Appendix D. Status in phytoplankton bioindicators at all stations and for all seasons, for the period of 2001through 2003. Layer abbreviations are: AP=Above Pycnocline, BP=Below Pycnocline. See the method section of the report for definitions of Seasons.

Station	Season	Layer	Parameter	Median	Score	Status
TF5.5	Annual	AP	Total Biomass	3.13E+09	70.56	Good
TF5.5	Annual	AP	Biomass to Abundance Ratio	46.58	24.96	Poor
TF5.5	Annual	AP	Margalef Diversity Index	2.51	80.60	Good
TF5.5	Annual	AP	Diatom Biomass	1.69E+09	67.87	Good
TF5.5	Annual	AP	Dinoflagellate Biomass	2.36E+06	85.64	Poor
TF5.5	Annual	AP	Cyanobacteria Biomass	1.13E+08	70.67	Poor
TF5.5	Annual	AP	Chlorophyte Biomass	8.18E+08	82.69	Good
TF5.5	Annual	AP	Picoplankton Biomass	7.19E+07	70.88	Poor
TF5.5	Annual	AP	Cryptophyte Biomass	3.84E+07	91.87	Good
TF5.5	Annual	AP	Cyanobacteria Abundance	2.46E+07	81.34	Poor
RET5.2	Annual	AP	Total Biomass	1.09E+09	55.26	Fair
RET5.2	Annual	AP	Biomass to Abundance Ratio	40.12	30.55	Poor
RET5.2	Annual	AP	Margalef Diversity Index	1.65	24.37	Poor
RET5.2	Annual	AP	Diatom Biomass	5.17E+08	61.90	Good
RET5.2	Annual	AP	Dinoflagellate Biomass	8.32E+05	62.50	Poor
RET5.2	Annual	AP	Cyanobacteria Biomass	2.08E+07	60.88	Poor
RET5.2	Annual	AP	Chlorophyte Biomass	1.37E+08	75.45	Good
RET5.2	Annual	AP	Picoplankton Biomass	1.19E+08	67.13	Poor
RET5.2	Annual	AP	Cryptophyte Biomass	3.38E+07	85.43	Good
RET5.2	Annual	AP	Cyanobacteria Abundance	3.46E+06	64.19	Poor
LE5.5	Annual	AP	Total Biomass	4.05E+08	34.97	Poor
LE5.5	Annual	AP	Biomass to Abundance Ratio	81.64	30.96	Poor
LE5.5	Annual	AP	Margalef Diversity Index	2.67	62.15	Good
LE5.5	Annual	AP	Diatom Biomass	2.86E+08	56.28	Fair
LE5.5	Annual	AP	Dinoflagellate Biomass	4.60E+07	48.55	Fair
LE5.5	Annual	AP	Cyanobacteria Biomass	1.30E+06	78.49	Poor
LE5.5	Annual	AP	Chlorophyte Biomass	2.05E+04	73.55	Good
LE5.5	Annual	AP	Picoplankton Biomass	3.49E+07	45.35	Fair
LE5.5	Annual	AP	Cryptophyte Biomass	1.60E+07	67.80	Good
LE5.5	Annual	AP	Cyanobacteria Abundance	1.70E+05	80.51	Poor
SBE5	Annual	AP	Total Biomass	2.19E+08	13.67	Poor
SBE5	Annual	AP	Biomass to Abundance Ratio	41.86	16.06	Poor
SBE5	Annual	AP	Margalef Diversity Index	1.94	68.68	Good
SBE5	Annual	AP	Diatom Biomass	1.33E+08	47.21	Fair
SBE5	Annual	AP	Dinoflagellate Biomass	1.46E+07	51.69	Fair
SBE5	Annual	AP	Cyanobacteria Biomass	2.98E+06	54.09	Fair
SBE5	Annual	AP	Chlorophyte Biomass	1.61E+06	83.03	Good
SBE5	Annual	AP	Picoplankton Biomass	1.12E+07	31.86	Good
SBE5	Annual	AP	Cryptophyte Biomass	2.01E+07	98.67	Good
SBE5	Annual	AP	Cyanobacteria Abundance	3.93E+05	55.97	Fair

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF4.2	Annual	AP	Total Biomass	2.81E+08	21.61	Poor
TF4.2	Annual	AP	Biomass to Abundance Ratio	48.57	25.96	Poor
TF4.2	Annual	AP	Margalef Diversity Index	1.57	16.35	Poor
TF4.2	Annual	AP	Diatom Biomass	1.74E+08	36.52	Poor
TF4.2	Annual	AP	Dinoflagellate Biomass	1.84E+05	76.46	Poor
TF4.2	Annual	AP	Cyanobacteria Biomass	3.95E+06	50.17	Fair
TF4.2	Annual	AP	Chlorophyte Biomass	1.68E+07	56.03	Fair
TF4.2	Annual	AP	Picoplankton Biomass	2.85E+07	51.62	Fair
TF4.2	Annual	AP	Cryptophyte Biomass	1.73E+07	90.47	Good
TF4.2	Annual	AP	Cyanobacteria Abundance	5.35E+05	45.56	Fair
RET4.3	Annual	AP	Total Biomass	8.57E+08	37.63	Poor
RET4.3	Annual	AP	Biomass to Abundance Ratio	41.87	16.07	Poor
RET4.3	Annual	AP	Margalef Diversity Index	1.64	41.01	Poor
RET4.3	Annual	AP	Diatom Biomass	5.06E+08	60.00	Good
RET4.3	Annual	AP	Dinoflagellate Biomass	3.67E+07	61.33	Poor
RET4.3	Annual	AP	Cyanobacteria Biomass	1.05E+07	60.62	Poor
RET4.3	Annual	AP	Chlorophyte Biomass	1.47E+07	88.91	Good
RET4.3	Annual	AP	Picoplankton Biomass	3.92E+07	56.63	Poor
RET4.3	Annual	AP	Cryptophyte Biomass	4.89E+07	98.97	Good
RET4.3	Annual	AP	Cyanobacteria Abundance	2.16E+06	69.72	Poor
WE4.2	Annual	AP	Total Biomass	4.77E+08	39.55	Poor
WE4.2	Annual	AP	Biomass to Abundance Ratio	76.11	28.39	Poor
WE4.2	Annual	AP	Margalef Diversity Index	2.34	36.97	Poor
WE4.2	Annual	AP	Diatom Biomass	3.22E+08	59.51	Good
WE4.2	Annual	AP	Dinoflagellate Biomass	5.49E+07	52.32	Fair
WE4.2	Annual	AP	Cyanobacteria Biomass	1.63E+06	79.32	Poor
WE4.2	Annual	AP	Chlorophyte Biomass	7.67E+03	66.36	Good
WE4.2	Annual	AP	Picoplankton Biomass	6.29E+07	56.75	Poor
WE4.2	Annual	AP	Cryptophyte Biomass	1.68E+07	68.13	Good
WE4.2	Annual	AP	Cyanobacteria Abundance	2.23E+05	81.76	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF3.3	Annual	AP	Total Biomass	1.61E+09	63.88	Good
TF3.3	Annual	AP	Biomass to Abundance Ratio	37.74	29.51	Poor
TF3.3	Annual	AP	Margalef Diversity Index	1.84	45.79	Fair
TF3.3	Annual	AP	Diatom Biomass	8.82E+08	67.95	Good
TF3.3	Annual	AP	Dinoflagellate Biomass	2.30E+07	78.76	Poor
TF3.3	Annual	AP	Cyanobacteria Biomass	4.18E+07	65.47	Poor
TF3.3	Annual	AP	Chlorophyte Biomass	1.71E+08	76.56	Good
TF3.3	Annual	AP	Picoplankton Biomass	1.88E+08	75.20	Poor
TF3.3	Annual	AP	Cryptophyte Biomass	4.03E+07	85.77	Good
TF3.3	Annual	AP	Cyanobacteria Abundance	8.23E+06	72.40	Poor
RET3.1	Annual	AP	Total Biomass	1.05E+09	42.40	Fair
RET3.1	Annual	AP	Biomass to Abundance Ratio	42.13	16.18	Poor
RET3.1	Annual	AP	Margalef Diversity Index	1.76	53.35	Fair
RET3.1	Annual	AP	Diatom Biomass	5.13E+08	60.12	Good
RET3.1	Annual	AP	Dinoflagellate Biomass	1.05E+07	48.18	Fair
RET3.1	Annual	AP	Cyanobacteria Biomass	3.36E+07	66.33	Poor
RET3.1	Annual	AP	Chlorophyte Biomass	4.70E+07	91.21	Good
RET3.1	Annual	AP	Picoplankton Biomass	3.39E+08	88.56	Poor
RET3.1	Annual	AP	Cryptophyte Biomass	4.74E+07	98.97	Good
RET3.1	Annual	AP	Cyanobacteria Abundance	5.78E+06	76.48	Poor
LE3.6	Annual	AP	Total Biomass	7.38E+08	31.27	Poor
LE3.6	Annual	AP	Biomass to Abundance Ratio	82.70	33.17	Poor
LE3.6	Annual	AP	Margalef Diversity Index	2.32	88.71	Good
LE3.6	Annual	AP	Diatom Biomass	4.29E+08	58.45	Good
LE3.6	Annual	AP	Dinoflagellate Biomass	1.48E+08	74.55	Poor
LE3.6	Annual	AP	Cyanobacteria Biomass	4.56E+06	55.13	Fair
LE3.6	Annual	AP	Chlorophyte Biomass	2.06E+05	74.46	Good
LE3.6	Annual	AP	Picoplankton Biomass	2.93E+07	51.88	Fair
LE3.6	Annual	AP	Cryptophyte Biomass	2.89E+07	98.73	Good
LE3.6	Annual	AP	Cyanobacteria Abundance	5.98E+05	59.23	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
CB6.1	Annual	AP	Total Biomass	6.33E+08	28.22	Poor
CB6.1	Annual	AP	Biomass to Abundance Ratio	99.28	39.10	Poor
CB6.1	Annual	AP	Margalef Diversity Index	2.45	93.44	Good
CB6.1	Annual	AP	Diatom Biomass	3.33E+08	56.06	Fair
CB6.1	Annual	AP	Dinoflagellate Biomass	7.67E+07	68.77	Poor
CB6.1	Annual	AP	Cyanobacteria Biomass	1.73E+06	51.22	Fair
CB6.1	Annual	AP	Chlorophyte Biomass	2.85E+04	62.17	Good
CB6.1	Annual	AP	Picoplankton Biomass	3.85E+07	56.39	Poor
CB6.1	Annual	AP	Cryptophyte Biomass	1.84E+07	98.63	Good
CB6.1	Annual	AP	Cyanobacteria Abundance	2.56E+05	52.26	Fair
CB6.4	Annual	AP	Total Biomass	6.37E+08	48.47	Fair
CB6.4	Annual	AP	Biomass to Abundance Ratio	91.76	36.30	Poor
CB6.4	Annual	AP	Margalef Diversity Index	2.25	31.45	Poor
CB6.4	Annual	AP	Diatom Biomass	2.86E+08	56.25	Fair
CB6.4	Annual	AP	Dinoflagellate Biomass	1.12E+08	67.76	Poor
CB6.4	Annual	AP	Cyanobacteria Biomass	1.54E+06	79.84	Poor
CB6.4	Annual	AP	Chlorophyte Biomass	5.76E+03	40.87	Poor
CB6.4	Annual	AP	Picoplankton Biomass	2.23E+07	36.39	Good
CB6.4	Annual	AP	Cryptophyte Biomass	1.88E+07	68.54	Good
CB6.4	Annual	AP	Cyanobacteria Abundance	2.34E+05	82.49	Poor
CB7.3E	Annual	AP	Total Biomass	5.09E+08	43.13	Fair
CB7.3E	Annual	AP	Biomass to Abundance Ratio	86.62	33.75	Poor
CB7.3E	Annual	AP	Margalef Diversity Index	2.48	47.57	Fair
CB7.3E	Annual	AP	Diatom Biomass	3.17E+08	58.66	Good
CB7.3E	Annual	AP	Dinoflagellate Biomass	5.85E+07	53.52	Fair
CB7.3E	Annual	AP	Cyanobacteria Biomass	1.35E+06	78.68	Poor
CB7.3E	Annual	AP	Chlorophyte Biomass	7.95E+03	68.22	Good
CB7.3E	Annual	AP	Picoplankton Biomass	2.87E+07	41.30	Good
CB7.3E	Annual	AP	Cryptophyte Biomass	1.92E+07	68.76	Good
CB7.3E	Annual	AP	Cyanobacteria Abundance	2.27E+05	82.00	Poor
CB7.4	Annual	AP	Total Biomass	6.57E+08	52.61	Fair
CB7.4	Annual	AP	Biomass to Abundance Ratio	97.16	39.48	Poor
CB7.4	Annual	AP	Margalef Diversity Index	2.45	45.41	Fair
CB7.4	Annual	AP	Diatom Biomass	4.58E+08	66.61	Good
CB7.4	Annual	AP	Dinoflagellate Biomass	7.89E+07	59.57	Poor
CB7.4	Annual	AP	Cyanobacteria Biomass	2.16E+06	80.67	Poor
CB7.4	Annual	AP	Chlorophyte Biomass	1.46E+03	57.44	Good
CB7.4	Annual	AP	Picoplankton Biomass	3.08E+07	42.72	Good
CB7.4	Annual	AP	Cryptophyte Biomass	1.48E+07	67.39	Good
CB7.4	Annual	AP	Cyanobacteria Abundance	3.67E+05	84.27	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF5.5	Fall	AP	Total Biomass	2.28E+09	80.86	Good
TF5.5	Fall	AP	Biomass to Abundance Ratio	39.90	27.50	Poor
TF5.5	Fall	AP	Margalef Diversity Index	2.85	95.84	Good
TF5.5	Fall	AP	Diatom Biomass	1.40E+09	72.55	Good
TF5.5	Fall	AP	Dinoflagellate Biomass	2.25E+06	95.87	Poor
TF5.5	Fall	AP	Cyanobacteria Biomass	3.27E+08	81.61	Poor
TF5.5	Fall	AP	Chlorophyte Biomass	9.35E+08	85.31	Good
TF5.5	Fall	AP	Picoplankton Biomass	4.82E+07	69.50	Poor
TF5.5	Fall	AP	Cryptophyte Biomass	6.59E+06	88.78	Good
TF5.5	Fall	AP	Cyanobacteria Abundance	9.33E+07	91.22	Poor
RET5.2	Fall	AP	Total Biomass	2.68E+08	36.62	Poor
RET5.2	Fall	AP	Biomass to Abundance Ratio	51.44	49.55	Fair
RET5.2	Fall	AP	Margalef Diversity Index	1.57	27.82	Poor
RET5.2	Fall	AP	Diatom Biomass	1.45E+08	53.04	Fair
RET5.2	Fall	AP	Dinoflagellate Biomass	6.78E+06	78.21	Poor
RET5.2	Fall	AP	Cyanobacteria Biomass	3.75E+06	64.71	Poor
RET5.2	Fall	AP	Chlorophyte Biomass	4.32E+06	52.65	Fair
RET5.2	Fall	AP	Picoplankton Biomass	7.58E+07	64.43	Poor
RET5.2	Fall	AP	Cryptophyte Biomass	1.47E+07	79.37	Good
RET5.2	Fall	AP	Cyanobacteria Abundance	4.93E+05	51.42	Fair
LE5.5	Fall	AP	Total Biomass	2.39E+08	40.98	Poor
LE5.5	Fall	AP	Biomass to Abundance Ratio	64.19	34.87	Poor
LE5.5	Fall	AP	Margalef Diversity Index	2.87	65.49	Good
LE5.5	Fall	AP	Diatom Biomass	1.92E+08	65.37	Good
LE5.5	Fall	AP	Dinoflagellate Biomass	9.62E+06	28.69	Good
LE5.5	Fall	AP	Cyanobacteria Biomass	4.32E+05	86.96	Poor
LE5.5	Fall	AP	Chlorophyte Biomass	0.00E+00	23.50	Poor
LE5.5	Fall	AP	Picoplankton Biomass	2.72E+07	51.31	Fair
LE5.5	Fall	AP	Cryptophyte Biomass	1.24E+07	66.05	Good
LE5.5	Fall	AP	Cyanobacteria Abundance	5.68E+04	84.80	Poor
SBE5	Fall	AP	Total Biomass	1.62E+08	22.03	Poor
SBE5	Fall	AP	Biomass to Abundance Ratio	46.90	27.87	Poor
SBE5	Fall	AP	Margalef Diversity Index	2.02	87.81	Good
SBE5	Fall	AP	Diatom Biomass	1.28E+08	58.37	Good
SBE5	Fall	AP	Dinoflagellate Biomass	4.05E+06	52.16	Fair
SBE5	Fall	AP	Cyanobacteria Biomass	9.52E+05	62.91	Poor
SBE5	Fall	AP	Chlorophyte Biomass	2.84E+05	83.02	Good
SBE5	Fall	AP	Picoplankton Biomass	7.69E+06	12.69	Good
SBE5	Fall	AP	Cryptophyte Biomass	2.26E+07	98.95	Good
SBE5	Fall	AP	Cyanobacteria Abundance	1.31E+05	61.69	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF4.2	Fall	AP	Total Biomass	2.32E+08	31.48	Poor
TF4.2	Fall	AP	Biomass to Abundance Ratio	46.12	31.42	Poor
TF4.2	Fall	AP	Margalef Diversity Index	1.65	33.98	Poor
TF4.2	Fall	AP	Diatom Biomass	1.89E+08	56.17	Fair
TF4.2	Fall	AP	Dinoflagellate Biomass	0.00E+00	25.88	Good
TF4.2	Fall	AP	Cyanobacteria Biomass	3.54E+06	58.61	Fair
TF4.2	Fall	AP	Chlorophyte Biomass	1.04E+07	61.11	Good
TF4.2	Fall	AP	Picoplankton Biomass	2.26E+07	45.73	Fair
TF4.2	Fall	AP	Cryptophyte Biomass	1.98E+07	90.99	Good
TF4.2	Fall	AP	Cyanobacteria Abundance	4.56E+05	52.14	Fair
RET4.3	Fall	AP	Total Biomass	1.55E+09	70.53	Good
RET4.3	Fall	AP	Biomass to Abundance Ratio	45.65	27.20	Poor
RET4.3	Fall	AP	Margalef Diversity Index	1.76	70.16	Good
RET4.3	Fall	AP	Diatom Biomass	9.42E+08	72.06	Good
RET4.3	Fall	AP	Dinoflagellate Biomass	6.70E+07	74.01	Poor
RET4.3	Fall	AP	Cyanobacteria Biomass	9.67E+06	72.81	Poor
RET4.3	Fall	AP	Chlorophyte Biomass	1.02E+07	91.81	Good
RET4.3	Fall	AP	Picoplankton Biomass	3.53E+07	49.02	Fair
RET4.3	Fall	AP	Cryptophyte Biomass	8.60E+07	99.30	Good
RET4.3	Fall	AP	Cyanobacteria Abundance	2.69E+06	80.05	Poor
WE4.2	Fall	AP	Total Biomass	2.30E+08	39.40	Poor
WE4.2	Fall	AP	Biomass to Abundance Ratio	61.37	32.89	Poor
WE4.2	Fall	AP	Margalef Diversity Index	2.36	32.91	Poor
WE4.2	Fall	AP	Diatom Biomass	1.87E+08	64.55	Good
WE4.2	Fall	AP	Dinoflagellate Biomass	3.85E+07	52.31	Fair
WE4.2	Fall	AP	Cyanobacteria Biomass	1.28E+06	90.00	Poor
WE4.2	Fall	AP	Chlorophyte Biomass	0.00E+00	23.50	Poor
WE4.2	Fall	AP	Picoplankton Biomass	5.20E+07	67.78	Poor
WE4.2	Fall	AP	Cryptophyte Biomass	2.17E+07	69.02	Good
WE4.2	Fall	AP	Cyanobacteria Abundance	1.68E+05	88.84	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF3.3	Fall	AP	Total Biomass	8.76E+08	64.34	Good
TF3.3	Fall	AP	Biomass to Abundance Ratio	40.12	39.95	Poor
TF3.3	Fall	AP	Margalef Diversity Index	1.80	46.16	Fair
TF3.3	Fall	AP	Diatom Biomass	6.68E+08	71.11	Good
TF3.3	Fall	AP	Dinoflagellate Biomass	8.51E+07	86.39	Poor
TF3.3	Fall	AP	Cyanobacteria Biomass	1.90E+07	73.56	Poor
TF3.3	Fall	AP	Chlorophyte Biomass	9.15E+07	74.18	Good
TF3.3	Fall	AP	Picoplankton Biomass	1.70E+08	83.81	Poor
TF3.3	Fall	AP	Cryptophyte Biomass	3.21E+07	81.90	Good
TF3.3	Fall	AP	Cyanobacteria Abundance	5.87E+06	74.30	Poor
RET3.1	Fall	AP	Total Biomass	7.22E+08	53.74	Fair
RET3.1	Fall	AP	Biomass to Abundance Ratio	48.42	28.66	Poor
RET3.1	Fall	AP	Margalef Diversity Index	1.68	62.36	Good
RET3.1	Fall	AP	Diatom Biomass	5.37E+08	68.24	Good
RET3.1	Fall	AP	Dinoflagellate Biomass	3.16E+06	43.40	Fair
RET3.1	Fall	AP	Cyanobacteria Biomass	1.47E+07	74.39	Poor
RET3.1	Fall	AP	Chlorophyte Biomass	1.38E+07	92.27	Good
RET3.1	Fall	AP	Picoplankton Biomass	2.48E+08	90.02	Poor
RET3.1	Fall	AP	Cryptophyte Biomass	3.82E+07	99.11	Good
RET3.1	Fall	AP	Cyanobacteria Abundance	1.57E+06	77.33	Poor
LE3.6	Fall	AP	Total Biomass	5.67E+08	47.36	Fair
LE3.6	Fall	AP	Biomass to Abundance Ratio	67.96	35.95	Poor
LE3.6	Fall	AP	Margalef Diversity Index	2.23	94.75	Good
LE3.6	Fall	AP	Diatom Biomass	2.75E+08	64.38	Good
LE3.6	Fall	AP	Dinoflagellate Biomass	1.10E+08	76.48	Poor
LE3.6	Fall	AP	Cyanobacteria Biomass	1.73E+06	65.85	Poor
LE3.6	Fall	AP	Chlorophyte Biomass	4.30E+05	82.64	Good
LE3.6	Fall	AP	Picoplankton Biomass	2.70E+07	42.04	Fair
LE3.6	Fall	AP	Cryptophyte Biomass	3.29E+07	99.06	Good
LE3.6	Fall	AP	Cyanobacteria Abundance	3.27E+05	66.75	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
CB6.1	Fall	AP	Total Biomass	8.86E+08	50.76	Fair
CB6.1	Fall	AP	Biomass to Abundance Ratio	90.02	42.65	Fair
CB6.1	Fall	AP	Margalef Diversity Index	2.04	93.12	Good
CB6.1	Fall	AP	Diatom Biomass	7.68E+08	68.18	Good
CB6.1	Fall	AP	Dinoflagellate Biomass	7.29E+07	74.42	Poor
CB6.1	Fall	AP	Cyanobacteria Biomass	1.29E+06	63.37	Poor
CB6.1	Fall	AP	Chlorophyte Biomass	0.00E+00	21.02	Poor
CB6.1	Fall	AP	Picoplankton Biomass	4.56E+07	47.83	Fair
CB6.1	Fall	AP	Cryptophyte Biomass	2.81E+07	99.02	Good
CB6.1	Fall	AP	Cyanobacteria Abundance	1.69E+05	62.08	Poor
CB6.4	Fall	AP	Total Biomass	3.28E+08	53.79	Fair
CB6.4	Fall	AP	Biomass to Abundance Ratio	56.39	29.34	Poor
CB6.4	Fall	AP	Margalef Diversity Index	2.12	19.11	Poor
CB6.4	Fall	AP	Diatom Biomass	2.39E+08	69.06	Good
CB6.4	Fall	AP	Dinoflagellate Biomass	7.70E+07	64.40	Poor
CB6.4	Fall	AP	Cyanobacteria Biomass	7.61E+05	88.70	Poor
CB6.4	Fall	AP	Chlorophyte Biomass	0.00E+00	23.50	Poor
CB6.4	Fall	AP	Picoplankton Biomass	2.01E+07	43.61	Fair
CB6.4	Fall	AP	Cryptophyte Biomass	1.92E+07	68.39	Good
CB6.4	Fall	AP	Cyanobacteria Abundance	1.56E+05	88.65	Poor
CB7.3E	Fall	AP	Total Biomass	5.83E+08	74.71	Good
CB7.3E	Fall	AP	Biomass to Abundance Ratio	88.49	50.66	Fair
CB7.3E	Fall	AP	Margalef Diversity Index	2.33	31.05	Poor
CB7.3E	Fall	AP	Diatom Biomass	4.43E+08	77.87	Good
CB7.3E	Fall	AP	Dinoflagellate Biomass	4.82E+07	56.32	Fair
CB7.3E	Fall	AP	Cyanobacteria Biomass	8.64E+05	89.04	Poor
CB7.3E	Fall	AP	Chlorophyte Biomass	2.92E+03	77.51	Good
CB7.3E	Fall	AP	Picoplankton Biomass	2.70E+07	51.54	Fair
CB7.3E	Fall	AP	Cryptophyte Biomass	2.47E+07	69.70	Good
CB7.3E	Fall	AP	Cyanobacteria Abundance	1.14E+05	87.58	Poor
CB7.4	Fall	AP	Total Biomass	6.57E+08	78.19	Good
CB7.4	Fall	AP	Biomass to Abundance Ratio	142.42	72.87	Good
CB7.4	Fall	AP	Margalef Diversity Index	2.77	60.14	Good
CB7.4	Fall	AP	Diatom Biomass	4.79E+08	78.82	Good
CB7.4	Fall	AP	Dinoflagellate Biomass	1.78E+08	76.85	Poor
CB7.4	Fall	AP	Cyanobacteria Biomass	1.10E+06	89.66	Poor
CB7.4	Fall	AP	Chlorophyte Biomass	4.30E+05	93.99	Good
CB7.4	Fall	AP	Picoplankton Biomass	2.69E+07	51.39	Fair
CB7.4	Fall	AP	Cryptophyte Biomass	9.89E+06	64.79	Fair
CB7.4	Fall	AP	Cyanobacteria Abundance	2.56E+05	90.14	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF5.5	SAV1	AP	Total Biomass	3.74E+09	72.52	Good
TF5.5	SAV1	AP	Biomass to Abundance Ratio	58.23	28.44	Poor
TF5.5	SAV1	AP	Margalef Diversity Index	2.31	78.03	Good
TF5.5	SAV1	AP	Diatom Biomass	1.71E+09	66.92	Good
TF5.5	SAV1	AP	Dinoflagellate Biomass	1.40E+06	88.08	Poor
TF5.5	SAV1	AP	Cyanobacteria Biomass	1.93E+08	73.80	Poor
TF5.5	SAV1	AP	Chlorophyte Biomass	9.88E+08	83.38	Good
TF5.5	SAV1	AP	Picoplankton Biomass	1.77E+07	40.26	Good
TF5.5	SAV1	AP	Cryptophyte Biomass	4.64E+07	93.21	Good
TF5.5	SAV1	AP	Cyanobacteria Abundance	2.46E+07	83.88	Poor
RET5.2	SAV1	AP	Total Biomass	8.14E+08	45.08	Fair
RET5.2	SAV1	AP	Biomass to Abundance Ratio	40.14	29.13	Poor
RET5.2	SAV1	AP	Margalef Diversity Index	1.65	34.23	Poor
RET5.2	SAV1	AP	Diatom Biomass	3.58E+08	55.30	Fair
RET5.2	SAV1	AP	Dinoflagellate Biomass	1.24E+05	32.91	Good
RET5.2	SAV1	AP	Cyanobacteria Biomass	1.55E+07	60.05	Poor
RET5.2	SAV1	AP	Chlorophyte Biomass	6.39E+07	69.59	Good
RET5.2	SAV1	AP	Picoplankton Biomass	5.59E+07	49.62	Fair
RET5.2	SAV1	AP	Cryptophyte Biomass	2.45E+07	84.76	Good
RET5.2	SAV1	AP	Cyanobacteria Abundance	1.27E+06	51.00	Fair
LE5.5	SAV1	AP	Total Biomass	2.73E+08	23.09	Poor
LE5.5	SAV1	AP	Biomass to Abundance Ratio	69.56	21.56	Poor
LE5.5	SAV1	AP	Margalef Diversity Index	2.75	66.82	Good
LE5.5	SAV1	AP	Diatom Biomass	2.15E+08	48.36	Fair
LE5.5	SAV1	AP	Dinoflagellate Biomass	2.91E+07	43.72	Fair
LE5.5	SAV1	AP	Cyanobacteria Biomass	1.34E+06	78.97	Poor
LE5.5	SAV1	AP	Chlorophyte Biomass	8.83E+04	74.68	Good
LE5.5	SAV1	AP	Picoplankton Biomass	3.34E+07	52.73	Fair
LE5.5	SAV1	AP	Cryptophyte Biomass	2.41E+07	71.00	Good
LE5.5	SAV1	AP	Cyanobacteria Abundance	1.76E+05	80.33	Poor
SBE5	SAV1	AP	Total Biomass	1.64E+08	12.64	Poor
SBE5	SAV1	AP	Biomass to Abundance Ratio	40.26	16.71	Poor
SBE5	SAV1	AP	Margalef Diversity Index	1.97	84.40	Good
SBE5	SAV1	AP	Diatom Biomass	1.16E+08	44.21	Fair
SBE5	SAV1	AP	Dinoflagellate Biomass	5.44E+06	48.39	Fair
SBE5	SAV1	AP	Cyanobacteria Biomass	1.70E+06	53.85	Fair
SBE5	SAV1	AP	Chlorophyte Biomass	1.62E+06	82.48	Good
SBE5	SAV1	AP	Picoplankton Biomass	8.44E+06	29.52	Good
SBE5	SAV1	AP	Cryptophyte Biomass	2.43E+07	98.90	Good
SBE5	SAV1	AP	Cyanobacteria Abundance	2.66E+05	55.64	Fair

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF4.2	SAV1	AP	Total Biomass	3.02E+08	20.46	Poor
TF4.2	SAV1	AP	Biomass to Abundance Ratio	52.10	25.76	Poor
TF4.2	SAV1	AP	Margalef Diversity Index	1.56	18.94	Poor
TF4.2	SAV1	AP	Diatom Biomass	1.79E+08	30.55	Poor
TF4.2	SAV1	AP	Dinoflagellate Biomass	4.98E+04	77.32	Poor
TF4.2	SAV1	AP	Cyanobacteria Biomass	3.56E+06	51.17	Fair
TF4.2	SAV1	AP	Chlorophyte Biomass	6.91E+07	67.28	Good
TF4.2	SAV1	AP	Picoplankton Biomass	1.78E+07	39.77	Good
TF4.2	SAV1	AP	Cryptophyte Biomass	1.87E+07	91.86	Good
TF4.2	SAV1	AP	Cyanobacteria Abundance	4.15E+05	43.56	Fair
RET4.3	SAV1	AP	Total Biomass	7.42E+08	37.16	Poor
RET4.3	SAV1	AP	Biomass to Abundance Ratio	43.31	18.08	Poor
RET4.3	SAV1	AP	Margalef Diversity Index	1.66	60.80	Good
RET4.3	SAV1	AP	Diatom Biomass	5.46E+08	59.71	Good
RET4.3	SAV1	AP	Dinoflagellate Biomass	5.52E+07	69.29	Poor
RET4.3	SAV1	AP	Cyanobacteria Biomass	9.38E+06	62.49	Poor
RET4.3	SAV1	AP	Chlorophyte Biomass	1.19E+07	87.93	Good
RET4.3	SAV1	AP	Picoplankton Biomass	2.48E+07	51.44	Fair
RET4.3	SAV1	AP	Cryptophyte Biomass	5.41E+07	99.13	Good
RET4.3	SAV1	AP	Cyanobacteria Abundance	1.76E+06	70.59	Poor
WE4.2	SAV1	AP	Total Biomass	3.75E+08	31.54	Poor
WE4.2	SAV1	AP	Biomass to Abundance Ratio	67.95	23.02	Poor
WE4.2	SAV1	AP	Margalef Diversity Index	2.16	29.78	Poor
WE4.2	SAV1	AP	Diatom Biomass	2.30E+08	52.04	Fair
WE4.2	SAV1	AP	Dinoflagellate Biomass	5.22E+07	54.84	Fair
WE4.2	SAV1	AP	Cyanobacteria Biomass	1.69E+06	79.80	Poor
WE4.2	SAV1	AP	Chlorophyte Biomass	5.85E+03	37.57	Poor
WE4.2	SAV1	AP	Picoplankton Biomass	6.04E+07	60.37	Poor
WE4.2	SAV1	AP	Cryptophyte Biomass	1.78E+07	69.98	Good
WE4.2	SAV1	AP	Cyanobacteria Abundance	3.44E+05	83.04	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF3.3	SAV1	AP	Total Biomass	1.74E+09	63.07	Good
TF3.3	SAV1	AP	Biomass to Abundance Ratio	50.23	35.65	Poor
TF3.3	SAV1	AP	Margalef Diversity Index	1.79	45.78	Fair
TF3.3	SAV1	AP	Diatom Biomass	9.77E+08	66.90	Good
TF3.3	SAV1	AP	Dinoflagellate Biomass	4.75E+07	82.90	Poor
TF3.3	SAV1	AP	Cyanobacteria Biomass	2.92E+07	64.17	Poor
TF3.3	SAV1	AP	Chlorophyte Biomass	1.60E+08	75.10	Good
TF3.3	SAV1	AP	Picoplankton Biomass	8.21E+07	61.01	Poor
TF3.3	SAV1	AP	Cryptophyte Biomass	2.88E+07	85.35	Good
TF3.3	SAV1	AP	Cyanobacteria Abundance	6.12E+06	71.13	Poor
RET3.1	SAV1	AP	Total Biomass	8.58E+08	40.51	Poor
RET3.1	SAV1	AP	Biomass to Abundance Ratio	43.22	18.04	Poor
RET3.1	SAV1	AP	Margalef Diversity Index	1.75	69.19	Good
RET3.1	SAV1	AP	Diatom Biomass	5.39E+08	59.61	Good
RET3.1	SAV1	AP	Dinoflagellate Biomass	6.00E+06	49.33	Fair
RET3.1	SAV1	AP	Cyanobacteria Biomass	3.36E+07	68.65	Poor
RET3.1	SAV1	AP	Chlorophyte Biomass	4.70E+07	90.80	Good
RET3.1	SAV1	AP	Picoplankton Biomass	8.78E+07	75.91	Poor
RET3.1	SAV1	AP	Cryptophyte Biomass	4.19E+07	99.06	Good
RET3.1	SAV1	AP	Cyanobacteria Abundance	4.09E+06	76.30	Poor
LE3.6	SAV1	AP	Total Biomass	6.31E+08	33.47	Poor
LE3.6	SAV1	AP	Biomass to Abundance Ratio	78.62	32.65	Poor
LE3.6	SAV1	AP	Margalef Diversity Index	2.23	95.07	Good
LE3.6	SAV1	AP	Diatom Biomass	4.62E+08	57.73	Good
LE3.6	SAV1	AP	Dinoflagellate Biomass	8.28E+07	73.23	Poor
LE3.6	SAV1	AP	Cyanobacteria Biomass	6.05E+06	59.01	Poor
LE3.6	SAV1	AP	Chlorophyte Biomass	1.25E+06	77.93	Good
LE3.6	SAV1	AP	Picoplankton Biomass	2.45E+07	55.01	Fair
LE3.6	SAV1	AP	Cryptophyte Biomass	3.55E+07	99.02	Good
LE3.6	SAV1	AP	Cyanobacteria Abundance	9.09E+05	65.71	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
CB6.1	SAV1	AP	Total Biomass	6.33E+08	31.13	Poor
CB6.1	SAV1	AP	Biomass to Abundance Ratio	108.39	42.61	Fair
CB6.1	SAV1	AP	Margalef Diversity Index	2.34	96.20	Good
CB6.1	SAV1	AP	Diatom Biomass	2.69E+08	54.44	Fair
CB6.1	SAV1	AP	Dinoflagellate Biomass	7.67E+07	72.13	Poor
CB6.1	SAV1	AP	Cyanobacteria Biomass	1.73E+06	53.97	Fair
CB6.1	SAV1	AP	Chlorophyte Biomass	1.62E+05	61.59	Good
CB6.1	SAV1	AP	Picoplankton Biomass	2.51E+07	51.75	Fair
CB6.1	SAV1	AP	Cryptophyte Biomass	2.54E+07	98.81	Good
CB6.1	SAV1	AP	Cyanobacteria Abundance	2.27E+05	54.30	Fair
CB6.4	SAV1	AP	Total Biomass	6.37E+08	44.84	Fair
CB6.4	SAV1	AP	Biomass to Abundance Ratio	91.76	31.83	Poor
CB6.4	SAV1	AP	Margalef Diversity Index	2.25	30.97	Poor
CB6.4	SAV1	AP	Diatom Biomass	2.85E+08	52.24	Fair
CB6.4	SAV1	AP	Dinoflagellate Biomass	1.09E+08	67.28	Poor
CB6.4	SAV1	AP	Cyanobacteria Biomass	1.54E+06	80.27	Poor
CB6.4	SAV1	AP	Chlorophyte Biomass	0.00E+00	13.95	Poor
CB6.4	SAV1	AP	Picoplankton Biomass	2.03E+07	42.08	Good
CB6.4	SAV1	AP	Cryptophyte Biomass	1.81E+07	69.58	Good
CB6.4	SAV1	AP	Cyanobacteria Abundance	2.34E+05	82.81	Poor
CB7.3E	SAV1	AP	Total Biomass	5.42E+08	44.60	Fair
CB7.3E	SAV1	AP	Biomass to Abundance Ratio	105.82	39.14	Poor
CB7.3E	SAV1	AP	Margalef Diversity Index	2.30	33.04	Poor
CB7.3E	SAV1	AP	Diatom Biomass	3.94E+08	60.34	Good
CB7.3E	SAV1	AP	Dinoflagellate Biomass	9.84E+07	65.39	Poor
CB7.3E	SAV1	AP	Cyanobacteria Biomass	1.73E+06	80.06	Poor
CB7.3E	SAV1	AP	Chlorophyte Biomass	2.92E+03	56.80	Good
CB7.3E	SAV1	AP	Picoplankton Biomass	2.70E+07	47.68	Fair
CB7.3E	SAV1	AP	Cryptophyte Biomass	1.60E+07	68.99	Good
CB7.3E	SAV1	AP	Cyanobacteria Abundance	2.27E+05	81.66	Poor
CB7.4	SAV1	AP	Total Biomass	6.82E+08	52.86	Fair
CB7.4	SAV1	AP	Biomass to Abundance Ratio	97.16	35.10	Poor
CB7.4	SAV1	AP	Margalef Diversity Index	2.57	53.78	Fair
CB7.4	SAV1	AP	Diatom Biomass	5.52E+08	66.62	Good
CB7.4	SAV1	AP	Dinoflagellate Biomass	1.19E+08	68.40	Poor
CB7.4	SAV1	AP	Cyanobacteria Biomass	3.52E+06	82.86	Poor
CB7.4	SAV1	AP	Chlorophyte Biomass	2.62E+04	70.04	Good
CB7.4	SAV1	AP	Picoplankton Biomass	2.17E+07	42.50	Good
CB7.4	SAV1	AP	Cryptophyte Biomass	1.80E+07	69.58	Good
CB7.4	SAV1	AP	Cyanobacteria Abundance	5.68E+05	85.87	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF5.5	SAV2	AP	Total Biomass	3.96E+09	67.93	Good
TF5.5	SAV2	AP	Biomass to Abundance Ratio	44.08	25.81	Poor
TF5.5	SAV2	AP	Margalef Diversity Index	2.70	83.65	Good
TF5.5	SAV2	AP	Diatom Biomass	2.34E+09	72.00	Good
TF5.5	SAV2	AP	Dinoflagellate Biomass	2.48E+06	81.43	Poor
TF5.5	SAV2	AP	Cyanobacteria Biomass	2.79E+08	68.56	Poor
TF5.5	SAV2	AP	Chlorophyte Biomass	8.89E+08	80.18	Good
TF5.5	SAV2	AP	Picoplankton Biomass	1.15E+08	63.02	Poor
TF5.5	SAV2	AP	Cryptophyte Biomass	3.74E+07	91.58	Good
TF5.5	SAV2	AP	Cyanobacteria Abundance	3.27E+07	79.69	Poor
RET5.2	SAV2	AP	Total Biomass	1.11E+09	46.74	Fair
RET5.2	SAV2	AP	Biomass to Abundance Ratio	39.13	29.09	Poor
RET5.2	SAV2	AP	Margalef Diversity Index	1.51	16.64	Poor
RET5.2	SAV2	AP	Diatom Biomass	5.32E+08	59.17	Good
RET5.2	SAV2	AP	Dinoflagellate Biomass	7.98E+05	55.83	Fair
RET5.2	SAV2	AP	Cyanobacteria Biomass	3.45E+07	54.83	Fair
RET5.2	SAV2	AP	Chlorophyte Biomass	1.36E+08	71.79	Good
RET5.2	SAV2	AP	Picoplankton Biomass	2.25E+08	58.11	Poor
RET5.2	SAV2	AP	Cryptophyte Biomass	3.55E+07	87.35	Good
RET5.2	SAV2	AP	Cyanobacteria Abundance	3.74E+06	59.84	Poor
LE5.5	SAV2	AP	Total Biomass	4.05E+08	28.07	Poor
LE5.5	SAV2	AP	Biomass to Abundance Ratio	67.17	18.53	Poor
LE5.5	SAV2	AP	Margalef Diversity Index	2.39	45.86	Fair
LE5.5	SAV2	AP	Diatom Biomass	2.51E+08	52.24	Fair
LE5.5	SAV2	AP	Dinoflagellate Biomass	1.01E+08	58.12	Fair
LE5.5	SAV2	AP	Cyanobacteria Biomass	1.40E+06	72.83	Poor
LE5.5	SAV2	AP	Chlorophyte Biomass	0.00E+00	13.82	Poor
LE5.5	SAV2	AP	Picoplankton Biomass	2.99E+08	69.91	Poor
LE5.5	SAV2	AP	Cryptophyte Biomass	2.47E+07	69.93	Good
LE5.5	SAV2	AP	Cyanobacteria Abundance	1.85E+05	74.87	Poor
SBE5	SAV2	AP	Total Biomass	2.85E+08	12.23	Poor
SBE5	SAV2	AP	Biomass to Abundance Ratio	39.35	12.12	Poor
SBE5	SAV2	AP	Margalef Diversity Index	1.69	52.56	Fair
SBE5	SAV2	AP	Diatom Biomass	1.43E+08	46.91	Fair
SBE5	SAV2	AP	Dinoflagellate Biomass	2.32E+07	50.85	Fair
SBE5	SAV2	AP	Cyanobacteria Biomass	4.76E+06	41.96	Fair
SBE5	SAV2	AP	Chlorophyte Biomass	9.81E+05	79.29	Good
SBE5	SAV2	AP	Picoplankton Biomass	1.26E+08	59.42	Poor
SBE5	SAV2	AP	Cryptophyte Biomass	2.28E+07	98.69	Good
SBE5	SAV2	AP	Cyanobacteria Abundance	8.12E+05	43.25	Fair

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF4.2	SAV2	AP	Total Biomass	3.29E+08	17.62	Poor
TF4.2	SAV2	AP	Biomass to Abundance Ratio	49.09	28.42	Poor
TF4.2	SAV2	AP	Margalef Diversity Index	1.55	11.76	Poor
TF4.2	SAV2	AP	Diatom Biomass	1.89E+08	19.62	Poor
TF4.2	SAV2	AP	Dinoflagellate Biomass	6.11E+05	76.04	Poor
TF4.2	SAV2	AP	Cyanobacteria Biomass	4.02E+06	36.25	Good
TF4.2	SAV2	AP	Chlorophyte Biomass	6.59E+07	59.52	Good
TF4.2	SAV2	AP	Picoplankton Biomass	7.73E+07	52.58	Fair
TF4.2	SAV2	AP	Cryptophyte Biomass	1.51E+07	89.92	Good
TF4.2	SAV2	AP	Cyanobacteria Abundance	5.38E+05	22.76	Good
RET4.3	SAV2	AP	Total Biomass	6.45E+08	24.43	Poor
RET4.3	SAV2	AP	Biomass to Abundance Ratio	37.10	11.26	Poor
RET4.3	SAV2	AP	Margalef Diversity Index	1.60	43.06	Fair
RET4.3	SAV2	AP	Diatom Biomass	4.78E+08	57.89	Good
RET4.3	SAV2	AP	Dinoflagellate Biomass	2.60E+07	52.18	Fair
RET4.3	SAV2	AP	Cyanobacteria Biomass	1.90E+07	50.92	Fair
RET4.3	SAV2	AP	Chlorophyte Biomass	1.75E+07	87.78	Good
RET4.3	SAV2	AP	Picoplankton Biomass	8.82E+07	51.19	Fair
RET4.3	SAV2	AP	Cryptophyte Biomass	5.50E+07	98.99	Good
RET4.3	SAV2	AP	Cyanobacteria Abundance	2.38E+06	58.61	Poor
WE4.2	SAV2	AP	Total Biomass	5.88E+08	43.39	Fair
WE4.2	SAV2	AP	Biomass to Abundance Ratio	91.08	32.60	Poor
WE4.2	SAV2	AP	Margalef Diversity Index	2.26	41.92	Poor
WE4.2	SAV2	AP	Diatom Biomass	3.35E+08	60.69	Good
WE4.2	SAV2	AP	Dinoflagellate Biomass	1.08E+08	60.08	Poor
WE4.2	SAV2	AP	Cyanobacteria Biomass	2.71E+06	76.25	Poor
WE4.2	SAV2	AP	Chlorophyte Biomass	1.64E+04	66.27	Good
WE4.2	SAV2	AP	Picoplankton Biomass	3.29E+08	73.34	Poor
WE4.2	SAV2	AP	Cryptophyte Biomass	2.23E+07	69.94	Good
WE4.2	SAV2	AP	Cyanobacteria Abundance	4.97E+05	81.22	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF3.3	SAV2	AP	Total Biomass	1.81E+09	57.57	Fair
TF3.3	SAV2	AP	Biomass to Abundance Ratio	36.50	27.36	Poor
TF3.3	SAV2	AP	Margalef Diversity Index	1.93	47.02	Fair
TF3.3	SAV2	AP	Diatom Biomass	1.28E+09	69.32	Good
TF3.3	SAV2	AP	Dinoflagellate Biomass	3.53E+07	77.06	Poor
TF3.3	SAV2	AP	Cyanobacteria Biomass	1.56E+08	66.34	Poor
TF3.3	SAV2	AP	Chlorophyte Biomass	2.46E+08	75.16	Good
TF3.3	SAV2	AP	Picoplankton Biomass	3.13E+08	67.41	Poor
TF3.3	SAV2	AP	Cryptophyte Biomass	4.09E+07	87.40	Good
TF3.3	SAV2	AP	Cyanobacteria Abundance	1.95E+07	76.99	Poor
RET3.1	SAV2	AP	Total Biomass	1.05E+09	34.78	Poor
RET3.1	SAV2	AP	Biomass to Abundance Ratio	35.48	10.65	Poor
RET3.1	SAV2	AP	Margalef Diversity Index	1.82	65.04	Good
RET3.1	SAV2	AP	Diatom Biomass	6.72E+08	60.90	Good
RET3.1	SAV2	AP	Dinoflagellate Biomass	6.00E+06	35.68	Good
RET3.1	SAV2	AP	Cyanobacteria Biomass	5.40E+07	57.71	Fair
RET3.1	SAV2	AP	Chlorophyte Biomass	4.70E+07	89.92	Good
RET3.1	SAV2	AP	Picoplankton Biomass	5.16E+08	84.34	Poor
RET3.1	SAV2	AP	Cryptophyte Biomass	4.74E+07	98.95	Good
RET3.1	SAV2	AP	Cyanobacteria Abundance	1.50E+07	80.39	Poor
LE3.6	SAV2	AP	Total Biomass	7.77E+08	28.01	Poor
LE3.6	SAV2	AP	Biomass to Abundance Ratio	84.17	29.54	Poor
LE3.6	SAV2	AP	Margalef Diversity Index	2.23	91.16	Good
LE3.6	SAV2	AP	Diatom Biomass	3.91E+08	56.93	Fair
LE3.6	SAV2	AP	Dinoflagellate Biomass	2.03E+08	73.42	Poor
LE3.6	SAV2	AP	Cyanobacteria Biomass	4.73E+06	41.72	Good
LE3.6	SAV2	AP	Chlorophyte Biomass	2.37E+05	74.25	Good
LE3.6	SAV2	AP	Picoplankton Biomass	4.12E+08	81.89	Poor
LE3.6	SAV2	AP	Cryptophyte Biomass	3.42E+07	98.83	Good
LE3.6	SAV2	AP	Cyanobacteria Abundance	7.59E+05	39.94	Good

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
CB6.1	SAV2	AP	Total Biomass	6.68E+08	24.07	Poor
CB6.1	SAV2	AP	Biomass to Abundance Ratio	123.31	39.22	Poor
CB6.1	SAV2	AP	Margalef Diversity Index	2.59	96.44	Good
CB6.1	SAV2	AP	Diatom Biomass	2.80E+08	53.23	Fair
CB6.1	SAV2	AP	Dinoflagellate Biomass	1.52E+08	71.35	Poor
CB6.1	SAV2	AP	Cyanobacteria Biomass	2.46E+06	38.14	Good
CB6.1	SAV2	AP	Chlorophyte Biomass	2.29E+05	73.32	Good
CB6.1	SAV2	AP	Picoplankton Biomass	4.16E+08	79.63	Poor
CB6.1	SAV2	AP	Cryptophyte Biomass	1.74E+07	98.59	Good
CB6.1	SAV2	AP	Cyanobacteria Abundance	3.97E+05	33.57	Good
CB6.4	SAV2	AP	Total Biomass	7.48E+08	46.91	Fair
CB6.4	SAV2	AP	Biomass to Abundance Ratio	99.99	35.37	Poor
CB6.4	SAV2	AP	Margalef Diversity Index	2.12	24.86	Poor
CB6.4	SAV2	AP	Diatom Biomass	2.39E+08	44.78	Fair
CB6.4	SAV2	AP	Dinoflagellate Biomass	2.24E+08	77.14	Poor
CB6.4	SAV2	AP	Cyanobacteria Biomass	3.62E+06	77.25	Poor
CB6.4	SAV2	AP	Chlorophyte Biomass	4.57E+04	66.27	Good
CB6.4	SAV2	AP	Picoplankton Biomass	3.49E+08	72.91	Poor
CB6.4	SAV2	AP	Cryptophyte Biomass	1.92E+07	68.69	Good
CB6.4	SAV2	AP	Cyanobacteria Abundance	4.81E+05	79.76	Poor
CB7.3E	SAV2	AP	Total Biomass	5.83E+08	40.56	Poor
CB7.3E	SAV2	AP	Biomass to Abundance Ratio	79.43	24.80	Poor
CB7.3E	SAV2	AP	Margalef Diversity Index	2.61	62.87	Good
CB7.3E	SAV2	AP	Diatom Biomass	3.28E+08	59.64	Good
CB7.3E	SAV2	AP	Dinoflagellate Biomass	1.08E+08	59.71	Poor
CB7.3E	SAV2	AP	Cyanobacteria Biomass	2.15E+06	74.88	Poor
CB7.3E	SAV2	AP	Chlorophyte Biomass	1.10E+03	51.71	Fair
CB7.3E	SAV2	AP	Picoplankton Biomass	3.15E+08	70.89	Poor
CB7.3E	SAV2	AP	Cryptophyte Biomass	1.99E+07	68.85	Good
CB7.3E	SAV2	AP	Cyanobacteria Abundance	3.31E+05	78.31	Poor
CB7.4	SAV2	AP	Total Biomass	6.69E+08	45.74	Fair
CB7.4	SAV2	AP	Biomass to Abundance Ratio	71.70	20.81	Poor
CB7.4	SAV2	AP	Margalef Diversity Index	2.19	29.54	Poor
CB7.4	SAV2	AP	Diatom Biomass	3.41E+08	60.63	Good
CB7.4	SAV2	AP	Dinoflagellate Biomass	7.21E+07	49.25	Fair
CB7.4	SAV2	AP	Cyanobacteria Biomass	3.91E+06	77.77	Poor
CB7.4	SAV2	AP	Chlorophyte Biomass	7.31E+02	33.95	Poor
CB7.4	SAV2	AP	Picoplankton Biomass	2.33E+08	64.79	Poor
CB7.4	SAV2	AP	Cryptophyte Biomass	1.24E+07	66.45	Fair
CB7.4	SAV2	AP	Cyanobacteria Abundance	6.54E+05	82.15	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF5.5	Spring1	AP	Total Biomass	3.66E+09	69.41	Good
TF5.5	Spring1	AP	Biomass to Abundance Ratio	70.83	27.29	Poor
TF5.5	Spring1	AP	Margalef Diversity Index	2.01	59.68	Good
TF5.5	Spring1	AP	Diatom Biomass	1.54E+09	62.62	Good
TF5.5	Spring1	AP	Dinoflagellate Biomass	6.78E+05	87.54	Poor
TF5.5	Spring1	AP	Cyanobacteria Biomass	2.87E+07	67.16	Poor
TF5.5	Spring1	AP	Chlorophyte Biomass	8.89E+08	82.77	Good
TF5.5	Spring1	AP	Picoplankton Biomass	1.36E+07	53.43	Fair
TF5.5	Spring1	AP	Cryptophyte Biomass	2.83E+07	94.37	Good
TF5.5	Spring1	AP	Cyanobacteria Abundance	9.81E+06	81.35	Poor
RET5.2	Spring1	AP	Total Biomass	1.29E+09	53.14	Fair
RET5.2	Spring1	AP	Biomass to Abundance Ratio	41.18	23.10	Poor
RET5.2	Spring1	AP	Margalef Diversity Index	1.82	51.24	Fair
RET5.2	Spring1	AP	Diatom Biomass	5.32E+08	58.30	Good
RET5.2	Spring1	AP	Dinoflagellate Biomass	0.00E+00	8.38	Good
RET5.2	Spring1	AP	Cyanobacteria Biomass	1.35E+07	60.86	Poor
RET5.2	Spring1	AP	Chlorophyte Biomass	7.63E+07	71.95	Good
RET5.2	Spring1	AP	Picoplankton Biomass	2.03E+07	53.71	Fair
RET5.2	Spring1	AP	Cryptophyte Biomass	4.55E+07	88.73	Good
RET5.2	Spring1	AP	Cyanobacteria Abundance	1.53E+06	61.61	Poor
LE5.5	Spring1	AP	Total Biomass	3.81E+08	15.79	Poor
LE5.5	Spring1	AP	Biomass to Abundance Ratio	76.50	12.99	Poor
LE5.5	Spring1	AP	Margalef Diversity Index	2.81	79.36	Good
LE5.5	Spring1	AP	Diatom Biomass	2.51E+08	24.47	Poor
LE5.5	Spring1	AP	Dinoflagellate Biomass	1.01E+08	65.19	Poor
LE5.5	Spring1	AP	Cyanobacteria Biomass	1.77E+06	75.38	Poor
LE5.5	Spring1	AP	Chlorophyte Biomass	1.83E+06	77.47	Good
LE5.5	Spring1	AP	Picoplankton Biomass	1.35E+07	55.49	Fair
LE5.5	Spring1	AP	Cryptophyte Biomass	2.52E+07	71.69	Good
LE5.5	Spring1	AP	Cyanobacteria Abundance	2.42E+05	79.32	Poor
SBE5	Spring1	AP	Total Biomass	1.47E+08	5.06	Poor
SBE5	Spring1	AP	Biomass to Abundance Ratio	32.90	7.37	Poor
SBE5	Spring1	AP	Margalef Diversity Index	1.98	85.84	Good
SBE5	Spring1	AP	Diatom Biomass	1.01E+08	25.68	Poor
SBE5	Spring1	AP	Dinoflagellate Biomass	3.21E+06	39.49	Good
SBE5	Spring1	AP	Cyanobacteria Biomass	1.51E+06	52.72	Fair
SBE5	Spring1	AP	Chlorophyte Biomass	3.59E+06	76.62	Good
SBE5	Spring1	AP	Picoplankton Biomass	4.29E+06	48.35	Fair
SBE5	Spring1	AP	Cryptophyte Biomass	2.61E+07	98.76	Good
SBE5	Spring1	AP	Cyanobacteria Abundance	2.84E+05	57.41	Fair

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF4.2	Spring1	AP	Total Biomass	2.45E+08	15.09	Poor
TF4.2	Spring1	AP	Biomass to Abundance Ratio	61.47	24.01	Poor
TF4.2	Spring1	AP	Margalef Diversity Index	1.43	12.77	Poor
TF4.2	Spring1	AP	Diatom Biomass	1.45E+08	18.57	Poor
TF4.2	Spring1	AP	Dinoflagellate Biomass	0.00E+00	20.23	Good
TF4.2	Spring1	AP	Cyanobacteria Biomass	2.34E+06	53.24	Fair
TF4.2	Spring1	AP	Chlorophyte Biomass	6.59E+07	65.07	Good
TF4.2	Spring1	AP	Picoplankton Biomass	7.13E+06	33.47	Good
TF4.2	Spring1	AP	Cryptophyte Biomass	1.76E+07	93.75	Good
TF4.2	Spring1	AP	Cyanobacteria Abundance	3.08E+05	50.44	Fair
RET4.3	Spring1	AP	Total Biomass	6.45E+08	20.29	Poor
RET4.3	Spring1	AP	Biomass to Abundance Ratio	52.82	13.94	Poor
RET4.3	Spring1	AP	Margalef Diversity Index	1.53	47.93	Fair
RET4.3	Spring1	AP	Diatom Biomass	5.03E+08	48.58	Fair
RET4.3	Spring1	AP	Dinoflagellate Biomass	9.02E+07	72.83	Poor
RET4.3	Spring1	AP	Cyanobacteria Biomass	5.21E+06	59.11	Poor
RET4.3	Spring1	AP	Chlorophyte Biomass	1.36E+07	81.37	Good
RET4.3	Spring1	AP	Picoplankton Biomass	4.68E+06	50.84	Fair
RET4.3	Spring1	AP	Cryptophyte Biomass	3.70E+07	98.88	Good
RET4.3	Spring1	AP	Cyanobacteria Abundance	6.85E+05	64.53	Poor
WE4.2	Spring1	AP	Total Biomass	5.83E+08	29.28	Poor
WE4.2	Spring1	AP	Biomass to Abundance Ratio	94.39	21.27	Poor
WE4.2	Spring1	AP	Margalef Diversity Index	2.48	64.74	Good
WE4.2	Spring1	AP	Diatom Biomass	3.10E+08	31.12	Poor
WE4.2	Spring1	AP	Dinoflagellate Biomass	9.31E+07	66.00	Poor
WE4.2	Spring1	AP	Cyanobacteria Biomass	3.04E+06	78.99	Poor
WE4.2	Spring1	AP	Chlorophyte Biomass	7.05E+04	59.67	Good
WE4.2	Spring1	AP	Picoplankton Biomass	1.16E+07	58.04	Poor
WE4.2	Spring1	AP	Cryptophyte Biomass	1.71E+07	69.96	Good
WE4.2	Spring1	AP	Cyanobacteria Abundance	4.00E+05	83.40	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF3.3	Spring1	AP	Total Biomass	1.81E+09	61.02	Good
TF3.3	Spring1	AP	Biomass to Abundance Ratio	58.44	31.87	Poor
TF3.3	Spring1	AP	Margalef Diversity Index	1.49	23.11	Poor
TF3.3	Spring1	AP	Diatom Biomass	6.52E+08	60.57	Good
TF3.3	Spring1	AP	Dinoflagellate Biomass	4.66E+07	84.28	Poor
TF3.3	Spring1	AP	Cyanobacteria Biomass	3.41E+07	66.44	Poor
TF3.3	Spring1	AP	Chlorophyte Biomass	1.53E+08	76.31	Good
TF3.3	Spring1	AP	Picoplankton Biomass	1.98E+07	53.07	Fair
TF3.3	Spring1	AP	Cryptophyte Biomass	2.73E+07	87.60	Good
TF3.3	Spring1	AP	Cyanobacteria Abundance	6.36E+06	78.29	Poor
RET3.1	Spring1	AP	Total Biomass	1.14E+09	31.67	Poor
RET3.1	Spring1	AP	Biomass to Abundance Ratio	43.22	10.69	Poor
RET3.1	Spring1	AP	Margalef Diversity Index	1.62	58.42	Good
RET3.1	Spring1	AP	Diatom Biomass	5.39E+08	49.66	Fair
RET3.1	Spring1	AP	Dinoflagellate Biomass	4.39E+06	42.69	Fair
RET3.1	Spring1	AP	Cyanobacteria Biomass	3.36E+07	68.13	Poor
RET3.1	Spring1	AP	Chlorophyte Biomass	6.38E+07	85.89	Good
RET3.1	Spring1	AP	Picoplankton Biomass	2.51E+07	87.54	Poor
RET3.1	Spring1	AP	Cryptophyte Biomass	4.74E+07	98.96	Good
RET3.1	Spring1	AP	Cyanobacteria Abundance	4.09E+06	76.97	Poor
LE3.6	Spring1	AP	Total Biomass	6.33E+08	20.01	Poor
LE3.6	Spring1	AP	Biomass to Abundance Ratio	92.47	29.14	Poor
LE3.6	Spring1	AP	Margalef Diversity Index	2.23	95.42	Good
LE3.6	Spring1	AP	Diatom Biomass	4.84E+08	47.27	Fair
LE3.6	Spring1	AP	Dinoflagellate Biomass	6.41E+07	72.09	Poor
LE3.6	Spring1	AP	Cyanobacteria Biomass	5.31E+06	58.46	Poor
LE3.6	Spring1	AP	Chlorophyte Biomass	7.70E+05	67.30	Good
LE3.6	Spring1	AP	Picoplankton Biomass	8.52E+06	69.58	Poor
LE3.6	Spring1	AP	Cryptophyte Biomass	3.27E+07	98.81	Good
LE3.6	Spring1	AP	Cyanobacteria Abundance	9.22E+05	66.42	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
CB6.1	Spring1	AP	Total Biomass	7.48E+08	24.03	Poor
CB6.1	Spring1	AP	Biomass to Abundance Ratio	108.63	32.70	Poor
CB6.1	Spring1	AP	Margalef Diversity Index	2.28	95.83	Good
CB6.1	Spring1	AP	Diatom Biomass	5.13E+08	48.57	Fair
CB6.1	Spring1	AP	Dinoflagellate Biomass	7.24E+07	71.46	Poor
CB6.1	Spring1	AP	Cyanobacteria Biomass	2.27E+06	55.53	Fair
CB6.1	Spring1	AP	Chlorophyte Biomass	1.28E+05	48.87	Fair
CB6.1	Spring1	AP	Picoplankton Biomass	7.58E+06	69.52	Poor
CB6.1	Spring1	AP	Cryptophyte Biomass	1.74E+07	98.60	Good
CB6.1	Spring1	AP	Cyanobacteria Abundance	3.33E+05	60.18	Poor
CB6.4	Spring1	AP	Total Biomass	9.79E+08	29.69	Poor
CB6.4	Spring1	AP	Biomass to Abundance Ratio	86.13	16.35	Poor
CB6.4	Spring1	AP	Margalef Diversity Index	2.38	34.51	Poor
CB6.4	Spring1	AP	Diatom Biomass	3.53E+08	27.57	Poor
CB6.4	Spring1	AP	Dinoflagellate Biomass	1.28E+08	71.03	Poor
CB6.4	Spring1	AP	Cyanobacteria Biomass	4.05E+06	79.45	Poor
CB6.4	Spring1	AP	Chlorophyte Biomass	1.32E+06	65.56	Good
CB6.4	Spring1	AP	Picoplankton Biomass	9.56E+06	53.91	Fair
CB6.4	Spring1	AP	Cryptophyte Biomass	2.32E+07	70.02	Good
CB6.4	Spring1	AP	Cyanobacteria Abundance	5.97E+05	84.68	Poor
CB7.3E	Spring1	AP	Total Biomass	5.07E+08	22.76	Poor
CB7.3E	Spring1	AP	Biomass to Abundance Ratio	131.85	32.31	Poor
CB7.3E	Spring1	AP	Margalef Diversity Index	2.64	65.49	Good
CB7.3E	Spring1	AP	Diatom Biomass	3.45E+08	32.13	Poor
CB7.3E	Spring1	AP	Dinoflagellate Biomass	6.78E+07	58.13	Fair
CB7.3E	Spring1	AP	Cyanobacteria Biomass	1.50E+06	74.34	Poor
CB7.3E	Spring1	AP	Chlorophyte Biomass	6.22E+05	69.69	Good
CB7.3E	Spring1	AP	Picoplankton Biomass	4.54E+06	26.48	Good
CB7.3E	Spring1	AP	Cryptophyte Biomass	1.40E+07	68.71	Good
CB7.3E	Spring1	AP	Cyanobacteria Abundance	1.97E+05	77.75	Poor
CB7.4	Spring1	AP	Total Biomass	6.32E+08	28.42	Poor
CB7.4	Spring1	AP	Biomass to Abundance Ratio	73.44	12.05	Poor
CB7.4	Spring1	AP	Margalef Diversity Index	2.48	52.00	Fair
CB7.4	Spring1	AP	Diatom Biomass	4.83E+08	38.29	Poor
CB7.4	Spring1	AP	Dinoflagellate Biomass	9.22E+07	59.76	Poor
CB7.4	Spring1	AP	Cyanobacteria Biomass	6.91E+06	81.55	Poor
CB7.4	Spring1	AP	Chlorophyte Biomass	4.68E+04	33.38	Poor
CB7.4	Spring1	AP	Picoplankton Biomass	4.64E+06	27.41	Good
CB7.4	Spring1	AP	Cryptophyte Biomass	2.05E+07	70.64	Good
CB7.4	Spring1	AP	Cyanobacteria Abundance	9.35E+05	86.29	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF5.5	Spring2	AP	Total Biomass	3.82E+09	66.53	Good
TF5.5	Spring2	AP	Biomass to Abundance Ratio	54.89	24.17	Poor
TF5.5	Spring2	AP	Margalef Diversity Index	2.37	78.49	Good
TF5.5	Spring2	AP	Diatom Biomass	1.87E+09	61.95	Good
TF5.5	Spring2	AP	Dinoflagellate Biomass	2.12E+06	84.27	Poor
TF5.5	Spring2	AP	Cyanobacteria Biomass	1.07E+08	66.00	Poor
TF5.5	Spring2	AP	Chlorophyte Biomass	8.89E+08	80.37	Good
TF5.5	Spring2	AP	Picoplankton Biomass	5.93E+07	60.11	Poor
TF5.5	Spring2	AP	Cryptophyte Biomass	2.83E+07	93.87	Good
TF5.5	Spring2	AP	Cyanobacteria Abundance	2.37E+07	83.73	Poor
RET5.2	Spring2	AP	Total Biomass	1.29E+09	47.75	Fair
RET5.2	Spring2	AP	Biomass to Abundance Ratio	41.11	22.05	Poor
RET5.2	Spring2	AP	Margalef Diversity Index	1.73	40.62	Poor
RET5.2	Spring2	AP	Diatom Biomass	8.16E+08	62.00	Good
RET5.2	Spring2	AP	Dinoflagellate Biomass	2.47E+05	52.97	Fair
RET5.2	Spring2	AP	Cyanobacteria Biomass	2.06E+07	55.36	Fair
RET5.2	Spring2	AP	Chlorophyte Biomass	1.27E+08	73.43	Good
RET5.2	Spring2	AP	Picoplankton Biomass	1.29E+08	64.18	Poor
RET5.2	Spring2	AP	Cryptophyte Biomass	7.05E+07	90.26	Good
RET5.2	Spring2	AP	Cyanobacteria Abundance	3.17E+06	61.67	Poor
LE5.5	Spring2	AP	Total Biomass	3.81E+08	17.98	Poor
LE5.5	Spring2	AP	Biomass to Abundance Ratio	76.50	15.86	Poor
LE5.5	Spring2	AP	Margalef Diversity Index	2.60	67.66	Good
LE5.5	Spring2	AP	Diatom Biomass	2.51E+08	32.15	Poor
LE5.5	Spring2	AP	Dinoflagellate Biomass	1.17E+08	60.93	Poor
LE5.5	Spring2	AP	Cyanobacteria Biomass	1.77E+06	71.65	Poor
LE5.5	Spring2	AP	Chlorophyte Biomass	3.60E+05	72.62	Good
LE5.5	Spring2	AP	Picoplankton Biomass	4.36E+07	47.42	Fair
LE5.5	Spring2	AP	Cryptophyte Biomass	2.76E+07	70.26	Good
LE5.5	Spring2	AP	Cyanobacteria Abundance	2.33E+05	76.97	Poor
SBE5	Spring2	AP	Total Biomass	2.16E+08	4.67	Poor
SBE5	Spring2	AP	Biomass to Abundance Ratio	40.87	6.58	Poor
SBE5	Spring2	AP	Margalef Diversity Index	1.73	66.20	Good
SBE5	Spring2	AP	Diatom Biomass	1.32E+08	40.02	Poor
SBE5	Spring2	AP	Dinoflagellate Biomass	6.57E+06	32.37	Good
SBE5	Spring2	AP	Cyanobacteria Biomass	3.15E+06	31.59	Good
SBE5	Spring2	AP	Chlorophyte Biomass	1.38E+06	72.31	Good
SBE5	Spring2	AP	Picoplankton Biomass	1.66E+07	48.54	Fair
SBE5	Spring2	AP	Cryptophyte Biomass	3.24E+07	98.52	Good
SBE5	Spring2	AP	Cyanobacteria Abundance	3.13E+05	31.35	Good

