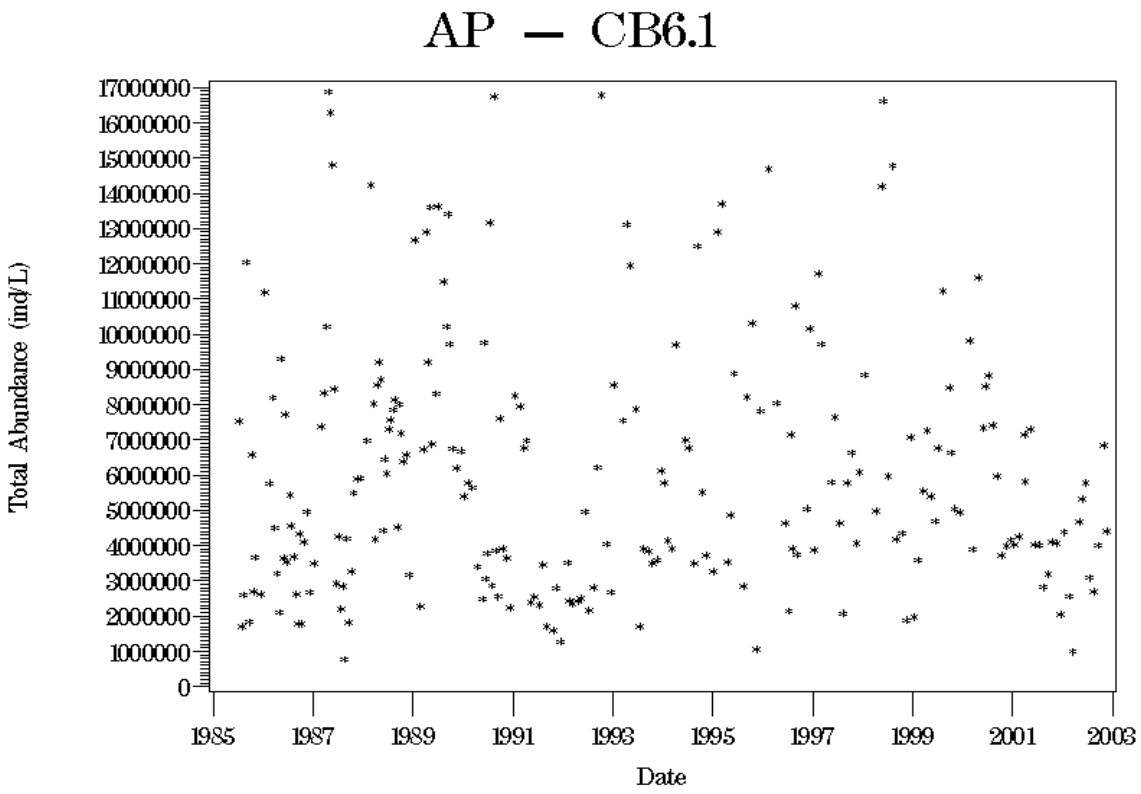

Figure F321. Plot of above pycnocline total phytoplankton abundance against time at station CB6.1 for the period of 1985 through 2002.

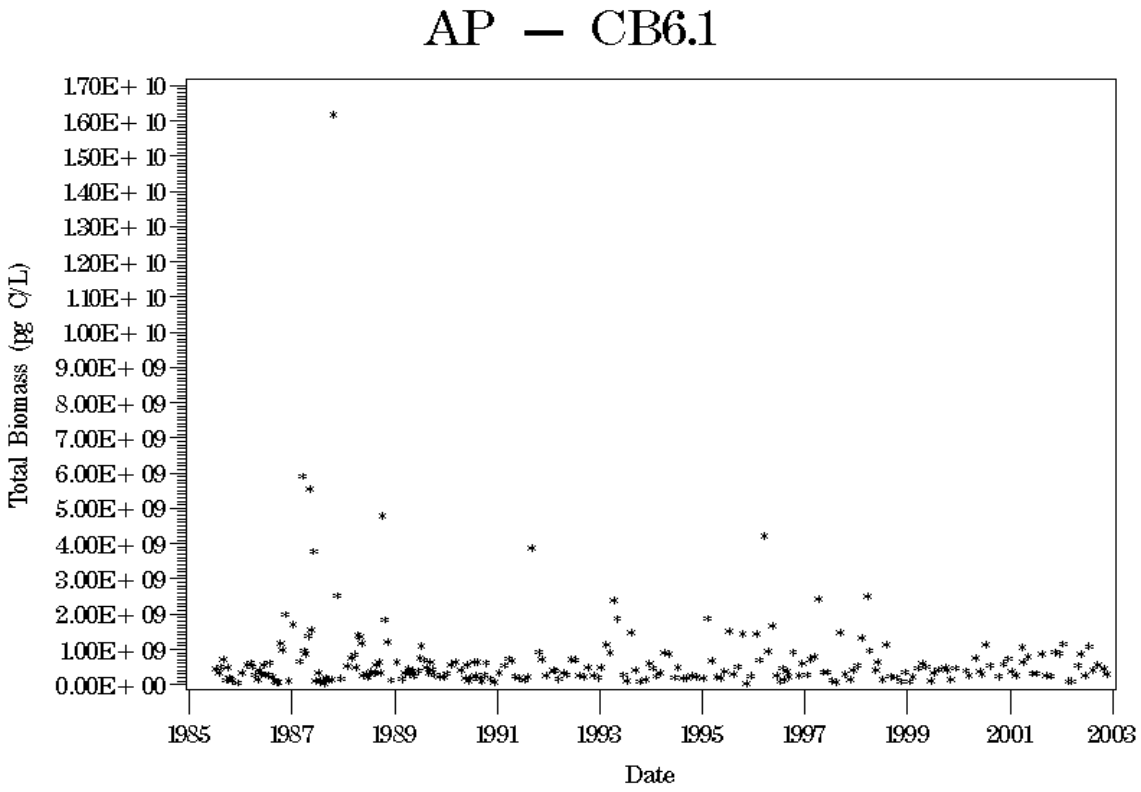

Figure F322. Plot of above pycnocline total phytoplankton biomass against time at station CB6.1 for the period of 1985 through 2002.

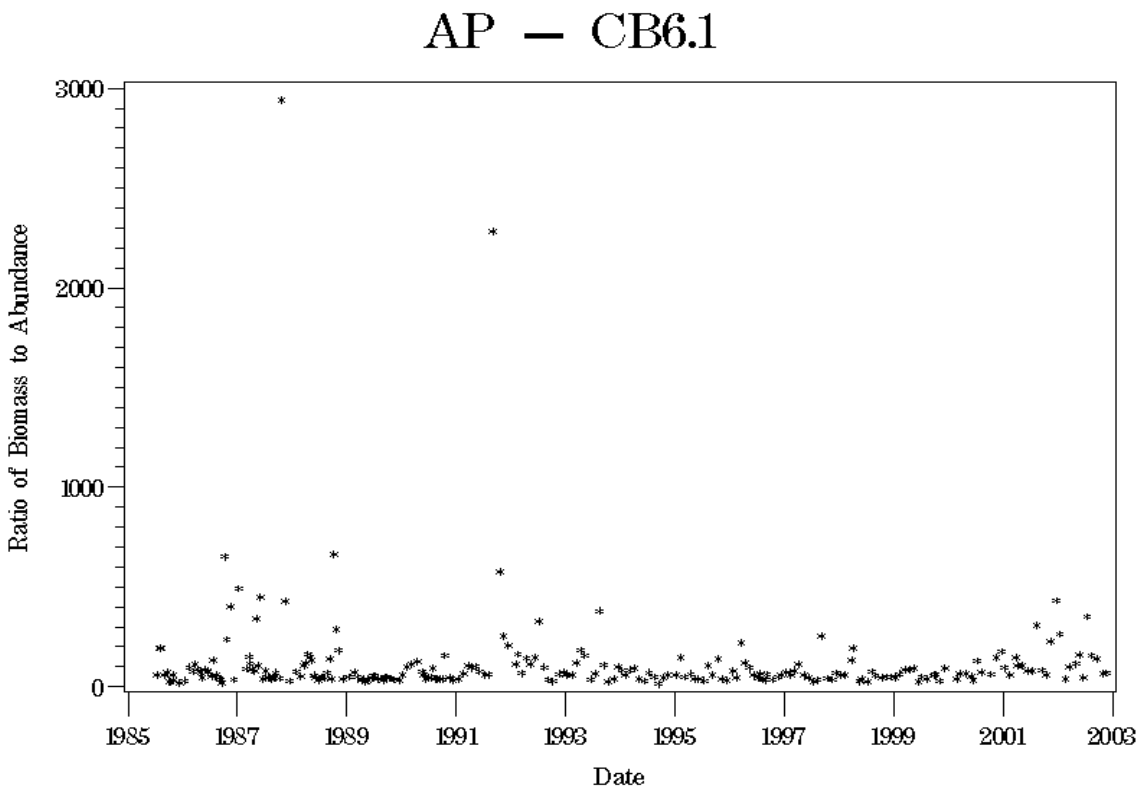

Figure F323. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB6.1 for the period of 1985 through 2002.

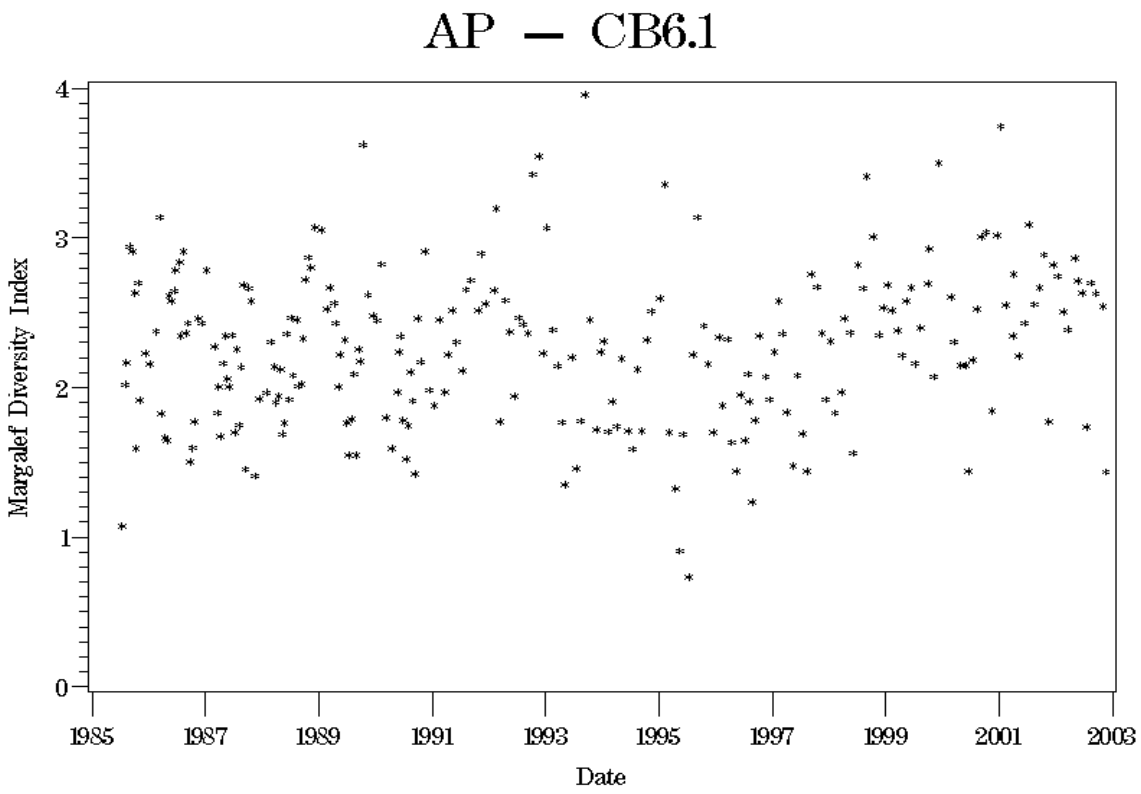

Figure F324. Plot of above pycnocline Margalef diversity index against time at station CB6.1 for the period of 1985 through 2002.

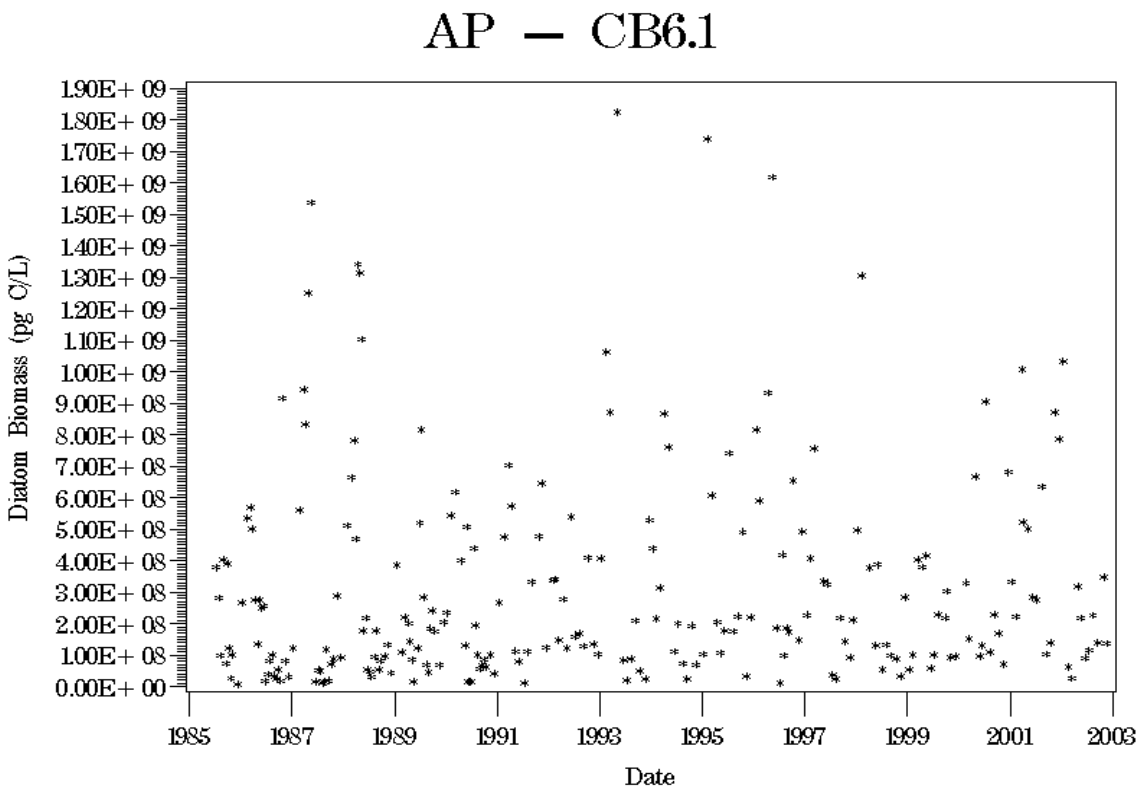

Figure F325. Plot of above pycnocline diatom biomass against time at station CB6.1 for the period of 1985 through 2002.

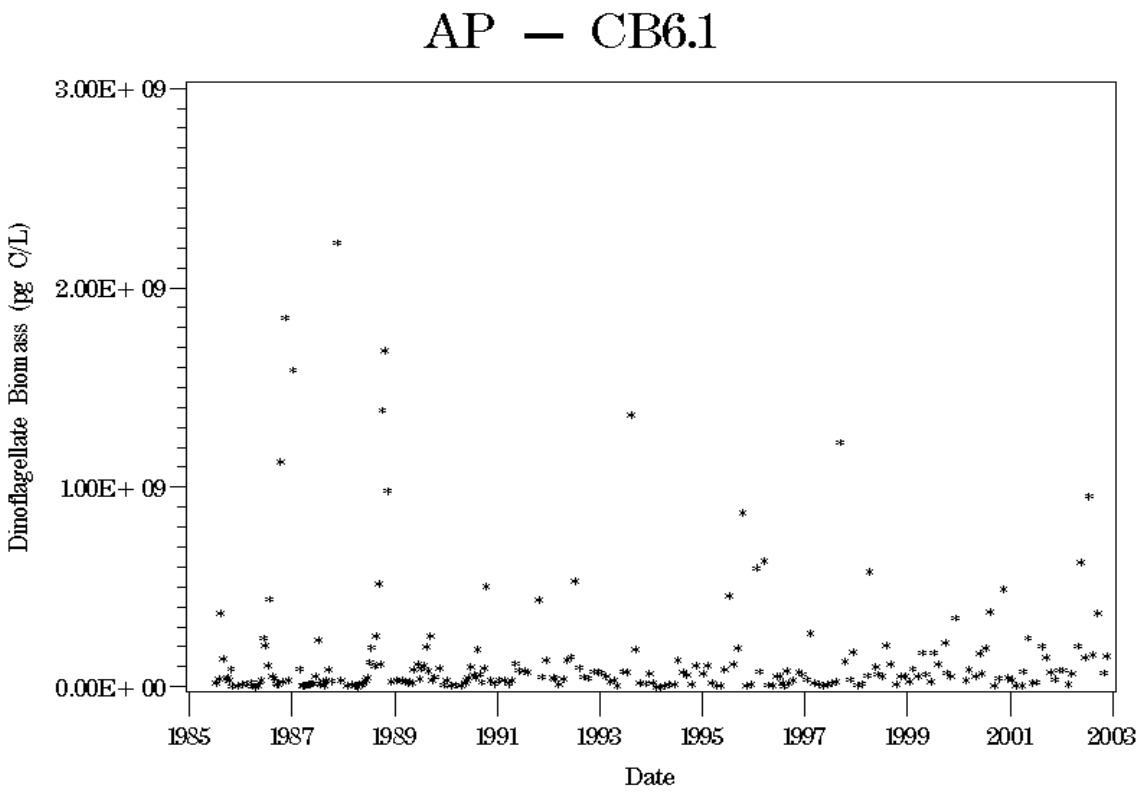

Figure F326. Plot of above pycnocline dinoflagellate biomass against time at station CB6.1 for the period of 1985 through 2002.

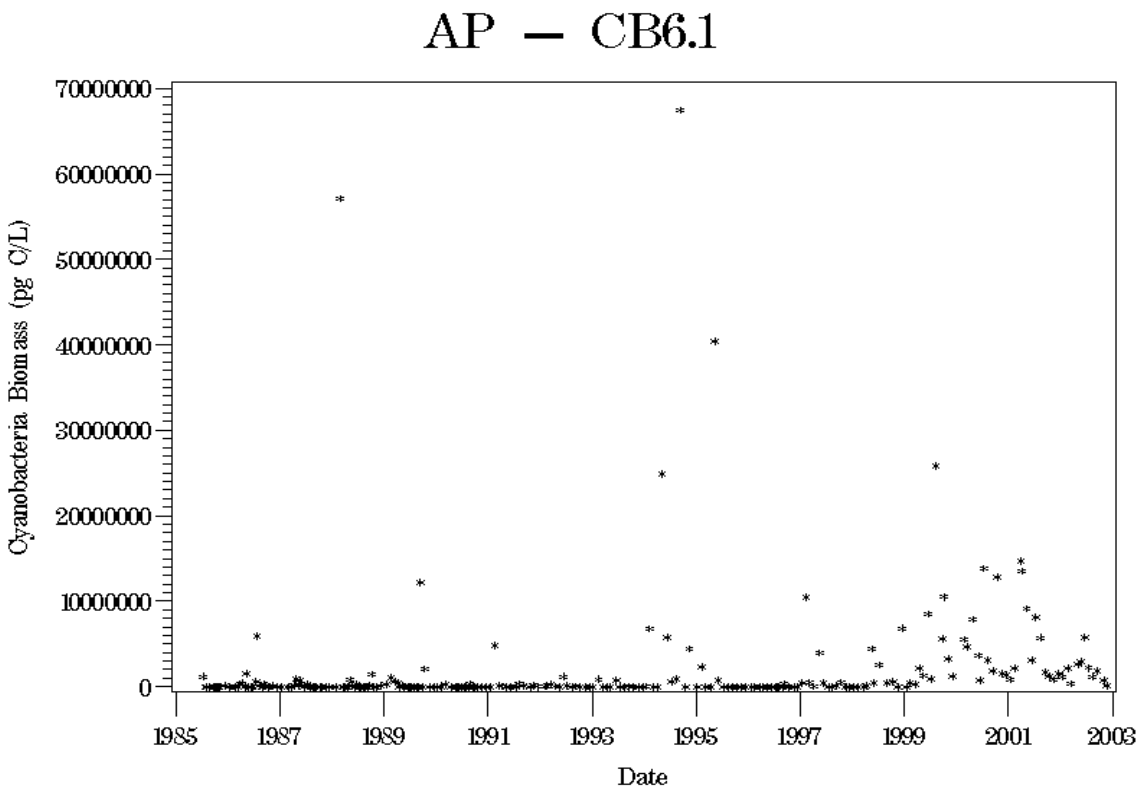

Figure F327. Plot of above pycnocline cyanobacteria biomass against time at station CB6.1 for the period of 1985 through 2002.

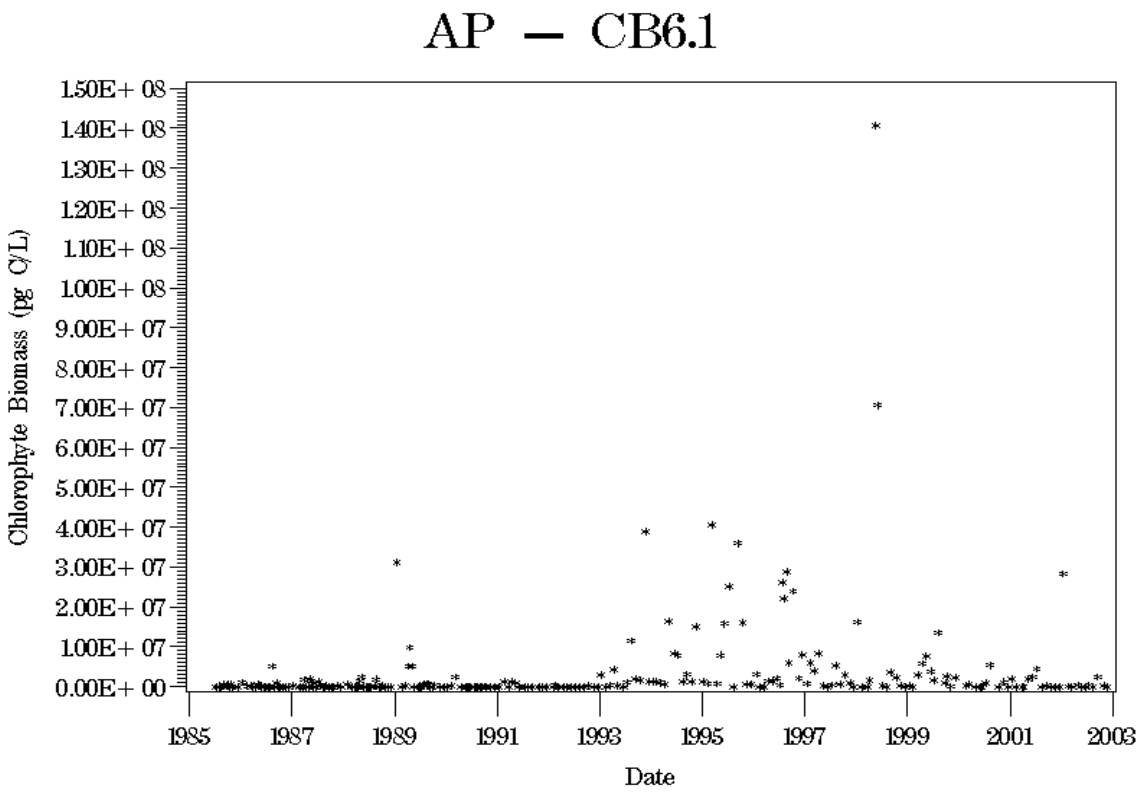

Figure F328. Plot of above pycnocline chlorophyte biomass against time at station CB6.1 for the period of 1985 through 2002.

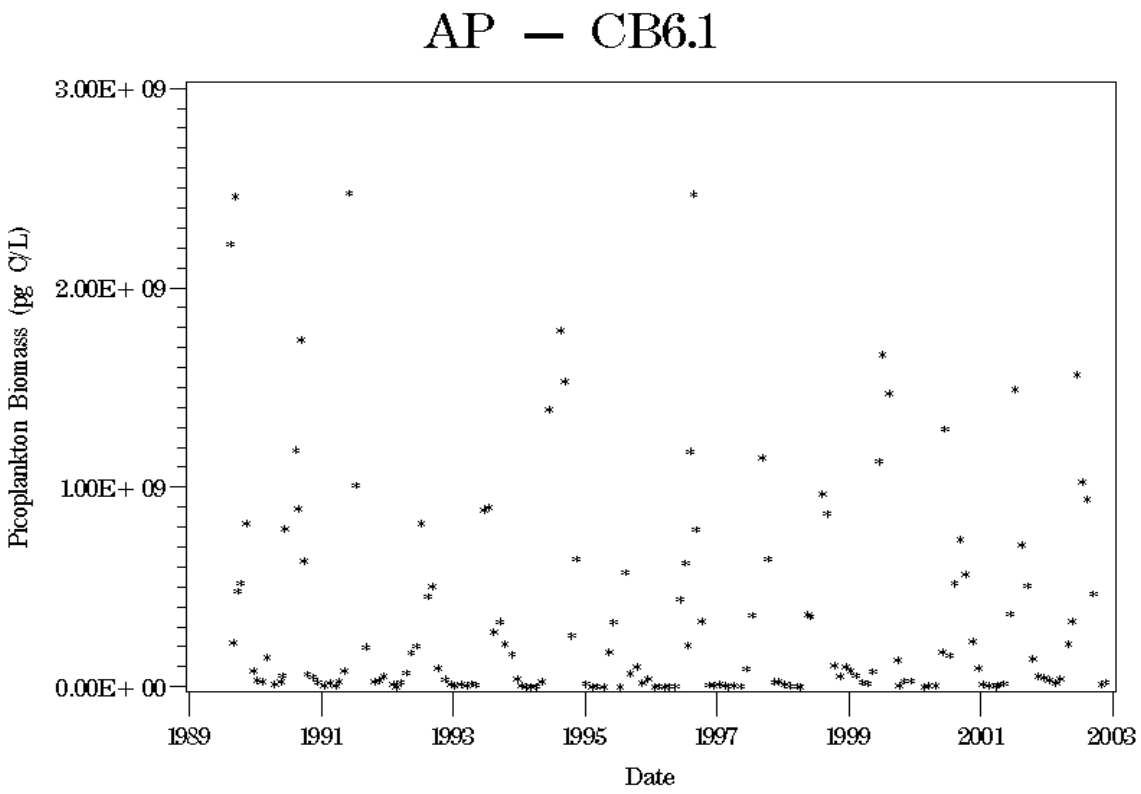

Figure F329. Plot of above pycnocline picoplankton biomass against time at station CB6.1 for the period of 1985 through 2002.

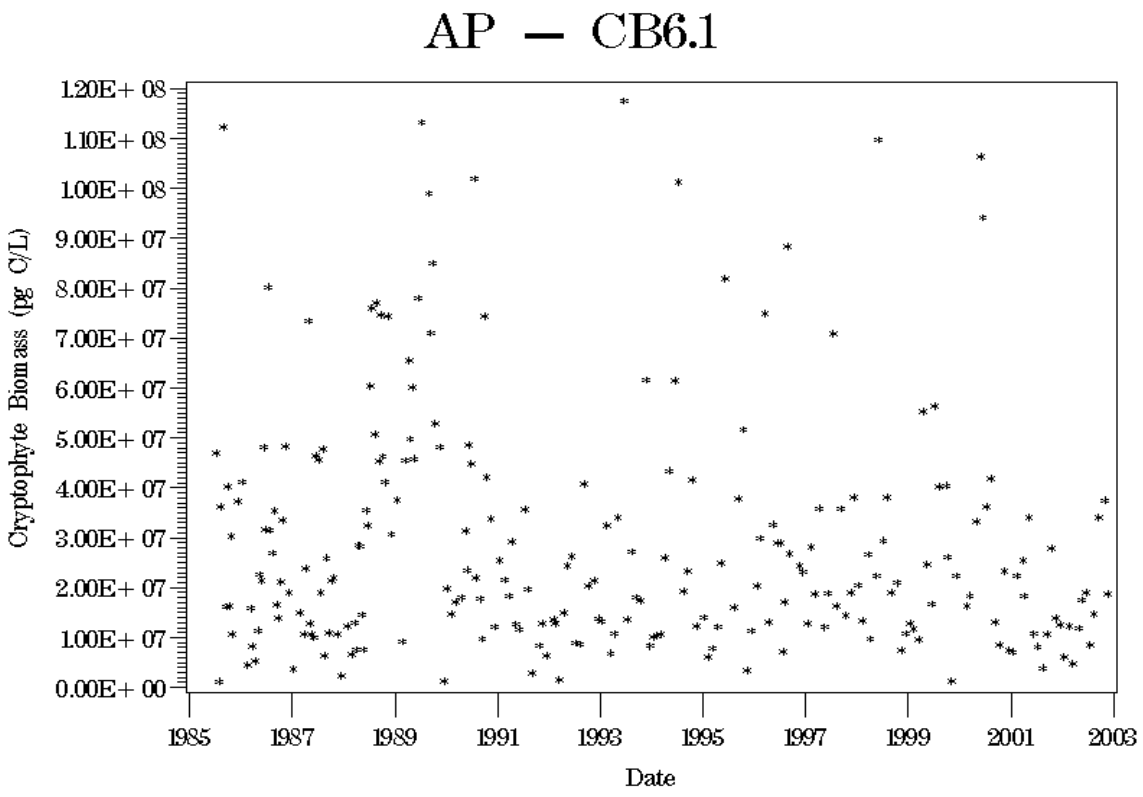

Figure F330. Plot of above pycnocline cryptophyte biomass at station CB6.1 for the period of 1985 through 2002.

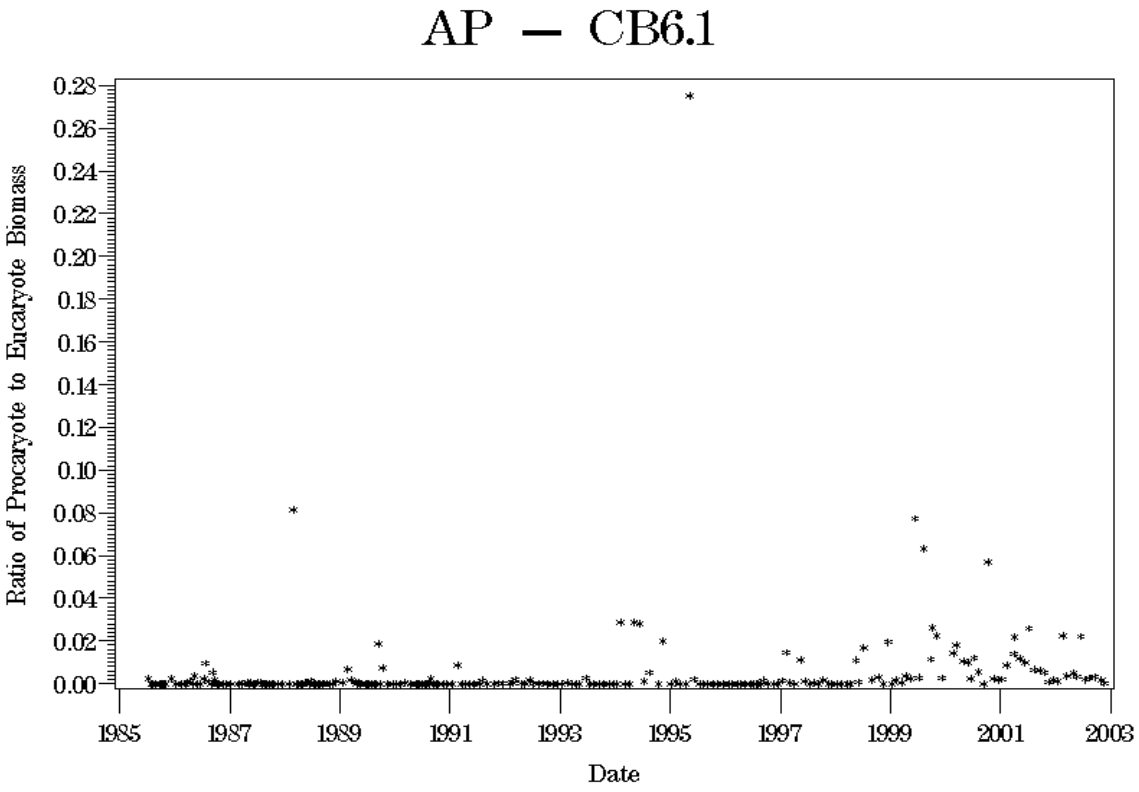

Figure F331. Plot of above pycnocline ratio of procaryote to eucaryote biomass at station CB6.1 for the period of 1985 through 2002.

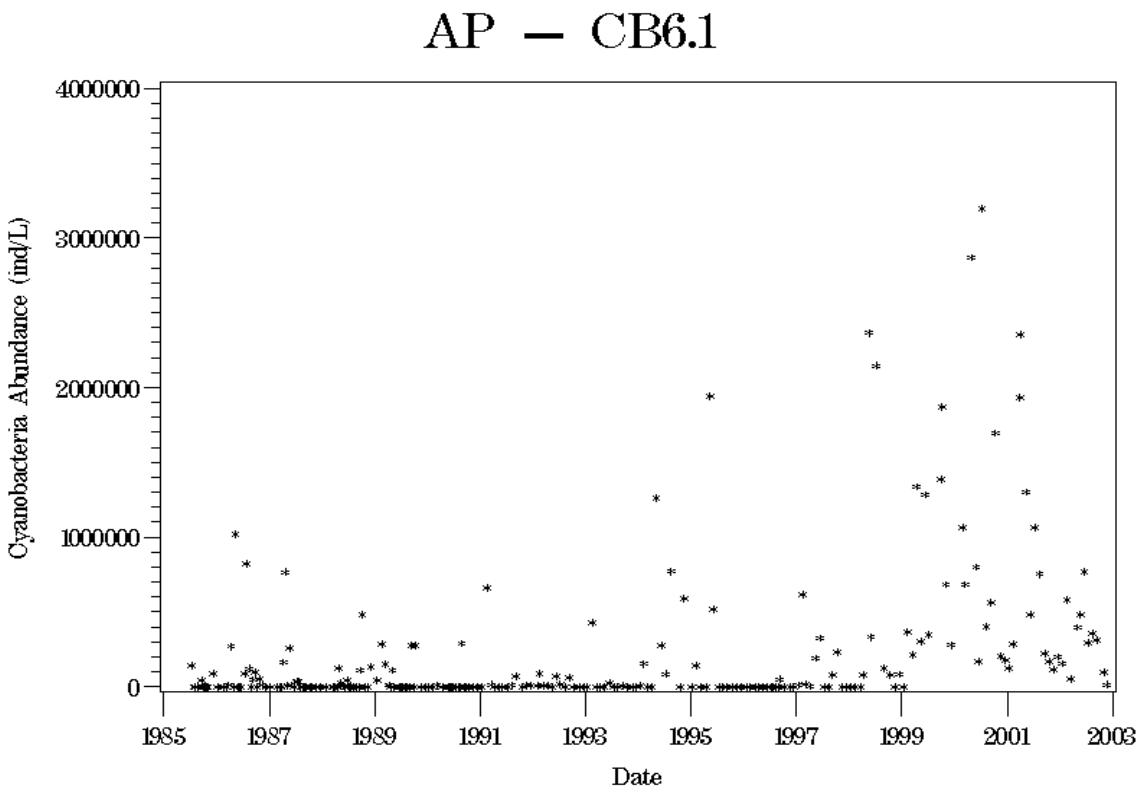

Figure F332. Plot of above pycnocline cyanophyte abundance at station CB6.1 for the period of 1985 through 2002.

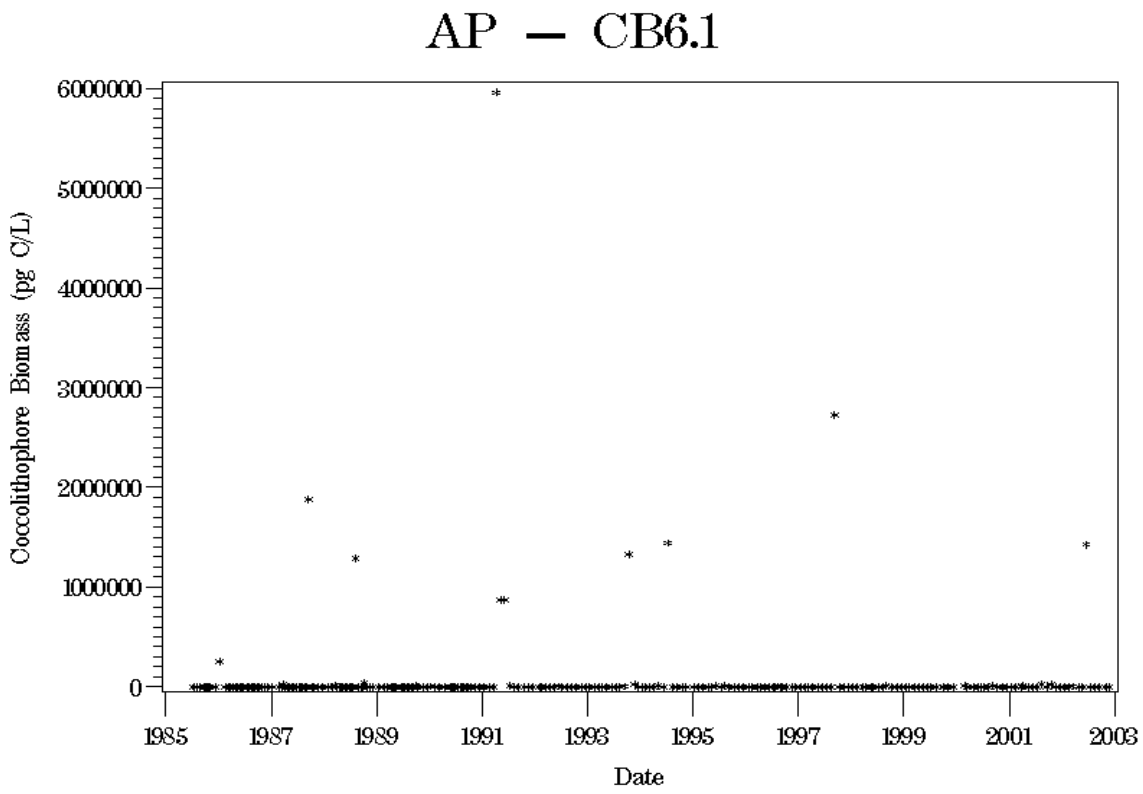

Figure F333. Plot of above pycnocline coccolithophore biomass at station CB6.1 for the period of 1985 through 2002.

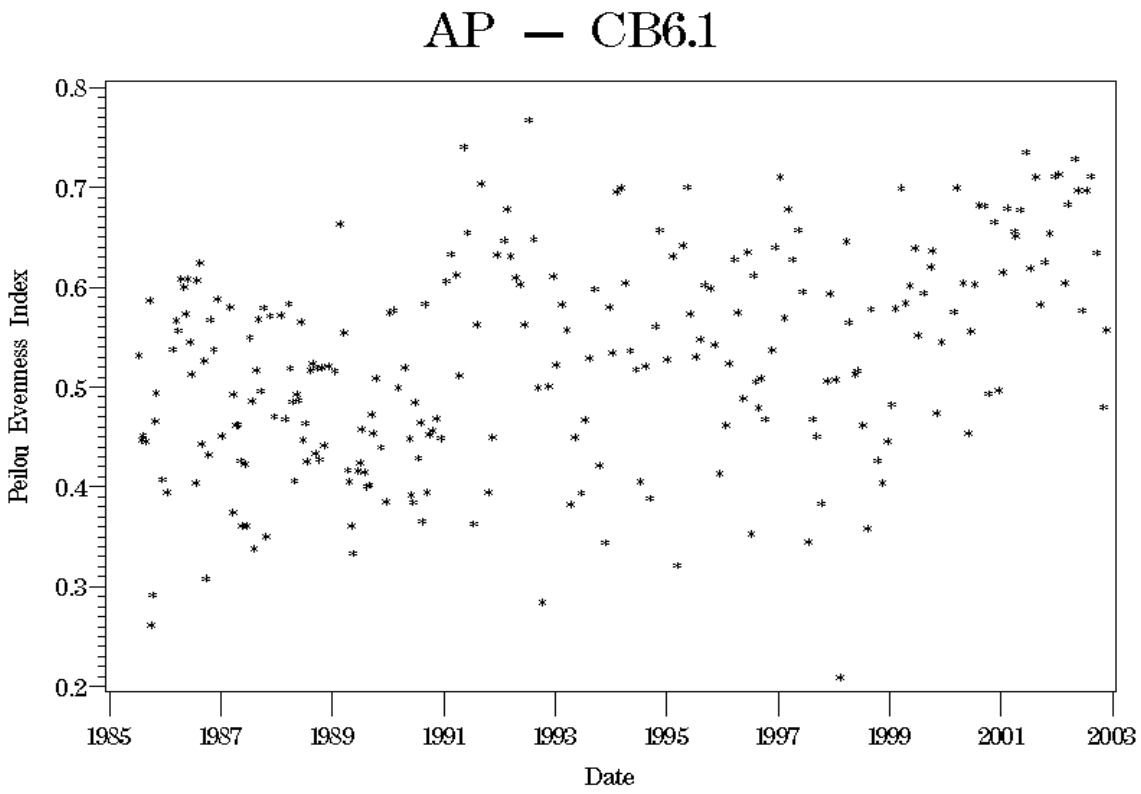

Figure F334. Plot of above pycnocline Pielou evenness index abundance at station CB6.1 for the period of 1985 through 2002.

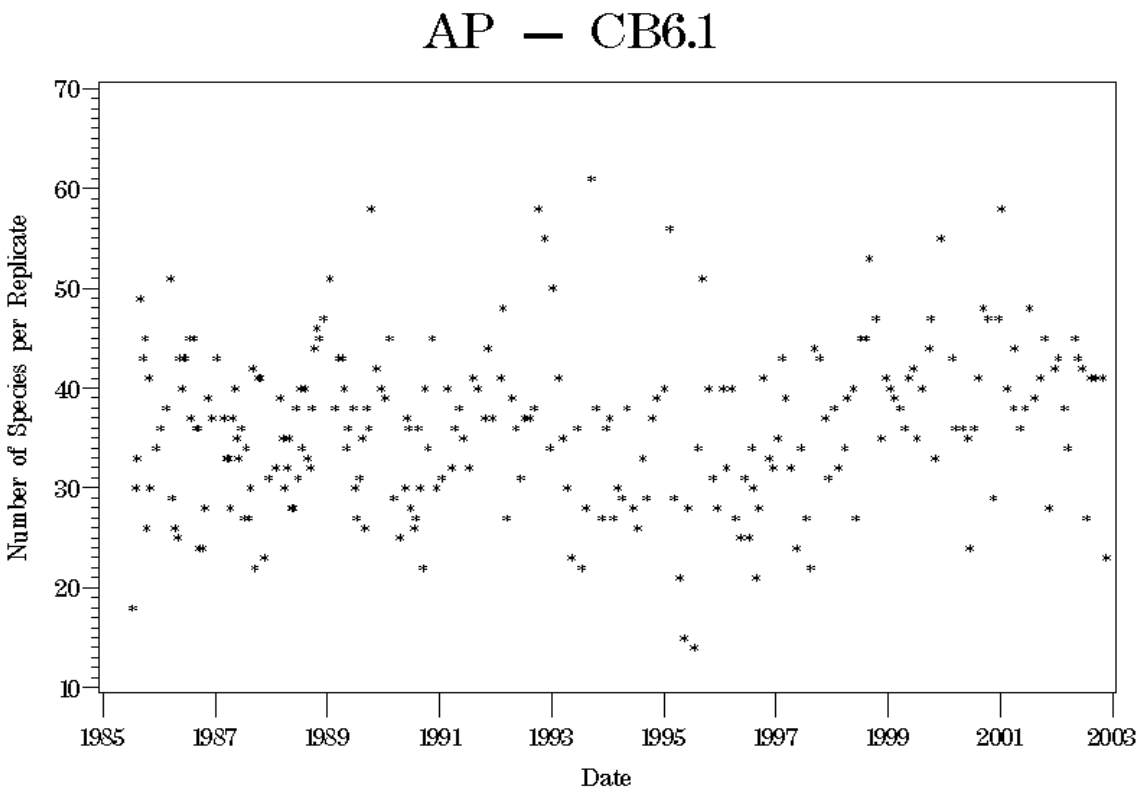

Figure F335. Plot of above pycnocline number of species per replicate at station CB6.1 for the period of 1985 through 2002.

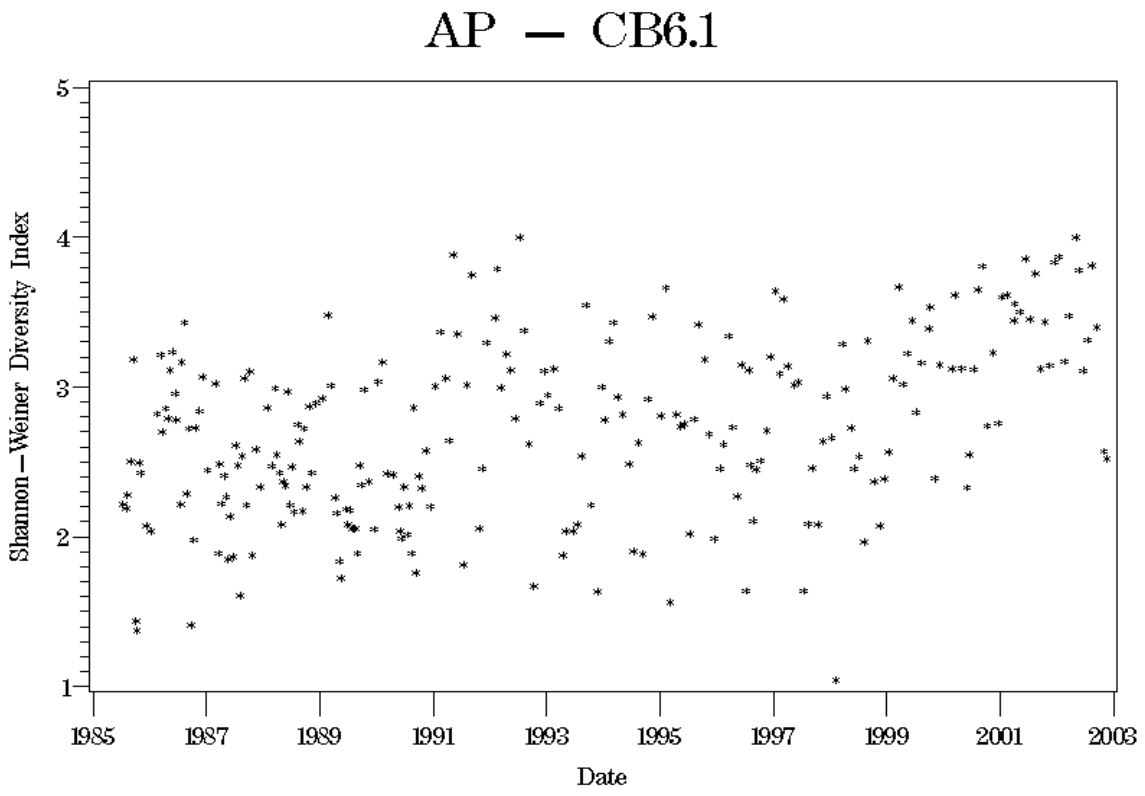

Figure F336. Plot of above pycnocline Shannon-Weiner Diversity index at station CB6.1 for the period of 1985 through 2002.

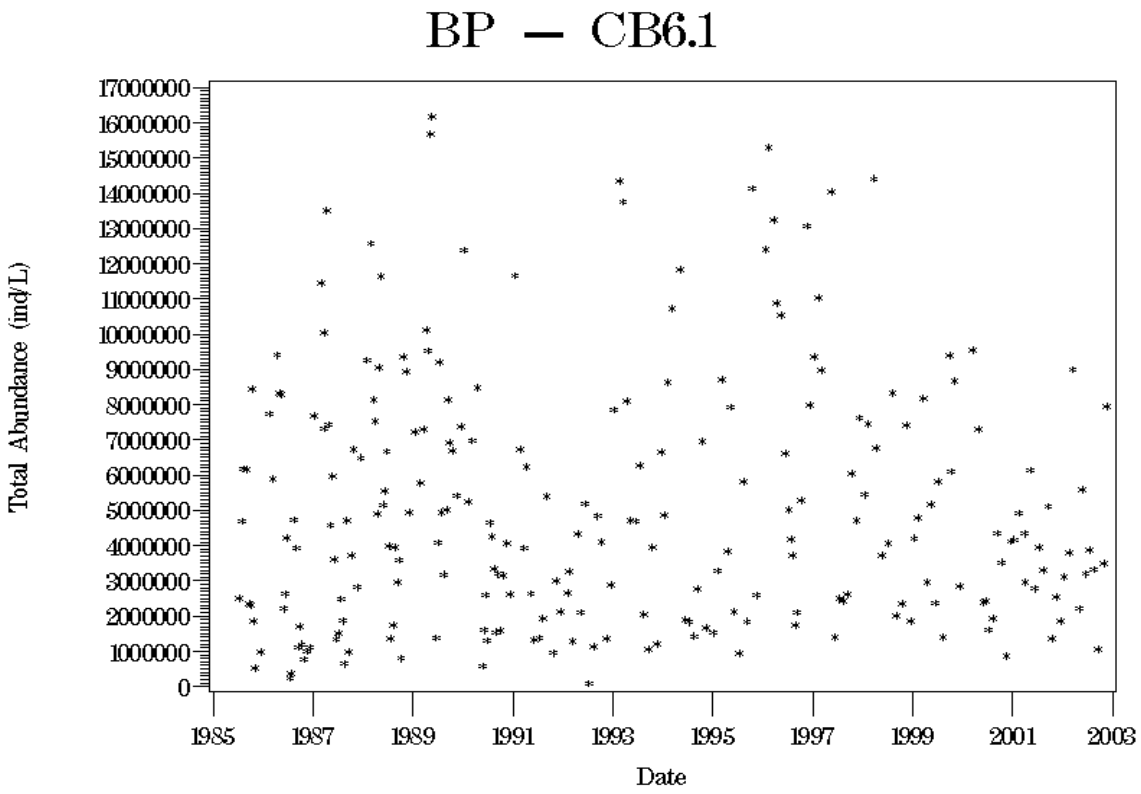

Figure F337. Plot of below pycnocline total phytoplankton abundance against time at station CB6.1 for the period of 1985 through 2002.

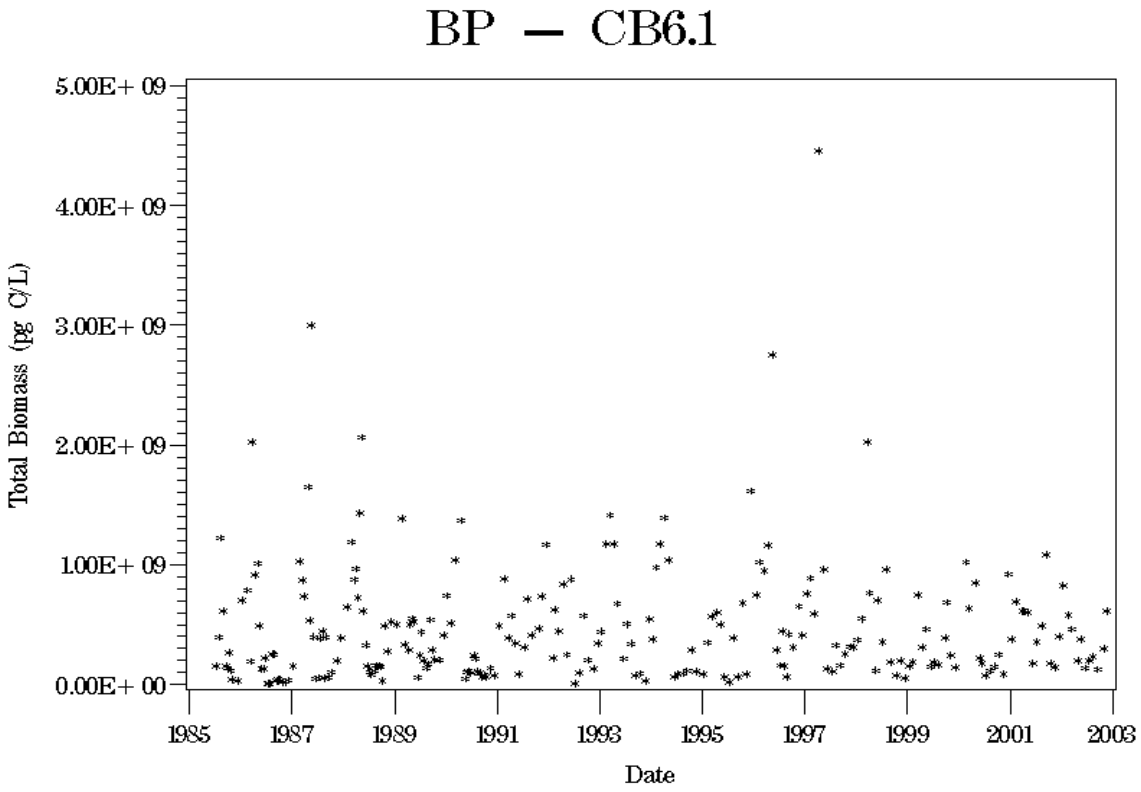

Figure F338. Plot of below pycnocline total phytoplankton biomass against time at station CB6.1 for the period of 1985 through 2002.

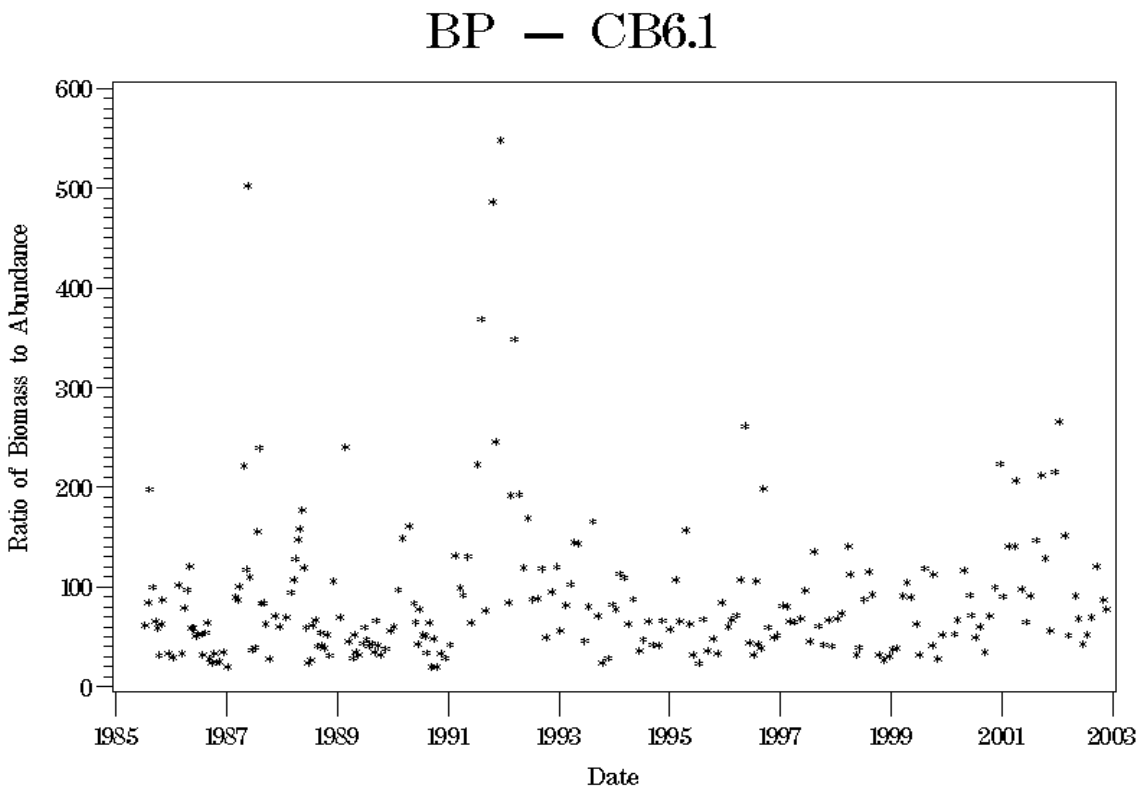

Figure F339. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB6.1 for the period of 1985 through 2002.

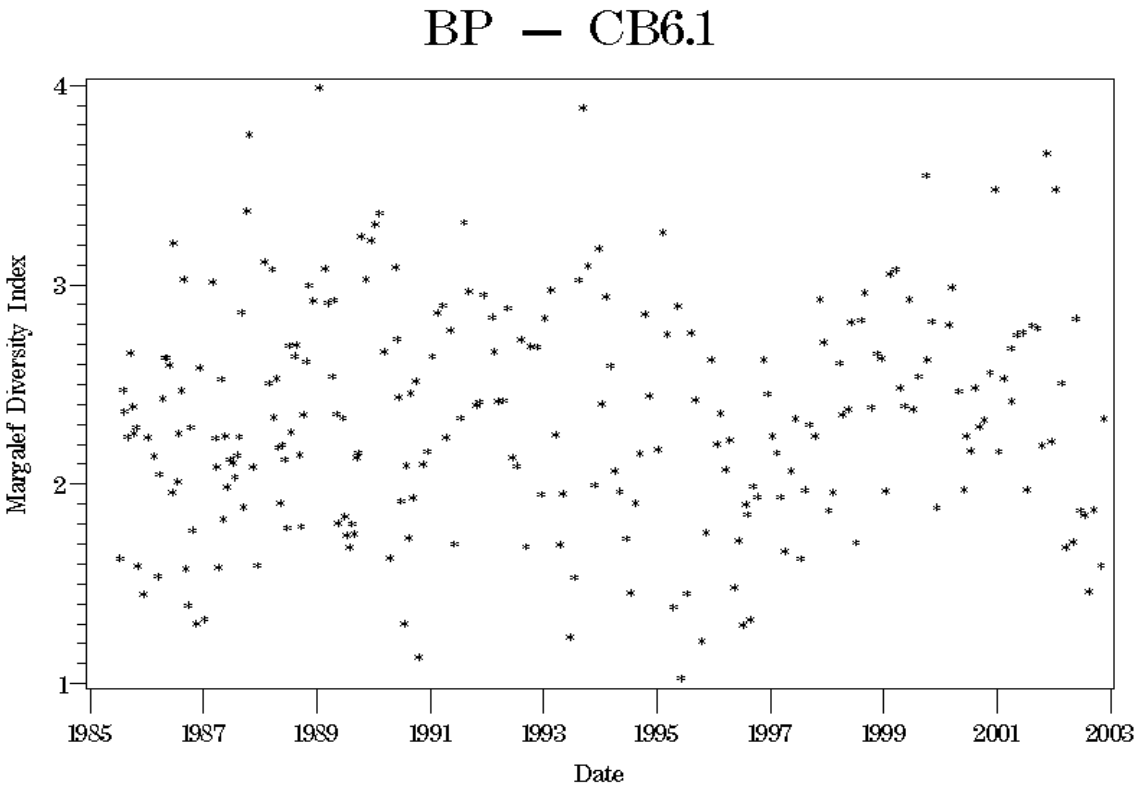

Figure F340. Plot of below pycnocline Margalef diversity index against time at station CB6.1 for the period of 1985 through 2002.

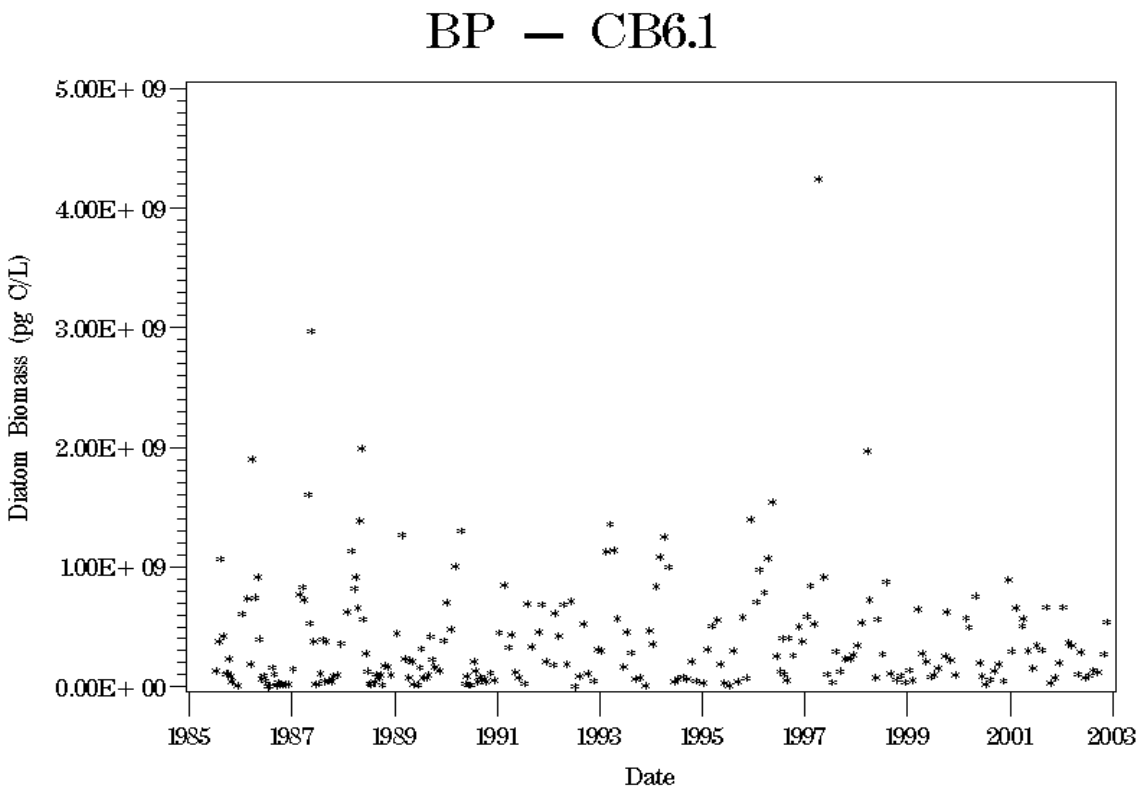

Figure F341. Plot of below pycnocline diatom biomass against time at station CB6.1 for the period of 1985 through 2002.

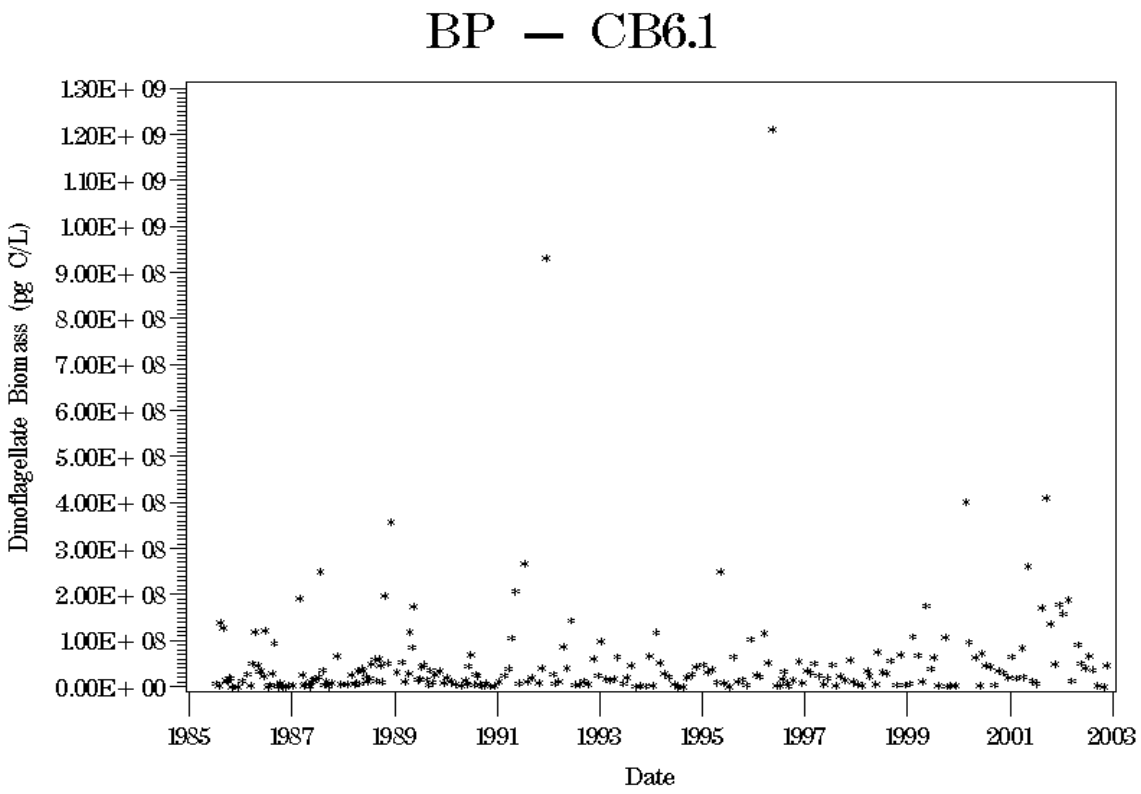

Figure F342. Plot of below pycnocline dinoflagellate biomass against time at station CB6.1 for the period of 1985 through 2002.

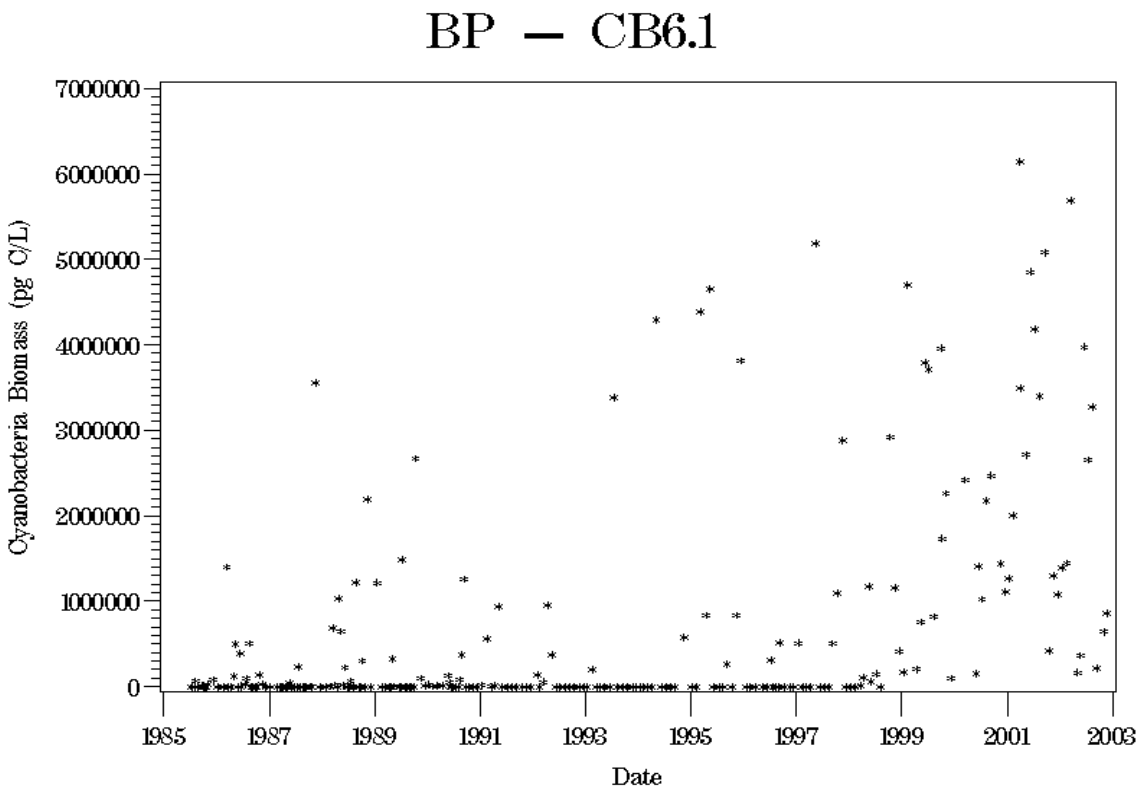

Figure F343. Plot of below pycnocline cyanobacteria biomass against time at station CB6.1 for the period of 1985 through 2002.

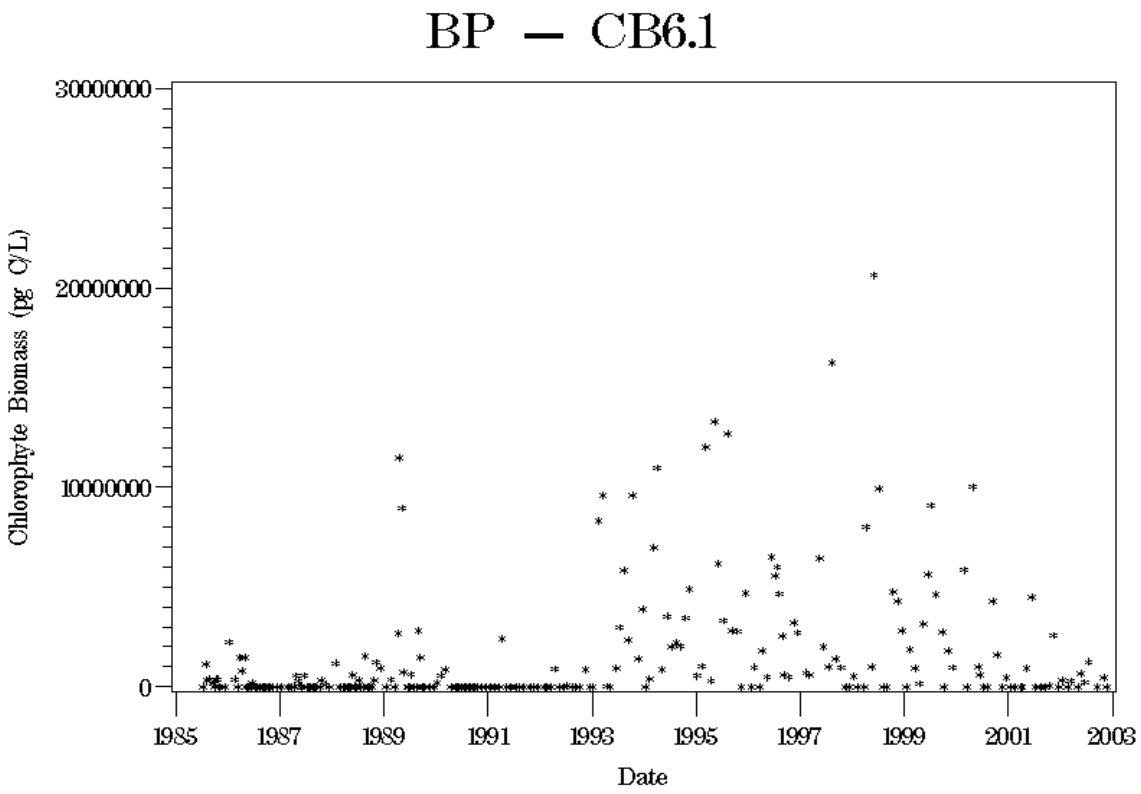

Figure F344. Plot of below pycnocline chlorophyte biomass against time at station CB6.1 for the period of 1985 through 2002.

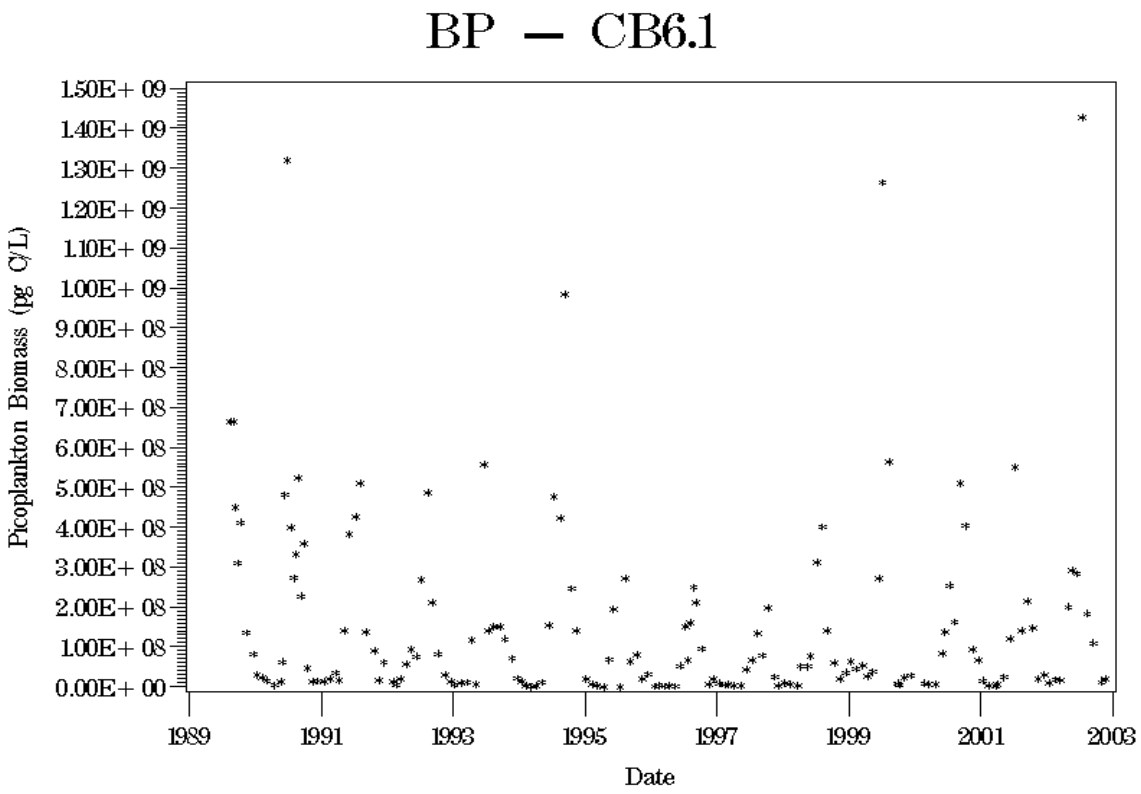

Figure F345. Plot of below pycnocline picoplankton biomass against time at station CB6.1 for the period of 1985 through 2002.

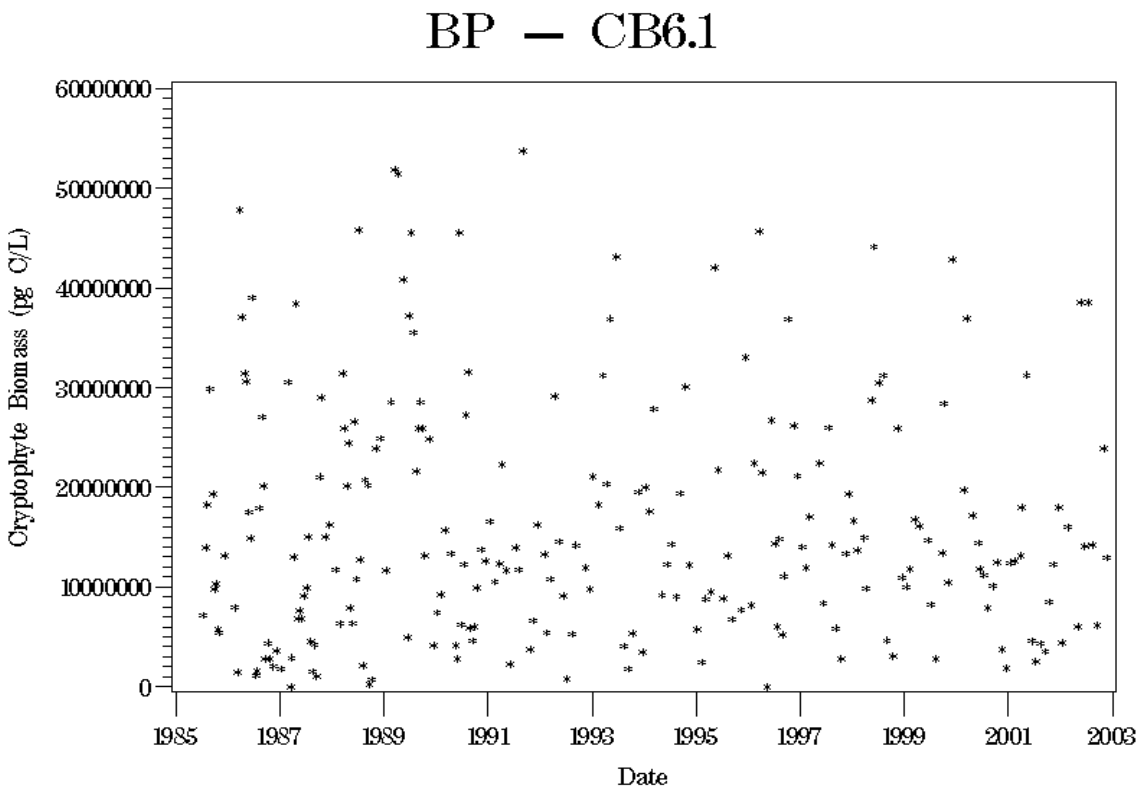

Figure F346. Plot of below pycnocline cryptophyte biomass at station CB6.1 for the period of 1985 through 2002.

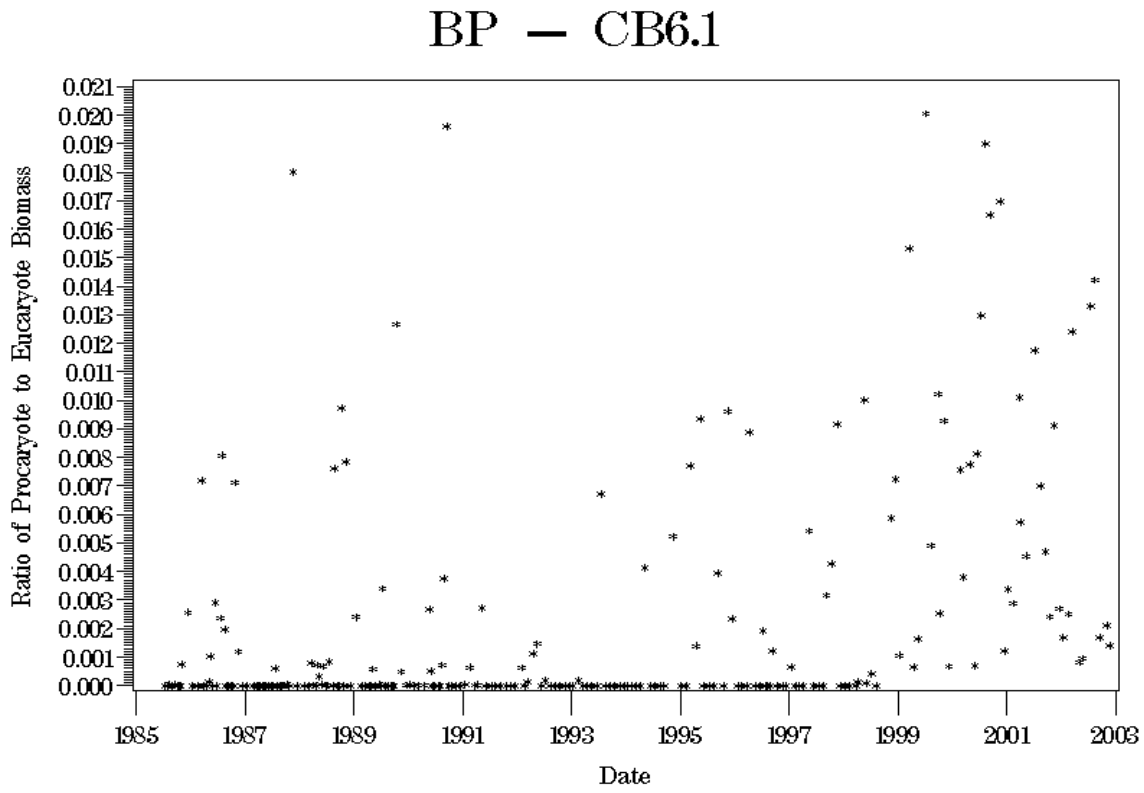

Figure F347. Plot of below pycnocline ratio of procaryote to eucaryote biomass at station CB6.1 for the period of 1985 through 2002.

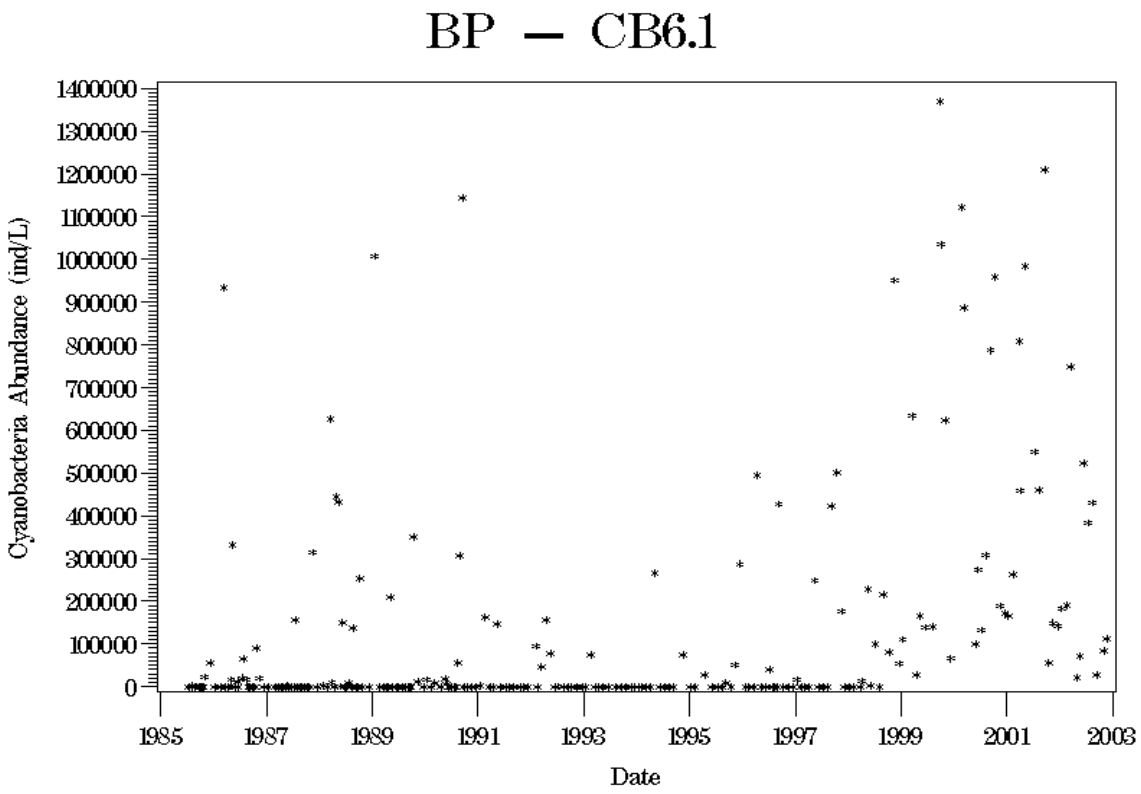

Figure F348. Plot of below pycnocline cyanophyte abundance at station CB6.1 for the period of 1985 through 2002.

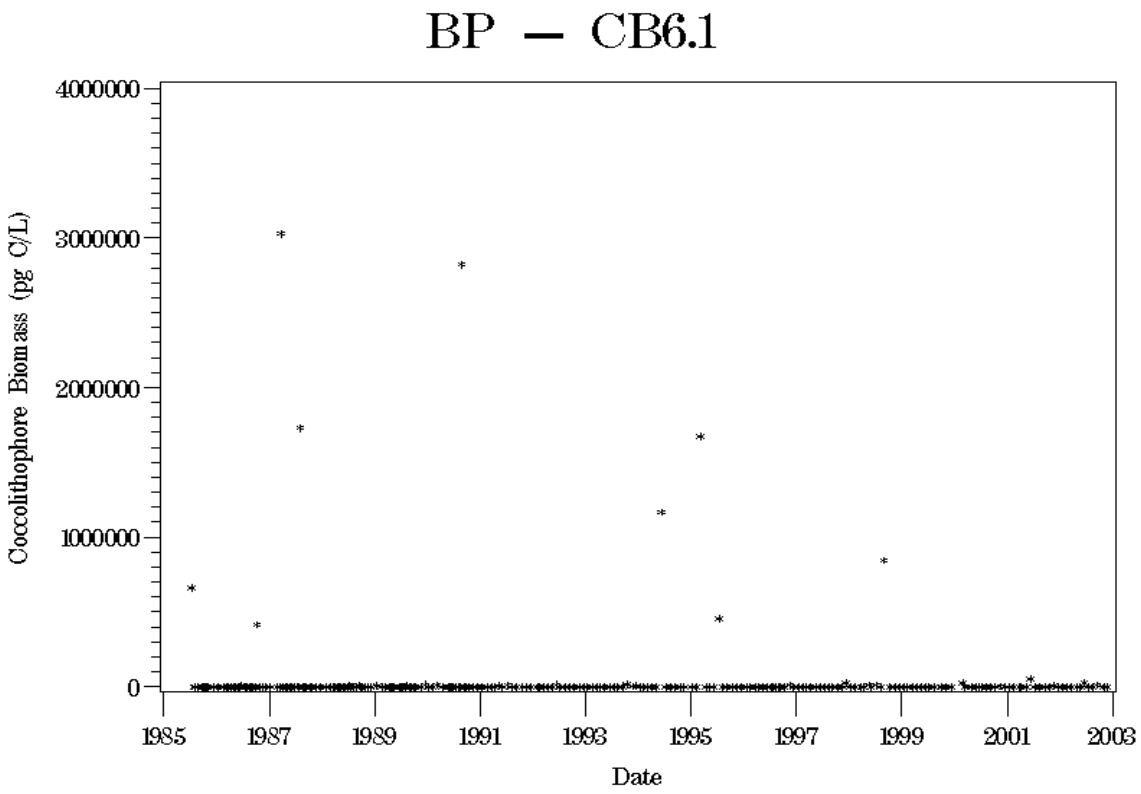

Figure F349. Plot of below pycnocline coccolithophore biomass at station CB6.1 for the period of 1985 through 2002.

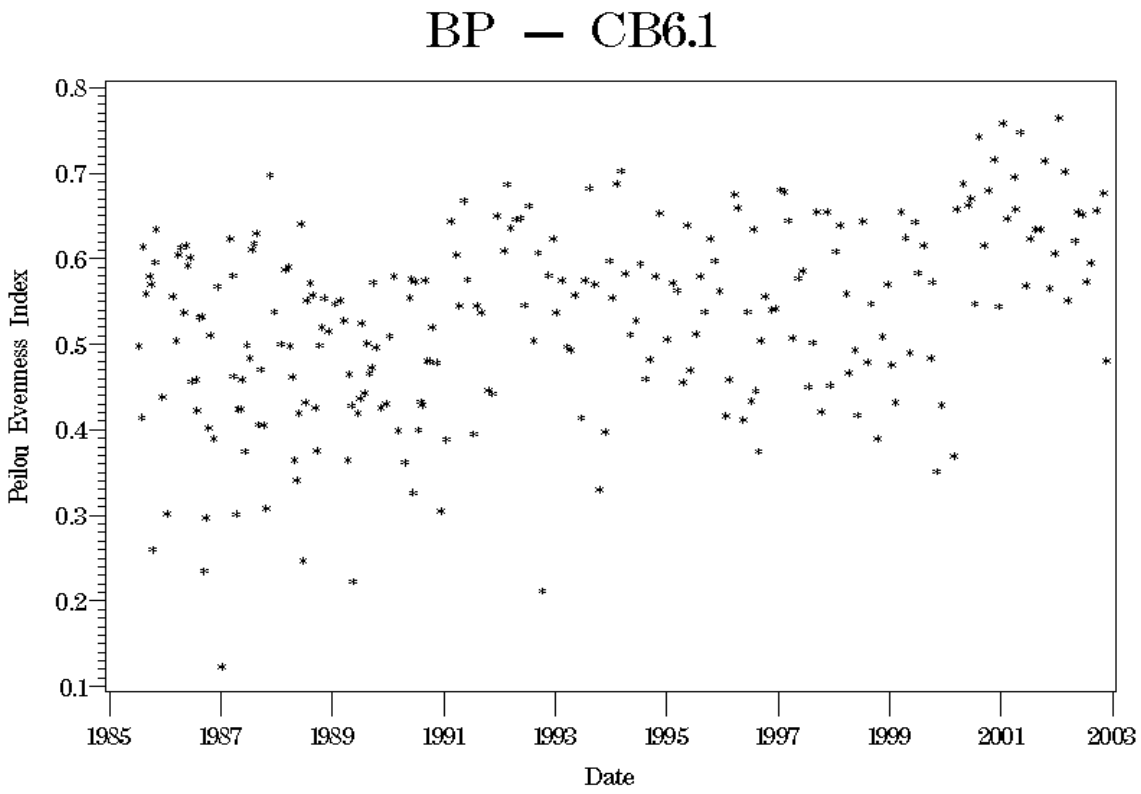

Figure F350. Plot of below pycnocline Pielou evenness index at station CB6.1 for the period of 1985 through 2002.

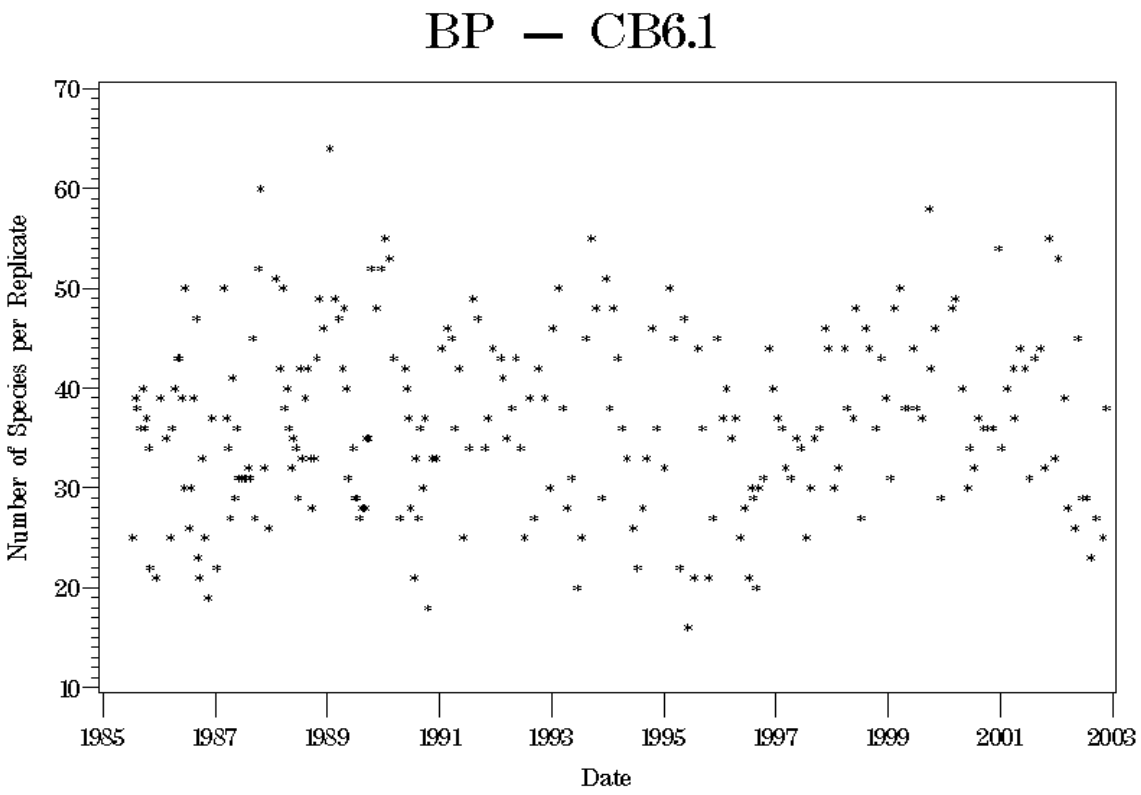

Figure F351. Plot of below pycnocline number of species per replicate at station CB6.1 for the period of 1985 through 2002.

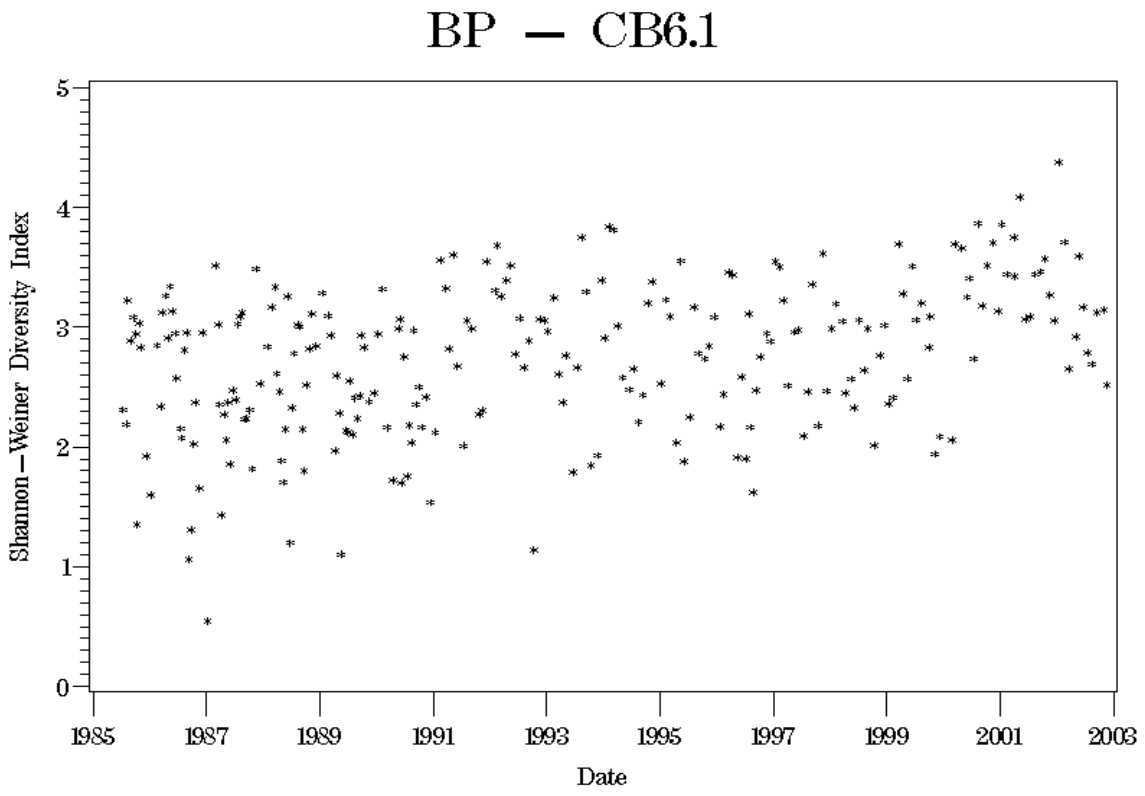

Figure F352. Plot of below pycnocline Shannon-Weiner Diversity index at station CB6.1 for the period of 1985 through 2002.