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF4.2	Spring2	AP	Total Biomass	2.36E+08	11.16	Poor
TF4.2	Spring2	AP	Biomass to Abundance Ratio	58.76	25.69	Poor
TF4.2	Spring2	AP	Margalef Diversity Index	1.55	16.50	Poor
TF4.2	Spring2	AP	Diatom Biomass	1.45E+08	12.33	Poor
TF4.2	Spring2	AP	Dinoflagellate Biomass	5.45E+04	69.44	Poor
TF4.2	Spring2	AP	Cyanobacteria Biomass	3.66E+06	42.73	Fair
TF4.2	Spring2	AP	Chlorophyte Biomass	1.01E+07	45.25	Fair
TF4.2	Spring2	AP	Picoplankton Biomass	2.52E+07	39.11	Good
TF4.2	Spring2	AP	Cryptophyte Biomass	1.51E+07	92.99	Good
TF4.2	Spring2	AP	Cyanobacteria Abundance	5.33E+05	34.77	Good
RET4.3	Spring2	AP	Total Biomass	6.45E+08	14.79	Poor
RET4.3	Spring2	AP	Biomass to Abundance Ratio	49.50	8.75	Poor
RET4.3	Spring2	AP	Margalef Diversity Index	1.53	46.37	Fair
RET4.3	Spring2	AP	Diatom Biomass	3.15E+08	48.62	Fair
RET4.3	Spring2	AP	Dinoflagellate Biomass	1.19E+08	69.54	Poor
RET4.3	Spring2	AP	Cyanobacteria Biomass	1.14E+07	40.79	Good
RET4.3	Spring2	AP	Chlorophyte Biomass	5.19E+07	85.22	Good
RET4.3	Spring2	AP	Picoplankton Biomass	1.79E+07	50.08	Fair
RET4.3	Spring2	AP	Cryptophyte Biomass	4.47E+07	98.65	Good
RET4.3	Spring2	AP	Cyanobacteria Abundance	1.36E+06	55.40	Fair
WE4.2	Spring2	AP	Total Biomass	7.06E+08	36.03	Poor
WE4.2	Spring2	AP	Biomass to Abundance Ratio	91.77	23.39	Poor
WE4.2	Spring2	AP	Margalef Diversity Index	2.48	68.72	Good
WE4.2	Spring2	AP	Diatom Biomass	3.10E+08	39.41	Poor
WE4.2	Spring2	AP	Dinoflagellate Biomass	1.08E+08	59.62	Poor
WE4.2	Spring2	AP	Cyanobacteria Biomass	4.43E+06	77.25	Poor
WE4.2	Spring2	AP	Chlorophyte Biomass	1.23E+06	74.32	Good
WE4.2	Spring2	AP	Picoplankton Biomass	1.38E+08	55.96	Fair
WE4.2	Spring2	AP	Cryptophyte Biomass	2.23E+07	69.70	Good
WE4.2	Spring2	AP	Cyanobacteria Abundance	6.52E+05	83.44	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF3.3	Spring2	AP	Total Biomass	1.81E+09	56.02	Fair
TF3.3	Spring2	AP	Biomass to Abundance Ratio	47.92	25.60	Poor
TF3.3	Spring2	AP	Margalef Diversity Index	1.71	38.79	Poor
TF3.3	Spring2	AP	Diatom Biomass	1.28E+09	66.95	Good
TF3.3	Spring2	AP	Dinoflagellate Biomass	4.66E+07	80.18	Poor
TF3.3	Spring2	AP	Cyanobacteria Biomass	3.86E+07	59.93	Poor
TF3.3	Spring2	AP	Chlorophyte Biomass	2.49E+08	77.03	Good
TF3.3	Spring2	AP	Picoplankton Biomass	1.26E+08	63.80	Poor
TF3.3	Spring2	AP	Cryptophyte Biomass	3.96E+07	89.15	Good
TF3.3	Spring2	AP	Cyanobacteria Abundance	8.33E+06	75.92	Poor
RET3.1	Spring2	AP	Total Biomass	1.14E+09	25.04	Poor
RET3.1	Spring2	AP	Biomass to Abundance Ratio	41.63	6.76	Poor
RET3.1	Spring2	AP	Margalef Diversity Index	1.75	68.04	Good
RET3.1	Spring2	AP	Diatom Biomass	7.69E+08	57.56	Fair
RET3.1	Spring2	AP	Dinoflagellate Biomass	4.39E+06	27.80	Good
RET3.1	Spring2	AP	Cyanobacteria Biomass	5.10E+07	52.34	Fair
RET3.1	Spring2	AP	Chlorophyte Biomass	6.38E+07	85.77	Good
RET3.1	Spring2	AP	Picoplankton Biomass	1.31E+08	83.08	Poor
RET3.1	Spring2	AP	Cryptophyte Biomass	4.74E+07	98.67	Good
RET3.1	Spring2	AP	Cyanobacteria Abundance	1.50E+07	86.43	Poor
LE3.6	Spring2	AP	Total Biomass	5.52E+08	13.43	Poor
LE3.6	Spring2	AP	Biomass to Abundance Ratio	92.18	22.39	Poor
LE3.6	Spring2	AP	Margalef Diversity Index	2.07	90.43	Good
LE3.6	Spring2	AP	Diatom Biomass	3.95E+08	51.82	Fair
LE3.6	Spring2	AP	Dinoflagellate Biomass	1.39E+08	71.93	Poor
LE3.6	Spring2	AP	Cyanobacteria Biomass	4.57E+06	34.13	Good
LE3.6	Spring2	AP	Chlorophyte Biomass	7.52E+05	66.73	Good
LE3.6	Spring2	AP	Picoplankton Biomass	1.54E+08	89.89	Poor
LE3.6	Spring2	AP	Cryptophyte Biomass	3.42E+07	98.53	Good
LE3.6	Spring2	AP	Cyanobacteria Abundance	6.19E+05	41.51	Good

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
CB6.1	Spring2	AP	Total Biomass	6.68E+08	14.51	Poor
CB6.1	Spring2	AP	Biomass to Abundance Ratio	94.45	25.50	Poor
CB6.1	Spring2	AP	Margalef Diversity Index	2.32	95.97	Good
CB6.1	Spring2	AP	Diatom Biomass	3.94E+08	48.76	Fair
CB6.1	Spring2	AP	Dinoflagellate Biomass	1.13E+08	71.89	Poor
CB6.1	Spring2	AP	Cyanobacteria Biomass	4.44E+06	31.36	Good
CB6.1	Spring2	AP	Chlorophyte Biomass	1.09E+06	67.53	Good
CB6.1	Spring2	AP	Picoplankton Biomass	2.54E+07	63.11	Poor
CB6.1	Spring2	AP	Cryptophyte Biomass	1.74E+07	98.25	Good
CB6.1	Spring2	AP	Cyanobacteria Abundance	6.26E+05	38.08	Good
CB6.4	Spring2	AP	Total Biomass	7.66E+08	32.27	Poor
CB6.4	Spring2	AP	Biomass to Abundance Ratio	97.63	24.08	Poor
CB6.4	Spring2	AP	Margalef Diversity Index	2.00	23.28	Poor
CB6.4	Spring2	AP	Diatom Biomass	3.52E+08	35.45	Poor
CB6.4	Spring2	AP	Dinoflagellate Biomass	1.87E+08	71.26	Poor
CB6.4	Spring2	AP	Cyanobacteria Biomass	2.92E+06	73.43	Poor
CB6.4	Spring2	AP	Chlorophyte Biomass	2.06E+06	80.05	Good
CB6.4	Spring2	AP	Picoplankton Biomass	1.84E+08	77.52	Poor
CB6.4	Spring2	AP	Cryptophyte Biomass	2.87E+07	70.41	Good
CB6.4	Spring2	AP	Cyanobacteria Abundance	4.19E+05	79.96	Poor
CB7.3E	Spring2	AP	Total Biomass	5.29E+08	26.40	Poor
CB7.3E	Spring2	AP	Biomass to Abundance Ratio	99.11	24.78	Poor
CB7.3E	Spring2	AP	Margalef Diversity Index	2.72	76.56	Good
CB7.3E	Spring2	AP	Diatom Biomass	2.54E+08	30.85	Poor
CB7.3E	Spring2	AP	Dinoflagellate Biomass	7.49E+07	50.05	Fair
CB7.3E	Spring2	AP	Cyanobacteria Biomass	2.40E+06	73.21	Poor
CB7.3E	Spring2	AP	Chlorophyte Biomass	1.04E+05	63.00	Good
CB7.3E	Spring2	AP	Picoplankton Biomass	9.13E+07	48.45	Fair
CB7.3E	Spring2	AP	Cryptophyte Biomass	2.33E+07	69.33	Good
CB7.3E	Spring2	AP	Cyanobacteria Abundance	3.31E+05	79.27	Poor
CB7.4	Spring2	AP	Total Biomass	2.85E+08	12.42	Poor
CB7.4	Spring2	AP	Biomass to Abundance Ratio	62.63	11.06	Poor
CB7.4	Spring2	AP	Margalef Diversity Index	1.96	16.27	Poor
CB7.4	Spring2	AP	Diatom Biomass	1.91E+08	25.57	Poor
CB7.4	Spring2	AP	Dinoflagellate Biomass	1.57E+07	20.67	Good
CB7.4	Spring2	AP	Cyanobacteria Biomass	4.00E+06	76.34	Poor
CB7.4	Spring2	AP	Chlorophyte Biomass	1.83E+04	48.13	Fair
CB7.4	Spring2	AP	Picoplankton Biomass	3.89E+07	41.15	Good
CB7.4	Spring2	AP	Cryptophyte Biomass	1.73E+07	67.56	Good
CB7.4	Spring2	AP	Cyanobacteria Abundance	8.29E+05	84.31	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF5.5	Summer1	AP	Total Biomass	4.01E+09	65.92	Good
TF5.5	Summer1	AP	Biomass to Abundance Ratio	35.33	24.07	Poor
TF5.5	Summer1	AP	Margalef Diversity Index	2.78	78.20	Good
TF5.5	Summer1	AP	Diatom Biomass	2.66E+09	73.98	Good
TF5.5	Summer1	AP	Dinoflagellate Biomass	4.62E+06	74.76	Poor
TF5.5	Summer1	AP	Cyanobacteria Biomass	3.14E+08	62.16	Poor
TF5.5	Summer1	AP	Chlorophyte Biomass	1.02E+09	80.43	Good
TF5.5	Summer1	AP	Picoplankton Biomass	1.96E+08	46.21	Fair
TF5.5	Summer1	AP	Cryptophyte Biomass	4.23E+07	89.68	Good
TF5.5	Summer1	AP	Cyanobacteria Abundance	1.08E+08	85.96	Poor
RET5.2	Summer1	AP	Total Biomass	1.24E+09	47.82	Fair
RET5.2	Summer1	AP	Biomass to Abundance Ratio	36.50	28.29	Poor
RET5.2	Summer1	AP	Margalef Diversity Index	1.42	9.20	Poor
RET5.2	Summer1	AP	Diatom Biomass	7.47E+08	62.12	Good
RET5.2	Summer1	AP	Dinoflagellate Biomass	7.78E+06	62.60	Poor
RET5.2	Summer1	AP	Cyanobacteria Biomass	5.23E+07	49.25	Fair
RET5.2	Summer1	AP	Chlorophyte Biomass	3.16E+08	76.93	Good
RET5.2	Summer1	AP	Picoplankton Biomass	2.90E+08	45.12	Fair
RET5.2	Summer1	AP	Cryptophyte Biomass	3.53E+07	86.82	Good
RET5.2	Summer1	AP	Cyanobacteria Abundance	1.17E+07	63.67	Poor
LE5.5	Summer1	AP	Total Biomass	5.12E+08	38.18	Poor
LE5.5	Summer1	AP	Biomass to Abundance Ratio	93.63	37.86	Poor
LE5.5	Summer1	AP	Margalef Diversity Index	2.48	60.01	Good
LE5.5	Summer1	AP	Diatom Biomass	3.11E+08	68.10	Good
LE5.5	Summer1	AP	Dinoflagellate Biomass	1.38E+08	63.69	Poor
LE5.5	Summer1	AP	Cyanobacteria Biomass	1.35E+06	70.39	Poor
LE5.5	Summer1	AP	Chlorophyte Biomass	0.00E+00	15.87	Poor
LE5.5	Summer1	AP	Picoplankton Biomass	5.40E+08	63.63	Poor
LE5.5	Summer1	AP	Cryptophyte Biomass	1.56E+07	67.00	Good
LE5.5	Summer1	AP	Cyanobacteria Abundance	2.19E+05	74.14	Poor
SBE5	Summer1	AP	Total Biomass	2.86E+08	10.18	Poor
SBE5	Summer1	AP	Biomass to Abundance Ratio	39.00	11.09	Poor
SBE5	Summer1	AP	Margalef Diversity Index	1.64	29.38	Poor
SBE5	Summer1	AP	Diatom Biomass	1.52E+08	46.80	Fair
SBE5	Summer1	AP	Dinoflagellate Biomass	4.23E+07	45.73	Fair
SBE5	Summer1	AP	Cyanobacteria Biomass	5.13E+06	34.39	Good
SBE5	Summer1	AP	Chlorophyte Biomass	5.31E+05	77.93	Good
SBE5	Summer1	AP	Picoplankton Biomass	1.70E+08	30.41	Good
SBE5	Summer1	AP	Cryptophyte Biomass	2.08E+07	98.75	Good
SBE5	Summer1	AP	Cyanobacteria Abundance	1.20E+06	32.81	Good

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF4.2	Summer1	AP	Total Biomass	4.08E+08	20.10	Poor
TF4.2	Summer1	AP	Biomass to Abundance Ratio	37.32	25.34	Poor
TF4.2	Summer1	AP	Margalef Diversity Index	1.57	7.19	Poor
TF4.2	Summer1	AP	Diatom Biomass	2.18E+08	21.54	Poor
TF4.2	Summer1	AP	Dinoflagellate Biomass	1.46E+06	69.14	Poor
TF4.2	Summer1	AP	Cyanobacteria Biomass	6.56E+06	19.53	Good
TF4.2	Summer1	AP	Chlorophyte Biomass	5.34E+07	54.04	Fair
TF4.2	Summer1	AP	Picoplankton Biomass	2.72E+08	59.98	Poor
TF4.2	Summer1	AP	Cryptophyte Biomass	1.16E+07	86.82	Good
TF4.2	Summer1	AP	Cyanobacteria Abundance	1.02E+06	12.84	Good
RET4.3	Summer1	AP	Total Biomass	7.37E+08	24.27	Poor
RET4.3	Summer1	AP	Biomass to Abundance Ratio	31.54	8.37	Poor
RET4.3	Summer1	AP	Margalef Diversity Index	1.60	25.98	Poor
RET4.3	Summer1	AP	Diatom Biomass	4.84E+08	57.68	Good
RET4.3	Summer1	AP	Dinoflagellate Biomass	1.72E+07	32.38	Good
RET4.3	Summer1	AP	Cyanobacteria Biomass	2.05E+07	44.16	Fair
RET4.3	Summer1	AP	Chlorophyte Biomass	1.78E+07	90.23	Good
RET4.3	Summer1	AP	Picoplankton Biomass	2.64E+08	49.45	Fair
RET4.3	Summer1	AP	Cryptophyte Biomass	5.59E+07	99.07	Good
RET4.3	Summer1	AP	Cyanobacteria Abundance	2.39E+06	47.49	Fair
WE4.2	Summer1	AP	Total Biomass	5.20E+08	38.79	Poor
WE4.2	Summer1	AP	Biomass to Abundance Ratio	68.50	21.00	Poor
WE4.2	Summer1	AP	Margalef Diversity Index	2.06	25.36	Poor
WE4.2	Summer1	AP	Diatom Biomass	3.35E+08	70.29	Good
WE4.2	Summer1	AP	Dinoflagellate Biomass	4.78E+07	31.57	Good
WE4.2	Summer1	AP	Cyanobacteria Biomass	1.54E+06	71.08	Poor
WE4.2	Summer1	AP	Chlorophyte Biomass	4.75E+03	44.96	Fair
WE4.2	Summer1	AP	Picoplankton Biomass	6.21E+08	68.39	Poor
WE4.2	Summer1	AP	Cryptophyte Biomass	2.20E+07	68.75	Good
WE4.2	Summer1	AP	Cyanobacteria Abundance	3.73E+05	76.84	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF3.3	Summer1	AP	Total Biomass	2.20E+09	60.59	Good
TF3.3	Summer1	AP	Biomass to Abundance Ratio	29.29	24.55	Poor
TF3.3	Summer1	AP	Margalef Diversity Index	1.96	42.55	Fair
TF3.3	Summer1	AP	Diatom Biomass	1.22E+09	69.75	Good
TF3.3	Summer1	AP	Dinoflagellate Biomass	2.30E+07	71.41	Poor
TF3.3	Summer1	AP	Cyanobacteria Biomass	2.04E+08	64.27	Poor
TF3.3	Summer1	AP	Chlorophyte Biomass	3.27E+08	75.99	Good
TF3.3	Summer1	AP	Picoplankton Biomass	6.47E+08	74.69	Poor
TF3.3	Summer1	AP	Cryptophyte Biomass	4.73E+07	87.47	Good
TF3.3	Summer1	AP	Cyanobacteria Abundance	4.07E+07	79.84	Poor
RET3.1	Summer1	AP	Total Biomass	1.11E+09	33.77	Poor
RET3.1	Summer1	AP	Biomass to Abundance Ratio	28.63	7.34	Poor
RET3.1	Summer1	AP	Margalef Diversity Index	2.00	64.28	Good
RET3.1	Summer1	AP	Diatom Biomass	6.17E+08	59.75	Good
RET3.1	Summer1	AP	Dinoflagellate Biomass	1.43E+07	29.34	Good
RET3.1	Summer1	AP	Cyanobacteria Biomass	8.18E+07	54.35	Fair
RET3.1	Summer1	AP	Chlorophyte Biomass	4.40E+07	91.52	Good
RET3.1	Summer1	AP	Picoplankton Biomass	1.04E+09	92.33	Poor
RET3.1	Summer1	AP	Cryptophyte Biomass	5.39E+07	99.06	Good
RET3.1	Summer1	AP	Cyanobacteria Abundance	1.72E+07	84.17	Poor
LE3.6	Summer1	AP	Total Biomass	7.81E+08	25.65	Poor
LE3.6	Summer1	AP	Biomass to Abundance Ratio	82.28	27.46	Poor
LE3.6	Summer1	AP	Margalef Diversity Index	2.45	90.00	Good
LE3.6	Summer1	AP	Diatom Biomass	3.11E+08	53.54	Fair
LE3.6	Summer1	AP	Dinoflagellate Biomass	2.11E+08	72.87	Poor
LE3.6	Summer1	AP	Cyanobacteria Biomass	4.87E+06	34.05	Good
LE3.6	Summer1	AP	Chlorophyte Biomass	0.00E+00	17.38	Poor
LE3.6	Summer1	AP	Picoplankton Biomass	6.62E+08	83.99	Poor
LE3.6	Summer1	AP	Cryptophyte Biomass	3.10E+07	98.89	Good
LE3.6	Summer1	AP	Cyanobacteria Abundance	6.41E+05	21.75	Good

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
CB6.1	Summer1	AP	Total Biomass	5.53E+08	19.07	Poor
CB6.1	Summer1	AP	Biomass to Abundance Ratio	137.76	45.04	Fair
CB6.1	Summer1	AP	Margalef Diversity Index	2.63	94.20	Good
CB6.1	Summer1	AP	Diatom Biomass	2.75E+08	52.41	Fair
CB6.1	Summer1	AP	Dinoflagellate Biomass	1.56E+08	68.57	Poor
CB6.1	Summer1	AP	Cyanobacteria Biomass	3.04E+06	30.99	Good
CB6.1	Summer1	AP	Chlorophyte Biomass	2.15E+05	77.25	Good
CB6.1	Summer1	AP	Picoplankton Biomass	7.10E+08	85.66	Poor
CB6.1	Summer1	AP	Cryptophyte Biomass	1.48E+07	98.62	Good
CB6.1	Summer1	AP	Cyanobacteria Abundance	4.84E+05	17.77	Good
CB6.4	Summer1	AP	Total Biomass	8.50E+08	58.49	Fair
CB6.4	Summer1	AP	Biomass to Abundance Ratio	98.77	41.49	Fair
CB6.4	Summer1	AP	Margalef Diversity Index	2.06	24.67	Poor
CB6.4	Summer1	AP	Diatom Biomass	1.70E+08	49.57	Fair
CB6.4	Summer1	AP	Dinoflagellate Biomass	2.90E+08	81.30	Poor
CB6.4	Summer1	AP	Cyanobacteria Biomass	4.07E+06	75.92	Poor
CB6.4	Summer1	AP	Chlorophyte Biomass	8.45E+05	83.52	Good
CB6.4	Summer1	AP	Picoplankton Biomass	7.32E+08	72.21	Poor
CB6.4	Summer1	AP	Cryptophyte Biomass	2.31E+07	68.95	Good
CB6.4	Summer1	AP	Cyanobacteria Abundance	5.84E+05	80.16	Poor
CB7.3E	Summer1	AP	Total Biomass	5.23E+08	38.89	Poor
CB7.3E	Summer1	AP	Biomass to Abundance Ratio	68.20	20.69	Poor
CB7.3E	Summer1	AP	Margalef Diversity Index	2.42	54.34	Fair
CB7.3E	Summer1	AP	Diatom Biomass	3.02E+08	67.41	Good
CB7.3E	Summer1	AP	Dinoflagellate Biomass	1.16E+08	58.64	Fair
CB7.3E	Summer1	AP	Cyanobacteria Biomass	2.82E+06	74.13	Poor
CB7.3E	Summer1	AP	Chlorophyte Biomass	7.31E+02	38.98	Poor
CB7.3E	Summer1	AP	Picoplankton Biomass	4.72E+08	59.19	Poor
CB7.3E	Summer1	AP	Cryptophyte Biomass	1.99E+07	68.38	Good
CB7.3E	Summer1	AP	Cyanobacteria Abundance	4.69E+05	78.89	Poor
CB7.4	Summer1	AP	Total Biomass	5.73E+08	42.12	Fair
CB7.4	Summer1	AP	Biomass to Abundance Ratio	70.72	22.34	Poor
CB7.4	Summer1	AP	Margalef Diversity Index	2.08	25.99	Poor
CB7.4	Summer1	AP	Diatom Biomass	3.33E+08	69.89	Good
CB7.4	Summer1	AP	Dinoflagellate Biomass	7.21E+07	43.77	Fair
CB7.4	Summer1	AP	Cyanobacteria Biomass	4.38E+06	76.26	Poor
CB7.4	Summer1	AP	Chlorophyte Biomass	0.00E+00	15.87	Poor
CB7.4	Summer1	AP	Picoplankton Biomass	3.42E+08	48.03	Fair
CB7.4	Summer1	AP	Cryptophyte Biomass	1.12E+07	65.41	Fair
CB7.4	Summer1	AP	Cyanobacteria Abundance	7.70E+05	81.62	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF5.5	Summer2	AP	Total Biomass	3.96E+09	65.89	Good
TF5.5	Summer2	AP	Biomass to Abundance Ratio	33.60	26.10	Poor
TF5.5	Summer2	AP	Margalef Diversity Index	2.76	73.81	Good
TF5.5	Summer2	AP	Diatom Biomass	2.34E+09	74.47	Good
TF5.5	Summer2	AP	Dinoflagellate Biomass	4.97E+06	73.58	Poor
TF5.5	Summer2	AP	Cyanobacteria Biomass	2.79E+08	59.20	Fair
TF5.5	Summer2	AP	Chlorophyte Biomass	7.48E+08	79.48	Good
TF5.5	Summer2	AP	Picoplankton Biomass	1.40E+08	40.71	Good
TF5.5	Summer2	AP	Cryptophyte Biomass	3.96E+07	87.43	Good
TF5.5	Summer2	AP	Cyanobacteria Abundance	8.12E+07	81.52	Poor
RET5.2	Summer2	AP	Total Biomass	1.21E+09	47.94	Fair
RET5.2	Summer2	AP	Biomass to Abundance Ratio	33.86	30.78	Poor
RET5.2	Summer2	AP	Margalef Diversity Index	1.37	5.94	Poor
RET5.2	Summer2	AP	Diatom Biomass	5.65E+08	62.07	Good
RET5.2	Summer2	AP	Dinoflagellate Biomass	5.56E+06	54.85	Fair
RET5.2	Summer2	AP	Cyanobacteria Biomass	5.04E+07	48.27	Fair
RET5.2	Summer2	AP	Chlorophyte Biomass	2.39E+08	74.18	Good
RET5.2	Summer2	AP	Picoplankton Biomass	2.39E+08	39.58	Good
RET5.2	Summer2	AP	Cryptophyte Biomass	3.24E+07	86.06	Good
RET5.2	Summer2	AP	Cyanobacteria Abundance	1.07E+07	59.16	Poor
LE5.5	Summer2	AP	Total Biomass	5.44E+08	41.44	Fair
LE5.5	Summer2	AP	Biomass to Abundance Ratio	81.64	30.29	Poor
LE5.5	Summer2	AP	Margalef Diversity Index	2.39	53.28	Fair
LE5.5	Summer2	AP	Diatom Biomass	3.92E+08	76.54	Good
LE5.5	Summer2	AP	Dinoflagellate Biomass	1.46E+08	66.66	Poor
LE5.5	Summer2	AP	Cyanobacteria Biomass	1.40E+06	70.48	Poor
LE5.5	Summer2	AP	Chlorophyte Biomass	3.00E+04	81.39	Good
LE5.5	Summer2	AP	Picoplankton Biomass	6.12E+08	68.66	Poor
LE5.5	Summer2	AP	Cryptophyte Biomass	1.19E+07	66.63	Fair
LE5.5	Summer2	AP	Cyanobacteria Abundance	2.67E+05	73.93	Poor
SBE5	Summer2	AP	Total Biomass	2.85E+08	13.27	Poor
SBE5	Summer2	AP	Biomass to Abundance Ratio	38.65	15.19	Poor
SBE5	Summer2	AP	Margalef Diversity Index	1.70	35.10	Poor
SBE5	Summer2	AP	Diatom Biomass	1.43E+08	45.28	Fair
SBE5	Summer2	AP	Dinoflagellate Biomass	5.93E+07	55.90	Fair
SBE5	Summer2	AP	Cyanobacteria Biomass	5.18E+06	40.10	Good
SBE5	Summer2	AP	Chlorophyte Biomass	1.82E+06	83.48	Good
SBE5	Summer2	AP	Picoplankton Biomass	1.91E+08	39.64	Good
SBE5	Summer2	AP	Cryptophyte Biomass	1.88E+07	98.78	Good
SBE5	Summer2	AP	Cyanobacteria Abundance	1.25E+06	28.30	Good

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF4.2	Summer2	AP	Total Biomass	4.53E+08	22.69	Poor
TF4.2	Summer2	AP	Biomass to Abundance Ratio	39.73	30.83	Poor
TF4.2	Summer2	AP	Margalef Diversity Index	1.34	2.54	Poor
TF4.2	Summer2	AP	Diatom Biomass	3.51E+08	33.20	Poor
TF4.2	Summer2	AP	Dinoflagellate Biomass	1.44E+06	67.27	Poor
TF4.2	Summer2	AP	Cyanobacteria Biomass	8.64E+06	18.90	Good
TF4.2	Summer2	AP	Chlorophyte Biomass	1.36E+08	62.73	Good
TF4.2	Summer2	AP	Picoplankton Biomass	2.55E+08	62.84	Poor
TF4.2	Summer2	AP	Cryptophyte Biomass	1.22E+07	84.45	Good
TF4.2	Summer2	AP	Cyanobacteria Abundance	7.36E+05	6.67	Good
RET4.3	Summer2	AP	Total Biomass	5.85E+08	24.28	Poor
RET4.3	Summer2	AP	Biomass to Abundance Ratio	31.45	11.88	Poor
RET4.3	Summer2	AP	Margalef Diversity Index	1.60	26.41	Poor
RET4.3	Summer2	AP	Diatom Biomass	4.91E+08	57.91	Good
RET4.3	Summer2	AP	Dinoflagellate Biomass	1.03E+07	30.28	Good
RET4.3	Summer2	AP	Cyanobacteria Biomass	2.86E+07	51.32	Fair
RET4.3	Summer2	AP	Chlorophyte Biomass	1.75E+07	89.32	Good
RET4.3	Summer2	AP	Picoplankton Biomass	2.64E+08	54.39	Fair
RET4.3	Summer2	AP	Cryptophyte Biomass	5.86E+07	99.13	Good
RET4.3	Summer2	AP	Cyanobacteria Abundance	2.40E+06	42.21	Fair
WE4.2	Summer2	AP	Total Biomass	4.93E+08	37.64	Poor
WE4.2	Summer2	AP	Biomass to Abundance Ratio	51.96	11.79	Poor
WE4.2	Summer2	AP	Margalef Diversity Index	2.18	35.50	Poor
WE4.2	Summer2	AP	Diatom Biomass	3.41E+08	73.21	Good
WE4.2	Summer2	AP	Dinoflagellate Biomass	3.76E+07	27.80	Good
WE4.2	Summer2	AP	Cyanobacteria Biomass	1.13E+06	69.35	Poor
WE4.2	Summer2	AP	Chlorophyte Biomass	0.00E+00	16.76	Poor
WE4.2	Summer2	AP	Picoplankton Biomass	6.64E+08	71.02	Poor
WE4.2	Summer2	AP	Cryptophyte Biomass	1.71E+07	68.40	Good
WE4.2	Summer2	AP	Cyanobacteria Abundance	1.77E+05	71.14	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF3.3	Summer2	AP	Total Biomass	2.72E+09	67.07	Good
TF3.3	Summer2	AP	Biomass to Abundance Ratio	34.24	31.83	Poor
TF3.3	Summer2	AP	Margalef Diversity Index	1.96	37.29	Poor
TF3.3	Summer2	AP	Diatom Biomass	1.34E+09	71.28	Good
TF3.3	Summer2	AP	Dinoflagellate Biomass	2.64E+07	72.08	Poor
TF3.3	Summer2	AP	Cyanobacteria Biomass	2.00E+08	63.45	Poor
TF3.3	Summer2	AP	Chlorophyte Biomass	3.02E+08	74.11	Good
TF3.3	Summer2	AP	Picoplankton Biomass	6.38E+08	76.90	Poor
TF3.3	Summer2	AP	Cryptophyte Biomass	4.33E+07	86.65	Good
TF3.3	Summer2	AP	Cyanobacteria Abundance	3.83E+07	77.56	Poor
RET3.1	Summer2	AP	Total Biomass	1.11E+09	38.20	Poor
RET3.1	Summer2	AP	Biomass to Abundance Ratio	30.46	11.43	Poor
RET3.1	Summer2	AP	Margalef Diversity Index	2.03	65.03	Good
RET3.1	Summer2	AP	Diatom Biomass	5.13E+08	58.34	Good
RET3.1	Summer2	AP	Dinoflagellate Biomass	1.80E+07	37.98	Good
RET3.1	Summer2	AP	Cyanobacteria Biomass	7.17E+07	57.39	Fair
RET3.1	Summer2	AP	Chlorophyte Biomass	1.98E+07	89.59	Good
RET3.1	Summer2	AP	Picoplankton Biomass	1.04E+09	93.84	Poor
RET3.1	Summer2	AP	Cryptophyte Biomass	5.45E+07	99.11	Good
RET3.1	Summer2	AP	Cyanobacteria Abundance	1.55E+07	81.06	Poor
LE3.6	Summer2	AP	Total Biomass	8.30E+08	31.51	Poor
LE3.6	Summer2	AP	Biomass to Abundance Ratio	84.17	34.62	Poor
LE3.6	Summer2	AP	Margalef Diversity Index	2.50	89.56	Good
LE3.6	Summer2	AP	Diatom Biomass	3.64E+08	54.70	Fair
LE3.6	Summer2	AP	Dinoflagellate Biomass	2.62E+08	75.57	Poor
LE3.6	Summer2	AP	Cyanobacteria Biomass	7.16E+06	42.17	Fair
LE3.6	Summer2	AP	Chlorophyte Biomass	0.00E+00	16.93	Poor
LE3.6	Summer2	AP	Picoplankton Biomass	8.85E+08	90.66	Poor
LE3.6	Summer2	AP	Cryptophyte Biomass	2.49E+07	98.86	Good
LE3.6	Summer2	AP	Cyanobacteria Abundance	1.10E+06	25.81	Good

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
CB6.1	Summer2	AP	Total Biomass	7.10E+08	27.88	Poor
CB6.1	Summer2	AP	Biomass to Abundance Ratio	163.00	57.25	Fair
CB6.1	Summer2	AP	Margalef Diversity Index	2.65	93.10	Good
CB6.1	Summer2	AP	Diatom Biomass	2.51E+08	51.05	Fair
CB6.1	Summer2	AP	Dinoflagellate Biomass	1.58E+08	69.75	Poor
CB6.1	Summer2	AP	Cyanobacteria Biomass	1.99E+06	34.10	Good
CB6.1	Summer2	AP	Chlorophyte Biomass	1.22E+05	71.27	Good
CB6.1	Summer2	AP	Picoplankton Biomass	7.31E+08	88.79	Poor
CB6.1	Summer2	AP	Cryptophyte Biomass	1.27E+07	98.62	Good
CB6.1	Summer2	AP	Cyanobacteria Abundance	3.34E+05	10.13	Good
CB6.4	Summer2	AP	Total Biomass	9.21E+08	62.26	Good
CB6.4	Summer2	AP	Biomass to Abundance Ratio	100.98	43.15	Fair
CB6.4	Summer2	AP	Margalef Diversity Index	2.13	31.30	Poor
CB6.4	Summer2	AP	Diatom Biomass	1.48E+08	49.05	Fair
CB6.4	Summer2	AP	Dinoflagellate Biomass	3.45E+08	85.08	Poor
CB6.4	Summer2	AP	Cyanobacteria Biomass	4.15E+06	75.81	Poor
CB6.4	Summer2	AP	Chlorophyte Biomass	9.50E+03	75.62	Good
CB6.4	Summer2	AP	Picoplankton Biomass	5.75E+08	66.79	Poor
CB6.4	Summer2	AP	Cryptophyte Biomass	1.72E+07	68.45	Good
CB6.4	Summer2	AP	Cyanobacteria Abundance	6.18E+05	79.01	Poor
CB7.3E	Summer2	AP	Total Biomass	6.20E+08	46.63	Fair
CB7.3E	Summer2	AP	Biomass to Abundance Ratio	67.13	20.67	Poor
CB7.3E	Summer2	AP	Margalef Diversity Index	2.26	42.03	Fair
CB7.3E	Summer2	AP	Diatom Biomass	3.17E+08	71.45	Good
CB7.3E	Summer2	AP	Dinoflagellate Biomass	1.18E+08	60.85	Poor
CB7.3E	Summer2	AP	Cyanobacteria Biomass	2.56E+06	73.54	Poor
CB7.3E	Summer2	AP	Chlorophyte Biomass	0.00E+00	16.76	Poor
CB7.3E	Summer2	AP	Picoplankton Biomass	5.29E+08	64.24	Poor
CB7.3E	Summer2	AP	Cryptophyte Biomass	9.61E+06	65.52	Fair
CB7.3E	Summer2	AP	Cyanobacteria Abundance	5.34E+05	78.18	Poor
CB7.4	Summer2	AP	Total Biomass	6.82E+08	50.43	Fair
CB7.4	Summer2	AP	Biomass to Abundance Ratio	72.76	24.33	Poor
CB7.4	Summer2	AP	Margalef Diversity Index	2.15	33.40	Poor
CB7.4	Summer2	AP	Diatom Biomass	3.67E+08	74.99	Good
CB7.4	Summer2	AP	Dinoflagellate Biomass	7.89E+07	48.68	Fair
CB7.4	Summer2	AP	Cyanobacteria Biomass	4.30E+06	75.98	Poor
CB7.4	Summer2	AP	Chlorophyte Biomass	0.00E+00	16.76	Poor
CB7.4	Summer2	AP	Picoplankton Biomass	3.80E+08	53.33	Fair
CB7.4	Summer2	AP	Cryptophyte Biomass	1.21E+07	66.69	Good
CB7.4	Summer2	AP	Cyanobacteria Abundance	7.39E+05	80.00	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF5.5	Winter	AP	Total Biomass	1.11E+09	57.98	Fair
TF5.5	Winter	AP	Biomass to Abundance Ratio	77.50	28.82	Poor
TF5.5	Winter	AP	Margalef Diversity Index	1.79	30.82	Poor
TF5.5	Winter	AP	Diatom Biomass	9.24E+08	68.98	Good
TF5.5	Winter	AP	Dinoflagellate Biomass	5.29E+05	73.87	Poor
TF5.5	Winter	AP	Cyanobacteria Biomass	1.65E+07	73.63	Poor
TF5.5	Winter	AP	Chlorophyte Biomass	6.55E+07	76.52	Good
TF5.5	Winter	AP	Picoplankton Biomass	5.82E+06	65.35	Poor
TF5.5	Winter	AP	Cryptophyte Biomass	5.42E+07	88.39	Good
TF5.5	Winter	AP	Cyanobacteria Abundance	2.69E+06	79.88	Poor
RET5.2	Winter	AP	Total Biomass	1.34E+09	77.99	Good
RET5.2	Winter	AP	Biomass to Abundance Ratio	51.78	41.18	Fair
RET5.2	Winter	AP	Margalef Diversity Index	2.22	80.81	Good
RET5.2	Winter	AP	Diatom Biomass	1.04E+09	83.87	Good
RET5.2	Winter	AP	Dinoflagellate Biomass	5.63E+05	70.86	Poor
RET5.2	Winter	AP	Cyanobacteria Biomass	2.24E+07	73.80	Poor
RET5.2	Winter	AP	Chlorophyte Biomass	2.42E+08	88.08	Good
RET5.2	Winter	AP	Picoplankton Biomass	6.65E+06	45.76	Fair
RET5.2	Winter	AP	Cryptophyte Biomass	3.77E+07	78.46	Good
RET5.2	Winter	AP	Cyanobacteria Abundance	1.31E+07	85.94	Poor
LE5.5	Winter	AP	Total Biomass	6.08E+08	46.07	Fair
LE5.5	Winter	AP	Biomass to Abundance Ratio	108.19	46.55	Fair
LE5.5	Winter	AP	Margalef Diversity Index	2.92	61.62	Good
LE5.5	Winter	AP	Diatom Biomass	4.95E+08	52.67	Fair
LE5.5	Winter	AP	Dinoflagellate Biomass	5.42E+07	61.52	Poor
LE5.5	Winter	AP	Cyanobacteria Biomass	1.08E+06	82.70	Poor
LE5.5	Winter	AP	Chlorophyte Biomass	2.88E+06	92.78	Good
LE5.5	Winter	AP	Picoplankton Biomass	8.31E+06	57.56	Fair
LE5.5	Winter	AP	Cryptophyte Biomass	1.58E+07	66.78	Good
LE5.5	Winter	AP	Cyanobacteria Abundance	1.42E+05	88.54	Poor
SBE5	Winter	AP	Total Biomass	3.87E+08	21.34	Poor
SBE5	Winter	AP	Biomass to Abundance Ratio	63.89	29.80	Poor
SBE5	Winter	AP	Margalef Diversity Index	2.55	66.50	Good
SBE5	Winter	AP	Diatom Biomass	3.01E+08	40.81	Poor
SBE5	Winter	AP	Dinoflagellate Biomass	4.92E+07	69.05	Poor
SBE5	Winter	AP	Cyanobacteria Biomass	2.43E+06	63.12	Poor
SBE5	Winter	AP	Chlorophyte Biomass	2.15E+06	87.14	Good
SBE5	Winter	AP	Picoplankton Biomass	2.44E+06	30.89	Good
SBE5	Winter	AP	Cryptophyte Biomass	1.41E+07	96.98	Good
SBE5	Winter	AP	Cyanobacteria Abundance	3.64E+05	68.37	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF4.2	Winter	AP	Total Biomass	2.05E+08	21.40	Poor
TF4.2	Winter	AP	Biomass to Abundance Ratio	47.42	15.63	Poor
TF4.2	Winter	AP	Margalef Diversity Index	2.49	82.28	Good
TF4.2	Winter	AP	Diatom Biomass	1.06E+08	18.70	Poor
TF4.2	Winter	AP	Dinoflagellate Biomass	9.97E+06	78.65	Poor
TF4.2	Winter	AP	Cyanobacteria Biomass	7.71E+06	70.01	Poor
TF4.2	Winter	AP	Chlorophyte Biomass	3.61E+06	61.30	Fair
TF4.2	Winter	AP	Picoplankton Biomass	2.22E+06	38.06	Fair
TF4.2	Winter	AP	Cryptophyte Biomass	2.79E+07	86.98	Good
TF4.2	Winter	AP	Cyanobacteria Abundance	9.10E+05	72.68	Poor
RET4.3	Winter	AP	Total Biomass	8.87E+08	35.78	Poor
RET4.3	Winter	AP	Biomass to Abundance Ratio	74.41	35.24	Poor
RET4.3	Winter	AP	Margalef Diversity Index	2.25	55.07	Fair
RET4.3	Winter	AP	Diatom Biomass	8.12E+08	62.57	Fair
RET4.3	Winter	AP	Dinoflagellate Biomass	3.75E+07	54.57	Fair
RET4.3	Winter	AP	Cyanobacteria Biomass	5.34E+06	66.46	Poor
RET4.3	Winter	AP	Chlorophyte Biomass	1.14E+07	90.65	Good
RET4.3	Winter	AP	Picoplankton Biomass	3.10E+06	38.32	Fair
RET4.3	Winter	AP	Cryptophyte Biomass	2.05E+07	97.10	Good
RET4.3	Winter	AP	Cyanobacteria Abundance	5.47E+05	70.87	Poor
WE4.2	Winter	AP	Total Biomass	4.54E+08	34.39	Poor
WE4.2	Winter	AP	Biomass to Abundance Ratio	88.46	36.59	Poor
WE4.2	Winter	AP	Margalef Diversity Index	2.56	33.21	Poor
WE4.2	Winter	AP	Diatom Biomass	3.38E+08	40.75	Poor
WE4.2	Winter	AP	Dinoflagellate Biomass	5.37E+07	60.09	Poor
WE4.2	Winter	AP	Cyanobacteria Biomass	1.93E+06	85.07	Poor
WE4.2	Winter	AP	Chlorophyte Biomass	2.08E+05	78.09	Good
WE4.2	Winter	AP	Picoplankton Biomass	1.16E+07	68.09	Poor
WE4.2	Winter	AP	Cryptophyte Biomass	1.34E+07	65.70	Fair
WE4.2	Winter	AP	Cyanobacteria Abundance	2.70E+05	90.87	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF3.3	Winter	AP	Total Biomass	3.76E+08	50.40	Fair
TF3.3	Winter	AP	Biomass to Abundance Ratio	32.09	26.71	Poor
TF3.3	Winter	AP	Margalef Diversity Index	1.79	50.93	Fair
TF3.3	Winter	AP	Diatom Biomass	2.30E+08	57.46	Fair
TF3.3	Winter	AP	Dinoflagellate Biomass	1.41E+06	45.03	Fair
TF3.3	Winter	AP	Cyanobacteria Biomass	1.27E+07	70.23	Poor
TF3.3	Winter	AP	Chlorophyte Biomass	9.34E+07	81.25	Good
TF3.3	Winter	AP	Picoplankton Biomass	1.18E+07	64.14	Poor
TF3.3	Winter	AP	Cryptophyte Biomass	3.32E+07	77.01	Good
TF3.3	Winter	AP	Cyanobacteria Abundance	2.23E+06	77.25	Poor
RET3.1	Winter	AP	Total Biomass	6.96E+08	28.96	Poor
RET3.1	Winter	AP	Biomass to Abundance Ratio	67.09	31.55	Poor
RET3.1	Winter	AP	Margalef Diversity Index	1.88	36.48	Poor
RET3.1	Winter	AP	Diatom Biomass	2.92E+08	36.51	Poor
RET3.1	Winter	AP	Dinoflagellate Biomass	3.14E+08	82.55	Poor
RET3.1	Winter	AP	Cyanobacteria Biomass	7.84E+06	67.78	Poor
RET3.1	Winter	AP	Chlorophyte Biomass	3.53E+07	91.37	Good
RET3.1	Winter	AP	Picoplankton Biomass	7.06E+06	72.91	Poor
RET3.1	Winter	AP	Cryptophyte Biomass	4.18E+07	97.43	Good
RET3.1	Winter	AP	Cyanobacteria Abundance	2.49E+06	75.69	Poor
LE3.6	Winter	AP	Total Biomass	8.09E+08	36.06	Poor
LE3.6	Winter	AP	Biomass to Abundance Ratio	132.13	59.36	Fair
LE3.6	Winter	AP	Margalef Diversity Index	2.64	81.59	Good
LE3.6	Winter	AP	Diatom Biomass	6.16E+08	62.19	Good
LE3.6	Winter	AP	Dinoflagellate Biomass	1.67E+08	82.35	Poor
LE3.6	Winter	AP	Cyanobacteria Biomass	2.48E+06	63.27	Poor
LE3.6	Winter	AP	Chlorophyte Biomass	4.49E+05	82.63	Good
LE3.6	Winter	AP	Picoplankton Biomass	2.15E+07	94.69	Poor
LE3.6	Winter	AP	Cryptophyte Biomass	1.05E+07	96.76	Good
LE3.6	Winter	AP	Cyanobacteria Abundance	2.13E+05	64.93	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
CB6.1	Winter	AP	Total Biomass	3.85E+08	21.57	Poor
CB6.1	Winter	AP	Biomass to Abundance Ratio	61.75	28.65	Poor
CB6.1	Winter	AP	Margalef Diversity Index	2.56	77.90	Good
CB6.1	Winter	AP	Diatom Biomass	3.33E+08	44.85	Fair
CB6.1	Winter	AP	Dinoflagellate Biomass	2.75E+07	61.29	Poor
CB6.1	Winter	AP	Cyanobacteria Biomass	1.51E+06	61.04	Poor
CB6.1	Winter	AP	Chlorophyte Biomass	1.76E+05	79.37	Good
CB6.1	Winter	AP	Picoplankton Biomass	1.99E+07	94.01	Poor
CB6.1	Winter	AP	Cryptophyte Biomass	1.23E+07	96.89	Good
CB6.1	Winter	AP	Cyanobacteria Abundance	1.99E+05	64.47	Poor
CB6.4	Winter	AP	Total Biomass	5.25E+08	40.08	Poor
CB6.4	Winter	AP	Biomass to Abundance Ratio	97.20	41.68	Fair
CB6.4	Winter	AP	Margalef Diversity Index	2.97	65.74	Good
CB6.4	Winter	AP	Diatom Biomass	4.06E+08	46.23	Fair
CB6.4	Winter	AP	Dinoflagellate Biomass	8.98E+07	70.91	Poor
CB6.4	Winter	AP	Cyanobacteria Biomass	1.13E+06	82.86	Poor
CB6.4	Winter	AP	Chlorophyte Biomass	3.63E+05	53.23	Fair
CB6.4	Winter	AP	Picoplankton Biomass	7.15E+06	46.70	Fair
CB6.4	Winter	AP	Cryptophyte Biomass	1.79E+07	67.53	Good
CB6.4	Winter	AP	Cyanobacteria Abundance	1.49E+05	88.68	Poor
CB7.3E	Winter	AP	Total Biomass	3.71E+08	27.07	Poor
CB7.3E	Winter	AP	Biomass to Abundance Ratio	76.74	29.60	Poor
CB7.3E	Winter	AP	Margalef Diversity Index	2.53	31.00	Poor
CB7.3E	Winter	AP	Diatom Biomass	3.20E+08	39.31	Poor
CB7.3E	Winter	AP	Dinoflagellate Biomass	2.19E+07	43.94	Fair
CB7.3E	Winter	AP	Cyanobacteria Biomass	1.05E+06	82.67	Poor
CB7.3E	Winter	AP	Chlorophyte Biomass	5.51E+03	66.59	Good
CB7.3E	Winter	AP	Picoplankton Biomass	1.54E+07	75.65	Poor
CB7.3E	Winter	AP	Cryptophyte Biomass	1.75E+07	67.37	Good
CB7.3E	Winter	AP	Cyanobacteria Abundance	1.71E+05	89.28	Poor
CB7.4	Winter	AP	Total Biomass	6.76E+08	49.15	Fair
CB7.4	Winter	AP	Biomass to Abundance Ratio	103.58	45.27	Fair
CB7.4	Winter	AP	Margalef Diversity Index	2.45	26.98	Poor
CB7.4	Winter	AP	Diatom Biomass	6.47E+08	59.40	Good
CB7.4	Winter	AP	Dinoflagellate Biomass	1.23E+07	32.64	Good
CB7.4	Winter	AP	Cyanobacteria Biomass	1.29E+06	83.52	Poor
CB7.4	Winter	AP	Chlorophyte Biomass	1.19E+05	73.70	Good
CB7.4	Winter	AP	Picoplankton Biomass	1.70E+07	79.20	Poor
CB7.4	Winter	AP	Cryptophyte Biomass	2.00E+07	68.24	Good
CB7.4	Winter	AP	Cyanobacteria Abundance	2.02E+05	89.88	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF5.5	Annual	BP	Total Biomass	3.73E+09	72.42	Good
TF5.5	Annual	BP	Biomass to Abundance Ratio	53.49	29.12	Poor
TF5.5	Annual	BP	Margalef Diversity Index	2.24	63.14	Good
TF5.5	Annual	BP	Diatom Biomass	1.94E+09	71.30	Good
TF5.5	Annual	BP	Dinoflagellate Biomass	4.44E+05	83.35	Poor
TF5.5	Annual	BP	Cyanobacteria Biomass	1.30E+08	72.28	Poor
TF5.5	Annual	BP	Chlorophyte Biomass	7.19E+08	81.59	Good
TF5.5	Annual	BP	Picoplankton Biomass	8.33E+07	77.48	Poor
TF5.5	Annual	BP	Cryptophyte Biomass	5.12E+07	92.43	Good
TF5.5	Annual	BP	Cyanobacteria Abundance	2.59E+07	80.53	Poor
RET5.2	Annual	BP	Total Biomass	1.28E+09	63.90	Good
RET5.2	Annual	BP	Biomass to Abundance Ratio	50.89	38.92	Poor
RET5.2	Annual	BP	Margalef Diversity Index	1.64	46.64	Fair
RET5.2	Annual	BP	Diatom Biomass	9.12E+08	69.90	Good
RET5.2	Annual	BP	Dinoflagellate Biomass	4.11E+06	71.93	Poor
RET5.2	Annual	BP	Cyanobacteria Biomass	2.66E+07	67.34	Poor
RET5.2	Annual	BP	Chlorophyte Biomass	1.50E+08	79.29	Good
RET5.2	Annual	BP	Picoplankton Biomass	9.70E+07	66.27	Poor
RET5.2	Annual	BP	Cryptophyte Biomass	3.92E+07	86.59	Good
RET5.2	Annual	BP	Cyanobacteria Abundance	3.59E+06	68.61	Poor
LE5.5	Annual	BP	Total Biomass	3.83E+08	45.15	Fair
LE5.5	Annual	BP	Biomass to Abundance Ratio	83.41	32.64	Poor
LE5.5	Annual	BP	Margalef Diversity Index	2.59	52.90	Fair
LE5.5	Annual	BP	Diatom Biomass	3.19E+08	57.53	Good
LE5.5	Annual	BP	Dinoflagellate Biomass	5.91E+07	67.38	Poor
LE5.5	Annual	BP	Cyanobacteria Biomass	2.01E+06	84.56	Poor
LE5.5	Annual	BP	Chlorophyte Biomass	2.00E+05	84.95	Good
LE5.5	Annual	BP	Picoplankton Biomass	2.89E+07	43.71	Good
LE5.5	Annual	BP	Cryptophyte Biomass	1.76E+07	70.83	Good
LE5.5	Annual	BP	Cyanobacteria Abundance	2.33E+05	87.11	Poor
SBE5	Annual	BP	Total Biomass	2.18E+08	21.28	Poor
SBE5	Annual	BP	Biomass to Abundance Ratio	46.19	15.68	Poor
SBE5	Annual	BP	Margalef Diversity Index	1.86	55.61	Fair
SBE5	Annual	BP	Diatom Biomass	1.46E+08	44.83	Fair
SBE5	Annual	BP	Dinoflagellate Biomass	1.20E+07	65.35	Poor
SBE5	Annual	BP	Cyanobacteria Biomass	1.62E+06	56.70	Poor
SBE5	Annual	BP	Chlorophyte Biomass	1.49E+06	86.65	Good
SBE5	Annual	BP	Picoplankton Biomass	1.04E+07	32.06	Good
SBE5	Annual	BP	Cryptophyte Biomass	1.63E+07	98.73	Good
SBE5	Annual	BP	Cyanobacteria Abundance	2.84E+05	59.74	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF4.2	Annual	BP	Total Biomass	6.06E+08	39.82	Poor
TF4.2	Annual	BP	Biomass to Abundance Ratio	56.41	30.53	Poor
TF4.2	Annual	BP	Margalef Diversity Index	1.55	16.83	Poor
TF4.2	Annual	BP	Diatom Biomass	3.75E+08	42.00	Poor
TF4.2	Annual	BP	Dinoflagellate Biomass	4.36E+05	83.29	Poor
TF4.2	Annual	BP	Cyanobacteria Biomass	8.68E+06	56.92	Poor
TF4.2	Annual	BP	Chlorophyte Biomass	6.79E+07	67.69	Good
TF4.2	Annual	BP	Picoplankton Biomass	2.74E+07	55.22	Fair
TF4.2	Annual	BP	Cryptophyte Biomass	2.27E+07	91.07	Good
TF4.2	Annual	BP	Cyanobacteria Abundance	1.48E+06	56.99	Poor
RET4.3	Annual	BP	Total Biomass	1.05E+09	52.04	Fair
RET4.3	Annual	BP	Biomass to Abundance Ratio	46.32	15.73	Poor
RET4.3	Annual	BP	Margalef Diversity Index	1.59	31.76	Poor
RET4.3	Annual	BP	Diatom Biomass	7.29E+08	63.98	Good
RET4.3	Annual	BP	Dinoflagellate Biomass	7.10E+06	61.19	Poor
RET4.3	Annual	BP	Cyanobacteria Biomass	1.27E+07	66.73	Poor
RET4.3	Annual	BP	Chlorophyte Biomass	6.15E+06	90.01	Good
RET4.3	Annual	BP	Picoplankton Biomass	3.84E+07	59.57	Poor
RET4.3	Annual	BP	Cryptophyte Biomass	3.97E+07	99.03	Good
RET4.3	Annual	BP	Cyanobacteria Abundance	1.84E+06	73.91	Poor
WE4.2	Annual	BP	Total Biomass	5.39E+08	55.82	Fair
WE4.2	Annual	BP	Biomass to Abundance Ratio	105.89	44.77	Fair
WE4.2	Annual	BP	Margalef Diversity Index	2.46	40.84	Poor
WE4.2	Annual	BP	Diatom Biomass	4.22E+08	64.41	Good
WE4.2	Annual	BP	Dinoflagellate Biomass	4.63E+07	64.68	Poor
WE4.2	Annual	BP	Cyanobacteria Biomass	2.16E+06	84.83	Poor
WE4.2	Annual	BP	Chlorophyte Biomass	3.41E+05	87.30	Good
WE4.2	Annual	BP	Picoplankton Biomass	5.08E+07	55.99	Poor
WE4.2	Annual	BP	Cryptophyte Biomass	1.65E+07	70.59	Good
WE4.2	Annual	BP	Cyanobacteria Abundance	2.96E+05	88.06	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF3.3	Annual	BP	Total Biomass	1.51E+09	67.43	Good
TF3.3	Annual	BP	Biomass to Abundance Ratio	40.47	32.27	Poor
TF3.3	Annual	BP	Margalef Diversity Index	1.86	62.13	Good
TF3.3	Annual	BP	Diatom Biomass	1.06E+09	71.18	Good
TF3.3	Annual	BP	Dinoflagellate Biomass	2.32E+06	70.92	Poor
TF3.3	Annual	BP	Cyanobacteria Biomass	4.40E+07	69.74	Poor
TF3.3	Annual	BP	Chlorophyte Biomass	9.46E+07	76.86	Good
TF3.3	Annual	BP	Picoplankton Biomass	1.97E+08	75.89	Poor
TF3.3	Annual	BP	Cryptophyte Biomass	2.03E+07	84.86	Good
TF3.3	Annual	BP	Cyanobacteria Abundance	8.90E+06	76.35	Poor
RET3.1	Annual	BP	Total Biomass	8.57E+08	47.45	Fair
RET3.1	Annual	BP	Biomass to Abundance Ratio	43.14	14.47	Poor
RET3.1	Annual	BP	Margalef Diversity Index	1.55	28.73	Poor
RET3.1	Annual	BP	Diatom Biomass	6.52E+08	62.64	Good
RET3.1	Annual	BP	Dinoflagellate Biomass	7.96E+06	62.08	Poor
RET3.1	Annual	BP	Cyanobacteria Biomass	3.15E+07	70.74	Poor
RET3.1	Annual	BP	Chlorophyte Biomass	1.88E+07	92.14	Good
RET3.1	Annual	BP	Picoplankton Biomass	2.77E+08	88.82	Poor
RET3.1	Annual	BP	Cryptophyte Biomass	5.46E+07	99.12	Good
RET3.1	Annual	BP	Cyanobacteria Abundance	9.06E+06	83.11	Poor
LE3.6	Annual	BP	Total Biomass	6.95E+08	41.83	Poor
LE3.6	Annual	BP	Biomass to Abundance Ratio	82.01	29.10	Poor
LE3.6	Annual	BP	Margalef Diversity Index	2.38	87.14	Good
LE3.6	Annual	BP	Diatom Biomass	4.91E+08	59.15	Good
LE3.6	Annual	BP	Dinoflagellate Biomass	5.30E+07	75.74	Poor
LE3.6	Annual	BP	Cyanobacteria Biomass	2.08E+06	57.91	Poor
LE3.6	Annual	BP	Chlorophyte Biomass	7.90E+05	84.84	Good
LE3.6	Annual	BP	Picoplankton Biomass	3.11E+07	55.05	Fair
LE3.6	Annual	BP	Cryptophyte Biomass	1.83E+07	98.78	Good
LE3.6	Annual	BP	Cyanobacteria Abundance	3.00E+05	59.57	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
CB6.1	Annual	BP	Total Biomass	4.60E+08	31.65	Poor
CB6.1	Annual	BP	Biomass to Abundance Ratio	86.98	30.99	Poor
CB6.1	Annual	BP	Margalef Diversity Index	2.19	79.45	Good
CB6.1	Annual	BP	Diatom Biomass	3.46E+08	53.83	Fair
CB6.1	Annual	BP	Dinoflagellate Biomass	4.09E+07	74.95	Poor
CB6.1	Annual	BP	Cyanobacteria Biomass	2.59E+06	58.92	Poor
CB6.1	Annual	BP	Chlorophyte Biomass	2.43E+05	80.86	Good
CB6.1	Annual	BP	Picoplankton Biomass	2.44E+07	49.83	Fair
CB6.1	Annual	BP	Cryptophyte Biomass	1.42E+07	98.67	Good
CB6.1	Annual	BP	Cyanobacteria Abundance	3.84E+05	61.26	Poor
CB6.4	Annual	BP	Total Biomass	4.75E+08	51.48	Fair
CB6.4	Annual	BP	Biomass to Abundance Ratio	94.08	32.17	Poor
CB6.4	Annual	BP	Margalef Diversity Index	2.26	29.97	Poor
CB6.4	Annual	BP	Diatom Biomass	2.93E+08	54.46	Fair
CB6.4	Annual	BP	Dinoflagellate Biomass	4.66E+07	63.91	Poor
CB6.4	Annual	BP	Cyanobacteria Biomass	1.51E+06	83.43	Poor
CB6.4	Annual	BP	Chlorophyte Biomass	3.10E+05	86.33	Good
CB6.4	Annual	BP	Picoplankton Biomass	1.89E+07	34.46	Good
CB6.4	Annual	BP	Cryptophyte Biomass	1.91E+07	70.95	Good
CB6.4	Annual	BP	Cyanobacteria Abundance	2.56E+05	87.46	Poor
CB7.3E	Annual	BP	Total Biomass	5.27E+08	56.16	Fair
CB7.3E	Annual	BP	Biomass to Abundance Ratio	83.68	32.78	Poor
CB7.3E	Annual	BP	Margalef Diversity Index	2.52	47.51	Fair
CB7.3E	Annual	BP	Diatom Biomass	4.17E+08	64.32	Good
CB7.3E	Annual	BP	Dinoflagellate Biomass	3.63E+07	61.49	Poor
CB7.3E	Annual	BP	Cyanobacteria Biomass	2.41E+06	85.21	Poor
CB7.3E	Annual	BP	Chlorophyte Biomass	6.65E+04	80.57	Good
CB7.3E	Annual	BP	Picoplankton Biomass	2.36E+07	39.03	Good
CB7.3E	Annual	BP	Cryptophyte Biomass	1.44E+07	69.76	Good
CB7.3E	Annual	BP	Cyanobacteria Abundance	3.56E+05	88.70	Poor
CB7.4	Annual	BP	Total Biomass	6.61E+08	63.75	Good
CB7.4	Annual	BP	Biomass to Abundance Ratio	113.95	47.81	Fair
CB7.4	Annual	BP	Margalef Diversity Index	2.66	58.10	Good
CB7.4	Annual	BP	Diatom Biomass	4.86E+08	67.98	Good
CB7.4	Annual	BP	Dinoflagellate Biomass	4.04E+07	62.81	Poor
CB7.4	Annual	BP	Cyanobacteria Biomass	1.73E+06	84.02	Poor
CB7.4	Annual	BP	Chlorophyte Biomass	4.38E+04	78.69	Good
CB7.4	Annual	BP	Picoplankton Biomass	3.00E+07	44.62	Good
CB7.4	Annual	BP	Cryptophyte Biomass	1.28E+07	69.16	Good
CB7.4	Annual	BP	Cyanobacteria Abundance	2.27E+05	87.02	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF5.5	Fall	BP	Total Biomass	4.08E+09	79.22	Good
TF5.5	Fall	BP	Biomass to Abundance Ratio	46.33	31.57	Poor
TF5.5	Fall	BP	Margalef Diversity Index	2.10	67.05	Good
TF5.5	Fall	BP	Diatom Biomass	2.19E+09	77.82	Good
TF5.5	Fall	BP	Dinoflagellate Biomass	8.99E+04	87.38	Poor
TF5.5	Fall	BP	Cyanobacteria Biomass	1.20E+08	80.63	Poor
TF5.5	Fall	BP	Chlorophyte Biomass	1.01E+09	85.61	Good
TF5.5	Fall	BP	Picoplankton Biomass	7.95E+07	84.51	Poor
TF5.5	Fall	BP	Cryptophyte Biomass	5.46E+07	92.53	Good
TF5.5	Fall	BP	Cyanobacteria Abundance	4.91E+07	87.28	Poor
RET5.2	Fall	BP	Total Biomass	2.46E+08	36.34	Poor
RET5.2	Fall	BP	Biomass to Abundance Ratio	28.82	27.92	Poor
RET5.2	Fall	BP	Margalef Diversity Index	1.40	24.82	Poor
RET5.2	Fall	BP	Diatom Biomass	1.74E+08	58.80	Fair
RET5.2	Fall	BP	Dinoflagellate Biomass	1.29E+07	77.98	Poor
RET5.2	Fall	BP	Cyanobacteria Biomass	1.25E+07	71.51	Poor
RET5.2	Fall	BP	Chlorophyte Biomass	6.13E+06	62.04	Good
RET5.2	Fall	BP	Picoplankton Biomass	7.39E+07	63.37	Poor
RET5.2	Fall	BP	Cryptophyte Biomass	3.89E+07	81.82	Good
RET5.2	Fall	BP	Cyanobacteria Abundance	1.49E+06	63.62	Poor
LE5.5	Fall	BP	Total Biomass	3.11E+08	65.53	Good
LE5.5	Fall	BP	Biomass to Abundance Ratio	64.49	35.77	Poor
LE5.5	Fall	BP	Margalef Diversity Index	2.55	43.70	Fair
LE5.5	Fall	BP	Diatom Biomass	2.58E+08	71.19	Good
LE5.5	Fall	BP	Dinoflagellate Biomass	1.52E+07	59.61	Poor
LE5.5	Fall	BP	Cyanobacteria Biomass	2.12E+06	90.04	Poor
LE5.5	Fall	BP	Chlorophyte Biomass	5.45E+04	88.76	Good
LE5.5	Fall	BP	Picoplankton Biomass	2.89E+07	55.34	Fair
LE5.5	Fall	BP	Cryptophyte Biomass	2.83E+07	72.89	Good
LE5.5	Fall	BP	Cyanobacteria Abundance	3.27E+05	91.30	Poor
SBE5	Fall	BP	Total Biomass	1.39E+08	33.54	Poor
SBE5	Fall	BP	Biomass to Abundance Ratio	49.69	28.93	Poor
SBE5	Fall	BP	Margalef Diversity Index	2.07	80.39	Good
SBE5	Fall	BP	Diatom Biomass	1.09E+08	53.28	Fair
SBE5	Fall	BP	Dinoflagellate Biomass	3.15E+06	66.94	Poor
SBE5	Fall	BP	Cyanobacteria Biomass	1.08E+06	66.45	Poor
SBE5	Fall	BP	Chlorophyte Biomass	6.24E+04	83.28	Good
SBE5	Fall	BP	Picoplankton Biomass	8.85E+06	18.22	Good
SBE5	Fall	BP	Cryptophyte Biomass	1.65E+07	99.00	Good
SBE5	Fall	BP	Cyanobacteria Abundance	1.55E+05	66.45	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF4.2	Fall	BP	Total Biomass	7.16E+08	56.96	Fair
TF4.2	Fall	BP	Biomass to Abundance Ratio	59.26	38.96	Poor
TF4.2	Fall	BP	Margalef Diversity Index	1.53	24.26	Poor
TF4.2	Fall	BP	Diatom Biomass	3.94E+08	55.06	Fair
TF4.2	Fall	BP	Dinoflagellate Biomass	1.92E+06	94.10	Poor
TF4.2	Fall	BP	Cyanobacteria Biomass	6.20E+06	67.90	Poor
TF4.2	Fall	BP	Chlorophyte Biomass	3.03E+07	69.89	Good
TF4.2	Fall	BP	Picoplankton Biomass	4.80E+07	73.78	Poor
TF4.2	Fall	BP	Cryptophyte Biomass	2.57E+07	91.26	Good
TF4.2	Fall	BP	Cyanobacteria Abundance	4.97E+05	53.22	Fair
RET4.3	Fall	BP	Total Biomass	6.61E+08	60.47	Good
RET4.3	Fall	BP	Biomass to Abundance Ratio	39.07	23.44	Poor
RET4.3	Fall	BP	Margalef Diversity Index	1.52	29.10	Poor
RET4.3	Fall	BP	Diatom Biomass	5.84E+08	68.12	Good
RET4.3	Fall	BP	Dinoflagellate Biomass	6.40E+06	71.05	Poor
RET4.3	Fall	BP	Cyanobacteria Biomass	6.71E+06	74.02	Poor
RET4.3	Fall	BP	Chlorophyte Biomass	3.86E+06	93.31	Good
RET4.3	Fall	BP	Picoplankton Biomass	3.64E+07	57.38	Fair
RET4.3	Fall	BP	Cryptophyte Biomass	4.74E+07	99.28	Good
RET4.3	Fall	BP	Cyanobacteria Abundance	8.12E+05	76.81	Poor
WE4.2	Fall	BP	Total Biomass	3.29E+08	67.68	Good
WE4.2	Fall	BP	Biomass to Abundance Ratio	85.50	51.18	Fair
WE4.2	Fall	BP	Margalef Diversity Index	2.25	24.42	Poor
WE4.2	Fall	BP	Diatom Biomass	3.12E+08	75.63	Good
WE4.2	Fall	BP	Dinoflagellate Biomass	1.07E+07	56.65	Fair
WE4.2	Fall	BP	Cyanobacteria Biomass	1.19E+06	88.52	Poor
WE4.2	Fall	BP	Chlorophyte Biomass	0.00E+00	24.79	Poor
WE4.2	Fall	BP	Picoplankton Biomass	3.58E+07	61.41	Poor
WE4.2	Fall	BP	Cryptophyte Biomass	1.42E+07	69.36	Good
WE4.2	Fall	BP	Cyanobacteria Abundance	1.56E+05	89.16	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF3.3	Fall	BP	Total Biomass	1.38E+09	74.95	Good
TF3.3	Fall	BP	Biomass to Abundance Ratio	40.40	39.16	Poor
TF3.3	Fall	BP	Margalef Diversity Index	1.71	53.51	Fair
TF3.3	Fall	BP	Diatom Biomass	1.21E+09	76.65	Good
TF3.3	Fall	BP	Dinoflagellate Biomass	3.63E+07	81.99	Poor
TF3.3	Fall	BP	Cyanobacteria Biomass	2.65E+07	75.29	Poor
TF3.3	Fall	BP	Chlorophyte Biomass	4.77E+07	73.53	Good
TF3.3	Fall	BP	Picoplankton Biomass	2.23E+08	87.50	Poor
TF3.3	Fall	BP	Cryptophyte Biomass	1.54E+07	78.72	Good
TF3.3	Fall	BP	Cyanobacteria Abundance	7.01E+06	75.77	Poor
RET3.1	Fall	BP	Total Biomass	7.04E+08	61.54	Good
RET3.1	Fall	BP	Biomass to Abundance Ratio	43.57	25.83	Poor
RET3.1	Fall	BP	Margalef Diversity Index	1.68	45.17	Fair
RET3.1	Fall	BP	Diatom Biomass	5.60E+08	67.79	Good
RET3.1	Fall	BP	Dinoflagellate Biomass	7.20E+06	71.71	Poor
RET3.1	Fall	BP	Cyanobacteria Biomass	5.45E+06	73.22	Poor
RET3.1	Fall	BP	Chlorophyte Biomass	2.81E+07	95.82	Good
RET3.1	Fall	BP	Picoplankton Biomass	2.13E+08	92.74	Poor
RET3.1	Fall	BP	Cryptophyte Biomass	5.32E+07	99.31	Good
RET3.1	Fall	BP	Cyanobacteria Abundance	7.16E+05	76.10	Poor
LE3.6	Fall	BP	Total Biomass	3.81E+08	50.65	Fair
LE3.6	Fall	BP	Biomass to Abundance Ratio	81.57	40.78	Poor
LE3.6	Fall	BP	Margalef Diversity Index	2.38	93.39	Good
LE3.6	Fall	BP	Diatom Biomass	2.93E+08	63.21	Good
LE3.6	Fall	BP	Dinoflagellate Biomass	1.38E+07	76.06	Poor
LE3.6	Fall	BP	Cyanobacteria Biomass	1.90E+06	68.71	Poor
LE3.6	Fall	BP	Chlorophyte Biomass	6.75E+05	89.01	Good
LE3.6	Fall	BP	Picoplankton Biomass	3.06E+07	52.14	Fair
LE3.6	Fall	BP	Cryptophyte Biomass	1.98E+07	99.12	Good
LE3.6	Fall	BP	Cyanobacteria Abundance	2.50E+05	69.37	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
CB6.1	Fall	BP	Total Biomass	2.23E+08	44.10	Fair
CB6.1	Fall	BP	Biomass to Abundance Ratio	81.99	42.50	Fair
CB6.1	Fall	BP	Margalef Diversity Index	2.18	86.34	Good
CB6.1	Fall	BP	Diatom Biomass	2.03E+08	59.16	Good
CB6.1	Fall	BP	Dinoflagellate Biomass	4.91E+07	80.92	Poor
CB6.1	Fall	BP	Cyanobacteria Biomass	1.08E+06	65.96	Poor
CB6.1	Fall	BP	Chlorophyte Biomass	4.13E+05	89.07	Good
CB6.1	Fall	BP	Picoplankton Biomass	2.10E+07	39.46	Good
CB6.1	Fall	BP	Cryptophyte Biomass	1.80E+07	98.97	Good
CB6.1	Fall	BP	Cyanobacteria Abundance	1.42E+05	65.06	Poor
CB6.4	Fall	BP	Total Biomass	2.33E+08	54.91	Fair
CB6.4	Fall	BP	Biomass to Abundance Ratio	46.14	20.88	Poor
CB6.4	Fall	BP	Margalef Diversity Index	1.85	8.20	Poor
CB6.4	Fall	BP	Diatom Biomass	1.96E+08	66.33	Good
CB6.4	Fall	BP	Dinoflagellate Biomass	7.01E+06	52.31	Fair
CB6.4	Fall	BP	Cyanobacteria Biomass	3.24E+05	84.39	Poor
CB6.4	Fall	BP	Chlorophyte Biomass	0.00E+00	24.79	Poor
CB6.4	Fall	BP	Picoplankton Biomass	1.73E+07	40.53	Good
CB6.4	Fall	BP	Cryptophyte Biomass	1.91E+07	70.92	Good
CB6.4	Fall	BP	Cyanobacteria Abundance	4.26E+04	84.19	Poor
CB7.3E	Fall	BP	Total Biomass	4.08E+08	74.63	Good
CB7.3E	Fall	BP	Biomass to Abundance Ratio	106.31	63.11	Good
CB7.3E	Fall	BP	Margalef Diversity Index	2.40	33.73	Poor
CB7.3E	Fall	BP	Diatom Biomass	3.77E+08	78.88	Good
CB7.3E	Fall	BP	Dinoflagellate Biomass	2.56E+07	65.25	Poor
CB7.3E	Fall	BP	Cyanobacteria Biomass	1.20E+06	88.54	Poor
CB7.3E	Fall	BP	Chlorophyte Biomass	7.80E+05	96.31	Good
CB7.3E	Fall	BP	Picoplankton Biomass	2.34E+07	49.31	Fair
CB7.3E	Fall	BP	Cryptophyte Biomass	1.61E+07	70.03	Good
CB7.3E	Fall	BP	Cyanobacteria Abundance	3.55E+05	91.55	Poor
CB7.4	Fall	BP	Total Biomass	1.00E+09	92.36	Good
CB7.4	Fall	BP	Biomass to Abundance Ratio	113.60	66.52	Good
CB7.4	Fall	BP	Margalef Diversity Index	3.00	71.34	Good
CB7.4	Fall	BP	Diatom Biomass	9.03E+08	89.79	Good
CB7.4	Fall	BP	Dinoflagellate Biomass	3.59E+07	68.35	Poor
CB7.4	Fall	BP	Cyanobacteria Biomass	2.12E+06	90.04	Poor
CB7.4	Fall	BP	Chlorophyte Biomass	0.00E+00	24.79	Poor
CB7.4	Fall	BP	Picoplankton Biomass	3.00E+07	56.44	Fair
CB7.4	Fall	BP	Cryptophyte Biomass	1.42E+07	69.36	Good
CB7.4	Fall	BP	Cyanobacteria Abundance	2.86E+05	90.97	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF5.5	SAV1	BP	Total Biomass	3.29E+09	68.33	Good
TF5.5	SAV1	BP	Biomass to Abundance Ratio	53.49	27.04	Poor
TF5.5	SAV1	BP	Margalef Diversity Index	2.30	74.05	Good
TF5.5	SAV1	BP	Diatom Biomass	1.75E+09	66.84	Good
TF5.5	SAV1	BP	Dinoflagellate Biomass	3.09E+05	83.34	Poor
TF5.5	SAV1	BP	Cyanobacteria Biomass	8.98E+07	72.66	Poor
TF5.5	SAV1	BP	Chlorophyte Biomass	7.36E+08	81.22	Good
TF5.5	SAV1	BP	Picoplankton Biomass	2.83E+07	57.77	Poor
TF5.5	SAV1	BP	Cryptophyte Biomass	6.69E+07	93.65	Good
TF5.5	SAV1	BP	Cyanobacteria Abundance	1.74E+07	80.50	Poor
RET5.2	SAV1	BP	Total Biomass	1.25E+09	59.67	Good
RET5.2	SAV1	BP	Biomass to Abundance Ratio	53.65	37.62	Poor
RET5.2	SAV1	BP	Margalef Diversity Index	1.56	40.62	Poor
RET5.2	SAV1	BP	Diatom Biomass	8.61E+08	66.40	Good
RET5.2	SAV1	BP	Dinoflagellate Biomass	1.43E+06	68.67	Poor
RET5.2	SAV1	BP	Cyanobacteria Biomass	1.67E+07	65.05	Poor
RET5.2	SAV1	BP	Chlorophyte Biomass	1.12E+08	76.57	Good
RET5.2	SAV1	BP	Picoplankton Biomass	6.34E+07	55.41	Fair
RET5.2	SAV1	BP	Cryptophyte Biomass	3.92E+07	86.42	Good
RET5.2	SAV1	BP	Cyanobacteria Abundance	1.97E+06	62.90	Poor
LE5.5	SAV1	BP	Total Biomass	3.79E+08	41.95	Poor
LE5.5	SAV1	BP	Biomass to Abundance Ratio	77.33	25.87	Poor
LE5.5	SAV1	BP	Margalef Diversity Index	2.56	47.28	Fair
LE5.5	SAV1	BP	Diatom Biomass	2.79E+08	50.24	Fair
LE5.5	SAV1	BP	Dinoflagellate Biomass	5.33E+07	65.34	Poor
LE5.5	SAV1	BP	Cyanobacteria Biomass	2.05E+06	83.68	Poor
LE5.5	SAV1	BP	Chlorophyte Biomass	2.33E+05	82.50	Good
LE5.5	SAV1	BP	Picoplankton Biomass	2.89E+07	50.08	Fair
LE5.5	SAV1	BP	Cryptophyte Biomass	2.00E+07	72.41	Good
LE5.5	SAV1	BP	Cyanobacteria Abundance	3.40E+05	87.24	Poor
SBE5	SAV1	BP	Total Biomass	1.69E+08	21.04	Poor
SBE5	SAV1	BP	Biomass to Abundance Ratio	40.19	14.73	Poor
SBE5	SAV1	BP	Margalef Diversity Index	1.71	46.42	Fair
SBE5	SAV1	BP	Diatom Biomass	1.09E+08	38.49	Poor
SBE5	SAV1	BP	Dinoflagellate Biomass	6.91E+06	63.47	Poor
SBE5	SAV1	BP	Cyanobacteria Biomass	1.33E+06	60.99	Poor
SBE5	SAV1	BP	Chlorophyte Biomass	1.01E+06	84.21	Good
SBE5	SAV1	BP	Picoplankton Biomass	9.21E+06	32.14	Good
SBE5	SAV1	BP	Cryptophyte Biomass	1.74E+07	99.01	Good
SBE5	SAV1	BP	Cyanobacteria Abundance	2.78E+05	62.24	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF4.2	SAV1	BP	Total Biomass	5.08E+08	36.56	Poor
TF4.2	SAV1	BP	Biomass to Abundance Ratio	57.84	28.98	Poor
TF4.2	SAV1	BP	Margalef Diversity Index	1.56	20.99	Poor
TF4.2	SAV1	BP	Diatom Biomass	3.24E+08	38.11	Poor
TF4.2	SAV1	BP	Dinoflagellate Biomass	3.41E+06	89.99	Poor
TF4.2	SAV1	BP	Cyanobacteria Biomass	6.94E+06	58.71	Poor
TF4.2	SAV1	BP	Chlorophyte Biomass	3.98E+07	63.21	Good
TF4.2	SAV1	BP	Picoplankton Biomass	2.44E+07	54.92	Fair
TF4.2	SAV1	BP	Cryptophyte Biomass	2.98E+07	92.47	Good
TF4.2	SAV1	BP	Cyanobacteria Abundance	1.00E+06	56.68	Poor
RET4.3	SAV1	BP	Total Biomass	1.11E+09	55.21	Fair
RET4.3	SAV1	BP	Biomass to Abundance Ratio	42.69	15.77	Poor
RET4.3	SAV1	BP	Margalef Diversity Index	1.55	31.16	Poor
RET4.3	SAV1	BP	Diatom Biomass	7.70E+08	62.99	Good
RET4.3	SAV1	BP	Dinoflagellate Biomass	7.10E+06	63.80	Poor
RET4.3	SAV1	BP	Cyanobacteria Biomass	1.17E+07	70.80	Poor
RET4.3	SAV1	BP	Chlorophyte Biomass	6.15E+06	88.96	Good
RET4.3	SAV1	BP	Picoplankton Biomass	1.52E+07	43.02	Good
RET4.3	SAV1	BP	Cryptophyte Biomass	4.31E+07	99.25	Good
RET4.3	SAV1	BP	Cyanobacteria Abundance	1.84E+06	76.11	Poor
WE4.2	SAV1	BP	Total Biomass	4.73E+08	48.70	Fair
WE4.2	SAV1	BP	Biomass to Abundance Ratio	97.20	35.33	Poor
WE4.2	SAV1	BP	Margalef Diversity Index	2.37	36.47	Poor
WE4.2	SAV1	BP	Diatom Biomass	3.13E+08	53.06	Fair
WE4.2	SAV1	BP	Dinoflagellate Biomass	3.60E+07	64.15	Poor
WE4.2	SAV1	BP	Cyanobacteria Biomass	2.54E+06	84.32	Poor
WE4.2	SAV1	BP	Chlorophyte Biomass	7.31E+02	56.28	Fair
WE4.2	SAV1	BP	Picoplankton Biomass	3.35E+07	55.46	Fair
WE4.2	SAV1	BP	Cryptophyte Biomass	1.60E+07	71.47	Good
WE4.2	SAV1	BP	Cyanobacteria Abundance	3.76E+05	87.02	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF3.3	SAV1	BP	Total Biomass	1.61E+09	65.60	Good
TF3.3	SAV1	BP	Biomass to Abundance Ratio	56.72	39.39	Poor
TF3.3	SAV1	BP	Margalef Diversity Index	1.74	56.72	Fair
TF3.3	SAV1	BP	Diatom Biomass	1.30E+09	71.45	Good
TF3.3	SAV1	BP	Dinoflagellate Biomass	4.97E+06	74.48	Poor
TF3.3	SAV1	BP	Cyanobacteria Biomass	3.49E+07	69.22	Poor
TF3.3	SAV1	BP	Chlorophyte Biomass	4.91E+07	72.66	Good
TF3.3	SAV1	BP	Picoplankton Biomass	9.29E+07	65.19	Poor
TF3.3	SAV1	BP	Cryptophyte Biomass	2.80E+07	85.56	Good
TF3.3	SAV1	BP	Cyanobacteria Abundance	5.61E+06	72.68	Poor
RET3.1	SAV1	BP	Total Biomass	8.57E+08	49.96	Fair
RET3.1	SAV1	BP	Biomass to Abundance Ratio	40.15	14.72	Poor
RET3.1	SAV1	BP	Margalef Diversity Index	1.44	21.66	Poor
RET3.1	SAV1	BP	Diatom Biomass	6.52E+08	60.91	Good
RET3.1	SAV1	BP	Dinoflagellate Biomass	7.96E+06	64.60	Poor
RET3.1	SAV1	BP	Cyanobacteria Biomass	2.28E+07	73.12	Poor
RET3.1	SAV1	BP	Chlorophyte Biomass	2.20E+07	91.55	Good
RET3.1	SAV1	BP	Picoplankton Biomass	1.06E+08	81.75	Poor
RET3.1	SAV1	BP	Cryptophyte Biomass	5.64E+07	99.31	Good
RET3.1	SAV1	BP	Cyanobacteria Abundance	6.93E+06	83.36	Poor
LE3.6	SAV1	BP	Total Biomass	5.13E+08	39.70	Poor
LE3.6	SAV1	BP	Biomass to Abundance Ratio	81.57	27.77	Poor
LE3.6	SAV1	BP	Margalef Diversity Index	2.38	91.41	Good
LE3.6	SAV1	BP	Diatom Biomass	3.84E+08	54.25	Fair
LE3.6	SAV1	BP	Dinoflagellate Biomass	4.78E+07	75.85	Poor
LE3.6	SAV1	BP	Cyanobacteria Biomass	1.90E+06	62.70	Poor
LE3.6	SAV1	BP	Chlorophyte Biomass	1.24E+06	84.83	Good
LE3.6	SAV1	BP	Picoplankton Biomass	2.10E+07	59.73	Poor
LE3.6	SAV1	BP	Cryptophyte Biomass	1.83E+07	99.04	Good
LE3.6	SAV1	BP	Cyanobacteria Abundance	2.70E+05	61.53	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
CB6.1	SAV1	BP	Total Biomass	4.64E+08	37.79	Poor
CB6.1	SAV1	BP	Biomass to Abundance Ratio	84.91	32.56	Poor
CB6.1	SAV1	BP	Margalef Diversity Index	2.19	85.00	Good
CB6.1	SAV1	BP	Diatom Biomass	3.47E+08	51.19	Fair
CB6.1	SAV1	BP	Dinoflagellate Biomass	3.52E+07	76.16	Poor
CB6.1	SAV1	BP	Cyanobacteria Biomass	2.52E+06	60.88	Poor
CB6.1	SAV1	BP	Chlorophyte Biomass	2.43E+05	72.77	Good
CB6.1	SAV1	BP	Picoplankton Biomass	2.02E+07	49.71	Fair
CB6.1	SAV1	BP	Cryptophyte Biomass	1.84E+07	99.02	Good
CB6.1	SAV1	BP	Cyanobacteria Abundance	4.59E+05	57.60	Poor
CB6.4	SAV1	BP	Total Biomass	3.28E+08	35.85	Poor
CB6.4	SAV1	BP	Biomass to Abundance Ratio	62.71	18.33	Poor
CB6.4	SAV1	BP	Margalef Diversity Index	2.04	19.85	Poor
CB6.4	SAV1	BP	Diatom Biomass	2.43E+08	46.89	Fair
CB6.4	SAV1	BP	Dinoflagellate Biomass	2.14E+07	54.15	Fair
CB6.4	SAV1	BP	Cyanobacteria Biomass	1.83E+06	83.73	Poor
CB6.4	SAV1	BP	Chlorophyte Biomass	4.30E+05	85.07	Good
CB6.4	SAV1	BP	Picoplankton Biomass	1.83E+07	38.06	Good
CB6.4	SAV1	BP	Cryptophyte Biomass	2.16E+07	72.52	Good
CB6.4	SAV1	BP	Cyanobacteria Abundance	5.61E+05	88.97	Poor
CB7.3E	SAV1	BP	Total Biomass	6.19E+08	57.87	Good
CB7.3E	SAV1	BP	Biomass to Abundance Ratio	110.93	41.24	Poor
CB7.3E	SAV1	BP	Margalef Diversity Index	2.52	44.75	Fair
CB7.3E	SAV1	BP	Diatom Biomass	5.18E+08	64.63	Good
CB7.3E	SAV1	BP	Dinoflagellate Biomass	5.71E+07	66.12	Poor
CB7.3E	SAV1	BP	Cyanobacteria Biomass	2.70E+06	84.69	Poor
CB7.3E	SAV1	BP	Chlorophyte Biomass	8.39E+04	79.18	Good
CB7.3E	SAV1	BP	Picoplankton Biomass	2.34E+07	44.31	Fair
CB7.3E	SAV1	BP	Cryptophyte Biomass	1.21E+07	69.94	Good
CB7.3E	SAV1	BP	Cyanobacteria Abundance	3.84E+05	87.73	Poor
CB7.4	SAV1	BP	Total Biomass	7.01E+08	61.82	Good
CB7.4	SAV1	BP	Biomass to Abundance Ratio	103.08	37.84	Poor
CB7.4	SAV1	BP	Margalef Diversity Index	2.28	27.25	Poor
CB7.4	SAV1	BP	Diatom Biomass	4.46E+08	61.28	Good
CB7.4	SAV1	BP	Dinoflagellate Biomass	1.71E+07	51.84	Fair
CB7.4	SAV1	BP	Cyanobacteria Biomass	2.12E+06	83.80	Poor
CB7.4	SAV1	BP	Chlorophyte Biomass	1.90E+04	71.88	Good
CB7.4	SAV1	BP	Picoplankton Biomass	1.76E+07	36.70	Good
CB7.4	SAV1	BP	Cryptophyte Biomass	1.42E+07	70.76	Good
CB7.4	SAV1	BP	Cyanobacteria Abundance	2.86E+05	86.56	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF5.5	SAV2	BP	Total Biomass	5.14E+09	74.10	Good
TF5.5	SAV2	BP	Biomass to Abundance Ratio	48.08	27.01	Poor
TF5.5	SAV2	BP	Margalef Diversity Index	2.33	57.39	Fair
TF5.5	SAV2	BP	Diatom Biomass	2.15E+09	69.83	Good
TF5.5	SAV2	BP	Dinoflagellate Biomass	8.71E+05	82.72	Poor
TF5.5	SAV2	BP	Cyanobacteria Biomass	2.04E+08	68.06	Poor
TF5.5	SAV2	BP	Chlorophyte Biomass	1.01E+09	81.38	Good
TF5.5	SAV2	BP	Picoplankton Biomass	1.26E+08	70.03	Poor
TF5.5	SAV2	BP	Cryptophyte Biomass	6.55E+07	92.13	Good
TF5.5	SAV2	BP	Cyanobacteria Abundance	3.16E+07	77.60	Poor
RET5.2	SAV2	BP	Total Biomass	1.29E+09	56.40	Fair
RET5.2	SAV2	BP	Biomass to Abundance Ratio	48.67	34.45	Poor
RET5.2	SAV2	BP	Margalef Diversity Index	1.72	43.82	Fair
RET5.2	SAV2	BP	Diatom Biomass	9.84E+08	67.50	Good
RET5.2	SAV2	BP	Dinoflagellate Biomass	5.64E+06	69.69	Poor
RET5.2	SAV2	BP	Cyanobacteria Biomass	3.90E+07	62.53	Poor
RET5.2	SAV2	BP	Chlorophyte Biomass	1.42E+08	75.77	Good
RET5.2	SAV2	BP	Picoplankton Biomass	2.18E+08	58.31	Poor
RET5.2	SAV2	BP	Cryptophyte Biomass	3.98E+07	88.51	Good
RET5.2	SAV2	BP	Cyanobacteria Abundance	4.70E+06	65.16	Poor
LE5.5	SAV2	BP	Total Biomass	3.80E+08	44.61	Fair
LE5.5	SAV2	BP	Biomass to Abundance Ratio	83.41	29.38	Poor
LE5.5	SAV2	BP	Margalef Diversity Index	2.59	59.15	Good
LE5.5	SAV2	BP	Diatom Biomass	2.77E+08	56.98	Fair
LE5.5	SAV2	BP	Dinoflagellate Biomass	5.91E+07	65.39	Poor
LE5.5	SAV2	BP	Cyanobacteria Biomass	1.73E+06	79.30	Poor
LE5.5	SAV2	BP	Chlorophyte Biomass	2.00E+05	83.29	Good
LE5.5	SAV2	BP	Picoplankton Biomass	3.18E+08	80.06	Poor
LE5.5	SAV2	BP	Cryptophyte Biomass	1.76E+07	71.87	Good
LE5.5	SAV2	BP	Cyanobacteria Abundance	2.27E+05	83.74	Poor
SBE5	SAV2	BP	Total Biomass	1.82E+08	11.36	Poor
SBE5	SAV2	BP	Biomass to Abundance Ratio	38.08	8.59	Poor
SBE5	SAV2	BP	Margalef Diversity Index	1.60	40.25	Poor
SBE5	SAV2	BP	Diatom Biomass	1.18E+08	42.59	Poor
SBE5	SAV2	BP	Dinoflagellate Biomass	1.21E+07	63.74	Poor
SBE5	SAV2	BP	Cyanobacteria Biomass	1.94E+06	46.13	Fair
SBE5	SAV2	BP	Chlorophyte Biomass	5.47E+05	81.45	Good
SBE5	SAV2	BP	Picoplankton Biomass	9.18E+07	57.27	Poor
SBE5	SAV2	BP	Cryptophyte Biomass	1.60E+07	98.81	Good
SBE5	SAV2	BP	Cyanobacteria Abundance	4.83E+05	50.09	Fair