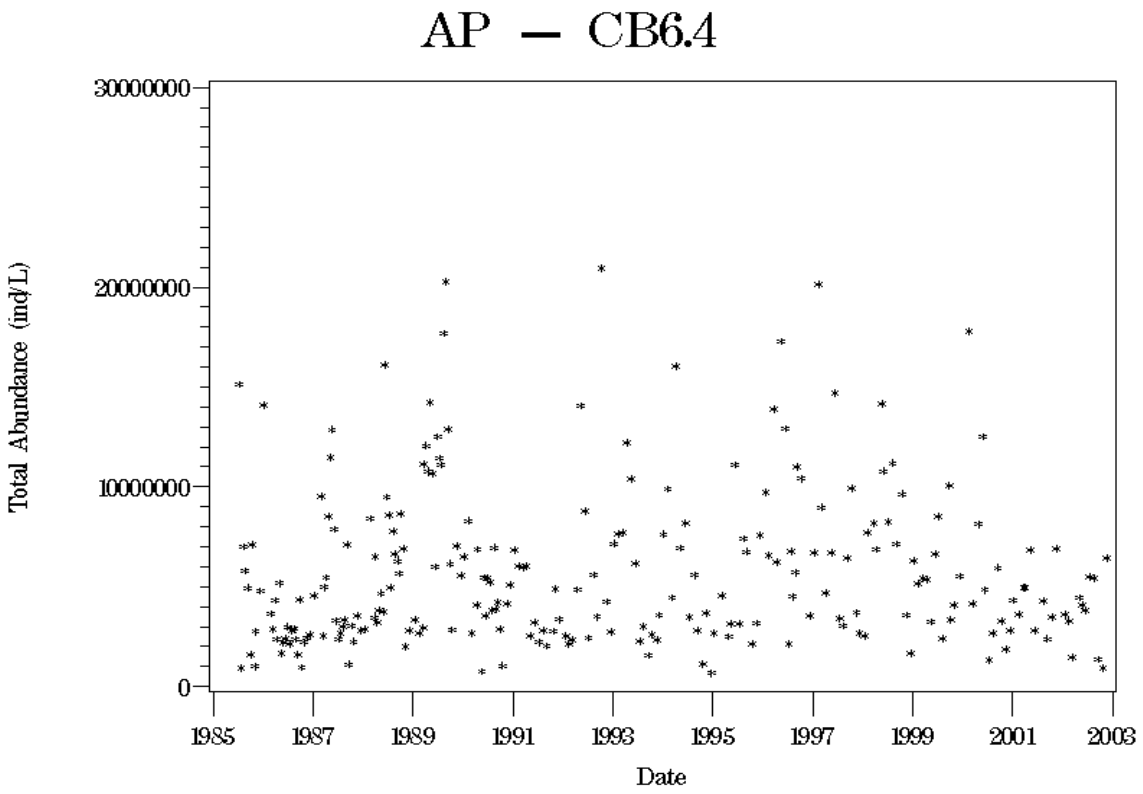

Figure F353. Plot of above pycnocline total phytoplankton abundance against time at station CB6.4 for the period of 1985 through 2002.

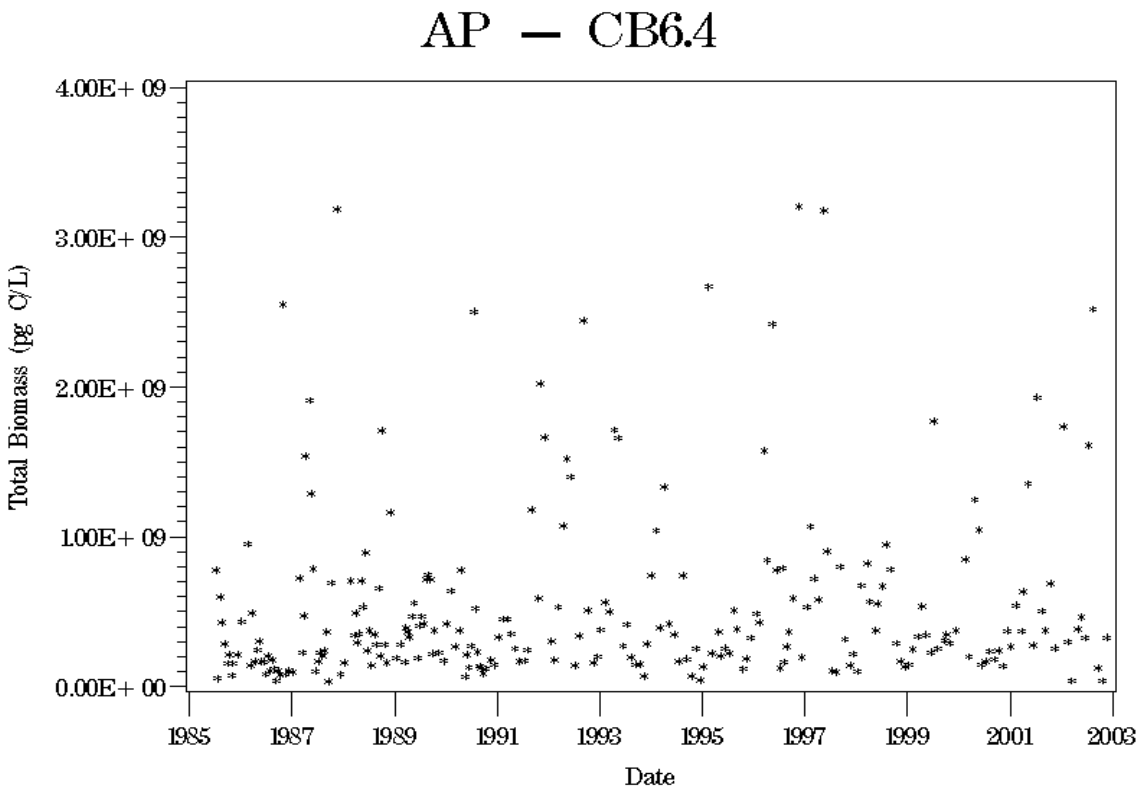

Figure F354. Plot of above pycnocline total phytoplankton biomass against time at station CB6.4 for the period of 1985 through 2002.

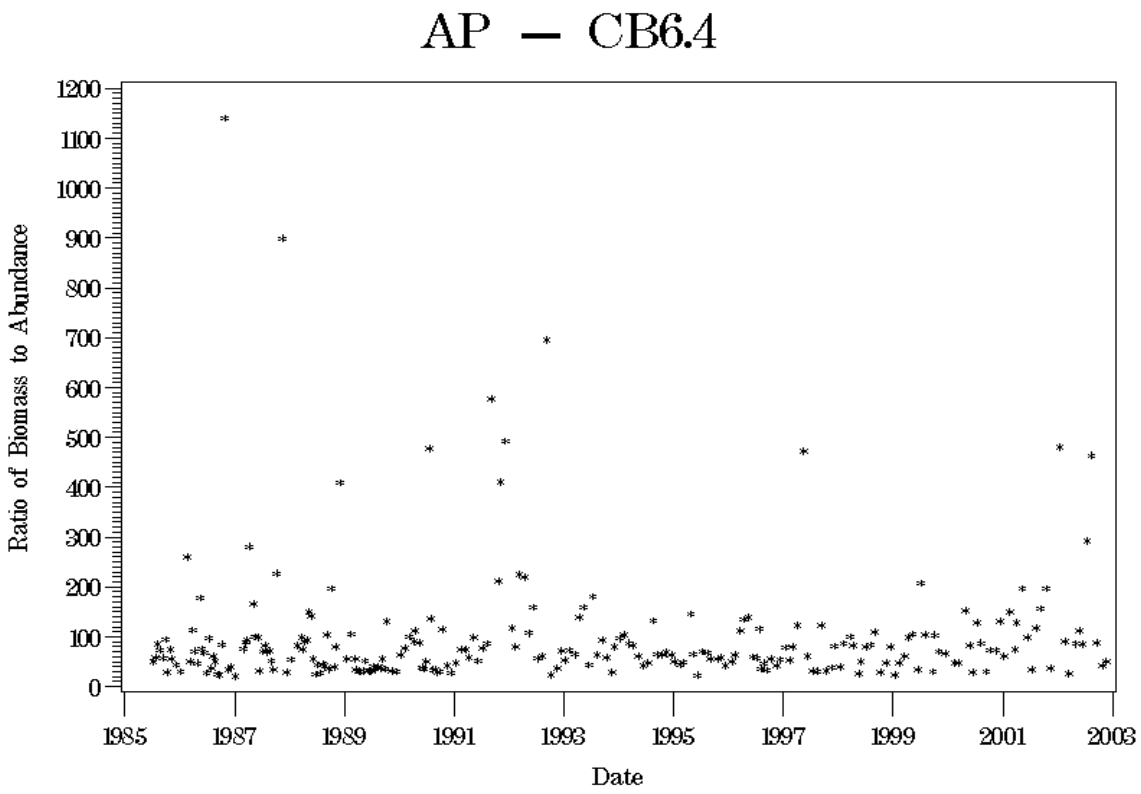

Figure F355. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB6.4 for the period of 1985 through 2002.

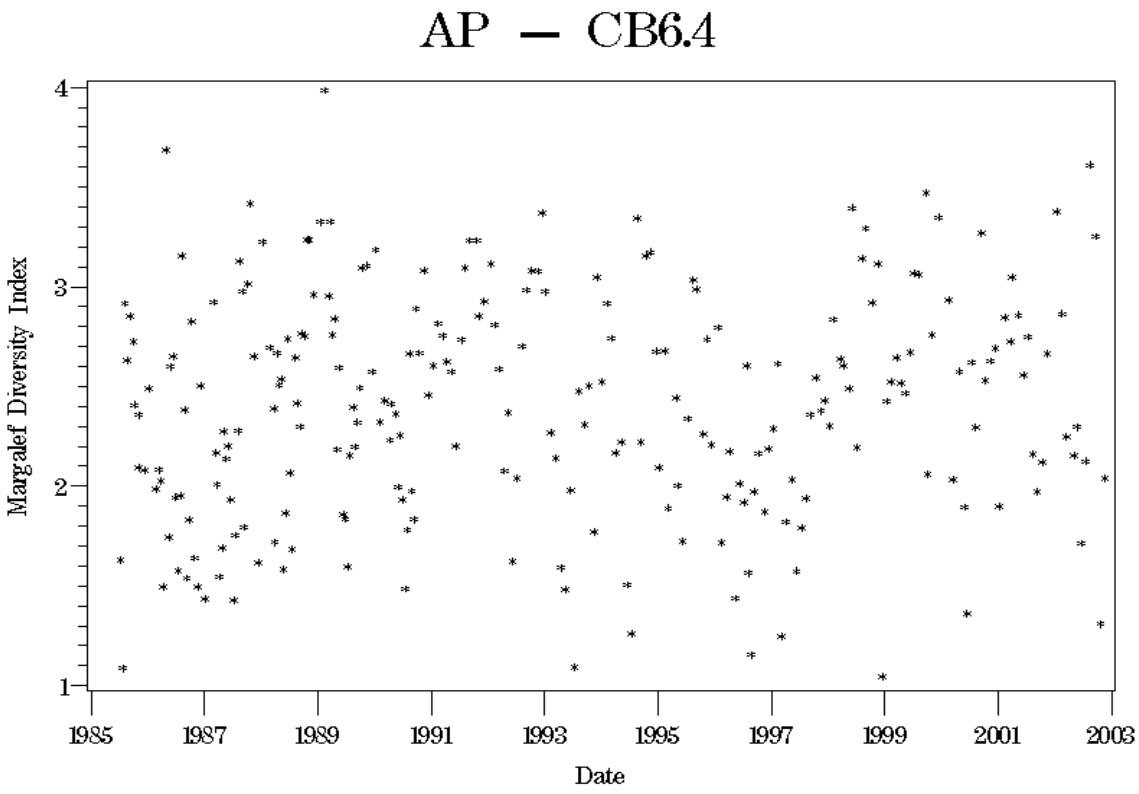

Figure F356. Plot of above pycnocline Margalef diversity index against time at station CB6.4 for the period of 1985 through 2002.

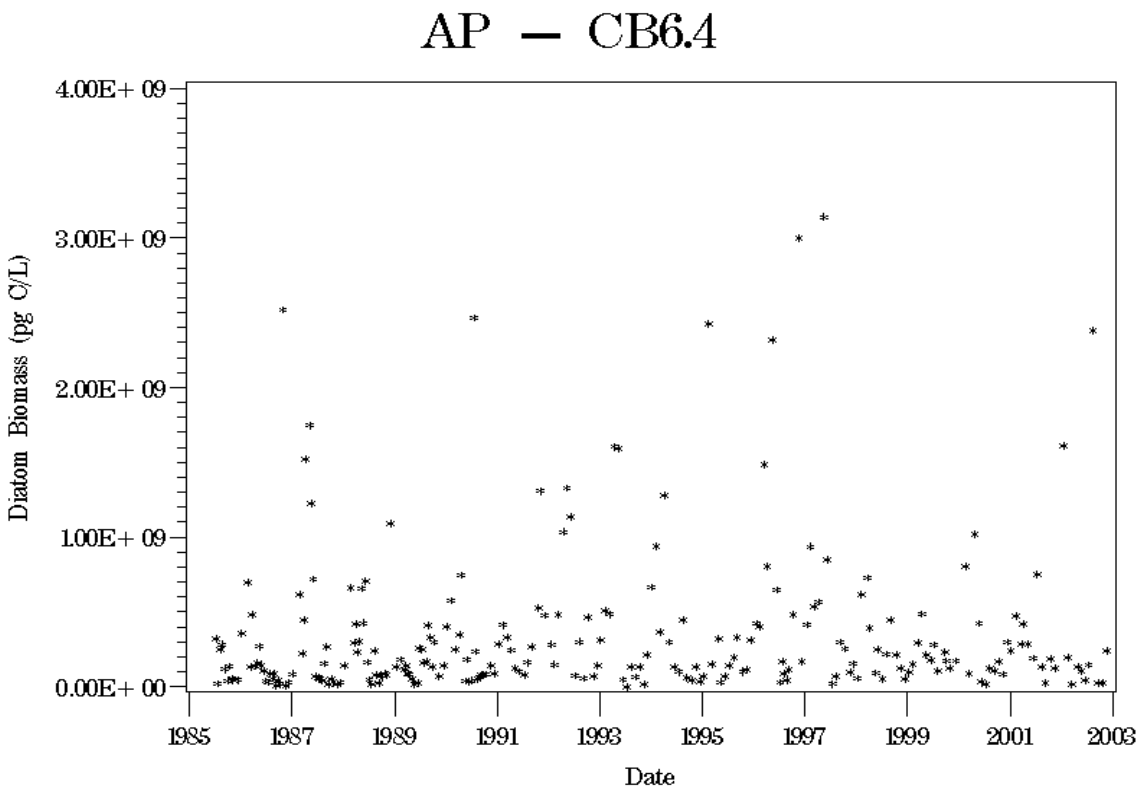

Figure F357. Plot of above pycnocline diatom biomass against time at station CB6.4 for the period of 1985 through 2002.

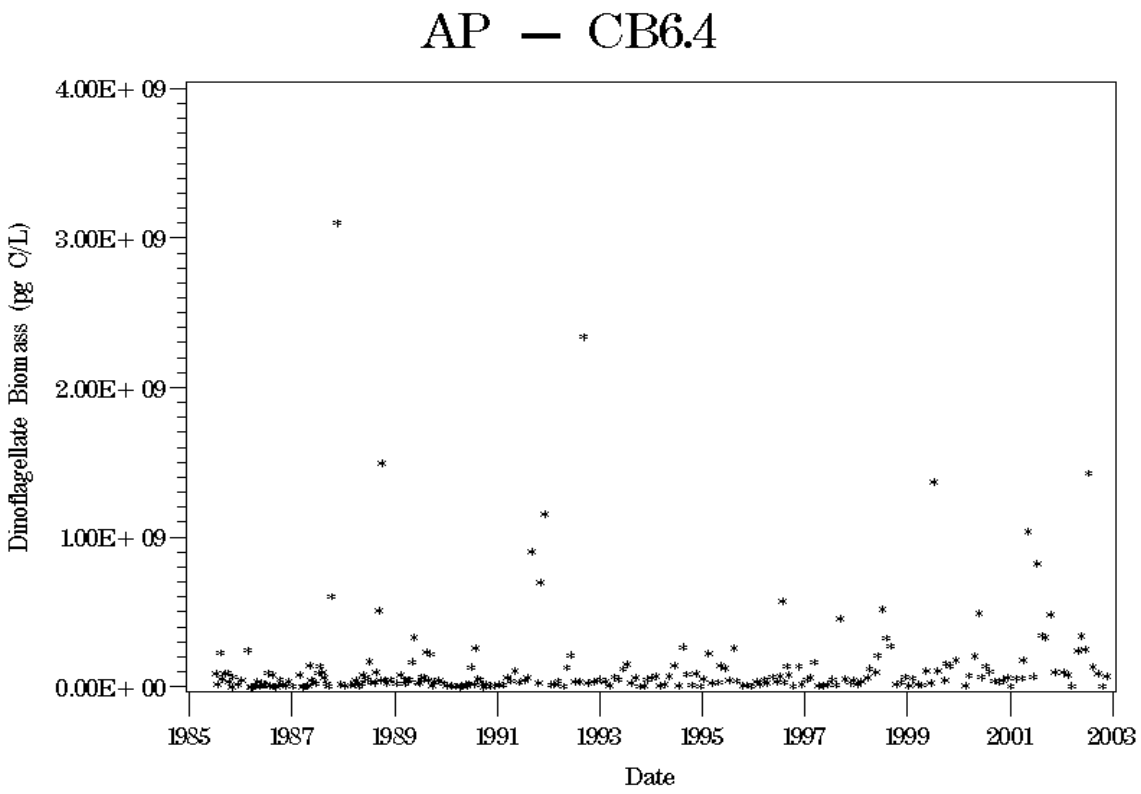

Figure F358. Plot of above pycnocline dinoflagellate biomass against time at station CB6.4 for the period of 1985 through 2002.

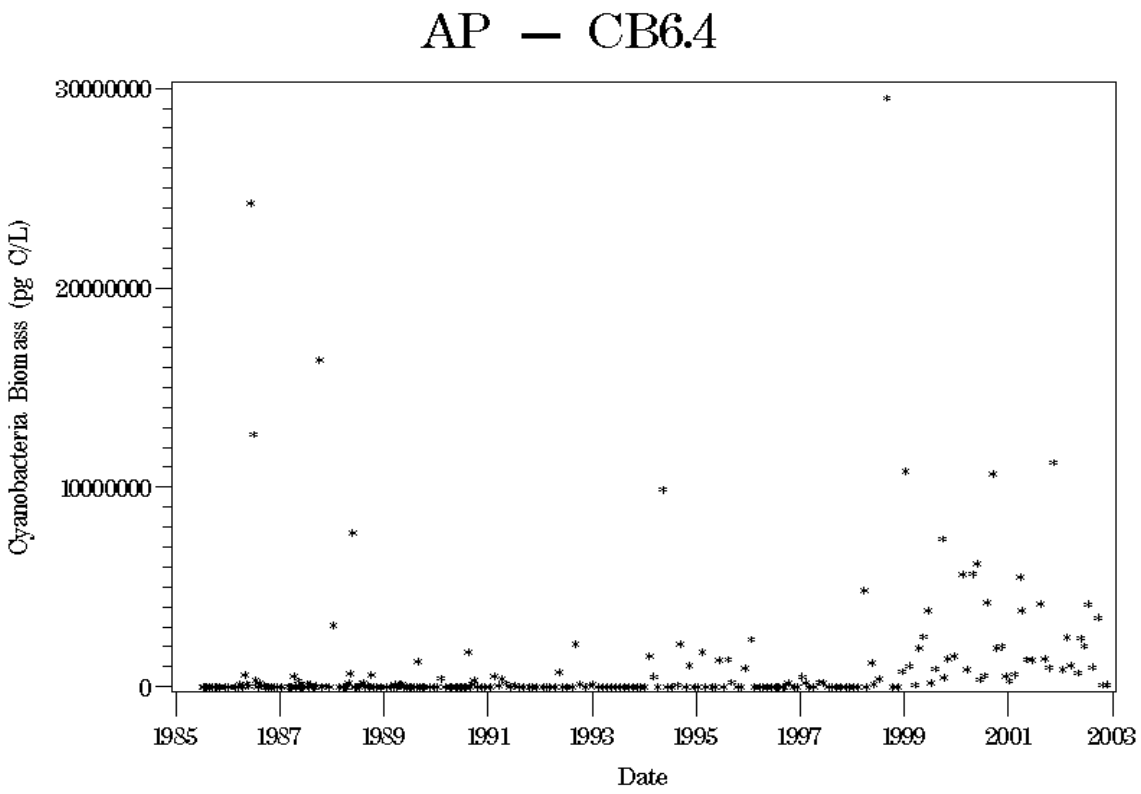

Figure F359. Plot of above pycnocline cyanobacteria biomass against time at station CB6.4 for the period of 1985 through 2002.

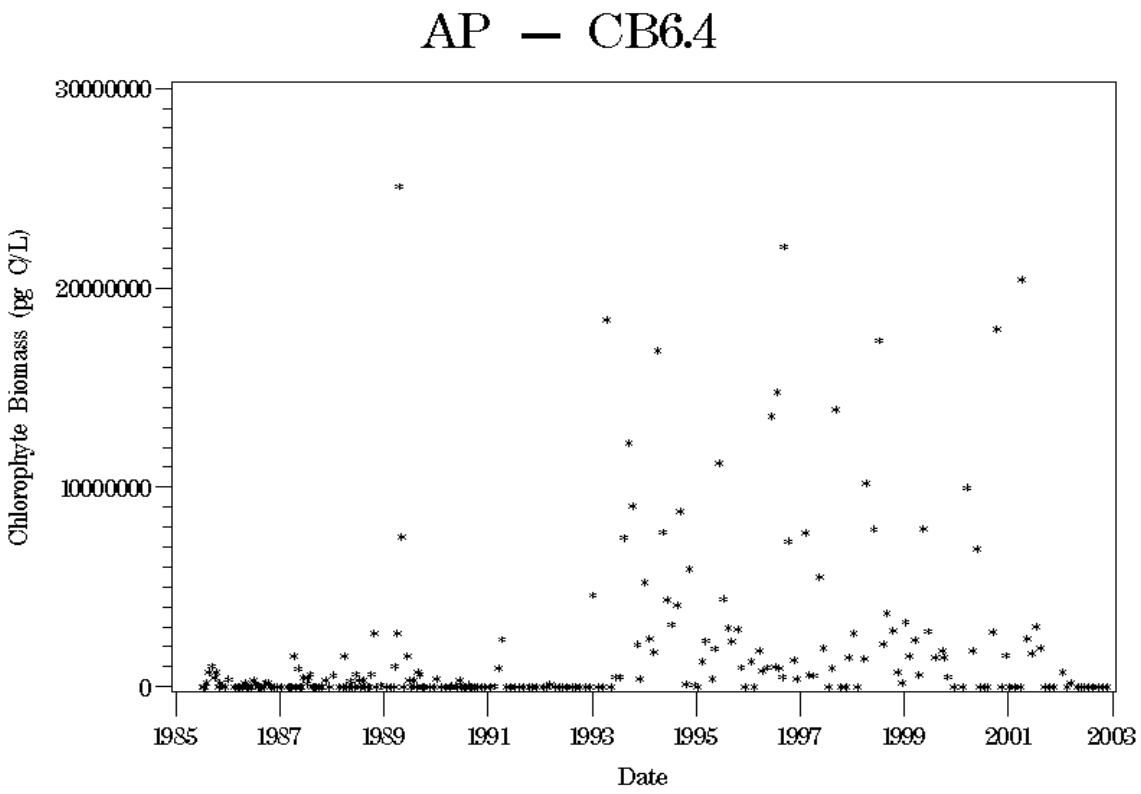

Figure F360. Plot of above pycnocline chlorophyte biomass against time at station CB6.4 for the period of 1985 through 2002.

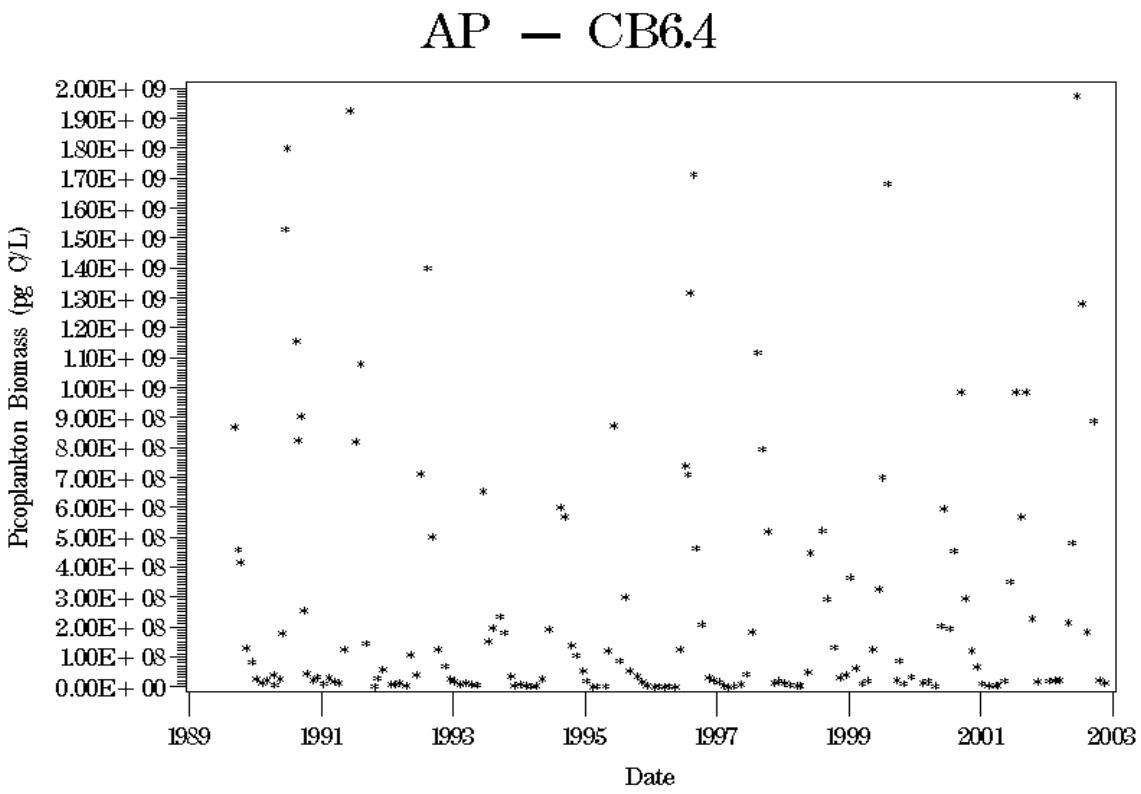

Figure F361. Plot of above pycnocline picoplankton biomass against time at station CB6.4 for the period of 1985 through 2002.

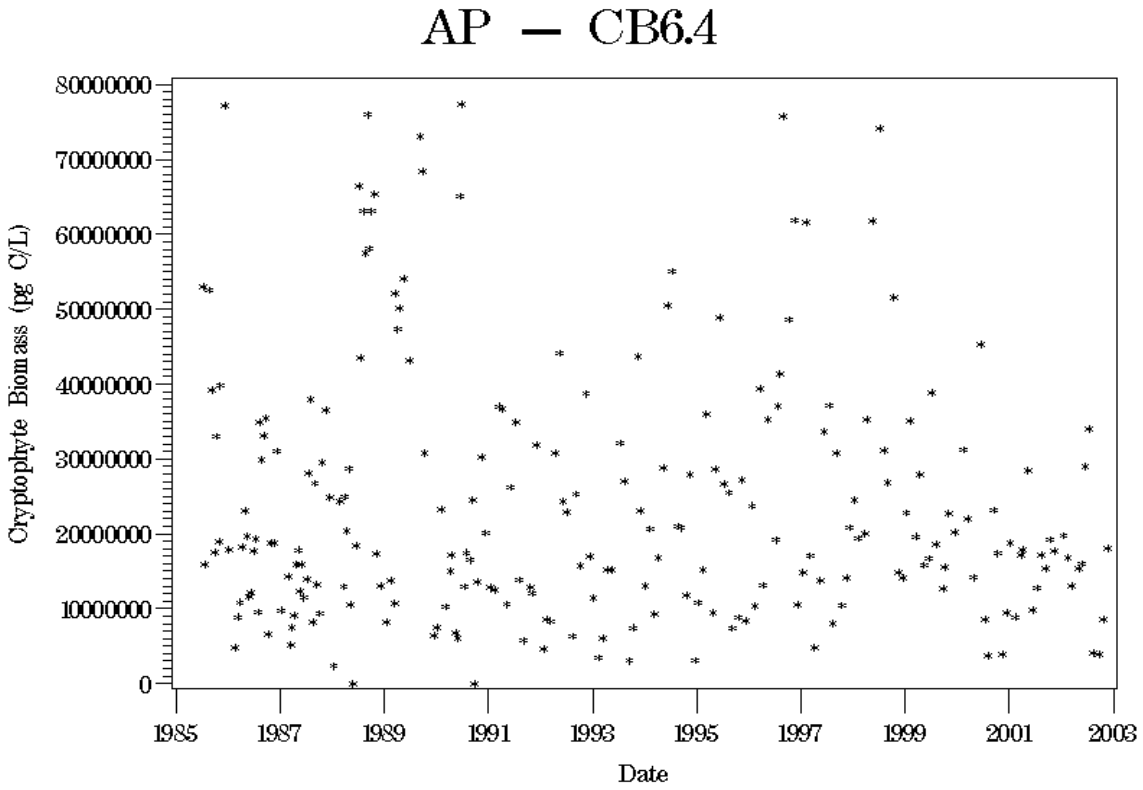

Figure F362. Plot of above pycnocline cryptophyte biomass at station CB6.4 for the period of 1985 through 2002.

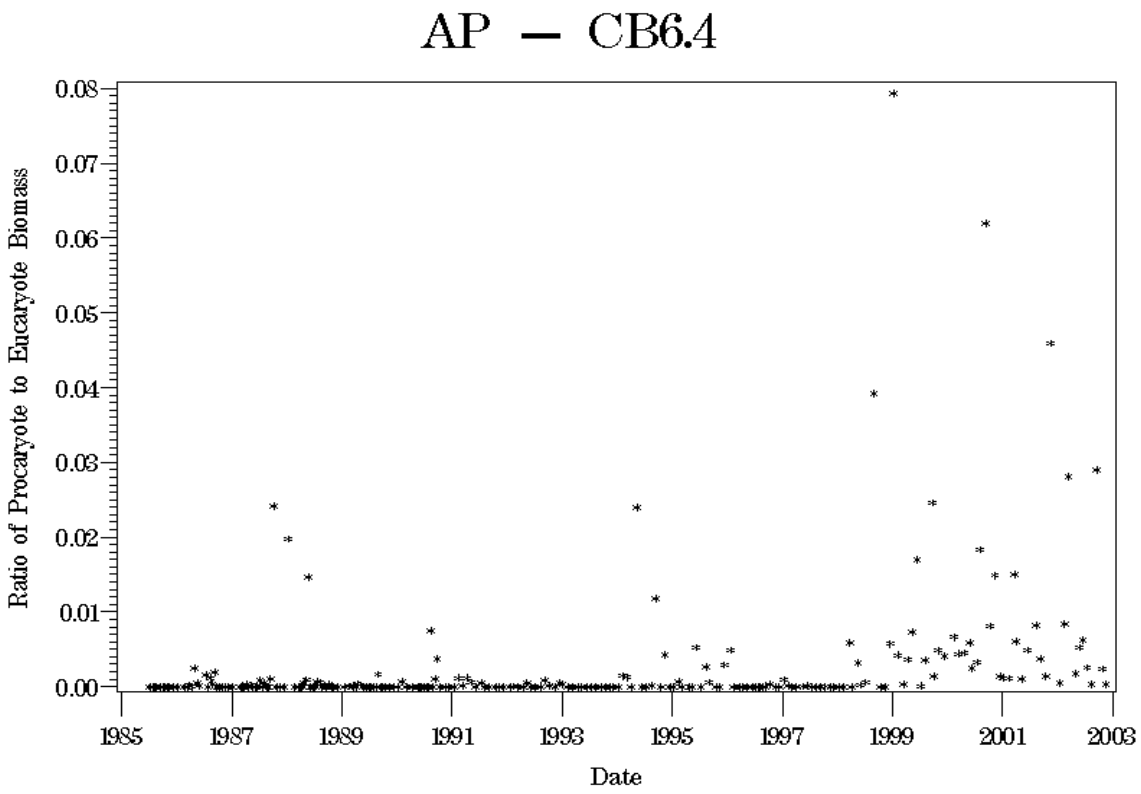

Figure F363. Plot of above pycnocline cyanophyte abundance at station CB6.4 for the period of 1985 through 2002.

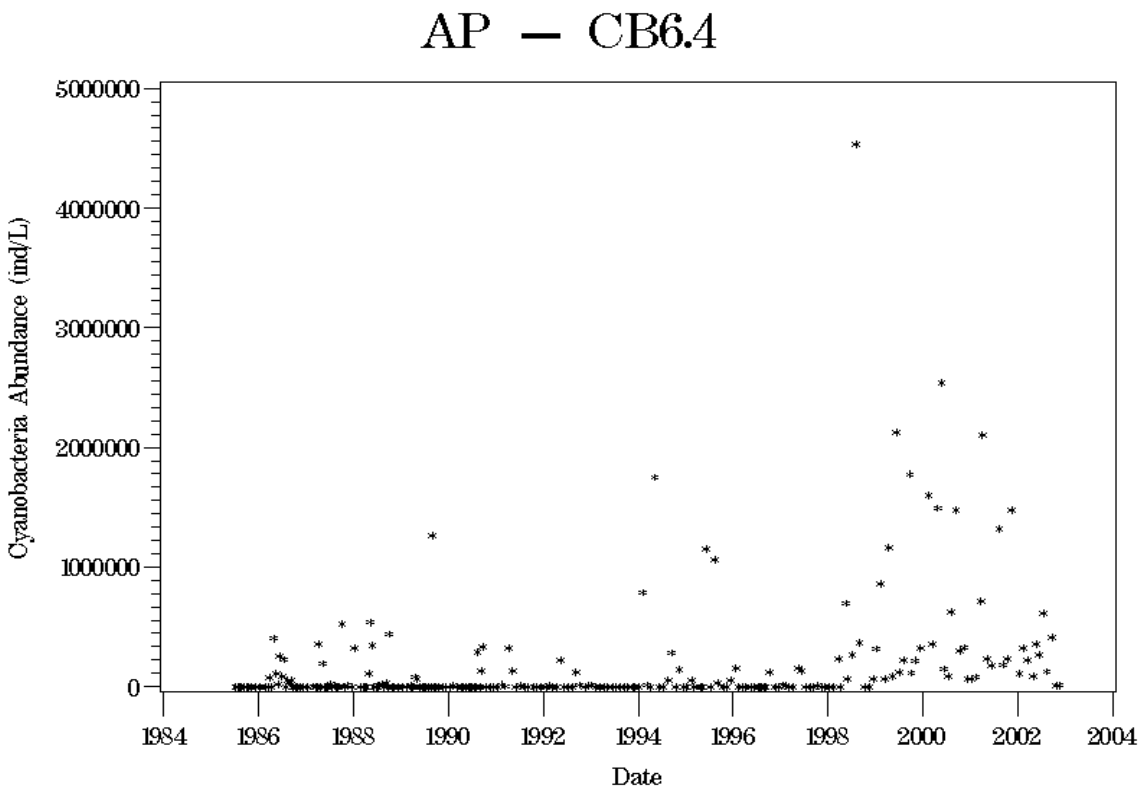

Figure F364. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station CB6.4 for the period of 1985 through 2002.

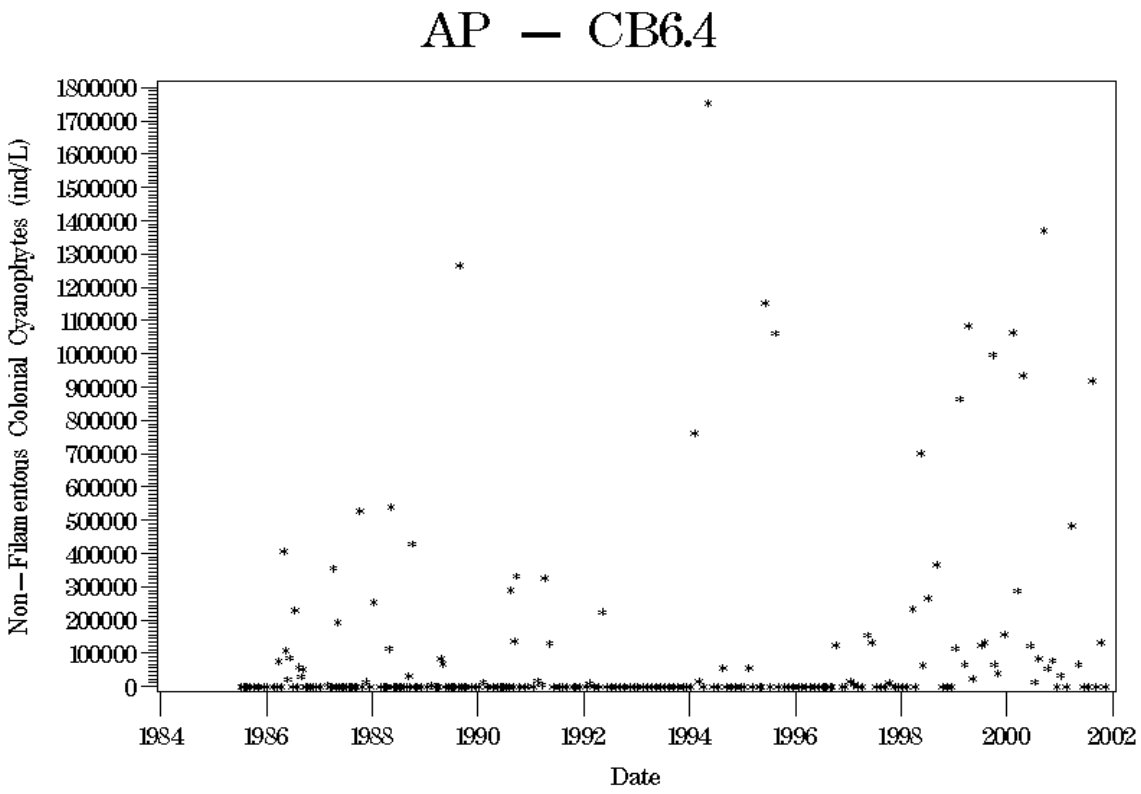

Figure F365. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station CB6.4 for the period of 1985 through 2002.

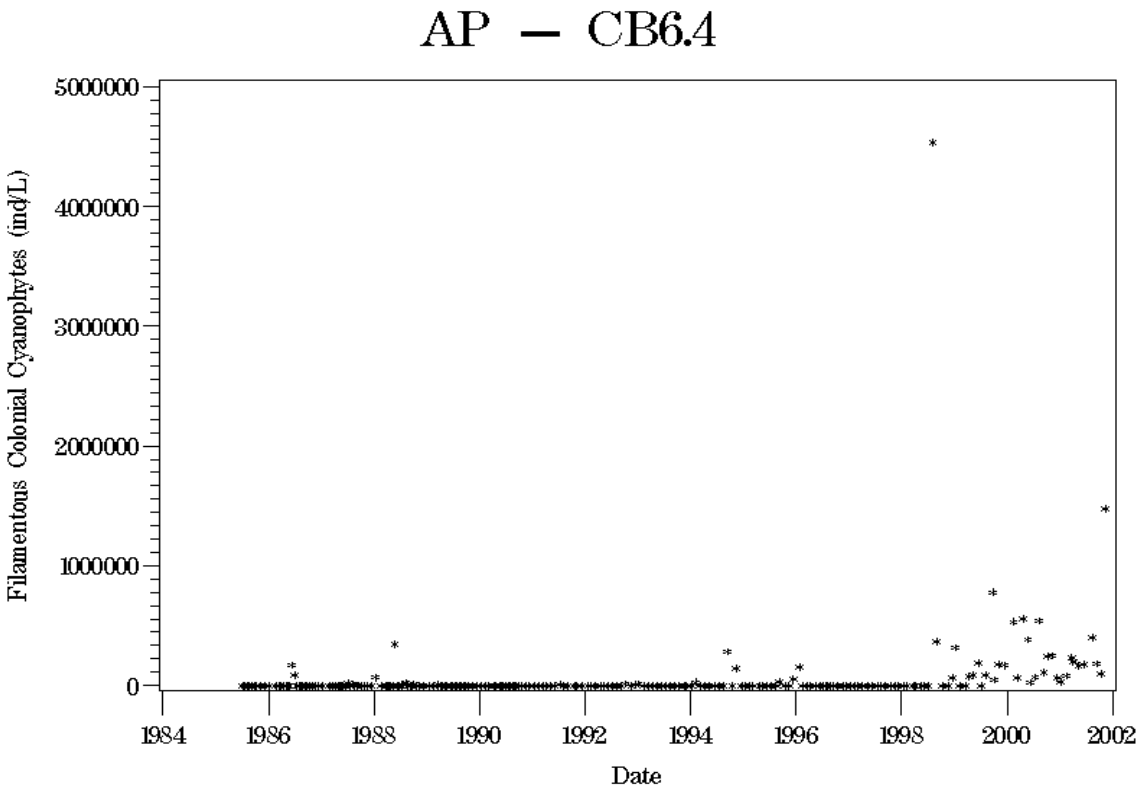

Figure F366. Plot of above pycnocline filamentous colonial cyanophyte abundance at station CB6.4 for the period of 1985 through 2002.

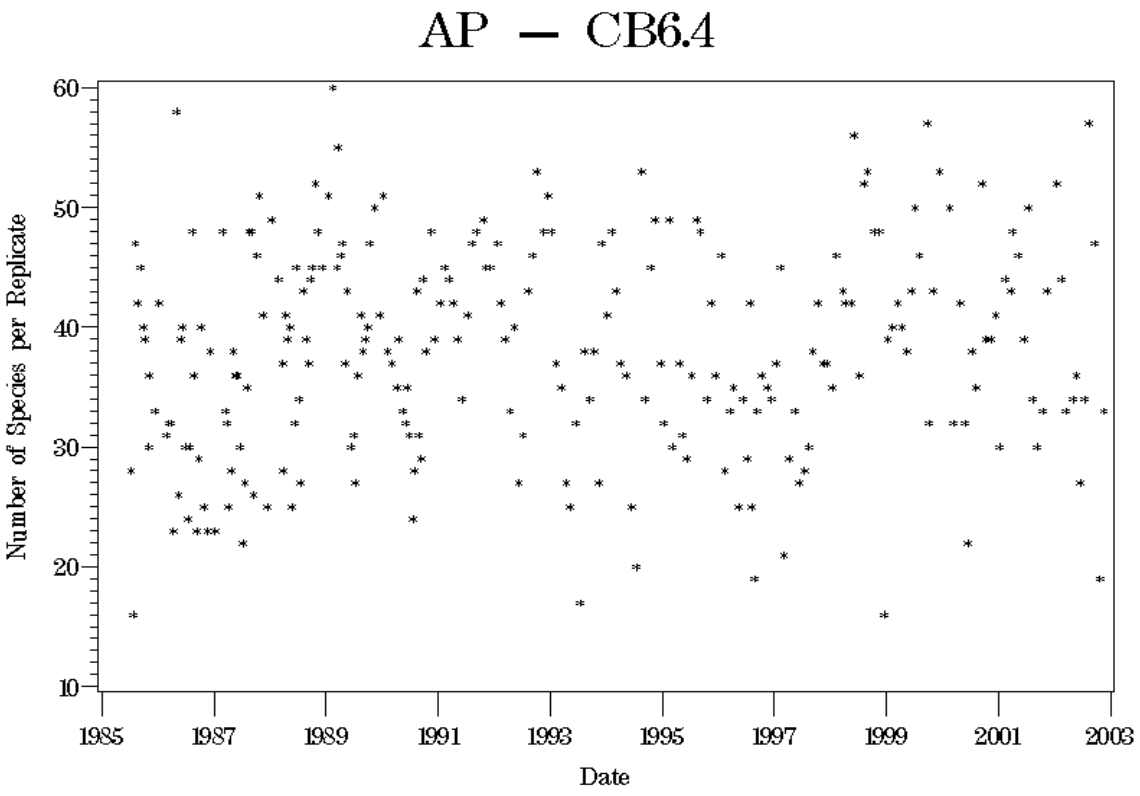

Figure F367. Plot of above pycnocline number of species per replicate at station CB6.4 for the period of 1985 through 2002.

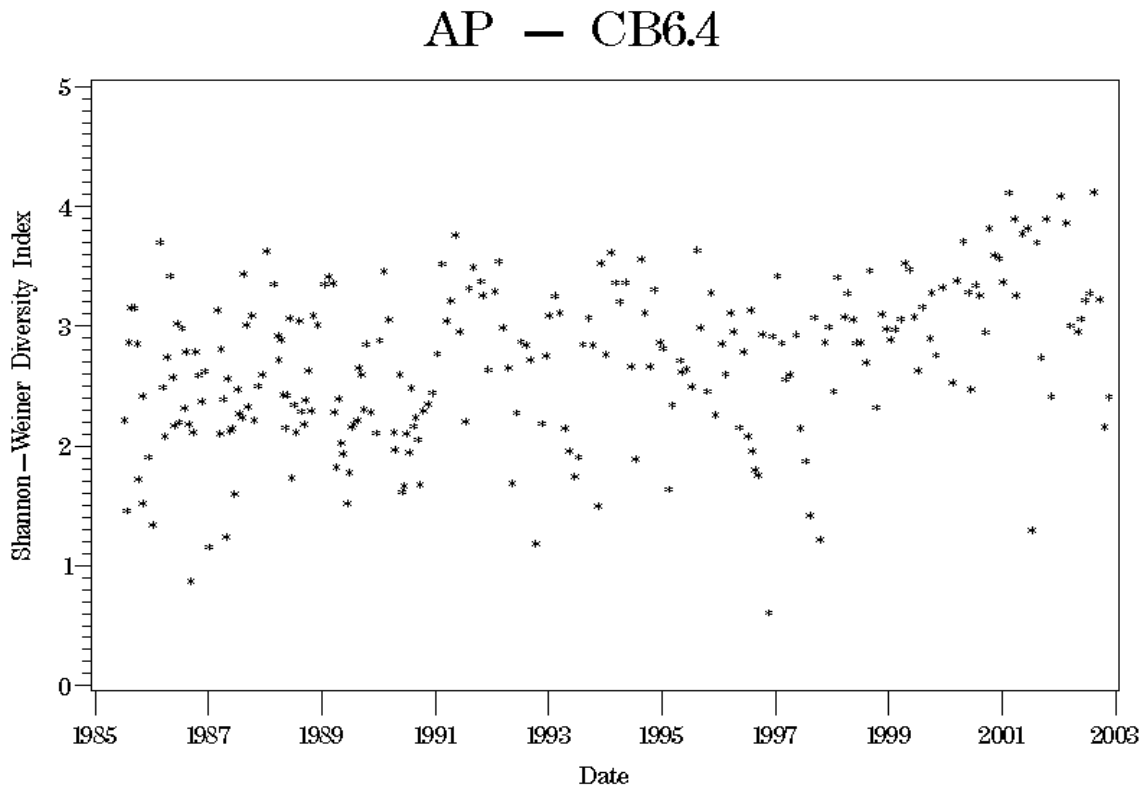

Figure F368. Plot of above pycnocline Shannon-Weiner Diversity index at station CB6.4 for the period of 1985 through 2002.

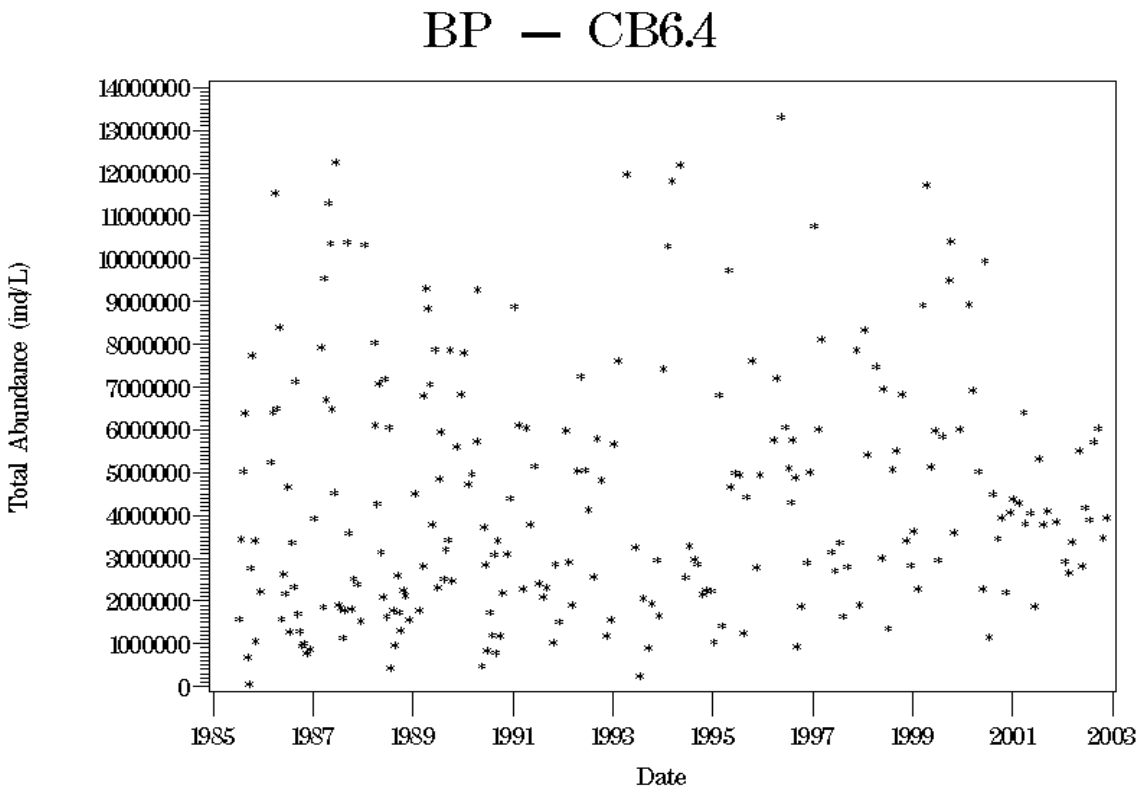

Figure F369. Plot of below pycnocline total phytoplankton abundance against time at station CB6.4 for the period of 1985 through 2002.

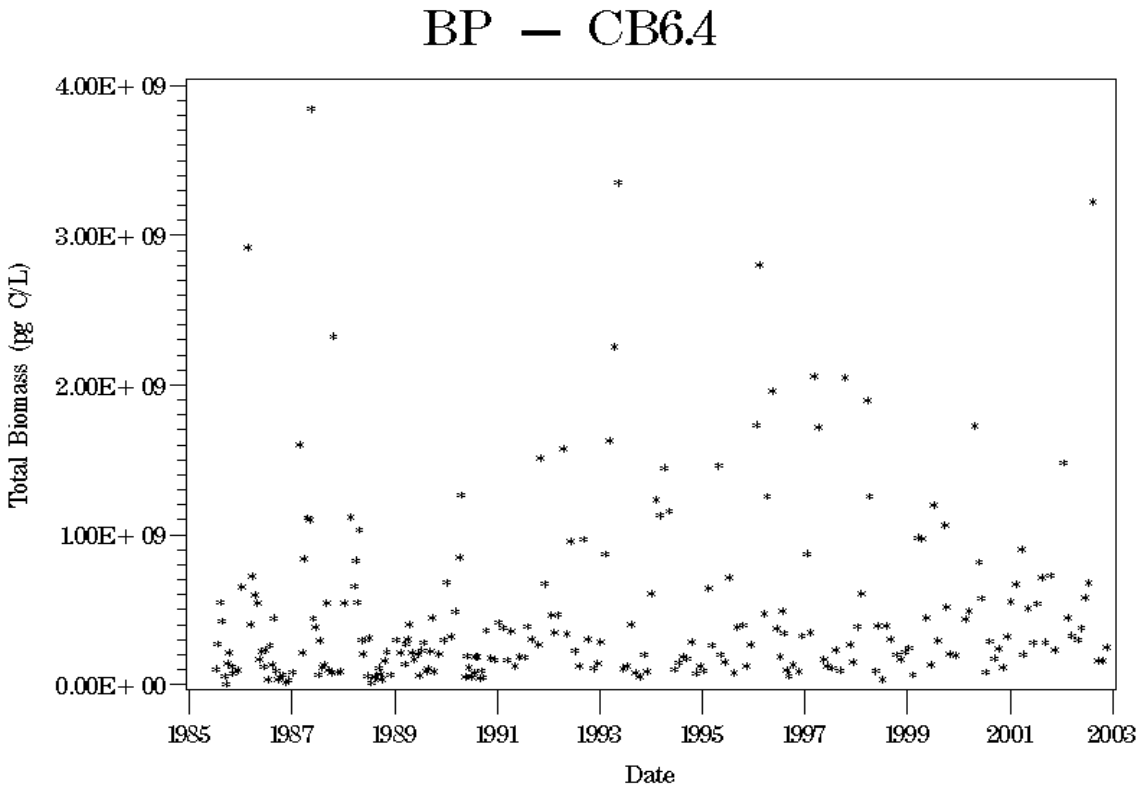

Figure F370. Plot of below pycnocline total phytoplankton biomass against time at station CB6.4 for the period of 1985 through 2002.

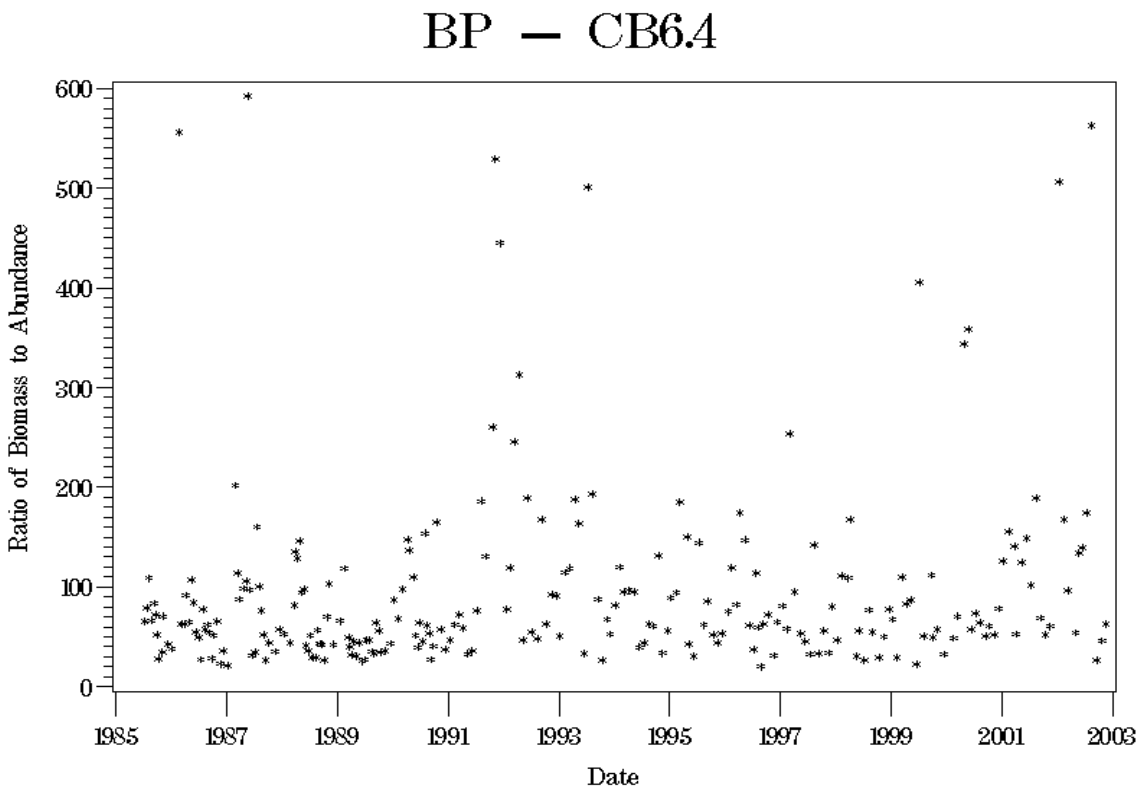

Figure F371. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB6.4 for the period of 1985 through 2002.

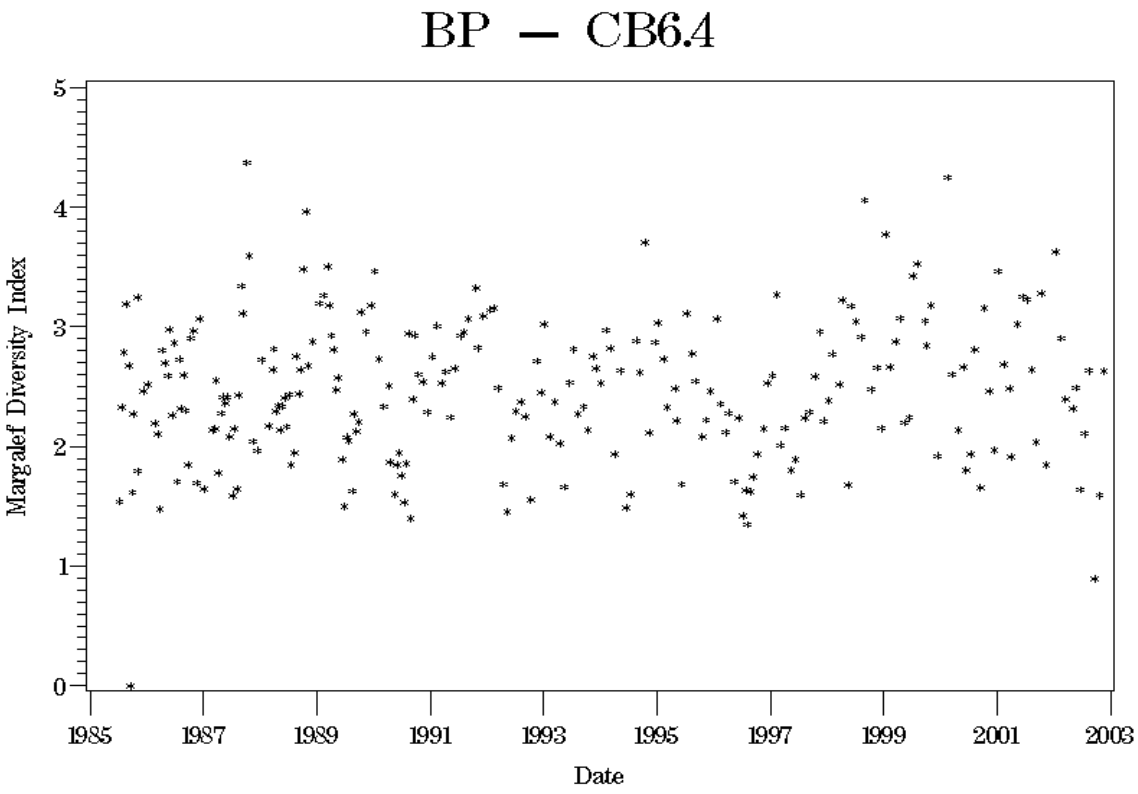

Figure F372. Plot of below pycnocline Margalef diversity index against time at station CB6.4 for the period of 1985 through 2002.

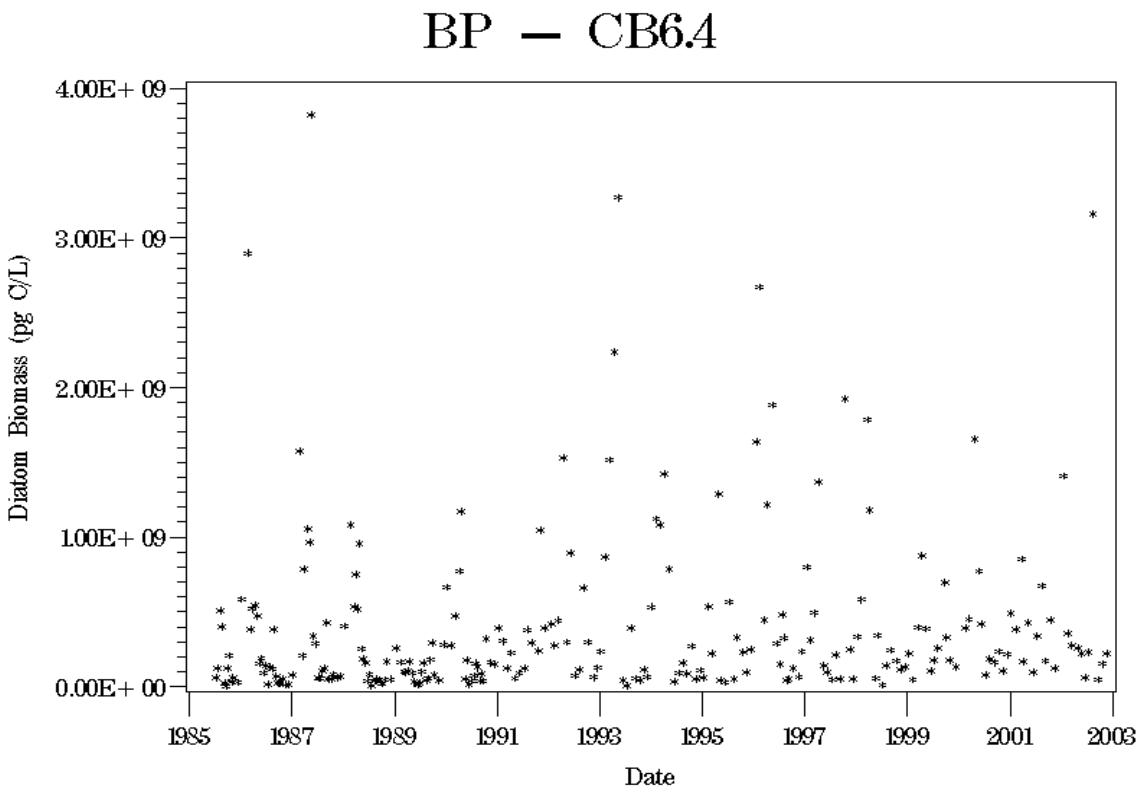

Figure F373. Plot of below pycnocline diatom biomass against time at station CB6.4 for the period of 1985 through 2002.

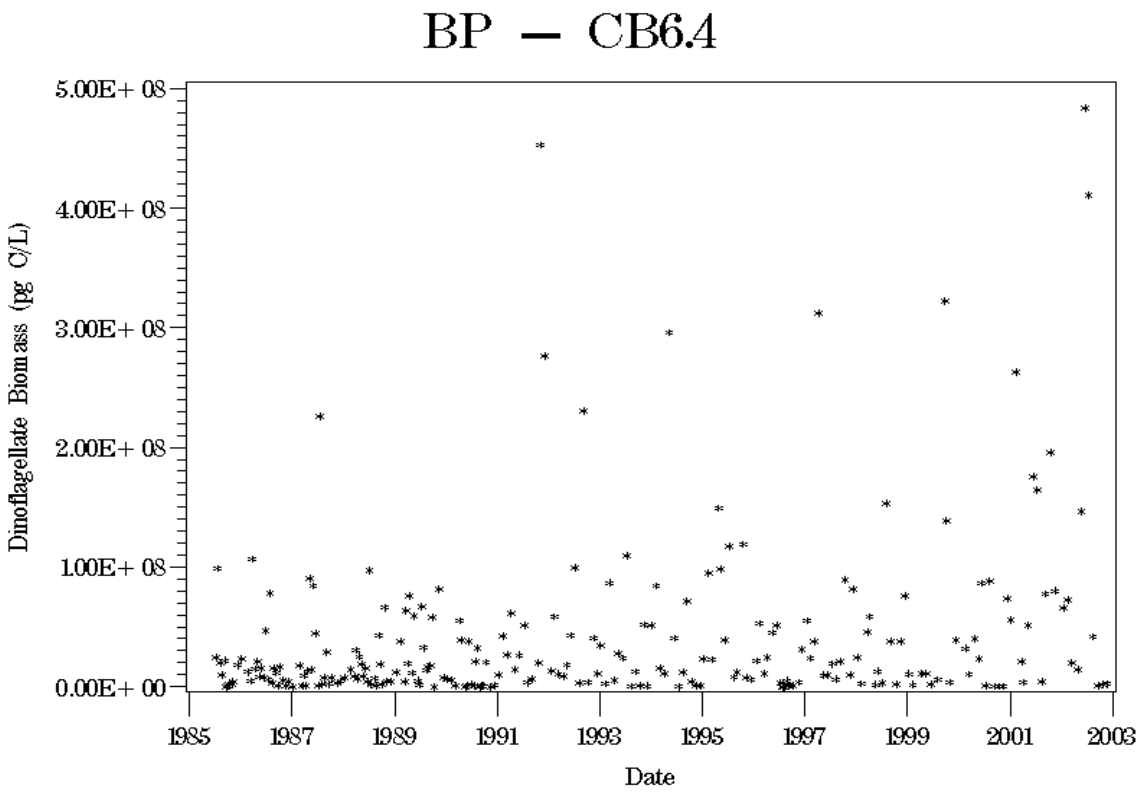

Figure F374. Plot of below pycnocline dinoflagellate biomass against time at station CB6.4 for the period of 1985 through 2002.

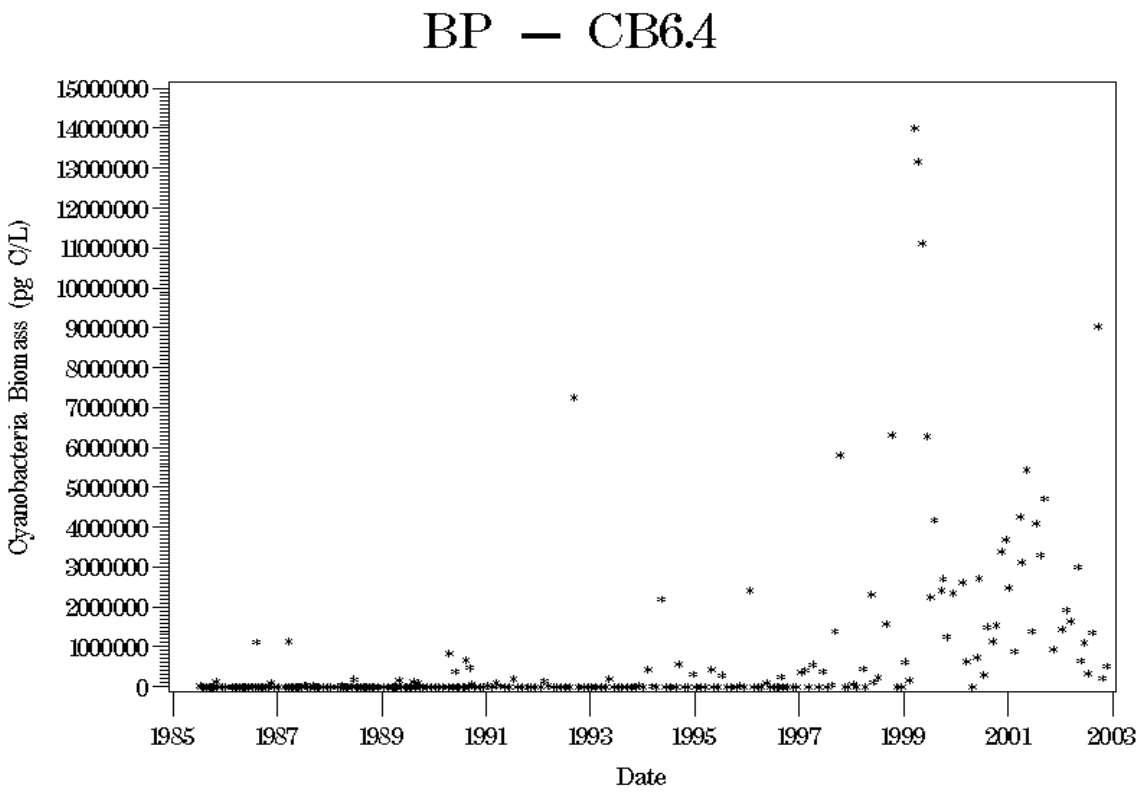

Figure F375. Plot of below pycnocline cyanobacteria biomass against time at station CB6.4 for the period of 1985 through 2002.

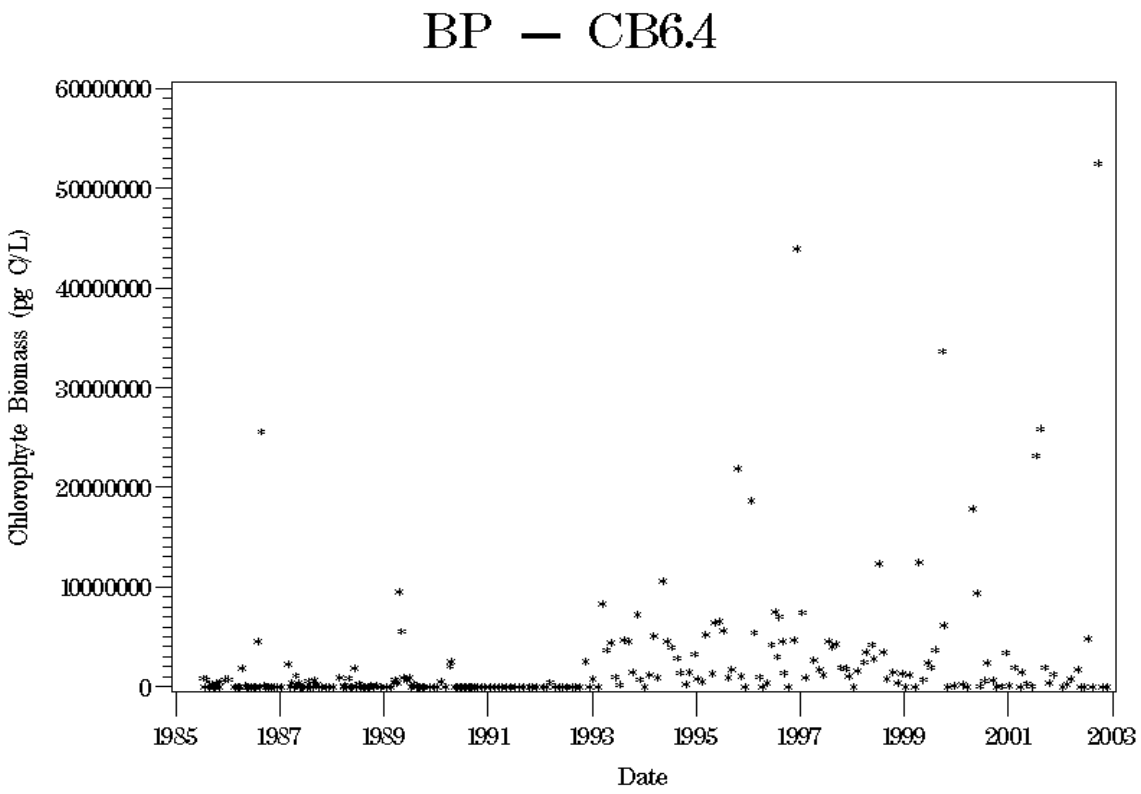

Figure F376. Plot of below pycnocline chlorophyte biomass against time at station CB6.4 for the period of 1985 through 2002.

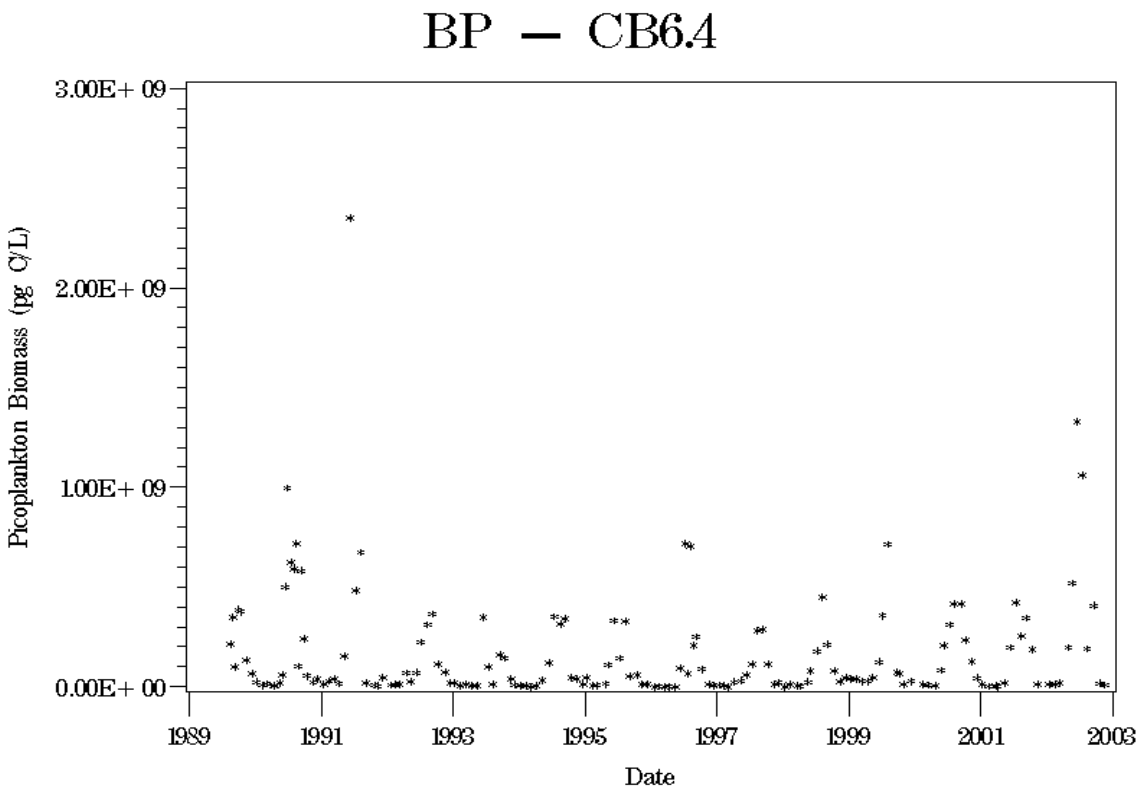

Figure F377. Plot of below pycnocline picoplankton biomass against time at station CB6.4 for the period of 1985 through 2002.

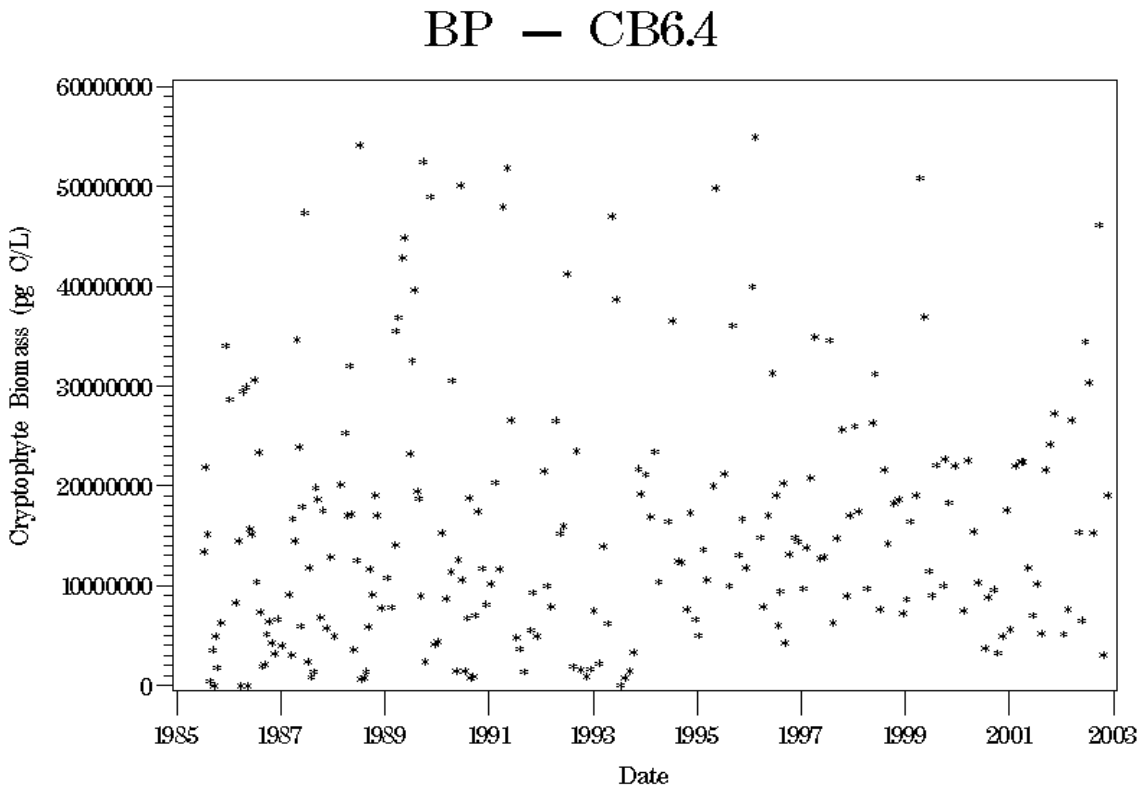

Figure F378. Plot of below pycnocline cryptophyte biomass at station CB6.4 for the period of 1985 through 2002.

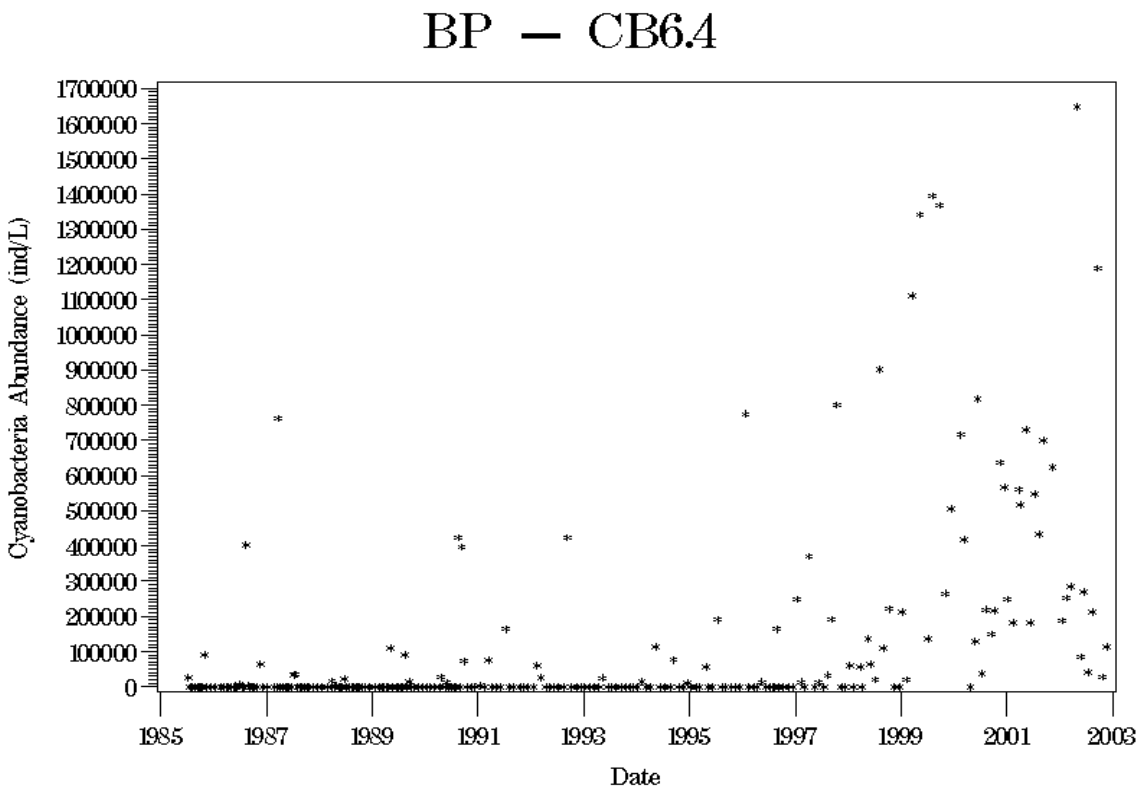

Figure F379. Plot of below pycnocline cyanophyte abundance at station CB6.4 for the period of 1985 through 2002.

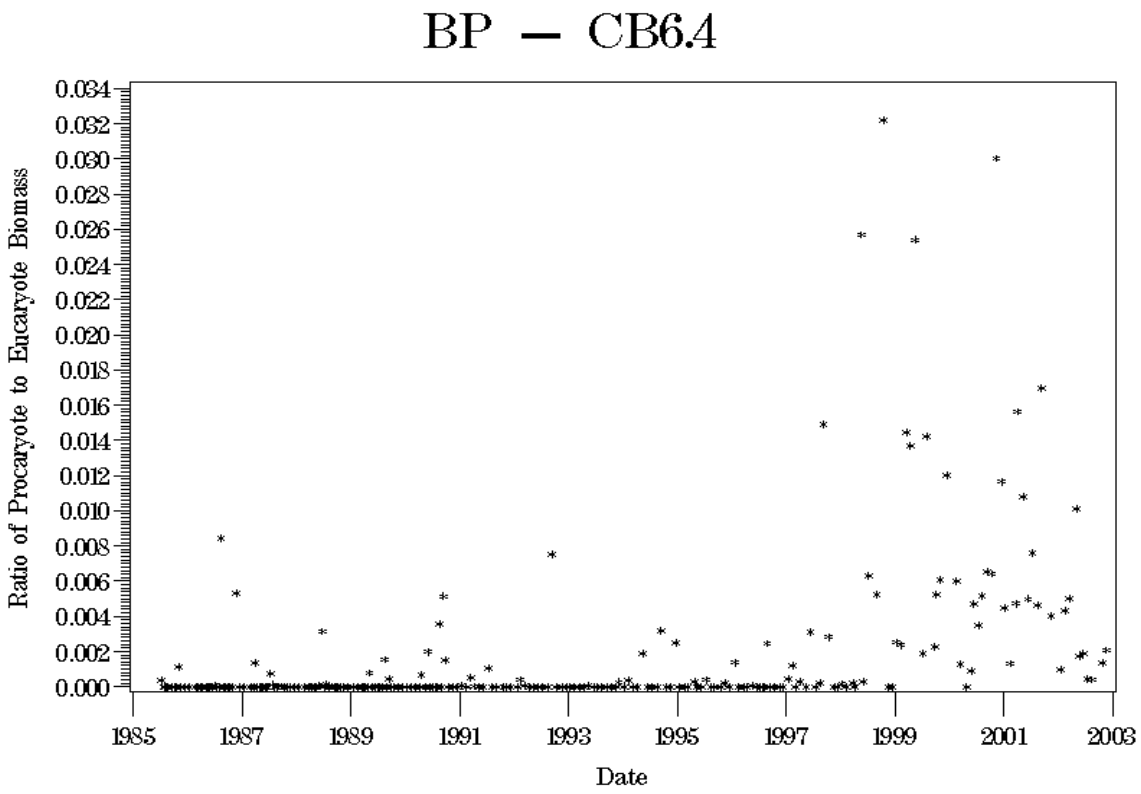

Figure F380. Plot of below pycnocline ratio of procaryote to eucaryote biomass at station CB6.4 for the period of 1985 through 2002.

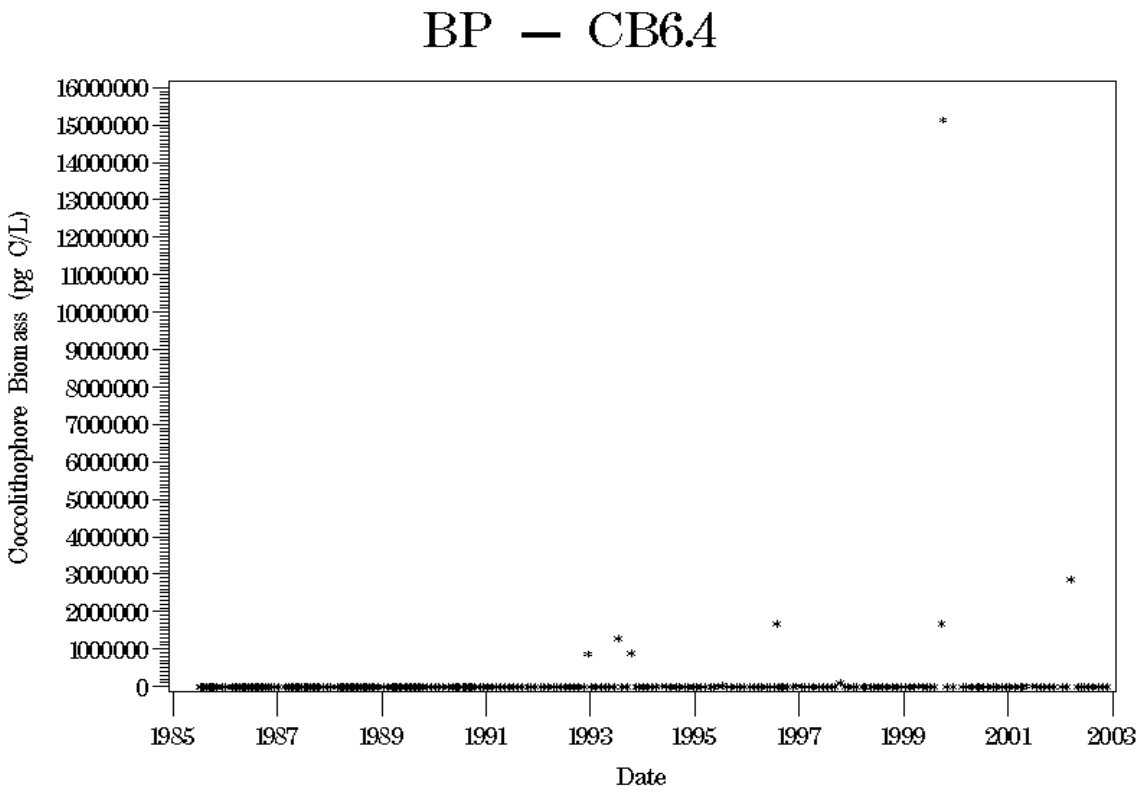

Figure F381. Plot of below pycnocline coccolithophore biomass at station CB6.4 for the period of 1985 through 2002.

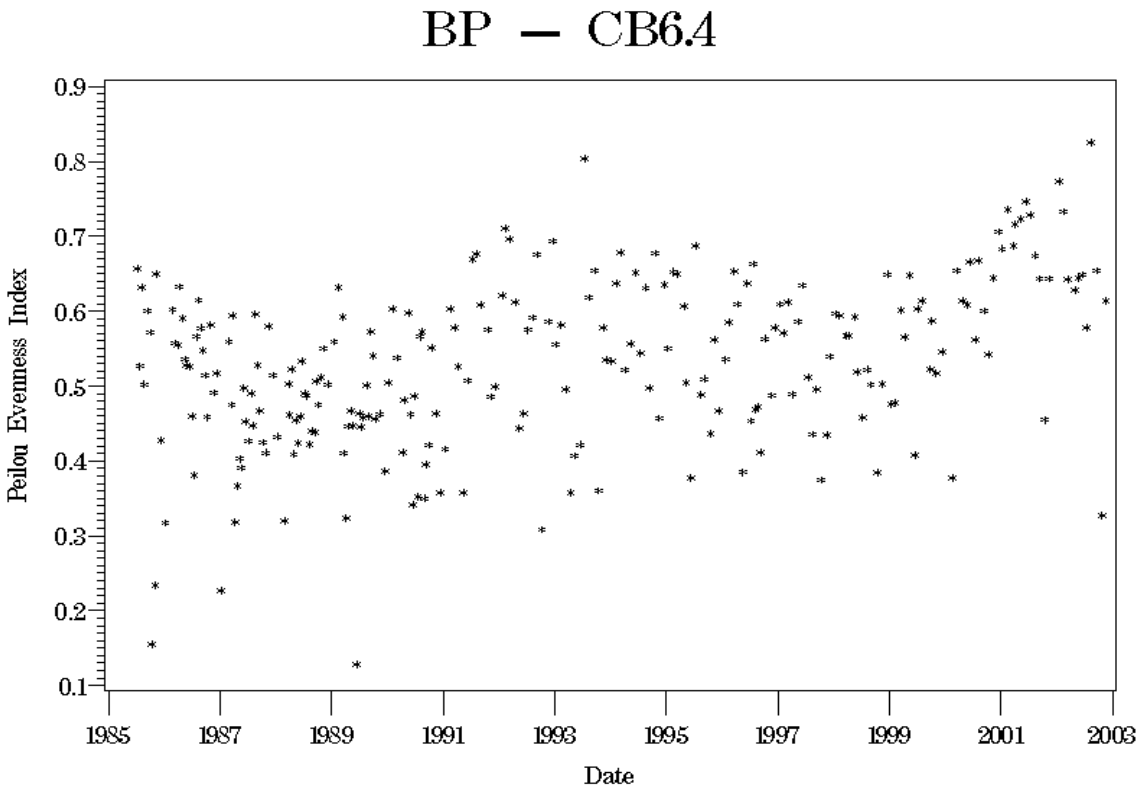

Figure F382. Plot of below pycnocline Pielou evenness index at station CB6.4 for the period of 1985 through 2002.

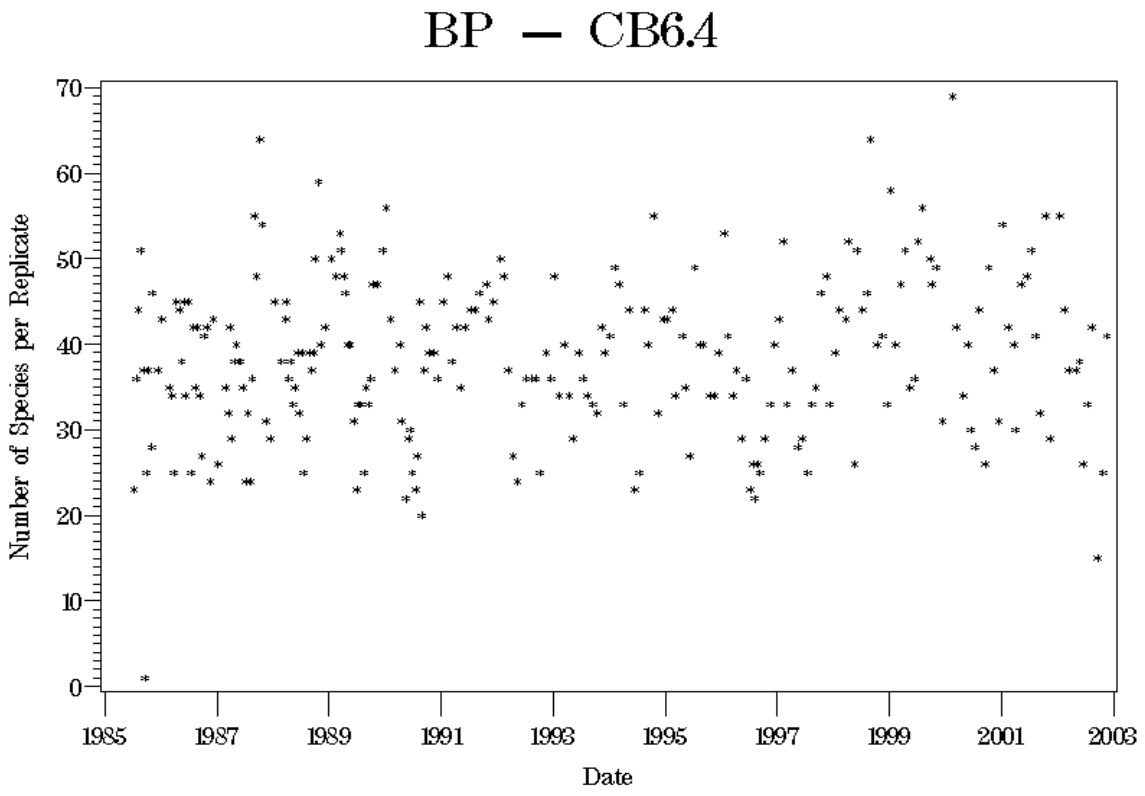

Figure F383. Plot of below pycnocline number of species per replicate at station CB6.4 for the period of 1985 through 2002.

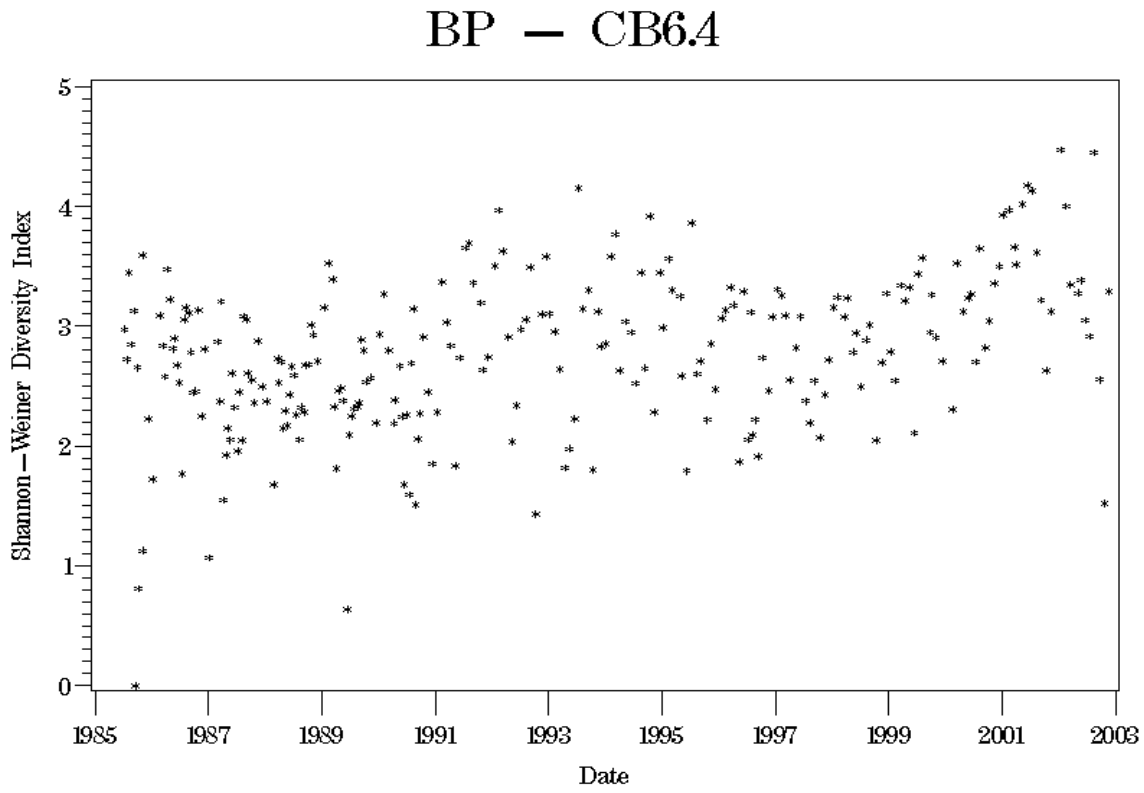

Figure F384. Plot of below pycnocline Shannon-Weiner Diversity index at station CB6.4 for the period of 1985 through 2002.