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF4.2	SAV2	BP	Total Biomass	6.87E+08	27.48	Poor
TF4.2	SAV2	BP	Biomass to Abundance Ratio	57.84	31.82	Poor
TF4.2	SAV2	BP	Margalef Diversity Index	1.59	12.80	Poor
TF4.2	SAV2	BP	Diatom Biomass	3.85E+08	29.92	Poor
TF4.2	SAV2	BP	Dinoflagellate Biomass	8.88E+05	82.19	Poor
TF4.2	SAV2	BP	Cyanobacteria Biomass	8.95E+06	46.01	Fair
TF4.2	SAV2	BP	Chlorophyte Biomass	7.48E+07	59.76	Good
TF4.2	SAV2	BP	Picoplankton Biomass	1.20E+08	68.75	Poor
TF4.2	SAV2	BP	Cryptophyte Biomass	2.48E+07	90.45	Good
TF4.2	SAV2	BP	Cyanobacteria Abundance	1.81E+06	42.24	Fair
RET4.3	SAV2	BP	Total Biomass	1.00E+09	45.21	Fair
RET4.3	SAV2	BP	Biomass to Abundance Ratio	39.70	9.08	Poor
RET4.3	SAV2	BP	Margalef Diversity Index	1.52	32.81	Poor
RET4.3	SAV2	BP	Diatom Biomass	7.12E+08	63.49	Good
RET4.3	SAV2	BP	Dinoflagellate Biomass	6.81E+06	58.77	Poor
RET4.3	SAV2	BP	Cyanobacteria Biomass	1.30E+07	57.22	Poor
RET4.3	SAV2	BP	Chlorophyte Biomass	7.07E+06	88.75	Good
RET4.3	SAV2	BP	Picoplankton Biomass	8.55E+07	55.60	Fair
RET4.3	SAV2	BP	Cryptophyte Biomass	3.98E+07	99.10	Good
RET4.3	SAV2	BP	Cyanobacteria Abundance	2.01E+06	67.46	Poor
WE4.2	SAV2	BP	Total Biomass	5.39E+08	56.21	Fair
WE4.2	SAV2	BP	Biomass to Abundance Ratio	94.17	34.61	Poor
WE4.2	SAV2	BP	Margalef Diversity Index	2.51	48.94	Fair
WE4.2	SAV2	BP	Diatom Biomass	4.22E+08	66.94	Good
WE4.2	SAV2	BP	Dinoflagellate Biomass	3.81E+07	59.11	Poor
WE4.2	SAV2	BP	Cyanobacteria Biomass	2.91E+06	81.18	Poor
WE4.2	SAV2	BP	Chlorophyte Biomass	6.14E+05	87.41	Good
WE4.2	SAV2	BP	Picoplankton Biomass	2.27E+08	72.51	Poor
WE4.2	SAV2	BP	Cryptophyte Biomass	1.65E+07	71.97	Good
WE4.2	SAV2	BP	Cyanobacteria Abundance	3.89E+05	85.82	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF3.3	SAV2	BP	Total Biomass	1.71E+09	63.13	Good
TF3.3	SAV2	BP	Biomass to Abundance Ratio	40.54	31.48	Poor
TF3.3	SAV2	BP	Margalef Diversity Index	1.90	57.95	Fair
TF3.3	SAV2	BP	Diatom Biomass	1.32E+09	71.17	Good
TF3.3	SAV2	BP	Dinoflagellate Biomass	3.23E+06	68.84	Poor
TF3.3	SAV2	BP	Cyanobacteria Biomass	8.68E+07	67.25	Poor
TF3.3	SAV2	BP	Chlorophyte Biomass	1.78E+08	76.79	Good
TF3.3	SAV2	BP	Picoplankton Biomass	2.68E+08	63.08	Poor
TF3.3	SAV2	BP	Cryptophyte Biomass	2.97E+07	87.83	Good
TF3.3	SAV2	BP	Cyanobacteria Abundance	1.23E+07	74.47	Poor
RET3.1	SAV2	BP	Total Biomass	1.06E+09	46.79	Fair
RET3.1	SAV2	BP	Biomass to Abundance Ratio	35.80	7.92	Poor
RET3.1	SAV2	BP	Margalef Diversity Index	1.49	29.91	Poor
RET3.1	SAV2	BP	Diatom Biomass	7.91E+08	64.64	Good
RET3.1	SAV2	BP	Dinoflagellate Biomass	7.20E+06	59.27	Poor
RET3.1	SAV2	BP	Cyanobacteria Biomass	6.22E+07	65.89	Poor
RET3.1	SAV2	BP	Chlorophyte Biomass	2.81E+07	91.53	Good
RET3.1	SAV2	BP	Picoplankton Biomass	5.57E+08	88.23	Poor
RET3.1	SAV2	BP	Cryptophyte Biomass	5.59E+07	99.18	Good
RET3.1	SAV2	BP	Cyanobacteria Abundance	1.50E+07	85.20	Poor
LE3.6	SAV2	BP	Total Biomass	7.36E+08	35.57	Poor
LE3.6	SAV2	BP	Biomass to Abundance Ratio	78.99	20.68	Poor
LE3.6	SAV2	BP	Margalef Diversity Index	2.43	91.37	Good
LE3.6	SAV2	BP	Diatom Biomass	4.37E+08	58.35	Good
LE3.6	SAV2	BP	Dinoflagellate Biomass	5.35E+07	75.11	Poor
LE3.6	SAV2	BP	Cyanobacteria Biomass	4.67E+06	49.24	Fair
LE3.6	SAV2	BP	Chlorophyte Biomass	2.64E+06	86.25	Good
LE3.6	SAV2	BP	Picoplankton Biomass	4.77E+08	85.59	Poor
LE3.6	SAV2	BP	Cryptophyte Biomass	1.94E+07	98.87	Good
LE3.6	SAV2	BP	Cyanobacteria Abundance	6.01E+05	48.75	Fair

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
CB6.1	SAV2	BP	Total Biomass	3.26E+08	21.20	Poor
CB6.1	SAV2	BP	Biomass to Abundance Ratio	82.17	23.25	Poor
CB6.1	SAV2	BP	Margalef Diversity Index	1.92	66.05	Good
CB6.1	SAV2	BP	Diatom Biomass	2.73E+08	53.06	Fair
CB6.1	SAV2	BP	Dinoflagellate Biomass	3.59E+07	72.48	Poor
CB6.1	SAV2	BP	Cyanobacteria Biomass	3.32E+06	49.18	Fair
CB6.1	SAV2	BP	Chlorophyte Biomass	2.81E+05	78.39	Good
CB6.1	SAV2	BP	Picoplankton Biomass	1.98E+08	73.81	Poor
CB6.1	SAV2	BP	Cryptophyte Biomass	1.61E+07	98.76	Good
CB6.1	SAV2	BP	Cyanobacteria Abundance	4.60E+05	49.45	Fair
CB6.4	SAV2	BP	Total Biomass	4.06E+08	44.49	Fair
CB6.4	SAV2	BP	Biomass to Abundance Ratio	68.33	21.39	Poor
CB6.4	SAV2	BP	Margalef Diversity Index	2.07	21.78	Poor
CB6.4	SAV2	BP	Diatom Biomass	2.15E+08	51.70	Fair
CB6.4	SAV2	BP	Dinoflagellate Biomass	4.42E+07	60.40	Poor
CB6.4	SAV2	BP	Cyanobacteria Biomass	2.97E+06	81.67	Poor
CB6.4	SAV2	BP	Chlorophyte Biomass	1.00E+06	89.01	Good
CB6.4	SAV2	BP	Picoplankton Biomass	2.00E+08	70.39	Poor
CB6.4	SAV2	BP	Cryptophyte Biomass	1.85E+07	71.19	Good
CB6.4	SAV2	BP	Cyanobacteria Abundance	4.76E+05	86.73	Poor
CB7.3E	SAV2	BP	Total Biomass	5.45E+08	57.75	Fair
CB7.3E	SAV2	BP	Biomass to Abundance Ratio	75.97	25.59	Poor
CB7.3E	SAV2	BP	Margalef Diversity Index	2.15	24.28	Poor
CB7.3E	SAV2	BP	Diatom Biomass	3.97E+08	65.67	Good
CB7.3E	SAV2	BP	Dinoflagellate Biomass	4.18E+07	60.20	Poor
CB7.3E	SAV2	BP	Cyanobacteria Biomass	2.70E+06	81.23	Poor
CB7.3E	SAV2	BP	Chlorophyte Biomass	8.73E+04	79.65	Good
CB7.3E	SAV2	BP	Picoplankton Biomass	2.48E+08	75.14	Poor
CB7.3E	SAV2	BP	Cryptophyte Biomass	1.30E+07	70.34	Good
CB7.3E	SAV2	BP	Cyanobacteria Abundance	4.49E+05	86.81	Poor
CB7.4	SAV2	BP	Total Biomass	5.59E+08	58.48	Good
CB7.4	SAV2	BP	Biomass to Abundance Ratio	97.48	36.32	Poor
CB7.4	SAV2	BP	Margalef Diversity Index	2.39	42.71	Fair
CB7.4	SAV2	BP	Diatom Biomass	4.00E+08	65.93	Good
CB7.4	SAV2	BP	Dinoflagellate Biomass	5.41E+07	64.01	Poor
CB7.4	SAV2	BP	Cyanobacteria Biomass	2.03E+06	80.01	Poor
CB7.4	SAV2	BP	Chlorophyte Biomass	4.61E+05	86.27	Good
CB7.4	SAV2	BP	Picoplankton Biomass	1.20E+08	56.61	Poor
CB7.4	SAV2	BP	Cryptophyte Biomass	1.35E+07	70.53	Good
CB7.4	SAV2	BP	Cyanobacteria Abundance	3.04E+05	85.13	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF5.5	Spring1	BP	Total Biomass	2.93E+09	65.65	Good
TF5.5	Spring1	BP	Biomass to Abundance Ratio	68.90	24.64	Poor
TF5.5	Spring1	BP	Margalef Diversity Index	2.27	81.42	Good
TF5.5	Spring1	BP	Diatom Biomass	1.62E+09	63.58	Good
TF5.5	Spring1	BP	Dinoflagellate Biomass	4.36E+05	87.92	Poor
TF5.5	Spring1	BP	Cyanobacteria Biomass	8.27E+07	72.97	Poor
TF5.5	Spring1	BP	Chlorophyte Biomass	5.04E+08	79.09	Good
TF5.5	Spring1	BP	Picoplankton Biomass	1.55E+07	64.05	Poor
TF5.5	Spring1	BP	Cryptophyte Biomass	6.55E+07	95.57	Good
TF5.5	Spring1	BP	Cyanobacteria Abundance	1.52E+07	83.51	Poor
RET5.2	Spring1	BP	Total Biomass	1.30E+09	58.56	Good
RET5.2	Spring1	BP	Biomass to Abundance Ratio	59.87	33.49	Poor
RET5.2	Spring1	BP	Margalef Diversity Index	1.72	61.01	Good
RET5.2	Spring1	BP	Diatom Biomass	1.07E+09	66.03	Good
RET5.2	Spring1	BP	Dinoflagellate Biomass	1.73E+06	76.15	Poor
RET5.2	Spring1	BP	Cyanobacteria Biomass	2.93E+07	72.68	Poor
RET5.2	Spring1	BP	Chlorophyte Biomass	3.01E+08	83.10	Good
RET5.2	Spring1	BP	Picoplankton Biomass	2.98E+07	67.81	Poor
RET5.2	Spring1	BP	Cryptophyte Biomass	3.95E+07	89.48	Good
RET5.2	Spring1	BP	Cyanobacteria Abundance	2.45E+06	73.61	Poor
LE5.5	Spring1	BP	Total Biomass	3.83E+08	16.75	Poor
LE5.5	Spring1	BP	Biomass to Abundance Ratio	88.26	16.20	Poor
LE5.5	Spring1	BP	Margalef Diversity Index	2.70	59.73	Good
LE5.5	Spring1	BP	Diatom Biomass	3.43E+08	27.43	Poor
LE5.5	Spring1	BP	Dinoflagellate Biomass	9.57E+07	66.43	Poor
LE5.5	Spring1	BP	Cyanobacteria Biomass	1.78E+06	79.81	Poor
LE5.5	Spring1	BP	Chlorophyte Biomass	1.30E+06	78.09	Good
LE5.5	Spring1	BP	Picoplankton Biomass	7.31E+06	33.01	Good
LE5.5	Spring1	BP	Cryptophyte Biomass	2.16E+07	71.84	Good
LE5.5	Spring1	BP	Cyanobacteria Abundance	3.12E+05	85.46	Poor
SBE5	Spring1	BP	Total Biomass	2.04E+08	6.75	Poor
SBE5	Spring1	BP	Biomass to Abundance Ratio	38.08	7.56	Poor
SBE5	Spring1	BP	Margalef Diversity Index	1.60	34.78	Poor
SBE5	Spring1	BP	Diatom Biomass	1.18E+08	12.21	Poor
SBE5	Spring1	BP	Dinoflagellate Biomass	5.64E+06	52.65	Fair
SBE5	Spring1	BP	Cyanobacteria Biomass	1.51E+06	61.86	Poor
SBE5	Spring1	BP	Chlorophyte Biomass	1.92E+06	79.72	Good
SBE5	Spring1	BP	Picoplankton Biomass	4.03E+06	43.44	Fair
SBE5	Spring1	BP	Cryptophyte Biomass	3.14E+07	99.12	Good
SBE5	Spring1	BP	Cyanobacteria Abundance	5.59E+05	68.86	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF4.2	Spring1	BP	Total Biomass	4.56E+08	23.76	Poor
TF4.2	Spring1	BP	Biomass to Abundance Ratio	66.17	23.70	Poor
TF4.2	Spring1	BP	Margalef Diversity Index	1.54	21.52	Poor
TF4.2	Spring1	BP	Diatom Biomass	3.87E+08	31.26	Poor
TF4.2	Spring1	BP	Dinoflagellate Biomass	4.36E+05	87.92	Poor
TF4.2	Spring1	BP	Cyanobacteria Biomass	4.96E+06	58.19	Poor
TF4.2	Spring1	BP	Chlorophyte Biomass	8.58E+07	66.28	Good
TF4.2	Spring1	BP	Picoplankton Biomass	8.25E+06	47.20	Fair
TF4.2	Spring1	BP	Cryptophyte Biomass	3.27E+07	94.82	Good
TF4.2	Spring1	BP	Cyanobacteria Abundance	9.85E+05	63.56	Poor
RET4.3	Spring1	BP	Total Biomass	1.49E+09	43.08	Fair
RET4.3	Spring1	BP	Biomass to Abundance Ratio	56.82	13.32	Poor
RET4.3	Spring1	BP	Margalef Diversity Index	1.59	33.91	Poor
RET4.3	Spring1	BP	Diatom Biomass	7.45E+08	49.43	Fair
RET4.3	Spring1	BP	Dinoflagellate Biomass	6.81E+06	54.49	Fair
RET4.3	Spring1	BP	Cyanobacteria Biomass	1.30E+07	71.41	Poor
RET4.3	Spring1	BP	Chlorophyte Biomass	2.16E+07	87.17	Good
RET4.3	Spring1	BP	Picoplankton Biomass	5.56E+06	53.91	Fair
RET4.3	Spring1	BP	Cryptophyte Biomass	4.64E+07	99.22	Good
RET4.3	Spring1	BP	Cyanobacteria Abundance	2.35E+06	78.36	Poor
WE4.2	Spring1	BP	Total Biomass	4.84E+08	21.96	Poor
WE4.2	Spring1	BP	Biomass to Abundance Ratio	97.20	19.11	Poor
WE4.2	Spring1	BP	Margalef Diversity Index	2.40	33.07	Poor
WE4.2	Spring1	BP	Diatom Biomass	3.25E+08	27.71	Poor
WE4.2	Spring1	BP	Dinoflagellate Biomass	1.00E+08	65.75	Poor
WE4.2	Spring1	BP	Cyanobacteria Biomass	3.24E+06	82.06	Poor
WE4.2	Spring1	BP	Chlorophyte Biomass	1.02E+06	77.90	Good
WE4.2	Spring1	BP	Picoplankton Biomass	8.64E+06	42.40	Good
WE4.2	Spring1	BP	Cryptophyte Biomass	2.75E+07	72.48	Good
WE4.2	Spring1	BP	Cyanobacteria Abundance	4.60E+05	87.17	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF3.3	Spring1	BP	Total Biomass	2.26E+09	71.54	Good
TF3.3	Spring1	BP	Biomass to Abundance Ratio	81.80	42.55	Fair
TF3.3	Spring1	BP	Margalef Diversity Index	1.71	60.11	Good
TF3.3	Spring1	BP	Diatom Biomass	8.88E+08	63.63	Good
TF3.3	Spring1	BP	Dinoflagellate Biomass	0.00E+00	9.95	Good
TF3.3	Spring1	BP	Cyanobacteria Biomass	4.32E+07	74.46	Poor
TF3.3	Spring1	BP	Chlorophyte Biomass	1.90E+08	81.33	Good
TF3.3	Spring1	BP	Picoplankton Biomass	4.61E+07	78.22	Poor
TF3.3	Spring1	BP	Cryptophyte Biomass	3.08E+07	88.97	Good
TF3.3	Spring1	BP	Cyanobacteria Abundance	4.03E+06	77.47	Poor
RET3.1	Spring1	BP	Total Biomass	9.34E+08	30.35	Poor
RET3.1	Spring1	BP	Biomass to Abundance Ratio	45.68	9.82	Poor
RET3.1	Spring1	BP	Margalef Diversity Index	1.36	15.99	Poor
RET3.1	Spring1	BP	Diatom Biomass	7.23E+08	48.63	Fair
RET3.1	Spring1	BP	Dinoflagellate Biomass	3.50E+05	27.24	Good
RET3.1	Spring1	BP	Cyanobacteria Biomass	1.30E+07	71.40	Poor
RET3.1	Spring1	BP	Chlorophyte Biomass	2.32E+07	87.35	Good
RET3.1	Spring1	BP	Picoplankton Biomass	1.48E+07	80.83	Poor
RET3.1	Spring1	BP	Cryptophyte Biomass	9.59E+07	99.38	Good
RET3.1	Spring1	BP	Cyanobacteria Abundance	5.62E+06	83.01	Poor
LE3.6	Spring1	BP	Total Biomass	7.61E+08	23.52	Poor
LE3.6	Spring1	BP	Biomass to Abundance Ratio	89.21	23.92	Poor
LE3.6	Spring1	BP	Margalef Diversity Index	2.37	84.64	Good
LE3.6	Spring1	BP	Diatom Biomass	5.84E+08	40.94	Poor
LE3.6	Spring1	BP	Dinoflagellate Biomass	4.88E+07	71.38	Poor
LE3.6	Spring1	BP	Cyanobacteria Biomass	2.45E+06	63.30	Poor
LE3.6	Spring1	BP	Chlorophyte Biomass	2.23E+06	79.59	Good
LE3.6	Spring1	BP	Picoplankton Biomass	1.24E+07	81.55	Poor
LE3.6	Spring1	BP	Cryptophyte Biomass	2.08E+07	98.97	Good
LE3.6	Spring1	BP	Cyanobacteria Abundance	5.19E+05	63.27	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
CB6.1	Spring1	BP	Total Biomass	6.13E+08	20.98	Poor
CB6.1	Spring1	BP	Biomass to Abundance Ratio	85.95	23.21	Poor
CB6.1	Spring1	BP	Margalef Diversity Index	2.34	90.06	Good
CB6.1	Spring1	BP	Diatom Biomass	5.40E+08	39.51	Poor
CB6.1	Spring1	BP	Dinoflagellate Biomass	5.32E+07	72.47	Poor
CB6.1	Spring1	BP	Cyanobacteria Biomass	4.55E+06	65.74	Poor
CB6.1	Spring1	BP	Chlorophyte Biomass	1.60E+05	57.64	Good
CB6.1	Spring1	BP	Picoplankton Biomass	4.94E+06	60.64	Poor
CB6.1	Spring1	BP	Cryptophyte Biomass	5.66E+07	99.17	Good
CB6.1	Spring1	BP	Cyanobacteria Abundance	7.79E+05	70.97	Poor
CB6.4	Spring1	BP	Total Biomass	4.91E+08	21.77	Poor
CB6.4	Spring1	BP	Biomass to Abundance Ratio	95.39	18.87	Poor
CB6.4	Spring1	BP	Margalef Diversity Index	2.32	25.35	Poor
CB6.4	Spring1	BP	Diatom Biomass	3.88E+08	27.62	Poor
CB6.4	Spring1	BP	Dinoflagellate Biomass	3.40E+07	47.04	Fair
CB6.4	Spring1	BP	Cyanobacteria Biomass	2.37E+06	82.07	Poor
CB6.4	Spring1	BP	Chlorophyte Biomass	8.49E+05	75.88	Good
CB6.4	Spring1	BP	Picoplankton Biomass	8.57E+06	45.59	Fair
CB6.4	Spring1	BP	Cryptophyte Biomass	2.24E+07	72.01	Good
CB6.4	Spring1	BP	Cyanobacteria Abundance	5.39E+05	87.76	Poor
CB7.3E	Spring1	BP	Total Biomass	6.14E+08	29.01	Poor
CB7.3E	Spring1	BP	Biomass to Abundance Ratio	97.31	19.14	Poor
CB7.3E	Spring1	BP	Margalef Diversity Index	2.66	55.99	Fair
CB7.3E	Spring1	BP	Diatom Biomass	5.10E+08	38.00	Poor
CB7.3E	Spring1	BP	Dinoflagellate Biomass	5.78E+07	60.17	Poor
CB7.3E	Spring1	BP	Cyanobacteria Biomass	2.81E+06	81.90	Poor
CB7.3E	Spring1	BP	Chlorophyte Biomass	7.52E+04	61.53	Good
CB7.3E	Spring1	BP	Picoplankton Biomass	4.24E+06	20.08	Good
CB7.3E	Spring1	BP	Cryptophyte Biomass	1.11E+07	68.45	Good
CB7.3E	Spring1	BP	Cyanobacteria Abundance	3.70E+05	86.26	Poor
CB7.4	Spring1	BP	Total Biomass	5.43E+08	25.09	Poor
CB7.4	Spring1	BP	Biomass to Abundance Ratio	99.58	20.32	Poor
CB7.4	Spring1	BP	Margalef Diversity Index	2.39	31.65	Poor
CB7.4	Spring1	BP	Diatom Biomass	3.83E+08	30.21	Poor
CB7.4	Spring1	BP	Dinoflagellate Biomass	3.51E+07	46.10	Fair
CB7.4	Spring1	BP	Cyanobacteria Biomass	1.87E+06	80.02	Poor
CB7.4	Spring1	BP	Chlorophyte Biomass	1.24E+04	48.03	Fair
CB7.4	Spring1	BP	Picoplankton Biomass	4.14E+06	19.35	Good
CB7.4	Spring1	BP	Cryptophyte Biomass	1.19E+07	68.80	Good
CB7.4	Spring1	BP	Cyanobacteria Abundance	2.46E+05	84.24	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF5.5	Spring2	BP	Total Biomass	3.60E+09	64.95	Good
TF5.5	Spring2	BP	Biomass to Abundance Ratio	53.67	21.06	Poor
TF5.5	Spring2	BP	Margalef Diversity Index	2.27	66.77	Good
TF5.5	Spring2	BP	Diatom Biomass	1.87E+09	61.77	Good
TF5.5	Spring2	BP	Dinoflagellate Biomass	8.73E+05	86.80	Poor
TF5.5	Spring2	BP	Cyanobacteria Biomass	1.21E+08	68.06	Poor
TF5.5	Spring2	BP	Chlorophyte Biomass	8.03E+08	80.92	Good
TF5.5	Spring2	BP	Picoplankton Biomass	4.94E+07	63.65	Poor
TF5.5	Spring2	BP	Cryptophyte Biomass	6.55E+07	94.19	Good
TF5.5	Spring2	BP	Cyanobacteria Abundance	1.86E+07	80.34	Poor
RET5.2	Spring2	BP	Total Biomass	1.30E+09	57.18	Fair
RET5.2	Spring2	BP	Biomass to Abundance Ratio	58.52	34.85	Poor
RET5.2	Spring2	BP	Margalef Diversity Index	1.72	53.33	Fair
RET5.2	Spring2	BP	Diatom Biomass	1.07E+09	65.71	Good
RET5.2	Spring2	BP	Dinoflagellate Biomass	2.58E+06	73.22	Poor
RET5.2	Spring2	BP	Cyanobacteria Biomass	4.91E+07	69.51	Poor
RET5.2	Spring2	BP	Chlorophyte Biomass	1.45E+08	78.55	Good
RET5.2	Spring2	BP	Picoplankton Biomass	1.96E+08	74.93	Poor
RET5.2	Spring2	BP	Cryptophyte Biomass	4.09E+07	90.07	Good
RET5.2	Spring2	BP	Cyanobacteria Abundance	4.70E+06	73.17	Poor
LE5.5	Spring2	BP	Total Biomass	3.80E+08	26.70	Poor
LE5.5	Spring2	BP	Biomass to Abundance Ratio	80.89	18.12	Poor
LE5.5	Spring2	BP	Margalef Diversity Index	2.53	54.36	Fair
LE5.5	Spring2	BP	Diatom Biomass	2.10E+08	29.89	Poor
LE5.5	Spring2	BP	Dinoflagellate Biomass	7.57E+07	62.84	Poor
LE5.5	Spring2	BP	Cyanobacteria Biomass	1.67E+06	76.53	Poor
LE5.5	Spring2	BP	Chlorophyte Biomass	1.73E+06	82.08	Good
LE5.5	Spring2	BP	Picoplankton Biomass	5.37E+07	54.50	Fair
LE5.5	Spring2	BP	Cryptophyte Biomass	2.16E+07	70.60	Good
LE5.5	Spring2	BP	Cyanobacteria Abundance	2.27E+05	83.25	Poor
SBE5	Spring2	BP	Total Biomass	2.33E+08	7.76	Poor
SBE5	Spring2	BP	Biomass to Abundance Ratio	34.76	3.92	Poor
SBE5	Spring2	BP	Margalef Diversity Index	1.39	23.17	Poor
SBE5	Spring2	BP	Diatom Biomass	1.18E+08	14.93	Poor
SBE5	Spring2	BP	Dinoflagellate Biomass	5.64E+06	51.90	Fair
SBE5	Spring2	BP	Cyanobacteria Biomass	1.91E+06	41.40	Good
SBE5	Spring2	BP	Chlorophyte Biomass	5.47E+05	73.47	Good
SBE5	Spring2	BP	Picoplankton Biomass	1.63E+07	51.25	Fair
SBE5	Spring2	BP	Cryptophyte Biomass	1.05E+07	98.68	Good
SBE5	Spring2	BP	Cyanobacteria Abundance	6.19E+05	53.72	Fair

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF4.2	Spring2	BP	Total Biomass	6.31E+08	23.41	Poor
TF4.2	Spring2	BP	Biomass to Abundance Ratio	67.51	26.12	Poor
TF4.2	Spring2	BP	Margalef Diversity Index	1.55	16.30	Poor
TF4.2	Spring2	BP	Diatom Biomass	3.85E+08	24.64	Poor
TF4.2	Spring2	BP	Dinoflagellate Biomass	3.25E+05	83.56	Poor
TF4.2	Spring2	BP	Cyanobacteria Biomass	5.36E+06	47.96	Fair
TF4.2	Spring2	BP	Chlorophyte Biomass	9.33E+07	63.23	Good
TF4.2	Spring2	BP	Picoplankton Biomass	1.59E+07	37.47	Good
TF4.2	Spring2	BP	Cryptophyte Biomass	2.77E+07	93.00	Good
TF4.2	Spring2	BP	Cyanobacteria Abundance	9.19E+05	48.91	Fair
RET4.3	Spring2	BP	Total Biomass	9.00E+08	29.27	Poor
RET4.3	Spring2	BP	Biomass to Abundance Ratio	56.82	8.60	Poor
RET4.3	Spring2	BP	Margalef Diversity Index	1.58	43.27	Fair
RET4.3	Spring2	BP	Diatom Biomass	7.12E+08	53.86	Fair
RET4.3	Spring2	BP	Dinoflagellate Biomass	6.81E+06	53.86	Fair
RET4.3	Spring2	BP	Cyanobacteria Biomass	1.79E+07	55.70	Fair
RET4.3	Spring2	BP	Chlorophyte Biomass	6.85E+07	89.29	Good
RET4.3	Spring2	BP	Picoplankton Biomass	1.63E+07	51.17	Fair
RET4.3	Spring2	BP	Cryptophyte Biomass	4.64E+07	99.17	Good
RET4.3	Spring2	BP	Cyanobacteria Abundance	2.35E+06	72.94	Poor
WE4.2	Spring2	BP	Total Biomass	6.24E+08	32.49	Poor
WE4.2	Spring2	BP	Biomass to Abundance Ratio	97.20	24.32	Poor
WE4.2	Spring2	BP	Margalef Diversity Index	2.69	53.12	Fair
WE4.2	Spring2	BP	Diatom Biomass	4.87E+08	42.99	Fair
WE4.2	Spring2	BP	Dinoflagellate Biomass	6.91E+07	59.89	Poor
WE4.2	Spring2	BP	Cyanobacteria Biomass	2.54E+06	78.46	Poor
WE4.2	Spring2	BP	Chlorophyte Biomass	6.98E+05	77.92	Good
WE4.2	Spring2	BP	Picoplankton Biomass	1.00E+08	57.67	Poor
WE4.2	Spring2	BP	Cryptophyte Biomass	1.98E+07	70.16	Good
WE4.2	Spring2	BP	Cyanobacteria Abundance	3.68E+05	85.09	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF3.3	Spring2	BP	Total Biomass	2.39E+09	71.46	Good
TF3.3	Spring2	BP	Biomass to Abundance Ratio	56.05	33.70	Poor
TF3.3	Spring2	BP	Margalef Diversity Index	1.90	67.69	Good
TF3.3	Spring2	BP	Diatom Biomass	1.47E+09	69.06	Good
TF3.3	Spring2	BP	Dinoflagellate Biomass	2.25E+04	46.48	Fair
TF3.3	Spring2	BP	Cyanobacteria Biomass	7.47E+07	71.72	Poor
TF3.3	Spring2	BP	Chlorophyte Biomass	5.24E+08	83.81	Good
TF3.3	Spring2	BP	Picoplankton Biomass	1.69E+08	71.95	Poor
TF3.3	Spring2	BP	Cryptophyte Biomass	3.08E+07	89.51	Good
TF3.3	Spring2	BP	Cyanobacteria Abundance	1.16E+07	81.07	Poor
RET3.1	Spring2	BP	Total Biomass	9.94E+08	31.74	Poor
RET3.1	Spring2	BP	Biomass to Abundance Ratio	35.85	4.12	Poor
RET3.1	Spring2	BP	Margalef Diversity Index	1.31	16.60	Poor
RET3.1	Spring2	BP	Diatom Biomass	8.80E+08	59.34	Good
RET3.1	Spring2	BP	Dinoflagellate Biomass	2.18E+05	21.83	Good
RET3.1	Spring2	BP	Cyanobacteria Biomass	4.44E+07	61.38	Poor
RET3.1	Spring2	BP	Chlorophyte Biomass	6.94E+07	89.32	Good
RET3.1	Spring2	BP	Picoplankton Biomass	1.58E+08	88.37	Poor
RET3.1	Spring2	BP	Cryptophyte Biomass	7.69E+07	99.29	Good
RET3.1	Spring2	BP	Cyanobacteria Abundance	1.73E+07	90.48	Poor
LE3.6	Spring2	BP	Total Biomass	7.61E+08	23.38	Poor
LE3.6	Spring2	BP	Biomass to Abundance Ratio	82.78	13.53	Poor
LE3.6	Spring2	BP	Margalef Diversity Index	2.37	92.32	Good
LE3.6	Spring2	BP	Diatom Biomass	4.67E+08	41.91	Poor
LE3.6	Spring2	BP	Dinoflagellate Biomass	5.35E+07	73.26	Poor
LE3.6	Spring2	BP	Cyanobacteria Biomass	6.30E+06	48.73	Fair
LE3.6	Spring2	BP	Chlorophyte Biomass	2.23E+06	78.54	Good
LE3.6	Spring2	BP	Picoplankton Biomass	1.34E+08	91.01	Poor
LE3.6	Spring2	BP	Cryptophyte Biomass	2.72E+07	98.94	Good
LE3.6	Spring2	BP	Cyanobacteria Abundance	8.77E+05	57.06	Fair

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
CB6.1	Spring2	BP	Total Biomass	4.45E+08	13.09	Poor
CB6.1	Spring2	BP	Biomass to Abundance Ratio	82.17	15.72	Poor
CB6.1	Spring2	BP	Margalef Diversity Index	2.34	95.28	Good
CB6.1	Spring2	BP	Diatom Biomass	2.73E+08	30.92	Poor
CB6.1	Spring2	BP	Dinoflagellate Biomass	2.82E+07	69.81	Poor
CB6.1	Spring2	BP	Cyanobacteria Biomass	3.73E+06	45.21	Fair
CB6.1	Spring2	BP	Chlorophyte Biomass	6.39E+05	74.22	Good
CB6.1	Spring2	BP	Picoplankton Biomass	7.23E+07	85.69	Poor
CB6.1	Spring2	BP	Cryptophyte Biomass	2.02E+07	98.89	Good
CB6.1	Spring2	BP	Cyanobacteria Abundance	6.88E+05	51.06	Fair
CB6.4	Spring2	BP	Total Biomass	4.06E+08	26.62	Poor
CB6.4	Spring2	BP	Biomass to Abundance Ratio	80.88	13.42	Poor
CB6.4	Spring2	BP	Margalef Diversity Index	2.08	27.30	Poor
CB6.4	Spring2	BP	Diatom Biomass	2.05E+08	31.59	Poor
CB6.4	Spring2	BP	Dinoflagellate Biomass	4.91E+07	55.39	Fair
CB6.4	Spring2	BP	Cyanobacteria Biomass	2.37E+06	79.35	Poor
CB6.4	Spring2	BP	Chlorophyte Biomass	1.00E+06	80.23	Good
CB6.4	Spring2	BP	Picoplankton Biomass	1.09E+08	81.27	Poor
CB6.4	Spring2	BP	Cryptophyte Biomass	2.84E+07	70.78	Good
CB6.4	Spring2	BP	Cyanobacteria Abundance	6.24E+05	87.37	Poor
CB7.3E	Spring2	BP	Total Biomass	5.08E+08	34.95	Poor
CB7.3E	Spring2	BP	Biomass to Abundance Ratio	74.78	15.97	Poor
CB7.3E	Spring2	BP	Margalef Diversity Index	2.09	15.40	Poor
CB7.3E	Spring2	BP	Diatom Biomass	1.27E+08	19.45	Poor
CB7.3E	Spring2	BP	Dinoflagellate Biomass	6.22E+07	59.86	Poor
CB7.3E	Spring2	BP	Cyanobacteria Biomass	2.81E+06	79.16	Poor
CB7.3E	Spring2	BP	Chlorophyte Biomass	6.36E+05	77.42	Good
CB7.3E	Spring2	BP	Picoplankton Biomass	9.71E+07	48.55	Fair
CB7.3E	Spring2	BP	Cryptophyte Biomass	9.93E+06	66.50	Fair
CB7.3E	Spring2	BP	Cyanobacteria Abundance	3.70E+05	85.80	Poor
CB7.4	Spring2	BP	Total Biomass	3.60E+08	25.28	Poor
CB7.4	Spring2	BP	Biomass to Abundance Ratio	70.37	14.38	Poor
CB7.4	Spring2	BP	Margalef Diversity Index	2.18	22.21	Poor
CB7.4	Spring2	BP	Diatom Biomass	2.45E+08	33.49	Poor
CB7.4	Spring2	BP	Dinoflagellate Biomass	7.33E+07	62.22	Poor
CB7.4	Spring2	BP	Cyanobacteria Biomass	2.70E+06	78.31	Poor
CB7.4	Spring2	BP	Chlorophyte Biomass	1.46E+06	79.86	Good
CB7.4	Spring2	BP	Picoplankton Biomass	4.68E+07	41.19	Good
CB7.4	Spring2	BP	Cryptophyte Biomass	1.92E+07	69.64	Good
CB7.4	Spring2	BP	Cyanobacteria Abundance	3.71E+05	85.30	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF5.5	Summer1	BP	Total Biomass	6.40E+09	74.87	Good
TF5.5	Summer1	BP	Biomass to Abundance Ratio	46.41	29.52	Poor
TF5.5	Summer1	BP	Margalef Diversity Index	2.58	59.16	Fair
TF5.5	Summer1	BP	Diatom Biomass	2.69E+09	72.95	Good
TF5.5	Summer1	BP	Dinoflagellate Biomass	2.64E+06	79.16	Poor
TF5.5	Summer1	BP	Cyanobacteria Biomass	2.04E+08	57.64	Fair
TF5.5	Summer1	BP	Chlorophyte Biomass	1.83E+09	82.57	Good
TF5.5	Summer1	BP	Picoplankton Biomass	2.40E+08	66.72	Poor
TF5.5	Summer1	BP	Cryptophyte Biomass	4.78E+07	89.73	Good
TF5.5	Summer1	BP	Cyanobacteria Abundance	6.75E+07	77.51	Poor
RET5.2	Summer1	BP	Total Biomass	1.31E+09	56.60	Fair
RET5.2	Summer1	BP	Biomass to Abundance Ratio	40.70	34.65	Poor
RET5.2	Summer1	BP	Margalef Diversity Index	1.78	42.25	Fair
RET5.2	Summer1	BP	Diatom Biomass	9.13E+08	68.95	Good
RET5.2	Summer1	BP	Dinoflagellate Biomass	6.96E+06	71.01	Poor
RET5.2	Summer1	BP	Cyanobacteria Biomass	6.11E+07	57.95	Poor
RET5.2	Summer1	BP	Chlorophyte Biomass	1.90E+08	77.04	Good
RET5.2	Summer1	BP	Picoplankton Biomass	2.96E+08	41.94	Good
RET5.2	Summer1	BP	Cryptophyte Biomass	3.27E+07	88.30	Good
RET5.2	Summer1	BP	Cyanobacteria Abundance	7.32E+06	62.76	Poor
LE5.5	Summer1	BP	Total Biomass	3.74E+08	55.30	Fair
LE5.5	Summer1	BP	Biomass to Abundance Ratio	76.77	31.61	Poor
LE5.5	Summer1	BP	Margalef Diversity Index	2.56	65.15	Good
LE5.5	Summer1	BP	Diatom Biomass	2.46E+08	67.21	Good
LE5.5	Summer1	BP	Dinoflagellate Biomass	7.33E+07	70.99	Poor
LE5.5	Summer1	BP	Cyanobacteria Biomass	1.19E+06	77.70	Poor
LE5.5	Summer1	BP	Chlorophyte Biomass	4.07E+04	81.81	Good
LE5.5	Summer1	BP	Picoplankton Biomass	5.60E+08	81.94	Poor
LE5.5	Summer1	BP	Cryptophyte Biomass	1.75E+07	72.16	Good
LE5.5	Summer1	BP	Cyanobacteria Abundance	1.78E+05	82.45	Poor
SBE5	Summer1	BP	Total Biomass	2.08E+08	13.26	Poor
SBE5	Summer1	BP	Biomass to Abundance Ratio	39.97	8.24	Poor
SBE5	Summer1	BP	Margalef Diversity Index	1.56	35.16	Poor
SBE5	Summer1	BP	Diatom Biomass	1.32E+08	46.24	Fair
SBE5	Summer1	BP	Dinoflagellate Biomass	1.72E+07	64.49	Poor
SBE5	Summer1	BP	Cyanobacteria Biomass	2.95E+06	40.83	Good
SBE5	Summer1	BP	Chlorophyte Biomass	1.02E+06	86.80	Good
SBE5	Summer1	BP	Picoplankton Biomass	1.41E+08	30.72	Good
SBE5	Summer1	BP	Cryptophyte Biomass	1.65E+07	98.63	Good
SBE5	Summer1	BP	Cyanobacteria Abundance	5.19E+05	41.40	Good

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF4.2	Summer1	BP	Total Biomass	7.58E+08	27.15	Poor
TF4.2	Summer1	BP	Biomass to Abundance Ratio	49.39	31.26	Poor
TF4.2	Summer1	BP	Margalef Diversity Index	1.88	16.72	Poor
TF4.2	Summer1	BP	Diatom Biomass	3.75E+08	28.12	Poor
TF4.2	Summer1	BP	Dinoflagellate Biomass	1.62E+06	78.59	Poor
TF4.2	Summer1	BP	Cyanobacteria Biomass	9.61E+06	27.63	Good
TF4.2	Summer1	BP	Chlorophyte Biomass	1.10E+08	63.08	Good
TF4.2	Summer1	BP	Picoplankton Biomass	1.54E+08	45.03	Fair
TF4.2	Summer1	BP	Cryptophyte Biomass	2.14E+07	88.04	Good
TF4.2	Summer1	BP	Cyanobacteria Abundance	2.45E+06	28.02	Good
RET4.3	Summer1	BP	Total Biomass	1.05E+09	47.53	Fair
RET4.3	Summer1	BP	Biomass to Abundance Ratio	38.99	7.97	Poor
RET4.3	Summer1	BP	Margalef Diversity Index	1.51	30.94	Poor
RET4.3	Summer1	BP	Diatom Biomass	7.26E+08	65.93	Good
RET4.3	Summer1	BP	Dinoflagellate Biomass	3.26E+07	70.49	Poor
RET4.3	Summer1	BP	Cyanobacteria Biomass	1.76E+07	52.03	Fair
RET4.3	Summer1	BP	Chlorophyte Biomass	4.15E+06	90.44	Good
RET4.3	Summer1	BP	Picoplankton Biomass	2.74E+08	60.29	Poor
RET4.3	Summer1	BP	Cryptophyte Biomass	3.61E+07	98.91	Good
RET4.3	Summer1	BP	Cyanobacteria Abundance	2.41E+06	64.53	Poor
WE4.2	Summer1	BP	Total Biomass	6.17E+08	74.99	Good
WE4.2	Summer1	BP	Biomass to Abundance Ratio	98.60	44.58	Fair
WE4.2	Summer1	BP	Margalef Diversity Index	2.47	57.62	Fair
WE4.2	Summer1	BP	Diatom Biomass	5.71E+08	88.08	Good
WE4.2	Summer1	BP	Dinoflagellate Biomass	3.54E+07	59.79	Poor
WE4.2	Summer1	BP	Cyanobacteria Biomass	1.73E+06	79.24	Poor
WE4.2	Summer1	BP	Chlorophyte Biomass	6.55E+05	91.09	Good
WE4.2	Summer1	BP	Picoplankton Biomass	3.32E+08	67.08	Poor
WE4.2	Summer1	BP	Cryptophyte Biomass	1.38E+07	70.40	Good
WE4.2	Summer1	BP	Cyanobacteria Abundance	2.27E+05	83.56	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF3.3	Summer1	BP	Total Biomass	1.65E+09	61.50	Good
TF3.3	Summer1	BP	Biomass to Abundance Ratio	33.18	29.64	Poor
TF3.3	Summer1	BP	Margalef Diversity Index	1.94	53.85	Fair
TF3.3	Summer1	BP	Diatom Biomass	1.34E+09	73.44	Good
TF3.3	Summer1	BP	Dinoflagellate Biomass	1.02E+07	72.81	Poor
TF3.3	Summer1	BP	Cyanobacteria Biomass	1.06E+08	62.40	Poor
TF3.3	Summer1	BP	Chlorophyte Biomass	1.57E+08	75.35	Good
TF3.3	Summer1	BP	Picoplankton Biomass	8.04E+08	84.45	Poor
TF3.3	Summer1	BP	Cryptophyte Biomass	1.91E+07	87.04	Good
TF3.3	Summer1	BP	Cyanobacteria Abundance	2.71E+07	77.54	Poor
RET3.1	Summer1	BP	Total Biomass	1.60E+09	58.09	Fair
RET3.1	Summer1	BP	Biomass to Abundance Ratio	35.83	7.09	Poor
RET3.1	Summer1	BP	Margalef Diversity Index	1.66	43.99	Fair
RET3.1	Summer1	BP	Diatom Biomass	1.05E+09	69.47	Good
RET3.1	Summer1	BP	Dinoflagellate Biomass	1.99E+07	60.82	Poor
RET3.1	Summer1	BP	Cyanobacteria Biomass	7.68E+07	61.46	Poor
RET3.1	Summer1	BP	Chlorophyte Biomass	1.40E+07	92.68	Good
RET3.1	Summer1	BP	Picoplankton Biomass	1.04E+09	94.68	Poor
RET3.1	Summer1	BP	Cryptophyte Biomass	3.80E+07	98.93	Good
RET3.1	Summer1	BP	Cyanobacteria Abundance	1.91E+07	86.95	Poor
LE3.6	Summer1	BP	Total Biomass	7.76E+08	39.37	Poor
LE3.6	Summer1	BP	Biomass to Abundance Ratio	76.42	19.10	Poor
LE3.6	Summer1	BP	Margalef Diversity Index	2.33	87.70	Good
LE3.6	Summer1	BP	Diatom Biomass	3.96E+08	59.26	Good
LE3.6	Summer1	BP	Dinoflagellate Biomass	1.06E+08	80.25	Poor
LE3.6	Summer1	BP	Cyanobacteria Biomass	3.30E+06	41.54	Good
LE3.6	Summer1	BP	Chlorophyte Biomass	1.04E+06	87.23	Good
LE3.6	Summer1	BP	Picoplankton Biomass	6.42E+08	88.06	Poor
LE3.6	Summer1	BP	Cryptophyte Biomass	1.40E+07	98.57	Good
LE3.6	Summer1	BP	Cyanobacteria Abundance	4.35E+05	38.77	Good

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
CB6.1	Summer1	BP	Total Biomass	2.74E+08	17.15	Poor
CB6.1	Summer1	BP	Biomass to Abundance Ratio	70.03	17.16	Poor
CB6.1	Summer1	BP	Margalef Diversity Index	1.87	62.68	Good
CB6.1	Summer1	BP	Diatom Biomass	2.46E+08	53.73	Fair
CB6.1	Summer1	BP	Dinoflagellate Biomass	3.65E+07	71.91	Poor
CB6.1	Summer1	BP	Cyanobacteria Biomass	3.37E+06	41.67	Good
CB6.1	Summer1	BP	Chlorophyte Biomass	2.37E+05	82.78	Good
CB6.1	Summer1	BP	Picoplankton Biomass	2.14E+08	48.98	Fair
CB6.1	Summer1	BP	Cryptophyte Biomass	6.14E+06	98.17	Good
CB6.1	Summer1	BP	Cyanobacteria Abundance	4.60E+05	39.61	Good
CB6.4	Summer1	BP	Total Biomass	4.12E+08	56.94	Fair
CB6.4	Summer1	BP	Biomass to Abundance Ratio	101.52	46.23	Fair
CB6.4	Summer1	BP	Margalef Diversity Index	2.07	24.74	Poor
CB6.4	Summer1	BP	Diatom Biomass	1.67E+08	54.08	Fair
CB6.4	Summer1	BP	Dinoflagellate Biomass	5.98E+07	67.42	Poor
CB6.4	Summer1	BP	Cyanobacteria Biomass	3.16E+06	81.94	Poor
CB6.4	Summer1	BP	Chlorophyte Biomass	3.06E+06	94.02	Good
CB6.4	Summer1	BP	Picoplankton Biomass	3.47E+08	68.63	Poor
CB6.4	Summer1	BP	Cryptophyte Biomass	1.85E+07	72.35	Good
CB6.4	Summer1	BP	Cyanobacteria Abundance	4.16E+05	86.53	Poor
CB7.3E	Summer1	BP	Total Biomass	6.59E+08	75.85	Good
CB7.3E	Summer1	BP	Biomass to Abundance Ratio	70.49	27.68	Poor
CB7.3E	Summer1	BP	Margalef Diversity Index	2.15	30.36	Poor
CB7.3E	Summer1	BP	Diatom Biomass	4.65E+08	84.27	Good
CB7.3E	Summer1	BP	Dinoflagellate Biomass	5.67E+07	67.26	Poor
CB7.3E	Summer1	BP	Cyanobacteria Biomass	3.29E+06	82.02	Poor
CB7.3E	Summer1	BP	Chlorophyte Biomass	6.20E+04	81.53	Good
CB7.3E	Summer1	BP	Picoplankton Biomass	2.86E+08	61.87	Poor
CB7.3E	Summer1	BP	Cryptophyte Biomass	2.06E+07	72.67	Good
CB7.3E	Summer1	BP	Cyanobacteria Abundance	5.70E+05	87.79	Poor
CB7.4	Summer1	BP	Total Biomass	5.59E+08	71.34	Good
CB7.4	Summer1	BP	Biomass to Abundance Ratio	84.39	36.24	Poor
CB7.4	Summer1	BP	Margalef Diversity Index	2.14	29.92	Poor
CB7.4	Summer1	BP	Diatom Biomass	3.93E+08	80.87	Good
CB7.4	Summer1	BP	Dinoflagellate Biomass	6.26E+07	69.01	Poor
CB7.4	Summer1	BP	Cyanobacteria Biomass	1.93E+06	79.88	Poor
CB7.4	Summer1	BP	Chlorophyte Biomass	1.87E+06	93.32	Good
CB7.4	Summer1	BP	Picoplankton Biomass	1.79E+08	43.96	Fair
CB7.4	Summer1	BP	Cryptophyte Biomass	1.35E+07	70.85	Good
CB7.4	Summer1	BP	Cyanobacteria Abundance	2.87E+05	84.83	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF5.5	Summer2	BP	Total Biomass	6.15E+09	74.30	Good
TF5.5	Summer2	BP	Biomass to Abundance Ratio	42.17	32.58	Poor
TF5.5	Summer2	BP	Margalef Diversity Index	2.74	67.02	Good
TF5.5	Summer2	BP	Diatom Biomass	3.16E+09	78.03	Good
TF5.5	Summer2	BP	Dinoflagellate Biomass	8.71E+05	72.59	Poor
TF5.5	Summer2	BP	Cyanobacteria Biomass	2.04E+08	57.36	Fair
TF5.5	Summer2	BP	Chlorophyte Biomass	1.62E+09	81.20	Good
TF5.5	Summer2	BP	Picoplankton Biomass	1.59E+08	49.85	Fair
TF5.5	Summer2	BP	Cryptophyte Biomass	6.73E+07	89.22	Good
TF5.5	Summer2	BP	Cyanobacteria Abundance	7.83E+07	80.84	Poor
RET5.2	Summer2	BP	Total Biomass	1.29E+09	56.69	Fair
RET5.2	Summer2	BP	Biomass to Abundance Ratio	41.64	37.13	Poor
RET5.2	Summer2	BP	Margalef Diversity Index	1.81	48.05	Fair
RET5.2	Summer2	BP	Diatom Biomass	8.41E+08	71.19	Good
RET5.2	Summer2	BP	Dinoflagellate Biomass	6.44E+06	59.78	Poor
RET5.2	Summer2	BP	Cyanobacteria Biomass	5.65E+07	55.54	Fair
RET5.2	Summer2	BP	Chlorophyte Biomass	2.24E+08	75.38	Good
RET5.2	Summer2	BP	Picoplankton Biomass	2.64E+08	38.17	Good
RET5.2	Summer2	BP	Cryptophyte Biomass	3.27E+07	88.29	Good
RET5.2	Summer2	BP	Cyanobacteria Abundance	8.23E+06	59.87	Poor
LE5.5	Summer2	BP	Total Biomass	5.00E+08	69.24	Good
LE5.5	Summer2	BP	Biomass to Abundance Ratio	103.24	47.68	Fair
LE5.5	Summer2	BP	Margalef Diversity Index	2.59	67.29	Good
LE5.5	Summer2	BP	Diatom Biomass	4.70E+08	84.52	Good
LE5.5	Summer2	BP	Dinoflagellate Biomass	8.74E+07	74.26	Poor
LE5.5	Summer2	BP	Cyanobacteria Biomass	2.01E+06	79.81	Poor
LE5.5	Summer2	BP	Chlorophyte Biomass	3.80E+04	83.08	Good
LE5.5	Summer2	BP	Picoplankton Biomass	5.69E+08	83.43	Poor
LE5.5	Summer2	BP	Cryptophyte Biomass	1.02E+07	70.72	Good
LE5.5	Summer2	BP	Cyanobacteria Abundance	1.99E+05	82.08	Poor
SBE5	Summer2	BP	Total Biomass	1.79E+08	13.85	Poor
SBE5	Summer2	BP	Biomass to Abundance Ratio	37.43	10.61	Poor
SBE5	Summer2	BP	Margalef Diversity Index	1.60	37.72	Poor
SBE5	Summer2	BP	Diatom Biomass	1.14E+08	48.70	Fair
SBE5	Summer2	BP	Dinoflagellate Biomass	2.16E+07	68.53	Poor
SBE5	Summer2	BP	Cyanobacteria Biomass	2.86E+06	45.79	Fair
SBE5	Summer2	BP	Chlorophyte Biomass	2.50E+06	88.81	Good
SBE5	Summer2	BP	Picoplankton Biomass	1.49E+08	36.71	Good
SBE5	Summer2	BP	Cryptophyte Biomass	1.71E+07	98.63	Good
SBE5	Summer2	BP	Cyanobacteria Abundance	4.83E+05	40.42	Good

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF4.2	Summer2	BP	Total Biomass	7.58E+08	29.11	Poor
TF4.2	Summer2	BP	Biomass to Abundance Ratio	41.41	32.03	Poor
TF4.2	Summer2	BP	Margalef Diversity Index	1.89	16.72	Poor
TF4.2	Summer2	BP	Diatom Biomass	2.49E+08	24.87	Poor
TF4.2	Summer2	BP	Dinoflagellate Biomass	1.62E+06	75.39	Poor
TF4.2	Summer2	BP	Cyanobacteria Biomass	9.62E+06	26.12	Good
TF4.2	Summer2	BP	Chlorophyte Biomass	8.17E+07	57.91	Fair
TF4.2	Summer2	BP	Picoplankton Biomass	1.54E+08	48.28	Fair
TF4.2	Summer2	BP	Cryptophyte Biomass	2.05E+07	86.56	Good
TF4.2	Summer2	BP	Cyanobacteria Abundance	4.34E+06	21.74	Good
RET4.3	Summer2	BP	Total Biomass	1.02E+09	50.82	Fair
RET4.3	Summer2	BP	Biomass to Abundance Ratio	32.86	9.06	Poor
RET4.3	Summer2	BP	Margalef Diversity Index	1.26	15.41	Poor
RET4.3	Summer2	BP	Diatom Biomass	7.95E+08	68.09	Good
RET4.3	Summer2	BP	Dinoflagellate Biomass	2.37E+07	69.37	Poor
RET4.3	Summer2	BP	Cyanobacteria Biomass	1.30E+07	54.74	Fair
RET4.3	Summer2	BP	Chlorophyte Biomass	3.46E+06	89.55	Good
RET4.3	Summer2	BP	Picoplankton Biomass	2.84E+08	64.28	Poor
RET4.3	Summer2	BP	Cryptophyte Biomass	3.25E+07	98.87	Good
RET4.3	Summer2	BP	Cyanobacteria Abundance	2.01E+06	61.37	Poor
WE4.2	Summer2	BP	Total Biomass	5.99E+08	75.61	Good
WE4.2	Summer2	BP	Biomass to Abundance Ratio	94.17	42.88	Fair
WE4.2	Summer2	BP	Margalef Diversity Index	2.42	53.76	Fair
WE4.2	Summer2	BP	Diatom Biomass	5.69E+08	87.83	Good
WE4.2	Summer2	BP	Dinoflagellate Biomass	3.28E+07	60.08	Poor
WE4.2	Summer2	BP	Cyanobacteria Biomass	2.96E+06	81.45	Poor
WE4.2	Summer2	BP	Chlorophyte Biomass	6.14E+05	91.78	Good
WE4.2	Summer2	BP	Picoplankton Biomass	3.45E+08	70.02	Poor
WE4.2	Summer2	BP	Cryptophyte Biomass	7.82E+06	69.34	Good
WE4.2	Summer2	BP	Cyanobacteria Abundance	3.89E+05	85.43	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF3.3	Summer2	BP	Total Biomass	1.58E+09	59.62	Good
TF3.3	Summer2	BP	Biomass to Abundance Ratio	32.91	30.72	Poor
TF3.3	Summer2	BP	Margalef Diversity Index	1.99	54.61	Fair
TF3.3	Summer2	BP	Diatom Biomass	1.37E+09	77.91	Good
TF3.3	Summer2	BP	Dinoflagellate Biomass	2.85E+07	77.10	Poor
TF3.3	Summer2	BP	Cyanobacteria Biomass	8.83E+07	59.47	Poor
TF3.3	Summer2	BP	Chlorophyte Biomass	4.49E+07	66.52	Good
TF3.3	Summer2	BP	Picoplankton Biomass	8.03E+08	85.66	Poor
TF3.3	Summer2	BP	Cryptophyte Biomass	2.97E+07	87.80	Good
TF3.3	Summer2	BP	Cyanobacteria Abundance	2.69E+07	76.50	Poor
RET3.1	Summer2	BP	Total Biomass	1.22E+09	55.74	Fair
RET3.1	Summer2	BP	Biomass to Abundance Ratio	35.80	10.06	Poor
RET3.1	Summer2	BP	Margalef Diversity Index	1.73	48.33	Fair
RET3.1	Summer2	BP	Diatom Biomass	7.91E+08	68.04	Good
RET3.1	Summer2	BP	Dinoflagellate Biomass	3.57E+07	72.96	Poor
RET3.1	Summer2	BP	Cyanobacteria Biomass	6.22E+07	63.68	Poor
RET3.1	Summer2	BP	Chlorophyte Biomass	1.28E+07	92.08	Good
RET3.1	Summer2	BP	Picoplankton Biomass	9.95E+08	94.22	Poor
RET3.1	Summer2	BP	Cryptophyte Biomass	3.24E+07	98.87	Good
RET3.1	Summer2	BP	Cyanobacteria Abundance	1.50E+07	84.03	Poor
LE3.6	Summer2	BP	Total Biomass	7.82E+08	43.80	Fair
LE3.6	Summer2	BP	Biomass to Abundance Ratio	102.95	31.13	Poor
LE3.6	Summer2	BP	Margalef Diversity Index	2.43	86.84	Good
LE3.6	Summer2	BP	Diatom Biomass	5.16E+08	64.02	Good
LE3.6	Summer2	BP	Dinoflagellate Biomass	8.63E+07	79.47	Poor
LE3.6	Summer2	BP	Cyanobacteria Biomass	2.55E+06	45.01	Fair
LE3.6	Summer2	BP	Chlorophyte Biomass	6.00E+06	90.35	Good
LE3.6	Summer2	BP	Picoplankton Biomass	8.11E+08	91.19	Poor
LE3.6	Summer2	BP	Cryptophyte Biomass	1.34E+07	98.53	Good
LE3.6	Summer2	BP	Cyanobacteria Abundance	3.49E+05	35.74	Good

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
CB6.1	Summer2	BP	Total Biomass	3.67E+08	25.77	Poor
CB6.1	Summer2	BP	Biomass to Abundance Ratio	80.49	25.07	Poor
CB6.1	Summer2	BP	Margalef Diversity Index	1.86	58.23	Fair
CB6.1	Summer2	BP	Diatom Biomass	3.27E+08	59.52	Good
CB6.1	Summer2	BP	Dinoflagellate Biomass	5.14E+07	75.48	Poor
CB6.1	Summer2	BP	Cyanobacteria Biomass	3.32E+06	46.67	Fair
CB6.1	Summer2	BP	Chlorophyte Biomass	0.00E+00	20.23	Poor
CB6.1	Summer2	BP	Picoplankton Biomass	3.19E+08	65.33	Poor
CB6.1	Summer2	BP	Cryptophyte Biomass	1.02E+07	98.36	Good
CB6.1	Summer2	BP	Cyanobacteria Abundance	4.46E+05	39.26	Good
CB6.4	Summer2	BP	Total Biomass	5.41E+08	72.08	Good
CB6.4	Summer2	BP	Biomass to Abundance Ratio	101.48	46.78	Fair
CB6.4	Summer2	BP	Margalef Diversity Index	2.11	28.36	Poor
CB6.4	Summer2	BP	Diatom Biomass	2.34E+08	66.44	Good
CB6.4	Summer2	BP	Dinoflagellate Biomass	4.19E+07	63.92	Poor
CB6.4	Summer2	BP	Cyanobacteria Biomass	3.30E+06	81.90	Poor
CB6.4	Summer2	BP	Chlorophyte Biomass	4.16E+06	95.15	Good
CB6.4	Summer2	BP	Picoplankton Biomass	3.45E+08	69.96	Poor
CB6.4	Summer2	BP	Cryptophyte Biomass	1.54E+07	72.72	Good
CB6.4	Summer2	BP	Cyanobacteria Abundance	4.34E+05	85.93	Poor
CB7.3E	Summer2	BP	Total Biomass	7.91E+08	83.55	Good
CB7.3E	Summer2	BP	Biomass to Abundance Ratio	73.82	31.00	Poor
CB7.3E	Summer2	BP	Margalef Diversity Index	2.60	67.51	Good
CB7.3E	Summer2	BP	Diatom Biomass	5.14E+08	86.15	Good
CB7.3E	Summer2	BP	Dinoflagellate Biomass	4.75E+07	65.80	Poor
CB7.3E	Summer2	BP	Cyanobacteria Biomass	2.70E+06	81.07	Poor
CB7.3E	Summer2	BP	Chlorophyte Biomass	1.33E+04	78.26	Good
CB7.3E	Summer2	BP	Picoplankton Biomass	2.97E+08	64.94	Poor
CB7.3E	Summer2	BP	Cryptophyte Biomass	1.40E+07	72.27	Good
CB7.3E	Summer2	BP	Cyanobacteria Abundance	5.15E+05	86.66	Poor
CB7.4	Summer2	BP	Total Biomass	6.10E+08	76.20	Good
CB7.4	Summer2	BP	Biomass to Abundance Ratio	113.95	52.90	Fair
CB7.4	Summer2	BP	Margalef Diversity Index	2.20	35.50	Poor
CB7.4	Summer2	BP	Diatom Biomass	4.32E+08	82.86	Good
CB7.4	Summer2	BP	Dinoflagellate Biomass	6.09E+07	69.43	Poor
CB7.4	Summer2	BP	Cyanobacteria Biomass	1.94E+06	79.67	Poor
CB7.4	Summer2	BP	Chlorophyte Biomass	1.85E+06	93.92	Good
CB7.4	Summer2	BP	Picoplankton Biomass	1.58E+08	41.28	Good
CB7.4	Summer2	BP	Cryptophyte Biomass	1.33E+07	72.04	Good
CB7.4	Summer2	BP	Cyanobacteria Abundance	3.22E+05	84.54	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF5.5	Winter	BP	Total Biomass	1.75E+09	73.16	Good
TF5.5	Winter	BP	Biomass to Abundance Ratio	84.47	48.69	Fair
TF5.5	Winter	BP	Margalef Diversity Index	2.06	69.87	Good
TF5.5	Winter	BP	Diatom Biomass	1.39E+09	75.38	Good
TF5.5	Winter	BP	Dinoflagellate Biomass	2.26E+05	46.09	Fair
TF5.5	Winter	BP	Cyanobacteria Biomass	5.98E+07	74.07	Poor
TF5.5	Winter	BP	Chlorophyte Biomass	2.30E+08	84.67	Good
TF5.5	Winter	BP	Picoplankton Biomass	5.60E+06	64.00	Poor
TF5.5	Winter	BP	Cryptophyte Biomass	4.51E+07	88.64	Good
TF5.5	Winter	BP	Cyanobacteria Abundance	4.91E+06	81.99	Poor
RET5.2	Winter	BP	Total Biomass	1.59E+09	88.59	Good
RET5.2	Winter	BP	Biomass to Abundance Ratio	82.96	66.24	Good
RET5.2	Winter	BP	Margalef Diversity Index	1.58	46.58	Fair
RET5.2	Winter	BP	Diatom Biomass	1.20E+09	90.30	Good
RET5.2	Winter	BP	Dinoflagellate Biomass	0.00E+00	10.62	Good
RET5.2	Winter	BP	Cyanobacteria Biomass	1.33E+07	74.56	Poor
RET5.2	Winter	BP	Chlorophyte Biomass	3.25E+08	92.19	Good
RET5.2	Winter	BP	Picoplankton Biomass	8.21E+06	47.80	Fair
RET5.2	Winter	BP	Cryptophyte Biomass	5.08E+07	80.16	Good
RET5.2	Winter	BP	Cyanobacteria Abundance	2.71E+06	88.21	Poor
LE5.5	Winter	BP	Total Biomass	6.08E+08	36.68	Poor
LE5.5	Winter	BP	Biomass to Abundance Ratio	100.10	39.06	Poor
LE5.5	Winter	BP	Margalef Diversity Index	2.65	41.45	Poor
LE5.5	Winter	BP	Diatom Biomass	3.94E+08	31.19	Poor
LE5.5	Winter	BP	Dinoflagellate Biomass	1.14E+08	73.60	Poor
LE5.5	Winter	BP	Cyanobacteria Biomass	1.80E+06	91.21	Poor
LE5.5	Winter	BP	Chlorophyte Biomass	1.60E+06	90.71	Good
LE5.5	Winter	BP	Picoplankton Biomass	6.91E+06	44.28	Fair
LE5.5	Winter	BP	Cryptophyte Biomass	1.40E+07	65.99	Fair
LE5.5	Winter	BP	Cyanobacteria Abundance	2.20E+05	93.80	Poor
SBE5	Winter	BP	Total Biomass	4.08E+08	20.07	Poor
SBE5	Winter	BP	Biomass to Abundance Ratio	61.30	22.03	Poor
SBE5	Winter	BP	Margalef Diversity Index	2.68	79.06	Good
SBE5	Winter	BP	Diatom Biomass	2.57E+08	26.40	Poor
SBE5	Winter	BP	Dinoflagellate Biomass	2.29E+07	62.95	Poor
SBE5	Winter	BP	Cyanobacteria Biomass	1.48E+06	62.25	Poor
SBE5	Winter	BP	Chlorophyte Biomass	2.12E+06	84.84	Good
SBE5	Winter	BP	Picoplankton Biomass	1.95E+06	26.54	Good
SBE5	Winter	BP	Cryptophyte Biomass	1.05E+07	97.01	Good
SBE5	Winter	BP	Cyanobacteria Abundance	2.30E+05	68.80	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF4.2	Winter	BP	Total Biomass	1.20E+08	33.43	Poor
TF4.2	Winter	BP	Biomass to Abundance Ratio	28.97	20.16	Poor
TF4.2	Winter	BP	Margalef Diversity Index	1.60	26.87	Poor
TF4.2	Winter	BP	Diatom Biomass	8.55E+07	38.48	Fair
TF4.2	Winter	BP	Dinoflagellate Biomass	4.16E+04	42.35	Fair
TF4.2	Winter	BP	Cyanobacteria Biomass	1.10E+07	66.73	Poor
TF4.2	Winter	BP	Chlorophyte Biomass	7.31E+03	12.77	Poor
TF4.2	Winter	BP	Picoplankton Biomass	3.02E+06	47.34	Fair
TF4.2	Winter	BP	Cryptophyte Biomass	2.05E+07	87.36	Good
TF4.2	Winter	BP	Cyanobacteria Abundance	1.87E+06	75.77	Poor
RET4.3	Winter	BP	Total Biomass	8.85E+08	34.15	Poor
RET4.3	Winter	BP	Biomass to Abundance Ratio	51.81	17.34	Poor
RET4.3	Winter	BP	Margalef Diversity Index	2.17	49.84	Fair
RET4.3	Winter	BP	Diatom Biomass	7.72E+08	57.67	Fair
RET4.3	Winter	BP	Dinoflagellate Biomass	7.60E+07	63.59	Poor
RET4.3	Winter	BP	Cyanobacteria Biomass	1.00E+07	68.15	Poor
RET4.3	Winter	BP	Chlorophyte Biomass	8.83E+06	88.01	Good
RET4.3	Winter	BP	Picoplankton Biomass	2.83E+06	37.63	Fair
RET4.3	Winter	BP	Cryptophyte Biomass	1.77E+07	97.32	Good
RET4.3	Winter	BP	Cyanobacteria Abundance	2.73E+06	76.69	Poor
WE4.2	Winter	BP	Total Biomass	9.53E+08	55.07	Fair
WE4.2	Winter	BP	Biomass to Abundance Ratio	159.54	64.71	Good
WE4.2	Winter	BP	Margalef Diversity Index	2.93	59.93	Good
WE4.2	Winter	BP	Diatom Biomass	8.33E+08	58.94	Good
WE4.2	Winter	BP	Dinoflagellate Biomass	2.22E+08	81.85	Poor
WE4.2	Winter	BP	Cyanobacteria Biomass	2.10E+06	91.71	Poor
WE4.2	Winter	BP	Chlorophyte Biomass	7.74E+05	88.80	Good
WE4.2	Winter	BP	Picoplankton Biomass	7.54E+06	43.53	Fair
WE4.2	Winter	BP	Cryptophyte Biomass	1.76E+07	67.45	Good
WE4.2	Winter	BP	Cyanobacteria Abundance	2.82E+05	94.31	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
TF3.3	Winter	BP	Total Biomass	4.38E+08	54.48	Fair
TF3.3	Winter	BP	Biomass to Abundance Ratio	65.37	44.35	Fair
TF3.3	Winter	BP	Margalef Diversity Index	2.18	92.44	Good
TF3.3	Winter	BP	Diatom Biomass	3.08E+08	58.80	Fair
TF3.3	Winter	BP	Dinoflagellate Biomass	4.23E+05	64.88	Poor
TF3.3	Winter	BP	Cyanobacteria Biomass	1.28E+07	72.66	Poor
TF3.3	Winter	BP	Chlorophyte Biomass	1.01E+08	85.54	Good
TF3.3	Winter	BP	Picoplankton Biomass	1.24E+07	61.26	Fair
TF3.3	Winter	BP	Cryptophyte Biomass	1.55E+07	75.62	Good
TF3.3	Winter	BP	Cyanobacteria Abundance	2.05E+06	84.09	Poor
RET3.1	Winter	BP	Total Biomass	6.23E+08	27.46	Poor
RET3.1	Winter	BP	Biomass to Abundance Ratio	83.02	32.82	Poor
RET3.1	Winter	BP	Margalef Diversity Index	1.77	24.66	Poor
RET3.1	Winter	BP	Diatom Biomass	2.45E+08	25.32	Poor
RET3.1	Winter	BP	Dinoflagellate Biomass	3.20E+08	82.62	Poor
RET3.1	Winter	BP	Cyanobacteria Biomass	3.55E+06	62.13	Fair
RET3.1	Winter	BP	Chlorophyte Biomass	3.60E+06	86.16	Good
RET3.1	Winter	BP	Picoplankton Biomass	7.94E+06	76.38	Poor
RET3.1	Winter	BP	Cryptophyte Biomass	4.21E+07	97.37	Good
RET3.1	Winter	BP	Cyanobacteria Abundance	5.51E+05	67.81	Poor
LE3.6	Winter	BP	Total Biomass	1.06E+09	39.52	Poor
LE3.6	Winter	BP	Biomass to Abundance Ratio	141.07	57.02	Fair
LE3.6	Winter	BP	Margalef Diversity Index	2.63	77.19	Good
LE3.6	Winter	BP	Diatom Biomass	9.67E+08	66.37	Good
LE3.6	Winter	BP	Dinoflagellate Biomass	6.73E+07	72.23	Poor
LE3.6	Winter	BP	Cyanobacteria Biomass	1.77E+06	63.08	Poor
LE3.6	Winter	BP	Chlorophyte Biomass	5.85E+03	59.51	Good
LE3.6	Winter	BP	Picoplankton Biomass	2.26E+07	94.32	Poor
LE3.6	Winter	BP	Cryptophyte Biomass	8.24E+06	96.85	Good
LE3.6	Winter	BP	Cyanobacteria Abundance	2.33E+05	68.97	Poor

Appendix D. Continued.

Station	Season	Layer	Parameter	Median	Score	Status
CB6.1	Winter	BP	Total Biomass	6.97E+08	30.10	Poor
CB6.1	Winter	BP	Biomass to Abundance Ratio	141.43	57.14	Fair
CB6.1	Winter	BP	Margalef Diversity Index	2.53	72.38	Good
CB6.1	Winter	BP	Diatom Biomass	6.62E+08	54.89	Fair
CB6.1	Winter	BP	Dinoflagellate Biomass	6.54E+07	72.00	Poor
CB6.1	Winter	BP	Cyanobacteria Biomass	1.45E+06	62.17	Poor
CB6.1	Winter	BP	Chlorophyte Biomass	1.46E+03	51.74	Fair
CB6.1	Winter	BP	Picoplankton Biomass	1.06E+07	83.69	Poor
CB6.1	Winter	BP	Cryptophyte Biomass	1.24E+07	97.17	Good
CB6.1	Winter	BP	Cyanobacteria Abundance	1.91E+05	67.78	Poor
CB6.4	Winter	BP	Total Biomass	6.13E+08	37.25	Poor
CB6.4	Winter	BP	Biomass to Abundance Ratio	161.78	65.40	Good
CB6.4	Winter	BP	Margalef Diversity Index	2.80	51.64	Fair
CB6.4	Winter	BP	Diatom Biomass	4.37E+08	34.65	Poor
CB6.4	Winter	BP	Dinoflagellate Biomass	6.91E+07	69.73	Poor
CB6.4	Winter	BP	Cyanobacteria Biomass	1.68E+06	91.18	Poor
CB6.4	Winter	BP	Chlorophyte Biomass	1.23E+05	82.65	Good
CB6.4	Winter	BP	Picoplankton Biomass	1.27E+07	66.53	Poor
CB6.4	Winter	BP	Cryptophyte Biomass	1.24E+07	64.64	Fair
CB6.4	Winter	BP	Cyanobacteria Abundance	2.19E+05	93.76	Poor
CB7.3E	Winter	BP	Total Biomass	3.99E+08	22.81	Poor
CB7.3E	Winter	BP	Biomass to Abundance Ratio	98.18	37.99	Poor
CB7.3E	Winter	BP	Margalef Diversity Index	2.75	48.61	Fair
CB7.3E	Winter	BP	Diatom Biomass	3.21E+08	24.88	Poor
CB7.3E	Winter	BP	Dinoflagellate Biomass	2.86E+07	57.01	Fair
CB7.3E	Winter	BP	Cyanobacteria Biomass	1.84E+06	91.39	Poor
CB7.3E	Winter	BP	Chlorophyte Biomass	9.29E+02	37.39	Poor
CB7.3E	Winter	BP	Picoplankton Biomass	1.54E+07	72.65	Poor
CB7.3E	Winter	BP	Cryptophyte Biomass	1.54E+07	66.59	Fair
CB7.3E	Winter	BP	Cyanobacteria Abundance	2.42E+05	93.97	Poor
CB7.4	Winter	BP	Total Biomass	8.60E+08	50.76	Fair
CB7.4	Winter	BP	Biomass to Abundance Ratio	247.45	82.21	Good
CB7.4	Winter	BP	Margalef Diversity Index	2.99	63.91	Good
CB7.4	Winter	BP	Diatom Biomass	8.15E+08	57.90	Fair
CB7.4	Winter	BP	Dinoflagellate Biomass	3.56E+07	60.66	Poor
CB7.4	Winter	BP	Cyanobacteria Biomass	1.11E+06	90.19	Poor
CB7.4	Winter	BP	Chlorophyte Biomass	3.65E+02	34.16	Poor
CB7.4	Winter	BP	Picoplankton Biomass	1.47E+07	70.92	Poor
CB7.4	Winter	BP	Cryptophyte Biomass	9.70E+06	63.60	Fair
CB7.4	Winter	BP	Cyanobacteria Abundance	1.70E+05	93.15	Poor

Appendix E. Long term trends in phytoplankton bioindicators at all stations and for all seasons, for the period of 1985 through 2003. Layer abbreviations are: AP=Above Pycnocline, BP=Below Pycnocline. See the method section of the report for definitions of Seasons. "N.E." in the Percent Change column indicates "No Estimate" was made for the percent change due to a zero value for the parameter baseline.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF5.5	Annual	AP	Total Abundance	0.0002	9.91E+05	2.12E+07	1.78E+07	84	Increasing	0.2083
TF5.5	Annual	AP	Total Biomass	0.0000	9.73E+07	5.09E+08	1.75E+09	344	Increasing	0.8938
TF5.5	Annual	AP	Biomass to Abundance Ratio	0.0000	2.18	28.27	39.31	139	Improving	0.8951
TF5.5	Annual	AP	Margalef Diversity Index	0.2667	0.01	2.39	0.14	6	No Trend	0.9807
TF5.5	Annual	AP	Diatom Biomass	0.0000	4.84E+07	3.44E+08	8.71E+08	253	Improving	0.9234
TF5.5	Annual	AP	Dinoflagellate Biomass	0.2005	0.00	7.00E+05	0.00E+00	0	No Trend	0.3983
TF5.5	Annual	AP	Cyanobacteria Biomass	0.0000	1.12E+06	1.62E+07	2.01E+07	124	Degrading	0.7060
TF5.5	Annual	AP	Chlorophyte Biomass	0.0000	2.73E+07	1.37E+07	4.92E+08	3597	Improving	0.9807
TF5.5	Annual	AP	Procaryote Biomass	0.1633	-3.45E-04	3.43E-02	-6.22E-03	-18	No Trend	0.4191
TF5.5	Annual	AP	Cryptophyte Biomass	0.0000	1.72E+06	1.03E+07	3.10E+07	302	Increasing	0.7931
TF5.5	Annual	AP	Cyanobacteria Abundance	0.0000	2.94E+05	4.51E+06	5.30E+06	117	Degrading	0.6510
RET5.2	Annual	AP	Total Abundance	0.0621	3.76E+05	7.43E+06	6.76E+06	91	No Trend	0.0969
RET5.2	Annual	AP	Total Biomass	0.0000	3.19E+07	1.68E+08	5.75E+08	342	Increasing	0.0372
RET5.2	Annual	AP	Biomass to Abundance Ratio	0.0000	1.63	19.27	29.35	152	Improving	0.9472
RET5.2	Annual	AP	Margalef Diversity Index	0.0246	-0.02	1.65	-0.30	-18	Degrading	0.7724
RET5.2	Annual	AP	Diatom Biomass	0.0000	1.74E+07	1.18E+08	3.14E+08	267	Improving	0.0851
RET5.2	Annual	AP	Dinoflagellate Biomass	0.7428	0.00	4.79E+05	0.00E+00	0	No Trend	0.7117
RET5.2	Annual	AP	Cyanobacteria Biomass	0.0621	3.38E+05	3.58E+06	6.09E+06	170	No Trend	0.5544
RET5.2	Annual	AP	Chlorophyte Biomass	0.0000	5.91E+06	1.76E+06	1.06E+08	6040	Improving	0.3391
RET5.2	Annual	AP	Procaryote Biomass	0.1965	-3.86E-04	1.92E-02	-6.95E-03	-36	No Trend	0.8921
RET5.2	Annual	AP	Cryptophyte Biomass	0.0000	1.36E+06	1.44E+07	2.45E+07	170	Increasing	0.5848
RET5.2	Annual	AP	Cyanobacteria Abundance	0.0895	5.17E+04	7.15E+05	9.30E+05	130	No Trend	0.5708
LE5.5	Annual	AP	Total Abundance	0.0168	1.09E+05	5.07E+06	2.07E+06	41	Increasing	0.0484
LE5.5	Annual	AP	Total Biomass	0.0003	1.06E+07	2.35E+08	2.02E+08	86	Increasing	0.0052
LE5.5	Annual	AP	Biomass to Abundance Ratio	0.0043	1.16	47.31	22.02	47	Improving	0.2155
LE5.5	Annual	AP	Margalef Diversity Index	0.6786	0.00	2.50	0.05	2	No Trend	0.2599
LE5.5	Annual	AP	Diatom Biomass	0.0000	9.03E+06	1.61E+08	1.72E+08	106	Improving	0.0113
LE5.5	Annual	AP	Dinoflagellate Biomass	0.0264	1.07E+06	2.08E+07	2.03E+07	98	Degrading	0.5429
LE5.5	Annual	AP	Cyanobacteria Biomass	0.0000	2.52E+04	5.08E+02	4.80E+05	94494	Degrading	0.9842
LE5.5	Annual	AP	Chlorophyte Biomass	0.0001	3.50E+04	5.83E+03	6.64E+05	11401	Improving	0.9759
LE5.5	Annual	AP	Procaryote Biomass	0.0000	6.20E-05	9.62E-07	1.18E-03	122465	Degrading	0.9688
LE5.5	Annual	AP	Cryptophyte Biomass	0.6025	9.54E+04	2.02E+07	1.81E+06	9	No Trend	0.0410
LE5.5	Annual	AP	Cyanobacteria Abundance	0.0000	4.77E+03	1.43E+04	9.06E+04	634	Degrading	0.9985
SBE5	Annual	AP	Total Abundance	0.0006	1.56E+05	2.55E+06	2.34E+06	92	Increasing	0.2368
SBE5	Annual	AP	Total Biomass	0.0025	6.54E+06	7.63E+07	9.81E+07	129	Increasing	0.0041
SBE5	Annual	AP	Biomass to Abundance Ratio	0.1872	0.45	25.78	6.75	26	No Trend	0.0671
SBE5	Annual	AP	Margalef Diversity Index	0.1598	-0.01	2.40	-0.20	-8	No Trend	0.0595
SBE5	Annual	AP	Diatom Biomass	0.0003	4.34E+06	4.44E+07	6.52E+07	147	Improving	0.0097
SBE5	Annual	AP	Dinoflagellate Biomass	0.8054	-2.12E+04	8.66E+06	-3.19E+05	-4	No Trend	0.5959
SBE5	Annual	AP	Cyanobacteria Biomass	0.0000	1.32E+05	1.03E+05	1.98E+06	1921	Degrading	0.9100
SBE5	Annual	AP	Chlorophyte Biomass	0.0126	4.68E+04	2.76E+05	7.02E+05	254	Improving	0.1605
SBE5	Annual	AP	Procaryote Biomass	0.0000	6.75E-04	2.04E-03	1.01E-02	495	Degrading	0.9846
SBE5	Annual	AP	Cryptophyte Biomass	0.0018	6.79E+05	1.37E+07	1.02E+07	74	Increasing	0.4780
SBE5	Annual	AP	Cyanobacteria Abundance	0.0000	2.12E+04	7.87E+03	3.17E+05	4036	Degrading	0.9384

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF4.2	Annual	AP	Total Abundance	0.0000	1.95E+05	3.32E+06	3.31E+06	100	Increasing	0.8481
TF4.2	Annual	AP	Total Biomass	0.0000	7.96E+06	1.00E+08	1.35E+08	135	Increasing	0.9440
TF4.2	Annual	AP	Biomass to Abundance Ratio	0.2331	0.52	32.22	8.78	27	No Trend	0.8842
TF4.2	Annual	AP	Margalef Diversity Index	0.2654	-0.01	1.85	-0.16	-8	No Trend	0.3641
TF4.2	Annual	AP	Diatom Biomass	0.0067	3.60E+06	8.67E+07	6.12E+07	71	Improving	0.9646
TF4.2	Annual	AP	Dinoflagellate Biomass	0.8704	0.00	1.55E+05	0.00E+00	0	No Trend	0.0533
TF4.2	Annual	AP	Cyanobacteria Biomass	0.0000	1.69E+05	3.65E+05	2.87E+06	788	Degrading	0.1791
TF4.2	Annual	AP	Chlorophyte Biomass	0.0000	6.41E+05	8.71E+05	1.09E+07	1251	Improving	0.9150
TF4.2	Annual	AP	Procaryote Biomass	0.0001	6.14E-04	3.54E-03	1.04E-02	295	Degrading	0.0056
TF4.2	Annual	AP	Cryptophyte Biomass	0.0000	8.44E+05	8.55E+06	1.43E+07	168	Increasing	0.9813
TF4.2	Annual	AP	Cyanobacteria Abundance	0.0000	3.19E+04	5.84E+04	5.43E+05	930	Degrading	0.1592
RET4.3	Annual	AP	Total Abundance	0.0000	4.43E+05	7.86E+06	7.98E+06	102	Increasing	0.9530
RET4.3	Annual	AP	Total Biomass	0.0000	1.97E+07	3.30E+08	3.55E+08	108	Increasing	0.9745
RET4.3	Annual	AP	Biomass to Abundance Ratio	0.0112	0.60	31.87	10.74	34	Improving	0.9355
RET4.3	Annual	AP	Margalef Diversity Index	0.4533	-0.01	1.61	-0.10	-6	No Trend	0.1099
RET4.3	Annual	AP	Diatom Biomass	0.0000	1.34E+07	1.85E+08	2.41E+08	130	Improving	0.7108
RET4.3	Annual	AP	Dinoflagellate Biomass	0.4111	1.27E+05	1.99E+07	2.28E+06	11	No Trend	0.6898
RET4.3	Annual	AP	Cyanobacteria Biomass	0.0000	3.79E+05	9.01E+05	6.82E+06	757	Degrading	0.5576
RET4.3	Annual	AP	Chlorophyte Biomass	0.0000	7.13E+05	1.40E+03	1.28E+07	913760	Improving	0.8635
RET4.3	Annual	AP	Procaryote Biomass	0.0027	3.05E-04	5.44E-03	5.50E-03	101	Degrading	0.4721
RET4.3	Annual	AP	Cryptophyte Biomass	0.0000	1.45E+06	1.93E+07	2.61E+07	135	Increasing	0.6469
RET4.3	Annual	AP	Cyanobacteria Abundance	0.0000	6.23E+04	1.94E+05	1.12E+06	577	Degrading	0.7737
WE4.2	Annual	AP	Total Abundance	0.3441	4.31E+04	6.09E+06	8.19E+05	13	No Trend	0.8543
WE4.2	Annual	AP	Total Biomass	0.0253	7.76E+06	3.59E+08	1.47E+08	41	Increasing	0.2362
WE4.2	Annual	AP	Biomass to Abundance Ratio	0.1622	0.54	45.34	10.23	23	No Trend	0.3592
WE4.2	Annual	AP	Margalef Diversity Index	0.0935	-0.02	2.61	-0.29	-11	No Trend	0.5777
WE4.2	Annual	AP	Diatom Biomass	0.0006	8.17E+06	1.83E+08	1.55E+08	85	Improving	0.1727
WE4.2	Annual	AP	Dinoflagellate Biomass	0.0709	1.02E+06	5.18E+07	1.94E+07	37	No Trend	0.7177
WE4.2	Annual	AP	Cyanobacteria Biomass	0.0000	3.37E+04	0.00	6.41E+05	N.E.	Degrading	0.6716
WE4.2	Annual	AP	Chlorophyte Biomass	0.0007	1.71E+03	7.14E+04	3.26E+04	46	Improving	0.7134
WE4.2	Annual	AP	Procaryote Biomass	0.0000	5.54E-05	0.00	1.05E-03	N.E.	Degrading	0.3894
WE4.2	Annual	AP	Cryptophyte Biomass	0.2500	-2.44E+05	2.33E+07	-4.64E+06	-20	No Trend	0.4325
WE4.2	Annual	AP	Cyanobacteria Abundance	0.0000	4.36E+03	1.54E+03	8.29E+04	5394	Degrading	0.7163

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF3.3	Annual	AP	Total Abundance	0.0000	1.36E+06	4.89E+06	2.45E+07	500	Increasing	0.6321
TF3.3	Annual	AP	Total Biomass	0.0000	5.04E+07	9.43E+07	9.08E+08	963	Increasing	0.3923
TF3.3	Annual	AP	Biomass to Abundance Ratio	0.0001	0.97	22.37	17.52	78	Improving	0.2227
TF3.3	Annual	AP	Margalef Diversity Index	0.6753	0.00	1.54	0.05	3	No Trend	0.9764
TF3.3	Annual	AP	Diatom Biomass	0.0000	3.17E+07	7.24E+07	5.70E+08	787	Improving	0.3819
TF3.3	Annual	AP	Dinoflagellate Biomass	0.0109	1.72E+04	8.81E+05	3.09E+05	35	Degrading	0.6578
TF3.3	Annual	AP	Cyanobacteria Biomass	0.0000	1.35E+06	1.36E+06	2.44E+07	1795	Degrading	0.5242
TF3.3	Annual	AP	Chlorophyte Biomass	0.0000	5.07E+06	1.75E+06	9.13E+07	5219	Improving	0.8651
TF3.3	Annual	AP	Procaryote Biomass	0.1347	5.29E-04	1.32E-02	9.52E-03	72	No Trend	0.2758
TF3.3	Annual	AP	Cryptophyte Biomass	0.0000	1.31E+06	1.24E+07	2.35E+07	189	Increasing	0.9868
TF3.3	Annual	AP	Cyanobacteria Abundance	0.0000	3.67E+05	1.71E+05	6.61E+06	3861	Degrading	0.8816
RET3.1	Annual	AP	Total Abundance	0.0000	9.75E+05	6.64E+06	1.76E+07	264	Increasing	0.2267
RET3.1	Annual	AP	Total Biomass	0.0000	3.63E+07	2.01E+08	6.53E+08	325	Increasing	0.0381
RET3.1	Annual	AP	Biomass to Abundance Ratio	0.0383	0.45	29.08	8.12	28	Improving	0.9314
RET3.1	Annual	AP	Margalef Diversity Index	0.8851	0.00	1.77	0.04	2	No Trend	0.7603
RET3.1	Annual	AP	Diatom Biomass	0.0000	2.03E+07	1.18E+08	3.65E+08	311	Improving	0.4077
RET3.1	Annual	AP	Dinoflagellate Biomass	0.0323	-1.94E+05	2.08E+07	-3.49E+06	-17	Improving	0.9874
RET3.1	Annual	AP	Cyanobacteria Biomass	0.0000	9.70E+05	1.94E+06	1.75E+07	901	Degrading	0.1956
RET3.1	Annual	AP	Chlorophyte Biomass	0.0000	1.33E+06	1.49E+06	2.39E+07	1603	Improving	0.7029
RET3.1	Annual	AP	Procaryote Biomass	0.0002	9.83E-04	1.31E-02	1.77E-02	136	Degrading	0.6950
RET3.1	Annual	AP	Cryptophyte Biomass	0.0001	1.48E+06	2.14E+07	2.67E+07	125	Increasing	0.0996
RET3.1	Annual	AP	Cyanobacteria Abundance	0.0000	2.14E+05	1.69E+05	3.85E+06	2273	Degrading	0.6873
LE3.6	Annual	AP	Total Abundance	0.0361	1.20E+05	5.06E+06	2.28E+06	45	Increasing	0.6687
LE3.6	Annual	AP	Total Biomass	0.0218	1.05E+07	3.78E+08	1.99E+08	53	Increasing	0.3996
LE3.6	Annual	AP	Biomass to Abundance Ratio	0.2606	0.71	59.35	13.49	23	No Trend	0.3654
LE3.6	Annual	AP	Margalef Diversity Index	0.7407	0.00	2.23	0.04	2	No Trend	0.7219
LE3.6	Annual	AP	Diatom Biomass	0.0183	5.85E+06	2.25E+08	1.11E+08	49	Improving	0.2902
LE3.6	Annual	AP	Dinoflagellate Biomass	0.0000	2.54E+06	2.32E+07	4.82E+07	208	Degrading	0.3185
LE3.6	Annual	AP	Cyanobacteria Biomass	0.0000	5.55E+04	6.43E+02	1.05E+06	163865	Degrading	0.6041
LE3.6	Annual	AP	Chlorophyte Biomass	0.0004	1.24E+04	1.87E+05	2.35E+05	126	Improving	0.8532
LE3.6	Annual	AP	Procaryote Biomass	0.0000	8.21E-05	1.46E-06	1.56E-03	107160	Degrading	0.4870
LE3.6	Annual	AP	Cryptophyte Biomass	0.9472	-1.87E+04	2.72E+07	-3.55E+05	-1	No Trend	0.2797
LE3.6	Annual	AP	Cyanobacteria Abundance	0.0000	1.04E+04	2.56E+02	1.97E+05	77023	Degrading	0.9084

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
CB6.1	Annual	AP	Total Abundance	0.2915	3.66E+04	5.32E+06	6.95E+05	13	No Trend	0.9077
CB6.1	Annual	AP	Total Biomass	0.0256	9.23E+06	4.22E+08	1.75E+08	42	Increasing	0.0035
CB6.1	Annual	AP	Biomass to Abundance Ratio	0.1228	0.65	86.60	12.33	14	No Trend	0.0791
CB6.1	Annual	AP	Margalef Diversity Index	0.4436	0.01	2.33	0.10	4	No Trend	0.5520
CB6.1	Annual	AP	Diatom Biomass	0.0050	5.90E+06	2.29E+08	1.12E+08	49	Improving	0.0508
CB6.1	Annual	AP	Dinoflagellate Biomass	0.0203	1.54E+06	3.21E+07	2.93E+07	91	Degrading	0.0982
CB6.1	Annual	AP	Cyanobacteria Biomass	0.0000	3.29E+04	6.53E+02	6.25E+05	95673	Degrading	0.9156
CB6.1	Annual	AP	Chlorophyte Biomass	0.0001	3.11E+03	1.40E+05	5.90E+04	42	Improving	0.8368
CB6.1	Annual	AP	Procaryote Biomass	0.0000	4.59E-05	3.80E-07	8.71E-04	229129	Degrading	0.9387
CB6.1	Annual	AP	Cryptophyte Biomass	0.2717	-2.50E+05	2.57E+07	-4.76E+06	-18	No Trend	0.7336
CB6.1	Annual	AP	Cyanobacteria Abundance	0.0000	6.31E+03	9.98E+03	1.20E+05	1202	Degrading	0.6682
CB6.4	Annual	AP	Total Abundance	0.0185	9.33E+04	3.71E+06	1.77E+06	48	Increasing	0.9515
CB6.4	Annual	AP	Total Biomass	0.0011	1.04E+07	2.22E+08	1.97E+08	89	Increasing	0.6830
CB6.4	Annual	AP	Biomass to Abundance Ratio	0.1293	0.77	64.60	14.65	23	No Trend	0.4707
CB6.4	Annual	AP	Margalef Diversity Index	0.5541	0.00	2.19	-0.08	-4	No Trend	0.3083
CB6.4	Annual	AP	Diatom Biomass	0.0084	5.26E+06	1.62E+08	9.99E+07	62	Improving	0.7759
CB6.4	Annual	AP	Dinoflagellate Biomass	0.0000	3.39E+06	3.19E+07	6.44E+07	202	Degrading	0.5365
CB6.4	Annual	AP	Cyanobacteria Biomass	0.0000	2.33E+04	0.00	4.43E+05	N.E.	Degrading	0.9928
CB6.4	Annual	AP	Chlorophyte Biomass	0.0000	1.57E+04	8.24E+04	2.99E+05	363	Improving	0.7175
CB6.4	Annual	AP	Procaryote Biomass	0.0000	4.73E-05	0.00	8.99E-04	N.E.	Degrading	0.9688
CB6.4	Annual	AP	Cryptophyte Biomass	0.4844	1.31E+05	1.68E+07	2.49E+06	15	No Trend	0.0220
CB6.4	Annual	AP	Cyanobacteria Abundance	0.0000	6.26E+03	0.00	1.19E+05	N.E.	Degrading	0.8151
CB7.3E	Annual	AP	Total Abundance	0.0038	1.07E+05	3.43E+06	2.03E+06	59	Increasing	0.6233
CB7.3E	Annual	AP	Total Biomass	0.0002	1.13E+07	2.98E+08	2.14E+08	72	Increasing	0.1212
CB7.3E	Annual	AP	Biomass to Abundance Ratio	0.2284	0.68	76.67	13.01	17	No Trend	0.6614
CB7.3E	Annual	AP	Margalef Diversity Index	0.2833	-0.01	2.46	-0.14	-6	No Trend	0.8873
CB7.3E	Annual	AP	Diatom Biomass	0.0002	7.93E+06	1.94E+08	1.51E+08	78	Improving	0.3431
CB7.3E	Annual	AP	Dinoflagellate Biomass	0.0029	1.58E+06	3.14E+07	3.00E+07	96	Degrading	0.2773
CB7.3E	Annual	AP	Cyanobacteria Biomass	0.0000	2.61E+04	9.33E+03	4.96E+05	5314	Degrading	0.9595
CB7.3E	Annual	AP	Chlorophyte Biomass	0.0000	2.48E+03	1.57E+03	4.72E+04	3005	Improving	0.9207
CB7.3E	Annual	AP	Procaryote Biomass	0.0000	3.58E-05	3.24E-05	6.81E-04	2103	Degrading	0.9870
CB7.3E	Annual	AP	Cryptophyte Biomass	0.4369	1.23E+05	1.80E+07	2.34E+06	13	No Trend	0.5300
CB7.3E	Annual	AP	Cyanobacteria Abundance	0.0000	5.27E+03	8.29E+03	1.00E+05	1207	Degrading	0.9898
CB7.4	Annual	AP	Total Abundance	0.0000	1.50E+05	2.54E+06	2.84E+06	112	Increasing	0.9591
CB7.4	Annual	AP	Total Biomass	0.0000	1.53E+07	1.63E+08	2.90E+08	178	Increasing	0.7150
CB7.4	Annual	AP	Biomass to Abundance Ratio	0.0955	0.98	66.73	18.54	28	No Trend	0.4071
CB7.4	Annual	AP	Margalef Diversity Index	0.0000	-0.04	2.85	-0.68	-24	Degrading	0.9339
CB7.4	Annual	AP	Diatom Biomass	0.0000	1.06E+07	1.35E+08	2.02E+08	149	Improving	0.4478
CB7.4	Annual	AP	Dinoflagellate Biomass	0.0010	1.17E+06	1.82E+07	2.22E+07	122	Degrading	0.3003
CB7.4	Annual	AP	Cyanobacteria Biomass	0.0000	1.27E+04	0.00	2.41E+05	N.E.	Degrading	0.6825
CB7.4	Annual	AP	Chlorophyte Biomass	0.0011	1.13E+03	2.99E+04	2.16E+04	72	Improving	0.4037
CB7.4	Annual	AP	Procaryote Biomass	0.0000	2.47E-05	0.00	4.69E-04	N.E.	Degrading	0.8376
CB7.4	Annual	AP	Cryptophyte Biomass	0.0357	2.85E+05	7.81E+06	5.41E+06	69	Increasing	0.1309
CB7.4	Annual	AP	Cyanobacteria Abundance	0.0000	5.48E+03	2.40E+02	1.04E+05	43371	Degrading	0.5276

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF5.5	Fall	AP	Total Abundance	0.0301	1.94E+06	1.44E+07	3.48E+07	242	Increasing	0.5902
TF5.5	Fall	AP	Total Biomass	0.0004	1.19E+08	6.86E+08	2.15E+09	313	Increasing	0.7366
TF5.5	Fall	AP	Biomass to Abundance Ratio	0.0005	2.63	34.30	47.31	138	Improving	0.3359
TF5.5	Fall	AP	Margalef Diversity Index	0.1025	0.03	2.13	0.56	26	No Trend	0.7672
TF5.5	Fall	AP	Diatom Biomass	0.0059	4.76E+07	4.76E+08	8.57E+08	180	Improving	0.7938
TF5.5	Fall	AP	Dinoflagellate Biomass	0.3279	0.00	1.19E+05	0.00E+00	0	No Trend	0.0436
TF5.5	Fall	AP	Cyanobacteria Biomass	0.0079	3.49E+06	1.18E+07	6.28E+07	531	Degrading	0.6729
TF5.5	Fall	AP	Chlorophyte Biomass	0.0000	3.68E+07	8.58E+06	6.62E+08	7713	Improving	0.8724
TF5.5	Fall	AP	Procaryote Biomass	0.6433	-4.05E-04	2.03E-02	-7.29E-03	-36	No Trend	0.6183
TF5.5	Fall	AP	Cryptophyte Biomass	0.0360	1.05E+06	4.25E+06	1.88E+07	443	Increasing	0.9488
TF5.5	Fall	AP	Cyanobacteria Abundance	0.0091	9.53E+05	5.07E+06	1.71E+07	338	Degrading	0.6469
RET5.2	Fall	AP	Total Abundance	0.0266	-6.99E+05	1.59E+07	-1.26E+07	-79	Decreasing	0.6632
RET5.2	Fall	AP	Total Biomass	0.6088	-3.21E+06	1.95E+08	-5.78E+07	-30	No Trend	0.9281
RET5.2	Fall	AP	Biomass to Abundance Ratio	0.0340	0.93	18.87	16.66	88	Improving	0.8236
RET5.2	Fall	AP	Margalef Diversity Index	0.0431	-0.03	1.93	-0.53	-28	Degrading	0.8115
RET5.2	Fall	AP	Diatom Biomass	0.4797	-2.76E+06	1.43E+08	-4.97E+07	-35	No Trend	0.7015
RET5.2	Fall	AP	Dinoflagellate Biomass	0.9800	0.00	1.08E+05	0.00E+00	0	No Trend	0.2762
RET5.2	Fall	AP	Cyanobacteria Biomass	0.6088	-1.34E+05	9.53E+06	-2.42E+06	-25	No Trend	0.9587
RET5.2	Fall	AP	Chlorophyte Biomass	0.1965	3.48E+05	5.59E+06	6.27E+06	112	No Trend	0.5899
RET5.2	Fall	AP	Procaryote Biomass	0.2728	-1.03E-03	5.14E-02	-1.86E-02	-36	No Trend	0.9706
RET5.2	Fall	AP	Cryptophyte Biomass	0.5423	2.96E+05	1.30E+07	5.32E+06	41	No Trend	0.6056
RET5.2	Fall	AP	Cyanobacteria Abundance	0.3419	-1.29E+05	3.98E+06	-2.32E+06	-58	No Trend	0.6687
LE5.5	Fall	AP	Total Abundance	0.0001	2.08E+05	1.60E+06	3.95E+06	246	Increasing	0.9946
LE5.5	Fall	AP	Total Biomass	0.0035	1.44E+07	6.25E+07	2.74E+08	439	Increasing	0.0089
LE5.5	Fall	AP	Biomass to Abundance Ratio	0.1203	1.25	33.97	23.81	70	No Trend	0.0078
LE5.5	Fall	AP	Margalef Diversity Index	0.4435	0.01	2.65	0.10	4	No Trend	0.0073
LE5.5	Fall	AP	Diatom Biomass	0.0000	1.38E+07	2.14E+07	2.62E+08	1226	Improving	0.1084
LE5.5	Fall	AP	Dinoflagellate Biomass	0.6636	2.27E+05	1.01E+07	4.30E+06	42	No Trend	0.4287
LE5.5	Fall	AP	Cyanobacteria Biomass	0.0036	1.15E+04	0.00	2.19E+05	N.E.	Degrading	0.7701
LE5.5	Fall	AP	Chlorophyte Biomass	0.1503	0.00	2.07E+02	0.00E+00	0	No Trend	0.7726
LE5.5	Fall	AP	Procaryote Biomass	0.0090	4.32E-05	0.00	8.22E-04	N.E.	Degrading	0.7993
LE5.5	Fall	AP	Cryptophyte Biomass	0.4810	1.85E+05	1.93E+07	3.52E+06	18	No Trend	0.4539
LE5.5	Fall	AP	Cyanobacteria Abundance	0.0056	1.78E+03	0.00	3.37E+04	N.E.	Degrading	0.6860
SBE5	Fall	AP	Total Abundance	0.0005	1.67E+05	1.84E+06	2.50E+06	136	Increasing	0.2162
SBE5	Fall	AP	Total Biomass	0.0001	7.06E+06	4.14E+07	1.06E+08	256	Increasing	0.1061
SBE5	Fall	AP	Biomass to Abundance Ratio	0.0719	0.97	23.42	14.57	62	No Trend	0.1910
SBE5	Fall	AP	Margalef Diversity Index	0.9317	0.00	2.01	0.02	1	No Trend	0.2440
SBE5	Fall	AP	Diatom Biomass	0.0000	6.04E+06	1.96E+07	9.06E+07	463	Improving	0.0861
SBE5	Fall	AP	Dinoflagellate Biomass	0.7971	2.60E+04	2.80E+06	3.90E+05	14	No Trend	0.2562
SBE5	Fall	AP	Cyanobacteria Biomass	0.0000	8.07E+04	1.20E+04	1.21E+06	10086	Degrading	0.5836
SBE5	Fall	AP	Chlorophyte Biomass	0.1836	2.44E+04	1.01E+05	3.67E+05	363	No Trend	0.3478
SBE5	Fall	AP	Procaryote Biomass	0.0007	6.20E-04	1.43E-04	9.30E-03	6499	Degrading	0.5985
SBE5	Fall	AP	Cryptophyte Biomass	0.0177	8.52E+05	9.54E+06	1.28E+07	134	Increasing	0.3263
SBE5	Fall	AP	Cyanobacteria Abundance	0.0020	1.22E+04	3.52E+03	1.83E+05	5185	Degrading	0.4081