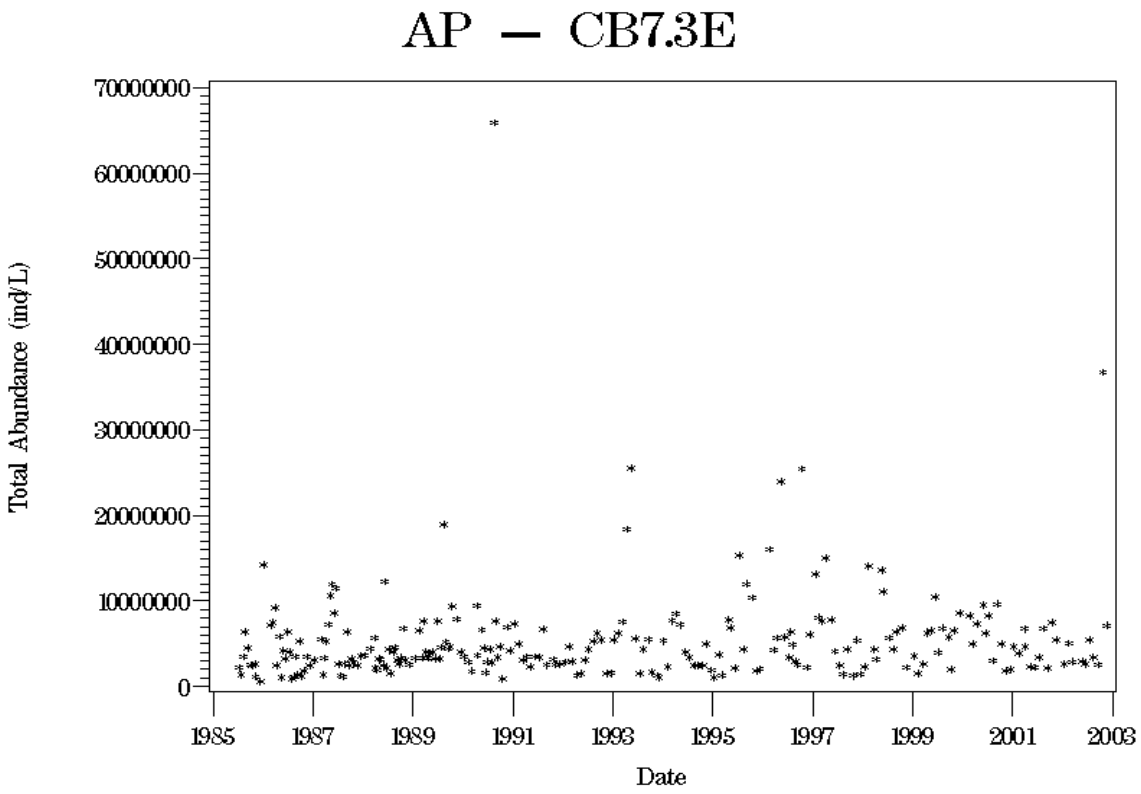

Figure F385. Plot of above pycnocline total phytoplankton abundance against time at station CB7.3E for the period of 1985 through 2002.

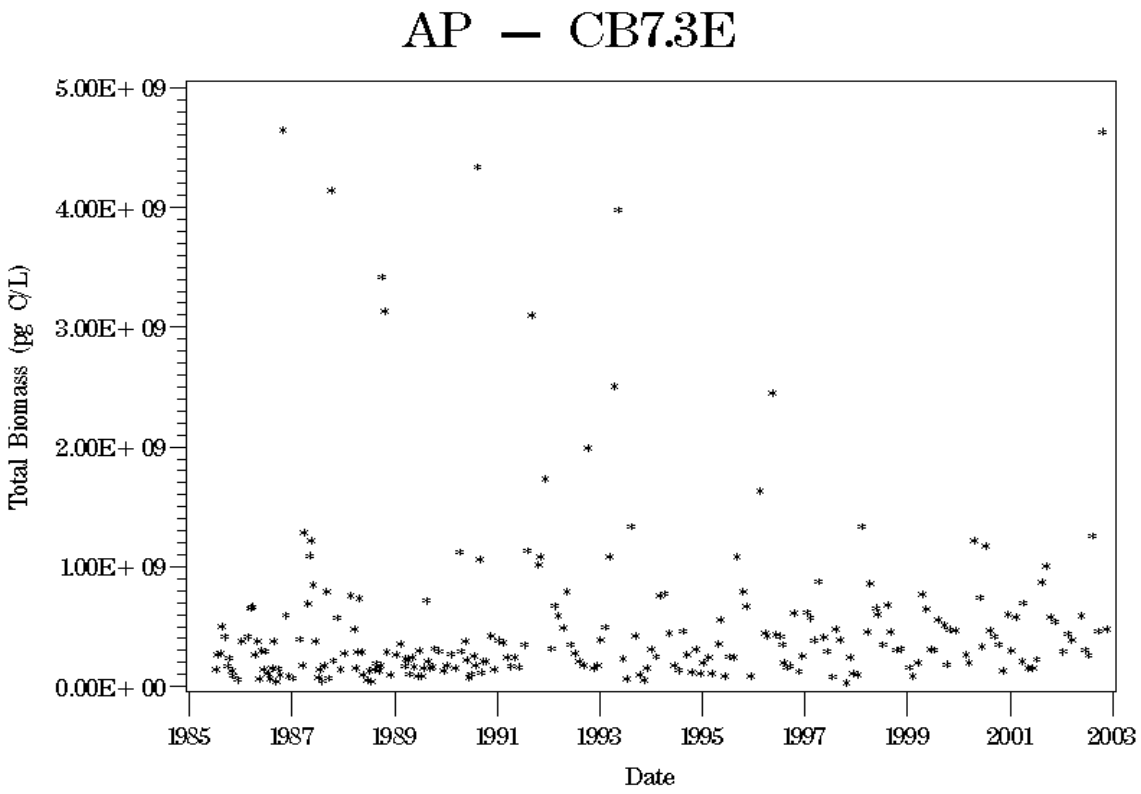

Figure F386. Plot of above pycnocline total phytoplankton biomass against time at station CB7.3E for the period of 1985 through 2002.

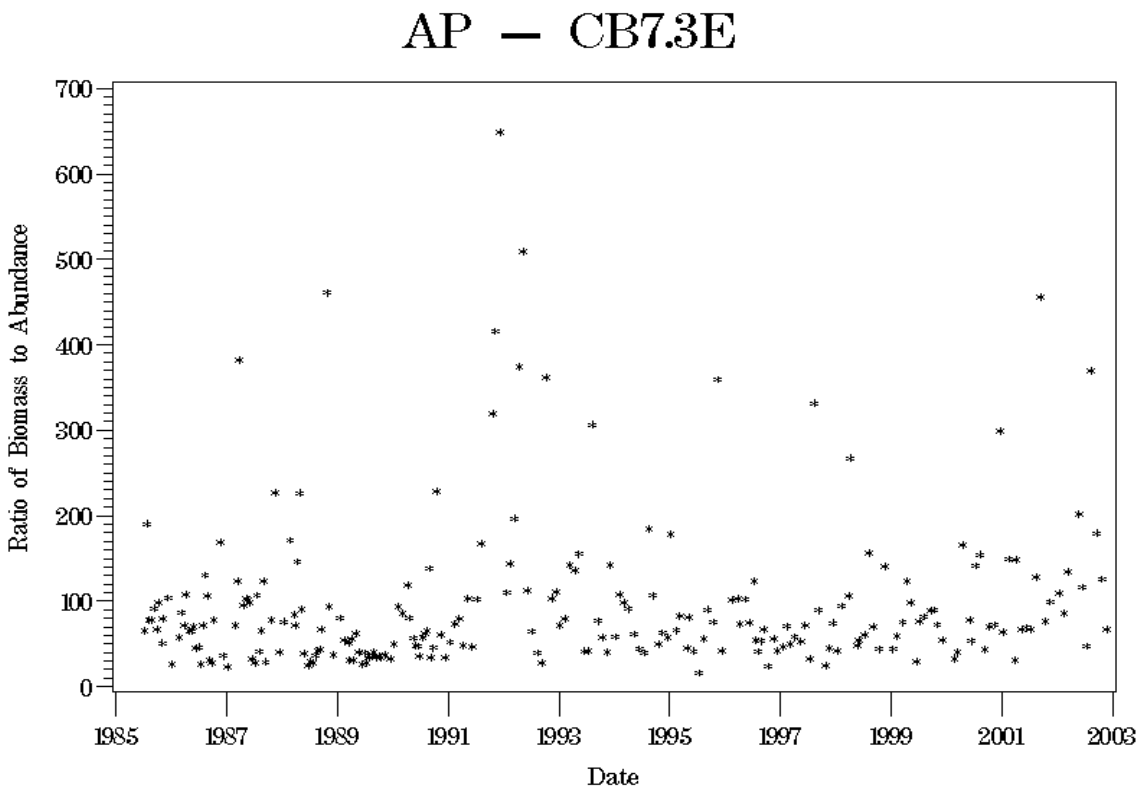

Figure F387. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB7.3E for the period of 1985 through 2002.

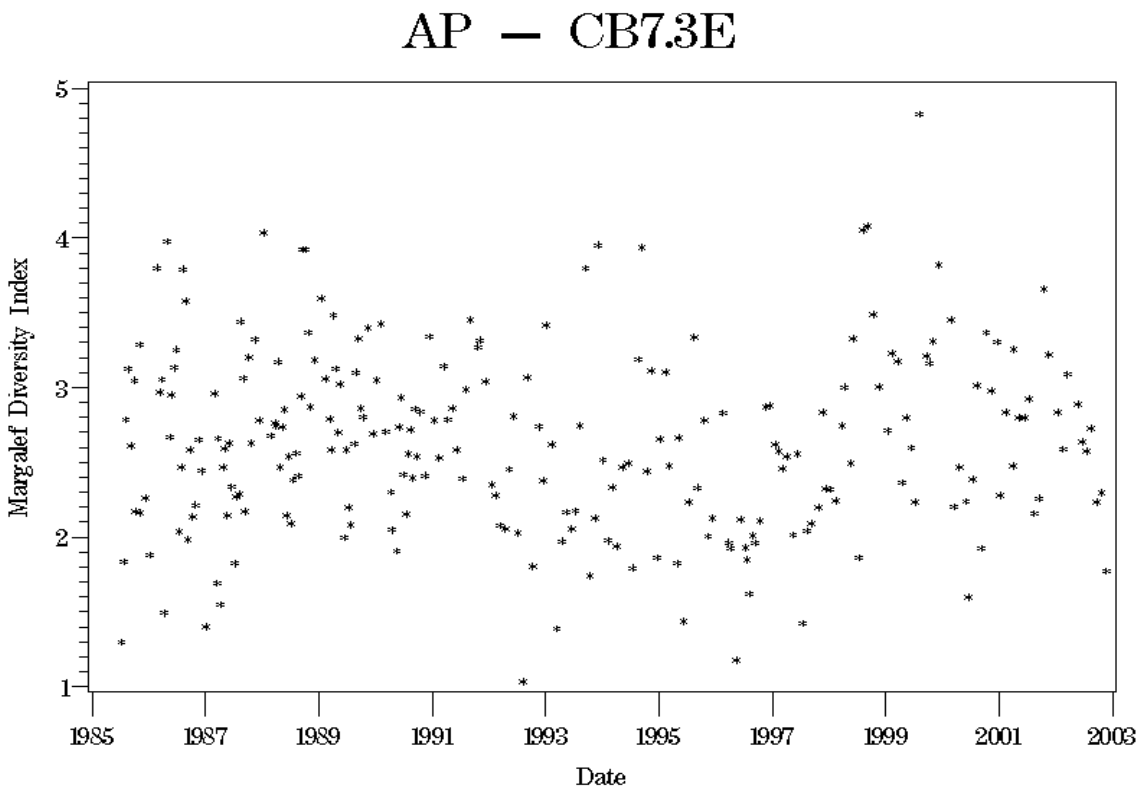

Figure F388. Plot of above pycnocline Margalef diversity index against time at station CB7.3E for the period of 1985 through 2002.

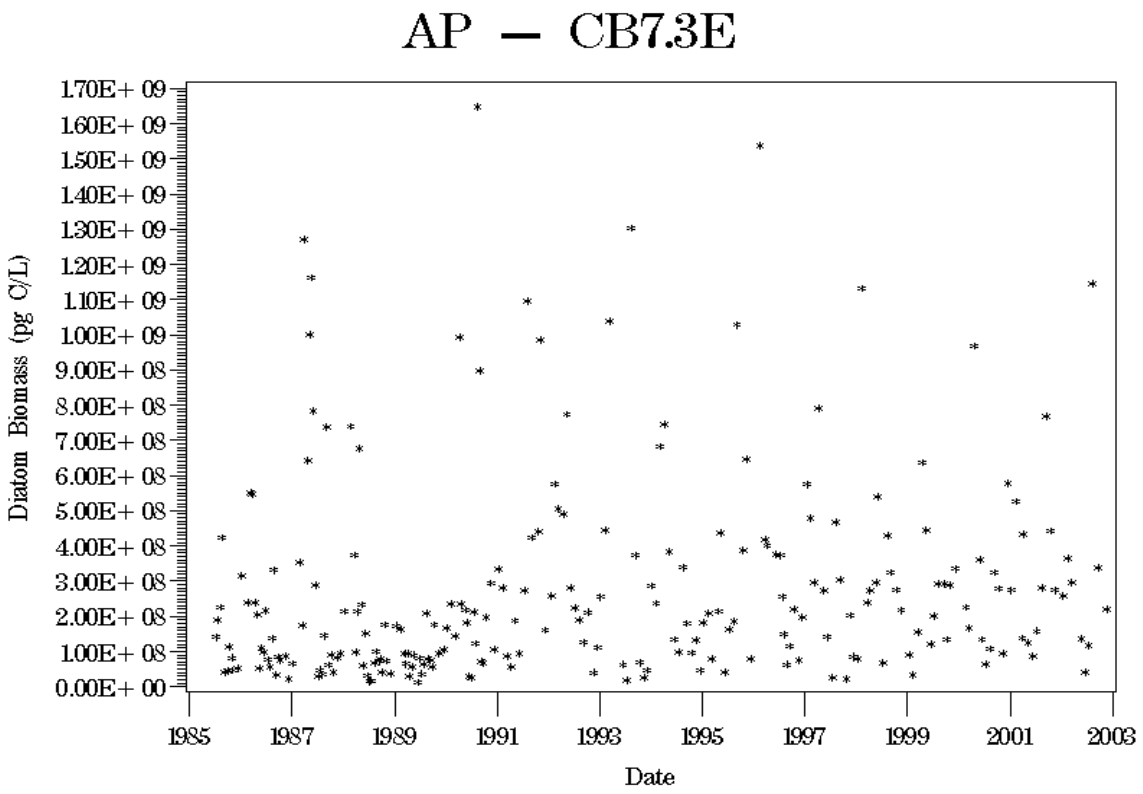

Figure F389. Plot of above pycnocline diatom biomass against time at station CB7.3E for the period of 1985 through 2002.

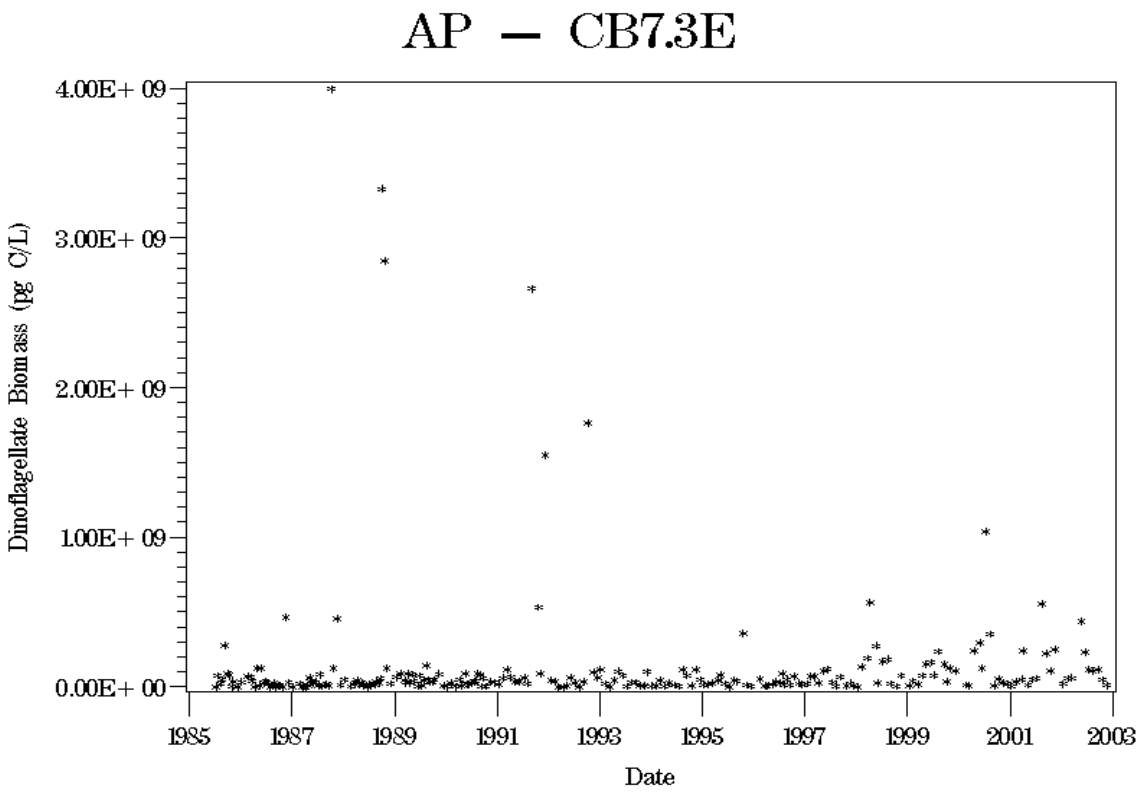

Figure F390. Plot of above pycnocline dinoflagellate biomass against time at station CB7.3E for the period of 1985 through 2002.

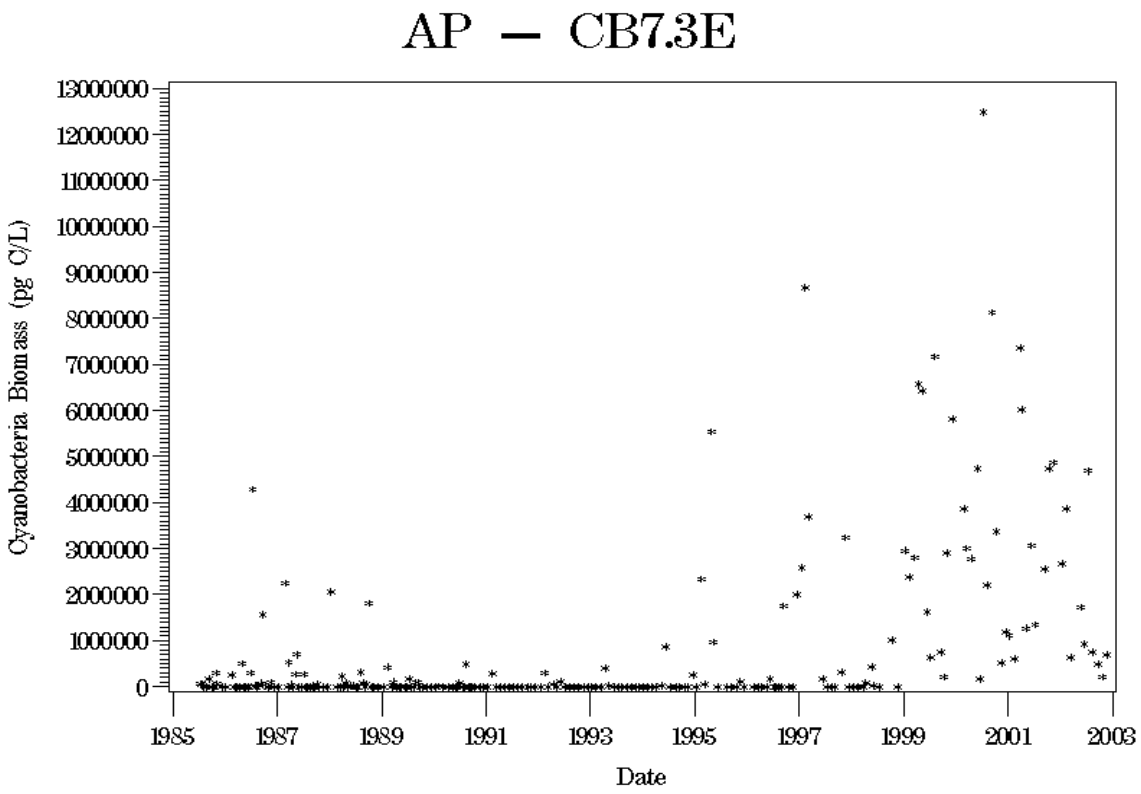

Figure F391. Plot of above pycnocline cyanobacteria biomass against time at station CB7.3E for the period of 1985 through 2002.

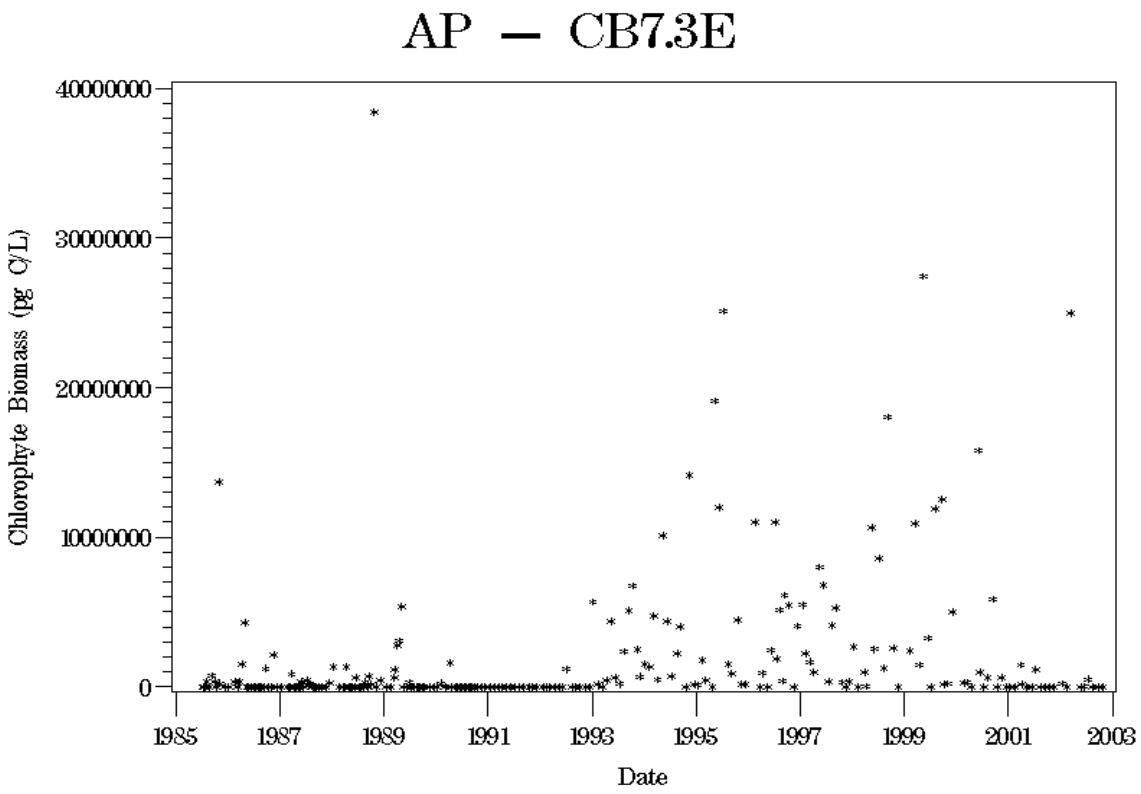

Figure F392. Plot of above pycnocline chlorophyte biomass against time at station CB7.3E for the period of 1985 through 2002.

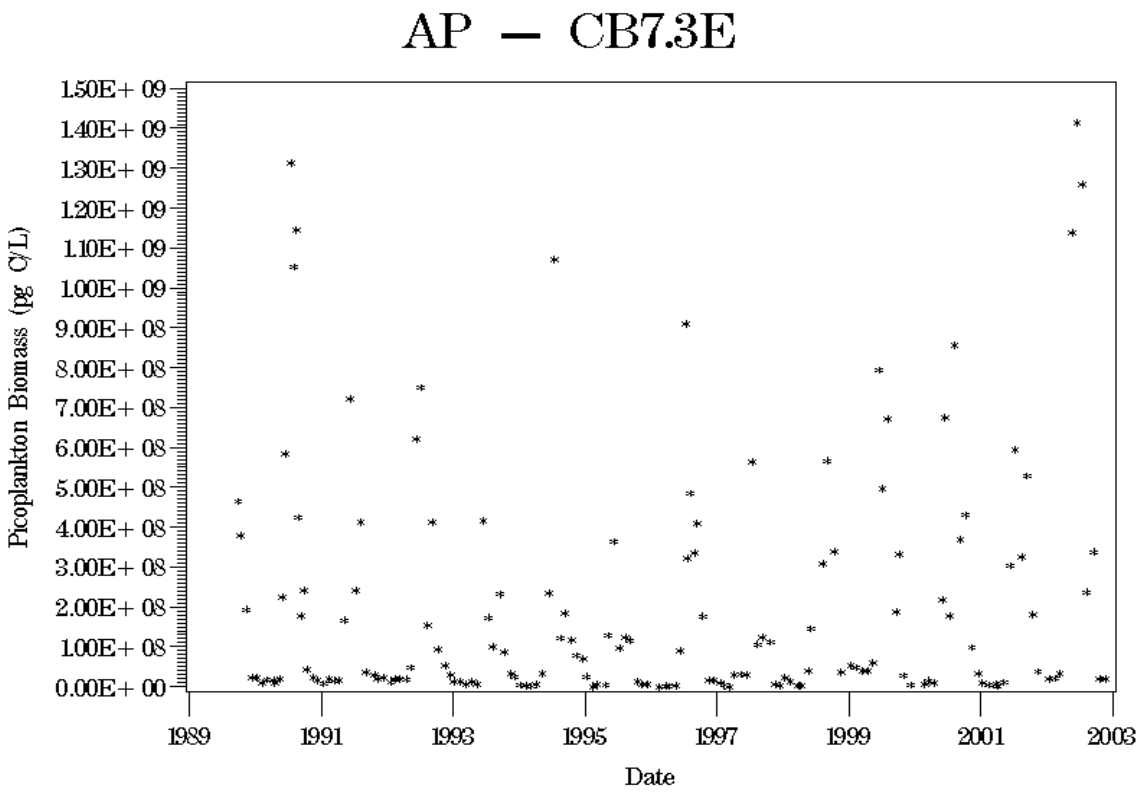

Figure F393. Plot of above pycnocline picoplankton biomass against time at station CB7.3E for the period of 1985 through 2002.

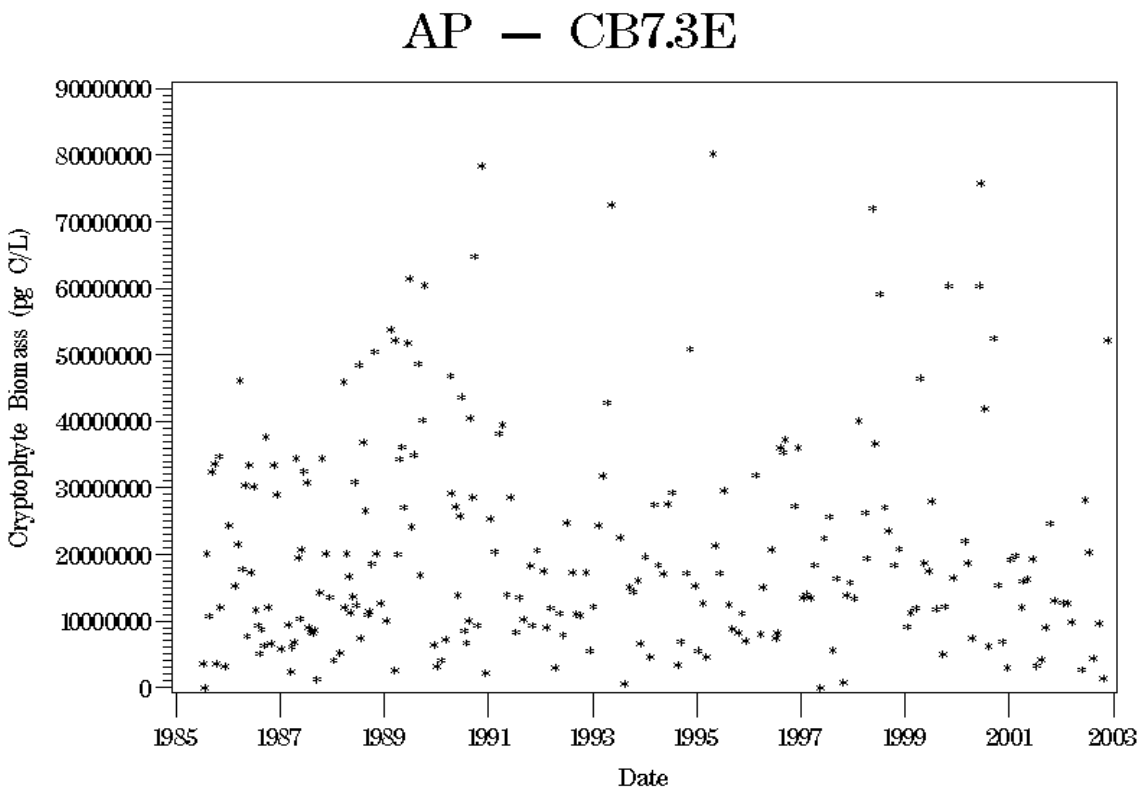

Figure F394. Plot of above pycnocline cryptophyte biomass at station CB7.3E for the period of 1985 through 2002.

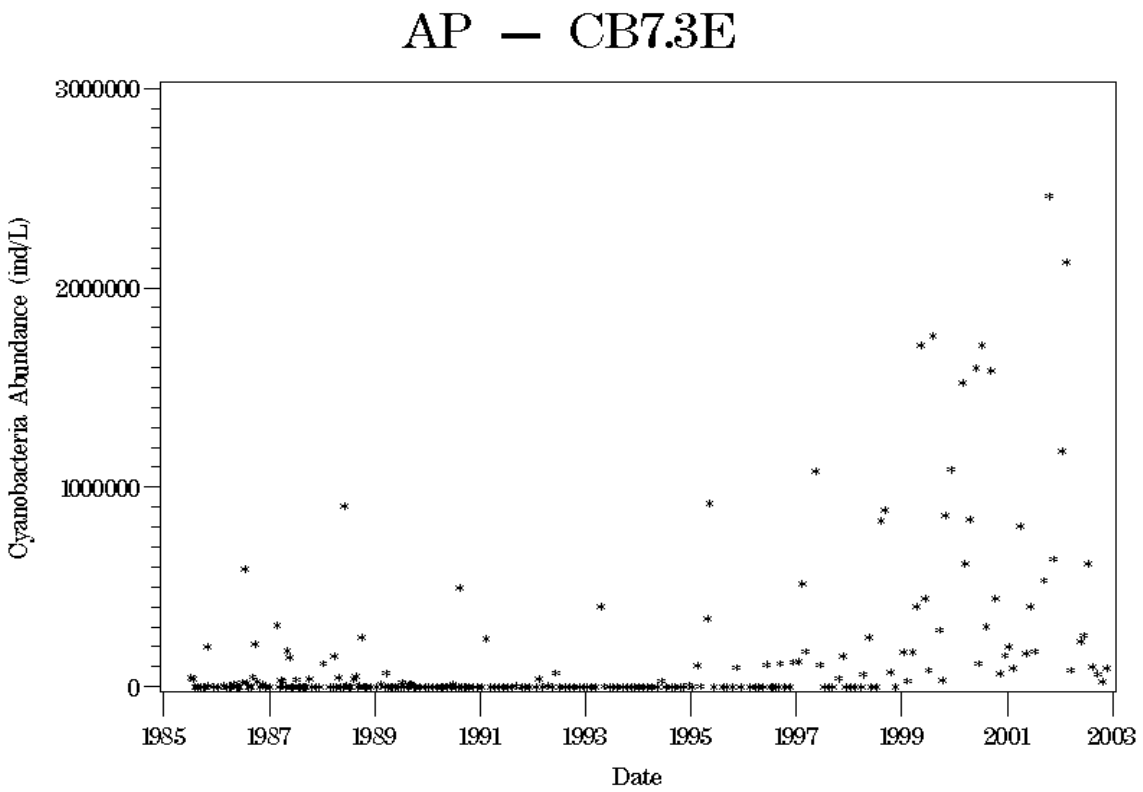

Figure F395. Plot of above pycnocline cyanophyte abundance at station CB7.3E for the period of 1985 through 2002.

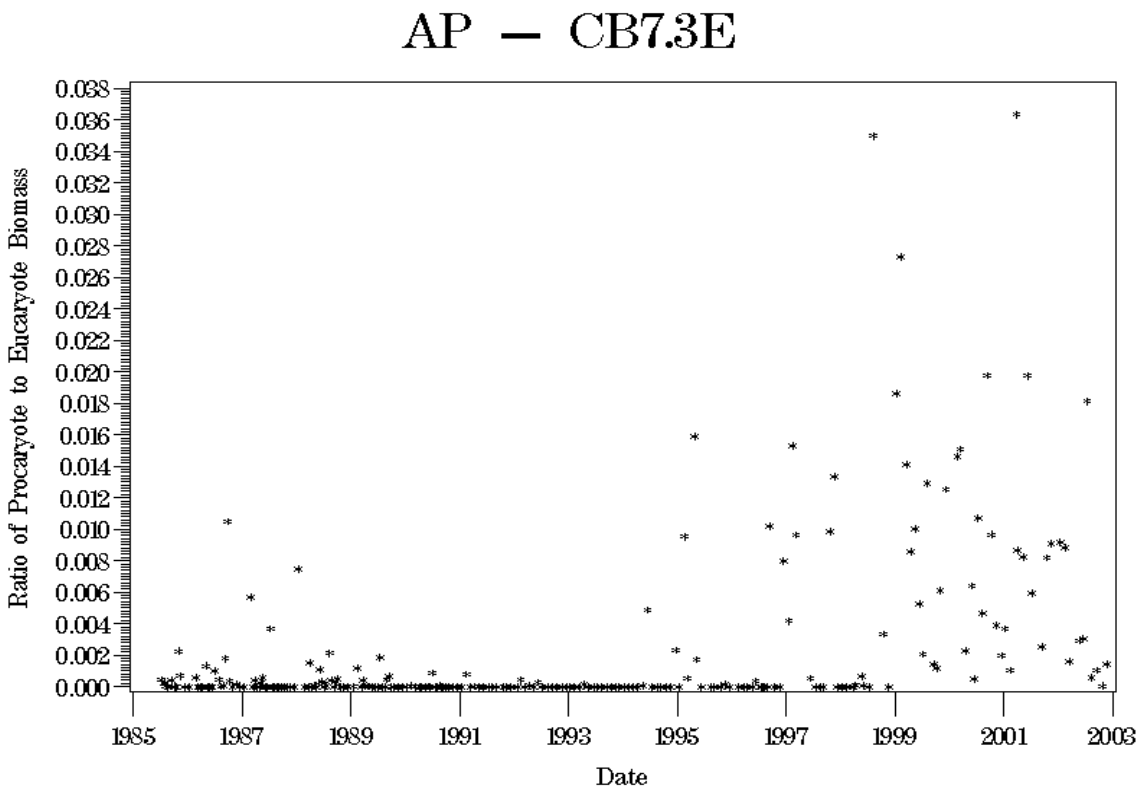

Figure F396. Plot of above pycnocline ratio of procaryote to eucaryote biomass at station CB7.3E for the period of 1985 through 2002.

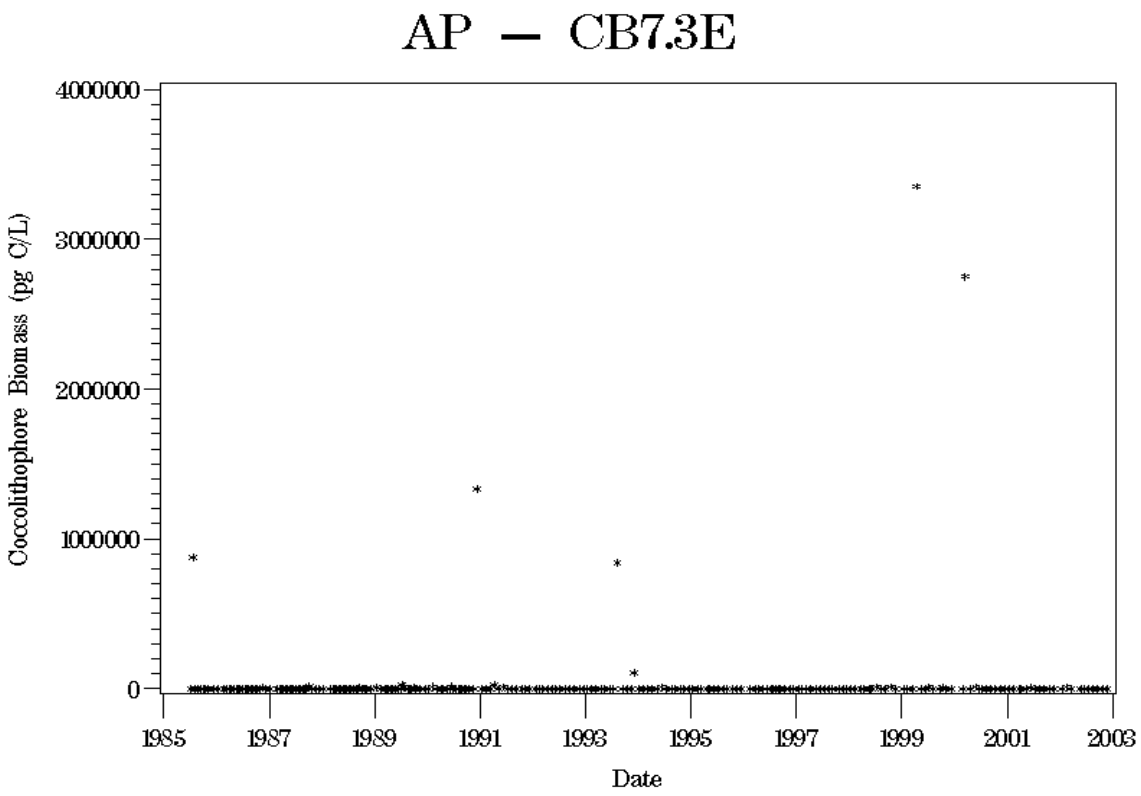

Figure F397. Plot of above pycnocline coccolithophore biomass at station CB7.3E for the period of 1985 through 2002.

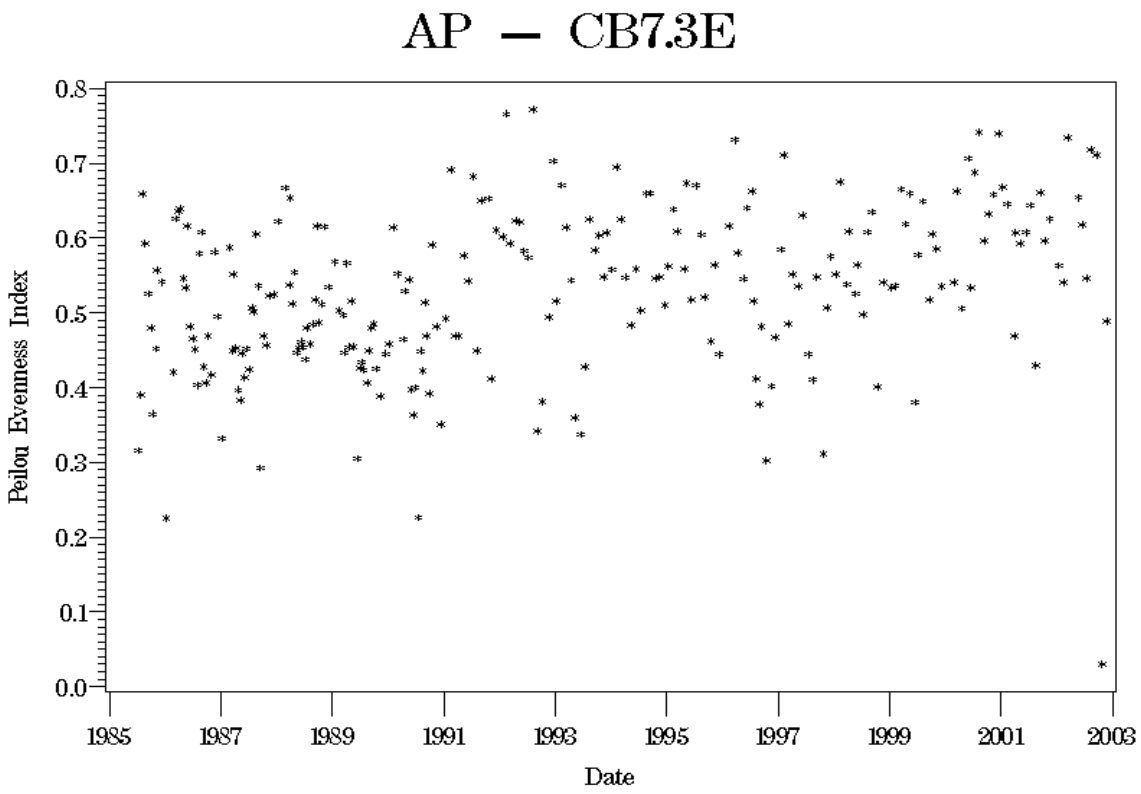

Figure F398. Plot of above pycnocline Pielou evenness index at station CB7.3E for the period of 1985 through 2002.

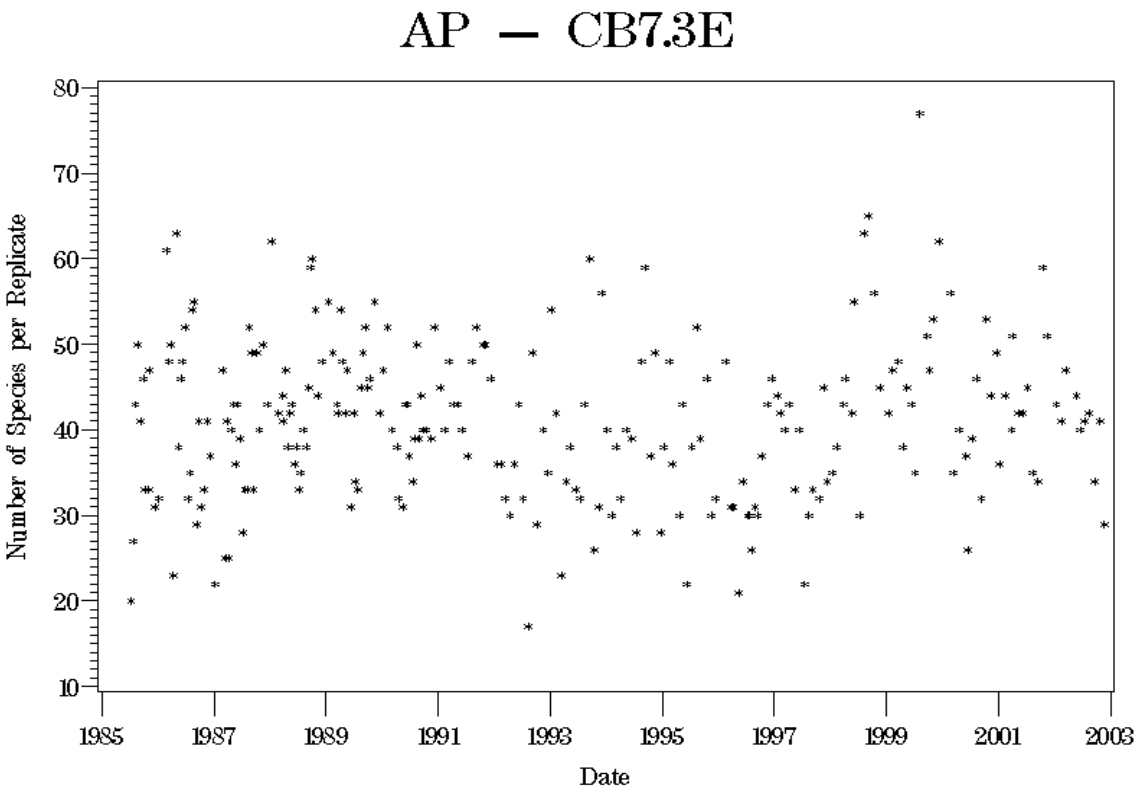

Figure F399. Plot of above pycnocline number of species per replicate at station CB7.3E for the period of 1985 through 2002.

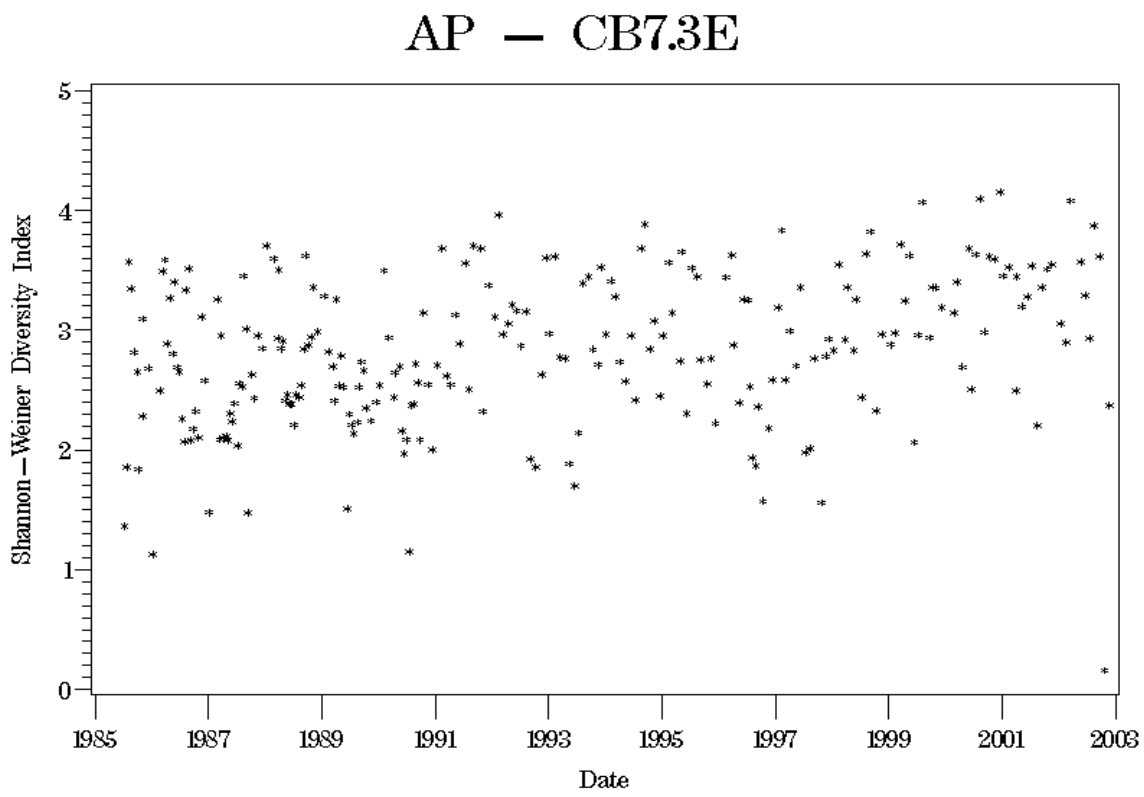

Figure F400. Plot of above pycnocline Shannon-Weiner Diversity index at station CB7.3E for the period of 1985 through 2002.