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF4.2	Fall	AP	Total Abundance	0.0698	1.04E+05	3.08E+06	1.76E+06	57	No Trend	0.9749
TF4.2	Fall	AP	Total Biomass	0.0375	5.84E+06	7.44E+07	9.93E+07	134	Increasing	0.9593
TF4.2	Fall	AP	Biomass to Abundance Ratio	0.7489	0.31	24.59	5.24	21	No Trend	0.8175
TF4.2	Fall	AP	Margalef Diversity Index	0.1655	0.02	1.79	0.29	16	No Trend	0.8055
TF4.2	Fall	AP	Diatom Biomass	0.3370	2.61E+06	6.37E+07	4.44E+07	70	No Trend	0.9899
TF4.2	Fall	AP	Dinoflagellate Biomass	0.8401	0.00	9.16E+03	0.00E+00	0	No Trend	0.8347
TF4.2	Fall	AP	Cyanobacteria Biomass	0.0017	1.05E+05	4.37E+05	1.79E+06	410	Degrading	0.4123
TF4.2	Fall	AP	Chlorophyte Biomass	0.0009	2.47E+05	1.03E+06	4.20E+06	407	Improving	0.5708
TF4.2	Fall	AP	Procaryote Biomass	0.0110	7.06E-04	5.45E-03	1.20E-02	220	Degrading	0.3451
TF4.2	Fall	AP	Cryptophyte Biomass	0.0065	8.68E+05	9.59E+06	1.47E+07	154	Increasing	0.8038
TF4.2	Fall	AP	Cyanobacteria Abundance	0.0120	2.20E+04	1.30E+05	3.74E+05	287	Degrading	0.5439
RET4.3	Fall	AP	Total Abundance	0.0003	5.90E+05	4.18E+06	1.06E+07	254	Increasing	0.7584
RET4.3	Fall	AP	Total Biomass	0.0003	2.83E+07	9.35E+07	5.09E+08	545	Increasing	0.9135
RET4.3	Fall	AP	Biomass to Abundance Ratio	0.0606	0.78	22.93	14.01	61	No Trend	0.8900
RET4.3	Fall	AP	Margalef Diversity Index	0.1965	0.01	1.35	0.17	12	No Trend	0.7612
RET4.3	Fall	AP	Diatom Biomass	0.0001	1.98E+07	4.05E+07	3.57E+08	880	Improving	0.4749
RET4.3	Fall	AP	Dinoflagellate Biomass	0.2834	3.64E+05	3.00E+06	6.56E+06	218	No Trend	0.4777
RET4.3	Fall	AP	Cyanobacteria Biomass	0.0181	4.63E+05	9.17E+06	8.33E+06	91	Degrading	0.5710
RET4.3	Fall	AP	Chlorophyte Biomass	0.0000	5.73E+05	1.40E+03	1.03E+07	734878	Improving	0.8005
RET4.3	Fall	AP	Procaryote Biomass	0.6088	1.90E-04	5.17E-02	3.43E-03	7	No Trend	0.7423
RET4.3	Fall	AP	Cryptophyte Biomass	0.0234	2.01E+06	2.59E+07	3.62E+07	140	Increasing	0.3478
RET4.3	Fall	AP	Cyanobacteria Abundance	0.0044	1.44E+05	6.25E+05	2.59E+06	415	Degrading	0.5689
WE4.2	Fall	AP	Total Abundance	0.1107	1.32E+05	4.01E+06	2.51E+06	63	No Trend	0.8721
WE4.2	Fall	AP	Total Biomass	0.1414	6.44E+06	1.47E+08	1.22E+08	83	No Trend	0.1008
WE4.2	Fall	AP	Biomass to Abundance Ratio	0.8847	0.12	38.95	2.25	6	No Trend	0.3182
WE4.2	Fall	AP	Margalef Diversity Index	0.0934	-0.02	2.38	-0.46	-19	No Trend	0.8464
WE4.2	Fall	AP	Diatom Biomass	0.0005	1.14E+07	2.30E+07	2.17E+08	941	Improving	0.8210
WE4.2	Fall	AP	Dinoflagellate Biomass	0.3731	1.10E+06	2.90E+07	2.08E+07	72	No Trend	0.0668
WE4.2	Fall	AP	Cyanobacteria Biomass	0.0003	8.81E+03	9.80E+02	1.67E+05	17071	Degrading	0.1626
WE4.2	Fall	AP	Chlorophyte Biomass	0.1653	0.00	2.33E+04	0.00E+00	0	No Trend	0.3470
WE4.2	Fall	AP	Procaryote Biomass	0.0004	2.66E-05	1.04E-05	5.06E-04	4884	Degrading	0.1067
WE4.2	Fall	AP	Cryptophyte Biomass	0.4943	-4.10E+05	4.10E+07	-7.80E+06	-19	No Trend	0.9455
WE4.2	Fall	AP	Cyanobacteria Abundance	0.0004	1.29E+03	2.11E+03	2.45E+04	1163	Degrading	0.9101

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF3.3	Fall	AP	Total Abundance	0.0000	1.40E+06	4.15E+06	2.51E+07	606	Increasing	0.9678
TF3.3	Fall	AP	Total Biomass	0.0000	3.04E+07	7.69E+07	5.48E+08	713	Increasing	0.3663
TF3.3	Fall	AP	Biomass to Abundance Ratio	0.1371	0.95	20.20	17.01	84	No Trend	0.1960
TF3.3	Fall	AP	Margalef Diversity Index	0.7147	-0.01	1.46	-0.13	-9	No Trend	0.8690
TF3.3	Fall	AP	Diatom Biomass	0.0000	2.25E+07	2.88E+07	4.06E+08	1411	Improving	0.3100
TF3.3	Fall	AP	Dinoflagellate Biomass	0.9217	0.00	2.38E+06	0.00E+00	0	No Trend	0.7850
TF3.3	Fall	AP	Cyanobacteria Biomass	0.0027	9.37E+05	9.35E+05	1.69E+07	1802	Degrading	0.4309
TF3.3	Fall	AP	Chlorophyte Biomass	0.0002	2.83E+06	8.12E+05	5.10E+07	6280	Improving	0.4188
TF3.3	Fall	AP	Procaryote Biomass	0.5751	3.99E-04	8.82E-03	7.19E-03	81	No Trend	0.4275
TF3.3	Fall	AP	Cryptophyte Biomass	0.0234	9.16E+05	2.22E+07	1.65E+07	74	Increasing	0.5903
TF3.3	Fall	AP	Cyanobacteria Abundance	0.0005	2.85E+05	2.44E+05	5.14E+06	2104	Degrading	0.6835
RET3.1	Fall	AP	Total Abundance	0.0214	4.93E+05	5.60E+06	8.87E+06	158	Increasing	0.4675
RET3.1	Fall	AP	Total Biomass	0.0187	2.11E+07	1.42E+08	3.79E+08	267	Increasing	0.1337
RET3.1	Fall	AP	Biomass to Abundance Ratio	0.1613	0.44	22.34	7.93	35	No Trend	0.4255
RET3.1	Fall	AP	Margalef Diversity Index	0.9203	0.00	1.77	0.05	3	No Trend	0.9049
RET3.1	Fall	AP	Diatom Biomass	0.0107	1.22E+07	6.03E+07	2.19E+08	364	Improving	0.1091
RET3.1	Fall	AP	Dinoflagellate Biomass	0.1611	-3.49E+05	1.89E+07	-6.28E+06	-33	No Trend	0.7276
RET3.1	Fall	AP	Cyanobacteria Biomass	0.0023	7.84E+05	8.98E+05	1.41E+07	1570	Degrading	0.6729
RET3.1	Fall	AP	Chlorophyte Biomass	0.0034	4.25E+05	1.49E+06	7.64E+06	511	Improving	0.3117
RET3.1	Fall	AP	Procaryote Biomass	0.0214	1.18E-03	9.55E-03	2.13E-02	223	Degrading	0.9456
RET3.1	Fall	AP	Cryptophyte Biomass	0.5483	4.74E+05	2.39E+07	8.53E+06	36	No Trend	0.2155
RET3.1	Fall	AP	Cyanobacteria Abundance	0.0002	1.60E+05	1.21E+05	2.88E+06	2382	Degrading	0.9915
LE3.6	Fall	AP	Total Abundance	0.2096	1.25E+05	2.29E+06	2.38E+06	104	No Trend	0.4018
LE3.6	Fall	AP	Total Biomass	0.5374	4.12E+06	1.15E+08	7.84E+07	68	No Trend	0.3769
LE3.6	Fall	AP	Biomass to Abundance Ratio	0.3605	0.87	36.24	16.52	46	No Trend	0.1196
LE3.6	Fall	AP	Margalef Diversity Index	0.3832	0.02	2.09	0.34	16	No Trend	0.2863
LE3.6	Fall	AP	Diatom Biomass	0.0353	8.09E+06	3.52E+07	1.54E+08	437	Improving	0.8171
LE3.6	Fall	AP	Dinoflagellate Biomass	0.6552	6.57E+05	1.49E+07	1.25E+07	84	No Trend	0.0857
LE3.6	Fall	AP	Cyanobacteria Biomass	0.0000	5.20E+04	0.00	9.89E+05	N.E.	Degrading	0.9255
LE3.6	Fall	AP	Chlorophyte Biomass	0.0213	3.60E+02	0.00	6.84E+03	N.E.	Improving	0.7247
LE3.6	Fall	AP	Procaryote Biomass	0.0000	8.43E-05	0.00	1.60E-03	N.E.	Degrading	0.9112
LE3.6	Fall	AP	Cryptophyte Biomass	0.7018	-9.99E+04	2.78E+07	-1.90E+06	-7	No Trend	0.3806
LE3.6	Fall	AP	Cyanobacteria Abundance	0.0001	4.57E+03	0.00	8.67E+04	N.E.	Degrading	0.8861

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
CB6.1	Fall	AP	Total Abundance	0.2953	4.66E+04	3.31E+06	8.86E+05	27	No Trend	0.5674
CB6.1	Fall	AP	Total Biomass	0.2756	1.16E+07	1.46E+08	2.21E+08	152	No Trend	0.0001
CB6.1	Fall	AP	Biomass to Abundance Ratio	0.3159	1.14	31.93	21.68	68	No Trend	0.0178
CB6.1	Fall	AP	Margalef Diversity Index	0.6314	-0.01	2.33	-0.17	-7	No Trend	0.1287
CB6.1	Fall	AP	Diatom Biomass	0.0326	7.31E+06	9.23E+07	1.39E+08	150	Improving	0.0106
CB6.1	Fall	AP	Dinoflagellate Biomass	0.8615	-2.46E+05	4.04E+07	-4.67E+06	-12	No Trend	0.0496
CB6.1	Fall	AP	Cyanobacteria Biomass	0.0004	7.29E+03	0.00	1.39E+05	N.E.	Degrading	0.7915
CB6.1	Fall	AP	Chlorophyte Biomass	0.0282	0.00	0.00	0.00E+00	N.E.	No Change	0.7984
CB6.1	Fall	AP	Procaryote Biomass	0.0008	2.27E-05	0.00	4.31E-04	N.E.	Degrading	0.8611
CB6.1	Fall	AP	Cryptophyte Biomass	0.8274	-1.06E+05	2.88E+07	-2.01E+06	-7	No Trend	0.7761
CB6.1	Fall	AP	Cyanobacteria Abundance	0.0056	1.71E+02	6.77E+03	3.24E+03	48	Degrading	0.9977
CB6.4	Fall	AP	Total Abundance	0.1747	6.13E+04	2.53E+06	1.16E+06	46	No Trend	0.5036
CB6.4	Fall	AP	Total Biomass	0.2890	5.01E+06	1.37E+08	9.51E+07	70	No Trend	0.0846
CB6.4	Fall	AP	Biomass to Abundance Ratio	0.6715	0.46	35.45	8.68	24	No Trend	0.2243
CB6.4	Fall	AP	Margalef Diversity Index	0.0748	-0.02	2.23	-0.47	-21	No Trend	0.3507
CB6.4	Fall	AP	Diatom Biomass	0.0097	6.92E+06	4.94E+07	1.31E+08	266	Improving	0.2016
CB6.4	Fall	AP	Dinoflagellate Biomass	0.4974	6.77E+05	3.19E+07	1.29E+07	40	No Trend	0.2630
CB6.4	Fall	AP	Cyanobacteria Biomass	0.0002	1.96E+03	0.00	3.72E+04	N.E.	Degrading	0.8439
CB6.4	Fall	AP	Chlorophyte Biomass	0.4237	0.00	5.08E+04	0.00E+00	0	No Trend	0.1210
CB6.4	Fall	AP	Procaryote Biomass	0.0001	1.18E-05	0.00	2.25E-04	N.E.	Degrading	0.8992
CB6.4	Fall	AP	Cryptophyte Biomass	0.1166	-4.77E+05	3.02E+07	-9.07E+06	-30	No Trend	0.9556
CB6.4	Fall	AP	Cyanobacteria Abundance	0.0001	1.02E+03	0.00	1.93E+04	N.E.	Degrading	0.5644
CB7.3E	Fall	AP	Total Abundance	0.0336	1.75E+05	2.18E+06	3.32E+06	152	Increasing	0.8714
CB7.3E	Fall	AP	Total Biomass	0.1653	8.02E+06	1.56E+08	1.52E+08	98	No Trend	0.0393
CB7.3E	Fall	AP	Biomass to Abundance Ratio	0.8284	-0.43	89.16	-8.12	-9	No Trend	0.0702
CB7.3E	Fall	AP	Margalef Diversity Index	0.6963	0.00	2.35	0.09	4	No Trend	0.4322
CB7.3E	Fall	AP	Diatom Biomass	0.0004	1.15E+07	7.56E+07	2.18E+08	288	Improving	0.6004
CB7.3E	Fall	AP	Dinoflagellate Biomass	0.6028	-5.83E+05	2.35E+07	-1.11E+07	-47	No Trend	0.6145
CB7.3E	Fall	AP	Cyanobacteria Biomass	0.0000	2.24E+04	0.00	4.25E+05	N.E.	Degrading	0.9589
CB7.3E	Fall	AP	Chlorophyte Biomass	0.0550	0.00	0.00	0.00E+00	N.E.	No Trend	0.4412
CB7.3E	Fall	AP	Procaryote Biomass	0.0000	5.51E-06	0.00	1.05E-04	N.E.	Degrading	0.8826
CB7.3E	Fall	AP	Cryptophyte Biomass	0.8284	5.62E+04	1.64E+07	1.07E+06	7	No Trend	0.3188
CB7.3E	Fall	AP	Cyanobacteria Abundance	0.0001	2.31E+03	6.28E+03	4.38E+04	697	Degrading	0.8020
CB7.4	Fall	AP	Total Abundance	0.0058	1.38E+05	1.96E+06	2.62E+06	134	Increasing	0.8775
CB7.4	Fall	AP	Total Biomass	0.0109	1.31E+07	1.13E+08	2.49E+08	220	Increasing	0.2615
CB7.4	Fall	AP	Biomass to Abundance Ratio	0.0510	2.09	48.11	39.80	83	No Trend	0.0619
CB7.4	Fall	AP	Margalef Diversity Index	0.0898	-0.03	3.18	-0.59	-18	No Trend	0.5532
CB7.4	Fall	AP	Diatom Biomass	0.0023	1.05E+07	6.47E+07	1.99E+08	307	Improving	0.6458
CB7.4	Fall	AP	Dinoflagellate Biomass	0.1616	8.21E+05	1.59E+07	1.56E+07	98	No Trend	0.2005
CB7.4	Fall	AP	Cyanobacteria Biomass	0.0001	1.08E+04	0.00	2.06E+05	N.E.	Degrading	0.3977
CB7.4	Fall	AP	Chlorophyte Biomass	0.0089	2.21E+04	9.54E+04	4.19E+05	439	Improving	0.4138
CB7.4	Fall	AP	Procaryote Biomass	0.0001	4.59E-05	0.00	8.72E-04	N.E.	Degrading	0.4694
CB7.4	Fall	AP	Cryptophyte Biomass	0.6408	-1.29E+05	1.49E+07	-2.45E+06	-17	No Trend	0.2322
CB7.4	Fall	AP	Cyanobacteria Abundance	0.0031	4.79E+03	0.00	9.10E+04	N.E.	Degrading	0.2016

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF5.5	Spring1	AP	Total Abundance	0.4452	3.45E+05	1.75E+07	6.21E+06	36	No Trend	0.0099
TF5.5	Spring1	AP	Total Biomass	0.0001	7.51E+07	4.06E+08	1.35E+09	333	Increasing	0.2164
TF5.5	Spring1	AP	Biomass to Abundance Ratio	0.0000	3.18	26.89	57.26	213	Improving	0.5197
TF5.5	Spring1	AP	Margalef Diversity Index	0.7532	0.00	2.00	0.02	1	No Trend	0.8876
TF5.5	Spring1	AP	Diatom Biomass	0.0035	4.73E+07	3.73E+08	8.51E+08	228	Improving	0.2214
TF5.5	Spring1	AP	Dinoflagellate Biomass	0.8735	0.00	4.58E+05	0.00E+00	0	No Trend	0.9819
TF5.5	Spring1	AP	Cyanobacteria Biomass	0.1507	3.04E+05	7.70E+06	5.46E+06	71	No Trend	0.2895
TF5.5	Spring1	AP	Chlorophyte Biomass	0.0000	2.00E+07	1.17E+06	3.60E+08	30740	Improving	0.3689
TF5.5	Spring1	AP	Procaryote Biomass	0.2086	-2.67E-04	2.50E-02	-4.80E-03	-19	No Trend	0.1638
TF5.5	Spring1	AP	Cryptophyte Biomass	0.0173	1.10E+06	1.31E+07	1.98E+07	151	Increasing	0.4044
TF5.5	Spring1	AP	Cyanobacteria Abundance	0.0008	1.16E+05	3.78E+05	2.08E+06	551	Degrading	0.1236
RET5.2	Spring1	AP	Total Abundance	0.1974	3.89E+05	6.74E+06	7.00E+06	104	No Trend	0.8359
RET5.2	Spring1	AP	Total Biomass	0.0000	4.92E+07	1.66E+08	8.85E+08	534	Increasing	0.7071
RET5.2	Spring1	AP	Biomass to Abundance Ratio	0.0004	2.54	25.92	45.71	176	Improving	0.8901
RET5.2	Spring1	AP	Margalef Diversity Index	0.7473	0.00	1.41	-0.06	-4	No Trend	0.8496
RET5.2	Spring1	AP	Diatom Biomass	0.0015	2.02E+07	9.43E+07	3.64E+08	386	Improving	0.7150
RET5.2	Spring1	AP	Dinoflagellate Biomass	0.1816	0.00	0.00	0.00	N.E.	No Trend	0.1601
RET5.2	Spring1	AP	Cyanobacteria Biomass	0.3817	2.07E+05	1.26E+06	3.72E+06	296	No Trend	0.2769
RET5.2	Spring1	AP	Chlorophyte Biomass	0.0000	1.06E+07	1.84E+05	1.91E+08	103422	Improving	0.4161
RET5.2	Spring1	AP	Procaryote Biomass	0.4898	-1.96E-04	8.46E-03	-3.53E-03	-42	No Trend	0.2769
RET5.2	Spring1	AP	Cryptophyte Biomass	0.0011	1.89E+06	1.08E+07	3.40E+07	314	Increasing	0.7681
RET5.2	Spring1	AP	Cyanobacteria Abundance	0.1974	3.38E+04	1.71E+05	6.09E+05	356	No Trend	0.6103
LE5.5	Spring1	AP	Total Abundance	0.4978	-7.80E+04	8.93E+06	-1.40E+06	-16	No Trend	0.0547
LE5.5	Spring1	AP	Total Biomass	0.8099	-2.07E+06	7.18E+08	-3.73E+07	-5	No Trend	0.0999
LE5.5	Spring1	AP	Biomass to Abundance Ratio	0.3470	0.85	66.65	15.32	23	No Trend	0.6128
LE5.5	Spring1	AP	Margalef Diversity Index	0.3470	0.01	2.38	0.25	11	No Trend	0.6527
LE5.5	Spring1	AP	Diatom Biomass	0.7101	-3.47E+06	6.29E+08	-6.25E+07	-10	No Trend	0.1555
LE5.5	Spring1	AP	Dinoflagellate Biomass	0.3470	1.92E+06	2.41E+07	3.46E+07	143	No Trend	0.5370
LE5.5	Spring1	AP	Cyanobacteria Biomass	0.0161	6.51E+04	2.73E+05	1.17E+06	430	Degrading	0.9119
LE5.5	Spring1	AP	Chlorophyte Biomass	0.0169	1.54E+05	6.25E+05	2.77E+06	444	Improving	0.5973
LE5.5	Spring1	AP	Procaryote Biomass	0.0203	1.45E-04	2.25E-04	2.61E-03	1162	Degrading	0.9691
LE5.5	Spring1	AP	Cryptophyte Biomass	0.3470	4.56E+05	2.04E+07	8.21E+06	40	No Trend	0.0248
LE5.5	Spring1	AP	Cyanobacteria Abundance	0.0087	9.88E+03	6.46E+04	1.78E+05	275	Degrading	0.6168
SBE5	Spring1	AP	Total Abundance	0.9317	-2.60E+04	2.56E+06	-3.90E+05	-15	No Trend	0.6249
SBE5	Spring1	AP	Total Biomass	0.0633	-9.38E+06	1.02E+08	-1.41E+08	-138	No Trend	0.9126
SBE5	Spring1	AP	Biomass to Abundance Ratio	0.0370	-1.65	41.11	-24.77	-60	Degrading	0.6352
SBE5	Spring1	AP	Margalef Diversity Index	0.0370	-0.04	2.78	-0.56	-20	Degrading	0.0323
SBE5	Spring1	AP	Diatom Biomass	0.2414	-4.79E+06	6.83E+07	-7.18E+07	-105	No Trend	0.5989
SBE5	Spring1	AP	Dinoflagellate Biomass	0.0556	-1.10E+06	1.43E+07	-1.65E+07	-115	No Trend	0.8521
SBE5	Spring1	AP	Cyanobacteria Biomass	0.0164	1.03E+05	1.18E+05	1.55E+06	1310	Degrading	0.4997
SBE5	Spring1	AP	Chlorophyte Biomass	0.1031	1.52E+05	1.96E+06	2.28E+06	116	No Trend	0.4503
SBE5	Spring1	AP	Procaryote Biomass	0.0036	6.30E-04	1.25E-03	9.46E-03	756	Degrading	0.6797
SBE5	Spring1	AP	Cryptophyte Biomass	0.0110	1.32E+06	1.10E+07	1.98E+07	180	Increasing	0.3077
SBE5	Spring1	AP	Cyanobacteria Abundance	0.0030	2.45E+04	3.06E+04	3.67E+05	1198	Degrading	0.5951

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF4.2	Spring1	AP	Total Abundance	0.2819	7.35E+04	4.39E+06	1.25E+06	28	No Trend	0.7506
TF4.2	Spring1	AP	Total Biomass	0.1866	3.60E+06	1.25E+08	6.12E+07	49	No Trend	0.6691
TF4.2	Spring1	AP	Biomass to Abundance Ratio	0.4935	0.49	38.75	8.30	21	No Trend	0.5986
TF4.2	Spring1	AP	Margalef Diversity Index	0.1866	-0.02	1.74	-0.30	-17	No Trend	0.5348
TF4.2	Spring1	AP	Diatom Biomass	0.2819	2.03E+06	1.09E+08	3.46E+07	32	No Trend	0.7462
TF4.2	Spring1	AP	Dinoflagellate Biomass	0.0957	0.00	2.47E+05	0.00E+00	0	No Trend	0.3537
TF4.2	Spring1	AP	Cyanobacteria Biomass	0.0000	1.61E+05	3.43E+03	2.73E+06	79640	Degrading	0.8644
TF4.2	Spring1	AP	Chlorophyte Biomass	0.0005	3.75E+05	3.75E+05	6.37E+06	1698	Improving	0.4134
TF4.2	Spring1	AP	Procaryote Biomass	0.0001	9.10E-04	8.94E-06	1.55E-02	173076	Degrading	0.8396
TF4.2	Spring1	AP	Cryptophyte Biomass	0.0354	5.80E+05	8.08E+06	9.87E+06	122	Increasing	0.5377
TF4.2	Spring1	AP	Cyanobacteria Abundance	0.0000	2.88E+04	1.82E+03	4.89E+05	26873	Degrading	0.8017
RET4.3	Spring1	AP	Total Abundance	0.1010	3.21E+05	7.67E+06	5.79E+06	75	No Trend	0.9943
RET4.3	Spring1	AP	Total Biomass	0.0272	1.99E+07	3.58E+08	3.59E+08	100	Increasing	0.7843
RET4.3	Spring1	AP	Biomass to Abundance Ratio	0.1970	0.96	35.58	17.30	49	No Trend	0.8118
RET4.3	Spring1	AP	Margalef Diversity Index	0.3470	0.01	1.61	0.17	10	No Trend	0.3872
RET4.3	Spring1	AP	Diatom Biomass	0.0036	1.64E+07	1.23E+08	2.96E+08	241	Improving	0.9754
RET4.3	Spring1	AP	Dinoflagellate Biomass	0.7262	2.56E+05	8.59E+07	4.60E+06	5	No Trend	0.3841
RET4.3	Spring1	AP	Cyanobacteria Biomass	0.0000	2.82E+05	3.13E+05	5.08E+06	1623	Degrading	0.5155
RET4.3	Spring1	AP	Chlorophyte Biomass	0.0001	9.91E+05	0.00	1.78E+07	N.E.	Improving	0.3597
RET4.3	Spring1	AP	Procaryote Biomass	0.0005	5.78E-04	9.16E-04	1.04E-02	1135	Degrading	0.4662
RET4.3	Spring1	AP	Cryptophyte Biomass	0.0024	1.39E+06	2.25E+07	2.50E+07	111	Increasing	0.5989
RET4.3	Spring1	AP	Cyanobacteria Abundance	0.0000	3.62E+04	5.74E+04	6.51E+05	1135	Degrading	0.8920
WE4.2	Spring1	AP	Total Abundance	0.7194	4.74E+04	7.85E+06	8.53E+05	11	No Trend	0.5450
WE4.2	Spring1	AP	Total Biomass	0.8574	1.32E+06	5.95E+08	2.38E+07	4	No Trend	0.8102
WE4.2	Spring1	AP	Biomass to Abundance Ratio	0.5593	-0.81	67.72	-14.56	-21	No Trend	0.9569
WE4.2	Spring1	AP	Margalef Diversity Index	0.5005	-0.02	2.58	-0.29	-11	No Trend	0.5052
WE4.2	Spring1	AP	Diatom Biomass	0.9284	-4.39E+05	4.54E+08	-7.90E+06	-2	No Trend	0.8902
WE4.2	Spring1	AP	Dinoflagellate Biomass	0.2086	1.84E+06	6.63E+07	3.32E+07	50	No Trend	0.4113
WE4.2	Spring1	AP	Cyanobacteria Biomass	0.0106	5.04E+04	2.25E+04	9.07E+05	4022	Degrading	0.9695
WE4.2	Spring1	AP	Chlorophyte Biomass	0.0283	5.07E+04	2.28E+05	9.13E+05	400	Improving	0.5913
WE4.2	Spring1	AP	Procaryote Biomass	0.0492	6.79E-05	5.86E-05	1.22E-03	2084	Degrading	0.7434
WE4.2	Spring1	AP	Cryptophyte Biomass	0.4189	-2.76E+05	2.03E+07	-4.97E+06	-24	No Trend	0.7200
WE4.2	Spring1	AP	Cyanobacteria Abundance	0.0033	1.07E+04	2.17E+04	1.93E+05	893	Degrading	0.4326

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF3.3	Spring1	AP	Total Abundance	0.0000	9.26E+05	3.53E+06	1.67E+07	472	Increasing	0.6128
TF3.3	Spring1	AP	Total Biomass	0.0000	5.48E+07	8.99E+07	9.86E+08	1096	Increasing	0.2744
TF3.3	Spring1	AP	Biomass to Abundance Ratio	0.0081	1.67	23.99	30.00	125	Improving	0.0178
TF3.3	Spring1	AP	Margalef Diversity Index	0.5549	0.00	1.58	-0.08	-5	No Trend	0.8865
TF3.3	Spring1	AP	Diatom Biomass	0.0000	3.07E+07	7.80E+07	5.52E+08	708	Improving	0.2702
TF3.3	Spring1	AP	Dinoflagellate Biomass	0.5194	0.00	2.01E+05	0.00E+00	0	No Trend	0.7943
TF3.3	Spring1	AP	Cyanobacteria Biomass	0.0003	8.03E+05	1.89E+06	1.45E+07	765	Degrading	0.4277
TF3.3	Spring1	AP	Chlorophyte Biomass	0.0000	4.88E+06	2.82E+06	8.78E+07	3115	Improving	0.5381
TF3.3	Spring1	AP	Procaryote Biomass	0.7429	-7.83E-05	3.16E-02	-1.41E-03	-4	No Trend	0.0377
TF3.3	Spring1	AP	Cryptophyte Biomass	0.0516	1.14E+06	6.76E+06	2.06E+07	304	No Trend	0.9105
TF3.3	Spring1	AP	Cyanobacteria Abundance	0.0000	2.79E+05	2.88E+05	5.02E+06	1744	Degrading	0.6093
RET3.1	Spring1	AP	Total Abundance	0.0004	1.11E+06	6.28E+06	2.00E+07	319	Increasing	0.0781
RET3.1	Spring1	AP	Total Biomass	0.0011	4.87E+07	4.48E+08	8.76E+08	195	Increasing	0.0725
RET3.1	Spring1	AP	Biomass to Abundance Ratio	0.1970	0.72	63.50	12.90	20	No Trend	0.5248
RET3.1	Spring1	AP	Margalef Diversity Index	0.9477	0.00	1.90	-0.03	-1	No Trend	0.0682
RET3.1	Spring1	AP	Diatom Biomass	0.0135	1.71E+07	3.14E+08	3.08E+08	98	Improving	0.2621
RET3.1	Spring1	AP	Dinoflagellate Biomass	0.4146	-8.08E+04	5.16E+07	-1.45E+06	-3	No Trend	0.4907
RET3.1	Spring1	AP	Cyanobacteria Biomass	0.0006	7.18E+05	1.85E+06	1.29E+07	700	Degrading	0.0584
RET3.1	Spring1	AP	Chlorophyte Biomass	0.0000	2.77E+06	1.04E+06	4.99E+07	4777	Improving	0.6465
RET3.1	Spring1	AP	Procaryote Biomass	0.0660	4.30E-04	7.63E-03	7.73E-03	101	No Trend	0.5105
RET3.1	Spring1	AP	Cryptophyte Biomass	0.0008	2.37E+06	8.25E+06	4.27E+07	517	Increasing	0.2186
RET3.1	Spring1	AP	Cyanobacteria Abundance	0.0001	1.03E+05	1.43E+05	1.86E+06	1302	Degrading	0.2875
LE3.6	Spring1	AP	Total Abundance	0.2041	1.80E+05	9.37E+06	3.23E+06	34	No Trend	0.9170
LE3.6	Spring1	AP	Total Biomass	0.9816	2.31E+05	8.45E+08	4.15E+06	0	No Trend	0.2159
LE3.6	Spring1	AP	Biomass to Abundance Ratio	0.1111	-1.77	99.78	-31.93	-32	No Trend	0.6612
LE3.6	Spring1	AP	Margalef Diversity Index	0.9816	0.00	2.13	0.00	0	No Trend	0.1747
LE3.6	Spring1	AP	Diatom Biomass	0.7640	-4.73E+06	7.27E+08	-8.52E+07	-12	No Trend	0.1394
LE3.6	Spring1	AP	Dinoflagellate Biomass	0.0052	2.19E+06	1.44E+07	3.93E+07	273	Degrading	0.2036
LE3.6	Spring1	AP	Cyanobacteria Biomass	0.0860	2.05E+04	2.82E+05	3.68E+05	131	No Trend	0.3565
LE3.6	Spring1	AP	Chlorophyte Biomass	0.0959	1.18E+05	8.29E+05	2.13E+06	257	No Trend	0.5378
LE3.6	Spring1	AP	Procaryote Biomass	0.1503	3.23E-05	2.55E-04	5.81E-04	227	No Trend	0.2357
LE3.6	Spring1	AP	Cryptophyte Biomass	0.1163	5.76E+05	2.32E+07	1.04E+07	45	No Trend	0.2216
LE3.6	Spring1	AP	Cyanobacteria Abundance	0.0088	1.00E+04	5.16E+04	1.81E+05	350	Degrading	0.2730

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
CB6.1	Spring1	AP	Total Abundance	0.8716	2.80E+04	1.00E+07	5.04E+05	5	No Trend	0.6389
CB6.1	Spring1	AP	Total Biomass	0.2579	1.52E+07	8.41E+08	2.74E+08	33	No Trend	0.7246
CB6.1	Spring1	AP	Biomass to Abundance Ratio	0.5954	0.37	88.62	6.73	8	No Trend	0.8193
CB6.1	Spring1	AP	Margalef Diversity Index	0.6278	0.01	2.06	0.12	6	No Trend	0.7476
CB6.1	Spring1	AP	Diatom Biomass	0.5638	5.96E+06	7.89E+08	1.07E+08	14	No Trend	0.6569
CB6.1	Spring1	AP	Dinoflagellate Biomass	0.0002	3.82E+06	1.28E+07	6.88E+07	536	Degrading	0.4060
CB6.1	Spring1	AP	Cyanobacteria Biomass	0.0277	1.83E+04	1.01E+05	3.29E+05	325	Degrading	0.8954
CB6.1	Spring1	AP	Chlorophyte Biomass	0.1375	1.99E+04	2.73E+05	3.58E+05	131	No Trend	0.8733
CB6.1	Spring1	AP	Procaryote Biomass	0.0609	2.19E-05	6.53E-05	3.94E-04	604	No Trend	0.8868
CB6.1	Spring1	AP	Cryptophyte Biomass	0.9081	-9.07E+04	1.71E+07	-1.63E+06	-10	No Trend	0.9679
CB6.1	Spring1	AP	Cyanobacteria Abundance	0.0698	2.78E+03	1.35E+05	5.01E+04	37	No Trend	0.8504
CB6.4	Spring1	AP	Total Abundance	0.0433	1.53E+05	3.78E+06	2.75E+06	73	Increasing	0.9553
CB6.4	Spring1	AP	Total Biomass	0.0724	2.30E+07	3.31E+08	4.15E+08	125	No Trend	0.8021
CB6.4	Spring1	AP	Biomass to Abundance Ratio	0.5593	-0.46	108.82	-8.22	-8	No Trend	0.4619
CB6.4	Spring1	AP	Margalef Diversity Index	0.8928	0.00	2.13	-0.02	-1	No Trend	0.9731
CB6.4	Spring1	AP	Diatom Biomass	0.3016	1.24E+07	3.21E+08	2.23E+08	69	No Trend	0.8025
CB6.4	Spring1	AP	Dinoflagellate Biomass	0.0003	4.86E+06	8.88E+06	8.74E+07	985	Degrading	0.9209
CB6.4	Spring1	AP	Cyanobacteria Biomass	0.0010	5.95E+04	0.00	1.07E+06	N.E.	Degrading	0.6500
CB6.4	Spring1	AP	Chlorophyte Biomass	0.0014	1.59E+05	4.67E+04	2.87E+06	6143	Improving	0.6141
CB6.4	Spring1	AP	Procaryote Biomass	0.0060	4.73E-05	0.00	8.51E-04	N.E.	Degrading	0.4499
CB6.4	Spring1	AP	Cryptophyte Biomass	0.0482	7.52E+05	1.38E+07	1.35E+07	98	Increasing	0.3276
CB6.4	Spring1	AP	Cyanobacteria Abundance	0.0213	9.64E+03	8.13E+04	1.74E+05	214	Degrading	0.2457
CB7.3E	Spring1	AP	Total Abundance	0.3679	8.85E+04	5.22E+06	1.59E+06	30	No Trend	0.7244
CB7.3E	Spring1	AP	Total Biomass	0.2210	1.35E+07	6.86E+08	2.42E+08	35	No Trend	0.3642
CB7.3E	Spring1	AP	Biomass to Abundance Ratio	0.7291	0.54	93.13	9.79	11	No Trend	0.8627
CB7.3E	Spring1	AP	Margalef Diversity Index	0.4741	-0.01	2.55	-0.14	-5	No Trend	0.8842
CB7.3E	Spring1	AP	Diatom Biomass	0.5638	4.29E+06	6.37E+08	7.73E+07	12	No Trend	0.4931
CB7.3E	Spring1	AP	Dinoflagellate Biomass	0.0197	3.00E+06	5.10E+07	5.40E+07	106	Degrading	0.9386
CB7.3E	Spring1	AP	Cyanobacteria Biomass	0.0003	3.94E+04	1.27E+05	7.10E+05	559	Degrading	0.7683
CB7.3E	Spring1	AP	Chlorophyte Biomass	0.0205	1.96E+04	9.33E+04	3.53E+05	378	Improving	0.4905
CB7.3E	Spring1	AP	Procaryote Biomass	0.0006	6.74E-05	1.04E-04	1.21E-03	1170	Degrading	0.9910
CB7.3E	Spring1	AP	Cryptophyte Biomass	0.4323	-2.68E+05	2.06E+07	-4.82E+06	-23	No Trend	0.5463
CB7.3E	Spring1	AP	Cyanobacteria Abundance	0.0010	8.86E+03	1.17E+04	1.59E+05	1364	Degrading	0.8833
CB7.4	Spring1	AP	Total Abundance	0.0833	1.79E+05	5.13E+06	3.22E+06	63	No Trend	0.7168
CB7.4	Spring1	AP	Total Biomass	0.1881	9.58E+06	4.63E+08	1.72E+08	37	No Trend	0.7164
CB7.4	Spring1	AP	Biomass to Abundance Ratio	0.6278	-0.70	89.31	-12.67	-14	No Trend	0.8912
CB7.4	Spring1	AP	Margalef Diversity Index	0.0399	-0.03	2.62	-0.49	-19	Degrading	0.6194
CB7.4	Spring1	AP	Diatom Biomass	0.4741	6.44E+06	4.23E+08	1.16E+08	27	No Trend	0.8439
CB7.4	Spring1	AP	Dinoflagellate Biomass	0.0223	1.70E+06	2.65E+07	3.06E+07	115	Degrading	0.0979
CB7.4	Spring1	AP	Cyanobacteria Biomass	0.0015	8.78E+04	9.80E+02	1.58E+06	161286	Degrading	0.9401
CB7.4	Spring1	AP	Chlorophyte Biomass	0.3100	1.01E+02	1.03E+03	1.81E+03	177	No Trend	0.9317
CB7.4	Spring1	AP	Procaryote Biomass	0.0029	1.53E-04	3.29E-07	2.75E-03	835161	Degrading	0.7792
CB7.4	Spring1	AP	Cryptophyte Biomass	0.1458	4.09E+05	1.16E+07	7.37E+06	63	No Trend	0.7198
CB7.4	Spring1	AP	Cyanobacteria Abundance	0.0019	1.25E+04	1.44E+02	2.25E+05	156030	Degrading	0.6730

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF5.5	Spring2	AP	Total Abundance	0.7532	-2.21E+05	3.59E+07	-3.98E+06	-11	No Trend	0.2158
TF5.5	Spring2	AP	Total Biomass	0.0002	8.45E+07	5.24E+08	1.52E+09	290	Increasing	0.2873
TF5.5	Spring2	AP	Biomass to Abundance Ratio	0.0000	3.09	18.87	55.68	295	Improving	0.6003
TF5.5	Spring2	AP	Margalef Diversity Index	0.4724	0.00	2.63	0.08	3	No Trend	0.9801
TF5.5	Spring2	AP	Diatom Biomass	0.0092	4.58E+07	4.58E+08	8.25E+08	180	Improving	0.4093
TF5.5	Spring2	AP	Dinoflagellate Biomass	0.6353	3.80E+01	8.68E+05	6.84E+02	0	No Trend	0.8994
TF5.5	Spring2	AP	Cyanobacteria Biomass	0.2811	3.59E+05	2.48E+07	6.46E+06	26	No Trend	0.2937
TF5.5	Spring2	AP	Chlorophyte Biomass	0.0000	3.37E+07	2.07E+07	6.07E+08	2938	Improving	0.6615
TF5.5	Spring2	AP	Procaryote Biomass	0.1779	-8.22E-04	4.52E-02	-1.48E-02	-33	No Trend	0.1473
TF5.5	Spring2	AP	Cryptophyte Biomass	0.0026	1.59E+06	1.45E+07	2.87E+07	197	Increasing	0.1617
TF5.5	Spring2	AP	Cyanobacteria Abundance	0.1268	1.30E+05	2.75E+06	2.34E+06	85	No Trend	0.5879
RET5.2	Spring2	AP	Total Abundance	0.0630	7.81E+05	1.34E+07	1.40E+07	105	No Trend	0.4124
RET5.2	Spring2	AP	Total Biomass	0.0000	6.95E+07	2.69E+08	1.25E+09	465	Increasing	0.7210
RET5.2	Spring2	AP	Biomass to Abundance Ratio	0.0001	1.97	18.38	35.43	193	Improving	0.8212
RET5.2	Spring2	AP	Margalef Diversity Index	0.4978	-0.01	1.36	-0.12	-9	No Trend	0.6603
RET5.2	Spring2	AP	Diatom Biomass	0.0004	4.06E+07	1.88E+08	7.30E+08	388	Improving	0.4547
RET5.2	Spring2	AP	Dinoflagellate Biomass	0.2207	0.00	3.40E+06	0.00E+00	0	No Trend	0.2918
RET5.2	Spring2	AP	Cyanobacteria Biomass	0.0378	7.82E+05	1.33E+06	1.41E+07	1056	Degrading	0.5753
RET5.2	Spring2	AP	Chlorophyte Biomass	0.0000	9.04E+06	7.72E+05	1.63E+08	21056	Improving	0.6603
RET5.2	Spring2	AP	Procaryote Biomass	0.8099	-3.27E-05	8.19E-03	-5.89E-04	-7	No Trend	0.6234
RET5.2	Spring2	AP	Cryptophyte Biomass	0.0002	3.00E+06	1.58E+07	5.39E+07	342	Increasing	0.5537
RET5.2	Spring2	AP	Cyanobacteria Abundance	0.0420	1.30E+05	4.51E+05	2.34E+06	519	Degrading	0.9606
LE5.5	Spring2	AP	Total Abundance	0.4184	7.75E+04	5.51E+06	1.39E+06	25	No Trend	0.4679
LE5.5	Spring2	AP	Total Biomass	0.0571	1.07E+07	3.77E+08	1.93E+08	51	No Trend	0.5932
LE5.5	Spring2	AP	Biomass to Abundance Ratio	0.1429	1.27	54.96	22.86	42	No Trend	0.3222
LE5.5	Spring2	AP	Margalef Diversity Index	0.7101	-0.01	2.50	-0.16	-6	No Trend	0.5820
LE5.5	Spring2	AP	Diatom Biomass	0.2464	3.84E+06	3.31E+08	6.92E+07	21	No Trend	0.9478
LE5.5	Spring2	AP	Dinoflagellate Biomass	0.3040	1.49E+06	2.35E+07	2.68E+07	114	No Trend	0.5129
LE5.5	Spring2	AP	Cyanobacteria Biomass	0.0075	4.58E+04	5.93E+05	8.25E+05	139	Degrading	0.9718
LE5.5	Spring2	AP	Chlorophyte Biomass	0.1025	1.09E+05	3.32E+05	1.96E+06	590	No Trend	0.6942
LE5.5	Spring2	AP	Procaryote Biomass	0.0302	1.30E-04	5.18E-04	2.35E-03	454	Degrading	0.9624
LE5.5	Spring2	AP	Cryptophyte Biomass	0.1313	8.20E+05	2.05E+07	1.48E+07	72	No Trend	0.0838
LE5.5	Spring2	AP	Cyanobacteria Abundance	0.0017	8.66E+03	4.67E+04	1.56E+05	334	Degrading	0.7348
SBE5	Spring2	AP	Total Abundance	0.0814	2.24E+05	2.23E+06	3.36E+06	151	No Trend	0.2709
SBE5	Spring2	AP	Total Biomass	0.7103	5.13E+06	8.67E+07	7.70E+07	89	No Trend	0.0176
SBE5	Spring2	AP	Biomass to Abundance Ratio	0.0207	-1.30	35.84	-19.43	-54	Degrading	0.8141
SBE5	Spring2	AP	Margalef Diversity Index	0.0056	-0.06	2.53	-0.83	-33	Degrading	0.1007
SBE5	Spring2	AP	Diatom Biomass	0.4405	2.78E+06	5.10E+07	4.17E+07	82	No Trend	0.0650
SBE5	Spring2	AP	Dinoflagellate Biomass	0.2192	-4.41E+05	1.11E+07	-6.61E+06	-60	No Trend	0.3077
SBE5	Spring2	AP	Cyanobacteria Biomass	0.0050	1.44E+05	3.61E+05	2.16E+06	598	Degrading	0.3441
SBE5	Spring2	AP	Chlorophyte Biomass	0.6468	4.99E+03	1.34E+06	7.48E+04	6	No Trend	0.5145
SBE5	Spring2	AP	Procaryote Biomass	0.0190	5.56E-04	2.25E-03	8.33E-03	371	Degrading	0.8844
SBE5	Spring2	AP	Cryptophyte Biomass	0.0321	1.36E+06	1.36E+07	2.04E+07	149	Increasing	0.3371
SBE5	Spring2	AP	Cyanobacteria Abundance	0.0026	2.84E+04	3.06E+04	4.25E+05	1389	Degrading	0.5765

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF4.2	Spring2	AP	Total Abundance	0.0165	1.87E+05	2.54E+06	3.17E+06	125	Increasing	0.1026
TF4.2	Spring2	AP	Total Biomass	0.0399	6.72E+06	9.72E+07	1.14E+08	117	Increasing	0.5491
TF4.2	Spring2	AP	Biomass to Abundance Ratio	0.5249	0.44	34.18	7.49	22	No Trend	0.5588
TF4.2	Spring2	AP	Margalef Diversity Index	0.3527	-0.01	1.81	-0.23	-13	No Trend	0.4952
TF4.2	Spring2	AP	Diatom Biomass	0.1423	3.29E+06	7.82E+07	5.60E+07	72	No Trend	0.7538
TF4.2	Spring2	AP	Dinoflagellate Biomass	0.8390	0.00	3.46E+05	0.00E+00	0	No Trend	0.2580
TF4.2	Spring2	AP	Cyanobacteria Biomass	0.0000	2.06E+05	2.23E+04	3.51E+06	15750	Degrading	0.8644
TF4.2	Spring2	AP	Chlorophyte Biomass	0.0001	4.67E+05	2.54E+05	7.94E+06	3127	Improving	0.3963
TF4.2	Spring2	AP	Procaryote Biomass	0.0006	9.75E-04	5.73E-04	1.66E-02	2892	Degrading	0.9766
TF4.2	Spring2	AP	Cryptophyte Biomass	0.0245	7.18E+05	8.11E+06	1.22E+07	150	Increasing	0.4292
TF4.2	Spring2	AP	Cyanobacteria Abundance	0.0000	4.86E+04	4.29E+03	8.26E+05	19258	Degrading	0.9570
RET4.3	Spring2	AP	Total Abundance	0.0348	3.54E+05	6.70E+06	6.37E+06	95	Increasing	0.7746
RET4.3	Spring2	AP	Total Biomass	0.0105	2.24E+07	2.17E+08	4.04E+08	186	Increasing	0.6940
RET4.3	Spring2	AP	Biomass to Abundance Ratio	0.2253	0.83	33.73	14.91	44	No Trend	0.7354
RET4.3	Spring2	AP	Margalef Diversity Index	0.8574	0.00	1.61	0.05	3	No Trend	0.3623
RET4.3	Spring2	AP	Diatom Biomass	0.0220	1.23E+07	1.23E+08	2.22E+08	181	Improving	0.5472
RET4.3	Spring2	AP	Dinoflagellate Biomass	0.3568	8.49E+05	2.86E+07	1.53E+07	53	No Trend	0.4384
RET4.3	Spring2	AP	Cyanobacteria Biomass	0.0000	5.70E+05	5.92E+05	1.03E+07	1731	Degrading	0.5451
RET4.3	Spring2	AP	Chlorophyte Biomass	0.0000	9.50E+05	1.78E+05	1.71E+07	9587	Improving	0.3087
RET4.3	Spring2	AP	Procaryote Biomass	0.0050	8.23E-04	2.50E-03	1.48E-02	593	Degrading	0.3640
RET4.3	Spring2	AP	Cryptophyte Biomass	0.0348	1.14E+06	2.25E+07	2.06E+07	92	Increasing	0.3579
RET4.3	Spring2	AP	Cyanobacteria Abundance	0.0000	7.06E+04	5.75E+04	1.27E+06	2210	Degrading	0.8383
WE4.2	Spring2	AP	Total Abundance	0.3456	1.10E+05	8.66E+06	1.97E+06	23	No Trend	0.8645
WE4.2	Spring2	AP	Total Biomass	0.1928	1.39E+07	4.48E+08	2.50E+08	56	No Trend	0.5828
WE4.2	Spring2	AP	Biomass to Abundance Ratio	0.5295	0.58	66.17	10.36	16	No Trend	0.2066
WE4.2	Spring2	AP	Margalef Diversity Index	0.4724	-0.02	2.56	-0.29	-11	No Trend	0.4692
WE4.2	Spring2	AP	Diatom Biomass	0.4724	5.74E+06	3.18E+08	1.03E+08	32	No Trend	0.5284
WE4.2	Spring2	AP	Dinoflagellate Biomass	0.5900	6.99E+05	8.06E+07	1.26E+07	16	No Trend	0.5633
WE4.2	Spring2	AP	Cyanobacteria Biomass	0.0010	5.16E+04	1.37E+04	9.29E+05	6767	Degrading	0.6264
WE4.2	Spring2	AP	Chlorophyte Biomass	0.0027	1.05E+05	3.00E+05	1.89E+06	630	Improving	0.8101
WE4.2	Spring2	AP	Procaryote Biomass	0.0137	5.66E-05	4.87E-05	1.02E-03	2089	Degrading	0.4858
WE4.2	Spring2	AP	Cryptophyte Biomass	0.2811	6.21E+05	1.82E+07	1.12E+07	62	No Trend	0.1912
WE4.2	Spring2	AP	Cyanobacteria Abundance	0.0002	1.22E+04	2.03E+04	2.20E+05	1084	Degrading	0.5597

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF3.3	Spring2	AP	Total Abundance	0.0000	1.65E+06	4.34E+06	2.98E+07	687	Increasing	0.1194
TF3.3	Spring2	AP	Total Biomass	0.0000	9.62E+07	9.74E+07	1.73E+09	1777	Increasing	0.1594
TF3.3	Spring2	AP	Biomass to Abundance Ratio	0.0092	1.42	21.63	25.56	118	Improving	0.0178
TF3.3	Spring2	AP	Margalef Diversity Index	0.9642	0.00	1.62	0.03	2	No Trend	0.3850
TF3.3	Spring2	AP	Diatom Biomass	0.0000	5.93E+07	7.24E+07	1.07E+09	1473	Improving	0.5926
TF3.3	Spring2	AP	Dinoflagellate Biomass	0.2466	1.52E+04	8.36E+05	2.74E+05	33	No Trend	0.9056
TF3.3	Spring2	AP	Cyanobacteria Biomass	0.0000	1.32E+06	1.47E+06	2.38E+07	1618	Degrading	0.0606
TF3.3	Spring2	AP	Chlorophyte Biomass	0.0000	1.17E+07	3.71E+06	2.11E+08	5680	Improving	1.0000
TF3.3	Spring2	AP	Procaryote Biomass	0.4724	3.46E-04	1.94E-02	6.23E-03	32	No Trend	0.0051
TF3.3	Spring2	AP	Cryptophyte Biomass	0.0348	1.27E+06	2.10E+07	2.29E+07	109	Increasing	0.7790
TF3.3	Spring2	AP	Cyanobacteria Abundance	0.0000	4.71E+05	8.29E+04	8.47E+06	10217	Degrading	0.3913
RET3.1	Spring2	AP	Total Abundance	0.0003	1.58E+06	7.30E+06	2.84E+07	390	Increasing	0.0684
RET3.1	Spring2	AP	Total Biomass	0.0003	4.71E+07	2.63E+08	8.48E+08	322	Increasing	0.0468
RET3.1	Spring2	AP	Biomass to Abundance Ratio	0.2253	0.48	35.47	8.62	24	No Trend	0.5305
RET3.1	Spring2	AP	Margalef Diversity Index	0.6213	0.00	1.58	0.09	6	No Trend	0.0772
RET3.1	Spring2	AP	Diatom Biomass	0.0012	2.46E+07	1.99E+08	4.42E+08	222	Improving	0.1969
RET3.1	Spring2	AP	Dinoflagellate Biomass	0.3780	-9.35E+04	6.15E+07	-1.68E+06	-3	No Trend	0.4916
RET3.1	Spring2	AP	Cyanobacteria Biomass	0.0000	1.44E+06	9.66E+05	2.59E+07	2675	Degrading	0.0837
RET3.1	Spring2	AP	Chlorophyte Biomass	0.0000	3.70E+06	8.86E+05	6.65E+07	7506	Improving	0.6888
RET3.1	Spring2	AP	Procaryote Biomass	0.0105	1.17E-03	5.10E-03	2.11E-02	413	Degrading	0.7805
RET3.1	Spring2	AP	Cryptophyte Biomass	0.0086	2.09E+06	1.34E+07	3.76E+07	280	Increasing	0.1044
RET3.1	Spring2	AP	Cyanobacteria Abundance	0.0000	3.62E+05	1.01E+05	6.52E+06	6432	Degrading	0.3227
LE3.6	Spring2	AP	Total Abundance	0.4461	1.13E+05	8.70E+06	2.03E+06	23	No Trend	0.5543
LE3.6	Spring2	AP	Total Biomass	0.2390	1.02E+07	5.62E+08	1.83E+08	33	No Trend	0.8882
LE3.6	Spring2	AP	Biomass to Abundance Ratio	0.8716	-0.11	82.61	-1.98	-2	No Trend	0.5825
LE3.6	Spring2	AP	Margalef Diversity Index	0.3208	-0.02	2.17	-0.31	-14	No Trend	0.8524
LE3.6	Spring2	AP	Diatom Biomass	0.3438	6.81E+06	4.61E+08	1.23E+08	27	No Trend	0.8673
LE3.6	Spring2	AP	Dinoflagellate Biomass	0.0497	2.07E+06	2.82E+07	3.72E+07	132	Degrading	0.6813
LE3.6	Spring2	AP	Cyanobacteria Biomass	0.0163	4.45E+04	4.09E+05	8.00E+05	196	Degrading	0.2024
LE3.6	Spring2	AP	Chlorophyte Biomass	0.2025	9.29E+04	8.29E+05	1.67E+06	202	No Trend	0.6119
LE3.6	Spring2	AP	Procaryote Biomass	0.0338	9.95E-05	8.95E-04	1.79E-03	200	Degrading	0.1108
LE3.6	Spring2	AP	Cryptophyte Biomass	0.6114	-1.58E+05	2.61E+07	-2.84E+06	-11	No Trend	0.2853
LE3.6	Spring2	AP	Cyanobacteria Abundance	0.0032	1.49E+04	4.68E+04	2.68E+05	573	Degrading	0.3679

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
CB6.1	Spring2	AP	Total Abundance	0.3929	1.14E+05	6.09E+06	2.05E+06	34	No Trend	0.4843
CB6.1	Spring2	AP	Total Biomass	0.4190	8.43E+06	7.63E+08	1.52E+08	20	No Trend	0.5562
CB6.1	Spring2	AP	Biomass to Abundance Ratio	0.7995	0.16	82.12	2.95	4	No Trend	0.6987
CB6.1	Spring2	AP	Margalef Diversity Index	0.5330	-0.01	2.19	-0.14	-6	No Trend	0.5653
CB6.1	Spring2	AP	Diatom Biomass	0.4461	4.41E+06	6.53E+08	7.94E+07	12	No Trend	0.6823
CB6.1	Spring2	AP	Dinoflagellate Biomass	0.0223	3.30E+06	2.08E+07	5.94E+07	286	Degrading	0.1711
CB6.1	Spring2	AP	Cyanobacteria Biomass	0.0041	7.95E+04	9.74E+04	1.43E+06	1469	Degrading	0.8810
CB6.1	Spring2	AP	Chlorophyte Biomass	0.0122	2.43E+04	4.70E+04	4.38E+05	932	Improving	0.4194
CB6.1	Spring2	AP	Procaryote Biomass	0.0109	6.87E-05	2.57E-05	1.24E-03	4808	Degrading	0.9147
CB6.1	Spring2	AP	Cryptophyte Biomass	0.7995	-2.38E+05	2.52E+07	-4.28E+06	-17	No Trend	0.9924
CB6.1	Spring2	AP	Cyanobacteria Abundance	0.0015	2.78E+04	1.35E+05	5.01E+05	372	Degrading	0.0586
CB6.4	Spring2	AP	Total Abundance	0.0966	1.47E+05	4.69E+06	2.65E+06	57	No Trend	0.8129
CB6.4	Spring2	AP	Total Biomass	0.0535	1.72E+07	3.36E+08	3.09E+08	92	No Trend	0.8650
CB6.4	Spring2	AP	Biomass to Abundance Ratio	0.4452	1.16	95.95	20.82	22	No Trend	0.6912
CB6.4	Spring2	AP	Margalef Diversity Index	0.4189	-0.01	2.19	-0.20	-9	No Trend	0.7200
CB6.4	Spring2	AP	Diatom Biomass	0.3935	7.97E+06	3.00E+08	1.43E+08	48	No Trend	0.7170
CB6.4	Spring2	AP	Dinoflagellate Biomass	0.0008	5.63E+06	1.80E+07	1.01E+08	562	Degrading	0.9817
CB6.4	Spring2	AP	Cyanobacteria Biomass	0.0055	2.09E+04	1.96E+03	3.77E+05	19232	Degrading	0.9299
CB6.4	Spring2	AP	Chlorophyte Biomass	0.0137	1.45E+05	1.99E+05	2.61E+06	1312	Improving	0.6960
CB6.4	Spring2	AP	Procaryote Biomass	0.0219	2.05E-05	3.05E-06	3.69E-04	12099	Degrading	0.7205
CB6.4	Spring2	AP	Cryptophyte Biomass	0.1639	7.59E+05	1.50E+07	1.37E+07	91	No Trend	0.3408
CB6.4	Spring2	AP	Cyanobacteria Abundance	0.0225	1.26E+04	1.36E+05	2.27E+05	167	Degrading	0.2558
CB7.3E	Spring2	AP	Total Abundance	0.2579	1.08E+05	5.56E+06	1.94E+06	35	No Trend	0.8335
CB7.3E	Spring2	AP	Total Biomass	0.0497	1.98E+07	4.56E+08	3.56E+08	78	Increasing	0.8250
CB7.3E	Spring2	AP	Biomass to Abundance Ratio	0.4741	0.61	74.97	10.92	15	No Trend	0.9732
CB7.3E	Spring2	AP	Margalef Diversity Index	0.3438	-0.01	2.61	-0.20	-8	No Trend	0.9199
CB7.3E	Spring2	AP	Diatom Biomass	0.2579	7.38E+06	3.79E+08	1.33E+08	35	No Trend	0.8704
CB7.3E	Spring2	AP	Dinoflagellate Biomass	0.0174	3.99E+06	4.15E+07	7.18E+07	173	Degrading	0.9328
CB7.3E	Spring2	AP	Cyanobacteria Biomass	0.0008	6.63E+04	7.71E+04	1.19E+06	1548	Degrading	0.5523
CB7.3E	Spring2	AP	Chlorophyte Biomass	0.0072	6.26E+04	0.00	1.13E+06	N.E.	Improving	0.3453
CB7.3E	Spring2	AP	Procaryote Biomass	0.0021	7.52E-05	1.09E-04	1.35E-03	1245	Degrading	0.8484
CB7.3E	Spring2	AP	Cryptophyte Biomass	0.7817	9.72E+04	2.22E+07	1.75E+06	8	No Trend	0.9487
CB7.3E	Spring2	AP	Cyanobacteria Abundance	0.0001	1.72E+04	1.00E+04	3.10E+05	3093	Degrading	0.9592
CB7.4	Spring2	AP	Total Abundance	0.1731	1.10E+05	5.77E+06	1.98E+06	34	No Trend	0.8143
CB7.4	Spring2	AP	Total Biomass	0.1881	6.78E+06	4.32E+08	1.22E+08	28	No Trend	0.7164
CB7.4	Spring2	AP	Biomass to Abundance Ratio	0.7291	-0.60	60.99	-10.72	-18	No Trend	0.8576
CB7.4	Spring2	AP	Margalef Diversity Index	0.0021	-0.04	2.80	-0.81	-29	Degrading	0.6233
CB7.4	Spring2	AP	Diatom Biomass	0.6278	2.98E+06	3.94E+08	5.37E+07	14	No Trend	0.8055
CB7.4	Spring2	AP	Dinoflagellate Biomass	0.3438	7.83E+05	1.92E+07	1.41E+07	73	No Trend	0.3070
CB7.4	Spring2	AP	Cyanobacteria Biomass	0.0004	5.93E+04	3.43E+03	1.07E+06	31137	Degrading	0.9860
CB7.4	Spring2	AP	Chlorophyte Biomass	0.5424	0.00	1.23E+05	0.00E+00	0	No Trend	0.9681
CB7.4	Spring2	AP	Procaryote Biomass	0.0004	1.53E-04	3.29E-07	2.75E-03	835161	Degrading	0.9983
CB7.4	Spring2	AP	Cryptophyte Biomass	0.2778	4.04E+05	1.16E+07	7.27E+06	63	No Trend	0.9473
CB7.4	Spring2	AP	Cyanobacteria Abundance	0.0012	1.09E+04	2.73E+04	1.96E+05	718	Degrading	0.7133

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF5.5	Summer1	AP	Total Abundance	0.0073	4.03E+06	4.15E+07	7.25E+07	175	Increasing	0.6209
TF5.5	Summer1	AP	Total Biomass	0.0000	1.83E+08	1.04E+09	3.29E+09	315	Increasing	0.6655
TF5.5	Summer1	AP	Biomass to Abundance Ratio	0.0003	1.23	21.85	22.20	102	Improving	0.8212
TF5.5	Summer1	AP	Margalef Diversity Index	0.5493	0.01	2.40	0.15	6	No Trend	0.9317
TF5.5	Summer1	AP	Diatom Biomass	0.0001	6.95E+07	6.32E+08	1.25E+09	198	Improving	0.8152
TF5.5	Summer1	AP	Dinoflagellate Biomass	0.1742	4.25E+04	9.76E+05	7.65E+05	78	No Trend	0.3952
TF5.5	Summer1	AP	Cyanobacteria Biomass	0.0158	1.02E+07	8.17E+07	1.83E+08	224	Degrading	0.8311
TF5.5	Summer1	AP	Chlorophyte Biomass	0.0000	6.99E+07	6.64E+07	1.26E+09	1896	Improving	0.9031
TF5.5	Summer1	AP	Procaryote Biomass	0.1006	-2.06E-03	8.27E-02	-3.71E-02	-45	No Trend	0.8589
TF5.5	Summer1	AP	Cryptophyte Biomass	0.0000	2.46E+06	1.48E+07	4.43E+07	299	Increasing	0.5634
TF5.5	Summer1	AP	Cyanobacteria Abundance	0.0558	2.18E+06	1.80E+07	3.92E+07	218	No Trend	0.7805
RET5.2	Summer1	AP	Total Abundance	0.0114	1.01E+06	7.29E+06	1.81E+07	249	Increasing	0.6326
RET5.2	Summer1	AP	Total Biomass	0.0002	5.18E+07	1.53E+08	9.32E+08	611	Increasing	0.4661
RET5.2	Summer1	AP	Biomass to Abundance Ratio	0.0013	1.26	17.16	22.66	132	Improving	0.4210
RET5.2	Summer1	AP	Margalef Diversity Index	0.0724	-0.03	1.93	-0.50	-26	No Trend	0.5929
RET5.2	Summer1	AP	Diatom Biomass	0.0011	2.82E+07	1.11E+08	5.08E+08	460	Improving	0.3075
RET5.2	Summer1	AP	Dinoflagellate Biomass	0.5744	7.30E+03	1.80E+06	1.31E+05	7	No Trend	0.9422
RET5.2	Summer1	AP	Cyanobacteria Biomass	0.0353	1.99E+06	5.66E+06	3.58E+07	632	Degrading	0.5204
RET5.2	Summer1	AP	Chlorophyte Biomass	0.0000	1.06E+07	4.83E+06	1.91E+08	3949	Improving	0.9255
RET5.2	Summer1	AP	Procaryote Biomass	0.6850	-3.83E-04	2.81E-02	-6.89E-03	-25	No Trend	0.5136
RET5.2	Summer1	AP	Cryptophyte Biomass	0.0068	1.39E+06	1.54E+07	2.50E+07	163	Increasing	0.2745
RET5.2	Summer1	AP	Cyanobacteria Abundance	0.1369	2.42E+05	1.89E+06	4.35E+06	230	No Trend	0.5684
LE5.5	Summer1	AP	Total Abundance	0.1539	1.30E+05	6.21E+06	2.48E+06	40	No Trend	0.7573
LE5.5	Summer1	AP	Total Biomass	0.0007	1.67E+07	2.54E+08	3.17E+08	125	Increasing	0.2392
LE5.5	Summer1	AP	Biomass to Abundance Ratio	0.0871	1.10	47.50	20.89	44	No Trend	0.3610
LE5.5	Summer1	AP	Margalef Diversity Index	0.5929	-0.01	2.53	-0.12	-5	No Trend	0.8447
LE5.5	Summer1	AP	Diatom Biomass	0.0010	1.07E+07	1.74E+08	2.04E+08	117	Improving	0.3745
LE5.5	Summer1	AP	Dinoflagellate Biomass	0.0939	1.87E+06	3.47E+07	3.56E+07	103	No Trend	0.3106
LE5.5	Summer1	AP	Cyanobacteria Biomass	0.0000	2.45E+04	2.75E+02	4.66E+05	169424	Degrading	0.6769
LE5.5	Summer1	AP	Chlorophyte Biomass	0.0398	1.38E+04	0.00	2.62E+05	N.E.	Improving	0.8020
LE5.5	Summer1	AP	Procaryote Biomass	0.0004	4.66E-05	3.52E-07	8.85E-04	251210	Degrading	0.6736
LE5.5	Summer1	AP	Cryptophyte Biomass	0.0499	-5.83E+05	2.99E+07	-1.11E+07	-37	Decreasing	0.6967
LE5.5	Summer1	AP	Cyanobacteria Abundance	0.0002	4.58E+03	1.83E+04	8.70E+04	476	Degrading	0.9980
SBE5	Summer1	AP	Total Abundance	0.0200	3.30E+05	4.02E+06	4.95E+06	123	Increasing	0.4031
SBE5	Summer1	AP	Total Biomass	0.0022	1.28E+07	1.03E+08	1.92E+08	186	Increasing	0.3599
SBE5	Summer1	AP	Biomass to Abundance Ratio	0.0748	0.75	24.21	11.29	47	No Trend	0.2444
SBE5	Summer1	AP	Margalef Diversity Index	0.6922	-0.01	1.78	-0.09	-5	No Trend	0.1817
SBE5	Summer1	AP	Diatom Biomass	0.0041	8.02E+06	5.90E+07	1.20E+08	204	Improving	0.5933
SBE5	Summer1	AP	Dinoflagellate Biomass	0.4884	3.03E+05	7.08E+06	4.55E+06	64	No Trend	0.9296
SBE5	Summer1	AP	Cyanobacteria Biomass	0.0001	3.00E+05	7.98E+05	4.50E+06	564	Degrading	0.8939
SBE5	Summer1	AP	Chlorophyte Biomass	0.6357	1.44E+03	1.92E+04	2.16E+04	112	No Trend	0.0310
SBE5	Summer1	AP	Procaryote Biomass	0.0064	1.05E-03	6.75E-03	1.58E-02	234	Degrading	0.9411
SBE5	Summer1	AP	Cryptophyte Biomass	0.1513	6.02E+05	1.57E+07	9.03E+06	57	No Trend	0.9238
SBE5	Summer1	AP	Cyanobacteria Abundance	0.0080	4.53E+04	4.98E+05	6.80E+05	137	Degrading	0.6664

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF4.2	Summer1	AP	Total Abundance	0.0002	4.11E+05	9.42E+06	6.99E+06	74	Increasing	0.4310
TF4.2	Summer1	AP	Total Biomass	0.0003	2.02E+07	1.89E+08	3.43E+08	181	Increasing	0.6135
TF4.2	Summer1	AP	Biomass to Abundance Ratio	0.2023	0.92	31.59	15.65	50	No Trend	0.3479
TF4.2	Summer1	AP	Margalef Diversity Index	0.1729	-0.02	2.16	-0.41	-19	No Trend	0.1873
TF4.2	Summer1	AP	Diatom Biomass	0.0312	6.44E+06	1.38E+08	1.09E+08	80	Improving	0.3966
TF4.2	Summer1	AP	Dinoflagellate Biomass	0.2525	2.91E+04	3.22E+05	4.95E+05	154	No Trend	0.0051
TF4.2	Summer1	AP	Cyanobacteria Biomass	0.0864	1.84E+05	9.70E+06	3.12E+06	32	No Trend	0.1024
TF4.2	Summer1	AP	Chlorophyte Biomass	0.0000	2.49E+06	7.82E+06	4.24E+07	542	Improving	0.7176
TF4.2	Summer1	AP	Procaryote Biomass	0.3792	-2.70E-04	2.89E-02	-4.59E-03	-16	No Trend	0.0639
TF4.2	Summer1	AP	Cryptophyte Biomass	0.0002	1.23E+06	7.07E+06	2.09E+07	295	Increasing	0.8712
TF4.2	Summer1	AP	Cyanobacteria Abundance	0.2530	3.04E+04	4.53E+06	5.17E+05	11	No Trend	0.1859
RET4.3	Summer1	AP	Total Abundance	0.0051	5.64E+05	1.36E+07	1.02E+07	75	Increasing	0.7169
RET4.3	Summer1	AP	Total Biomass	0.0205	1.51E+07	4.19E+08	2.72E+08	65	Increasing	0.8582
RET4.3	Summer1	AP	Biomass to Abundance Ratio	0.4808	0.14	31.87	2.44	8	No Trend	0.4773
RET4.3	Summer1	AP	Margalef Diversity Index	0.0281	-0.03	1.77	-0.46	-26	Degrading	0.4776
RET4.3	Summer1	AP	Diatom Biomass	0.1415	6.65E+06	3.10E+08	1.20E+08	39	No Trend	0.9842
RET4.3	Summer1	AP	Dinoflagellate Biomass	0.8720	-5.58E+04	3.38E+07	-1.00E+06	-3	No Trend	0.2919
RET4.3	Summer1	AP	Cyanobacteria Biomass	0.0031	9.31E+05	4.77E+06	1.68E+07	352	Degrading	0.4274
RET4.3	Summer1	AP	Chlorophyte Biomass	0.0000	8.95E+05	5.16E+05	1.61E+07	3126	Improving	0.7919
RET4.3	Summer1	AP	Procaryote Biomass	0.3647	3.55E-04	1.30E-02	6.40E-03	49	No Trend	0.6294
RET4.3	Summer1	AP	Cryptophyte Biomass	0.0184	1.41E+06	2.16E+07	2.54E+07	117	Increasing	0.3175
RET4.3	Summer1	AP	Cyanobacteria Abundance	0.0037	1.02E+05	4.38E+05	1.84E+06	420	Degrading	0.2908
WE4.2	Summer1	AP	Total Abundance	0.4329	4.55E+04	6.59E+06	8.65E+05	13	No Trend	0.9883
WE4.2	Summer1	AP	Total Biomass	0.0103	1.44E+07	2.55E+08	2.73E+08	107	Increasing	0.5127
WE4.2	Summer1	AP	Biomass to Abundance Ratio	0.0169	1.48	43.04	28.18	65	Improving	0.3357
WE4.2	Summer1	AP	Margalef Diversity Index	0.7755	-0.01	2.36	-0.13	-6	No Trend	0.0848
WE4.2	Summer1	AP	Diatom Biomass	0.0019	1.04E+07	1.51E+08	1.97E+08	131	Improving	0.5916
WE4.2	Summer1	AP	Dinoflagellate Biomass	0.5929	5.48E+05	7.18E+07	1.04E+07	15	No Trend	0.9970
WE4.2	Summer1	AP	Cyanobacteria Biomass	0.0000	3.88E+04	0.00	7.38E+05	N.E.	Degrading	0.2751
WE4.2	Summer1	AP	Chlorophyte Biomass	0.0233	2.76E+04	4.81E+04	5.25E+05	1090	Improving	0.4814
WE4.2	Summer1	AP	Procaryote Biomass	0.0005	5.97E-05	0.00	1.13E-03	N.E.	Degrading	0.1707
WE4.2	Summer1	AP	Cryptophyte Biomass	0.4123	-4.54E+05	3.38E+07	-8.62E+06	-26	No Trend	0.0219
WE4.2	Summer1	AP	Cyanobacteria Abundance	0.0002	4.04E+03	1.02E+04	7.68E+04	756	Degrading	0.1283

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF3.3	Summer1	AP	Total Abundance	0.0000	2.78E+06	6.37E+06	5.00E+07	785	Increasing	0.3486
TF3.3	Summer1	AP	Total Biomass	0.0000	9.49E+07	1.32E+08	1.71E+09	1291	Increasing	0.8659
TF3.3	Summer1	AP	Biomass to Abundance Ratio	0.0344	0.67	22.51	12.15	54	Improving	0.9169
TF3.3	Summer1	AP	Margalef Diversity Index	0.3438	0.01	1.72	0.22	13	No Trend	0.8401
TF3.3	Summer1	AP	Diatom Biomass	0.0000	5.04E+07	8.00E+07	9.08E+08	1135	Improving	0.9619
TF3.3	Summer1	AP	Dinoflagellate Biomass	0.0007	5.40E+05	1.28E+06	9.72E+06	759	Degrading	0.8029
TF3.3	Summer1	AP	Cyanobacteria Biomass	0.0000	6.18E+06	1.10E+06	1.11E+08	10102	Degrading	0.3669
TF3.3	Summer1	AP	Chlorophyte Biomass	0.0000	1.18E+07	3.81E+06	2.13E+08	5587	Improving	0.9267
TF3.3	Summer1	AP	Procaryote Biomass	0.1116	2.44E-03	4.44E-03	4.38E-02	987	No Trend	0.4755
TF3.3	Summer1	AP	Cryptophyte Biomass	0.0045	1.74E+06	1.34E+07	3.14E+07	234	Increasing	0.6260
TF3.3	Summer1	AP	Cyanobacteria Abundance	0.0000	1.33E+06	7.38E+04	2.40E+07	32457	Degrading	0.4303
RET3.1	Summer1	AP	Total Abundance	0.0000	1.67E+06	7.99E+06	3.00E+07	375	Increasing	0.8170
RET3.1	Summer1	AP	Total Biomass	0.0000	5.01E+07	2.61E+08	9.03E+08	345	Increasing	0.2502
RET3.1	Summer1	AP	Biomass to Abundance Ratio	0.4321	0.25	32.95	4.48	14	No Trend	0.6610
RET3.1	Summer1	AP	Margalef Diversity Index	0.5063	0.01	1.89	0.19	10	No Trend	0.8493
RET3.1	Summer1	AP	Diatom Biomass	0.0000	2.60E+07	1.60E+08	4.67E+08	291	Improving	0.9721
RET3.1	Summer1	AP	Dinoflagellate Biomass	0.4087	-1.37E+05	2.65E+07	-2.46E+06	-9	No Trend	0.9730
RET3.1	Summer1	AP	Cyanobacteria Biomass	0.0000	3.72E+06	2.77E+06	6.70E+07	2417	Degrading	0.8833
RET3.1	Summer1	AP	Chlorophyte Biomass	0.0001	1.99E+06	1.49E+06	3.58E+07	2399	Improving	0.5370
RET3.1	Summer1	AP	Procaryote Biomass	0.0021	3.75E-03	1.06E-02	6.76E-02	638	Degrading	0.7467
RET3.1	Summer1	AP	Cryptophyte Biomass	0.0228	1.72E+06	2.65E+07	3.10E+07	117	Increasing	0.3004
RET3.1	Summer1	AP	Cyanobacteria Abundance	0.0000	7.20E+05	8.26E+05	1.30E+07	1571	Degrading	0.7459
LE3.6	Summer1	AP	Total Abundance	0.0541	1.92E+05	5.73E+06	3.64E+06	64	No Trend	0.4282
LE3.6	Summer1	AP	Total Biomass	0.0026	2.03E+07	3.38E+08	3.85E+08	114	Increasing	0.7643
LE3.6	Summer1	AP	Biomass to Abundance Ratio	0.1362	1.30	55.71	24.62	44	No Trend	0.9633
LE3.6	Summer1	AP	Margalef Diversity Index	0.9710	0.00	2.54	-0.01	0	No Trend	0.7897
LE3.6	Summer1	AP	Diatom Biomass	0.0164	6.98E+06	1.84E+08	1.33E+08	72	Improving	0.6091
LE3.6	Summer1	AP	Dinoflagellate Biomass	0.0036	8.67E+06	7.69E+07	1.65E+08	214	Degrading	0.9013
LE3.6	Summer1	AP	Cyanobacteria Biomass	0.0014	8.46E+04	7.48E+04	1.61E+06	2151	Degrading	0.8921
LE3.6	Summer1	AP	Chlorophyte Biomass	0.1866	4.27E+03	2.80E+05	8.11E+04	29	No Trend	0.3703
LE3.6	Summer1	AP	Procaryote Biomass	0.0039	1.43E-04	1.15E-04	2.72E-03	2352	Degrading	0.8318
LE3.6	Summer1	AP	Cryptophyte Biomass	0.3264	-5.35E+05	4.29E+07	-1.02E+07	-24	No Trend	0.2508
LE3.6	Summer1	AP	Cyanobacteria Abundance	0.0011	2.55E+04	2.49E+04	4.85E+05	1948	Degrading	0.8403

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
CB6.1	Summer1	AP	Total Abundance	0.2756	6.94E+04	4.81E+06	1.32E+06	27	No Trend	0.8498
CB6.1	Summer1	AP	Total Biomass	0.0121	1.26E+07	4.02E+08	2.39E+08	59	Increasing	0.2643
CB6.1	Summer1	AP	Biomass to Abundance Ratio	0.1098	1.06	81.87	20.05	24	No Trend	0.4782
CB6.1	Summer1	AP	Margalef Diversity Index	0.4453	0.01	2.57	0.17	6	No Trend	0.3106
CB6.1	Summer1	AP	Diatom Biomass	0.0051	6.78E+06	1.06E+08	1.29E+08	122	Improving	0.5890
CB6.1	Summer1	AP	Dinoflagellate Biomass	0.4898	1.80E+06	4.45E+07	3.41E+07	77	No Trend	0.8486
CB6.1	Summer1	AP	Cyanobacteria Biomass	0.0000	8.82E+04	1.02E+05	1.68E+06	1635	Degrading	0.6529
CB6.1	Summer1	AP	Chlorophyte Biomass	0.0023	2.70E+04	1.17E+05	5.13E+05	440	Improving	0.3776
CB6.1	Summer1	AP	Procaryote Biomass	0.0004	1.29E-04	1.23E-04	2.45E-03	1996	Degrading	0.5269
CB6.1	Summer1	AP	Cryptophyte Biomass	0.0945	-8.95E+05	2.98E+07	-1.70E+07	-57	No Trend	0.6423
CB6.1	Summer1	AP	Cyanobacteria Abundance	0.0000	2.31E+04	5.33E+04	4.39E+05	824	Degrading	0.4598
CB6.4	Summer1	AP	Total Abundance	0.1994	9.79E+04	3.13E+06	1.86E+06	59	No Trend	0.8965
CB6.4	Summer1	AP	Total Biomass	0.0093	1.43E+07	1.81E+08	2.72E+08	150	Increasing	0.8056
CB6.4	Summer1	AP	Biomass to Abundance Ratio	0.0186	1.99	59.94	37.79	63	Improving	0.9646
CB6.4	Summer1	AP	Margalef Diversity Index	0.6688	0.01	2.18	0.11	5	No Trend	0.1050
CB6.4	Summer1	AP	Diatom Biomass	0.2540	3.74E+06	7.67E+07	7.10E+07	93	No Trend	0.8389
CB6.4	Summer1	AP	Dinoflagellate Biomass	0.0028	6.72E+06	4.63E+07	1.28E+08	275	Degrading	0.5535
CB6.4	Summer1	AP	Cyanobacteria Biomass	0.0000	3.91E+04	0.00	7.43E+05	N.E.	Degrading	0.7481
CB6.4	Summer1	AP	Chlorophyte Biomass	0.0175	7.43E+04	1.31E+05	1.41E+06	1073	Improving	0.9811
CB6.4	Summer1	AP	Procaryote Biomass	0.0002	9.84E-05	0.00	1.87E-03	N.E.	Degrading	0.8258
CB6.4	Summer1	AP	Cryptophyte Biomass	0.4541	-4.32E+05	3.04E+07	-8.21E+06	-27	No Trend	0.2467
CB6.4	Summer1	AP	Cyanobacteria Abundance	0.0000	1.46E+04	1.32E+04	2.77E+05	2097	Degrading	0.8914
CB7.3E	Summer1	AP	Total Abundance	0.0205	1.34E+05	3.44E+06	2.55E+06	74	Increasing	0.1844
CB7.3E	Summer1	AP	Total Biomass	0.0001	1.73E+07	2.38E+08	3.28E+08	138	Increasing	0.5065
CB7.3E	Summer1	AP	Biomass to Abundance Ratio	0.1011	1.33	70.01	25.18	36	No Trend	0.6932
CB7.3E	Summer1	AP	Margalef Diversity Index	0.5211	-0.01	2.66	-0.17	-6	No Trend	0.5811
CB7.3E	Summer1	AP	Diatom Biomass	0.0126	7.70E+06	1.62E+08	1.46E+08	90	Improving	0.2872
CB7.3E	Summer1	AP	Dinoflagellate Biomass	0.0002	4.74E+06	3.28E+07	9.01E+07	275	Degrading	0.7968
CB7.3E	Summer1	AP	Cyanobacteria Biomass	0.0035	2.57E+04	5.07E+04	4.88E+05	961	Degrading	0.9803
CB7.3E	Summer1	AP	Chlorophyte Biomass	0.0141	3.58E+04	9.62E+04	6.81E+05	708	Improving	0.5786
CB7.3E	Summer1	AP	Procaryote Biomass	0.0046	4.08E-05	1.36E-04	7.74E-04	570	Degrading	0.9972
CB7.3E	Summer1	AP	Cryptophyte Biomass	0.3728	2.73E+05	1.87E+07	5.19E+06	28	No Trend	0.2577
CB7.3E	Summer1	AP	Cyanobacteria Abundance	0.0007	7.16E+03	6.19E+03	1.36E+05	2199	Degrading	0.7233
CB7.4	Summer1	AP	Total Abundance	0.0075	1.66E+05	2.27E+06	3.16E+06	139	Increasing	0.4406
CB7.4	Summer1	AP	Total Biomass	0.0015	1.86E+07	1.53E+08	3.53E+08	232	Increasing	0.5884
CB7.4	Summer1	AP	Biomass to Abundance Ratio	0.5445	0.49	70.18	9.34	13	No Trend	0.6754
CB7.4	Summer1	AP	Margalef Diversity Index	0.0035	-0.04	3.14	-0.79	-25	Degrading	0.5244
CB7.4	Summer1	AP	Diatom Biomass	0.0024	1.01E+07	1.12E+08	1.91E+08	171	Improving	0.1347
CB7.4	Summer1	AP	Dinoflagellate Biomass	0.0387	1.72E+06	1.62E+07	3.27E+07	202	Degrading	0.2564
CB7.4	Summer1	AP	Cyanobacteria Biomass	0.0010	1.49E+03	7.91E+03	2.83E+04	358	Degrading	0.1289
CB7.4	Summer1	AP	Chlorophyte Biomass	0.4639	0.00	1.34E+05	0.00E+00	0	No Trend	0.2287
CB7.4	Summer1	AP	Procaryote Biomass	0.0016	1.13E-05	4.56E-05	2.15E-04	472	Degrading	0.2753
CB7.4	Summer1	AP	Cryptophyte Biomass	0.5929	1.76E+05	7.62E+06	3.34E+06	44	No Trend	0.5448
CB7.4	Summer1	AP	Cyanobacteria Abundance	0.0013	4.06E+03	1.14E+04	7.72E+04	679	Degrading	0.2085

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF5.5	Summer2	AP	Total Abundance	0.0092	4.67E+06	3.42E+07	8.40E+07	246	Increasing	0.4751
TF5.5	Summer2	AP	Total Biomass	0.0001	1.75E+08	1.07E+09	3.16E+09	294	Increasing	0.7211
TF5.5	Summer2	AP	Biomass to Abundance Ratio	0.0030	0.98	21.85	17.69	81	Improving	0.6820
TF5.5	Summer2	AP	Margalef Diversity Index	0.6861	0.01	2.39	0.16	7	No Trend	0.8218
TF5.5	Summer2	AP	Diatom Biomass	0.0030	6.89E+07	6.32E+08	1.24E+09	196	Improving	0.7762
TF5.5	Summer2	AP	Dinoflagellate Biomass	0.2223	4.67E+04	4.10E+05	8.41E+05	205	No Trend	0.2261
TF5.5	Summer2	AP	Cyanobacteria Biomass	0.0105	1.25E+07	8.17E+07	2.24E+08	275	Degrading	0.9818
TF5.5	Summer2	AP	Chlorophyte Biomass	0.0000	6.33E+07	5.07E+07	1.14E+09	2250	Improving	0.7619
TF5.5	Summer2	AP	Procaryote Biomass	0.3232	-1.44E-03	8.27E-02	-2.59E-02	-31	No Trend	0.9831
TF5.5	Summer2	AP	Cryptophyte Biomass	0.0008	2.35E+06	1.48E+07	4.22E+07	285	Increasing	0.5205
TF5.5	Summer2	AP	Cyanobacteria Abundance	0.0433	2.87E+06	1.80E+07	5.17E+07	288	Degrading	0.7475
RET5.2	Summer2	AP	Total Abundance	0.0966	5.93E+05	7.29E+06	1.07E+07	146	No Trend	0.7369
RET5.2	Summer2	AP	Total Biomass	0.0105	4.08E+07	1.53E+08	7.35E+08	482	Increasing	0.6725
RET5.2	Summer2	AP	Biomass to Abundance Ratio	0.0247	1.07	17.47	19.29	110	Improving	0.4364
RET5.2	Summer2	AP	Margalef Diversity Index	0.1383	-0.03	1.93	-0.48	-25	No Trend	0.3890
RET5.2	Summer2	AP	Diatom Biomass	0.0482	1.89E+07	1.11E+08	3.40E+08	307	Improving	0.6737
RET5.2	Summer2	AP	Dinoflagellate Biomass	0.7355	3.89E+03	1.80E+06	7.00E+04	4	No Trend	0.8606
RET5.2	Summer2	AP	Cyanobacteria Biomass	0.1383	1.82E+06	5.66E+06	3.27E+07	577	No Trend	0.4081
RET5.2	Summer2	AP	Chlorophyte Biomass	0.0003	9.66E+06	4.83E+06	1.74E+08	3602	Improving	0.8163
RET5.2	Summer2	AP	Procaryote Biomass	0.9284	-1.91E-04	4.21E-02	-3.44E-03	-8	No Trend	0.3599
RET5.2	Summer2	AP	Cryptophyte Biomass	0.1443	8.75E+05	1.63E+07	1.57E+07	96	No Trend	0.6226
RET5.2	Summer2	AP	Cyanobacteria Abundance	0.3456	1.25E+05	1.89E+06	2.25E+06	119	No Trend	0.4637
LE5.5	Summer2	AP	Total Abundance	0.1760	1.48E+05	5.76E+06	2.81E+06	49	No Trend	0.5713
LE5.5	Summer2	AP	Total Biomass	0.0044	1.67E+07	2.54E+08	3.17E+08	125	Increasing	0.1236
LE5.5	Summer2	AP	Biomass to Abundance Ratio	0.3424	0.65	47.50	12.44	26	No Trend	0.3824
LE5.5	Summer2	AP	Margalef Diversity Index	0.9517	0.00	2.37	-0.02	-1	No Trend	0.9569
LE5.5	Summer2	AP	Diatom Biomass	0.0011	1.21E+07	1.61E+08	2.31E+08	143	Improving	0.3083
LE5.5	Summer2	AP	Dinoflagellate Biomass	0.1634	1.74E+06	4.93E+07	3.32E+07	67	No Trend	0.1683
LE5.5	Summer2	AP	Cyanobacteria Biomass	0.0001	2.74E+04	0.00	5.21E+05	N.E.	Degrading	0.5653
LE5.5	Summer2	AP	Chlorophyte Biomass	0.0455	1.47E+04	0.00	2.78E+05	N.E.	Improving	0.6756
LE5.5	Summer2	AP	Procaryote Biomass	0.0006	4.76E-05	0.00	9.03E-04	N.E.	Degrading	0.6154
LE5.5	Summer2	AP	Cryptophyte Biomass	0.0277	-7.56E+05	3.33E+07	-1.44E+07	-43	Decreasing	0.8620
LE5.5	Summer2	AP	Cyanobacteria Abundance	0.0014	4.77E+03	1.83E+04	9.06E+04	496	Degrading	0.9821
SBE5	Summer2	AP	Total Abundance	0.1793	1.85E+05	4.70E+06	2.77E+06	59	No Trend	0.5703
SBE5	Summer2	AP	Total Biomass	0.0370	9.95E+06	1.12E+08	1.49E+08	133	Increasing	0.3854
SBE5	Summer2	AP	Biomass to Abundance Ratio	0.0110	1.06	21.50	15.90	74	Improving	0.9216
SBE5	Summer2	AP	Margalef Diversity Index	0.8864	0.01	1.65	0.08	5	No Trend	0.1405
SBE5	Summer2	AP	Diatom Biomass	0.0425	5.34E+06	6.85E+07	8.01E+07	117	Improving	0.5873
SBE5	Summer2	AP	Dinoflagellate Biomass	0.6272	2.69E+05	7.08E+06	4.04E+06	57	No Trend	0.8194
SBE5	Summer2	AP	Cyanobacteria Biomass	0.0017	2.96E+05	7.98E+05	4.43E+06	556	Degrading	0.8325
SBE5	Summer2	AP	Chlorophyte Biomass	0.4538	4.47E+04	1.27E+04	6.71E+05	5285	No Trend	0.0148
SBE5	Summer2	AP	Procaryote Biomass	0.0164	1.28E-03	6.75E-03	1.93E-02	285	Degrading	0.8232
SBE5	Summer2	AP	Cryptophyte Biomass	0.3173	4.78E+05	1.57E+07	7.17E+06	46	No Trend	0.8862
SBE5	Summer2	AP	Cyanobacteria Abundance	0.0814	4.14E+04	6.71E+05	6.22E+05	93	No Trend	0.8438

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF4.2	Summer2	AP	Total Abundance	0.0088	3.65E+05	1.09E+07	6.20E+06	57	Increasing	0.6260
TF4.2	Summer2	AP	Total Biomass	0.0018	2.32E+07	2.31E+08	3.95E+08	171	Increasing	0.4052
TF4.2	Summer2	AP	Biomass to Abundance Ratio	0.0867	1.28	31.59	21.78	69	No Trend	0.4265
TF4.2	Summer2	AP	Margalef Diversity Index	0.1440	-0.03	2.24	-0.57	-25	No Trend	0.1100
TF4.2	Summer2	AP	Diatom Biomass	0.0623	7.33E+06	1.75E+08	1.25E+08	71	No Trend	0.2267
TF4.2	Summer2	AP	Dinoflagellate Biomass	0.5789	9.49E+03	6.39E+05	1.61E+05	25	No Trend	0.0025
TF4.2	Summer2	AP	Cyanobacteria Biomass	0.6144	1.31E+05	1.53E+07	2.23E+06	15	No Trend	0.3480
TF4.2	Summer2	AP	Chlorophyte Biomass	0.0001	5.61E+06	1.29E+07	9.53E+07	741	Improving	0.5627
TF4.2	Summer2	AP	Procaryote Biomass	0.0439	-9.66E-04	3.23E-02	-1.64E-02	-51	Improving	0.7455
TF4.2	Summer2	AP	Cryptophyte Biomass	0.0025	9.96E+05	8.41E+06	1.69E+07	201	Increasing	0.7755
TF4.2	Summer2	AP	Cyanobacteria Abundance	1.0000	2.79E+03	5.64E+06	4.75E+04	1	No Trend	0.7229
RET4.3	Summer2	AP	Total Abundance	0.0283	6.00E+05	1.38E+07	1.08E+07	78	Increasing	0.5650
RET4.3	Summer2	AP	Total Biomass	0.1111	1.14E+07	4.19E+08	2.05E+08	49	No Trend	0.9767
RET4.3	Summer2	AP	Biomass to Abundance Ratio	0.4461	0.14	29.34	2.52	9	No Trend	0.2996
RET4.3	Summer2	AP	Margalef Diversity Index	0.0223	-0.03	1.72	-0.57	-33	Degrading	0.4015
RET4.3	Summer2	AP	Diatom Biomass	0.1458	7.81E+06	3.10E+08	1.41E+08	45	No Trend	0.9894
RET4.3	Summer2	AP	Dinoflagellate Biomass	0.5482	-2.44E+05	3.13E+07	-4.39E+06	-14	No Trend	0.2487
RET4.3	Summer2	AP	Cyanobacteria Biomass	0.0754	8.02E+05	7.08E+06	1.44E+07	204	No Trend	0.9026
RET4.3	Summer2	AP	Chlorophyte Biomass	0.0000	7.75E+05	6.02E+05	1.40E+07	2318	Improving	0.6628
RET4.3	Summer2	AP	Procaryote Biomass	0.6278	3.28E-04	1.30E-02	5.91E-03	45	No Trend	0.5025
RET4.3	Summer2	AP	Cryptophyte Biomass	0.0118	1.70E+06	2.02E+07	3.06E+07	151	Increasing	0.2686
RET4.3	Summer2	AP	Cyanobacteria Abundance	0.0963	7.31E+04	7.84E+05	1.32E+06	168	No Trend	0.6973
WE4.2	Summer2	AP	Total Abundance	0.5051	3.59E+04	5.39E+06	6.81E+05	13	No Trend	0.9383
WE4.2	Summer2	AP	Total Biomass	0.0375	1.33E+07	2.40E+08	2.52E+08	105	Increasing	0.3318
WE4.2	Summer2	AP	Biomass to Abundance Ratio	0.0789	1.16	47.85	22.12	46	No Trend	0.2291
WE4.2	Summer2	AP	Margalef Diversity Index	0.6714	0.01	2.41	0.16	7	No Trend	0.1006
WE4.2	Summer2	AP	Diatom Biomass	0.0044	9.17E+06	1.27E+08	1.74E+08	137	Improving	0.4082
WE4.2	Summer2	AP	Dinoflagellate Biomass	0.6136	5.47E+05	7.18E+07	1.04E+07	14	No Trend	0.9790
WE4.2	Summer2	AP	Cyanobacteria Biomass	0.0006	3.42E+04	0.00	6.49E+05	N.E.	Degrading	0.1708
WE4.2	Summer2	AP	Chlorophyte Biomass	0.1256	1.38E+04	4.81E+04	2.61E+05	543	No Trend	0.4494
WE4.2	Summer2	AP	Procaryote Biomass	0.0054	5.81E-05	0.00	1.10E-03	N.E.	Degrading	0.0924
WE4.2	Summer2	AP	Cryptophyte Biomass	0.0413	-1.03E+06	3.56E+07	-1.95E+07	-55	Decreasing	0.4365
WE4.2	Summer2	AP	Cyanobacteria Abundance	0.0035	4.51E+03	5.32E+04	8.57E+04	161	Degrading	0.0713

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF3.3	Summer2	AP	Total Abundance	0.0000	2.72E+06	7.34E+06	4.89E+07	666	Increasing	0.9603
TF3.3	Summer2	AP	Total Biomass	0.0000	8.61E+07	1.84E+08	1.55E+09	841	Increasing	0.9157
TF3.3	Summer2	AP	Biomass to Abundance Ratio	0.1111	0.68	22.51	12.30	55	No Trend	0.8748
TF3.3	Summer2	AP	Margalef Diversity Index	0.6609	0.01	1.96	0.12	6	No Trend	0.8869
TF3.3	Summer2	AP	Diatom Biomass	0.0000	4.52E+07	1.27E+08	8.13E+08	640	Improving	0.9073
TF3.3	Summer2	AP	Dinoflagellate Biomass	0.0007	6.56E+05	1.61E+06	1.18E+07	732	Degrading	0.9833
TF3.3	Summer2	AP	Cyanobacteria Biomass	0.0000	7.40E+06	9.43E+06	1.33E+08	1412	Degrading	0.9351
TF3.3	Summer2	AP	Chlorophyte Biomass	0.0000	9.19E+06	3.81E+06	1.65E+08	4348	Improving	0.8883
TF3.3	Summer2	AP	Procaryote Biomass	0.5330	1.15E-03	2.54E-02	2.07E-02	81	No Trend	0.9365
TF3.3	Summer2	AP	Cryptophyte Biomass	0.0251	1.71E+06	1.34E+07	3.07E+07	229	Increasing	0.4658
TF3.3	Summer2	AP	Cyanobacteria Abundance	0.0011	1.35E+06	7.37E+05	2.43E+07	3299	Degrading	0.8917
RET3.1	Summer2	AP	Total Abundance	0.0002	1.51E+06	7.99E+06	2.72E+07	340	Increasing	0.7035
RET3.1	Summer2	AP	Total Biomass	0.0000	4.90E+07	2.54E+08	8.82E+08	348	Increasing	0.1328
RET3.1	Summer2	AP	Biomass to Abundance Ratio	0.6278	0.20	28.32	3.57	13	No Trend	0.4894
RET3.1	Summer2	AP	Margalef Diversity Index	0.6278	0.01	1.89	0.20	10	No Trend	0.6835
RET3.1	Summer2	AP	Diatom Biomass	0.0001	2.54E+07	1.60E+08	4.58E+08	285	Improving	0.9252
RET3.1	Summer2	AP	Dinoflagellate Biomass	0.5178	-1.09E+05	2.15E+07	-1.96E+06	-9	No Trend	0.9003
RET3.1	Summer2	AP	Cyanobacteria Biomass	0.0001	3.65E+06	5.96E+06	6.57E+07	1102	Degrading	0.7816
RET3.1	Summer2	AP	Chlorophyte Biomass	0.0031	1.44E+06	1.49E+06	2.60E+07	1740	Improving	0.4623
RET3.1	Summer2	AP	Procaryote Biomass	0.0079	4.13E-03	2.05E-02	7.43E-02	362	Degrading	0.5418
RET3.1	Summer2	AP	Cryptophyte Biomass	0.0197	1.72E+06	2.65E+07	3.10E+07	117	Increasing	0.2137
RET3.1	Summer2	AP	Cyanobacteria Abundance	0.0004	6.41E+05	1.86E+06	1.15E+07	622	Degrading	0.8432
LE3.6	Summer2	AP	Total Abundance	0.0154	2.49E+05	5.06E+06	4.73E+06	93	Increasing	0.8623
LE3.6	Summer2	AP	Total Biomass	0.0018	3.00E+07	2.77E+08	5.70E+08	206	Increasing	0.9983
LE3.6	Summer2	AP	Biomass to Abundance Ratio	0.1919	1.40	56.72	26.57	47	No Trend	0.8685
LE3.6	Summer2	AP	Margalef Diversity Index	0.9505	0.00	2.54	0.02	1	No Trend	0.6032
LE3.6	Summer2	AP	Diatom Biomass	0.0108	8.49E+06	1.84E+08	1.61E+08	88	Improving	0.6387
LE3.6	Summer2	AP	Dinoflagellate Biomass	0.0137	1.06E+07	7.69E+07	2.00E+08	261	Degrading	0.7547
LE3.6	Summer2	AP	Cyanobacteria Biomass	0.0161	5.39E+04	1.18E+04	1.02E+06	8639	Degrading	0.9619
LE3.6	Summer2	AP	Chlorophyte Biomass	0.2678	0.00	9.34E+04	0.00E+00	0	No Trend	0.2083
LE3.6	Summer2	AP	Procaryote Biomass	0.0382	4.02E-05	5.52E-05	7.64E-04	1385	Degrading	0.9732
LE3.6	Summer2	AP	Cryptophyte Biomass	0.6939	-2.40E+05	3.72E+07	-4.56E+06	-12	No Trend	0.2044
LE3.6	Summer2	AP	Cyanobacteria Abundance	0.0028	2.39E+04	8.33E+03	4.55E+05	5464	Degrading	0.6977

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
CB6.1	Summer2	AP	Total Abundance	0.5208	4.49E+04	3.89E+06	8.53E+05	22	No Trend	0.8133
CB6.1	Summer2	AP	Total Biomass	0.0031	1.73E+07	2.78E+08	3.28E+08	118	Increasing	0.5490
CB6.1	Summer2	AP	Biomass to Abundance Ratio	0.0445	2.42	81.87	45.89	56	Improving	0.6805
CB6.1	Summer2	AP	Margalef Diversity Index	0.1414	0.02	2.57	0.47	18	No Trend	0.6995
CB6.1	Summer2	AP	Diatom Biomass	0.0031	8.02E+06	7.06E+07	1.52E+08	216	Improving	0.7202
CB6.1	Summer2	AP	Dinoflagellate Biomass	0.4943	2.08E+06	4.45E+07	3.95E+07	89	No Trend	0.6817
CB6.1	Summer2	AP	Cyanobacteria Biomass	0.0002	7.40E+04	1.02E+05	1.41E+06	1372	Degrading	0.4444
CB6.1	Summer2	AP	Chlorophyte Biomass	0.0315	2.96E+04	2.80E+05	5.63E+05	201	Improving	0.3584
CB6.1	Summer2	AP	Procaryote Biomass	0.0022	9.40E-05	7.44E-04	1.79E-03	240	Degrading	0.3289
CB6.1	Summer2	AP	Cryptophyte Biomass	0.0653	-9.94E+05	2.77E+07	-1.89E+07	-68	No Trend	0.6011
CB6.1	Summer2	AP	Cyanobacteria Abundance	0.0005	1.44E+04	6.57E+04	2.73E+05	415	Degrading	0.8151
CB6.4	Summer2	AP	Total Abundance	0.2334	1.01E+05	3.13E+06	1.92E+06	61	No Trend	0.7516
CB6.4	Summer2	AP	Total Biomass	0.0130	1.87E+07	1.81E+08	3.56E+08	196	Increasing	0.6893
CB6.4	Summer2	AP	Biomass to Abundance Ratio	0.0339	2.36	60.79	44.91	74	Improving	0.8848
CB6.4	Summer2	AP	Margalef Diversity Index	0.2844	0.02	2.27	0.39	17	No Trend	0.1402
CB6.4	Summer2	AP	Diatom Biomass	0.2032	3.89E+06	7.60E+07	7.38E+07	97	No Trend	0.7867
CB6.4	Summer2	AP	Dinoflagellate Biomass	0.0181	6.74E+06	5.33E+07	1.28E+08	240	Degrading	0.3964
CB6.4	Summer2	AP	Cyanobacteria Biomass	0.0001	5.01E+04	0.00	9.52E+05	N.E.	Degrading	0.5945
CB6.4	Summer2	AP	Chlorophyte Biomass	0.0355	6.66E+04	8.24E+04	1.26E+06	1536	Improving	0.9189
CB6.4	Summer2	AP	Procaryote Biomass	0.0007	1.34E-04	0.00	2.55E-03	N.E.	Degrading	0.6611
CB6.4	Summer2	AP	Cryptophyte Biomass	0.2666	-6.20E+05	3.33E+07	-1.18E+07	-35	No Trend	0.2043
CB6.4	Summer2	AP	Cyanobacteria Abundance	0.0003	1.49E+04	1.32E+04	2.84E+05	2153	Degrading	0.7530
CB7.3E	Summer2	AP	Total Abundance	0.0162	1.58E+05	2.91E+06	3.00E+06	103	Increasing	0.1271
CB7.3E	Summer2	AP	Total Biomass	0.0001	2.02E+07	2.32E+08	3.84E+08	165	Increasing	0.6682
CB7.3E	Summer2	AP	Biomass to Abundance Ratio	0.1018	1.59	76.73	30.17	39	No Trend	0.5370
CB7.3E	Summer2	AP	Margalef Diversity Index	0.6714	0.00	2.56	-0.06	-2	No Trend	0.3906
CB7.3E	Summer2	AP	Diatom Biomass	0.0081	9.41E+06	1.16E+08	1.79E+08	154	Improving	0.2572
CB7.3E	Summer2	AP	Dinoflagellate Biomass	0.0006	5.12E+06	2.54E+07	9.72E+07	383	Degrading	0.6585
CB7.3E	Summer2	AP	Cyanobacteria Biomass	0.0068	2.52E+04	5.07E+04	4.78E+05	942	Degrading	0.9741
CB7.3E	Summer2	AP	Chlorophyte Biomass	0.1256	1.62E+02	9.62E+04	3.09E+03	3	No Trend	0.8140
CB7.3E	Summer2	AP	Procaryote Biomass	0.0125	3.44E-05	1.36E-04	6.54E-04	481	Degrading	0.9802
CB7.3E	Summer2	AP	Cryptophyte Biomass	0.4308	2.74E+05	1.30E+07	5.20E+06	40	No Trend	0.1330
CB7.3E	Summer2	AP	Cyanobacteria Abundance	0.0112	3.64E+03	2.19E+04	6.92E+04	316	Degrading	0.7314
CB7.4	Summer2	AP	Total Abundance	0.0092	2.03E+05	2.27E+06	3.85E+06	170	Increasing	0.3134
CB7.4	Summer2	AP	Total Biomass	0.0015	2.22E+07	1.53E+08	4.21E+08	276	Increasing	0.5713
CB7.4	Summer2	AP	Biomass to Abundance Ratio	0.5051	0.60	73.98	11.42	15	No Trend	0.4869
CB7.4	Summer2	AP	Margalef Diversity Index	0.0375	-0.04	3.33	-0.72	-22	Degrading	0.5180
CB7.4	Summer2	AP	Diatom Biomass	0.0006	1.26E+07	1.12E+08	2.39E+08	214	Improving	0.2510
CB7.4	Summer2	AP	Dinoflagellate Biomass	0.0307	2.05E+06	1.60E+07	3.90E+07	244	Degrading	0.1799
CB7.4	Summer2	AP	Cyanobacteria Biomass	0.0092	1.02E+03	7.91E+03	1.93E+04	244	Degrading	0.0703
CB7.4	Summer2	AP	Chlorophyte Biomass	0.4657	0.00	1.18E+05	0.00E+00	0	No Trend	0.1171
CB7.4	Summer2	AP	Procaryote Biomass	0.0132	7.28E-06	4.56E-05	1.38E-04	303	Degrading	0.1711
CB7.4	Summer2	AP	Cryptophyte Biomass	0.8876	7.16E+04	7.62E+06	1.36E+06	18	No Trend	0.4343
CB7.4	Summer2	AP	Cyanobacteria Abundance	0.0064	3.66E+03	4.11E+03	6.96E+04	1693	Degrading	0.1042

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF5.5	Winter	AP	Total Abundance	0.0424	4.65E+05	3.85E+06	6.98E+06	181	Increasing	0.5756
TF5.5	Winter	AP	Total Biomass	0.0051	3.10E+07	1.48E+08	4.65E+08	315	Increasing	0.9442
TF5.5	Winter	AP	Biomass to Abundance Ratio	0.0033	2.79	35.70	41.92	117	Improving	0.9442
TF5.5	Winter	AP	Margalef Diversity Index	0.5288	-0.01	2.08	-0.19	-9	No Trend	1.0000
TF5.5	Winter	AP	Diatom Biomass	0.0688	1.76E+07	1.25E+08	2.64E+08	211	No Trend	0.6242
TF5.5	Winter	AP	Dinoflagellate Biomass	0.7447	0.00	1.89E+06	0.00E+00	0	No Trend	0.2971
TF5.5	Winter	AP	Cyanobacteria Biomass	0.0004	7.32E+05	1.06E+06	1.10E+07	1038	Degrading	0.7795
TF5.5	Winter	AP	Chlorophyte Biomass	0.0001	7.70E+06	1.16E+06	1.16E+08	9967	Improving	1.0000
TF5.5	Winter	AP	Procaryote Biomass	0.1416	8.44E-04	7.12E-03	1.27E-02	178	No Trend	0.4010
TF5.5	Winter	AP	Cryptophyte Biomass	0.0041	1.88E+06	7.08E+06	2.82E+07	398	Increasing	0.3272
TF5.5	Winter	AP	Cyanobacteria Abundance	0.0026	1.13E+05	6.15E+04	1.69E+06	2745	Degrading	0.7795
RET5.2	Winter	AP	Total Abundance	0.0276	7.89E+05	5.38E+06	1.18E+07	220	Increasing	0.3972
RET5.2	Winter	AP	Total Biomass	0.0007	6.88E+07	1.89E+08	1.03E+09	544	Increasing	0.3500
RET5.2	Winter	AP	Biomass to Abundance Ratio	0.0228	3.98	24.00	59.64	249	Improving	0.7437
RET5.2	Winter	AP	Margalef Diversity Index	0.9415	0.00	1.83	0.03	2	No Trend	0.1415
RET5.2	Winter	AP	Diatom Biomass	0.0020	4.40E+07	1.42E+08	6.60E+08	466	Improving	0.3424
RET5.2	Winter	AP	Dinoflagellate Biomass	0.8999	0.00	8.03E+05	0.00E+00	0	No Trend	0.9590
RET5.2	Winter	AP	Cyanobacteria Biomass	0.2708	3.20E+05	2.82E+06	4.80E+06	171	No Trend	0.2038
RET5.2	Winter	AP	Chlorophyte Biomass	0.0001	1.40E+07	1.75E+06	2.11E+08	12072	Improving	0.3656
RET5.2	Winter	AP	Procaryote Biomass	0.6596	-2.60E-04	2.13E-02	-3.90E-03	-18	No Trend	0.4929
RET5.2	Winter	AP	Cryptophyte Biomass	0.0474	1.98E+06	1.11E+07	2.97E+07	267	Increasing	0.9625
RET5.2	Winter	AP	Cyanobacteria Abundance	0.0780	1.55E+05	1.70E+05	2.33E+06	1373	No Trend	0.2445
LE5.5	Winter	AP	Total Abundance	0.7170	-6.13E+04	1.20E+07	-1.10E+06	-9	No Trend	0.7277
LE5.5	Winter	AP	Total Biomass	0.5213	9.54E+06	3.28E+08	1.72E+08	52	No Trend	0.5392
LE5.5	Winter	AP	Biomass to Abundance Ratio	0.1252	1.74	41.76	31.27	75	No Trend	0.9264
LE5.5	Winter	AP	Margalef Diversity Index	0.7591	-0.01	2.39	-0.12	-5	No Trend	0.6255
LE5.5	Winter	AP	Diatom Biomass	0.6758	7.01E+06	2.65E+08	1.26E+08	48	No Trend	0.6221
LE5.5	Winter	AP	Dinoflagellate Biomass	0.1550	1.98E+06	2.31E+07	3.57E+07	155	No Trend	0.1232
LE5.5	Winter	AP	Cyanobacteria Biomass	0.0609	2.44E+04	2.43E+05	4.40E+05	181	No Trend	0.9910
LE5.5	Winter	AP	Chlorophyte Biomass	0.0171	1.23E+05	5.62E+03	2.22E+06	39485	Improving	0.6949
LE5.5	Winter	AP	Procaryote Biomass	0.1704	2.64E-05	9.55E-04	4.75E-04	50	No Trend	0.3250
LE5.5	Winter	AP	Cryptophyte Biomass	0.0222	6.51E+05	4.81E+06	1.17E+07	244	Increasing	0.7671
LE5.5	Winter	AP	Cyanobacteria Abundance	0.0271	6.11E+03	7.97E+03	1.10E+05	1380	Degrading	0.9985
SBE5	Winter	AP	Total Abundance	0.3366	2.04E+05	2.27E+06	3.06E+06	134	No Trend	0.4916
SBE5	Winter	AP	Total Biomass	0.5643	9.10E+06	6.79E+07	1.37E+08	201	No Trend	0.4683
SBE5	Winter	AP	Biomass to Abundance Ratio	0.2650	1.41	36.57	21.18	58	No Trend	0.8140
SBE5	Winter	AP	Margalef Diversity Index	0.6725	-0.01	2.65	-0.16	-6	No Trend	0.1860
SBE5	Winter	AP	Diatom Biomass	0.4196	8.18E+06	4.44E+07	1.23E+08	276	No Trend	0.6064
SBE5	Winter	AP	Dinoflagellate Biomass	0.6173	4.74E+05	1.64E+07	7.11E+06	43	No Trend	0.2680
SBE5	Winter	AP	Cyanobacteria Biomass	0.0417	1.57E+05	1.39E+05	2.36E+06	1698	Degrading	0.4226
SBE5	Winter	AP	Chlorophyte Biomass	0.0580	7.91E+04	3.96E+05	1.19E+06	299	No Trend	0.2691
SBE5	Winter	AP	Procaryote Biomass	0.1151	3.28E-04	1.66E-03	4.92E-03	297	No Trend	0.6596
SBE5	Winter	AP	Cryptophyte Biomass	0.5643	-1.88E+05	1.22E+07	-2.81E+06	-23	No Trend	0.6798
SBE5	Winter	AP	Cyanobacteria Abundance	0.0285	2.23E+04	5.57E+03	3.34E+05	5998	Degrading	0.9706

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF4.2	Winter	AP	Total Abundance	0.0597	2.08E+05	1.97E+06	3.11E+06	158	No Trend	0.8792
TF4.2	Winter	AP	Total Biomass	0.0709	7.34E+06	4.88E+07	1.10E+08	226	No Trend	0.6932
TF4.2	Winter	AP	Biomass to Abundance Ratio	0.7879	-0.23	32.22	-3.52	-11	No Trend	0.8229
TF4.2	Winter	AP	Margalef Diversity Index	0.4196	-0.01	2.02	-0.20	-10	No Trend	0.6064
TF4.2	Winter	AP	Diatom Biomass	0.2650	3.54E+06	4.16E+07	5.31E+07	128	No Trend	0.9385
TF4.2	Winter	AP	Dinoflagellate Biomass	0.7472	0.00	1.12E+04	0.00E+00	0	No Trend	0.8940
TF4.2	Winter	AP	Cyanobacteria Biomass	0.0006	4.65E+05	4.03E+05	6.98E+06	1730	Degrading	0.5248
TF4.2	Winter	AP	Chlorophyte Biomass	0.0417	3.50E+05	1.22E+06	5.26E+06	430	Improving	0.8921
TF4.2	Winter	AP	Procaryote Biomass	0.0039	2.08E-03	8.52E-03	3.12E-02	366	Degrading	0.5111
TF4.2	Winter	AP	Cryptophyte Biomass	0.0837	1.06E+06	1.20E+07	1.60E+07	133	No Trend	0.6306
TF4.2	Winter	AP	Cyanobacteria Abundance	0.0019	1.06E+05	5.84E+04	1.58E+06	2713	Degrading	0.7711
RET4.3	Winter	AP	Total Abundance	0.2078	2.77E+05	6.17E+06	4.16E+06	67	No Trend	0.9442
RET4.3	Winter	AP	Total Biomass	0.2628	1.51E+07	3.03E+08	2.27E+08	75	No Trend	0.9442
RET4.3	Winter	AP	Biomass to Abundance Ratio	0.1416	1.93	47.56	28.98	61	No Trend	0.4840
RET4.3	Winter	AP	Margalef Diversity Index	0.0802	-0.04	1.81	-0.60	-33	No Trend	0.1616
RET4.3	Winter	AP	Diatom Biomass	0.4414	5.77E+06	2.67E+08	8.65E+07	32	No Trend	0.6745
RET4.3	Winter	AP	Dinoflagellate Biomass	0.5510	1.80E+05	4.47E+06	2.70E+06	60	No Trend	0.6987
RET4.3	Winter	AP	Cyanobacteria Biomass	0.1216	5.83E+04	4.15E+05	8.75E+05	211	No Trend	0.2950
RET4.3	Winter	AP	Chlorophyte Biomass	0.0133	3.59E+05	0.00	5.39E+06	N.E.	Improving	0.3220
RET4.3	Winter	AP	Procaryote Biomass	0.3604	3.60E-05	9.70E-04	5.41E-04	56	No Trend	0.3270
RET4.3	Winter	AP	Cryptophyte Biomass	0.2628	7.77E+05	7.85E+06	1.17E+07	148	No Trend	0.3629
RET4.3	Winter	AP	Cyanobacteria Abundance	0.0128	3.96E+04	1.35E+04	5.93E+05	4382	Degrading	0.4231
WE4.2	Winter	AP	Total Abundance	0.1555	-1.70E+05	1.06E+07	-3.06E+06	-29	No Trend	0.7080
WE4.2	Winter	AP	Total Biomass	0.6637	-3.71E+06	4.74E+08	-6.69E+07	-14	No Trend	0.1155
WE4.2	Winter	AP	Biomass to Abundance Ratio	0.6637	0.35	44.64	6.28	14	No Trend	0.1748
WE4.2	Winter	AP	Margalef Diversity Index	0.4006	-0.01	2.85	-0.21	-7	No Trend	0.9649
WE4.2	Winter	AP	Diatom Biomass	0.5818	-5.37E+06	4.18E+08	-9.66E+07	-23	No Trend	0.1837
WE4.2	Winter	AP	Dinoflagellate Biomass	0.2583	1.19E+06	2.28E+07	2.15E+07	94	No Trend	0.7171
WE4.2	Winter	AP	Cyanobacteria Biomass	0.0046	9.31E+04	5.88E+03	1.67E+06	28481	Degrading	0.9766
WE4.2	Winter	AP	Chlorophyte Biomass	0.5391	3.65E+02	3.73E+05	6.58E+03	2	No Trend	0.2249
WE4.2	Winter	AP	Procaryote Biomass	0.0226	1.20E-04	1.27E-05	2.17E-03	17014	Degrading	0.6032
WE4.2	Winter	AP	Cryptophyte Biomass	0.8166	1.66E+04	1.27E+07	3.00E+05	2	No Trend	0.7099
WE4.2	Winter	AP	Cyanobacteria Abundance	0.0031	1.08E+04	1.92E+02	1.94E+05	100931	Degrading	0.7376

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF3.3	Winter	AP	Total Abundance	0.1062	2.43E+05	6.66E+06	3.64E+06	55	No Trend	0.8892
TF3.3	Winter	AP	Total Biomass	0.0474	1.88E+07	2.33E+08	2.83E+08	121	Increasing	0.6247
TF3.3	Winter	AP	Biomass to Abundance Ratio	0.2708	0.78	34.82	11.71	34	No Trend	0.2612
TF3.3	Winter	AP	Margalef Diversity Index	0.2708	0.02	1.47	0.26	18	No Trend	0.9270
TF3.3	Winter	AP	Diatom Biomass	0.0398	1.43E+07	2.22E+08	2.14E+08	96	Improving	0.5760
TF3.3	Winter	AP	Dinoflagellate Biomass	0.7146	0.00	5.62E+03	0.00E+00	0	No Trend	0.3455
TF3.3	Winter	AP	Cyanobacteria Biomass	0.0332	4.07E+05	1.13E+06	6.10E+06	538	Degrading	0.9141
TF3.3	Winter	AP	Chlorophyte Biomass	0.0154	1.69E+06	6.83E+06	2.53E+07	370	Improving	0.5390
TF3.3	Winter	AP	Procaryote Biomass	0.1630	9.44E-04	1.05E-02	1.42E-02	134	No Trend	0.7102
TF3.3	Winter	AP	Cryptophyte Biomass	0.0474	1.46E+06	4.87E+06	2.19E+07	449	Increasing	0.7325
TF3.3	Winter	AP	Cyanobacteria Abundance	0.0228	1.25E+05	1.74E+05	1.88E+06	1079	Degrading	0.9082
RET3.1	Winter	AP	Total Abundance	0.3398	1.67E+05	7.37E+06	2.51E+06	34	No Trend	0.1279
RET3.1	Winter	AP	Total Biomass	0.1630	1.16E+07	1.70E+08	1.74E+08	103	No Trend	0.2113
RET3.1	Winter	AP	Biomass to Abundance Ratio	0.5087	0.68	26.53	10.13	38	No Trend	0.9093
RET3.1	Winter	AP	Margalef Diversity Index	0.4193	-0.01	1.72	-0.14	-8	No Trend	0.9674
RET3.1	Winter	AP	Diatom Biomass	0.0913	1.17E+07	1.35E+08	1.75E+08	130	No Trend	0.2060
RET3.1	Winter	AP	Dinoflagellate Biomass	0.1095	-2.37E+05	6.09E+06	-3.55E+06	-58	No Trend	0.6976
RET3.1	Winter	AP	Cyanobacteria Biomass	0.7690	4.81E+04	5.73E+06	7.21E+05	13	No Trend	0.3305
RET3.1	Winter	AP	Chlorophyte Biomass	0.0664	5.15E+05	9.00E+05	7.72E+06	858	No Trend	0.5925
RET3.1	Winter	AP	Procaryote Biomass	0.5569	-2.32E-04	6.94E-02	-3.48E-03	-5	No Trend	0.9176
RET3.1	Winter	AP	Cryptophyte Biomass	0.1863	1.55E+06	1.69E+07	2.33E+07	138	No Trend	0.0781
RET3.1	Winter	AP	Cyanobacteria Abundance	0.2401	1.51E+04	6.13E+05	2.26E+05	37	No Trend	0.2440
LE3.6	Winter	AP	Total Abundance	0.3669	-1.43E+05	1.14E+07	-2.58E+06	-23	No Trend	0.9020
LE3.6	Winter	AP	Total Biomass	0.7181	5.85E+06	5.23E+08	1.05E+08	20	No Trend	0.3291
LE3.6	Winter	AP	Biomass to Abundance Ratio	0.1665	2.77	49.28	49.90	101	No Trend	0.5758
LE3.6	Winter	AP	Margalef Diversity Index	0.7636	0.00	2.46	-0.09	-4	No Trend	0.8693
LE3.6	Winter	AP	Diatom Biomass	0.9042	-2.62E+06	4.72E+08	-4.71E+07	-10	No Trend	0.1265
LE3.6	Winter	AP	Dinoflagellate Biomass	0.0408	2.01E+06	1.68E+07	3.62E+07	216	Degrading	0.6003
LE3.6	Winter	AP	Cyanobacteria Biomass	0.0007	8.17E+04	5.15E+02	1.47E+06	285891	Degrading	0.5565
LE3.6	Winter	AP	Chlorophyte Biomass	0.0332	5.10E+04	4.75E+05	9.18E+05	193	Improving	0.9451
LE3.6	Winter	AP	Procaryote Biomass	0.0030	9.45E-05	8.45E-07	1.70E-03	201247	Degrading	0.3378
LE3.6	Winter	AP	Cryptophyte Biomass	0.9520	-2.22E+04	1.18E+07	-4.00E+05	-3	No Trend	0.3916
LE3.6	Winter	AP	Cyanobacteria Abundance	0.0005	1.46E+04	6.40E+01	2.63E+05	411627	Degrading	0.7178

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
CB6.1	Winter	AP	Total Abundance	0.5475	-1.53E+05	6.58E+06	-2.75E+06	-42	No Trend	0.4463
CB6.1	Winter	AP	Total Biomass	0.2789	-1.06E+07	6.13E+08	-1.91E+08	-31	No Trend	0.7759
CB6.1	Winter	AP	Biomass to Abundance Ratio	0.5882	-0.55	93.51	-9.91	-11	No Trend	0.0165
CB6.1	Winter	AP	Margalef Diversity Index	0.3997	0.01	2.33	0.22	10	No Trend	0.5023
CB6.1	Winter	AP	Diatom Biomass	0.4704	-6.30E+06	4.03E+08	-1.13E+08	-28	No Trend	0.1482
CB6.1	Winter	AP	Dinoflagellate Biomass	0.6303	3.48E+05	5.29E+07	6.26E+06	12	No Trend	0.8018
CB6.1	Winter	AP	Cyanobacteria Biomass	0.2244	9.07E+03	6.53E+02	1.63E+05	25009	No Trend	0.8584
CB6.1	Winter	AP	Chlorophyte Biomass	0.4666	4.62E+02	2.46E+05	8.31E+03	3	No Trend	0.2759
CB6.1	Winter	AP	Procaryote Biomass	0.1719	2.55E-05	3.80E-07	4.60E-04	120892	No Trend	0.7874
CB6.1	Winter	AP	Cryptophyte Biomass	0.8098	5.40E+04	9.77E+06	9.72E+05	10	No Trend	0.0449
CB6.1	Winter	AP	Cyanobacteria Abundance	0.3311	9.66E+02	2.56E+02	1.74E+04	6795	No Trend	0.8157
CB6.4	Winter	AP	Total Abundance	0.8453	-2.11E+04	7.05E+06	-3.80E+05	-5	No Trend	0.5517
CB6.4	Winter	AP	Total Biomass	0.4516	9.68E+06	5.67E+08	1.74E+08	31	No Trend	0.3400
CB6.4	Winter	AP	Biomass to Abundance Ratio	0.6758	0.52	52.23	9.40	18	No Trend	0.1653
CB6.4	Winter	AP	Margalef Diversity Index	0.7591	0.00	2.24	0.07	3	No Trend	0.1933
CB6.4	Winter	AP	Diatom Biomass	0.7170	2.31E+06	4.88E+08	4.16E+07	9	No Trend	0.5104
CB6.4	Winter	AP	Dinoflagellate Biomass	0.1550	2.16E+06	6.00E+07	3.89E+07	65	No Trend	0.5177
CB6.4	Winter	AP	Cyanobacteria Biomass	0.0005	5.32E+04	0.00	9.58E+05	N.E.	Degrading	0.9862
CB6.4	Winter	AP	Chlorophyte Biomass	0.0369	0.00	0.00	0.00E+00	N.E.	No Change	0.9980
CB6.4	Winter	AP	Procaryote Biomass	0.0007	7.48E-05	0.00	1.35E-03	N.E.	Degrading	0.9149
CB6.4	Winter	AP	Cryptophyte Biomass	0.0095	8.20E+05	1.21E+07	1.48E+07	122	Increasing	0.0996
CB6.4	Winter	AP	Cyanobacteria Abundance	0.0005	5.48E+03	0.00	9.86E+04	N.E.	Degrading	0.9523
CB7.3E	Winter	AP	Total Abundance	0.9307	-1.90E+04	6.36E+06	-3.42E+05	-5	No Trend	0.5332
CB7.3E	Winter	AP	Total Biomass	0.9769	6.03E+05	3.50E+08	1.09E+07	3	No Trend	0.7939
CB7.3E	Winter	AP	Biomass to Abundance Ratio	0.7063	0.59	35.94	10.58	29	No Trend	0.6366
CB7.3E	Winter	AP	Margalef Diversity Index	0.1555	-0.03	2.42	-0.48	-20	No Trend	0.9818
CB7.3E	Winter	AP	Diatom Biomass	0.6637	2.08E+06	2.77E+08	3.74E+07	13	No Trend	0.7760
CB7.3E	Winter	AP	Dinoflagellate Biomass	0.7063	-3.49E+05	2.68E+07	-6.29E+06	-23	No Trend	0.6366
CB7.3E	Winter	AP	Cyanobacteria Biomass	0.0649	1.17E+04	1.27E+05	2.10E+05	165	No Trend	0.9345
CB7.3E	Winter	AP	Chlorophyte Biomass	0.0797	1.95E+03	1.20E+03	3.51E+04	2929	No Trend	0.7105
CB7.3E	Winter	AP	Procaryote Biomass	0.1351	2.06E-05	3.90E-04	3.70E-04	95	No Trend	0.8664
CB7.3E	Winter	AP	Cryptophyte Biomass	0.1921	4.24E+05	1.24E+07	7.64E+06	62	No Trend	0.9328
CB7.3E	Winter	AP	Cyanobacteria Abundance	0.0259	4.95E+03	4.18E+03	8.90E+04	2130	Degrading	0.6138
CB7.4	Winter	AP	Total Abundance	0.0418	1.41E+05	2.67E+06	2.53E+06	95	Increasing	0.6968
CB7.4	Winter	AP	Total Biomass	0.0068	2.86E+07	2.03E+08	5.15E+08	253	Increasing	0.3572
CB7.4	Winter	AP	Biomass to Abundance Ratio	0.1719	2.11	74.01	38.03	51	No Trend	0.6761
CB7.4	Winter	AP	Margalef Diversity Index	0.0544	-0.04	2.68	-0.68	-25	No Trend	0.8692
CB7.4	Winter	AP	Diatom Biomass	0.0178	2.21E+07	1.74E+08	3.98E+08	228	Improving	0.4106
CB7.4	Winter	AP	Dinoflagellate Biomass	0.5213	4.55E+05	1.69E+07	8.19E+06	49	No Trend	0.7806
CB7.4	Winter	AP	Cyanobacteria Biomass	0.0074	7.84E+03	9.80E+02	1.41E+05	14400	Degrading	0.8405
CB7.4	Winter	AP	Chlorophyte Biomass	0.0086	2.09E+04	5.45E+03	3.75E+05	6886	Improving	0.4022
CB7.4	Winter	AP	Procaryote Biomass	0.0143	1.62E-05	6.04E-06	2.92E-04	4833	Degrading	0.9875
CB7.4	Winter	AP	Cryptophyte Biomass	0.0006	8.12E+05	5.08E+06	1.46E+07	287	Increasing	0.4646
CB7.4	Winter	AP	Cyanobacteria Abundance	0.0056	3.34E+03	1.60E+02	6.02E+04	37615	Degrading	0.2658

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF5.5	Annual	BP	Total Abundance	0.0001	1.02E+06	2.49E+07	1.84E+07	74	Increasing	0.7275
TF5.5	Annual	BP	Total Biomass	0.0000	1.11E+08	6.38E+08	2.01E+09	315	Increasing	0.6988
TF5.5	Annual	BP	Biomass to Abundance Ratio	0.0000	2.30	22.01	41.45	188	Improving	0.6828
TF5.5	Annual	BP	Margalef Diversity Index	0.4051	-0.01	2.14	-0.14	-7	No Trend	0.0109
TF5.5	Annual	BP	Diatom Biomass	0.0000	5.73E+07	4.23E+08	1.03E+09	244	Improving	0.4782
TF5.5	Annual	BP	Dinoflagellate Biomass	0.8052	0.00	1.72E+05	0.00E+00	0	No Trend	0.0514
TF5.5	Annual	BP	Cyanobacteria Biomass	0.0000	7.90E+05	2.25E+07	1.42E+07	63	Degrading	0.5444
TF5.5	Annual	BP	Chlorophyte Biomass	0.0000	2.64E+07	1.64E+07	4.75E+08	2893	Improving	0.8179
TF5.5	Annual	BP	Procaryote Biomass	0.6307	-1.06E-04	3.27E-02	-1.90E-03	-6	No Trend	0.3927
TF5.5	Annual	BP	Cryptophyte Biomass	0.0000	1.73E+06	9.70E+06	3.11E+07	321	Increasing	0.8064
TF5.5	Annual	BP	Cyanobacteria Abundance	0.0000	2.36E+05	5.88E+06	4.25E+06	72	Degrading	0.3650
RET5.2	Annual	BP	Total Abundance	0.0028	5.02E+05	1.20E+07	9.04E+06	75	Increasing	0.9768
RET5.2	Annual	BP	Total Biomass	0.0000	4.77E+07	2.51E+08	8.59E+08	342	Increasing	0.6454
RET5.2	Annual	BP	Biomass to Abundance Ratio	0.0000	1.61	24.46	29.04	119	Improving	0.6198
RET5.2	Annual	BP	Margalef Diversity Index	0.4731	0.00	1.63	-0.09	-5	No Trend	0.1193
RET5.2	Annual	BP	Diatom Biomass	0.0000	3.12E+07	1.78E+08	5.61E+08	316	Improving	0.9902
RET5.2	Annual	BP	Dinoflagellate Biomass	0.8316	0.00	8.72E+05	0.00E+00	0	No Trend	0.3098
RET5.2	Annual	BP	Cyanobacteria Biomass	0.0003	5.98E+05	4.60E+06	1.08E+07	234	Degrading	0.3030
RET5.2	Annual	BP	Chlorophyte Biomass	0.0000	6.50E+06	2.81E+06	1.17E+08	4164	Improving	0.3436
RET5.2	Annual	BP	Procaryote Biomass	0.5823	1.16E-04	1.05E-02	2.09E-03	20	No Trend	0.3760
RET5.2	Annual	BP	Cryptophyte Biomass	0.0000	1.54E+06	1.19E+07	2.77E+07	232	Increasing	0.9689
RET5.2	Annual	BP	Cyanobacteria Abundance	0.0006	9.33E+04	9.10E+05	1.68E+06	185	Degrading	0.5199
LE5.5	Annual	BP	Total Abundance	0.0001	1.76E+05	4.41E+06	3.34E+06	76	Increasing	0.4236
LE5.5	Annual	BP	Total Biomass	0.0000	1.42E+07	2.57E+08	2.71E+08	105	Increasing	0.1121
LE5.5	Annual	BP	Biomass to Abundance Ratio	0.0278	0.95	51.79	18.12	35	Improving	0.0760
LE5.5	Annual	BP	Margalef Diversity Index	0.3894	0.01	2.43	0.13	5	No Trend	0.5793
LE5.5	Annual	BP	Diatom Biomass	0.0001	9.92E+06	2.17E+08	1.88E+08	87	Improving	0.0678
LE5.5	Annual	BP	Dinoflagellate Biomass	0.0000	1.81E+06	1.70E+07	3.43E+07	202	Degrading	0.9717
LE5.5	Annual	BP	Cyanobacteria Biomass	0.0000	4.48E+04	0.00	8.52E+05	N.E.	Degrading	0.9949
LE5.5	Annual	BP	Chlorophyte Biomass	0.0000	2.97E+04	5.51E+03	5.64E+05	10235	Improving	0.5868
LE5.5	Annual	BP	Procaryote Biomass	0.0000	6.94E-05	0.00	1.32E-03	N.E.	Degrading	0.9967
LE5.5	Annual	BP	Cryptophyte Biomass	0.0000	5.67E+05	1.13E+07	1.08E+07	95	Increasing	0.9444
LE5.5	Annual	BP	Cyanobacteria Abundance	0.0000	6.55E+03	3.04E+03	1.24E+05	4094	Degrading	0.9685
SBE5	Annual	BP	Total Abundance	0.0080	1.30E+05	3.04E+06	1.95E+06	64	Increasing	0.9349
SBE5	Annual	BP	Total Biomass	0.0103	5.93E+06	1.05E+08	8.90E+07	85	Increasing	0.4374
SBE5	Annual	BP	Biomass to Abundance Ratio	0.9884	0.00	35.69	-0.03	0	No Trend	0.5926
SBE5	Annual	BP	Margalef Diversity Index	0.0382	-0.02	2.39	-0.31	-13	Degrading	0.1428
SBE5	Annual	BP	Diatom Biomass	0.0308	3.22E+06	6.68E+07	4.83E+07	72	Improving	0.3728
SBE5	Annual	BP	Dinoflagellate Biomass	0.6532	-3.05E+04	9.36E+06	-4.57E+05	-5	No Trend	0.1756
SBE5	Annual	BP	Cyanobacteria Biomass	0.0000	1.13E+05	7.89E+03	1.69E+06	21429	Degrading	0.9874
SBE5	Annual	BP	Chlorophyte Biomass	0.0023	1.13E+05	3.41E+04	1.70E+06	4983	Improving	0.8652
SBE5	Annual	BP	Procaryote Biomass	0.0000	5.44E-04	7.62E-05	8.17E-03	10720	Degrading	0.9308
SBE5	Annual	BP	Cryptophyte Biomass	0.0043	5.23E+05	6.84E+06	7.84E+06	115	Increasing	0.4820
SBE5	Annual	BP	Cyanobacteria Abundance	0.0000	1.98E+04	1.22E+03	2.96E+05	24366	Degrading	0.9734