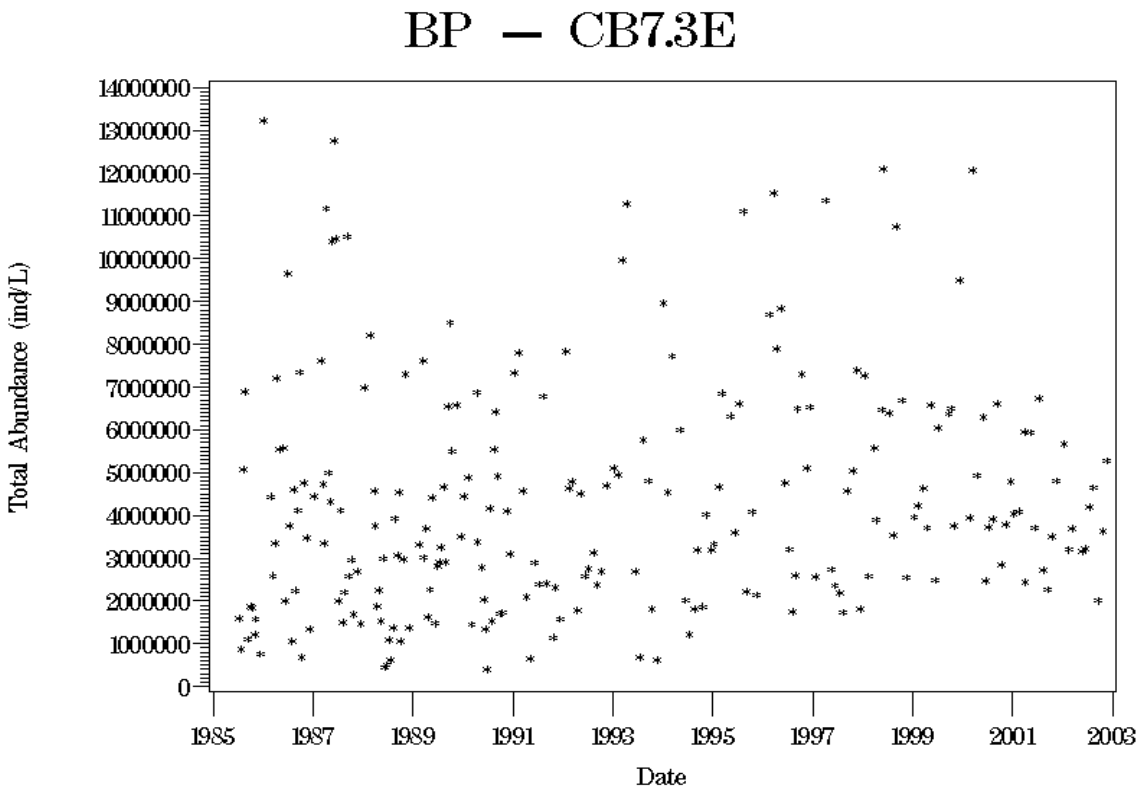

Figure F401. Plot of below pycnocline total phytoplankton abundance against time at station CB7.3E for the period of 1985 through 2002.

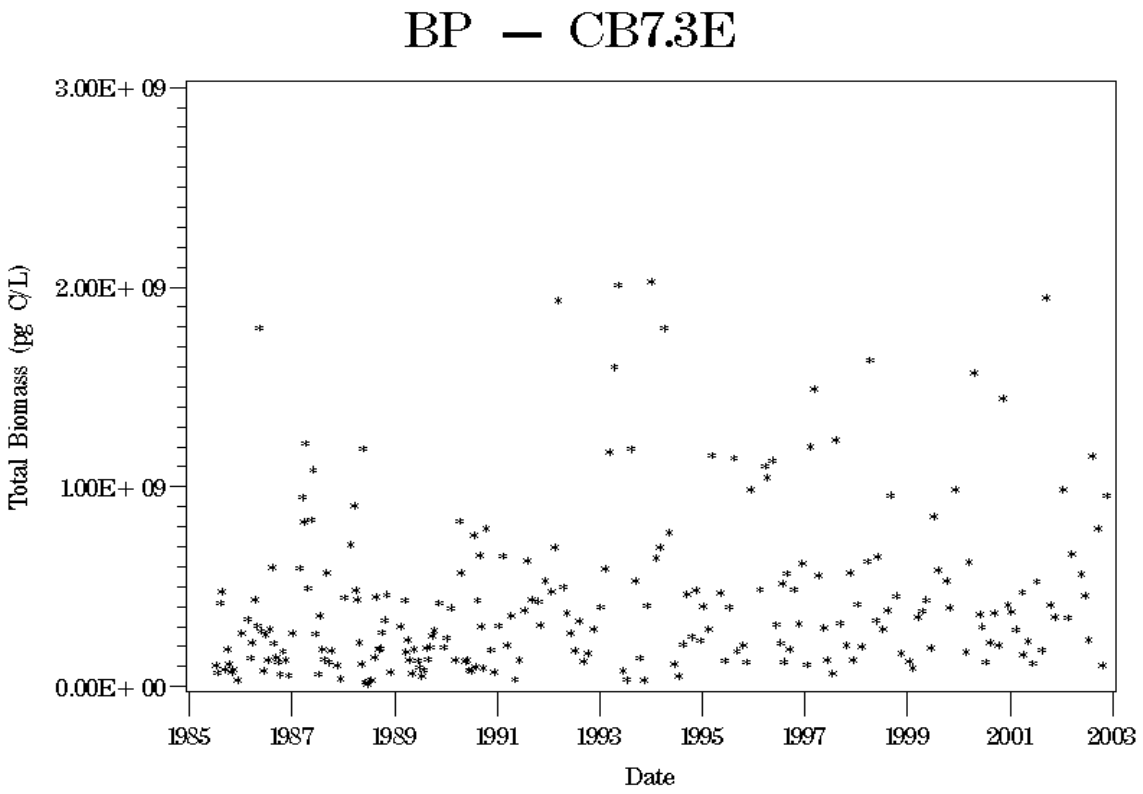

Figure F402. Plot of below pycnocline total phytoplankton biomass against time at station CB7.3E for the period of 1985 through 2002.

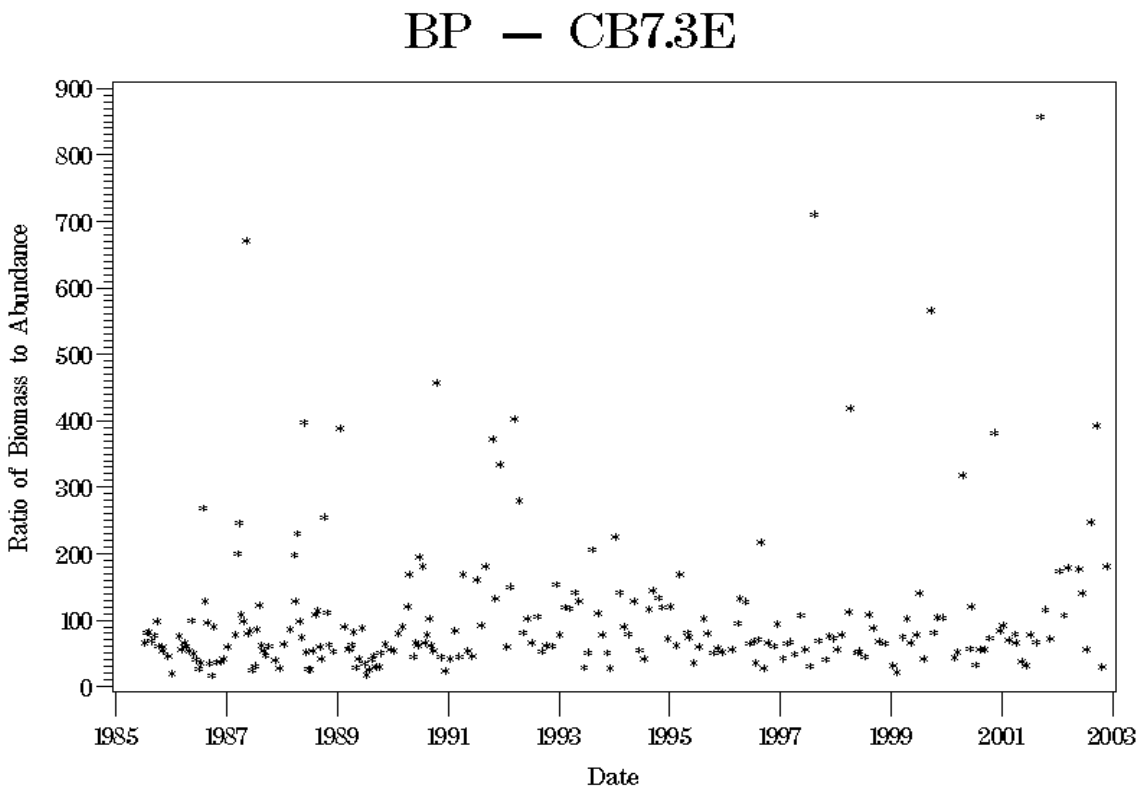

Figure F403. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB7.3E for the period of 1985 through 2002.

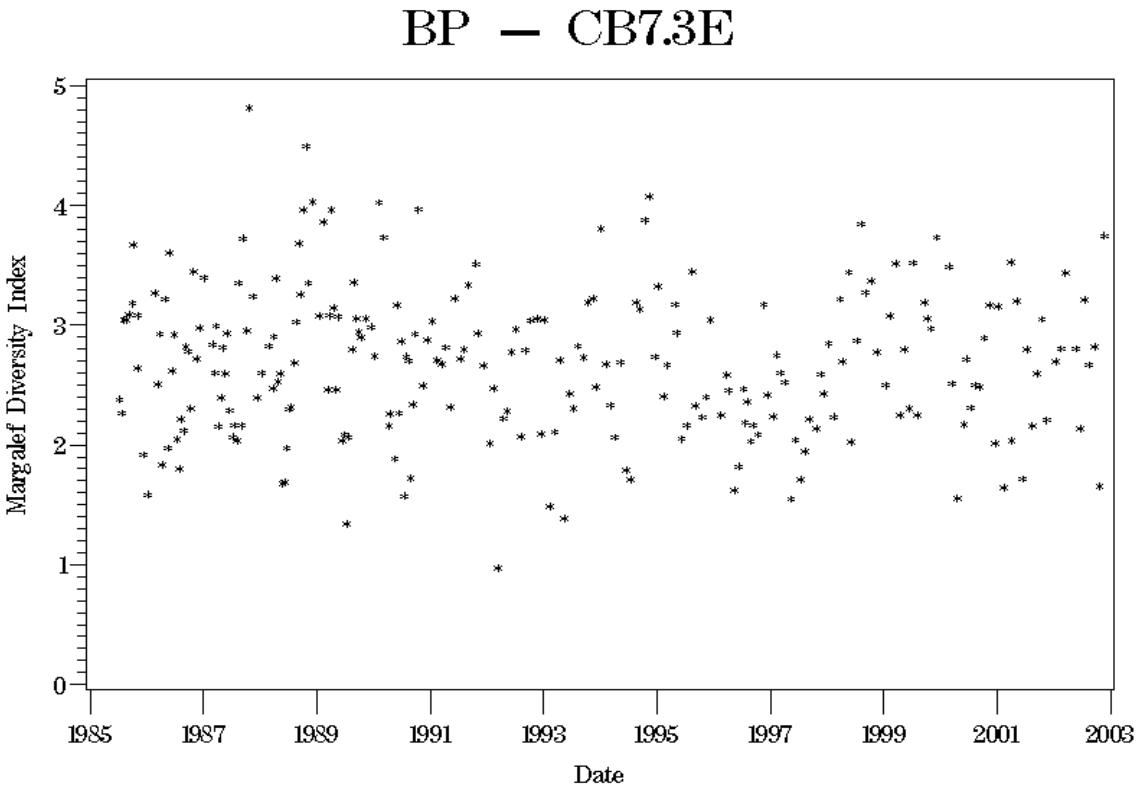

Figure F404. Plot of below pycnocline Margalef diversity index against time at station CB7.3E for the period of 1985 through 2002.

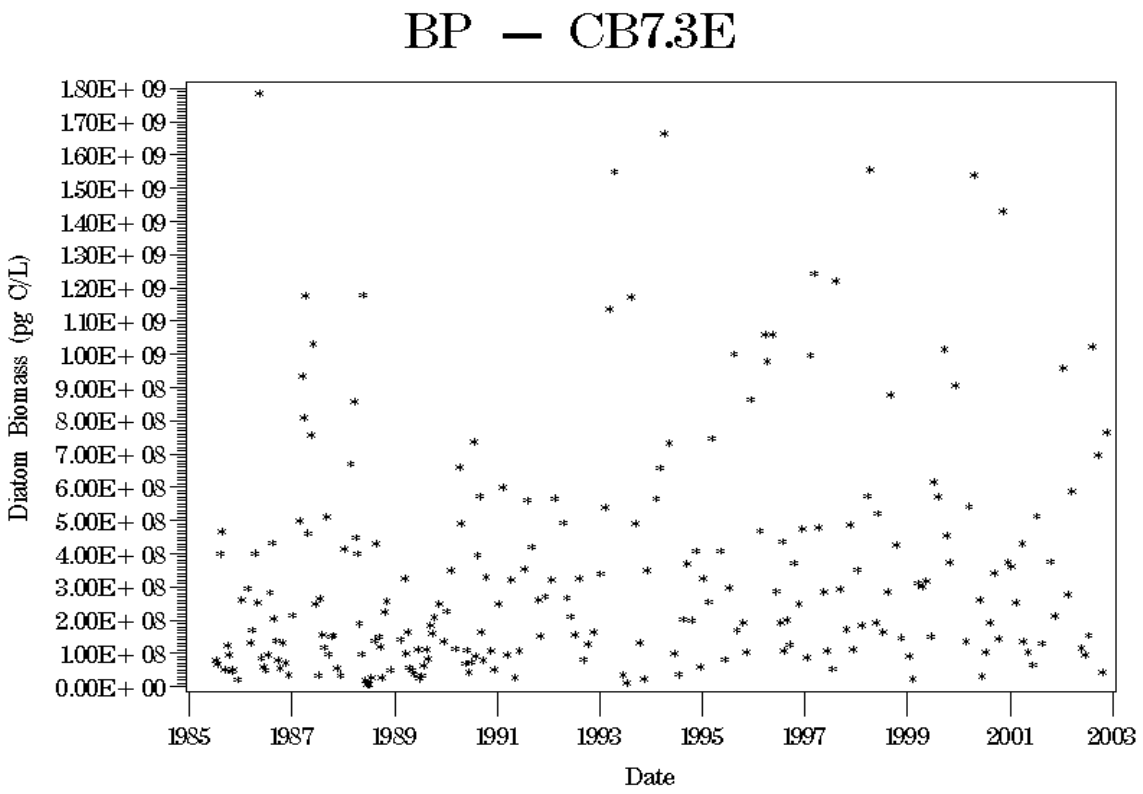

Figure F405. Plot of below pycnocline diatom biomass against time at station CB7.3E for the period of 1985 through 2002.

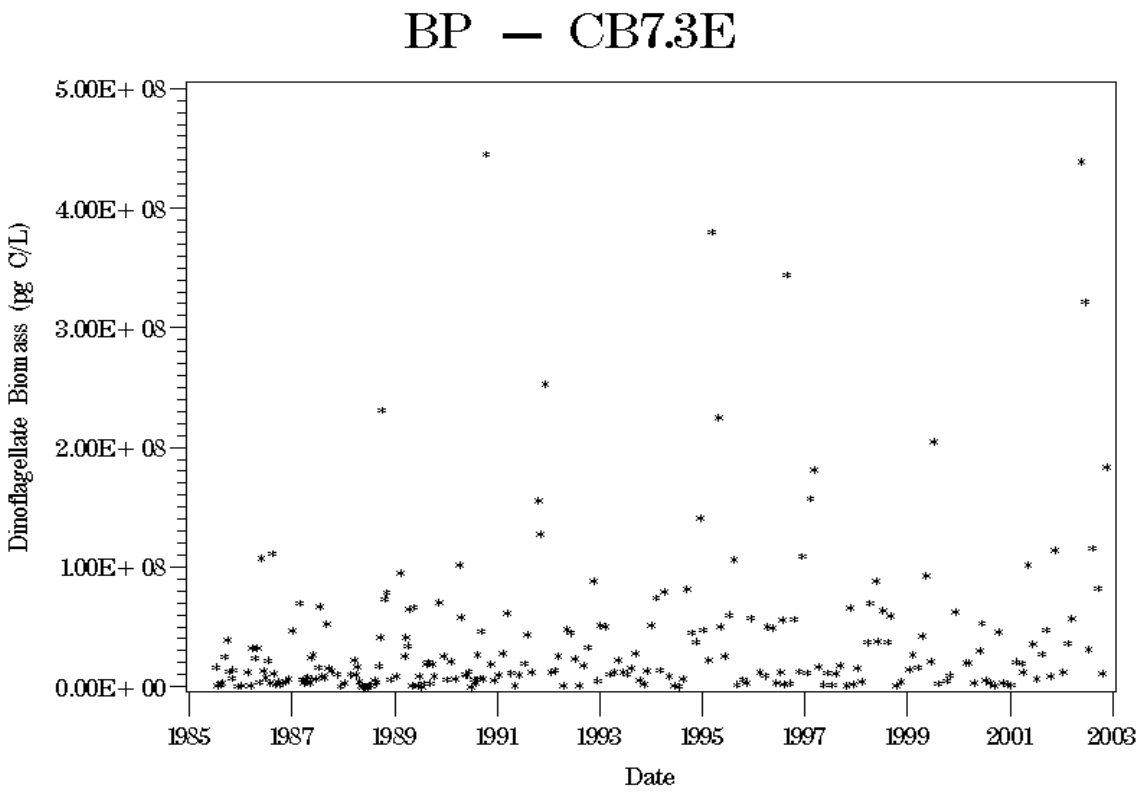

Figure F406. Plot of below pycnocline dinoflagellate biomass against time at station CB7.3E for the period of 1985 through 2002.

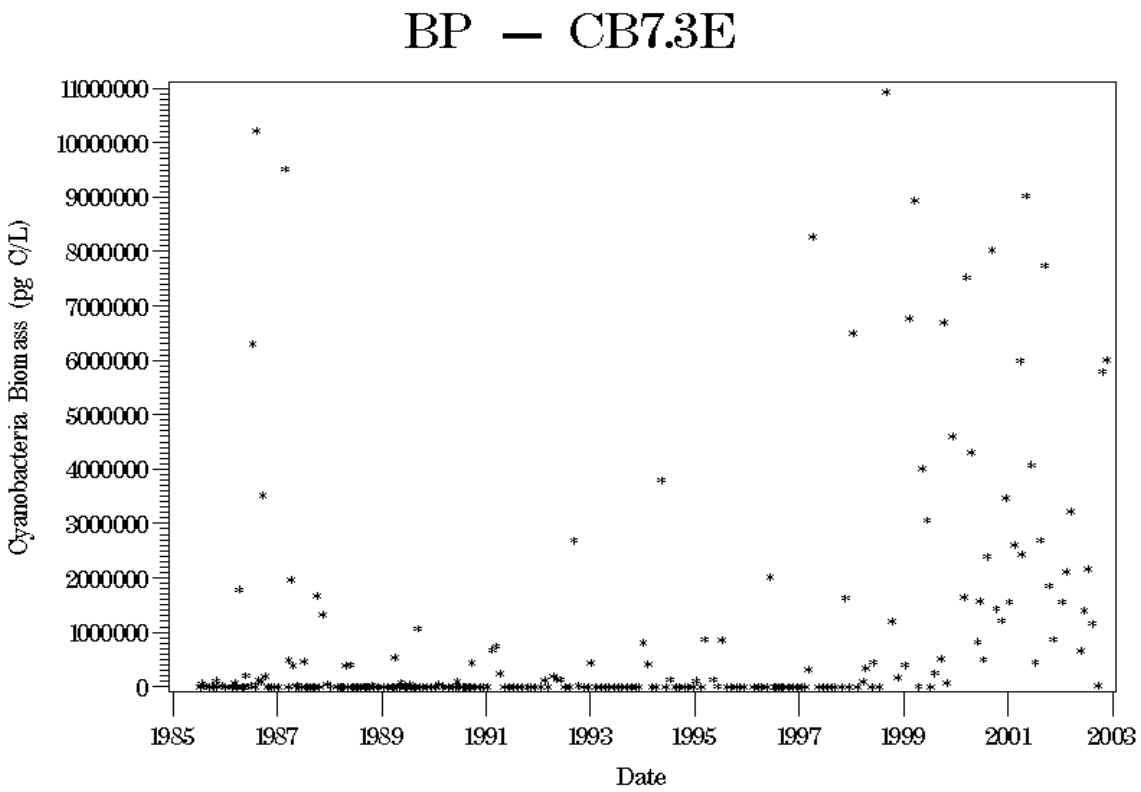

Figure F407. Plot of below pycnocline cyanobacteria biomass against time at station CB7.3E for the period of 1985 through 2002.

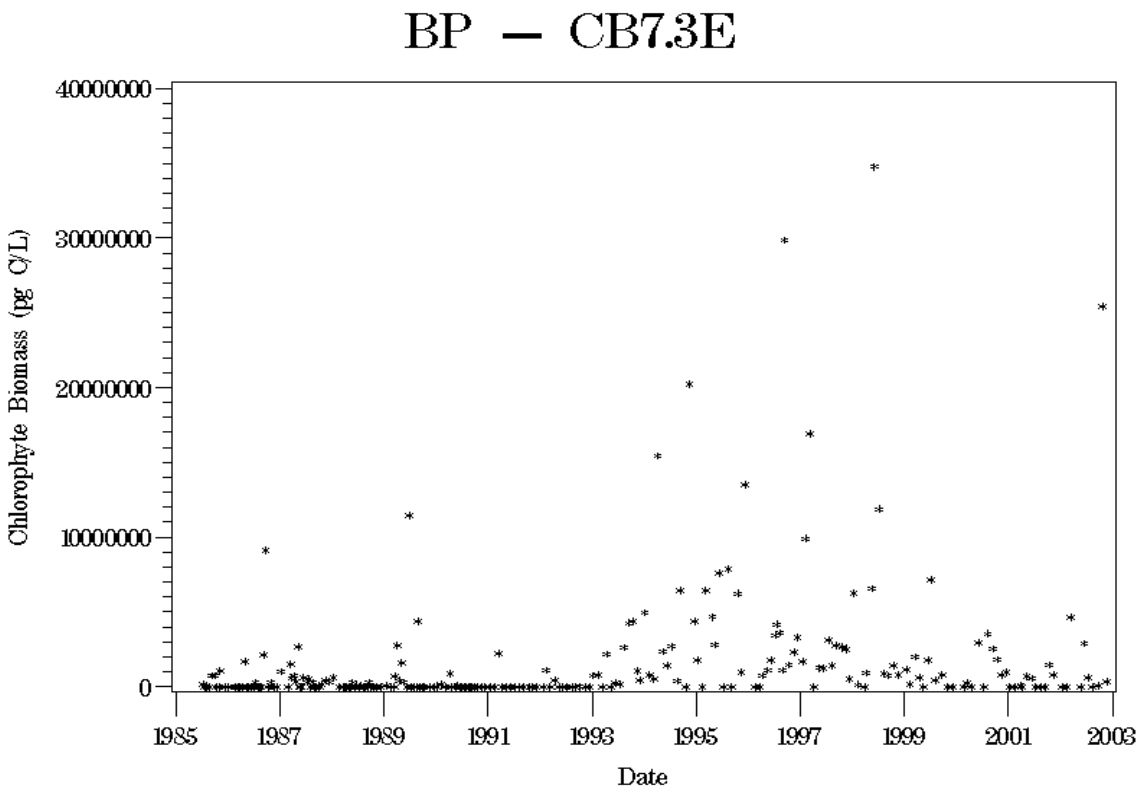

Figure F408. Plot of below pycnocline chlorophyte biomass against time at station CB7.3E for the period of 1985 through 2002.

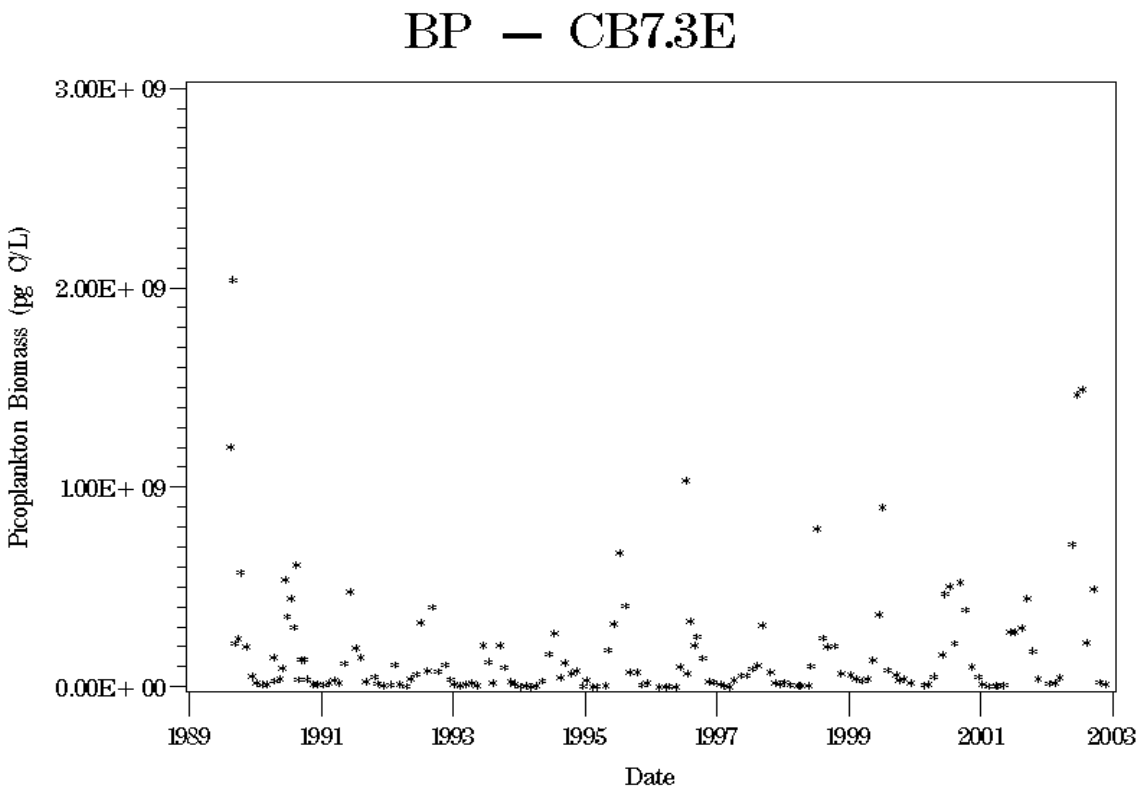

Figure F409. Plot of below pycnocline picoplankton biomass against time at station CB7.3E for the period of 1985 through 2002.

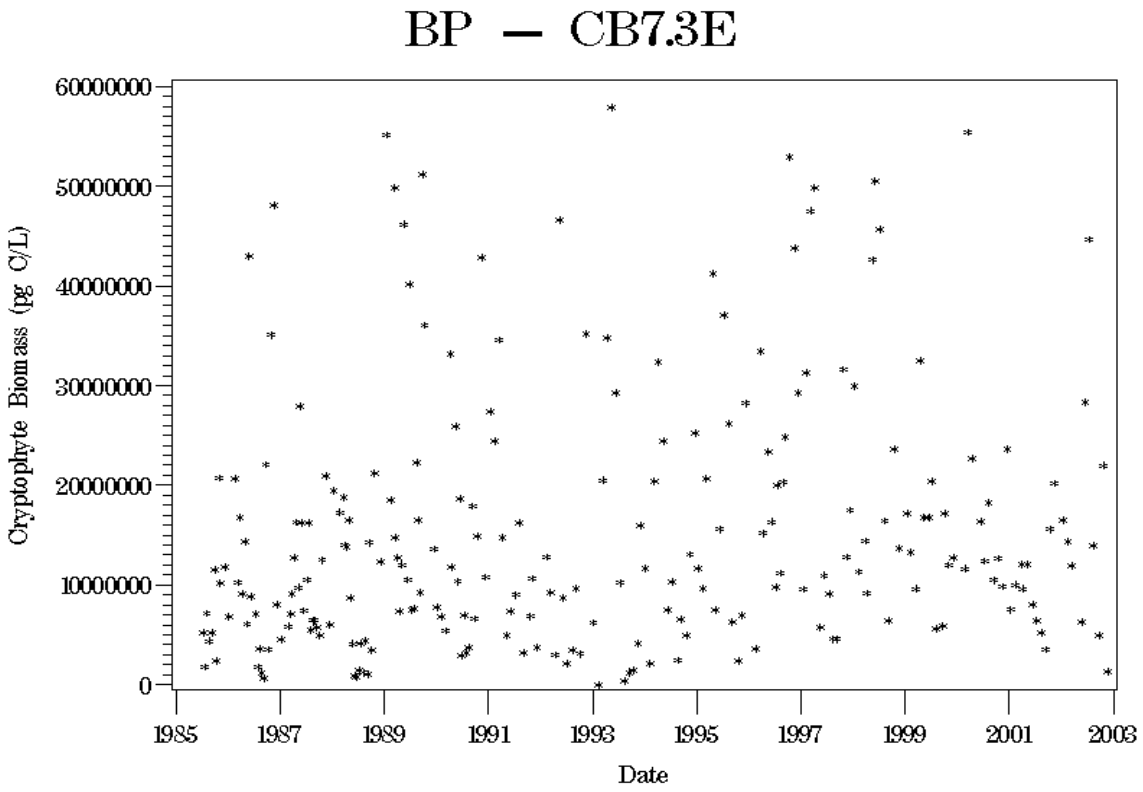

Figure F410. Plot of below pycnocline cryptophyte biomass at station CB7.3E for the period of 1985 through 2002.

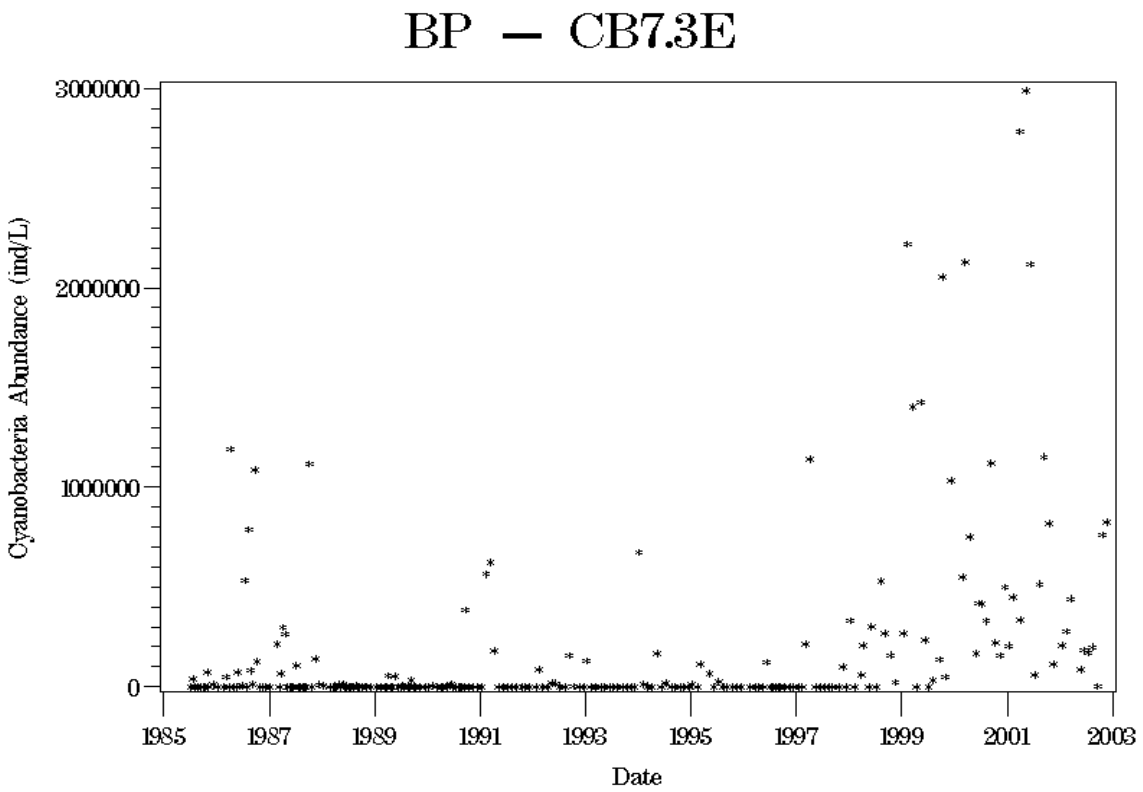

Figure F411. Plot of below pycnocline cyanophyte abundance at station CB7.3E for the period of 1985 through 2002.

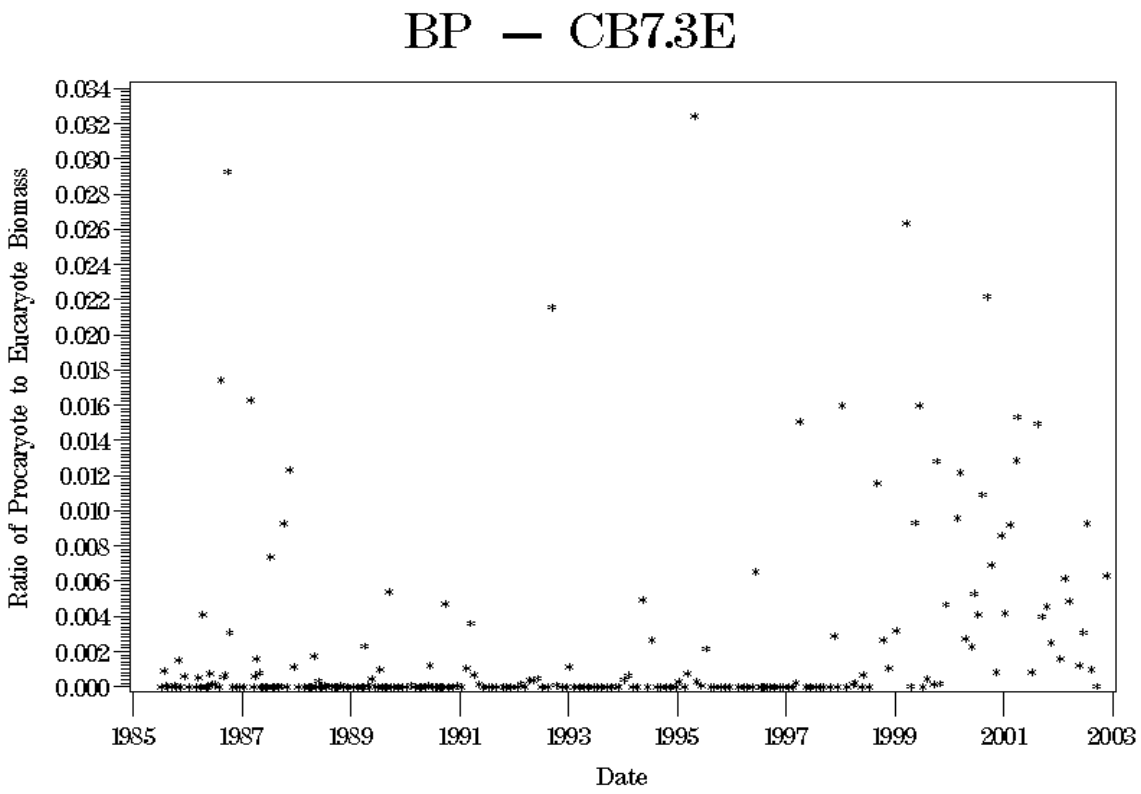

Figure F412. Plot of below pycnocline ratio of procaryote to eucaryote biomass at station CB7.3E for the period of 1985 through 2002.

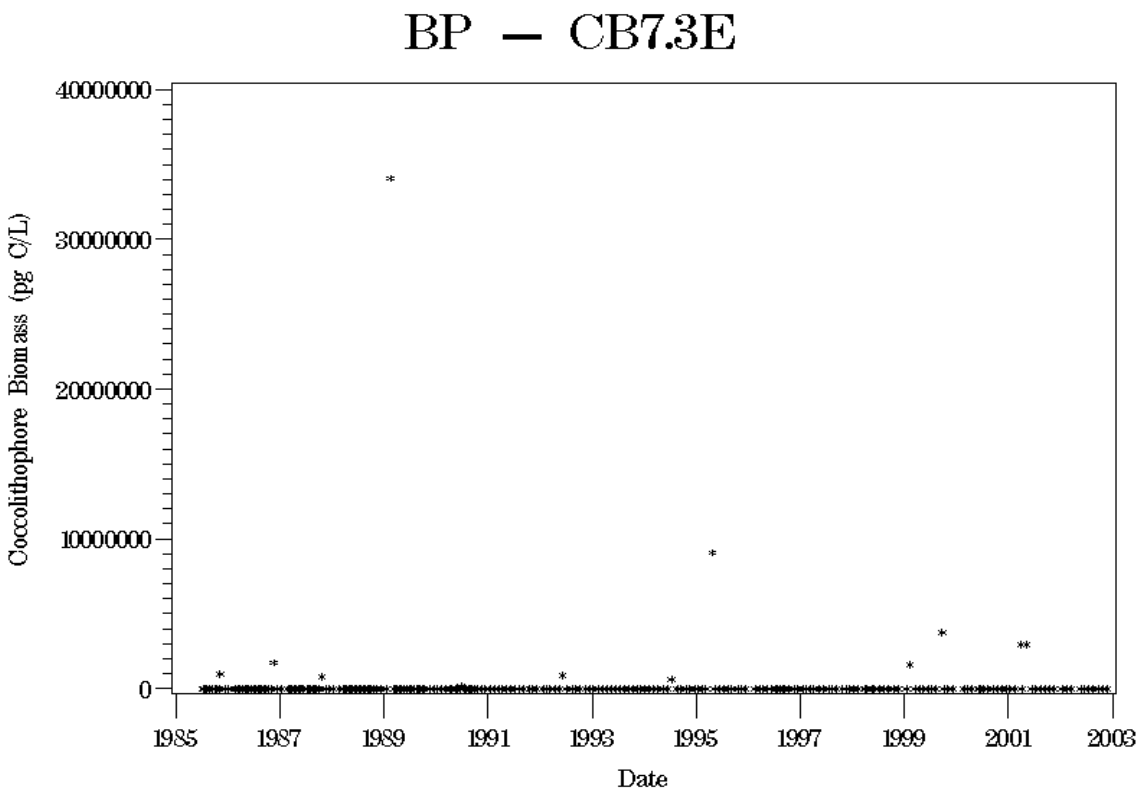

Figure F413. Plot of below pycnocline coccolithophore biomass at station CB7.3E for the period of 1985 through 2002.

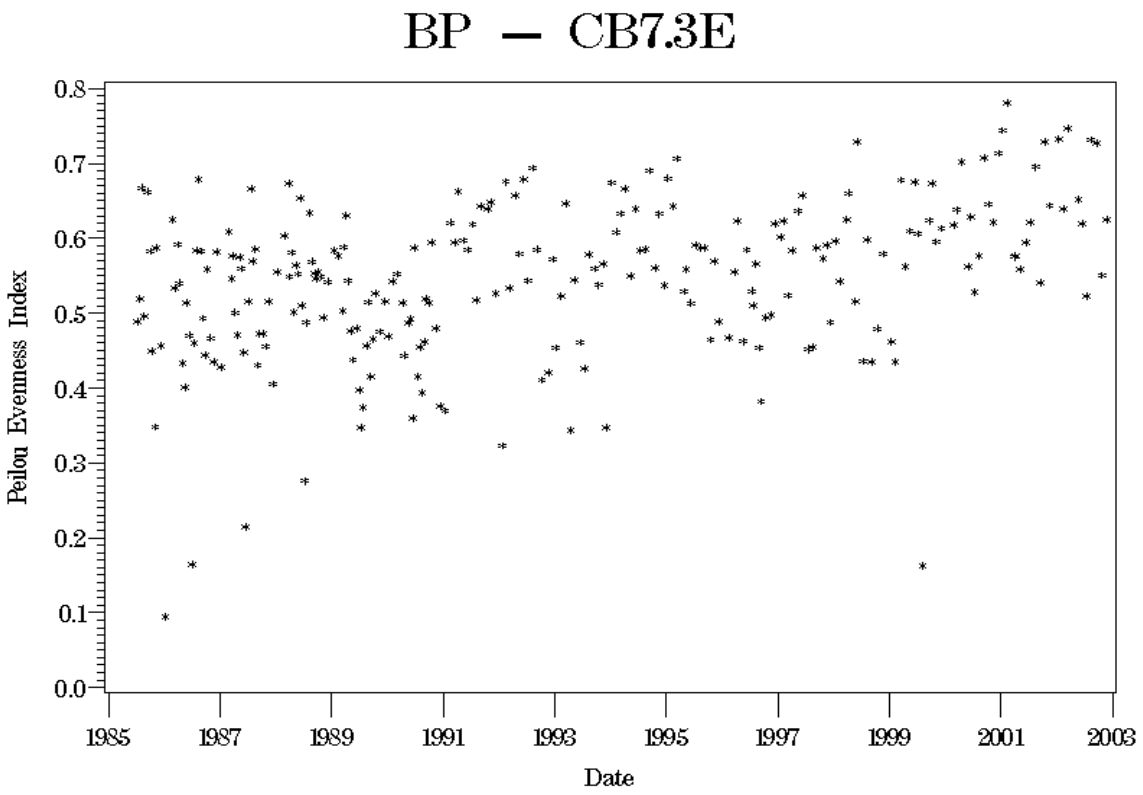

Figure F414. Plot of below pycnocline Pielou evenness index at station CB7.3E for the period of 1985 through 2002.

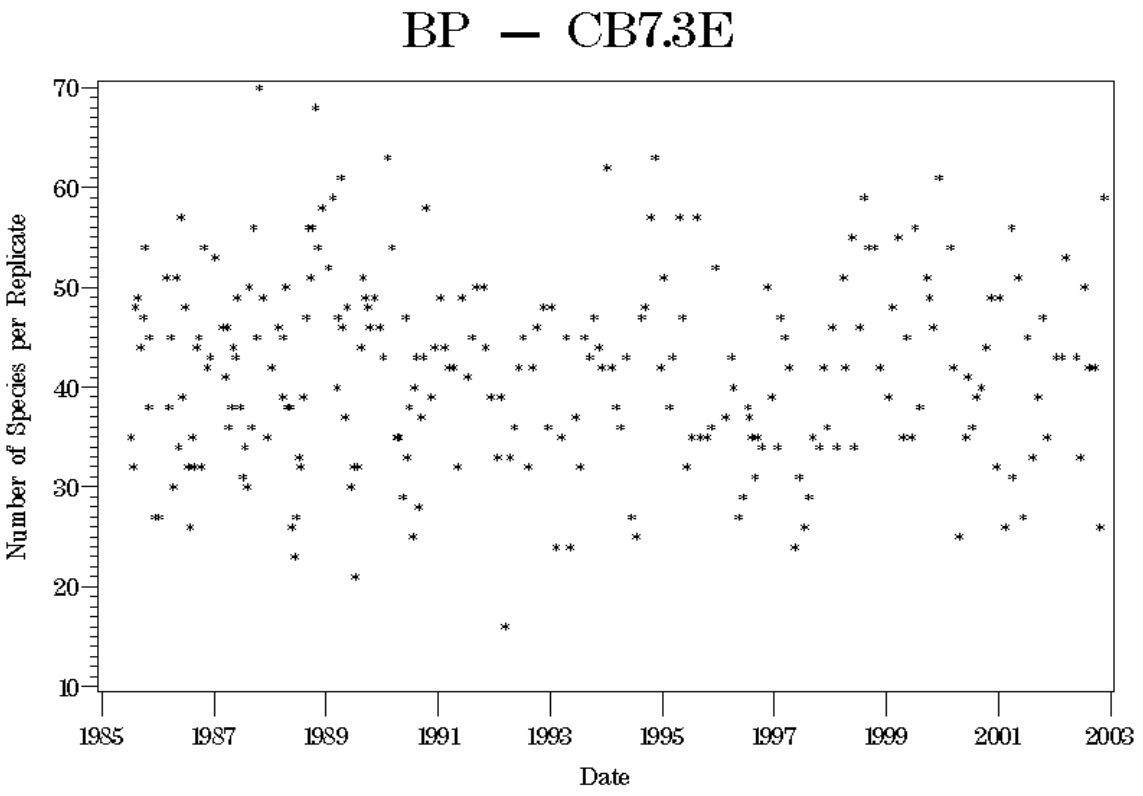

Figure F415. Plot of below pycnocline number of species per replicate at station CB7.3E for the period of 1985 through 2002.

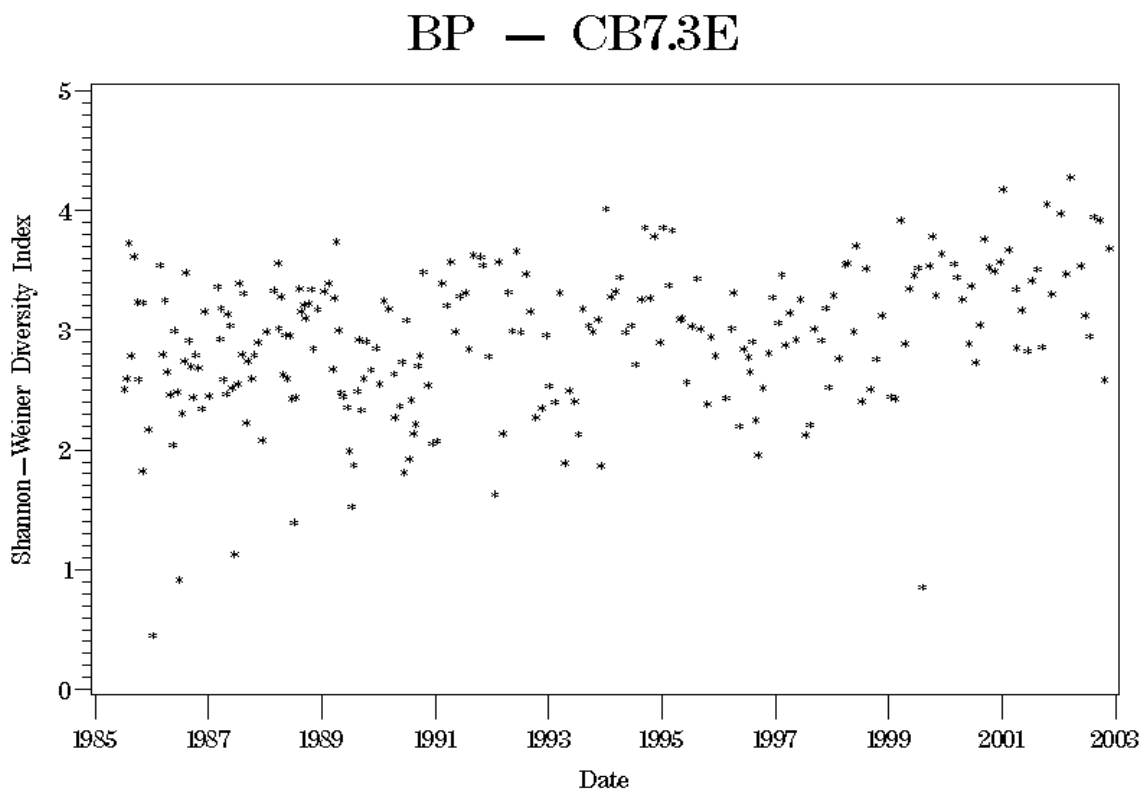

Figure F416. Plot of below pycnocline Shannon-Weiner Diversity index at station CB7.3E for the period of 1985 through 2002.