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF4.2	Annual	BP	Total Abundance	0.0000	3.02E+05	4.08E+06	5.13E+06	126	Increasing	0.9102
TF4.2	Annual	BP	Total Biomass	0.0000	1.34E+07	1.20E+08	2.28E+08	189	Increasing	0.9409
TF4.2	Annual	BP	Biomass to Abundance Ratio	0.4484	0.27	27.24	4.58	17	No Trend	0.6054
TF4.2	Annual	BP	Margalef Diversity Index	0.0282	-0.01	1.78	-0.21	-12	Degrading	0.9885
TF4.2	Annual	BP	Diatom Biomass	0.0009	4.72E+06	1.17E+08	8.03E+07	69	Improving	0.8963
TF4.2	Annual	BP	Dinoflagellate Biomass	0.5016	0.00	1.13E+05	0.00E+00	0	No Trend	0.3473
TF4.2	Annual	BP	Cyanobacteria Biomass	0.0000	2.33E+05	1.02E+06	3.96E+06	390	Degrading	0.5620
TF4.2	Annual	BP	Chlorophyte Biomass	0.0000	1.24E+06	1.53E+06	2.10E+07	1372	Improving	0.5443
TF4.2	Annual	BP	Procaryote Biomass	0.0078	5.03E-04	8.90E-03	8.55E-03	96	Degrading	0.0913
TF4.2	Annual	BP	Cryptophyte Biomass	0.0000	1.36E+06	4.63E+06	2.30E+07	498	Increasing	0.9901
TF4.2	Annual	BP	Cyanobacteria Abundance	0.0000	4.80E+04	1.66E+05	8.16E+05	492	Degrading	0.3566
RET4.3	Annual	BP	Total Abundance	0.0000	7.13E+05	8.11E+06	1.28E+07	158	Increasing	0.9273
RET4.3	Annual	BP	Total Biomass	0.0000	3.22E+07	3.88E+08	5.80E+08	149	Increasing	0.6056
RET4.3	Annual	BP	Biomass to Abundance Ratio	0.0089	0.70	32.02	12.60	39	Improving	0.6064
RET4.3	Annual	BP	Margalef Diversity Index	0.0613	-0.01	1.73	-0.22	-13	No Trend	0.5526
RET4.3	Annual	BP	Diatom Biomass	0.0000	2.53E+07	3.22E+08	4.56E+08	141	Improving	0.3853
RET4.3	Annual	BP	Dinoflagellate Biomass	0.7818	0.00	3.55E+06	0.00E+00	0	No Trend	0.8981
RET4.3	Annual	BP	Cyanobacteria Biomass	0.0000	4.25E+05	1.28E+06	7.65E+06	596	Degrading	0.5193
RET4.3	Annual	BP	Chlorophyte Biomass	0.0000	3.89E+05	3.84E+05	7.00E+06	1823	Improving	0.4208
RET4.3	Annual	BP	Procaryote Biomass	0.0106	3.25E-04	3.93E-03	5.85E-03	149	Degrading	0.2885
RET4.3	Annual	BP	Cryptophyte Biomass	0.0000	1.66E+06	1.20E+07	3.00E+07	250	Increasing	0.9564
RET4.3	Annual	BP	Cyanobacteria Abundance	0.0000	7.27E+04	1.31E+05	1.31E+06	1000	Degrading	0.9923
WE4.2	Annual	BP	Total Abundance	0.0064	1.06E+05	6.60E+06	2.02E+06	31	Increasing	0.5598
WE4.2	Annual	BP	Total Biomass	0.0000	1.74E+07	2.78E+08	3.31E+08	119	Increasing	0.3444
WE4.2	Annual	BP	Biomass to Abundance Ratio	0.0010	1.47	52.82	27.88	53	Improving	0.4509
WE4.2	Annual	BP	Margalef Diversity Index	0.1296	-0.01	2.48	-0.16	-6	No Trend	0.9989
WE4.2	Annual	BP	Diatom Biomass	0.0000	1.35E+07	2.37E+08	2.56E+08	108	Improving	0.4670
WE4.2	Annual	BP	Dinoflagellate Biomass	0.0217	4.83E+05	2.70E+07	9.17E+06	34	Degrading	0.2685
WE4.2	Annual	BP	Cyanobacteria Biomass	0.0000	4.02E+04	0.00	7.64E+05	N.E.	Degrading	0.9714
WE4.2	Annual	BP	Chlorophyte Biomass	0.0000	9.74E+03	0.00	1.85E+05	N.E.	Improving	0.4696
WE4.2	Annual	BP	Procaryote Biomass	0.0000	6.66E-05	0.00	1.27E-03	N.E.	Degrading	0.9557
WE4.2	Annual	BP	Cryptophyte Biomass	0.1269	2.05E+05	1.37E+07	3.90E+06	29	No Trend	0.2106
WE4.2	Annual	BP	Cyanobacteria Abundance	0.0000	5.93E+03	9.60E+01	1.13E+05	117289	Degrading	0.9761

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF3.3	Annual	BP	Total Abundance	0.0000	1.34E+06	4.49E+06	2.41E+07	536	Increasing	0.9787
TF3.3	Annual	BP	Total Biomass	0.0000	5.56E+07	1.16E+08	1.00E+09	865	Increasing	0.7377
TF3.3	Annual	BP	Biomass to Abundance Ratio	0.0000	1.06	25.57	19.16	75	Improving	0.9544
TF3.3	Annual	BP	Margalef Diversity Index	0.0540	0.01	1.68	0.23	14	No Trend	0.9961
TF3.3	Annual	BP	Diatom Biomass	0.0000	3.33E+07	9.04E+07	6.00E+08	664	Improving	0.2423
TF3.3	Annual	BP	Dinoflagellate Biomass	0.3631	0.00	6.07E+05	0.00E+00	0	No Trend	0.8590
TF3.3	Annual	BP	Cyanobacteria Biomass	0.0000	1.40E+06	1.33E+06	2.52E+07	1891	Degrading	0.9689
TF3.3	Annual	BP	Chlorophyte Biomass	0.0000	3.45E+06	8.40E+05	6.20E+07	7384	Improving	0.8855
TF3.3	Annual	BP	Procaryote Biomass	0.3955	2.34E-04	1.42E-02	4.21E-03	30	No Trend	0.7340
TF3.3	Annual	BP	Cryptophyte Biomass	0.0000	1.21E+06	7.55E+06	2.17E+07	288	Increasing	0.5432
TF3.3	Annual	BP	Cyanobacteria Abundance	0.0000	3.34E+05	3.67E+05	6.01E+06	1638	Degrading	0.9880
RET3.1	Annual	BP	Total Abundance	0.0000	1.06E+06	5.42E+06	1.91E+07	352	Increasing	0.8384
RET3.1	Annual	BP	Total Biomass	0.0000	3.92E+07	2.00E+08	7.05E+08	352	Increasing	0.6164
RET3.1	Annual	BP	Biomass to Abundance Ratio	0.0116	0.70	26.46	12.63	48	Improving	0.7864
RET3.1	Annual	BP	Margalef Diversity Index	0.1544	0.01	1.29	0.16	12	No Trend	0.2888
RET3.1	Annual	BP	Diatom Biomass	0.0000	2.58E+07	1.14E+08	4.64E+08	405	Improving	0.4384
RET3.1	Annual	BP	Dinoflagellate Biomass	0.6480	0.00	8.08E+06	0.00E+00	0	No Trend	0.9398
RET3.1	Annual	BP	Cyanobacteria Biomass	0.0000	6.93E+05	7.98E+05	1.25E+07	1564	Degrading	0.6176
RET3.1	Annual	BP	Chlorophyte Biomass	0.0000	8.64E+05	2.48E+04	1.56E+07	62777	Improving	0.8084
RET3.1	Annual	BP	Procaryote Biomass	0.0006	6.82E-04	1.46E-03	1.23E-02	844	Degrading	0.6083
RET3.1	Annual	BP	Cryptophyte Biomass	0.0000	2.17E+06	1.24E+07	3.91E+07	315	Increasing	0.3560
RET3.1	Annual	BP	Cyanobacteria Abundance	0.0000	1.91E+05	1.14E+05	3.44E+06	3008	Degrading	0.9871
LE3.6	Annual	BP	Total Abundance	0.0002	1.46E+05	5.59E+06	2.77E+06	50	Increasing	0.8974
LE3.6	Annual	BP	Total Biomass	0.0001	1.46E+07	3.01E+08	2.77E+08	92	Increasing	0.1500
LE3.6	Annual	BP	Biomass to Abundance Ratio	0.2762	0.50	60.37	9.46	16	No Trend	0.2253
LE3.6	Annual	BP	Margalef Diversity Index	0.4367	-0.01	2.36	-0.10	-4	No Trend	0.8265
LE3.6	Annual	BP	Diatom Biomass	0.0002	1.09E+07	1.73E+08	2.08E+08	120	Improving	0.2086
LE3.6	Annual	BP	Dinoflagellate Biomass	0.0000	1.75E+06	2.75E+07	3.32E+07	121	Degrading	0.1041
LE3.6	Annual	BP	Cyanobacteria Biomass	0.0000	4.10E+04	1.35E+03	7.79E+05	57742	Degrading	0.9654
LE3.6	Annual	BP	Chlorophyte Biomass	0.0000	3.87E+04	3.29E+05	7.36E+05	224	Improving	0.3873
LE3.6	Annual	BP	Procaryote Biomass	0.0000	7.68E-05	6.87E-06	1.46E-03	21230	Degrading	0.9025
LE3.6	Annual	BP	Cryptophyte Biomass	0.0934	2.46E+05	1.61E+07	4.67E+06	29	No Trend	0.9114
LE3.6	Annual	BP	Cyanobacteria Abundance	0.0000	9.38E+03	1.28E+02	1.78E+05	139195	Degrading	0.9947

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
CB6.1	Annual	BP	Total Abundance	0.3804	3.54E+04	3.97E+06	6.72E+05	17	No Trend	0.4026
CB6.1	Annual	BP	Total Biomass	0.1521	3.37E+06	2.33E+08	6.39E+07	27	No Trend	0.8687
CB6.1	Annual	BP	Biomass to Abundance Ratio	0.2717	0.46	57.11	8.69	15	No Trend	0.6443
CB6.1	Annual	BP	Margalef Diversity Index	0.5124	-0.01	2.14	-0.11	-5	No Trend	0.6394
CB6.1	Annual	BP	Diatom Biomass	0.0775	3.20E+06	1.74E+08	6.09E+07	35	No Trend	0.5458
CB6.1	Annual	BP	Dinoflagellate Biomass	0.0110	7.12E+05	1.32E+07	1.35E+07	102	Degrading	0.4492
CB6.1	Annual	BP	Cyanobacteria Biomass	0.0000	3.13E+04	0.00	5.95E+05	N.E.	Degrading	0.9946
CB6.1	Annual	BP	Chlorophyte Biomass	0.0000	1.71E+04	4.95E+04	3.25E+05	657	Improving	0.7187
CB6.1	Annual	BP	Procaryote Biomass	0.0000	7.48E-05	0.00	1.42E-03	N.E.	Degrading	0.9877
CB6.1	Annual	BP	Cryptophyte Biomass	0.6812	7.86E+04	1.10E+07	1.49E+06	14	No Trend	0.5011
CB6.1	Annual	BP	Cyanobacteria Abundance	0.0000	5.54E+03	5.12E+02	1.05E+05	20567	Degrading	0.9860
CB6.4	Annual	BP	Total Abundance	0.0005	1.08E+05	4.34E+06	2.05E+06	47	Increasing	0.1368
CB6.4	Annual	BP	Total Biomass	0.0003	8.90E+06	2.05E+08	1.69E+08	83	Increasing	0.8712
CB6.4	Annual	BP	Biomass to Abundance Ratio	0.0998	0.76	58.46	14.38	25	No Trend	0.7287
CB6.4	Annual	BP	Margalef Diversity Index	0.2160	-0.01	2.31	-0.16	-7	No Trend	0.5391
CB6.4	Annual	BP	Diatom Biomass	0.0012	5.92E+06	1.92E+08	1.12E+08	58	Improving	0.8386
CB6.4	Annual	BP	Dinoflagellate Biomass	0.0065	6.78E+05	1.23E+07	1.29E+07	104	Degrading	0.8055
CB6.4	Annual	BP	Cyanobacteria Biomass	0.0000	1.28E+04	0.00	2.42E+05	N.E.	Degrading	0.9201
CB6.4	Annual	BP	Chlorophyte Biomass	0.0000	2.39E+04	1.87E+05	4.53E+05	243	Improving	0.8682
CB6.4	Annual	BP	Procaryote Biomass	0.0000	2.54E-05	0.00	4.83E-04	N.E.	Degrading	0.9015
CB6.4	Annual	BP	Cryptophyte Biomass	0.0036	3.80E+05	8.71E+06	7.22E+06	83	Increasing	0.8582
CB6.4	Annual	BP	Cyanobacteria Abundance	0.0000	2.84E+03	0.00	5.40E+04	N.E.	Degrading	0.8487
CB7.3E	Annual	BP	Total Abundance	0.0003	1.19E+05	4.24E+06	2.27E+06	53	Increasing	0.0510
CB7.3E	Annual	BP	Total Biomass	0.0000	1.57E+07	2.39E+08	2.99E+08	125	Increasing	0.0815
CB7.3E	Annual	BP	Biomass to Abundance Ratio	0.0836	0.85	61.86	16.19	26	No Trend	0.0560
CB7.3E	Annual	BP	Margalef Diversity Index	0.0038	-0.02	2.78	-0.41	-15	Degrading	0.1001
CB7.3E	Annual	BP	Diatom Biomass	0.0000	1.10E+07	2.03E+08	2.10E+08	103	Improving	0.0399
CB7.3E	Annual	BP	Dinoflagellate Biomass	0.0003	1.05E+06	1.14E+07	2.00E+07	175	Degrading	0.2346
CB7.3E	Annual	BP	Cyanobacteria Biomass	0.0000	2.87E+03	9.80E+02	5.46E+04	5572	Degrading	0.6876
CB7.3E	Annual	BP	Chlorophyte Biomass	0.0006	1.81E+03	4.30E+04	3.44E+04	80	Improving	0.5928
CB7.3E	Annual	BP	Procaryote Biomass	0.0000	7.21E-06	9.12E-07	1.37E-04	15017	Degrading	0.6455
CB7.3E	Annual	BP	Cryptophyte Biomass	0.0293	2.79E+05	1.15E+07	5.31E+06	46	Increasing	0.0200
CB7.3E	Annual	BP	Cyanobacteria Abundance	0.0000	2.79E+03	1.73E+04	5.29E+04	305	Degrading	0.5555
CB7.4	Annual	BP	Total Abundance	0.0000	1.33E+05	2.54E+06	2.53E+06	100	Increasing	0.5223
CB7.4	Annual	BP	Total Biomass	0.0000	1.48E+07	2.14E+08	2.82E+08	132	Increasing	0.7395
CB7.4	Annual	BP	Biomass to Abundance Ratio	0.5588	0.40	77.57	7.67	10	No Trend	0.3184
CB7.4	Annual	BP	Margalef Diversity Index	0.0026	-0.02	2.82	-0.44	-16	Degrading	0.0217
CB7.4	Annual	BP	Diatom Biomass	0.0000	1.29E+07	1.88E+08	2.45E+08	130	Improving	0.5547
CB7.4	Annual	BP	Dinoflagellate Biomass	0.3747	1.56E+05	1.04E+07	2.96E+06	28	No Trend	0.4900
CB7.4	Annual	BP	Cyanobacteria Biomass	0.0000	2.50E+04	7.33E+02	4.74E+05	64698	Degrading	0.9254
CB7.4	Annual	BP	Chlorophyte Biomass	0.0004	1.83E+03	7.81E+04	3.47E+04	44	Improving	0.2760
CB7.4	Annual	BP	Procaryote Biomass	0.0000	3.21E-05	5.20E-06	6.10E-04	11736	Degrading	0.7635
CB7.4	Annual	BP	Cryptophyte Biomass	0.0041	2.85E+05	8.98E+06	5.41E+06	60	Increasing	0.4589
CB7.4	Annual	BP	Cyanobacteria Abundance	0.0000	4.43E+03	6.96E+02	8.41E+04	12080	Degrading	0.9771

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF5.5	Fall	BP	Total Abundance	0.1801	1.35E+06	3.79E+07	2.43E+07	64	No Trend	0.8831
TF5.5	Fall	BP	Total Biomass	0.0010	1.71E+08	7.75E+08	3.08E+09	397	Increasing	0.2668
TF5.5	Fall	BP	Biomass to Abundance Ratio	0.0023	2.06	14.07	37.06	263	Improving	0.5382
TF5.5	Fall	BP	Margalef Diversity Index	0.5105	-0.02	2.32	-0.30	-13	No Trend	0.0678
TF5.5	Fall	BP	Diatom Biomass	0.0027	8.31E+07	4.60E+08	1.49E+09	325	Improving	0.1457
TF5.5	Fall	BP	Dinoflagellate Biomass	0.6405	0.00	1.02E+05	0.00E+00	0	No Trend	0.7899
TF5.5	Fall	BP	Cyanobacteria Biomass	0.1648	1.33E+06	9.44E+07	2.40E+07	25	No Trend	0.9220
TF5.5	Fall	BP	Chlorophyte Biomass	0.0012	2.19E+07	1.28E+07	3.94E+08	3078	Improving	0.3836
TF5.5	Fall	BP	Procaryote Biomass	0.4499	-6.30E-04	1.68E-01	-1.13E-02	-7	No Trend	0.5949
TF5.5	Fall	BP	Cryptophyte Biomass	0.0266	2.14E+06	9.70E+06	3.85E+07	397	Increasing	0.5238
TF5.5	Fall	BP	Cyanobacteria Abundance	0.2324	3.72E+05	1.47E+07	6.70E+06	45	No Trend	0.9096
RET5.2	Fall	BP	Total Abundance	0.3937	1.53E+05	9.97E+06	2.76E+06	28	No Trend	0.9249
RET5.2	Fall	BP	Total Biomass	0.0542	1.87E+07	1.96E+08	3.37E+08	172	No Trend	0.4938
RET5.2	Fall	BP	Biomass to Abundance Ratio	0.0836	0.71	23.06	12.73	55	No Trend	0.4055
RET5.2	Fall	BP	Margalef Diversity Index	0.1801	-0.02	1.50	-0.37	-25	No Trend	0.0153
RET5.2	Fall	BP	Diatom Biomass	0.0079	1.19E+07	1.22E+08	2.14E+08	176	Improving	0.9083
RET5.2	Fall	BP	Dinoflagellate Biomass	0.7240	0.00	1.10E+06	0.00E+00	0	No Trend	0.8477
RET5.2	Fall	BP	Cyanobacteria Biomass	0.5105	2.55E+05	1.12E+07	4.59E+06	41	No Trend	0.9214
RET5.2	Fall	BP	Chlorophyte Biomass	0.0063	1.41E+06	3.54E+06	2.53E+07	715	Improving	0.3471
RET5.2	Fall	BP	Procaryote Biomass	0.6433	-3.52E-04	4.66E-02	-6.34E-03	-14	No Trend	0.9387
RET5.2	Fall	BP	Cryptophyte Biomass	0.0206	1.21E+06	1.10E+07	2.19E+07	198	Increasing	0.9687
RET5.2	Fall	BP	Cyanobacteria Abundance	0.5105	5.90E+04	2.05E+06	1.06E+06	52	No Trend	0.8110
LE5.5	Fall	BP	Total Abundance	0.0108	1.24E+05	1.38E+06	2.35E+06	170	Increasing	0.5517
LE5.5	Fall	BP	Total Biomass	0.0000	1.52E+07	6.31E+07	2.88E+08	456	Increasing	0.5801
LE5.5	Fall	BP	Biomass to Abundance Ratio	0.1305	1.18	44.93	22.35	50	No Trend	0.3451
LE5.5	Fall	BP	Margalef Diversity Index	0.1305	0.02	2.20	0.42	19	No Trend	0.4293
LE5.5	Fall	BP	Diatom Biomass	0.0000	1.45E+07	4.60E+07	2.75E+08	597	Improving	0.7066
LE5.5	Fall	BP	Dinoflagellate Biomass	0.0013	7.48E+05	2.39E+06	1.42E+07	595	Degrading	0.3973
LE5.5	Fall	BP	Cyanobacteria Biomass	0.0001	1.71E+04	0.00	3.24E+05	N.E.	Degrading	0.8371
LE5.5	Fall	BP	Chlorophyte Biomass	0.4698	0.00	2.40E+03	0.00E+00	0	No Trend	0.9843
LE5.5	Fall	BP	Procaryote Biomass	0.0006	4.41E-05	0.00	8.38E-04	N.E.	Degrading	0.7541
LE5.5	Fall	BP	Cryptophyte Biomass	0.0075	7.38E+05	8.43E+06	1.40E+07	166	Increasing	0.2512
LE5.5	Fall	BP	Cyanobacteria Abundance	0.0031	4.55E+03	1.66E+03	8.64E+04	5198	Degrading	0.6778
SBE5	Fall	BP	Total Abundance	0.2414	5.80E+04	2.07E+06	8.70E+05	42	No Trend	0.8438
SBE5	Fall	BP	Total Biomass	0.1034	3.43E+06	6.42E+07	5.14E+07	80	No Trend	0.6188
SBE5	Fall	BP	Biomass to Abundance Ratio	0.7533	0.33	29.36	4.94	17	No Trend	0.7429
SBE5	Fall	BP	Margalef Diversity Index	0.8864	0.00	2.20	-0.05	-2	No Trend	0.5759
SBE5	Fall	BP	Diatom Biomass	0.0719	2.59E+06	3.63E+07	3.89E+07	107	No Trend	0.4101
SBE5	Fall	BP	Dinoflagellate Biomass	0.8415	6.12E+03	6.06E+06	9.17E+04	2	No Trend	0.9126
SBE5	Fall	BP	Cyanobacteria Biomass	0.0001	8.06E+04	7.44E+02	1.21E+06	162547	Degrading	0.8103
SBE5	Fall	BP	Chlorophyte Biomass	0.1246	3.12E+04	3.53E+03	4.68E+05	13258	No Trend	0.6052
SBE5	Fall	BP	Procaryote Biomass	0.0014	6.64E-04	8.87E-06	9.96E-03	112279	Degrading	0.8635
SBE5	Fall	BP	Cryptophyte Biomass	0.0919	4.70E+05	5.76E+06	7.04E+06	122	No Trend	0.3670
SBE5	Fall	BP	Cyanobacteria Abundance	0.0031	1.07E+04	1.60E+02	1.61E+05	100759	Degrading	0.5102

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF4.2	Fall	BP	Total Abundance	0.0329	1.84E+05	4.14E+06	3.12E+06	75	Increasing	0.7788
TF4.2	Fall	BP	Total Biomass	0.0011	7.82E+06	7.65E+07	1.33E+08	174	Increasing	0.8870
TF4.2	Fall	BP	Biomass to Abundance Ratio	0.1219	1.04	20.56	17.73	86	No Trend	0.3142
TF4.2	Fall	BP	Margalef Diversity Index	0.6696	0.00	1.67	-0.08	-5	No Trend	0.5598
TF4.2	Fall	BP	Diatom Biomass	0.1096	2.85E+06	5.38E+07	4.84E+07	90	No Trend	0.6815
TF4.2	Fall	BP	Dinoflagellate Biomass	0.2927	0.00	9.43E+04	0.00E+00	0	No Trend	0.5326
TF4.2	Fall	BP	Cyanobacteria Biomass	0.0512	1.96E+05	1.41E+06	3.34E+06	237	No Trend	0.9811
TF4.2	Fall	BP	Chlorophyte Biomass	0.0001	8.13E+05	3.62E+05	1.38E+07	3821	Improving	0.2838
TF4.2	Fall	BP	Procaryote Biomass	0.4078	3.95E-04	1.19E-02	6.72E-03	56	No Trend	0.8303
TF4.2	Fall	BP	Cryptophyte Biomass	0.0004	1.33E+06	3.27E+06	2.26E+07	693	Increasing	0.7614
TF4.2	Fall	BP	Cyanobacteria Abundance	0.1151	2.26E+04	9.50E+04	3.84E+05	404	No Trend	0.9190
RET4.3	Fall	BP	Total Abundance	0.0003	4.77E+05	3.14E+06	8.59E+06	273	Increasing	0.4561
RET4.3	Fall	BP	Total Biomass	0.0000	3.02E+07	4.99E+07	5.43E+08	1088	Increasing	0.5150
RET4.3	Fall	BP	Biomass to Abundance Ratio	0.0121	1.13	25.48	20.37	80	Improving	0.6117
RET4.3	Fall	BP	Margalef Diversity Index	0.9806	0.00	1.76	0.02	1	No Trend	0.1059
RET4.3	Fall	BP	Diatom Biomass	0.0000	2.34E+07	3.44E+07	4.21E+08	1227	Improving	0.5675
RET4.3	Fall	BP	Dinoflagellate Biomass	0.4316	4.14E+04	1.70E+06	7.45E+05	44	No Trend	0.2878
RET4.3	Fall	BP	Cyanobacteria Biomass	0.0206	2.14E+05	2.07E+06	3.84E+06	186	Degrading	0.3822
RET4.3	Fall	BP	Chlorophyte Biomass	0.0080	1.56E+05	7.80E+05	2.81E+06	360	Improving	0.9320
RET4.3	Fall	BP	Procaryote Biomass	0.9030	-7.32E-05	2.86E-02	-1.32E-03	-5	No Trend	0.3612
RET4.3	Fall	BP	Cryptophyte Biomass	0.0301	1.75E+06	1.59E+07	3.14E+07	197	Increasing	0.5951
RET4.3	Fall	BP	Cyanobacteria Abundance	0.0032	3.71E+04	3.79E+05	6.67E+05	176	Degrading	0.7296
WE4.2	Fall	BP	Total Abundance	0.0182	1.11E+05	2.98E+06	2.10E+06	71	Increasing	0.9648
WE4.2	Fall	BP	Total Biomass	0.0204	1.01E+07	1.32E+08	1.92E+08	146	Increasing	0.1928
WE4.2	Fall	BP	Biomass to Abundance Ratio	0.4567	0.62	48.27	11.87	25	No Trend	0.1479
WE4.2	Fall	BP	Margalef Diversity Index	0.5374	-0.01	2.37	-0.13	-5	No Trend	0.8341
WE4.2	Fall	BP	Diatom Biomass	0.0002	1.38E+07	3.69E+07	2.63E+08	712	Improving	0.7837
WE4.2	Fall	BP	Dinoflagellate Biomass	0.5950	9.15E+04	1.64E+07	1.74E+06	11	No Trend	0.2031
WE4.2	Fall	BP	Cyanobacteria Biomass	0.0007	2.53E+03	1.29E+02	4.80E+04	37352	Degrading	0.6588
WE4.2	Fall	BP	Chlorophyte Biomass	0.6190	0.00	6.81E+04	0.00E+00	0	No Trend	0.4444
WE4.2	Fall	BP	Procaryote Biomass	0.0007	3.19E-05	1.71E-06	6.07E-04	35437	Degrading	0.6044
WE4.2	Fall	BP	Cryptophyte Biomass	0.1205	-3.56E+05	1.85E+07	-6.76E+06	-37	No Trend	0.6880
WE4.2	Fall	BP	Cyanobacteria Abundance	0.0005	2.24E+03	8.00E+01	4.26E+04	53200	Degrading	0.4349

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF3.3	Fall	BP	Total Abundance	0.0000	1.48E+06	3.85E+06	2.66E+07	692	Increasing	0.6062
TF3.3	Fall	BP	Total Biomass	0.0000	4.37E+07	6.32E+07	7.86E+08	1244	Increasing	0.8146
TF3.3	Fall	BP	Biomass to Abundance Ratio	0.0181	1.01	21.06	18.24	87	Improving	0.3681
TF3.3	Fall	BP	Margalef Diversity Index	0.1505	0.03	1.51	0.47	31	No Trend	0.5840
TF3.3	Fall	BP	Diatom Biomass	0.0000	3.16E+07	2.57E+07	5.70E+08	2221	Improving	0.4393
TF3.3	Fall	BP	Dinoflagellate Biomass	0.5053	2.01E+04	1.19E+06	3.62E+05	30	No Trend	0.9329
TF3.3	Fall	BP	Cyanobacteria Biomass	0.0000	1.70E+06	9.00E+05	3.06E+07	3404	Degrading	0.5733
TF3.3	Fall	BP	Chlorophyte Biomass	0.0001	2.15E+06	1.48E+06	3.86E+07	2609	Improving	0.4529
TF3.3	Fall	BP	Procaryote Biomass	0.6088	2.11E-04	1.97E-02	3.79E-03	19	No Trend	0.3713
TF3.3	Fall	BP	Cryptophyte Biomass	0.2728	4.95E+05	2.79E+07	8.90E+06	32	No Trend	0.6817
TF3.3	Fall	BP	Cyanobacteria Abundance	0.0000	4.50E+05	6.27E+05	8.09E+06	1291	Degrading	0.5449
RET3.1	Fall	BP	Total Abundance	0.0005	8.37E+05	5.42E+06	1.51E+07	278	Increasing	0.2562
RET3.1	Fall	BP	Total Biomass	0.0003	2.96E+07	1.30E+08	5.33E+08	410	Increasing	0.8436
RET3.1	Fall	BP	Biomass to Abundance Ratio	0.3177	0.64	26.74	11.43	43	No Trend	0.7421
RET3.1	Fall	BP	Margalef Diversity Index	0.1801	0.02	1.28	0.27	21	No Trend	0.4998
RET3.1	Fall	BP	Diatom Biomass	0.0002	2.37E+07	6.25E+07	4.26E+08	682	Improving	0.4812
RET3.1	Fall	BP	Dinoflagellate Biomass	0.6433	-3.15E+04	6.76E+06	-5.67E+05	-8	No Trend	0.7068
RET3.1	Fall	BP	Cyanobacteria Biomass	0.0006	5.65E+05	7.65E+05	1.02E+07	1331	Degrading	0.5826
RET3.1	Fall	BP	Chlorophyte Biomass	0.0012	5.50E+05	1.25E+06	9.90E+06	793	Improving	0.1010
RET3.1	Fall	BP	Procaryote Biomass	0.0484	8.24E-04	1.72E-03	1.48E-02	860	Degrading	0.8066
RET3.1	Fall	BP	Cryptophyte Biomass	0.0752	1.42E+06	1.85E+07	2.56E+07	138	No Trend	0.2104
RET3.1	Fall	BP	Cyanobacteria Abundance	0.0001	1.50E+05	1.39E+05	2.70E+06	1944	Degrading	0.9164
LE3.6	Fall	BP	Total Abundance	0.0353	1.66E+05	3.94E+06	3.16E+06	80	Increasing	0.8581
LE3.6	Fall	BP	Total Biomass	0.0128	1.48E+07	1.12E+08	2.82E+08	253	Increasing	0.2808
LE3.6	Fall	BP	Biomass to Abundance Ratio	0.0530	1.35	39.67	25.57	64	No Trend	0.0500
LE3.6	Fall	BP	Margalef Diversity Index	0.5658	-0.01	2.33	-0.19	-8	No Trend	0.2655
LE3.6	Fall	BP	Diatom Biomass	0.0004	1.63E+07	6.21E+07	3.09E+08	498	Improving	0.6897
LE3.6	Fall	BP	Dinoflagellate Biomass	0.6552	2.58E+05	1.66E+07	4.90E+06	30	No Trend	0.2563
LE3.6	Fall	BP	Cyanobacteria Biomass	0.0004	2.36E+04	8.96E+03	4.49E+05	5012	Degrading	0.6536
LE3.6	Fall	BP	Chlorophyte Biomass	0.0030	1.84E+04	0.00	3.49E+05	N.E.	Improving	0.5240
LE3.6	Fall	BP	Procaryote Biomass	0.0011	4.49E-05	3.90E-05	8.53E-04	2187	Degrading	0.3101
LE3.6	Fall	BP	Cryptophyte Biomass	0.2974	2.91E+05	1.61E+07	5.52E+06	34	No Trend	0.8431
LE3.6	Fall	BP	Cyanobacteria Abundance	0.0004	6.28E+03	2.56E+02	1.19E+05	46604	Degrading	0.9880

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
CB6.1	Fall	BP	Total Abundance	0.1269	1.11E+05	9.99E+05	2.10E+06	210	No Trend	0.7950
CB6.1	Fall	BP	Total Biomass	0.0890	7.23E+06	3.20E+07	1.37E+08	430	No Trend	0.6429
CB6.1	Fall	BP	Biomass to Abundance Ratio	0.1629	1.23	30.72	23.39	76	No Trend	0.8579
CB6.1	Fall	BP	Margalef Diversity Index	0.8959	0.00	1.81	0.08	4	No Trend	0.2370
CB6.1	Fall	BP	Diatom Biomass	0.0208	8.46E+06	2.34E+07	1.61E+08	689	Improving	0.8450
CB6.1	Fall	BP	Dinoflagellate Biomass	0.2756	3.14E+05	2.13E+06	5.96E+06	279	No Trend	0.4327
CB6.1	Fall	BP	Cyanobacteria Biomass	0.0007	2.59E+04	0.00	4.91E+05	N.E.	Degrading	0.7159
CB6.1	Fall	BP	Chlorophyte Biomass	0.0045	2.32E+04	0.00	4.41E+05	N.E.	Improving	0.6968
CB6.1	Fall	BP	Procaryote Biomass	0.0018	2.57E-05	0.00	4.88E-04	N.E.	Degrading	0.9073
CB6.1	Fall	BP	Cryptophyte Biomass	0.4853	1.97E+05	4.53E+06	3.74E+06	83	No Trend	0.6679
CB6.1	Fall	BP	Cyanobacteria Abundance	0.0065	5.28E+03	2.18E+04	1.00E+05	461	Degrading	0.6468
CB6.4	Fall	BP	Total Abundance	0.0001	1.33E+05	1.61E+06	2.54E+06	158	Increasing	0.8983
CB6.4	Fall	BP	Total Biomass	0.0039	8.11E+06	7.06E+07	1.54E+08	218	Increasing	0.4393
CB6.4	Fall	BP	Biomass to Abundance Ratio	0.6108	0.18	36.42	3.38	9	No Trend	0.3778
CB6.4	Fall	BP	Margalef Diversity Index	0.0339	-0.04	2.49	-0.73	-29	Degrading	0.3194
CB6.4	Fall	BP	Diatom Biomass	0.0017	7.32E+06	3.47E+07	1.39E+08	401	Improving	0.9721
CB6.4	Fall	BP	Dinoflagellate Biomass	0.5814	8.95E+04	3.86E+06	1.70E+06	44	No Trend	0.4528
CB6.4	Fall	BP	Cyanobacteria Biomass	0.0003	0.00	0.00	0.00E+00	N.E.	No Change	0.7206
CB6.4	Fall	BP	Chlorophyte Biomass	0.0727	2.26E+02	1.17E+05	4.30E+03	4	No Trend	0.3335
CB6.4	Fall	BP	Procaryote Biomass	0.0002	0.00	0.00	0.00E+00	N.E.	No Change	0.5738
CB6.4	Fall	BP	Cryptophyte Biomass	0.0305	5.09E+05	6.01E+06	9.67E+06	161	Increasing	0.5455
CB6.4	Fall	BP	Cyanobacteria Abundance	0.0034	0.00	0.00	0.00E+00	N.E.	No Change	0.2933
CB7.3E	Fall	BP	Total Abundance	0.0007	1.58E+05	1.62E+06	2.99E+06	184	Increasing	0.5028
CB7.3E	Fall	BP	Total Biomass	0.0015	1.85E+07	9.44E+07	3.51E+08	372	Increasing	0.1927
CB7.3E	Fall	BP	Biomass to Abundance Ratio	0.0134	2.27	49.90	43.16	86	Improving	0.0552
CB7.3E	Fall	BP	Margalef Diversity Index	0.0510	-0.03	2.87	-0.65	-23	No Trend	0.1455
CB7.3E	Fall	BP	Diatom Biomass	0.0000	2.17E+07	6.07E+07	4.13E+08	680	Improving	0.6884
CB7.3E	Fall	BP	Dinoflagellate Biomass	0.8623	-5.27E+04	5.30E+06	-1.00E+06	-19	No Trend	0.2863
CB7.3E	Fall	BP	Cyanobacteria Biomass	0.0007	2.45E+02	0.00	4.66E+03	N.E.	Degrading	0.1630
CB7.3E	Fall	BP	Chlorophyte Biomass	0.0052	4.62E+04	0.00	8.77E+05	N.E.	Improving	0.5498
CB7.3E	Fall	BP	Procaryote Biomass	0.0007	1.00E-06	0.00	1.91E-05	N.E.	Degrading	0.1344
CB7.3E	Fall	BP	Cryptophyte Biomass	0.6028	1.77E+05	1.36E+07	3.36E+06	25	No Trend	0.0063
CB7.3E	Fall	BP	Cyanobacteria Abundance	0.0355	3.73E+01	6.85E+03	7.09E+02	10	Degrading	0.1390
CB7.4	Fall	BP	Total Abundance	0.0023	1.51E+05	1.97E+06	2.87E+06	145	Increasing	0.8624
CB7.4	Fall	BP	Total Biomass	0.0305	1.42E+07	1.58E+08	2.71E+08	171	Increasing	0.3641
CB7.4	Fall	BP	Biomass to Abundance Ratio	1.0000	-0.01	70.86	-0.16	0	No Trend	0.0823
CB7.4	Fall	BP	Margalef Diversity Index	0.7027	-0.01	2.47	-0.18	-7	No Trend	0.2308
CB7.4	Fall	BP	Diatom Biomass	0.0009	1.46E+07	1.30E+08	2.77E+08	214	Improving	0.5976
CB7.4	Fall	BP	Dinoflagellate Biomass	0.3507	-5.58E+05	6.98E+06	-1.06E+07	-152	No Trend	0.3774
CB7.4	Fall	BP	Cyanobacteria Biomass	0.0000	3.62E+04	0.00	6.88E+05	N.E.	Degrading	0.7930
CB7.4	Fall	BP	Chlorophyte Biomass	0.0238	0.00	0.00	0.00E+00	N.E.	No Change	0.9374
CB7.4	Fall	BP	Procaryote Biomass	0.0000	1.04E-04	0.00	1.98E-03	N.E.	Degrading	0.5225
CB7.4	Fall	BP	Cryptophyte Biomass	0.7665	9.62E+04	1.02E+07	1.83E+06	18	No Trend	0.2050
CB7.4	Fall	BP	Cyanobacteria Abundance	0.0000	4.48E+03	6.48E+02	8.51E+04	13136	Degrading	0.9742

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF5.5	Spring1	BP	Total Abundance	0.0516	7.13E+05	1.91E+07	1.28E+07	67	No Trend	0.2194
TF5.5	Spring1	BP	Total Biomass	0.0007	7.87E+07	3.61E+08	1.42E+09	392	Increasing	0.4626
TF5.5	Spring1	BP	Biomass to Abundance Ratio	0.0001	2.39	24.03	43.06	179	Improving	0.9210
TF5.5	Spring1	BP	Margalef Diversity Index	0.1552	0.02	1.70	0.42	25	No Trend	0.1826
TF5.5	Spring1	BP	Diatom Biomass	0.0081	4.27E+07	3.28E+08	7.69E+08	234	Improving	0.3472
TF5.5	Spring1	BP	Dinoflagellate Biomass	0.9084	0.00	0.00	0.00	N.E.	No Trend	0.1871
TF5.5	Spring1	BP	Cyanobacteria Biomass	0.0015	6.21E+05	2.53E+06	1.12E+07	441	Degrading	0.1901
TF5.5	Spring1	BP	Chlorophyte Biomass	0.0000	2.04E+07	2.89E+06	3.68E+08	12718	Improving	0.7813
TF5.5	Spring1	BP	Procaryote Biomass	0.2839	4.38E-04	1.09E-02	7.89E-03	72	No Trend	0.8402
TF5.5	Spring1	BP	Cryptophyte Biomass	0.0135	1.19E+06	1.97E+07	2.15E+07	109	Increasing	0.6234
TF5.5	Spring1	BP	Cyanobacteria Abundance	0.0003	1.69E+05	4.21E+05	3.04E+06	723	Degrading	0.2666
RET5.2	Spring1	BP	Total Abundance	0.2692	3.91E+05	1.16E+07	7.04E+06	61	No Trend	0.8763
RET5.2	Spring1	BP	Total Biomass	0.0000	7.91E+07	3.03E+08	1.42E+09	470	Increasing	0.7539
RET5.2	Spring1	BP	Biomass to Abundance Ratio	0.0009	3.15	27.36	56.78	208	Improving	0.8338
RET5.2	Spring1	BP	Margalef Diversity Index	0.4614	0.01	1.31	0.16	12	No Trend	0.5906
RET5.2	Spring1	BP	Diatom Biomass	0.0001	4.57E+07	2.66E+08	8.23E+08	309	Improving	0.9851
RET5.2	Spring1	BP	Dinoflagellate Biomass	0.1523	0.00	0.00	0.00	N.E.	No Trend	0.3399
RET5.2	Spring1	BP	Cyanobacteria Biomass	0.0003	7.96E+05	5.71E+05	1.43E+07	2510	Degrading	0.1921
RET5.2	Spring1	BP	Chlorophyte Biomass	0.0000	1.34E+07	5.17E+05	2.41E+08	46689	Improving	0.9035
RET5.2	Spring1	BP	Procaryote Biomass	0.0726	3.30E-04	1.18E-03	5.93E-03	503	No Trend	0.2440
RET5.2	Spring1	BP	Cryptophyte Biomass	0.0003	1.93E+06	5.58E+06	3.47E+07	623	Increasing	0.7019
RET5.2	Spring1	BP	Cyanobacteria Abundance	0.0007	8.12E+04	2.19E+05	1.46E+06	666	Degrading	0.4919
LE5.5	Spring1	BP	Total Abundance	0.1313	1.68E+05	7.81E+06	3.03E+06	39	No Trend	0.7210
LE5.5	Spring1	BP	Total Biomass	0.5260	7.09E+06	7.30E+08	1.28E+08	17	No Trend	0.5955
LE5.5	Spring1	BP	Biomass to Abundance Ratio	0.2291	-1.12	76.34	-20.14	-26	No Trend	0.5495
LE5.5	Spring1	BP	Margalef Diversity Index	0.2464	-0.02	2.72	-0.33	-12	No Trend	0.9424
LE5.5	Spring1	BP	Diatom Biomass	0.9129	7.51E+05	6.65E+08	1.35E+07	2	No Trend	0.4984
LE5.5	Spring1	BP	Dinoflagellate Biomass	0.0007	4.03E+06	2.81E+07	7.26E+07	259	Degrading	0.7934
LE5.5	Spring1	BP	Cyanobacteria Biomass	0.0014	1.18E+05	6.44E+04	2.12E+06	3292	Degrading	0.9008
LE5.5	Spring1	BP	Chlorophyte Biomass	0.0489	9.87E+04	5.79E+05	1.78E+06	307	Improving	0.0969
LE5.5	Spring1	BP	Procaryote Biomass	0.0264	1.37E-04	1.29E-05	2.47E-03	19223	Degrading	0.9998
LE5.5	Spring1	BP	Cryptophyte Biomass	0.0516	6.40E+05	1.72E+07	1.15E+07	67	No Trend	0.8071
LE5.5	Spring1	BP	Cyanobacteria Abundance	0.0009	1.42E+04	1.50E+03	2.56E+05	16997	Degrading	0.6624
SBE5	Spring1	BP	Total Abundance	0.2904	9.41E+04	3.47E+06	1.41E+06	41	No Trend	0.2316
SBE5	Spring1	BP	Total Biomass	0.7533	-3.03E+06	1.71E+08	-4.55E+07	-27	No Trend	0.4828
SBE5	Spring1	BP	Biomass to Abundance Ratio	0.0919	-1.45	42.83	-21.77	-51	No Trend	0.8862
SBE5	Spring1	BP	Margalef Diversity Index	0.0004	-0.07	2.84	-1.04	-37	Degrading	0.5538
SBE5	Spring1	BP	Diatom Biomass	0.5485	-2.13E+06	9.33E+07	-3.20E+07	-34	No Trend	0.3057
SBE5	Spring1	BP	Dinoflagellate Biomass	0.0719	-1.21E+06	2.62E+07	-1.81E+07	-69	No Trend	0.7676
SBE5	Spring1	BP	Cyanobacteria Biomass	0.0010	1.57E+05	1.42E+05	2.35E+06	1662	Degrading	0.7817
SBE5	Spring1	BP	Chlorophyte Biomass	0.2648	1.16E+05	1.40E+06	1.74E+06	124	No Trend	0.3764
SBE5	Spring1	BP	Procaryote Biomass	0.0109	9.47E-04	9.10E-04	1.42E-02	1560	Degrading	0.4530
SBE5	Spring1	BP	Cryptophyte Biomass	0.0152	1.30E+06	1.10E+07	1.95E+07	177	Increasing	0.9216
SBE5	Spring1	BP	Cyanobacteria Abundance	0.0002	2.69E+04	6.43E+03	4.03E+05	6261	Degrading	0.7328

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF4.2	Spring1	BP	Total Abundance	0.0010	2.97E+05	2.01E+06	5.05E+06	251	Increasing	0.9316
TF4.2	Spring1	BP	Total Biomass	0.0420	9.96E+06	8.42E+07	1.69E+08	201	Increasing	0.9001
TF4.2	Spring1	BP	Biomass to Abundance Ratio	0.5981	-0.54	42.30	-9.17	-22	No Trend	0.7497
TF4.2	Spring1	BP	Margalef Diversity Index	0.1138	-0.01	1.74	-0.23	-13	No Trend	0.6758
TF4.2	Spring1	BP	Diatom Biomass	0.0669	5.41E+06	6.75E+07	9.19E+07	136	No Trend	0.9729
TF4.2	Spring1	BP	Dinoflagellate Biomass	0.6941	0.00	5.41E+04	0.00E+00	0	No Trend	0.6628
TF4.2	Spring1	BP	Cyanobacteria Biomass	0.0000	2.95E+05	1.25E+05	5.02E+06	4011	Degrading	0.4072
TF4.2	Spring1	BP	Chlorophyte Biomass	0.0001	9.37E+05	4.38E+05	1.59E+07	3640	Improving	0.3223
TF4.2	Spring1	BP	Procaryote Biomass	0.0005	1.00E-03	2.73E-03	1.71E-02	626	Degrading	0.1532
TF4.2	Spring1	BP	Cryptophyte Biomass	0.0002	1.62E+06	7.12E+06	2.75E+07	387	Increasing	0.9196
TF4.2	Spring1	BP	Cyanobacteria Abundance	0.0000	5.32E+04	1.15E+04	9.05E+05	7850	Degrading	0.9033
RET4.3	Spring1	BP	Total Abundance	0.0005	7.35E+05	9.60E+06	1.32E+07	138	Increasing	0.3905
RET4.3	Spring1	BP	Total Biomass	0.0030	4.38E+07	4.48E+08	7.89E+08	176	Increasing	0.2312
RET4.3	Spring1	BP	Biomass to Abundance Ratio	0.2811	0.71	56.70	12.75	22	No Trend	0.2419
RET4.3	Spring1	BP	Margalef Diversity Index	0.2811	-0.01	1.70	-0.13	-8	No Trend	0.8398
RET4.3	Spring1	BP	Diatom Biomass	0.0006	3.34E+07	3.54E+08	6.02E+08	170	Improving	0.3573
RET4.3	Spring1	BP	Dinoflagellate Biomass	0.3925	-7.74E+04	3.69E+07	-1.39E+06	-4	No Trend	0.6957
RET4.3	Spring1	BP	Cyanobacteria Biomass	0.0001	6.04E+05	9.32E+05	1.09E+07	1168	Degrading	0.7886
RET4.3	Spring1	BP	Chlorophyte Biomass	0.0000	1.11E+06	5.10E+05	1.99E+07	3906	Improving	0.2779
RET4.3	Spring1	BP	Procaryote Biomass	0.0043	5.38E-04	3.35E-03	9.68E-03	289	Degrading	0.7394
RET4.3	Spring1	BP	Cryptophyte Biomass	0.0005	2.43E+06	1.59E+07	4.37E+07	275	Increasing	0.9797
RET4.3	Spring1	BP	Cyanobacteria Abundance	0.0001	8.04E+04	6.36E+04	1.45E+06	2277	Degrading	0.8635
WE4.2	Spring1	BP	Total Abundance	0.6534	5.58E+04	7.92E+06	1.00E+06	13	No Trend	0.9289
WE4.2	Spring1	BP	Total Biomass	0.3016	1.09E+07	6.42E+08	1.97E+08	31	No Trend	0.8317
WE4.2	Spring1	BP	Biomass to Abundance Ratio	0.5900	0.87	69.70	15.70	23	No Trend	0.9751
WE4.2	Spring1	BP	Margalef Diversity Index	0.3016	-0.01	2.49	-0.23	-9	No Trend	0.9746
WE4.2	Spring1	BP	Diatom Biomass	0.5005	3.21E+06	5.88E+08	5.79E+07	10	No Trend	0.8327
WE4.2	Spring1	BP	Dinoflagellate Biomass	0.0799	3.07E+06	3.74E+07	5.52E+07	148	No Trend	0.6754
WE4.2	Spring1	BP	Cyanobacteria Biomass	0.0106	9.05E+04	1.19E+04	1.63E+06	13682	Degrading	0.9571
WE4.2	Spring1	BP	Chlorophyte Biomass	0.0294	7.02E+04	1.51E+05	1.26E+06	838	Improving	0.2195
WE4.2	Spring1	BP	Procaryote Biomass	0.0646	8.12E-05	1.25E-05	1.46E-03	11734	No Trend	0.9323
WE4.2	Spring1	BP	Cryptophyte Biomass	0.0456	7.63E+05	1.28E+07	1.37E+07	107	Increasing	0.6262
WE4.2	Spring1	BP	Cyanobacteria Abundance	0.0023	1.57E+04	1.06E+04	2.83E+05	2672	Degrading	0.9785

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF3.3	Spring1	BP	Total Abundance	0.0000	1.21E+06	3.65E+06	2.18E+07	598	Increasing	0.4031
TF3.3	Spring1	BP	Total Biomass	0.0000	5.60E+07	9.69E+07	1.01E+09	1041	Increasing	0.5013
TF3.3	Spring1	BP	Biomass to Abundance Ratio	0.1822	1.01	29.06	18.26	63	No Trend	0.8647
TF3.3	Spring1	BP	Margalef Diversity Index	0.2839	0.01	1.43	0.19	13	No Trend	0.7238
TF3.3	Spring1	BP	Diatom Biomass	0.0006	3.00E+07	9.17E+07	5.40E+08	589	Improving	0.3939
TF3.3	Spring1	BP	Dinoflagellate Biomass	0.9628	0.00	2.54E+05	0.00E+00	0	No Trend	0.4274
TF3.3	Spring1	BP	Cyanobacteria Biomass	0.0010	6.75E+05	2.39E+06	1.21E+07	508	Degrading	0.7754
TF3.3	Spring1	BP	Chlorophyte Biomass	0.0000	6.64E+06	5.71E+05	1.20E+08	20960	Improving	0.9768
TF3.3	Spring1	BP	Procaryote Biomass	0.4978	2.23E-04	4.12E-02	4.02E-03	10	No Trend	0.1309
TF3.3	Spring1	BP	Cryptophyte Biomass	0.0000	1.86E+06	5.13E+06	3.34E+07	652	Increasing	0.3924
TF3.3	Spring1	BP	Cyanobacteria Abundance	0.0010	1.38E+05	6.17E+05	2.48E+06	402	Degrading	0.8402
RET3.1	Spring1	BP	Total Abundance	0.0000	1.17E+06	5.06E+06	2.11E+07	418	Increasing	0.7155
RET3.1	Spring1	BP	Total Biomass	0.0002	4.17E+07	5.32E+08	7.51E+08	141	Increasing	0.2262
RET3.1	Spring1	BP	Biomass to Abundance Ratio	0.3470	0.56	81.83	10.09	12	No Trend	0.0772
RET3.1	Spring1	BP	Margalef Diversity Index	0.7762	0.00	1.31	-0.08	-6	No Trend	0.7665
RET3.1	Spring1	BP	Diatom Biomass	0.0002	3.25E+07	1.52E+08	5.85E+08	386	Improving	0.2194
RET3.1	Spring1	BP	Dinoflagellate Biomass	0.3220	-6.73E+04	2.30E+07	-1.21E+06	-5	No Trend	0.4256
RET3.1	Spring1	BP	Cyanobacteria Biomass	0.0016	8.00E+05	9.66E+05	1.44E+07	1491	Degrading	0.4579
RET3.1	Spring1	BP	Chlorophyte Biomass	0.0000	1.53E+06	2.18E+06	2.76E+07	1266	Improving	0.9561
RET3.1	Spring1	BP	Procaryote Biomass	0.0661	6.50E-04	1.07E-03	1.17E-02	1098	No Trend	0.6413
RET3.1	Spring1	BP	Cryptophyte Biomass	0.0007	3.00E+06	1.16E+07	5.40E+07	464	Increasing	0.2208
RET3.1	Spring1	BP	Cyanobacteria Abundance	0.0001	1.75E+05	1.13E+05	3.16E+06	2800	Degrading	0.9606
LE3.6	Spring1	BP	Total Abundance	0.5330	6.92E+04	9.94E+06	1.25E+06	13	No Trend	0.3905
LE3.6	Spring1	BP	Total Biomass	0.6947	-1.21E+07	1.07E+09	-2.18E+08	-20	No Trend	0.2998
LE3.6	Spring1	BP	Biomass to Abundance Ratio	0.1731	-1.31	92.62	-23.59	-25	No Trend	0.9697
LE3.6	Spring1	BP	Margalef Diversity Index	0.9448	0.00	2.30	-0.05	-2	No Trend	0.7958
LE3.6	Spring1	BP	Diatom Biomass	0.4741	-1.25E+07	1.02E+09	-2.25E+08	-22	No Trend	0.3012
LE3.6	Spring1	BP	Dinoflagellate Biomass	0.0104	1.89E+06	2.02E+07	3.39E+07	168	Degrading	0.3146
LE3.6	Spring1	BP	Cyanobacteria Biomass	0.0082	1.77E+04	2.16E+05	3.18E+05	148	Degrading	0.8726
LE3.6	Spring1	BP	Chlorophyte Biomass	0.2184	4.76E+03	4.15E+05	8.57E+04	21	No Trend	0.0546
LE3.6	Spring1	BP	Procaryote Biomass	0.0245	3.08E-05	1.67E-04	5.54E-04	332	Degrading	0.9689
LE3.6	Spring1	BP	Cryptophyte Biomass	0.8716	7.38E+04	2.25E+07	1.33E+06	6	No Trend	0.7452
LE3.6	Spring1	BP	Cyanobacteria Abundance	0.0018	1.37E+04	1.14E+05	2.47E+05	216	Degrading	0.5301

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
CB6.1	Spring1	BP	Total Abundance	0.5954	4.57E+04	8.78E+06	8.23E+05	9	No Trend	0.5066
CB6.1	Spring1	BP	Total Biomass	0.8354	4.05E+06	1.03E+09	7.29E+07	7	No Trend	0.9426
CB6.1	Spring1	BP	Biomass to Abundance Ratio	0.3929	-1.25	100.49	-22.53	-22	No Trend	0.9577
CB6.1	Spring1	BP	Margalef Diversity Index	0.8354	0.00	2.11	-0.04	-2	No Trend	0.6818
CB6.1	Spring1	BP	Diatom Biomass	0.9448	7.18E+05	9.39E+08	1.29E+07	1	No Trend	0.9362
CB6.1	Spring1	BP	Dinoflagellate Biomass	0.0399	1.93E+06	2.05E+07	3.48E+07	170	Degrading	0.0928
CB6.1	Spring1	BP	Cyanobacteria Biomass	0.0000	9.11E+04	0.00	1.64E+06	N.E.	Degrading	0.9983
CB6.1	Spring1	BP	Chlorophyte Biomass	0.1414	2.09E+03	2.25E+05	3.76E+04	17	No Trend	0.3566
CB6.1	Spring1	BP	Procaryote Biomass	0.0001	1.40E-04	0.00	2.52E-03	N.E.	Degrading	0.9934
CB6.1	Spring1	BP	Cryptophyte Biomass	0.2210	8.36E+05	2.44E+07	1.50E+07	62	No Trend	0.1646
CB6.1	Spring1	BP	Cyanobacteria Abundance	0.0061	8.33E+03	4.63E+03	1.50E+05	3240	Degrading	0.8374
CB6.4	Spring1	BP	Total Abundance	0.6861	3.48E+04	7.94E+06	6.27E+05	8	No Trend	0.8255
CB6.4	Spring1	BP	Total Biomass	0.2430	1.51E+07	5.40E+08	2.72E+08	50	No Trend	0.9875
CB6.4	Spring1	BP	Biomass to Abundance Ratio	0.5005	0.92	97.40	16.54	17	No Trend	0.4187
CB6.4	Spring1	BP	Margalef Diversity Index	0.4452	-0.01	2.37	-0.11	-5	No Trend	0.7032
CB6.4	Spring1	BP	Diatom Biomass	0.4724	8.08E+06	5.04E+08	1.46E+08	29	No Trend	0.9943
CB6.4	Spring1	BP	Dinoflagellate Biomass	0.2253	9.16E+05	1.50E+07	1.65E+07	110	No Trend	0.7612
CB6.4	Spring1	BP	Cyanobacteria Biomass	0.0002	1.61E+04	0.00	2.89E+05	N.E.	Degrading	0.9596
CB6.4	Spring1	BP	Chlorophyte Biomass	0.0320	5.83E+04	1.87E+05	1.05E+06	562	Improving	0.7085
CB6.4	Spring1	BP	Procaryote Biomass	0.0003	9.50E-06	0.00	1.71E-04	N.E.	Degrading	0.9753
CB6.4	Spring1	BP	Cryptophyte Biomass	0.3016	3.99E+05	1.24E+07	7.19E+06	58	No Trend	0.5368
CB6.4	Spring1	BP	Cyanobacteria Abundance	0.0001	6.58E+03	0.00	1.18E+05	N.E.	Degrading	0.6174
CB7.3E	Spring1	BP	Total Abundance	0.0497	1.39E+05	6.88E+06	2.50E+06	36	Increasing	0.3813
CB7.3E	Spring1	BP	Total Biomass	0.3679	1.60E+07	8.65E+08	2.88E+08	33	No Trend	0.6428
CB7.3E	Spring1	BP	Biomass to Abundance Ratio	0.9448	0.04	87.57	0.66	1	No Trend	0.9416
CB7.3E	Spring1	BP	Margalef Diversity Index	0.4461	-0.01	2.71	-0.20	-7	No Trend	0.3744
CB7.3E	Spring1	BP	Diatom Biomass	0.6278	4.97E+06	8.46E+08	8.95E+07	11	No Trend	0.5195
CB7.3E	Spring1	BP	Dinoflagellate Biomass	0.0069	1.79E+06	1.54E+07	3.23E+07	210	Degrading	0.3124
CB7.3E	Spring1	BP	Cyanobacteria Biomass	0.0123	8.35E+03	3.28E+04	1.50E+05	459	Degrading	0.4708
CB7.3E	Spring1	BP	Chlorophyte Biomass	0.6055	0.00	7.09E+05	0.00E+00	0	No Trend	0.3662
CB7.3E	Spring1	BP	Procaryote Biomass	0.0082	1.37E-05	1.11E-04	2.47E-04	223	Degrading	0.5758
CB7.3E	Spring1	BP	Cryptophyte Biomass	0.8354	6.43E+04	1.40E+07	1.16E+06	8	No Trend	0.2837
CB7.3E	Spring1	BP	Cyanobacteria Abundance	0.0223	6.50E+03	3.51E+04	1.17E+05	333	Degrading	0.3056
CB7.4	Spring1	BP	Total Abundance	0.4190	5.84E+04	4.54E+06	1.05E+06	23	No Trend	0.9349
CB7.4	Spring1	BP	Total Biomass	0.3929	5.96E+06	3.84E+08	1.07E+08	28	No Trend	0.9756
CB7.4	Spring1	BP	Biomass to Abundance Ratio	0.2390	-2.22	84.91	-40.00	-47	No Trend	0.9139
CB7.4	Spring1	BP	Margalef Diversity Index	0.0069	-0.03	2.76	-0.54	-20	Degrading	0.7937
CB7.4	Spring1	BP	Diatom Biomass	0.7291	2.37E+06	3.53E+08	4.27E+07	12	No Trend	0.9063
CB7.4	Spring1	BP	Dinoflagellate Biomass	0.7640	2.90E+05	1.79E+07	5.21E+06	29	No Trend	0.7701
CB7.4	Spring1	BP	Cyanobacteria Biomass	0.0020	6.02E+04	1.81E+05	1.08E+06	599	Degrading	0.9638
CB7.4	Spring1	BP	Chlorophyte Biomass	0.3180	1.75E+03	2.58E+05	3.16E+04	12	No Trend	0.5099
CB7.4	Spring1	BP	Procaryote Biomass	0.0101	3.03E-05	3.81E-04	5.45E-04	143	Degrading	0.8588
CB7.4	Spring1	BP	Cryptophyte Biomass	0.2390	3.34E+05	1.10E+07	6.01E+06	55	No Trend	0.6605
CB7.4	Spring1	BP	Cyanobacteria Abundance	0.0059	8.89E+03	8.60E+03	1.60E+05	1862	Degrading	0.5147

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF5.5	Spring2	BP	Total Abundance	0.5549	6.33E+05	4.55E+07	1.14E+07	25	No Trend	0.8087
TF5.5	Spring2	BP	Total Biomass	0.0010	1.09E+08	1.23E+09	1.96E+09	158	Increasing	0.5188
TF5.5	Spring2	BP	Biomass to Abundance Ratio	0.0001	2.93	20.73	52.75	254	Improving	0.8087
TF5.5	Spring2	BP	Margalef Diversity Index	0.4705	-0.01	2.07	-0.20	-10	No Trend	0.0863
TF5.5	Spring2	BP	Diatom Biomass	0.0193	5.33E+07	9.59E+08	9.60E+08	100	Improving	0.5623
TF5.5	Spring2	BP	Dinoflagellate Biomass	0.4529	0.00	7.01E+05	0.00E+00	0	No Trend	0.4149
TF5.5	Spring2	BP	Cyanobacteria Biomass	0.0765	5.94E+05	2.25E+07	1.07E+07	48	No Trend	0.9335
TF5.5	Spring2	BP	Chlorophyte Biomass	0.0000	3.39E+07	2.46E+07	6.09E+08	2474	Improving	0.9281
TF5.5	Spring2	BP	Procaryote Biomass	0.7762	-9.86E-05	1.89E-02	-1.78E-03	-9	No Trend	0.4124
TF5.5	Spring2	BP	Cryptophyte Biomass	0.1257	8.79E+05	3.35E+07	1.58E+07	47	No Trend	0.8488
TF5.5	Spring2	BP	Cyanobacteria Abundance	0.0630	1.51E+05	3.69E+06	2.71E+06	73	No Trend	0.2666
RET5.2	Spring2	BP	Total Abundance	0.1104	6.46E+05	1.91E+07	1.16E+07	61	No Trend	0.5188
RET5.2	Spring2	BP	Total Biomass	0.0000	7.45E+07	4.66E+08	1.34E+09	288	Increasing	0.7196
RET5.2	Spring2	BP	Biomass to Abundance Ratio	0.0093	2.10	27.36	37.82	138	Improving	0.8797
RET5.2	Spring2	BP	Margalef Diversity Index	0.9129	0.00	1.49	0.02	1	No Trend	0.4418
RET5.2	Spring2	BP	Diatom Biomass	0.0004	4.55E+07	4.23E+08	8.19E+08	193	Improving	0.8697
RET5.2	Spring2	BP	Dinoflagellate Biomass	0.3134	0.00	7.01E+05	0.00E+00	0	No Trend	0.2070
RET5.2	Spring2	BP	Cyanobacteria Biomass	0.0002	1.19E+06	1.92E+06	2.14E+07	1114	Degrading	0.3635
RET5.2	Spring2	BP	Chlorophyte Biomass	0.0000	9.06E+06	1.22E+06	1.63E+08	13398	Improving	0.9424
RET5.2	Spring2	BP	Procaryote Biomass	0.0695	4.18E-04	4.00E-03	7.52E-03	188	No Trend	0.3316
RET5.2	Spring2	BP	Cryptophyte Biomass	0.0007	2.31E+06	1.27E+07	4.15E+07	326	Increasing	0.6093
RET5.2	Spring2	BP	Cyanobacteria Abundance	0.0032	1.20E+05	5.26E+05	2.16E+06	410	Degrading	0.2423
LE5.5	Spring2	BP	Total Abundance	0.0378	2.12E+05	5.81E+06	3.82E+06	66	Increasing	0.9478
LE5.5	Spring2	BP	Total Biomass	0.0516	1.51E+07	4.01E+08	2.71E+08	68	No Trend	0.5309
LE5.5	Spring2	BP	Biomass to Abundance Ratio	0.4705	0.69	53.89	12.41	23	No Trend	0.0007
LE5.5	Spring2	BP	Margalef Diversity Index	0.2839	-0.01	2.62	-0.22	-8	No Trend	0.9105
LE5.5	Spring2	BP	Diatom Biomass	0.1104	8.23E+06	3.56E+08	1.48E+08	42	No Trend	0.4984
LE5.5	Spring2	BP	Dinoflagellate Biomass	0.0015	3.26E+06	2.74E+07	5.86E+07	214	Degrading	0.8402
LE5.5	Spring2	BP	Cyanobacteria Biomass	0.0022	7.96E+04	2.64E+05	1.43E+06	542	Degrading	0.8683
LE5.5	Spring2	BP	Chlorophyte Biomass	0.0018	1.70E+05	1.90E+05	3.06E+06	1615	Improving	0.6205
LE5.5	Spring2	BP	Procaryote Biomass	0.0197	1.20E-04	5.27E-04	2.15E-03	409	Degrading	0.9853
LE5.5	Spring2	BP	Cryptophyte Biomass	0.0071	8.22E+05	1.67E+07	1.48E+07	88	Increasing	0.7813
LE5.5	Spring2	BP	Cyanobacteria Abundance	0.0015	1.04E+04	2.20E+04	1.88E+05	852	Degrading	0.5957
SBE5	Spring2	BP	Total Abundance	0.1034	1.74E+05	2.70E+06	2.61E+06	97	No Trend	0.2169
SBE5	Spring2	BP	Total Biomass	0.2192	7.37E+06	1.12E+08	1.10E+08	99	No Trend	0.0694
SBE5	Spring2	BP	Biomass to Abundance Ratio	0.1793	-1.08	36.62	-16.25	-44	No Trend	0.6477
SBE5	Spring2	BP	Margalef Diversity Index	0.0177	-0.04	2.71	-0.62	-23	Degrading	0.7802
SBE5	Spring2	BP	Diatom Biomass	0.7971	1.32E+06	5.69E+07	1.98E+07	35	No Trend	0.1466
SBE5	Spring2	BP	Dinoflagellate Biomass	0.2904	-3.37E+05	1.35E+07	-5.06E+06	-37	No Trend	0.9491
SBE5	Spring2	BP	Cyanobacteria Biomass	0.0003	1.30E+05	7.89E+03	1.96E+06	24802	Degrading	0.9380
SBE5	Spring2	BP	Chlorophyte Biomass	0.4747	3.92E+04	1.40E+06	5.88E+05	42	No Trend	0.2701
SBE5	Spring2	BP	Procaryote Biomass	0.0070	3.65E-04	1.88E-04	5.48E-03	2921	Degrading	0.5275
SBE5	Spring2	BP	Cryptophyte Biomass	0.2904	5.57E+05	1.03E+07	8.35E+06	81	No Trend	0.3077
SBE5	Spring2	BP	Cyanobacteria Abundance	0.0001	3.49E+04	2.58E+03	5.23E+05	20230	Degrading	0.9563