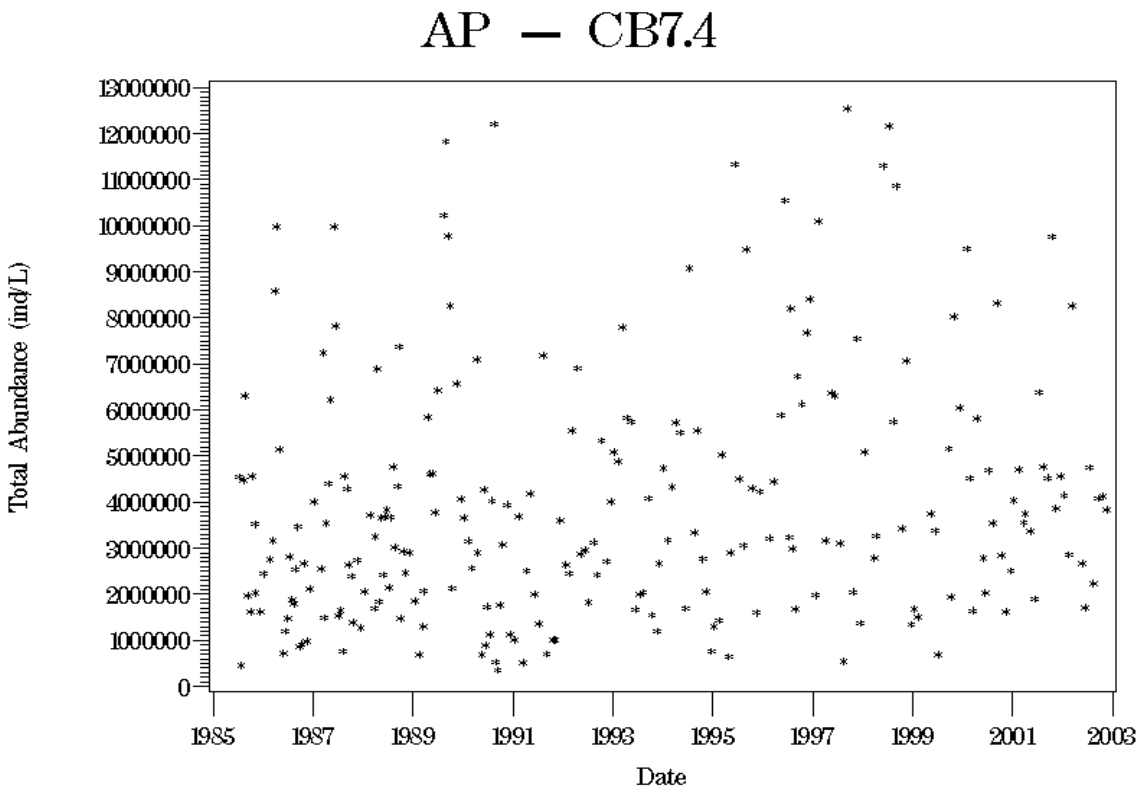

Figure F417. Plot of above pycnocline total phytoplankton abundance against time at station CB7.4 for the period of 1985 through 2002.

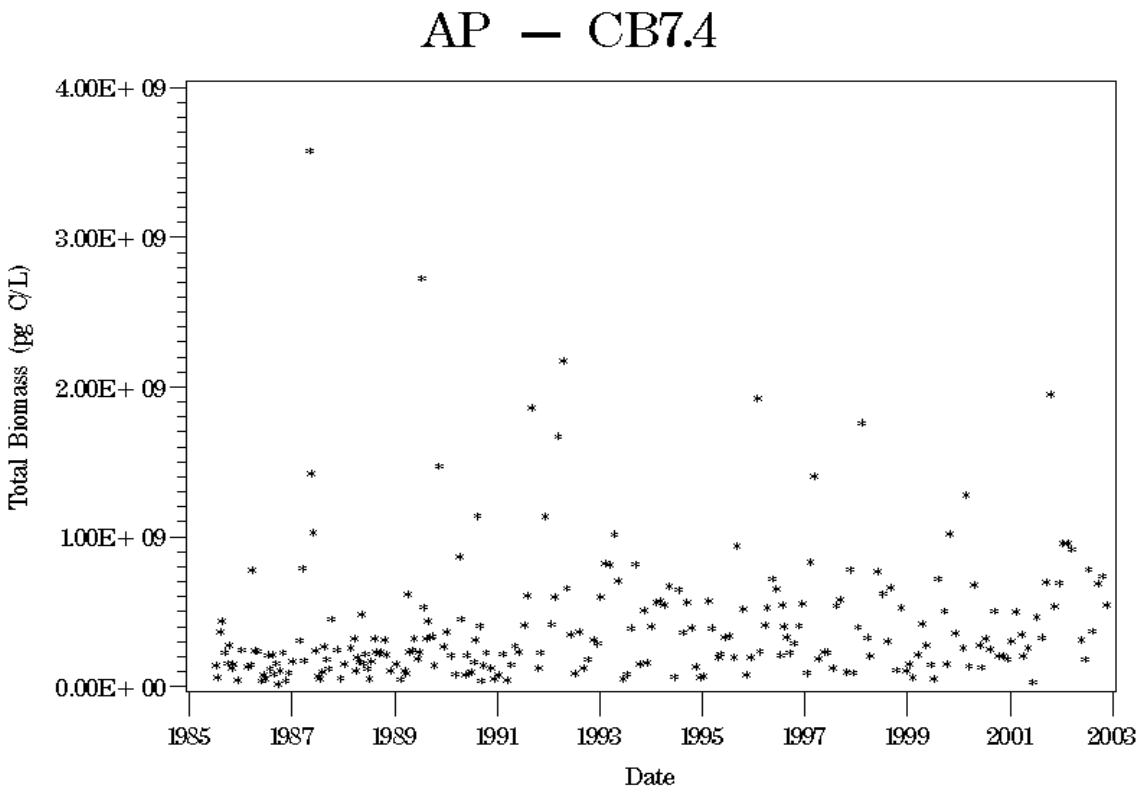

Figure F418. Plot of above pycnocline total phytoplankton biomass against time at station CB7.4 for the period of 1985 through 2002.

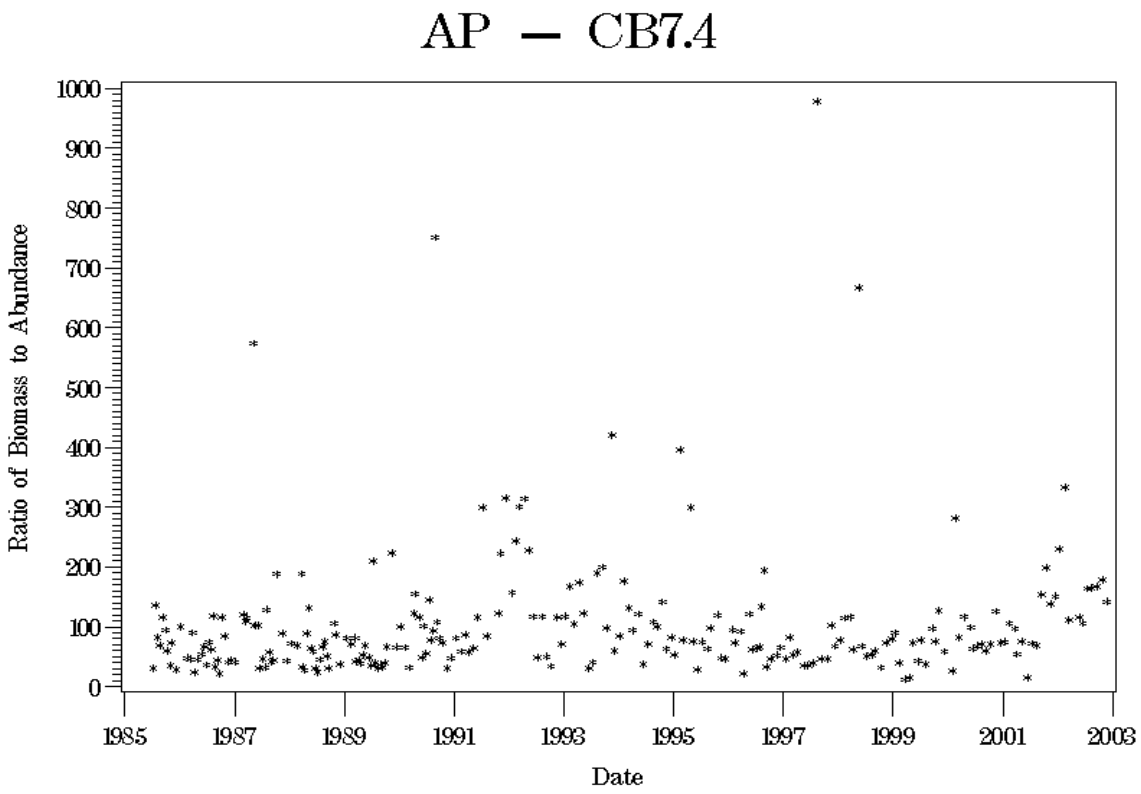

Figure F419. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB7.4 for the period of 1985 through 2002.

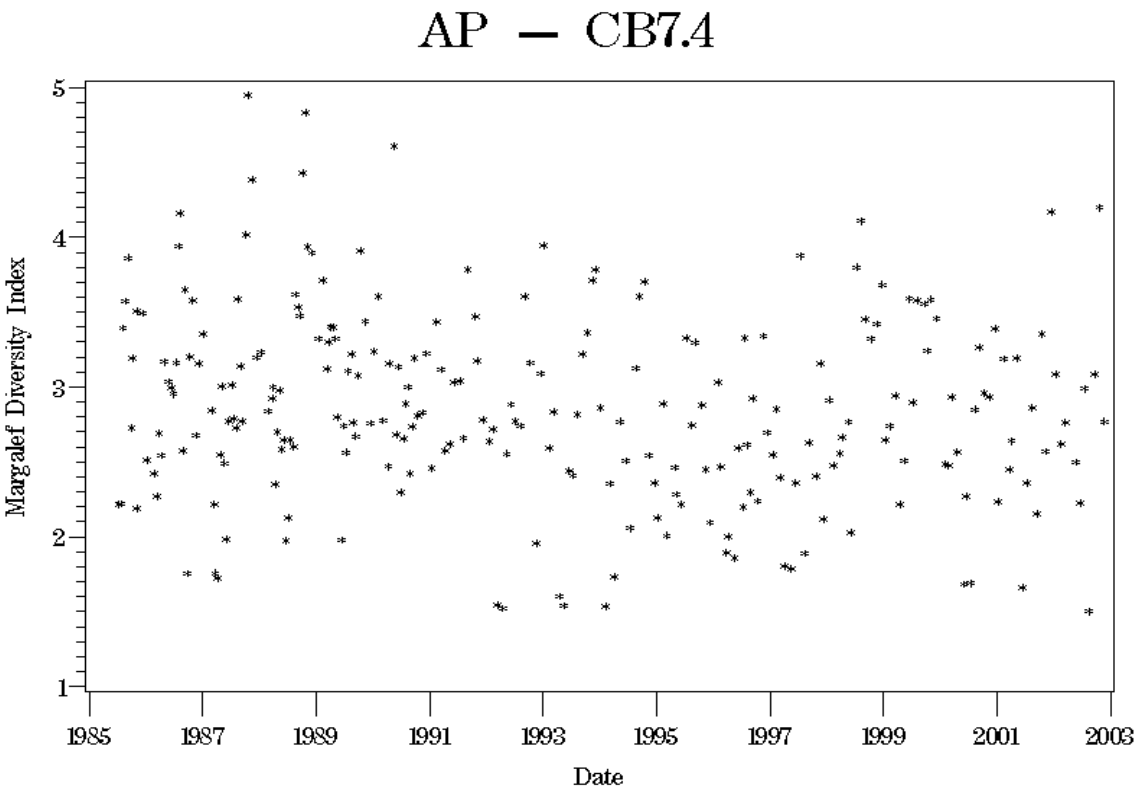

Figure F420. Plot of above pycnocline Margalef diversity index against time at station CB7.4 for the period of 1985 through 2002.

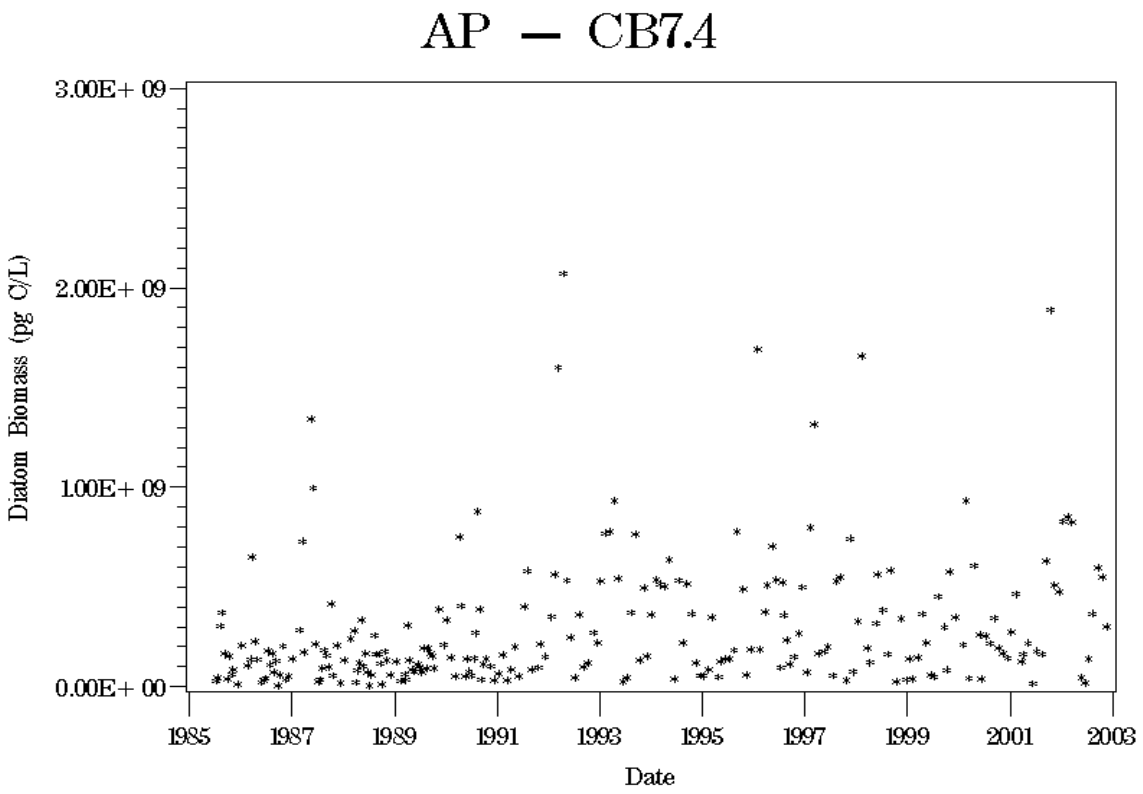

Figure F421. Plot of above pycnocline diatom biomass against time at station CB7.4 for the period of 1985 through 2002.

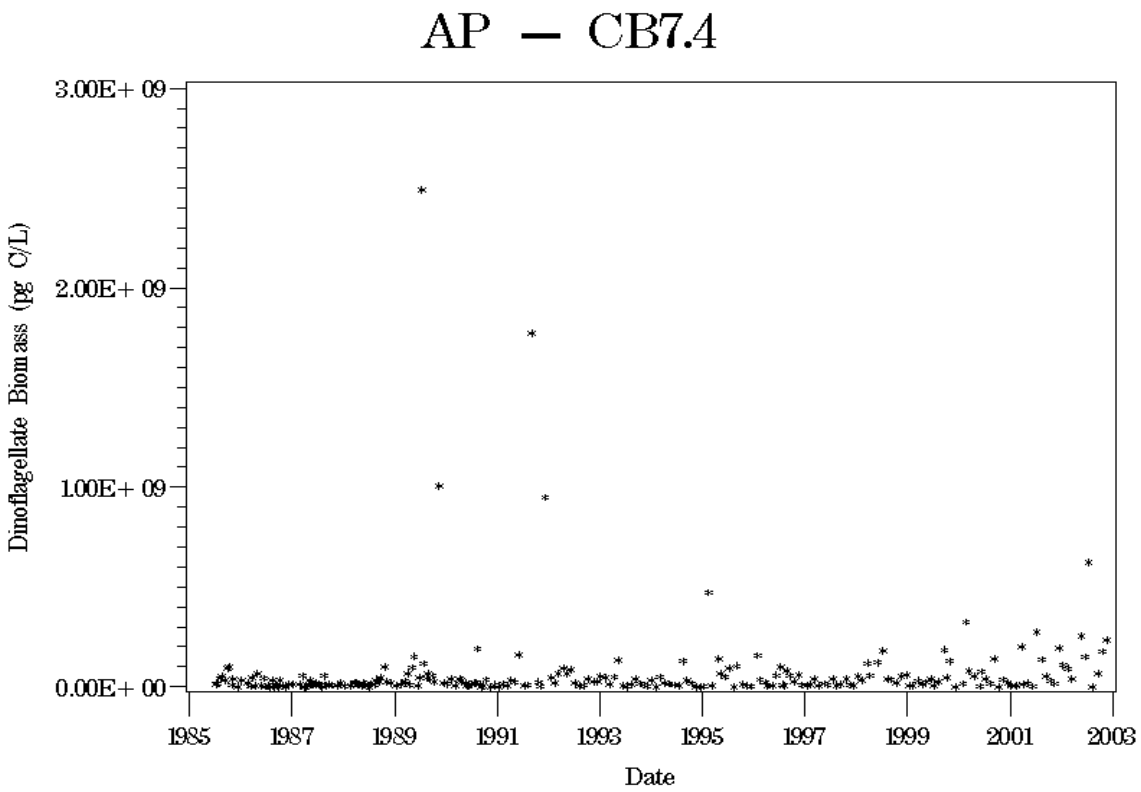

Figure F422. Plot of above pycnocline dinoflagellate biomass against time at station CB7.4 for the period of 1985 through 2002.

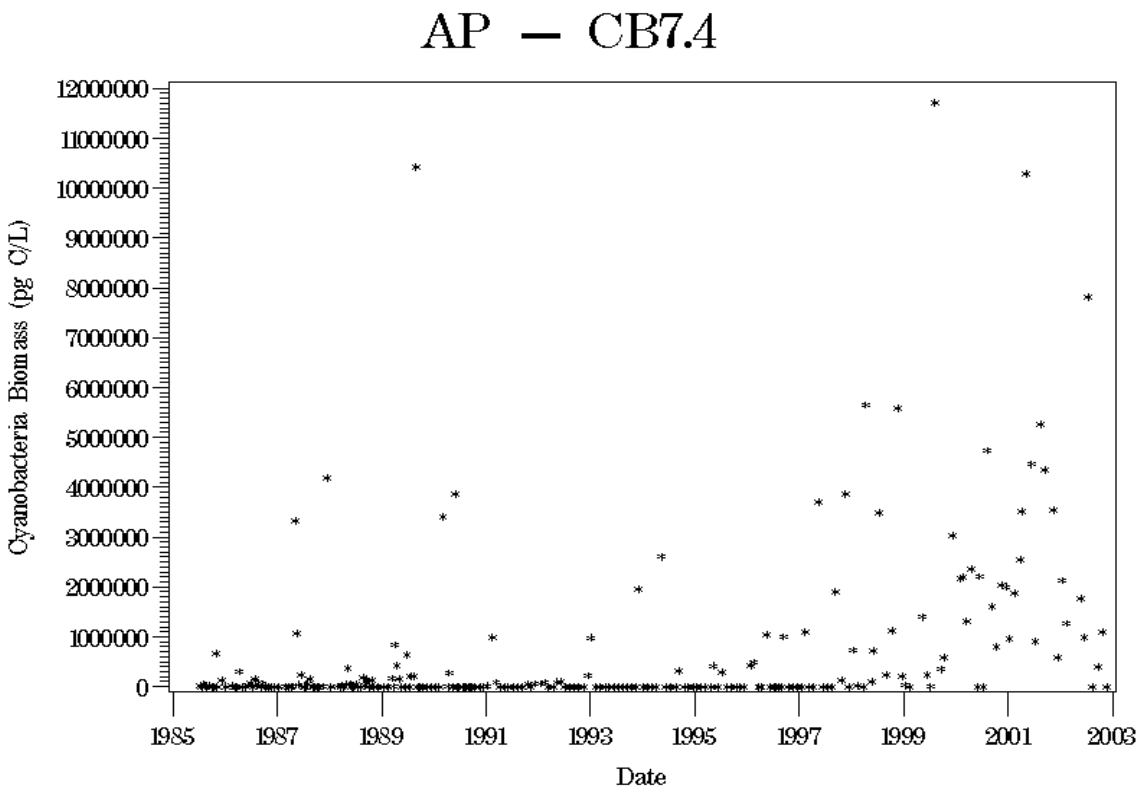

Figure F423. Plot of above pycnocline cyanobacteria biomass against time at station CB7.4 for the period of 1985 through 2002.

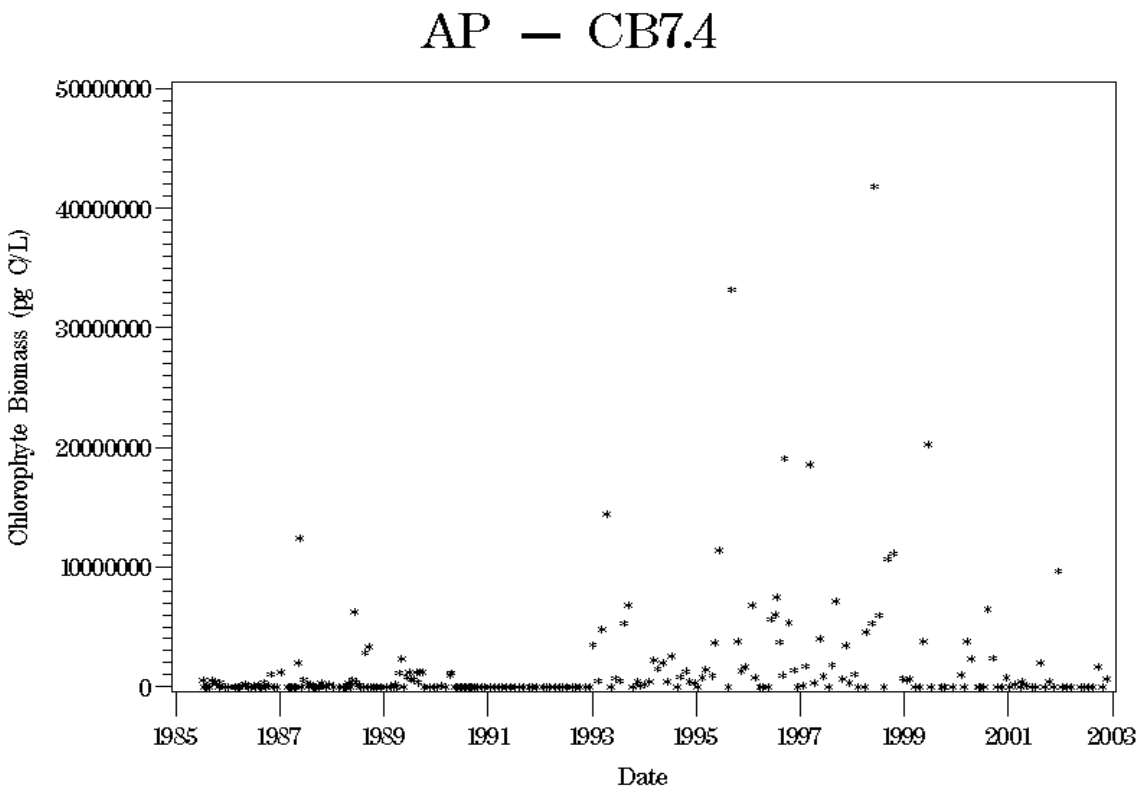

Figure F424. Plot of above pycnocline chlorophyte biomass against time at station CB7.4 for the period of 1985 through 2002.

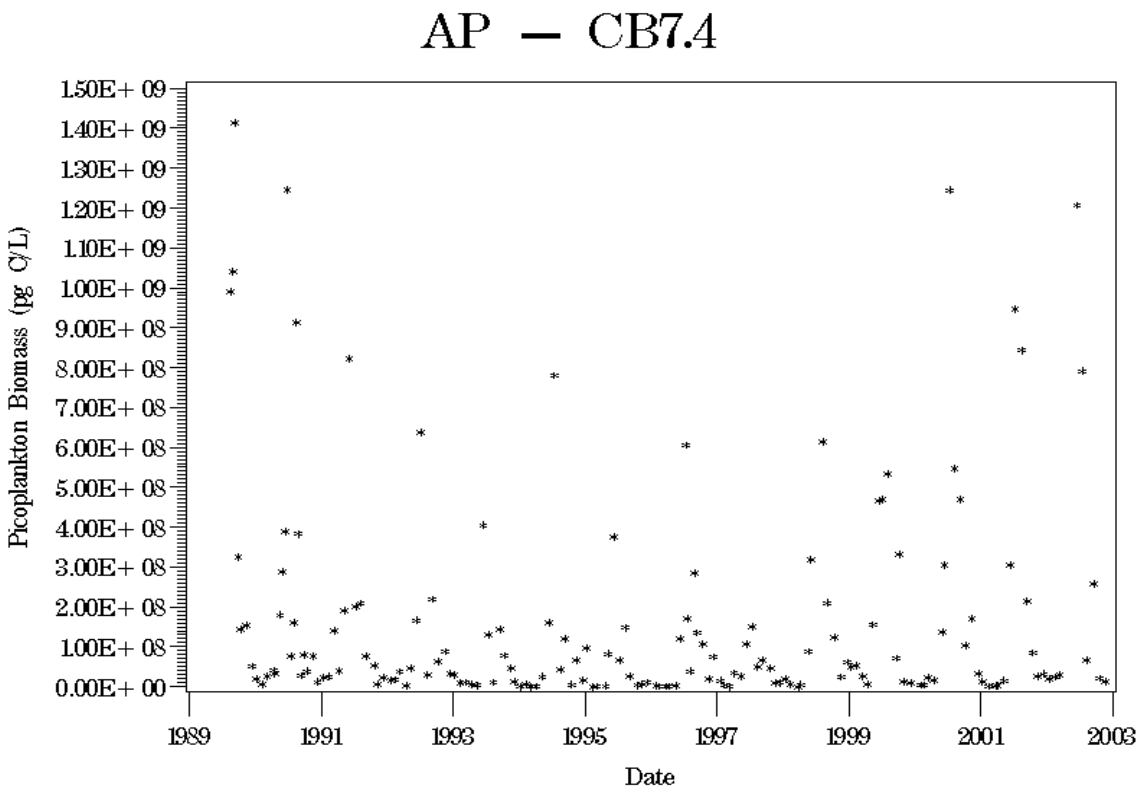

Figure F425. Plot of above pycnocline picoplankton biomass against time at station CB7.4 for the period of 1985 through 2002.

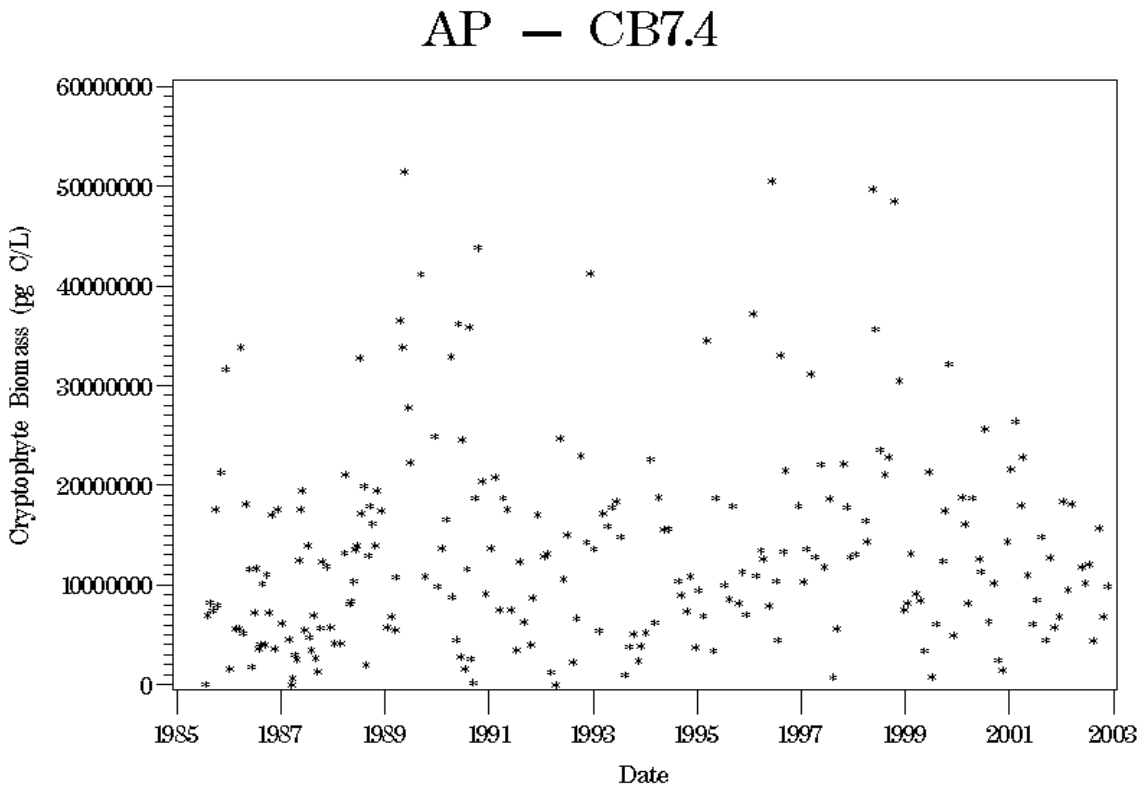

Figure F426. Plot of above pycnocline cryptophyte biomass at station CB7.4 for the period of 1985 through 2002.

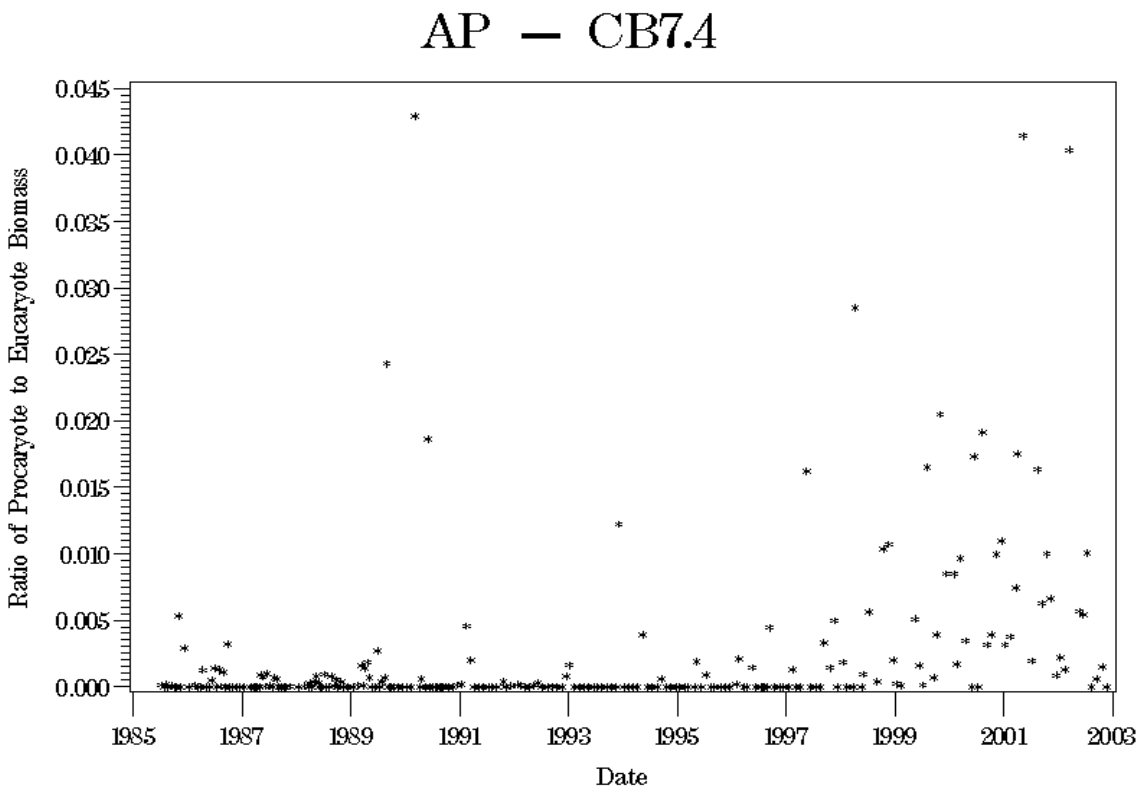

Figure F427. Plot of above pycnocline cyanophyte abundance at station CB7.4 for the period of 1985 through 2002.

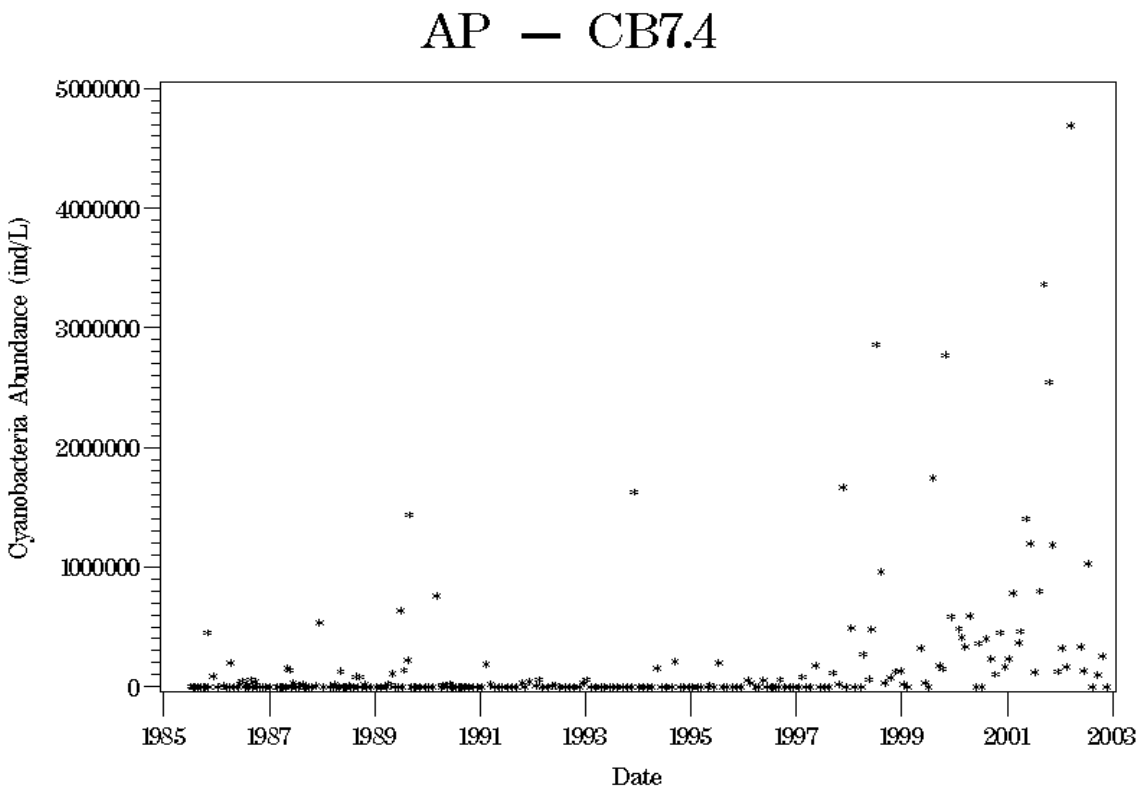

Figure F428. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station CB7.4 for the period of 1985 through 2002.

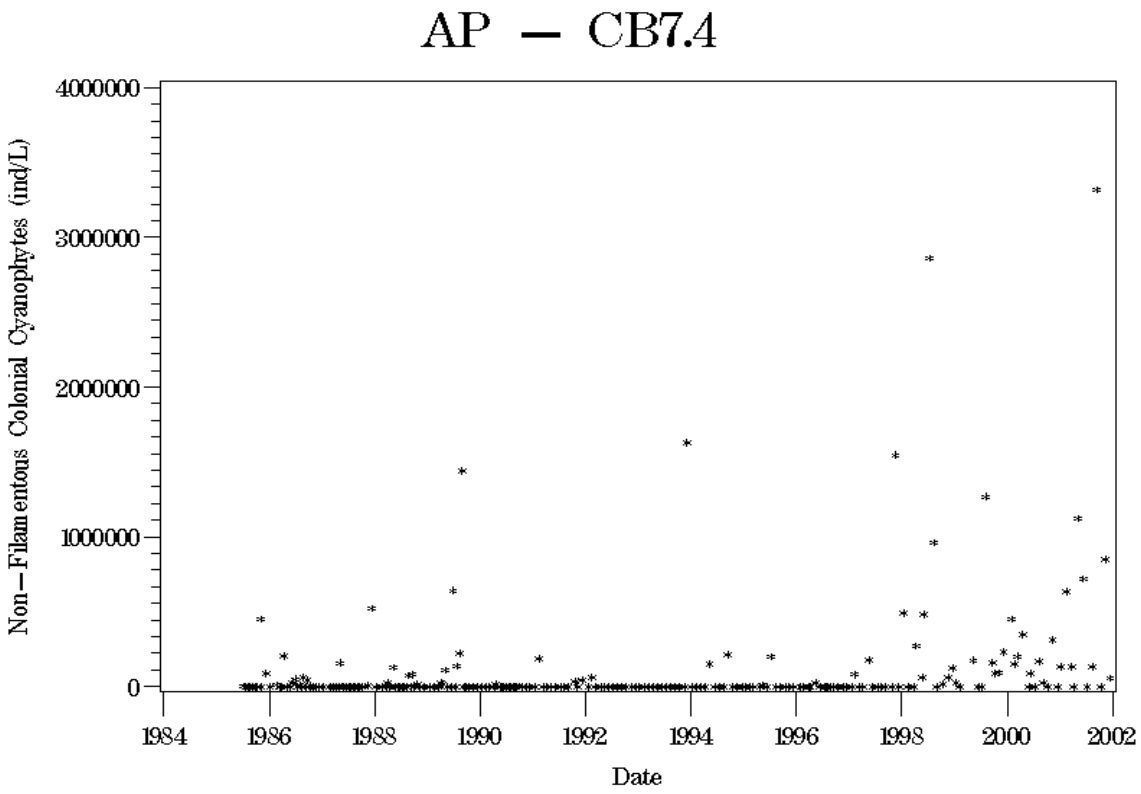

Figure F429. Plot of above pycnocline non-filamentous colonial cyanophyte abundance at station CB7.4 for the period of 1985 through 2002.

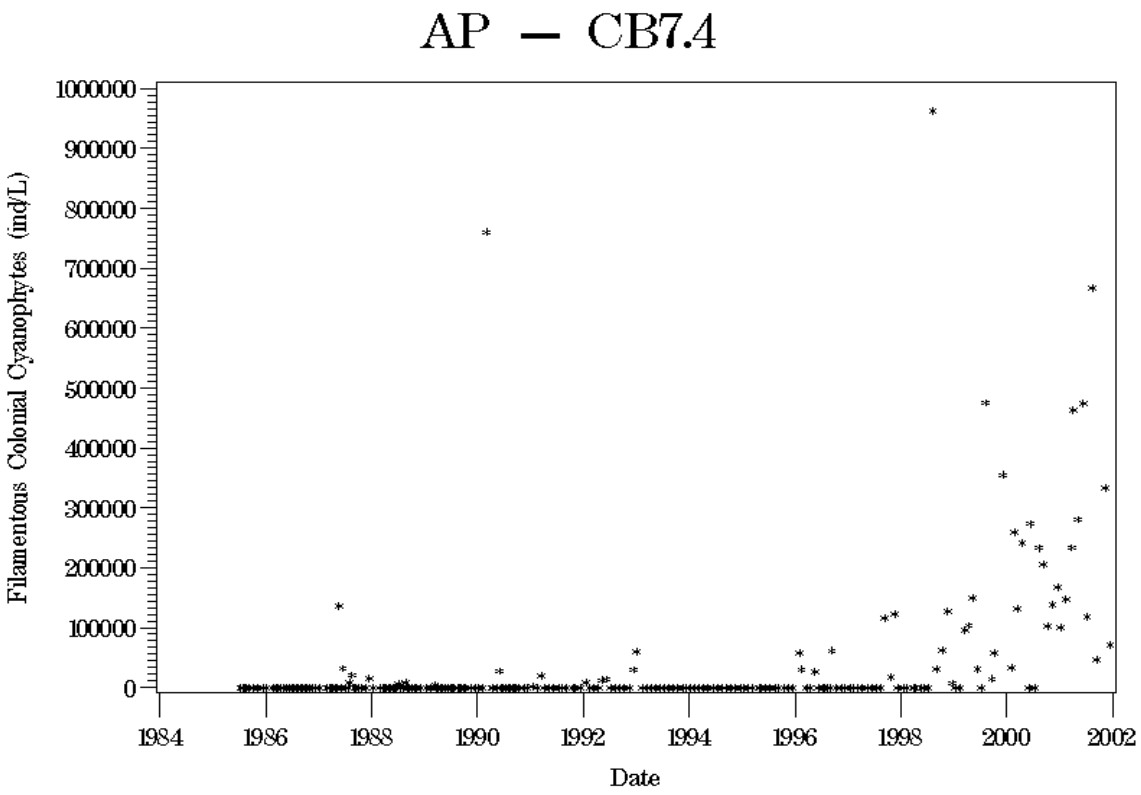

Figure F430. Plot of above pycnocline filamentous colonial cyanophyte abundance at station CB7.4 for the period of 1985 through 2002.

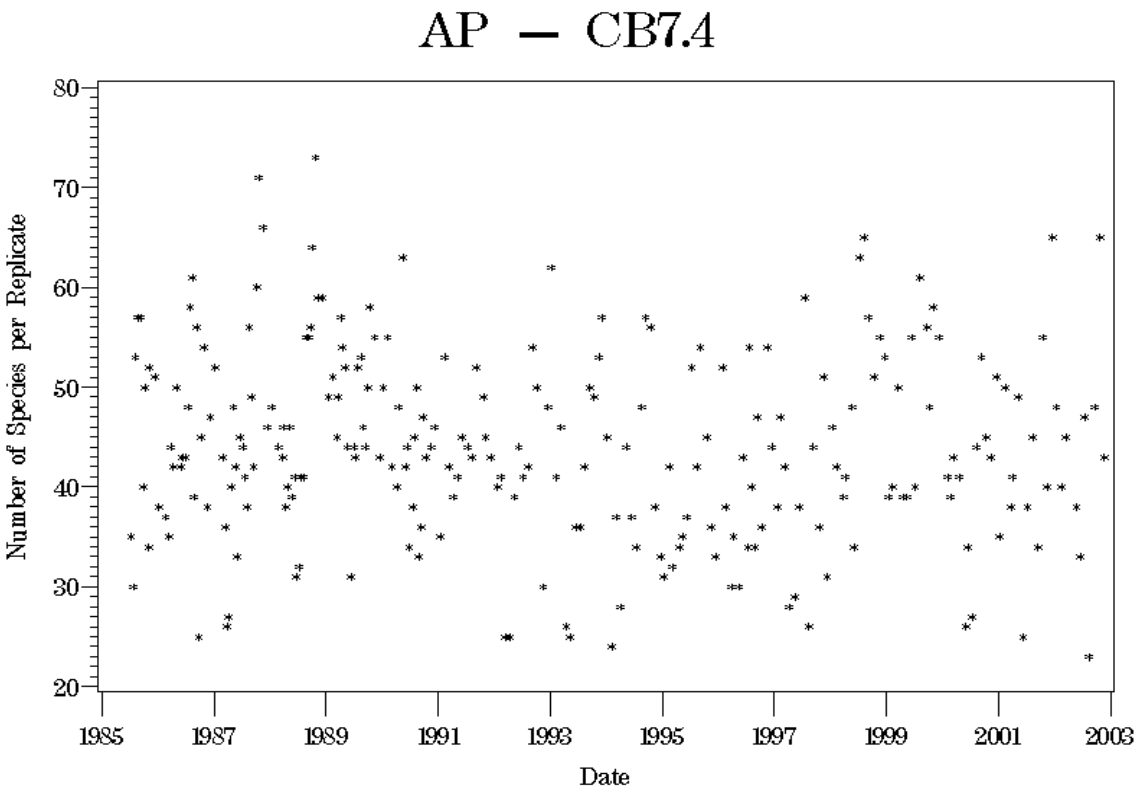

Figure F431. Plot of above pycnocline number of species per replicate at station CB7.4 for the period of 1985 through 2002.

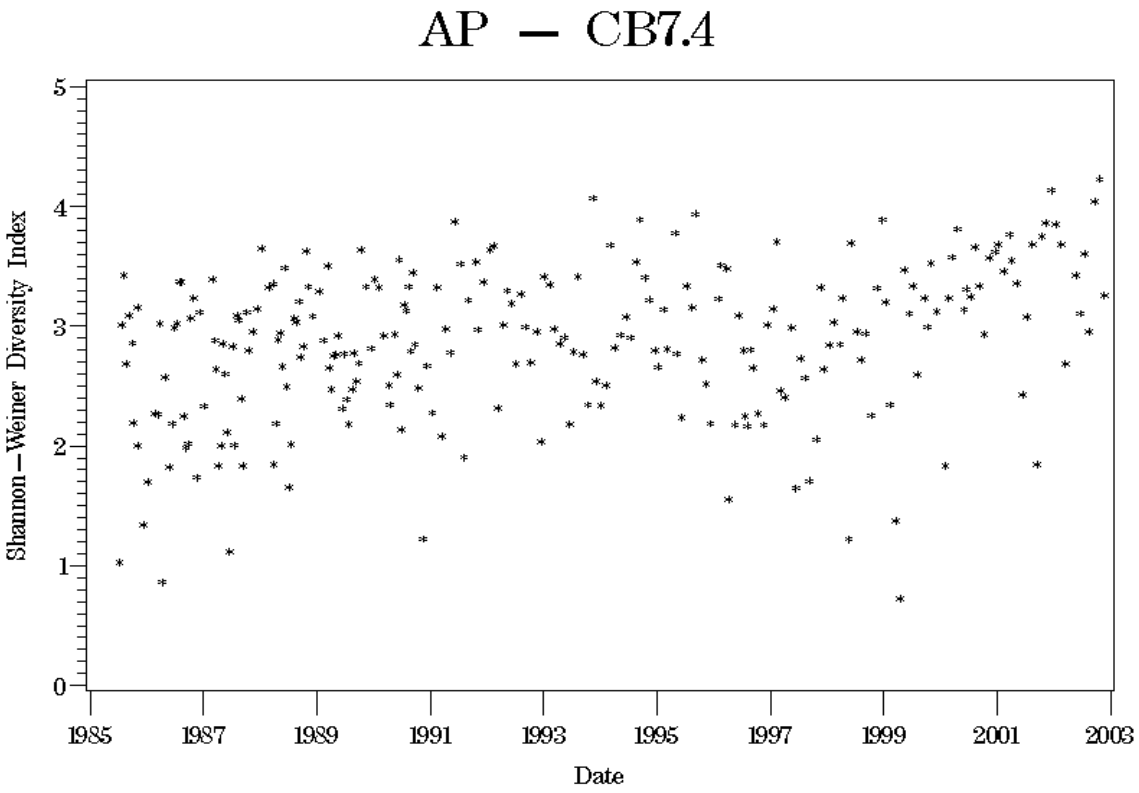

Figure F432. Plot of above pycnocline Shannon-Weiner Diversity index at station CB7.4 for the period of 1985 through 2002.

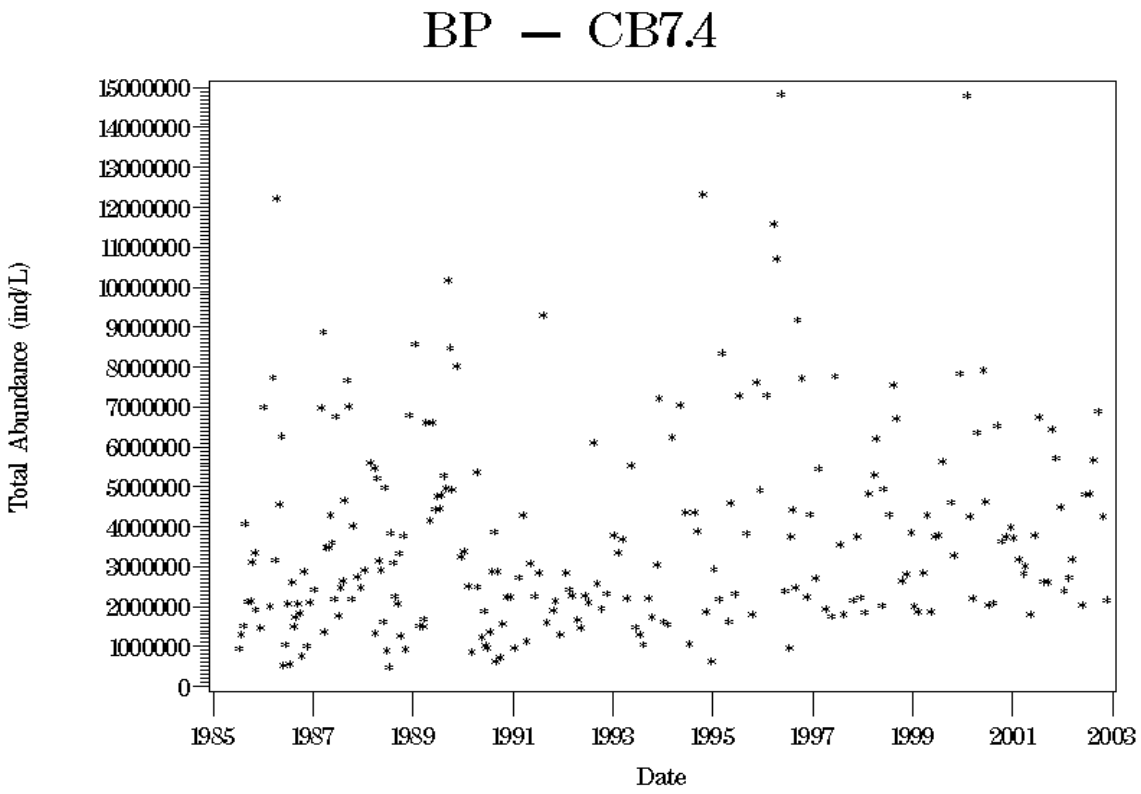

Figure F433. Plot of below pycnocline total phytoplankton abundance against time at station CB7.4 for the period of 1985 through 2002.

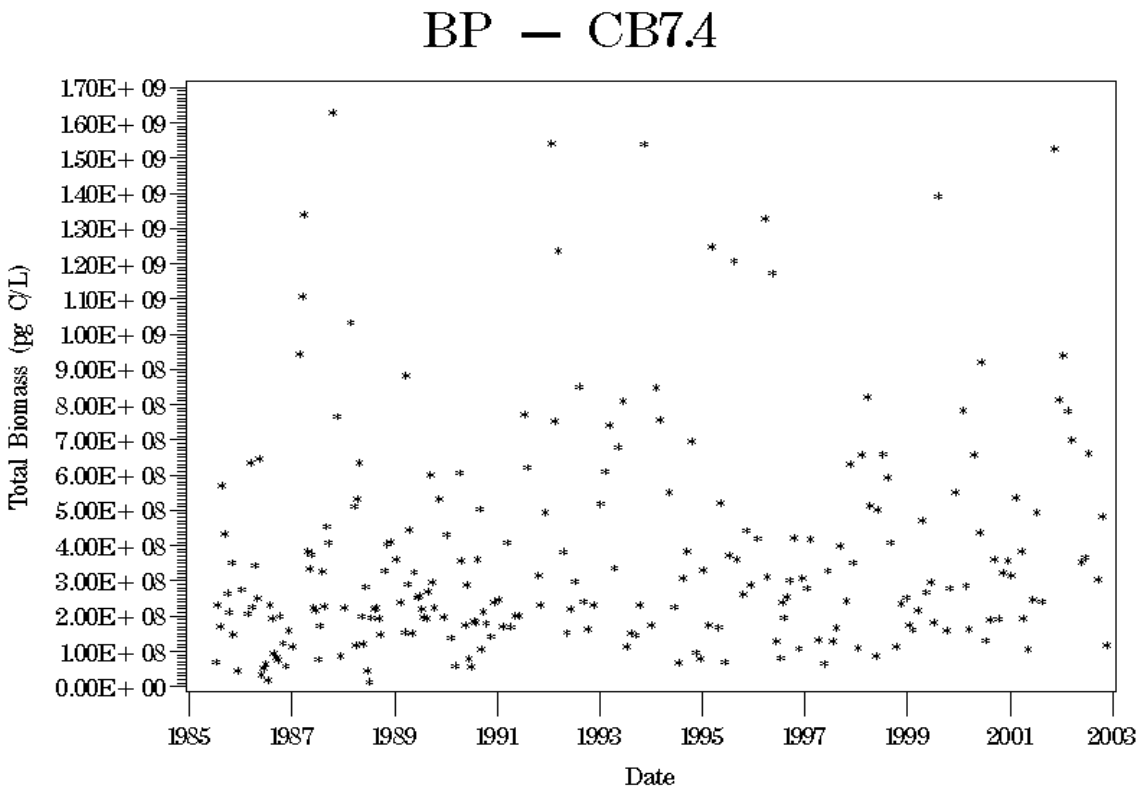

Figure F434. Plot of below pycnocline total phytoplankton biomass against time at station CB7.4 for the period of 1985 through 2002.

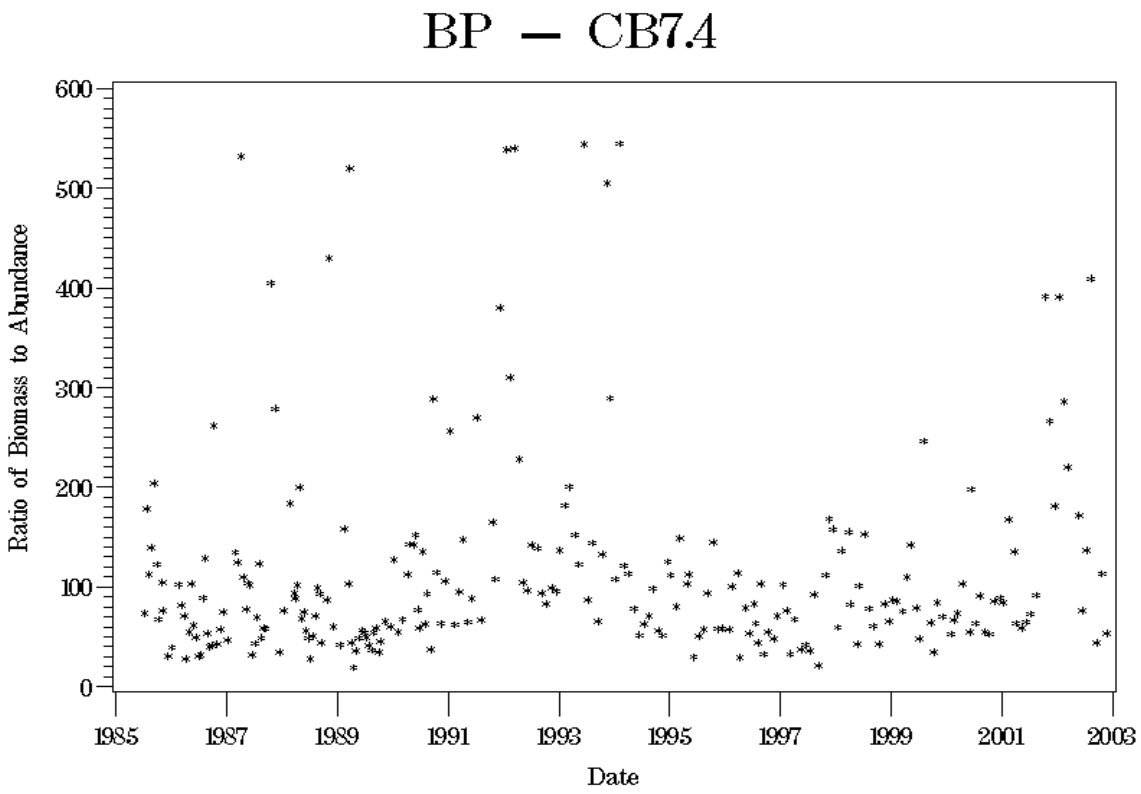

Figure F435. Plot of below pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB7.4 for the period of 1985 through 2002.

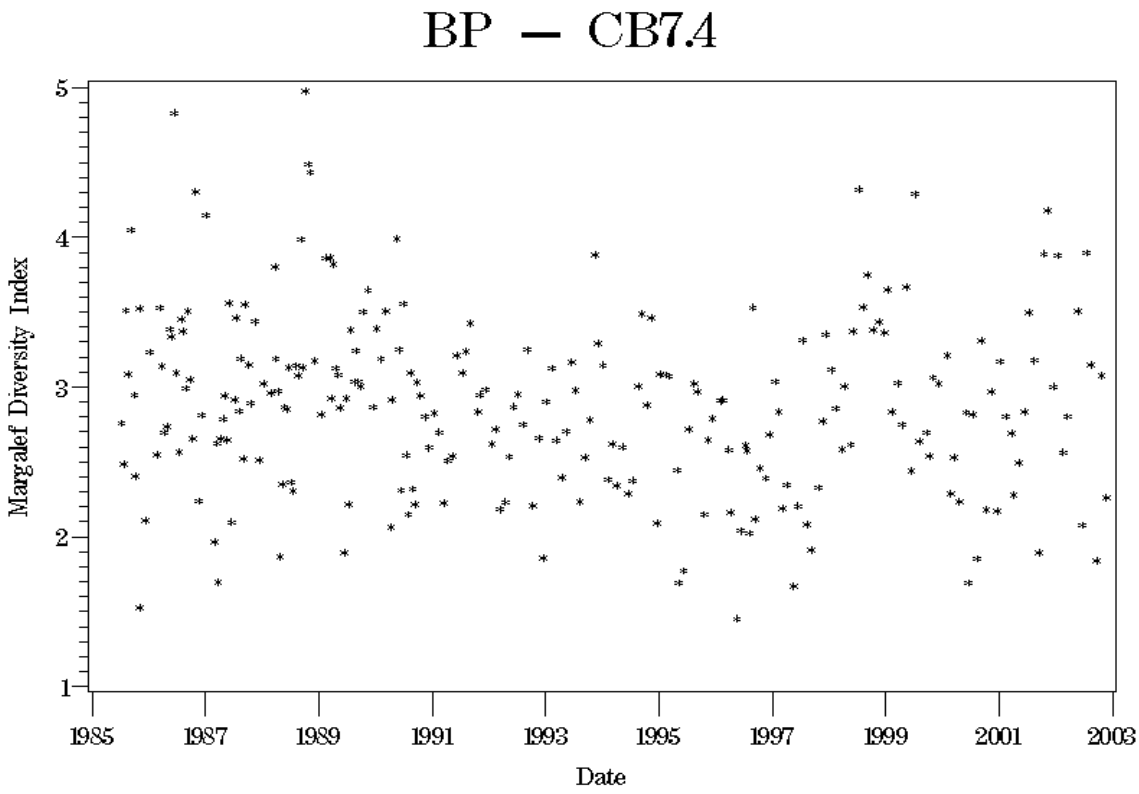

Figure F436. Plot of below pycnocline Margalef diversity index against time at station CB7.4 for the period of 1985 through 2002.

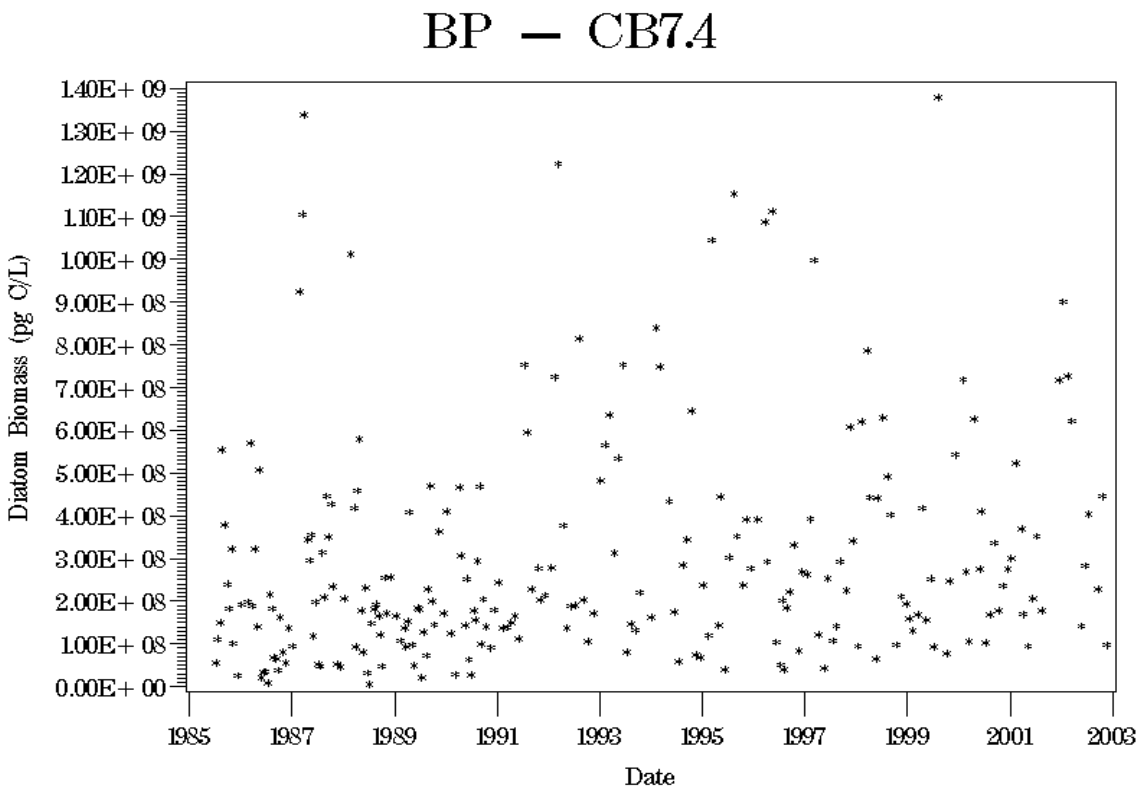

Figure F437. Plot of below pycnocline diatom biomass against time at station CB7.4 for the period of 1985 through 2002.

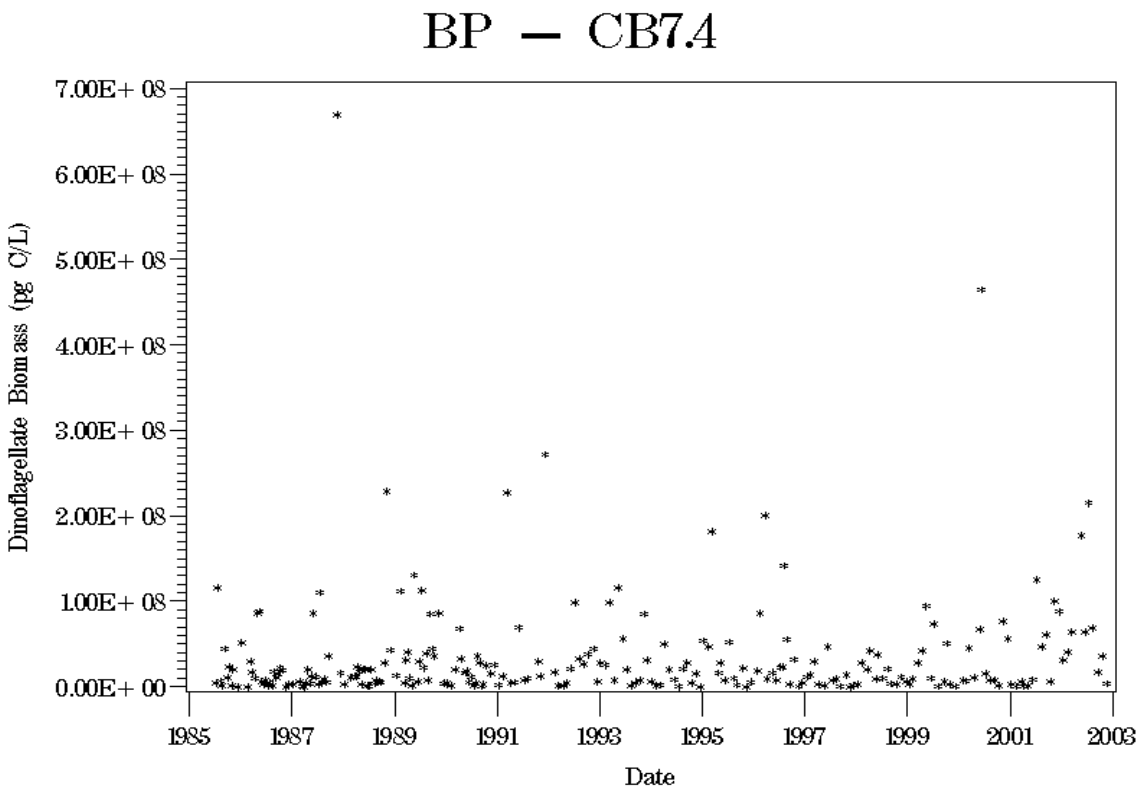

Figure F438. Plot of below pycnocline dinoflagellate biomass against time at station CB7.4 for the period of 1985 through 2002.

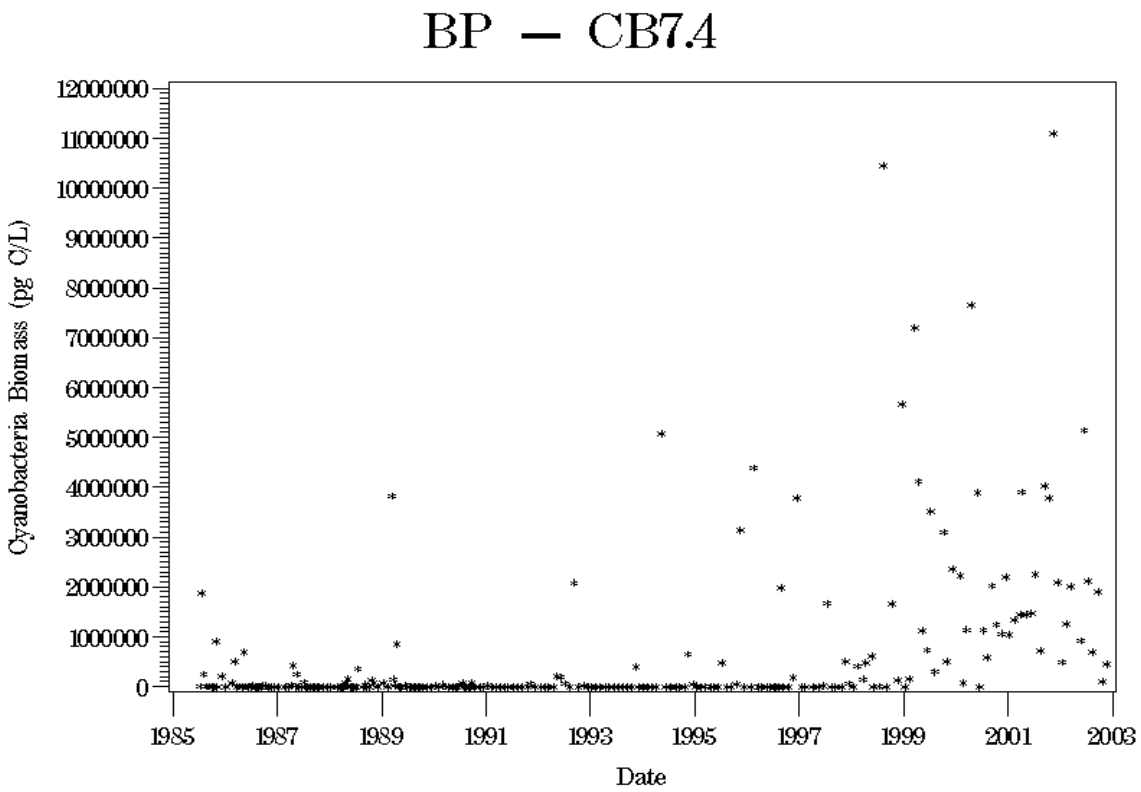

Figure F439. Plot of below pycnocline cyanobacteria biomass against time at station CB7.4 for the period of 1985 through 2002.

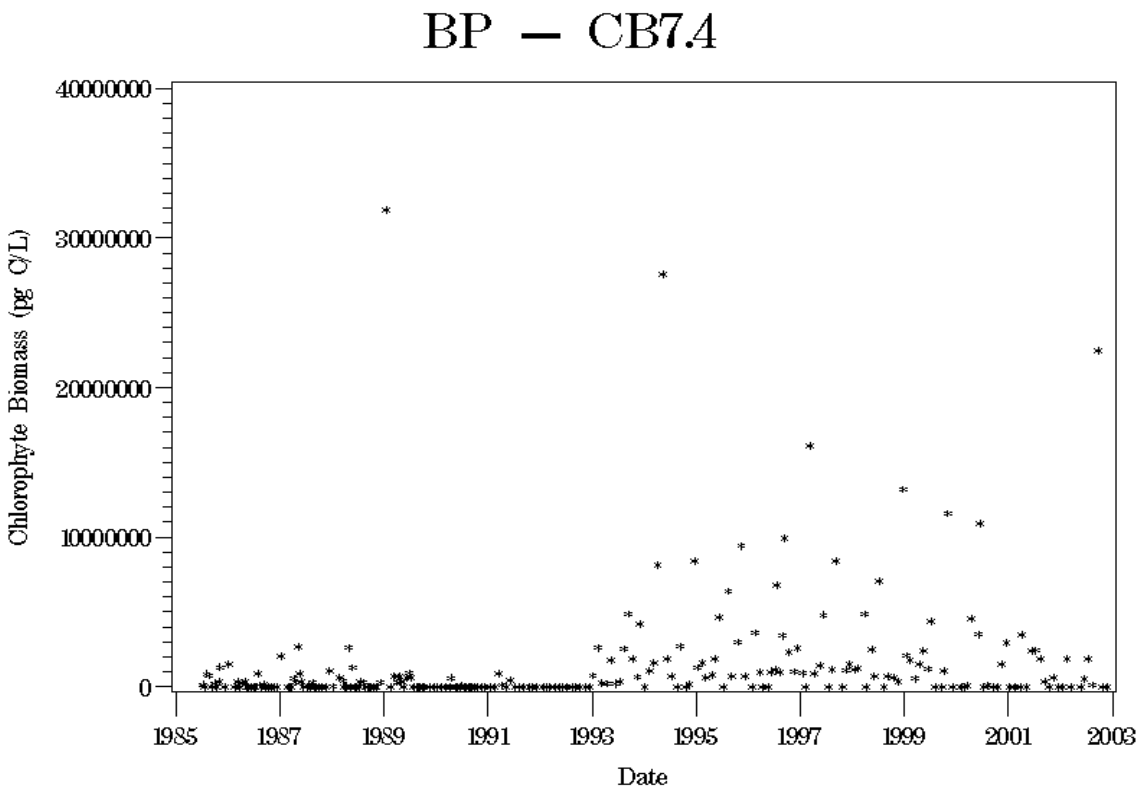

Figure F440. Plot of below pycnocline chlorophyte biomass against time at station CB7.4 for the period of 1985 through 2002.

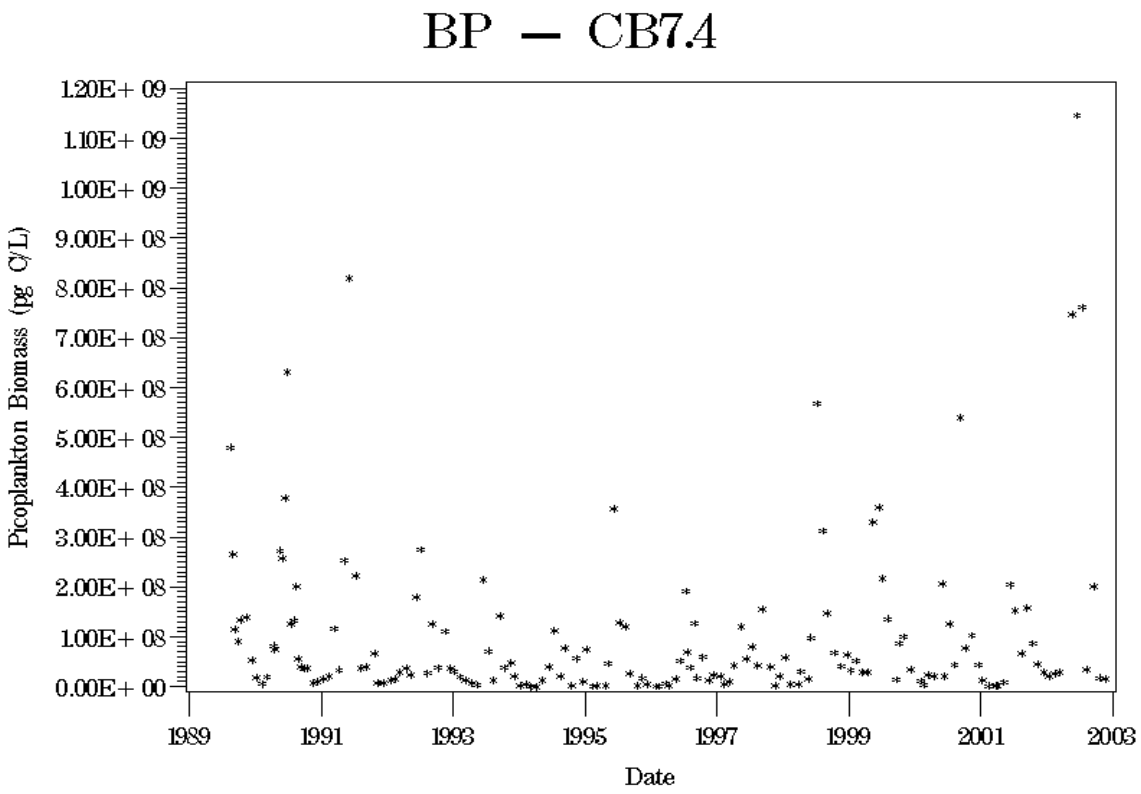

Figure F441. Plot of below pycnocline picoplankton biomass against time at station CB7.4 for the period of 1985 through 2002.

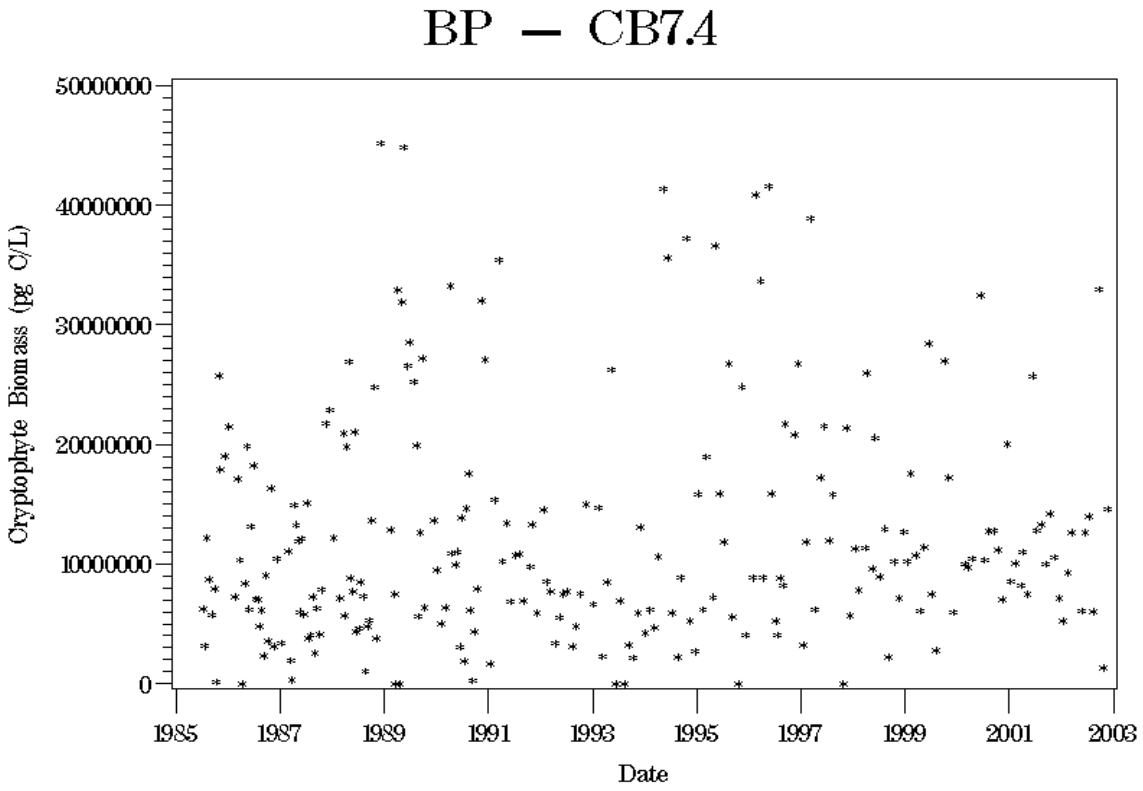

Figure F442. Plot of below pycnocline cryptophyte biomass at station CB7.4 for the period of 1985 through 2002.

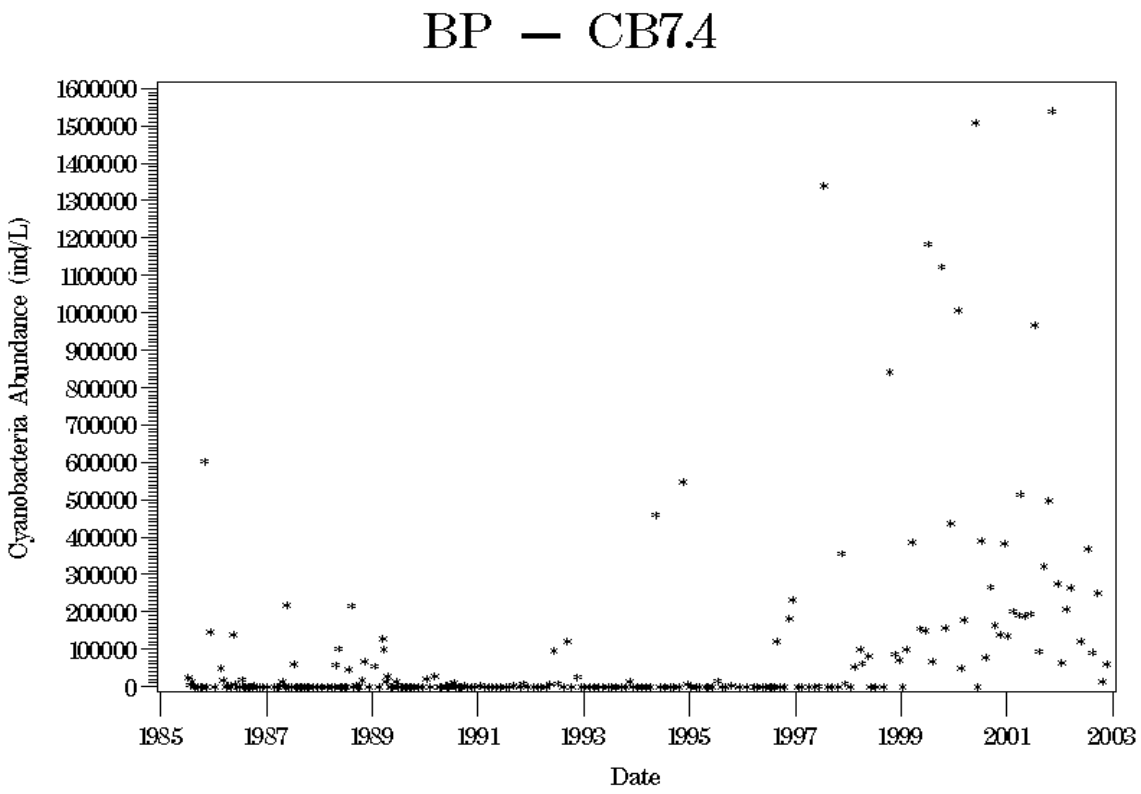

Figure F443. Plot of below pycnocline cyanophyte abundance at station CB7.4 for the period of 1985 through 2002.

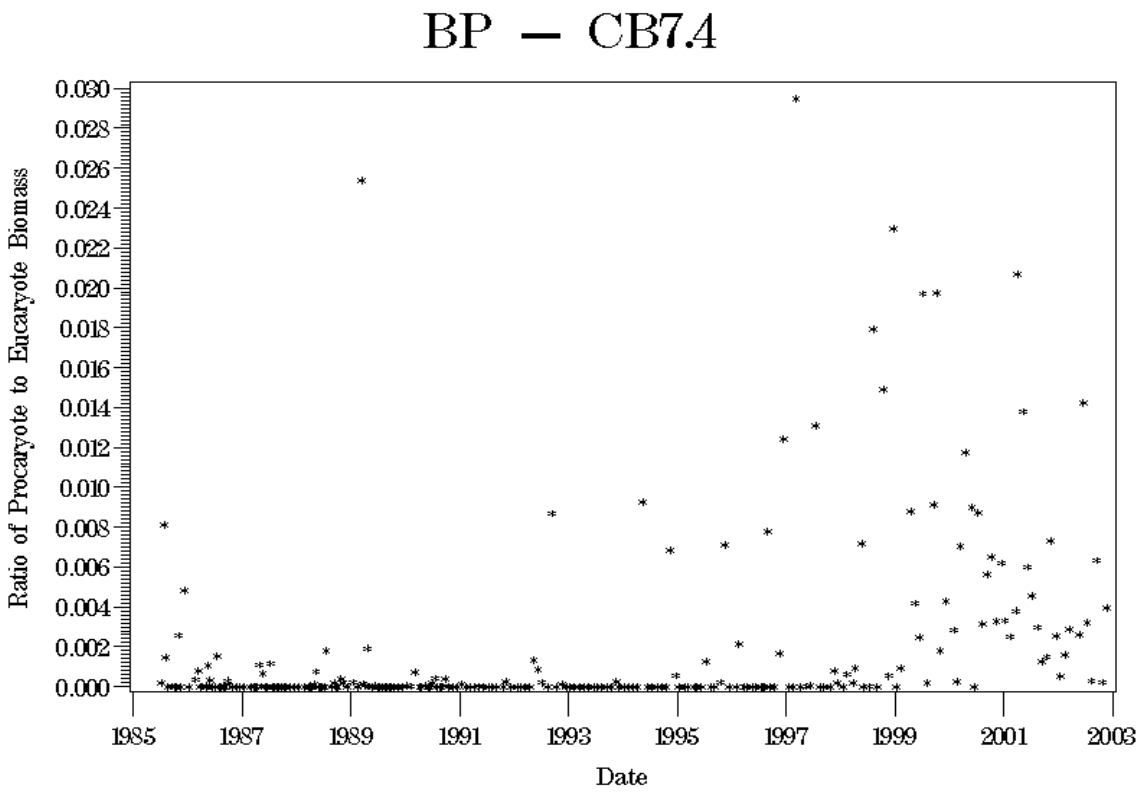

Figure F444. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station CB7.4 for the period of 1985 through 2002.

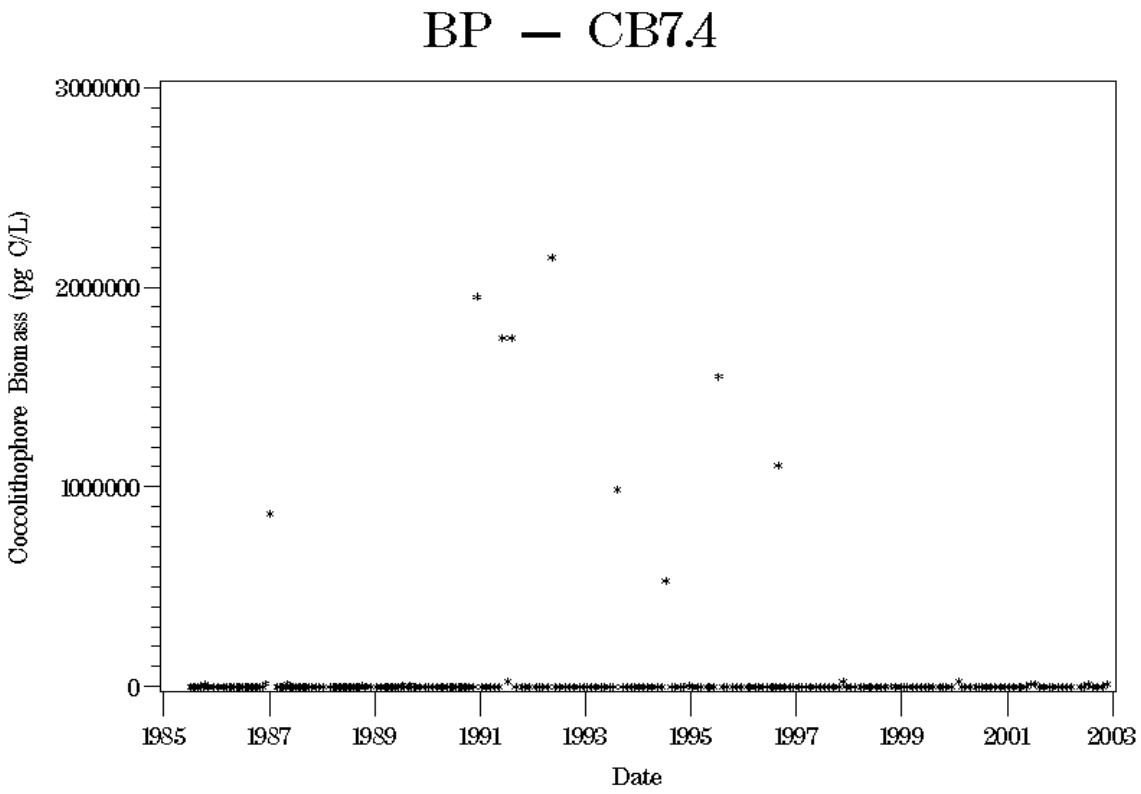

Figure F445. Plot of below pycnocline non-filamentous colonial cyanophyte abundance at station CB7.4 for the period of 1985 through 2002.

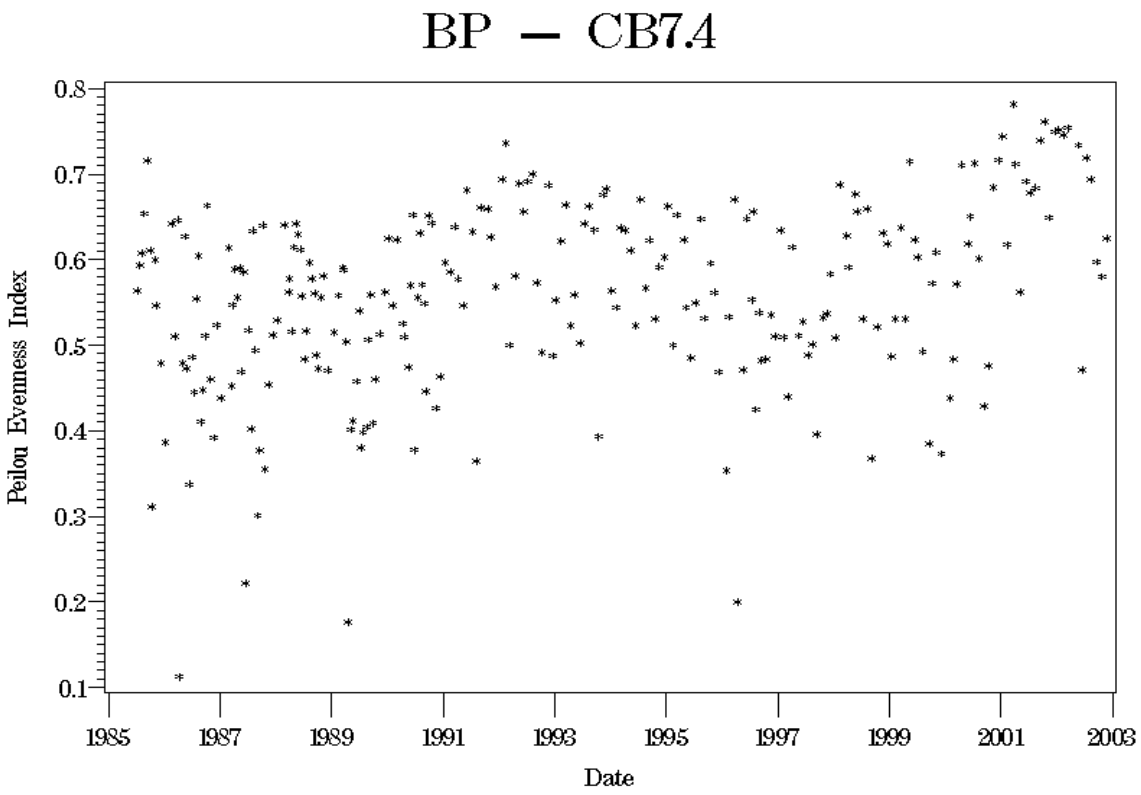

Figure F446. Plot of below pycnocline filamentous colonial cyanophyte abundance at station CB7.4 for the period of 1985 through 2002.

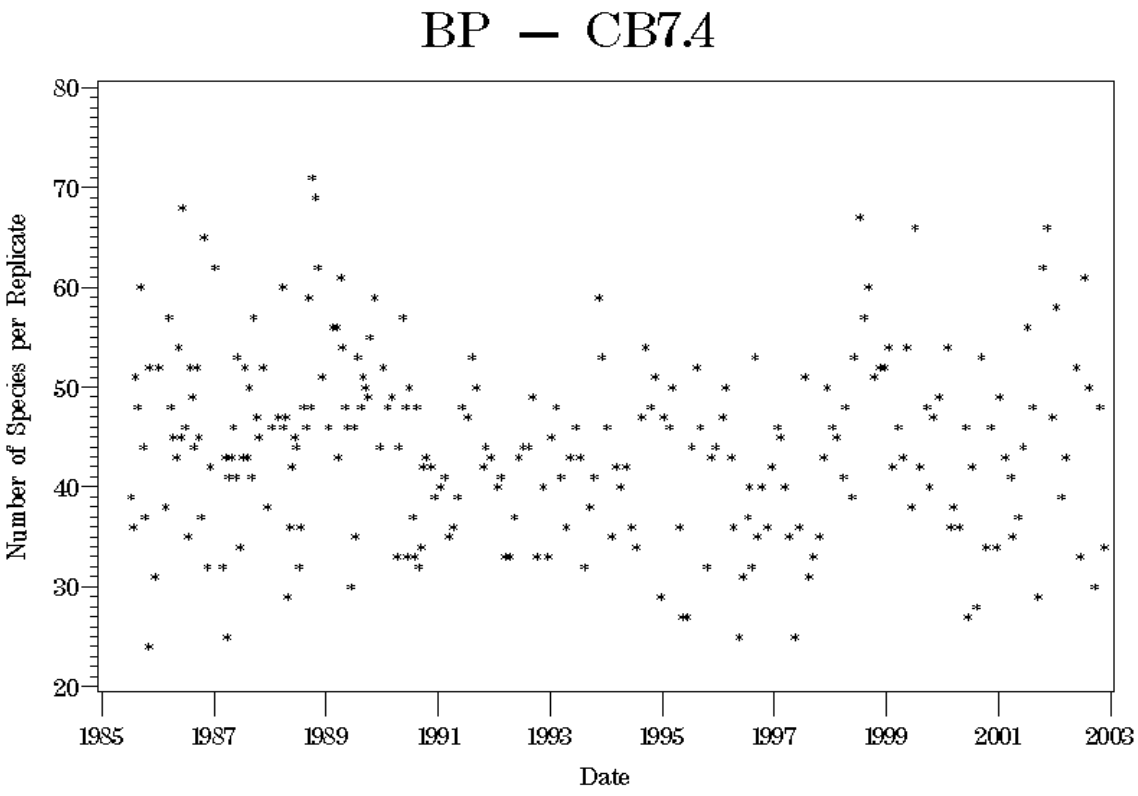

Figure F447. Plot of below pycnocline number of species per replicate at station CB7.4 for the period of 1985 through 2002.

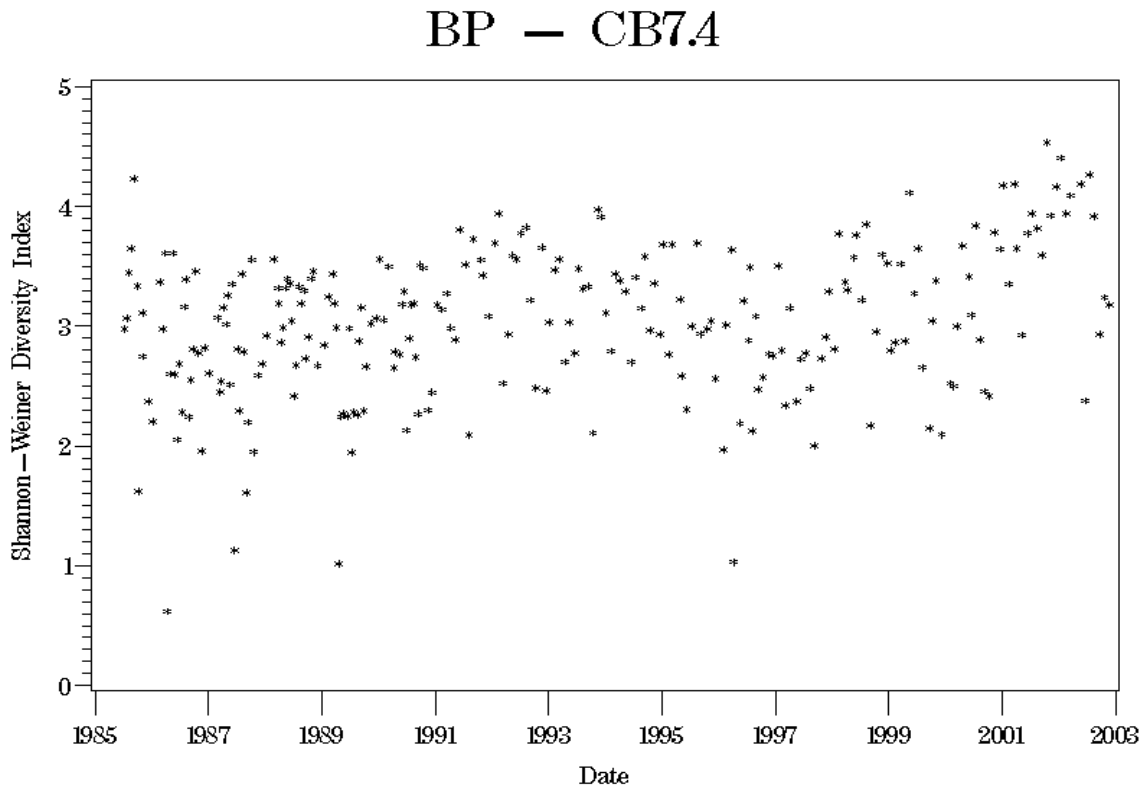

Figure F448. Plot of below pycnocline Shannon-Weiner Diversity index at station CB7.4 for the period of 1985 through 2002.