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF4.2	Spring2	BP	Total Abundance	0.0004	3.82E+05	3.14E+06	6.50E+06	207	Increasing	0.7387
TF4.2	Spring2	BP	Total Biomass	0.0130	2.11E+07	1.54E+08	3.59E+08	233	Increasing	0.5565
TF4.2	Spring2	BP	Biomass to Abundance Ratio	0.7065	-0.43	53.69	-7.25	-14	No Trend	0.6776
TF4.2	Spring2	BP	Margalef Diversity Index	0.1257	-0.02	1.74	-0.27	-16	No Trend	0.6814
TF4.2	Spring2	BP	Diatom Biomass	0.0669	7.82E+06	1.46E+08	1.33E+08	91	No Trend	0.9729
TF4.2	Spring2	BP	Dinoflagellate Biomass	0.8776	0.00	7.73E+05	0.00E+00	0	No Trend	0.9999
TF4.2	Spring2	BP	Cyanobacteria Biomass	0.0000	2.28E+05	1.22E+05	3.88E+06	3172	Degrading	0.3544
TF4.2	Spring2	BP	Chlorophyte Biomass	0.0001	2.40E+06	1.08E+06	4.07E+07	3764	Improving	0.4262
TF4.2	Spring2	BP	Procaryote Biomass	0.0062	5.30E-04	2.52E-03	9.01E-03	357	Degrading	0.0980
TF4.2	Spring2	BP	Cryptophyte Biomass	0.0003	1.74E+06	6.80E+06	2.96E+07	436	Increasing	0.8829
TF4.2	Spring2	BP	Cyanobacteria Abundance	0.0001	4.82E+04	1.15E+04	8.20E+05	7113	Degrading	0.8205
RET4.3	Spring2	BP	Total Abundance	0.0002	7.07E+05	8.79E+06	1.27E+07	145	Increasing	0.4129
RET4.3	Spring2	BP	Total Biomass	0.0002	4.40E+07	3.69E+08	7.91E+08	214	Increasing	0.4129
RET4.3	Spring2	BP	Biomass to Abundance Ratio	0.1219	0.91	56.98	16.41	29	No Trend	0.4251
RET4.3	Spring2	BP	Margalef Diversity Index	0.4461	-0.01	1.50	-0.10	-6	No Trend	0.5734
RET4.3	Spring2	BP	Diatom Biomass	0.0001	3.65E+07	3.13E+08	6.58E+08	210	Improving	0.6507
RET4.3	Spring2	BP	Dinoflagellate Biomass	0.7109	-1.59E+04	1.65E+07	-2.87E+05	-2	No Trend	0.3801
RET4.3	Spring2	BP	Cyanobacteria Biomass	0.0000	6.59E+05	1.19E+06	1.19E+07	1001	Degrading	0.7035
RET4.3	Spring2	BP	Chlorophyte Biomass	0.0000	1.77E+06	5.81E+03	3.19E+07	548672	Improving	0.9525
RET4.3	Spring2	BP	Procaryote Biomass	0.0355	4.63E-04	3.35E-03	8.33E-03	248	Degrading	0.9618
RET4.3	Spring2	BP	Cryptophyte Biomass	0.0060	1.97E+06	1.50E+07	3.55E+07	236	Increasing	0.5783
RET4.3	Spring2	BP	Cyanobacteria Abundance	0.0002	8.67E+04	9.12E+04	1.56E+06	1710	Degrading	0.9369
WE4.2	Spring2	BP	Total Abundance	0.3691	9.15E+04	7.64E+06	1.65E+06	22	No Trend	0.6440
WE4.2	Spring2	BP	Total Biomass	0.0247	2.11E+07	4.56E+08	3.80E+08	83	Increasing	0.0843
WE4.2	Spring2	BP	Biomass to Abundance Ratio	0.1268	1.71	57.15	30.76	54	No Trend	0.4773
WE4.2	Spring2	BP	Margalef Diversity Index	0.4724	-0.01	2.39	-0.23	-9	No Trend	0.9497
WE4.2	Spring2	BP	Diatom Biomass	0.0966	1.03E+07	3.79E+08	1.85E+08	49	No Trend	0.1457
WE4.2	Spring2	BP	Dinoflagellate Biomass	0.2086	1.62E+06	3.74E+07	2.91E+07	78	No Trend	0.9583
WE4.2	Spring2	BP	Cyanobacteria Biomass	0.0013	4.85E+04	8.97E+03	8.72E+05	9726	Degrading	0.6019
WE4.2	Spring2	BP	Chlorophyte Biomass	0.0100	9.46E+04	9.01E+02	1.70E+06	189027	Improving	0.1135
WE4.2	Spring2	BP	Procaryote Biomass	0.0043	2.70E-05	8.82E-06	4.87E-04	5520	Degrading	0.5743
WE4.2	Spring2	BP	Cryptophyte Biomass	0.0507	7.85E+05	1.74E+07	1.41E+07	81	No Trend	0.6633
WE4.2	Spring2	BP	Cyanobacteria Abundance	0.0003	8.98E+03	1.06E+04	1.62E+05	1526	Degrading	0.6791

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF3.3	Spring2	BP	Total Abundance	0.0000	2.19E+06	5.19E+06	3.94E+07	760	Increasing	0.8157
TF3.3	Spring2	BP	Total Biomass	0.0000	1.15E+08	1.49E+08	2.08E+09	1398	Increasing	0.7674
TF3.3	Spring2	BP	Biomass to Abundance Ratio	0.0535	1.54	34.31	27.65	81	No Trend	0.8629
TF3.3	Spring2	BP	Margalef Diversity Index	0.5295	0.01	1.72	0.14	8	No Trend	0.7630
TF3.3	Spring2	BP	Diatom Biomass	0.0000	5.23E+07	1.20E+08	9.41E+08	785	Improving	0.5493
TF3.3	Spring2	BP	Dinoflagellate Biomass	0.9621	0.00	7.47E+05	0.00E+00	0	No Trend	0.4261
TF3.3	Spring2	BP	Cyanobacteria Biomass	0.0005	1.10E+06	3.18E+06	1.98E+07	621	Degrading	0.7770
TF3.3	Spring2	BP	Chlorophyte Biomass	0.0000	1.52E+07	3.44E+05	2.73E+08	79444	Improving	0.9699
TF3.3	Spring2	BP	Procaryote Biomass	0.8574	7.58E-05	4.13E-02	1.36E-03	3	No Trend	0.1877
TF3.3	Spring2	BP	Cryptophyte Biomass	0.0003	1.98E+06	7.55E+06	3.56E+07	471	Increasing	0.1918
TF3.3	Spring2	BP	Cyanobacteria Abundance	0.0002	2.82E+05	6.17E+05	5.07E+06	822	Degrading	0.8063
RET3.1	Spring2	BP	Total Abundance	0.0000	1.60E+06	5.06E+06	2.89E+07	570	Increasing	0.9648
RET3.1	Spring2	BP	Total Biomass	0.0000	5.55E+07	1.54E+08	1.00E+09	650	Increasing	0.4554
RET3.1	Spring2	BP	Biomass to Abundance Ratio	0.0656	0.99	21.99	17.74	81	No Trend	0.1203
RET3.1	Spring2	BP	Margalef Diversity Index	0.7876	0.00	1.22	-0.05	-4	No Trend	0.7680
RET3.1	Spring2	BP	Diatom Biomass	0.0000	4.08E+07	1.12E+08	7.35E+08	659	Improving	0.3446
RET3.1	Spring2	BP	Dinoflagellate Biomass	0.1423	-7.67E+04	1.09E+07	-1.38E+06	-13	No Trend	0.7567
RET3.1	Spring2	BP	Cyanobacteria Biomass	0.0000	1.03E+06	2.28E+05	1.85E+07	8109	Degrading	0.4997
RET3.1	Spring2	BP	Chlorophyte Biomass	0.0000	3.38E+06	4.80E+04	6.08E+07	126698	Improving	0.8369
RET3.1	Spring2	BP	Procaryote Biomass	0.0184	7.93E-04	5.65E-04	1.43E-02	2524	Degrading	0.6143
RET3.1	Spring2	BP	Cryptophyte Biomass	0.0004	3.73E+06	9.47E+06	6.71E+07	709	Increasing	0.1430
RET3.1	Spring2	BP	Cyanobacteria Abundance	0.0000	3.68E+05	1.07E+05	6.62E+06	6173	Degrading	0.7449
LE3.6	Spring2	BP	Total Abundance	0.1111	1.52E+05	7.65E+06	2.73E+06	36	No Trend	0.5294
LE3.6	Spring2	BP	Total Biomass	0.0446	2.03E+07	6.74E+08	3.66E+08	54	Increasing	0.1989
LE3.6	Spring2	BP	Biomass to Abundance Ratio	0.9816	-0.05	74.68	-0.82	-1	No Trend	0.1666
LE3.6	Spring2	BP	Margalef Diversity Index	0.6947	-0.01	2.19	-0.14	-6	No Trend	0.5432
LE3.6	Spring2	BP	Diatom Biomass	0.1458	1.43E+07	6.04E+08	2.57E+08	43	No Trend	0.3779
LE3.6	Spring2	BP	Dinoflagellate Biomass	0.0283	2.11E+06	2.73E+07	3.80E+07	139	Degrading	0.5641
LE3.6	Spring2	BP	Cyanobacteria Biomass	0.0032	8.09E+04	2.55E+05	1.46E+06	572	Degrading	0.9402
LE3.6	Spring2	BP	Chlorophyte Biomass	0.0308	7.51E+04	1.01E+06	1.35E+06	134	Improving	0.3056
LE3.6	Spring2	BP	Procaryote Biomass	0.0088	1.54E-04	2.89E-04	2.77E-03	959	Degrading	0.9668
LE3.6	Spring2	BP	Cryptophyte Biomass	0.7995	1.30E+05	3.00E+07	2.34E+06	8	No Trend	0.7285
LE3.6	Spring2	BP	Cyanobacteria Abundance	0.0003	3.09E+04	4.95E+04	5.56E+05	1124	Degrading	0.4985

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
CB6.1	Spring2	BP	Total Abundance	0.7995	2.76E+04	5.27E+06	4.96E+05	9	No Trend	0.5943
CB6.1	Spring2	BP	Total Biomass	0.8354	1.29E+06	6.23E+08	2.33E+07	4	No Trend	0.9426
CB6.1	Spring2	BP	Biomass to Abundance Ratio	0.7640	-0.31	90.62	-5.58	-6	No Trend	0.5872
CB6.1	Spring2	BP	Margalef Diversity Index	0.9816	0.00	2.29	-0.01	0	No Trend	0.5335
CB6.1	Spring2	BP	Diatom Biomass	0.6278	1.81E+06	5.33E+08	3.26E+07	6	No Trend	0.8469
CB6.1	Spring2	BP	Dinoflagellate Biomass	0.7291	2.73E+05	2.50E+07	4.92E+06	20	No Trend	0.7975
CB6.1	Spring2	BP	Cyanobacteria Biomass	0.0000	6.24E+04	1.12E+04	1.12E+06	9988	Degrading	0.9983
CB6.1	Spring2	BP	Chlorophyte Biomass	0.0169	8.66E+04	2.25E+05	1.56E+06	692	Improving	0.3400
CB6.1	Spring2	BP	Procaryote Biomass	0.0000	1.40E-04	5.24E-06	2.52E-03	48035	Degrading	0.9940
CB6.1	Spring2	BP	Cryptophyte Biomass	0.9816	3.98E+04	2.49E+07	7.16E+05	3	No Trend	0.1165
CB6.1	Spring2	BP	Cyanobacteria Abundance	0.0008	5.83E+03	3.67E+03	1.05E+05	2858	Degrading	0.7079
CB6.4	Spring2	BP	Total Abundance	0.2811	1.11E+05	7.93E+06	2.00E+06	25	No Trend	0.9535
CB6.4	Spring2	BP	Total Biomass	0.1779	8.57E+06	4.87E+08	1.54E+08	32	No Trend	0.9226
CB6.4	Spring2	BP	Biomass to Abundance Ratio	1.0000	-0.01	86.11	-0.13	0	No Trend	0.8814
CB6.4	Spring2	BP	Margalef Diversity Index	0.2430	-0.01	2.48	-0.19	-8	No Trend	0.6195
CB6.4	Spring2	BP	Diatom Biomass	0.5900	2.96E+06	4.12E+08	5.33E+07	13	No Trend	0.9872
CB6.4	Spring2	BP	Dinoflagellate Biomass	0.3016	9.60E+05	2.28E+07	1.73E+07	76	No Trend	0.7995
CB6.4	Spring2	BP	Cyanobacteria Biomass	0.0000	4.70E+04	0.00	8.47E+05	N.E.	Degrading	0.7722
CB6.4	Spring2	BP	Chlorophyte Biomass	0.0065	7.96E+04	9.33E+04	1.43E+06	1535	Improving	0.9965
CB6.4	Spring2	BP	Procaryote Biomass	0.0000	3.58E-05	0.00	6.44E-04	N.E.	Degrading	0.7228
CB6.4	Spring2	BP	Cryptophyte Biomass	1.0000	-1.32E+03	2.38E+07	-2.37E+04	0	No Trend	0.7228
CB6.4	Spring2	BP	Cyanobacteria Abundance	0.0000	9.41E+03	0.00	1.69E+05	N.E.	Degrading	0.9152
CB7.3E	Spring2	BP	Total Abundance	0.1219	1.15E+05	7.73E+06	2.07E+06	27	No Trend	0.7070
CB7.3E	Spring2	BP	Total Biomass	0.0681	1.31E+07	7.57E+08	2.35E+08	31	No Trend	0.1947
CB7.3E	Spring2	BP	Biomass to Abundance Ratio	0.6278	0.29	65.04	5.16	8	No Trend	0.7262
CB7.3E	Spring2	BP	Margalef Diversity Index	0.0446	-0.03	2.66	-0.54	-20	Degrading	0.1846
CB7.3E	Spring2	BP	Diatom Biomass	0.2778	4.87E+06	7.30E+08	8.76E+07	12	No Trend	0.2601
CB7.3E	Spring2	BP	Dinoflagellate Biomass	0.0007	2.71E+06	1.53E+07	4.87E+07	318	Degrading	0.1718
CB7.3E	Spring2	BP	Cyanobacteria Biomass	0.0182	3.29E+04	1.73E+04	5.92E+05	3414	Degrading	0.5970
CB7.3E	Spring2	BP	Chlorophyte Biomass	0.1982	2.22E+04	4.32E+05	3.99E+05	92	No Trend	0.0774
CB7.3E	Spring2	BP	Procaryote Biomass	0.0124	9.18E-05	7.60E-05	1.65E-03	2175	Degrading	0.6987
CB7.3E	Spring2	BP	Cryptophyte Biomass	0.7291	7.13E+04	1.67E+07	1.28E+06	8	No Trend	0.2258
CB7.3E	Spring2	BP	Cyanobacteria Abundance	0.0129	1.02E+04	2.04E+04	1.83E+05	899	Degrading	0.2014
CB7.4	Spring2	BP	Total Abundance	0.0497	1.33E+05	3.72E+06	2.40E+06	64	Increasing	0.2003
CB7.4	Spring2	BP	Total Biomass	0.0251	1.22E+07	3.09E+08	2.20E+08	71	Increasing	0.1227
CB7.4	Spring2	BP	Biomass to Abundance Ratio	0.7640	0.39	73.14	6.99	10	No Trend	0.2074
CB7.4	Spring2	BP	Margalef Diversity Index	0.0006	-0.04	2.81	-0.72	-25	Degrading	0.8661
CB7.4	Spring2	BP	Diatom Biomass	0.0919	8.95E+06	2.48E+08	1.61E+08	65	No Trend	0.1112
CB7.4	Spring2	BP	Dinoflagellate Biomass	0.5330	4.39E+05	2.99E+07	7.90E+06	26	No Trend	0.5653
CB7.4	Spring2	BP	Cyanobacteria Biomass	0.0003	5.27E+04	6.72E+04	9.49E+05	1411	Degrading	0.7007
CB7.4	Spring2	BP	Chlorophyte Biomass	0.0033	8.42E+04	2.58E+05	1.52E+06	587	Improving	0.2139
CB7.4	Spring2	BP	Procaryote Biomass	0.0011	5.05E-05	1.81E-04	9.09E-04	503	Degrading	0.6028
CB7.4	Spring2	BP	Cryptophyte Biomass	0.1059	4.59E+05	1.10E+07	8.26E+06	75	No Trend	0.3252
CB7.4	Spring2	BP	Cyanobacteria Abundance	0.0070	6.01E+03	5.31E+03	1.08E+05	2035	Degrading	0.5459

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF5.5	Summer1	BP	Total Abundance	0.0558	2.18E+06	3.08E+07	3.92E+07	127	No Trend	0.5655
TF5.5	Summer1	BP	Total Biomass	0.0000	1.88E+08	1.05E+09	3.39E+09	324	Increasing	0.9778
TF5.5	Summer1	BP	Biomass to Abundance Ratio	0.0000	2.11	20.89	38.02	182	Improving	0.1384
TF5.5	Summer1	BP	Margalef Diversity Index	0.0081	-0.05	3.19	-0.87	-27	Degrading	0.1471
TF5.5	Summer1	BP	Diatom Biomass	0.0000	7.87E+07	7.27E+08	1.42E+09	195	Improving	0.8779
TF5.5	Summer1	BP	Dinoflagellate Biomass	0.0923	3.94E+03	5.58E+05	7.10E+04	13	No Trend	0.0381
TF5.5	Summer1	BP	Cyanobacteria Biomass	0.0425	5.46E+06	2.38E+08	9.82E+07	41	Degrading	0.9875
TF5.5	Summer1	BP	Chlorophyte Biomass	0.0000	7.75E+07	1.11E+08	1.39E+09	1255	Improving	0.9084
TF5.5	Summer1	BP	Procaryote Biomass	0.0511	-2.39E-03	2.52E-01	-4.29E-02	-17	No Trend	0.8026
TF5.5	Summer1	BP	Cryptophyte Biomass	0.0001	1.96E+06	1.63E+07	3.53E+07	217	Increasing	0.3557
TF5.5	Summer1	BP	Cyanobacteria Abundance	0.0788	1.43E+06	1.62E+07	2.57E+07	159	No Trend	0.4973
RET5.2	Summer1	BP	Total Abundance	0.0466	6.71E+05	1.31E+07	1.21E+07	92	Increasing	0.7029
RET5.2	Summer1	BP	Total Biomass	0.0002	4.26E+07	4.12E+08	7.67E+08	186	Increasing	0.5650
RET5.2	Summer1	BP	Biomass to Abundance Ratio	0.0028	1.23	23.58	22.16	94	Improving	0.1938
RET5.2	Summer1	BP	Margalef Diversity Index	0.1585	-0.02	1.93	-0.29	-15	No Trend	0.9595
RET5.2	Summer1	BP	Diatom Biomass	0.0002	2.87E+07	3.79E+08	5.17E+08	136	Improving	0.5546
RET5.2	Summer1	BP	Dinoflagellate Biomass	0.6217	0.00	2.37E+06	0.00E+00	0	No Trend	0.1759
RET5.2	Summer1	BP	Cyanobacteria Biomass	0.4990	3.70E+05	1.37E+07	6.66E+06	49	No Trend	0.8642
RET5.2	Summer1	BP	Chlorophyte Biomass	0.0077	4.33E+06	9.19E+06	7.80E+07	848	Improving	0.3623
RET5.2	Summer1	BP	Procaryote Biomass	0.3060	-1.21E-03	4.12E-02	-2.17E-02	-53	No Trend	0.4192
RET5.2	Summer1	BP	Cryptophyte Biomass	0.0017	1.54E+06	1.35E+07	2.78E+07	205	Increasing	0.5955
RET5.2	Summer1	BP	Cyanobacteria Abundance	0.5754	1.02E+05	2.20E+06	1.84E+06	84	No Trend	0.9970
LE5.5	Summer1	BP	Total Abundance	0.0006	2.76E+05	4.26E+06	5.25E+06	123	Increasing	0.5237
LE5.5	Summer1	BP	Total Biomass	0.0001	1.87E+07	2.46E+08	3.56E+08	145	Increasing	0.6539
LE5.5	Summer1	BP	Biomass to Abundance Ratio	0.0061	1.61	55.48	30.64	55	Improving	0.0929
LE5.5	Summer1	BP	Margalef Diversity Index	0.6431	0.00	2.43	0.09	4	No Trend	0.8690
LE5.5	Summer1	BP	Diatom Biomass	0.0015	1.32E+07	1.95E+08	2.51E+08	129	Improving	0.4934
LE5.5	Summer1	BP	Dinoflagellate Biomass	0.0007	2.23E+06	2.29E+07	4.24E+07	185	Degrading	0.8053
LE5.5	Summer1	BP	Cyanobacteria Biomass	0.0003	3.63E+04	8.77E+04	6.90E+05	787	Degrading	0.8357
LE5.5	Summer1	BP	Chlorophyte Biomass	0.0010	8.41E+04	3.12E+03	1.60E+06	51296	Improving	0.9692
LE5.5	Summer1	BP	Procaryote Biomass	0.0013	6.69E-05	5.17E-04	1.27E-03	246	Degrading	0.9726
LE5.5	Summer1	BP	Cryptophyte Biomass	0.0012	5.38E+05	1.10E+07	1.02E+07	93	Increasing	0.8619
LE5.5	Summer1	BP	Cyanobacteria Abundance	0.0006	6.16E+03	3.06E+04	1.17E+05	383	Degrading	0.7764
SBE5	Summer1	BP	Total Abundance	0.0228	2.16E+05	3.28E+06	3.24E+06	99	Increasing	0.9537
SBE5	Summer1	BP	Total Biomass	0.0008	1.40E+07	6.43E+07	2.10E+08	327	Increasing	0.8322
SBE5	Summer1	BP	Biomass to Abundance Ratio	0.0748	0.66	21.44	9.84	46	No Trend	0.7008
SBE5	Summer1	BP	Margalef Diversity Index	0.6922	0.01	1.51	0.10	6	No Trend	0.6381
SBE5	Summer1	BP	Diatom Biomass	0.0041	8.61E+06	4.82E+07	1.29E+08	268	Improving	0.9683
SBE5	Summer1	BP	Dinoflagellate Biomass	0.4579	1.45E+05	3.61E+06	2.17E+06	60	No Trend	0.4417
SBE5	Summer1	BP	Cyanobacteria Biomass	0.0000	1.90E+05	2.27E+03	2.85E+06	125363	Degrading	0.8587
SBE5	Summer1	BP	Chlorophyte Biomass	0.1552	1.28E+05	4.82E+04	1.92E+06	3994	No Trend	0.7076
SBE5	Summer1	BP	Procaryote Biomass	0.0000	6.07E-04	2.07E-05	9.11E-03	44058	Degrading	0.6679
SBE5	Summer1	BP	Cryptophyte Biomass	0.5200	3.00E+05	5.34E+06	4.51E+06	84	No Trend	0.1077
SBE5	Summer1	BP	Cyanobacteria Abundance	0.0000	4.72E+04	2.88E+02	7.08E+05	245947	Degrading	0.9278

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF4.2	Summer1	BP	Total Abundance	0.0033	5.00E+05	1.06E+07	8.50E+06	80	Increasing	0.3368
TF4.2	Summer1	BP	Total Biomass	0.0006	2.98E+07	3.81E+08	5.06E+08	133	Increasing	0.3352
TF4.2	Summer1	BP	Biomass to Abundance Ratio	0.3344	0.78	34.48	13.19	38	No Trend	0.4557
TF4.2	Summer1	BP	Margalef Diversity Index	0.1853	-0.01	2.11	-0.24	-11	No Trend	0.9814
TF4.2	Summer1	BP	Diatom Biomass	0.2007	4.83E+06	2.53E+08	8.21E+07	32	No Trend	0.3434
TF4.2	Summer1	BP	Dinoflagellate Biomass	0.9283	0.00	2.15E+06	0.00E+00	0	No Trend	0.0820
TF4.2	Summer1	BP	Cyanobacteria Biomass	0.0368	1.85E+05	1.24E+07	3.15E+06	25	Degrading	0.8517
TF4.2	Summer1	BP	Chlorophyte Biomass	0.0000	4.63E+06	4.37E+06	7.88E+07	1803	Improving	0.9443
TF4.2	Summer1	BP	Procaryote Biomass	0.5150	-3.33E-04	6.35E-02	-5.66E-03	-9	No Trend	0.4474
TF4.2	Summer1	BP	Cryptophyte Biomass	0.0001	1.29E+06	6.21E+06	2.20E+07	354	Increasing	0.8805
TF4.2	Summer1	BP	Cyanobacteria Abundance	0.1214	4.07E+04	4.52E+06	6.92E+05	15	No Trend	0.6392
RET4.3	Summer1	BP	Total Abundance	0.0001	9.31E+05	1.35E+07	1.68E+07	124	Increasing	0.8155
RET4.3	Summer1	BP	Total Biomass	0.0001	3.24E+07	5.00E+08	5.82E+08	117	Increasing	0.8988
RET4.3	Summer1	BP	Biomass to Abundance Ratio	0.2045	0.42	37.69	7.64	20	No Trend	0.4163
RET4.3	Summer1	BP	Margalef Diversity Index	0.0507	-0.02	1.71	-0.42	-25	No Trend	0.4652
RET4.3	Summer1	BP	Diatom Biomass	0.0008	2.96E+07	4.60E+08	5.33E+08	116	Improving	0.8125
RET4.3	Summer1	BP	Dinoflagellate Biomass	0.6278	5.00E+04	3.55E+06	8.99E+05	25	No Trend	0.8604
RET4.3	Summer1	BP	Cyanobacteria Biomass	0.0001	9.48E+05	1.53E+06	1.71E+07	1118	Degrading	0.1337
RET4.3	Summer1	BP	Chlorophyte Biomass	0.0009	3.70E+05	2.48E+03	6.67E+06	268310	Improving	0.1374
RET4.3	Summer1	BP	Procaryote Biomass	0.3237	3.37E-04	2.99E-03	6.06E-03	203	No Trend	0.1617
RET4.3	Summer1	BP	Cryptophyte Biomass	0.0132	1.24E+06	2.11E+07	2.24E+07	106	Increasing	0.5722
RET4.3	Summer1	BP	Cyanobacteria Abundance	0.0002	1.37E+05	1.50E+05	2.47E+06	1651	Degrading	0.7198
WE4.2	Summer1	BP	Total Abundance	0.0154	1.62E+05	6.60E+06	3.07E+06	47	Increasing	0.8777
WE4.2	Summer1	BP	Total Biomass	0.0000	2.23E+07	2.42E+08	4.23E+08	175	Increasing	0.7406
WE4.2	Summer1	BP	Biomass to Abundance Ratio	0.0114	1.49	44.45	28.29	64	Improving	0.6133
WE4.2	Summer1	BP	Margalef Diversity Index	0.1872	-0.01	2.45	-0.26	-11	No Trend	0.9379
WE4.2	Summer1	BP	Diatom Biomass	0.0000	1.67E+07	1.94E+08	3.17E+08	163	Improving	0.8803
WE4.2	Summer1	BP	Dinoflagellate Biomass	0.9148	2.53E+04	3.18E+07	4.80E+05	2	No Trend	0.4061
WE4.2	Summer1	BP	Cyanobacteria Biomass	0.0000	6.87E+04	0.00	1.30E+06	N.E.	Degrading	0.9978
WE4.2	Summer1	BP	Chlorophyte Biomass	0.0006	4.75E+04	0.00	9.02E+05	N.E.	Improving	0.6312
WE4.2	Summer1	BP	Procaryote Biomass	0.0000	9.03E-05	0.00	1.72E-03	N.E.	Degrading	0.9909
WE4.2	Summer1	BP	Cryptophyte Biomass	0.3923	1.55E+05	1.31E+07	2.95E+06	22	No Trend	0.4130
WE4.2	Summer1	BP	Cyanobacteria Abundance	0.0000	9.31E+03	0.00	1.77E+05	N.E.	Degrading	0.8987

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF3.3	Summer1	BP	Total Abundance	0.0000	1.98E+06	7.10E+06	3.56E+07	501	Increasing	0.8771
TF3.3	Summer1	BP	Total Biomass	0.0000	8.13E+07	1.63E+08	1.46E+09	900	Increasing	0.7667
TF3.3	Summer1	BP	Biomass to Abundance Ratio	0.0016	1.06	19.92	19.16	96	Improving	0.9288
TF3.3	Summer1	BP	Margalef Diversity Index	0.5592	0.01	1.80	0.17	10	No Trend	0.9906
TF3.3	Summer1	BP	Diatom Biomass	0.0000	4.66E+07	1.19E+08	8.38E+08	705	Improving	0.4876
TF3.3	Summer1	BP	Dinoflagellate Biomass	0.1575	6.85E+04	1.09E+06	1.23E+06	113	No Trend	0.6464
TF3.3	Summer1	BP	Cyanobacteria Biomass	0.0000	3.60E+06	2.37E+06	6.48E+07	2733	Degrading	0.9285
TF3.3	Summer1	BP	Chlorophyte Biomass	0.0000	6.59E+06	1.47E+06	1.19E+08	8082	Improving	0.5027
TF3.3	Summer1	BP	Procaryote Biomass	0.9839	-2.81E-06	1.42E-02	-5.05E-05	0	No Trend	0.9760
TF3.3	Summer1	BP	Cryptophyte Biomass	0.0045	1.19E+06	1.28E+07	2.14E+07	167	Increasing	0.6115
TF3.3	Summer1	BP	Cyanobacteria Abundance	0.0001	6.94E+05	5.77E+05	1.25E+07	2164	Degrading	0.7848
RET3.1	Summer1	BP	Total Abundance	0.0000	1.68E+06	3.88E+06	3.02E+07	779	Increasing	0.8989
RET3.1	Summer1	BP	Total Biomass	0.0000	5.26E+07	2.00E+08	9.47E+08	473	Increasing	0.8071
RET3.1	Summer1	BP	Biomass to Abundance Ratio	0.0797	0.73	19.55	13.23	68	No Trend	0.9364
RET3.1	Summer1	BP	Margalef Diversity Index	0.7320	0.01	1.29	0.10	7	No Trend	0.1344
RET3.1	Summer1	BP	Diatom Biomass	0.0000	3.18E+07	1.63E+08	5.72E+08	350	Improving	0.7121
RET3.1	Summer1	BP	Dinoflagellate Biomass	0.6713	2.75E+04	5.65E+06	4.94E+05	9	No Trend	0.8849
RET3.1	Summer1	BP	Cyanobacteria Biomass	0.0000	1.63E+06	7.98E+05	2.94E+07	3678	Degrading	0.5542
RET3.1	Summer1	BP	Chlorophyte Biomass	0.0000	1.10E+06	4.80E+04	1.98E+07	41185	Improving	0.8757
RET3.1	Summer1	BP	Procaryote Biomass	0.0061	1.54E-03	2.18E-03	2.76E-02	1267	Degrading	0.3998
RET3.1	Summer1	BP	Cryptophyte Biomass	0.0000	2.40E+06	9.91E+06	4.32E+07	436	Increasing	0.8537
RET3.1	Summer1	BP	Cyanobacteria Abundance	0.0000	6.10E+05	1.42E+05	1.10E+07	7710	Degrading	0.7072
LE3.6	Summer1	BP	Total Abundance	0.0014	1.77E+05	3.31E+06	3.36E+06	102	Increasing	0.9522
LE3.6	Summer1	BP	Total Biomass	0.0000	1.87E+07	2.71E+08	3.55E+08	131	Increasing	0.6687
LE3.6	Summer1	BP	Biomass to Abundance Ratio	0.4582	0.56	72.38	10.67	15	No Trend	0.5601
LE3.6	Summer1	BP	Margalef Diversity Index	0.7952	0.00	2.52	-0.07	-3	No Trend	0.5292
LE3.6	Summer1	BP	Diatom Biomass	0.0021	1.07E+07	1.47E+08	2.03E+08	139	Improving	0.8743
LE3.6	Summer1	BP	Dinoflagellate Biomass	0.0315	2.51E+06	6.58E+07	4.76E+07	72	Degrading	0.7215
LE3.6	Summer1	BP	Cyanobacteria Biomass	0.0000	6.14E+04	9.87E+02	1.17E+06	118133	Degrading	0.8820
LE3.6	Summer1	BP	Chlorophyte Biomass	0.0011	1.03E+05	4.34E+05	1.97E+06	453	Improving	0.4341
LE3.6	Summer1	BP	Procaryote Biomass	0.0000	1.47E-04	4.85E-06	2.80E-03	57708	Degrading	0.8624
LE3.6	Summer1	BP	Cryptophyte Biomass	0.4361	2.39E+05	1.74E+07	4.54E+06	26	No Trend	0.9989
LE3.6	Summer1	BP	Cyanobacteria Abundance	0.0000	1.68E+04	3.30E+03	3.18E+05	9641	Degrading	0.9380

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
CB6.1	Summer1	BP	Total Abundance	0.4032	4.26E+04	2.96E+06	8.10E+05	27	No Trend	0.8517
CB6.1	Summer1	BP	Total Biomass	0.1672	4.52E+06	1.99E+08	8.58E+07	43	No Trend	0.8587
CB6.1	Summer1	BP	Biomass to Abundance Ratio	0.3830	0.51	58.96	9.77	17	No Trend	0.7632
CB6.1	Summer1	BP	Margalef Diversity Index	0.7712	-0.01	2.22	-0.10	-5	No Trend	0.2765
CB6.1	Summer1	BP	Diatom Biomass	0.0638	3.72E+06	1.20E+08	7.06E+07	59	No Trend	0.8971
CB6.1	Summer1	BP	Dinoflagellate Biomass	0.4673	2.38E+05	1.54E+07	4.52E+06	29	No Trend	0.4869
CB6.1	Summer1	BP	Cyanobacteria Biomass	0.0000	3.11E+04	4.48E+03	5.91E+05	13191	Degrading	0.8823
CB6.1	Summer1	BP	Chlorophyte Biomass	0.0012	1.04E+05	1.40E+05	1.97E+06	1410	Improving	0.8652
CB6.1	Summer1	BP	Procaryote Biomass	0.0000	1.48E-04	1.44E-05	2.81E-03	19551	Degrading	0.7765
CB6.1	Summer1	BP	Cryptophyte Biomass	0.3264	-2.41E+05	1.54E+07	-4.57E+06	-30	No Trend	0.5087
CB6.1	Summer1	BP	Cyanobacteria Abundance	0.0000	5.96E+03	6.08E+02	1.13E+05	18622	Degrading	0.8983
CB6.4	Summer1	BP	Total Abundance	0.0043	1.39E+05	2.97E+06	2.64E+06	89	Increasing	0.7455
CB6.4	Summer1	BP	Total Biomass	0.0103	9.10E+06	1.75E+08	1.73E+08	99	Increasing	0.9382
CB6.4	Summer1	BP	Biomass to Abundance Ratio	0.4541	0.76	61.16	14.51	24	No Trend	0.9944
CB6.4	Summer1	BP	Margalef Diversity Index	0.6431	-0.01	2.23	-0.11	-5	No Trend	0.7604
CB6.4	Summer1	BP	Diatom Biomass	0.0297	4.70E+06	1.05E+08	8.93E+07	85	Improving	0.7855
CB6.4	Summer1	BP	Dinoflagellate Biomass	0.1994	6.81E+05	2.13E+07	1.29E+07	61	No Trend	0.9030
CB6.4	Summer1	BP	Cyanobacteria Biomass	0.0000	3.89E+04	0.00	7.39E+05	N.E.	Degrading	0.3036
CB6.4	Summer1	BP	Chlorophyte Biomass	0.0004	1.33E+05	2.16E+05	2.53E+06	1174	Improving	0.5772
CB6.4	Summer1	BP	Procaryote Biomass	0.0000	1.34E-04	0.00	2.55E-03	N.E.	Degrading	0.3483
CB6.4	Summer1	BP	Cryptophyte Biomass	0.1168	3.68E+05	1.23E+07	7.00E+06	57	No Trend	0.4059
CB6.4	Summer1	BP	Cyanobacteria Abundance	0.0000	8.73E+03	8.00E+00	1.66E+05	2074076	Degrading	0.7585
CB7.3E	Summer1	BP	Total Abundance	0.0075	1.70E+05	4.58E+06	3.22E+06	70	Increasing	0.5115
CB7.3E	Summer1	BP	Total Biomass	0.0000	1.86E+07	1.91E+08	3.53E+08	185	Increasing	0.4019
CB7.3E	Summer1	BP	Biomass to Abundance Ratio	0.3182	0.71	74.10	13.42	18	No Trend	0.1402
CB7.3E	Summer1	BP	Margalef Diversity Index	0.0691	-0.02	2.69	-0.42	-15	No Trend	0.0624
CB7.3E	Summer1	BP	Diatom Biomass	0.0010	1.19E+07	1.50E+08	2.27E+08	151	Improving	0.3643
CB7.3E	Summer1	BP	Dinoflagellate Biomass	0.0015	1.90E+06	1.16E+07	3.61E+07	311	Degrading	0.4631
CB7.3E	Summer1	BP	Cyanobacteria Biomass	0.0117	6.63E+03	1.82E+04	1.26E+05	693	Degrading	0.7297
CB7.3E	Summer1	BP	Chlorophyte Biomass	0.0099	3.07E+04	1.17E+05	5.82E+05	499	Improving	0.5574
CB7.3E	Summer1	BP	Procaryote Biomass	0.0258	8.54E-06	8.61E-05	1.62E-04	188	Degrading	0.6628
CB7.3E	Summer1	BP	Cryptophyte Biomass	0.0169	4.88E+05	7.08E+06	9.28E+06	131	Increasing	0.0530
CB7.3E	Summer1	BP	Cyanobacteria Abundance	0.0040	3.33E+03	1.22E+04	6.33E+04	520	Degrading	0.4888
CB7.4	Summer1	BP	Total Abundance	0.0001	1.90E+05	1.79E+06	3.61E+06	201	Increasing	0.5911
CB7.4	Summer1	BP	Total Biomass	0.0000	1.83E+07	1.46E+08	3.48E+08	237	Increasing	0.7940
CB7.4	Summer1	BP	Biomass to Abundance Ratio	0.3013	0.70	77.82	13.26	17	No Trend	0.3344
CB7.4	Summer1	BP	Margalef Diversity Index	0.0061	-0.04	3.23	-0.70	-22	Degrading	0.0215
CB7.4	Summer1	BP	Diatom Biomass	0.0000	1.42E+07	1.20E+08	2.69E+08	225	Improving	0.7797
CB7.4	Summer1	BP	Dinoflagellate Biomass	0.2395	4.17E+05	1.13E+07	7.92E+06	70	No Trend	0.1980
CB7.4	Summer1	BP	Cyanobacteria Biomass	0.0001	3.50E+04	3.44E+03	6.65E+05	19326	Degrading	0.7133
CB7.4	Summer1	BP	Chlorophyte Biomass	0.0035	3.84E+04	9.57E+04	7.30E+05	762	Improving	0.1133
CB7.4	Summer1	BP	Procaryote Biomass	0.0007	2.93E-05	1.00E-05	5.57E-04	5544	Degrading	0.7376
CB7.4	Summer1	BP	Cryptophyte Biomass	0.0020	3.97E+05	6.98E+06	7.54E+06	108	Increasing	0.7519
CB7.4	Summer1	BP	Cyanobacteria Abundance	0.0003	5.32E+03	8.00E+01	1.01E+05	126425	Degrading	0.8503

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF5.5	Summer2	BP	Total Abundance	0.0311	2.94E+06	3.02E+07	5.30E+07	176	Increasing	0.5783
TF5.5	Summer2	BP	Total Biomass	0.0000	1.85E+08	6.93E+08	3.34E+09	482	Increasing	0.9062
TF5.5	Summer2	BP	Biomass to Abundance Ratio	0.0002	1.75	20.89	31.58	151	Improving	0.0758
TF5.5	Summer2	BP	Margalef Diversity Index	0.0482	-0.05	3.19	-0.82	-26	Degrading	0.0850
TF5.5	Summer2	BP	Diatom Biomass	0.0001	7.69E+07	5.11E+08	1.38E+09	271	Improving	0.7297
TF5.5	Summer2	BP	Dinoflagellate Biomass	0.0639	8.10E+04	5.58E+05	1.46E+06	261	No Trend	0.0223
TF5.5	Summer2	BP	Cyanobacteria Biomass	0.0656	7.72E+06	2.38E+08	1.39E+08	58	No Trend	0.9479
TF5.5	Summer2	BP	Chlorophyte Biomass	0.0000	6.94E+07	7.69E+07	1.25E+09	1625	Improving	0.8926
TF5.5	Summer2	BP	Procaryote Biomass	0.1268	-3.73E-03	3.23E-01	-6.71E-02	-21	No Trend	0.6363
TF5.5	Summer2	BP	Cryptophyte Biomass	0.0000	2.98E+06	1.63E+07	5.36E+07	329	Increasing	0.8184
TF5.5	Summer2	BP	Cyanobacteria Abundance	0.0433	2.25E+06	1.62E+07	4.06E+07	251	Degrading	0.4826
RET5.2	Summer2	BP	Total Abundance	0.2253	5.39E+05	1.31E+07	9.69E+06	74	No Trend	0.8076
RET5.2	Summer2	BP	Total Biomass	0.0041	4.00E+07	3.57E+08	7.20E+08	202	Increasing	0.4463
RET5.2	Summer2	BP	Biomass to Abundance Ratio	0.0047	1.38	22.48	24.93	111	Improving	0.1035
RET5.2	Summer2	BP	Margalef Diversity Index	0.1928	-0.01	2.03	-0.22	-11	No Trend	0.8719
RET5.2	Summer2	BP	Diatom Biomass	0.0006	2.87E+07	3.13E+08	5.16E+08	165	Improving	0.3654
RET5.2	Summer2	BP	Dinoflagellate Biomass	0.7503	0.00	3.93E+06	0.00E+00	0	No Trend	0.0869
RET5.2	Summer2	BP	Cyanobacteria Biomass	0.8574	1.75E+05	2.05E+07	3.16E+06	15	No Trend	0.9494
RET5.2	Summer2	BP	Chlorophyte Biomass	0.1212	2.09E+06	1.01E+07	3.77E+07	374	No Trend	0.6115
RET5.2	Summer2	BP	Procaryote Biomass	0.2616	-1.97E-03	9.24E-02	-3.54E-02	-38	No Trend	0.2679
RET5.2	Summer2	BP	Cryptophyte Biomass	0.0057	1.58E+06	1.61E+07	2.85E+07	177	Increasing	0.3915
RET5.2	Summer2	BP	Cyanobacteria Abundance	0.6861	6.41E+04	2.20E+06	1.15E+06	53	No Trend	0.9870
LE5.5	Summer2	BP	Total Abundance	0.0013	3.09E+05	3.86E+06	5.87E+06	152	Increasing	0.3738
LE5.5	Summer2	BP	Total Biomass	0.0005	1.88E+07	2.57E+08	3.57E+08	139	Increasing	0.4451
LE5.5	Summer2	BP	Biomass to Abundance Ratio	0.2179	0.93	64.76	17.61	27	No Trend	0.7816
LE5.5	Summer2	BP	Margalef Diversity Index	0.4796	0.01	2.40	0.19	8	No Trend	0.8620
LE5.5	Summer2	BP	Diatom Biomass	0.0081	1.51E+07	2.17E+08	2.86E+08	132	Improving	0.3083
LE5.5	Summer2	BP	Dinoflagellate Biomass	0.0044	2.12E+06	2.29E+07	4.03E+07	176	Degrading	0.6219
LE5.5	Summer2	BP	Cyanobacteria Biomass	0.0011	3.30E+04	3.32E+04	6.27E+05	1889	Degrading	0.6835
LE5.5	Summer2	BP	Chlorophyte Biomass	0.0036	8.14E+04	1.78E+05	1.55E+06	868	Improving	0.8874
LE5.5	Summer2	BP	Procaryote Biomass	0.0044	5.20E-05	1.02E-04	9.88E-04	970	Degrading	0.8999
LE5.5	Summer2	BP	Cryptophyte Biomass	0.0092	4.51E+05	8.47E+06	8.57E+06	101	Increasing	0.7565
LE5.5	Summer2	BP	Cyanobacteria Abundance	0.0015	5.54E+03	1.71E+04	1.05E+05	616	Degrading	0.6338
SBE5	Summer2	BP	Total Abundance	0.0633	1.87E+05	3.42E+06	2.81E+06	82	No Trend	0.8690
SBE5	Summer2	BP	Total Biomass	0.0110	1.06E+07	6.43E+07	1.59E+08	248	Increasing	0.8521
SBE5	Summer2	BP	Biomass to Abundance Ratio	0.0370	0.76	20.30	11.46	56	Improving	0.8862
SBE5	Summer2	BP	Margalef Diversity Index	0.3458	0.02	1.51	0.25	17	No Trend	0.8804
SBE5	Summer2	BP	Diatom Biomass	0.0079	7.20E+06	4.82E+07	1.08E+08	224	Improving	0.9337
SBE5	Summer2	BP	Dinoflagellate Biomass	0.2904	2.06E+05	2.98E+06	3.10E+06	104	No Trend	0.3670
SBE5	Summer2	BP	Cyanobacteria Biomass	0.0000	2.12E+05	1.95E+04	3.17E+06	16260	Degrading	0.7789
SBE5	Summer2	BP	Chlorophyte Biomass	0.0691	2.08E+05	4.73E+04	3.12E+06	6600	No Trend	0.9843
SBE5	Summer2	BP	Procaryote Biomass	0.0000	8.80E-04	7.04E-04	1.32E-02	1874	Degrading	0.9149
SBE5	Summer2	BP	Cryptophyte Biomass	0.2652	4.73E+05	5.34E+06	7.09E+06	133	No Trend	0.0890
SBE5	Summer2	BP	Cyanobacteria Abundance	0.0000	4.72E+04	1.41E+03	7.08E+05	50277	Degrading	0.8201

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF4.2	Summer2	BP	Total Abundance	0.0556	4.57E+05	2.61E+07	7.76E+06	30	No Trend	0.5078
TF4.2	Summer2	BP	Total Biomass	0.0076	2.45E+07	5.20E+08	4.16E+08	80	Increasing	0.2368
TF4.2	Summer2	BP	Biomass to Abundance Ratio	0.3385	1.14	24.04	19.44	81	No Trend	0.2809
TF4.2	Summer2	BP	Margalef Diversity Index	0.3137	-0.01	2.11	-0.22	-11	No Trend	0.9595
TF4.2	Summer2	BP	Diatom Biomass	0.3645	4.37E+06	2.79E+08	7.42E+07	27	No Trend	0.2125
TF4.2	Summer2	BP	Dinoflagellate Biomass	0.9597	0.00	1.86E+06	0.00E+00	0	No Trend	0.0350
TF4.2	Summer2	BP	Cyanobacteria Biomass	0.1584	1.95E+05	1.19E+08	3.31E+06	3	No Trend	0.9919
TF4.2	Summer2	BP	Chlorophyte Biomass	0.0002	3.38E+06	8.81E+06	5.74E+07	652	Improving	0.8580
TF4.2	Summer2	BP	Procaryote Biomass	0.2677	-8.04E-04	1.65E-01	-1.37E-02	-8	No Trend	0.5279
TF4.2	Summer2	BP	Cryptophyte Biomass	0.0004	1.09E+06	6.21E+06	1.85E+07	298	Increasing	0.7291
TF4.2	Summer2	BP	Cyanobacteria Abundance	0.4202	3.04E+04	1.96E+07	5.16E+05	3	No Trend	0.8740
RET4.3	Summer2	BP	Total Abundance	0.0008	1.21E+06	1.52E+07	2.17E+07	143	Increasing	0.6449
RET4.3	Summer2	BP	Total Biomass	0.0010	3.05E+07	5.00E+08	5.48E+08	110	Increasing	0.7746
RET4.3	Summer2	BP	Biomass to Abundance Ratio	0.2210	0.42	33.33	7.64	23	No Trend	0.2474
RET4.3	Summer2	BP	Margalef Diversity Index	0.0135	-0.04	1.84	-0.65	-35	Degrading	0.9859
RET4.3	Summer2	BP	Diatom Biomass	0.0052	2.73E+07	4.60E+08	4.92E+08	107	Improving	0.6419
RET4.3	Summer2	BP	Dinoflagellate Biomass	0.9078	0.00	5.27E+06	0.00E+00	0	No Trend	0.8336
RET4.3	Summer2	BP	Cyanobacteria Biomass	0.0039	8.06E+05	1.46E+06	1.45E+07	991	Degrading	0.1023
RET4.3	Summer2	BP	Chlorophyte Biomass	0.0489	1.58E+05	3.28E+05	2.84E+06	868	Improving	0.3227
RET4.3	Summer2	BP	Procaryote Biomass	0.5638	3.49E-04	2.46E-03	6.28E-03	256	No Trend	0.0877
RET4.3	Summer2	BP	Cryptophyte Biomass	0.0153	1.24E+06	2.11E+07	2.24E+07	106	Increasing	0.4319
RET4.3	Summer2	BP	Cyanobacteria Abundance	0.0025	1.29E+05	1.33E+05	2.32E+06	1742	Degrading	0.5529
WE4.2	Summer2	BP	Total Abundance	0.0375	1.41E+05	6.60E+06	2.67E+06	41	Increasing	0.7122
WE4.2	Summer2	BP	Total Biomass	0.0002	1.82E+07	2.42E+08	3.46E+08	143	Increasing	0.7298
WE4.2	Summer2	BP	Biomass to Abundance Ratio	0.0603	1.05	41.77	19.92	48	No Trend	0.5063
WE4.2	Summer2	BP	Margalef Diversity Index	0.1634	-0.02	2.59	-0.29	-11	No Trend	0.9383
WE4.2	Summer2	BP	Diatom Biomass	0.0002	1.42E+07	1.94E+08	2.70E+08	139	Improving	0.7553
WE4.2	Summer2	BP	Dinoflagellate Biomass	0.7313	-7.50E+04	3.18E+07	-1.43E+06	-4	No Trend	0.3588
WE4.2	Summer2	BP	Cyanobacteria Biomass	0.0000	7.10E+04	0.00	1.35E+06	N.E.	Degrading	0.9801
WE4.2	Summer2	BP	Chlorophyte Biomass	0.0135	3.67E+04	1.30E+03	6.97E+05	53757	Improving	0.7263
WE4.2	Summer2	BP	Procaryote Biomass	0.0001	1.36E-04	0.00	2.59E-03	N.E.	Degrading	0.9564
WE4.2	Summer2	BP	Cryptophyte Biomass	0.9839	-3.64E+03	1.31E+07	-6.91E+04	-1	No Trend	0.8834
WE4.2	Summer2	BP	Cyanobacteria Abundance	0.0000	1.00E+04	0.00	1.91E+05	N.E.	Degrading	0.7723

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF3.3	Summer2	BP	Total Abundance	0.0000	1.96E+06	7.64E+06	3.52E+07	461	Increasing	0.7177
TF3.3	Summer2	BP	Total Biomass	0.0000	7.87E+07	1.63E+08	1.42E+09	870	Increasing	0.8393
TF3.3	Summer2	BP	Biomass to Abundance Ratio	0.0052	0.95	19.92	17.05	86	Improving	0.8023
TF3.3	Summer2	BP	Margalef Diversity Index	0.5638	0.01	1.81	0.17	10	No Trend	0.9573
TF3.3	Summer2	BP	Diatom Biomass	0.0000	4.66E+07	1.17E+08	8.38E+08	715	Improving	0.4481
TF3.3	Summer2	BP	Dinoflagellate Biomass	0.0784	2.33E+05	1.09E+06	4.19E+06	383	No Trend	0.7842
TF3.3	Summer2	BP	Cyanobacteria Biomass	0.0000	4.55E+06	6.42E+06	8.19E+07	1275	Degrading	0.8121
TF3.3	Summer2	BP	Chlorophyte Biomass	0.0003	5.27E+06	2.87E+06	9.49E+07	3307	Improving	0.5302
TF3.3	Summer2	BP	Procaryote Biomass	0.8716	-1.42E-04	5.07E-02	-2.55E-03	-5	No Trend	0.9404
TF3.3	Summer2	BP	Cryptophyte Biomass	0.0079	1.35E+06	1.15E+07	2.44E+07	212	Increasing	0.4368
TF3.3	Summer2	BP	Cyanobacteria Abundance	0.0011	8.72E+05	9.99E+05	1.57E+07	1570	Degrading	0.6621
RET3.1	Summer2	BP	Total Abundance	0.0001	1.61E+06	3.88E+06	2.90E+07	748	Increasing	0.8291
RET3.1	Summer2	BP	Total Biomass	0.0000	5.15E+07	2.00E+08	9.27E+08	463	Increasing	0.8183
RET3.1	Summer2	BP	Biomass to Abundance Ratio	0.2041	0.60	19.76	10.82	55	No Trend	0.9245
RET3.1	Summer2	BP	Margalef Diversity Index	0.5638	0.01	1.50	0.13	9	No Trend	0.0725
RET3.1	Summer2	BP	Diatom Biomass	0.0000	2.95E+07	1.63E+08	5.30E+08	325	Improving	0.7654
RET3.1	Summer2	BP	Dinoflagellate Biomass	0.4871	7.86E+04	5.65E+06	1.41E+06	25	No Trend	0.9026
RET3.1	Summer2	BP	Cyanobacteria Biomass	0.0001	1.45E+06	7.98E+05	2.62E+07	3277	Degrading	0.4731
RET3.1	Summer2	BP	Chlorophyte Biomass	0.0001	1.05E+06	1.40E+05	1.89E+07	13526	Improving	0.9655
RET3.1	Summer2	BP	Procaryote Biomass	0.0299	1.44E-03	2.18E-03	2.60E-02	1190	Degrading	0.2525
RET3.1	Summer2	BP	Cryptophyte Biomass	0.0001	1.94E+06	1.29E+07	3.49E+07	271	Increasing	0.9732
RET3.1	Summer2	BP	Cyanobacteria Abundance	0.0002	5.92E+05	2.16E+05	1.07E+07	4934	Degrading	0.7569
LE3.6	Summer2	BP	Total Abundance	0.0031	1.66E+05	3.15E+06	3.16E+06	100	Increasing	0.9122
LE3.6	Summer2	BP	Total Biomass	0.0011	1.53E+07	2.56E+08	2.91E+08	114	Increasing	0.5332
LE3.6	Summer2	BP	Biomass to Abundance Ratio	0.9830	0.04	90.43	0.76	1	No Trend	0.7856
LE3.6	Summer2	BP	Margalef Diversity Index	0.7497	0.00	2.52	0.05	2	No Trend	0.6061
LE3.6	Summer2	BP	Diatom Biomass	0.0145	8.37E+06	1.34E+08	1.59E+08	119	Improving	0.7768
LE3.6	Summer2	BP	Dinoflagellate Biomass	0.1803	1.29E+06	6.58E+07	2.46E+07	37	No Trend	0.9015
LE3.6	Summer2	BP	Cyanobacteria Biomass	0.0000	5.67E+04	3.86E+02	1.08E+06	279038	Degrading	0.9237
LE3.6	Summer2	BP	Chlorophyte Biomass	0.0008	1.87E+05	3.29E+05	3.56E+06	1082	Improving	0.4696
LE3.6	Summer2	BP	Procaryote Biomass	0.0001	1.33E-04	2.66E-06	2.53E-03	95254	Degrading	0.7778
LE3.6	Summer2	BP	Cryptophyte Biomass	0.4828	2.43E+05	1.55E+07	4.62E+06	30	No Trend	0.9888
LE3.6	Summer2	BP	Cyanobacteria Abundance	0.0000	8.90E+03	4.80E+01	1.69E+05	352133	Degrading	0.8148

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
CB6.1	Summer2	BP	Total Abundance	0.4435	5.06E+04	2.98E+06	9.62E+05	32	No Trend	0.6756
CB6.1	Summer2	BP	Total Biomass	0.1530	5.70E+06	1.94E+08	1.08E+08	56	No Trend	0.7712
CB6.1	Summer2	BP	Biomass to Abundance Ratio	0.5208	0.44	58.96	8.34	14	No Trend	0.5739
CB6.1	Summer2	BP	Margalef Diversity Index	0.4192	-0.02	2.22	-0.29	-13	No Trend	0.2740
CB6.1	Summer2	BP	Diatom Biomass	0.0783	4.56E+06	1.20E+08	8.65E+07	72	No Trend	0.7834
CB6.1	Summer2	BP	Dinoflagellate Biomass	0.4192	3.47E+05	9.72E+06	6.59E+06	68	No Trend	0.3179
CB6.1	Summer2	BP	Cyanobacteria Biomass	0.0001	3.88E+04	4.48E+03	7.37E+05	16456	Degrading	0.7278
CB6.1	Summer2	BP	Chlorophyte Biomass	0.0081	8.01E+04	9.33E+04	1.52E+06	1631	Improving	0.7321
CB6.1	Summer2	BP	Procaryote Biomass	0.0003	1.72E-04	1.44E-05	3.26E-03	22648	Degrading	0.6008
CB6.1	Summer2	BP	Cryptophyte Biomass	0.4943	-1.61E+05	1.54E+07	-3.06E+06	-20	No Trend	0.3306
CB6.1	Summer2	BP	Cyanobacteria Abundance	0.0003	7.09E+03	6.08E+02	1.35E+05	22167	Degrading	0.7712
CB6.4	Summer2	BP	Total Abundance	0.0057	1.40E+05	2.42E+06	2.66E+06	110	Increasing	0.6585
CB6.4	Summer2	BP	Total Biomass	0.0202	1.11E+07	1.65E+08	2.10E+08	128	Increasing	0.8329
CB6.4	Summer2	BP	Biomass to Abundance Ratio	0.4796	0.82	64.03	15.58	24	No Trend	0.9695
CB6.4	Summer2	BP	Margalef Diversity Index	0.9517	0.00	2.15	0.02	1	No Trend	0.9023
CB6.4	Summer2	BP	Diatom Biomass	0.0181	6.75E+06	8.39E+07	1.28E+08	153	Improving	0.9854
CB6.4	Summer2	BP	Dinoflagellate Biomass	0.2666	5.65E+05	1.23E+07	1.07E+07	88	No Trend	0.7516
CB6.4	Summer2	BP	Cyanobacteria Biomass	0.0001	3.46E+04	0.00	6.57E+05	N.E.	Degrading	0.2291
CB6.4	Summer2	BP	Chlorophyte Biomass	0.0015	1.50E+05	4.01E+05	2.86E+06	712	Improving	0.3836
CB6.4	Summer2	BP	Procaryote Biomass	0.0004	1.44E-04	0.00	2.73E-03	N.E.	Degrading	0.2949
CB6.4	Summer2	BP	Cryptophyte Biomass	0.0455	4.45E+05	6.22E+06	8.45E+06	136	Increasing	0.5893
CB6.4	Summer2	BP	Cyanobacteria Abundance	0.0001	8.52E+03	8.00E+00	1.62E+05	2024640	Degrading	0.6865
CB7.3E	Summer2	BP	Total Abundance	0.0277	1.74E+05	2.92E+06	3.31E+06	114	Increasing	0.3254
CB7.3E	Summer2	BP	Total Biomass	0.0006	2.12E+07	1.72E+08	4.02E+08	233	Increasing	0.2394
CB7.3E	Summer2	BP	Biomass to Abundance Ratio	0.5051	0.55	79.91	10.44	13	No Trend	0.0707
CB7.3E	Summer2	BP	Margalef Diversity Index	0.3634	-0.02	2.56	-0.30	-12	No Trend	0.0701
CB7.3E	Summer2	BP	Diatom Biomass	0.0044	1.59E+07	1.50E+08	3.02E+08	202	Improving	0.2037
CB7.3E	Summer2	BP	Dinoflagellate Biomass	0.0375	1.39E+06	1.06E+07	2.64E+07	249	Degrading	0.7590
CB7.3E	Summer2	BP	Cyanobacteria Biomass	0.0890	8.11E+02	6.29E+05	1.54E+04	2	No Trend	0.8827
CB7.3E	Summer2	BP	Chlorophyte Biomass	0.0982	1.06E+03	1.17E+05	2.01E+04	17	No Trend	0.7410
CB7.3E	Summer2	BP	Procaryote Biomass	0.1584	2.35E-07	4.37E-03	4.47E-06	0	No Trend	0.8288
CB7.3E	Summer2	BP	Cryptophyte Biomass	0.0413	4.21E+05	5.12E+06	7.99E+06	156	Increasing	0.0215
CB7.3E	Summer2	BP	Cyanobacteria Abundance	0.0789	1.99E+02	1.44E+05	3.78E+03	3	No Trend	0.9796
CB7.4	Summer2	BP	Total Abundance	0.0017	1.84E+05	1.79E+06	3.50E+06	195	Increasing	0.4697
CB7.4	Summer2	BP	Total Biomass	0.0020	1.72E+07	1.46E+08	3.27E+08	223	Increasing	0.9663
CB7.4	Summer2	BP	Biomass to Abundance Ratio	0.7313	0.21	107.78	3.94	4	No Trend	0.3641
CB7.4	Summer2	BP	Margalef Diversity Index	0.0603	-0.03	3.23	-0.56	-17	No Trend	0.0139
CB7.4	Summer2	BP	Diatom Biomass	0.0010	1.40E+07	1.20E+08	2.66E+08	222	Improving	0.7018
CB7.4	Summer2	BP	Dinoflagellate Biomass	0.4548	2.78E+05	1.13E+07	5.28E+06	47	No Trend	0.1147
CB7.4	Summer2	BP	Cyanobacteria Biomass	0.0019	3.91E+04	8.39E+03	7.42E+05	8840	Degrading	0.7023
CB7.4	Summer2	BP	Chlorophyte Biomass	0.0901	1.06E+04	9.57E+04	2.02E+05	211	No Trend	0.2293
CB7.4	Summer2	BP	Procaryote Biomass	0.0132	2.60E-05	9.71E-05	4.95E-04	510	Degrading	0.8611
CB7.4	Summer2	BP	Cryptophyte Biomass	0.0181	2.88E+05	6.28E+06	5.48E+06	87	Increasing	0.6792
CB7.4	Summer2	BP	Cyanobacteria Abundance	0.0043	5.12E+03	3.38E+03	9.73E+04	2877	Degrading	0.8395

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF5.5	Winter	BP	Total Abundance	0.0026	7.66E+05	2.98E+06	1.15E+07	385	Increasing	1.0000
TF5.5	Winter	BP	Total Biomass	0.0000	3.31E+07	6.92E+07	4.97E+08	719	Increasing	0.2078
TF5.5	Winter	BP	Biomass to Abundance Ratio	0.0209	4.27	25.23	64.11	254	Improving	0.4840
TF5.5	Winter	BP	Margalef Diversity Index	0.3272	0.01	1.44	0.18	13	No Trend	0.3629
TF5.5	Winter	BP	Diatom Biomass	0.0006	2.49E+07	5.89E+07	3.73E+08	634	Improving	0.1236
TF5.5	Winter	BP	Dinoflagellate Biomass	0.0551	-3.32E+03	1.15E+06	-4.98E+04	-4	No Trend	0.5412
TF5.5	Winter	BP	Cyanobacteria Biomass	0.0002	4.42E+05	7.31E+04	6.63E+06	9074	Degrading	0.3272
TF5.5	Winter	BP	Chlorophyte Biomass	0.0000	5.21E+06	4.69E+05	7.82E+07	16693	Improving	0.7264
TF5.5	Winter	BP	Procaryote Biomass	0.1416	5.95E-04	1.48E-03	8.93E-03	605	No Trend	0.2078
TF5.5	Winter	BP	Cryptophyte Biomass	0.0251	1.94E+06	3.52E+06	2.90E+07	825	Increasing	0.5288
TF5.5	Winter	BP	Cyanobacteria Abundance	0.0004	1.32E+05	1.02E+05	1.98E+06	1954	Degrading	0.8887
RET5.2	Winter	BP	Total Abundance	0.0188	5.99E+05	3.97E+06	8.99E+06	227	Increasing	0.8472
RET5.2	Winter	BP	Total Biomass	0.0004	6.28E+07	1.47E+08	9.42E+08	639	Increasing	0.5844
RET5.2	Winter	BP	Biomass to Abundance Ratio	0.0188	3.20	25.09	48.02	191	Improving	0.3525
RET5.2	Winter	BP	Margalef Diversity Index	0.1863	0.02	1.72	0.33	19	No Trend	0.3053
RET5.2	Winter	BP	Diatom Biomass	0.0042	4.21E+07	1.41E+08	6.31E+08	448	Improving	0.9981
RET5.2	Winter	BP	Dinoflagellate Biomass	0.9355	0.00	0.00	0.00	N.E.	No Trend	0.0743
RET5.2	Winter	BP	Cyanobacteria Biomass	0.0026	6.78E+05	4.97E+05	1.02E+07	2046	Degrading	0.6620
RET5.2	Winter	BP	Chlorophyte Biomass	0.0000	1.53E+07	1.48E+06	2.30E+08	15517	Improving	0.6123
RET5.2	Winter	BP	Procaryote Biomass	0.1420	4.67E-04	3.68E-03	7.01E-03	190	No Trend	0.5559
RET5.2	Winter	BP	Cryptophyte Biomass	0.0780	1.59E+06	1.05E+07	2.38E+07	227	No Trend	0.6696
RET5.2	Winter	BP	Cyanobacteria Abundance	0.0026	1.87E+05	1.65E+05	2.80E+06	1699	Degrading	0.8868
LE5.5	Winter	BP	Total Abundance	0.4858	-1.06E+05	1.50E+07	-1.91E+06	-13	No Trend	0.9099
LE5.5	Winter	BP	Total Biomass	0.9333	-1.06E+06	6.81E+08	-1.92E+07	-3	No Trend	0.2307
LE5.5	Winter	BP	Biomass to Abundance Ratio	0.3291	1.85	35.90	33.27	93	No Trend	0.4594
LE5.5	Winter	BP	Margalef Diversity Index	0.3291	0.02	2.56	0.40	15	No Trend	0.1022
LE5.5	Winter	BP	Diatom Biomass	0.8019	-3.92E+06	5.33E+08	-7.05E+07	-13	No Trend	0.3059
LE5.5	Winter	BP	Dinoflagellate Biomass	0.0699	3.07E+06	1.79E+07	5.52E+07	309	No Trend	0.8728
LE5.5	Winter	BP	Cyanobacteria Biomass	0.0002	4.45E+04	0.00	8.00E+05	N.E.	Degrading	0.9309
LE5.5	Winter	BP	Chlorophyte Biomass	0.0025	4.67E+04	1.87E+05	8.40E+05	450	Improving	0.7954
LE5.5	Winter	BP	Procaryote Biomass	0.0010	4.63E-05	0.00	8.34E-04	N.E.	Degrading	0.9907
LE5.5	Winter	BP	Cryptophyte Biomass	0.1000	4.01E+05	1.93E+07	7.21E+06	37	No Trend	0.6653
LE5.5	Winter	BP	Cyanobacteria Abundance	0.0003	5.91E+03	0.00	1.06E+05	N.E.	Degrading	0.7454
SBE5	Winter	BP	Total Abundance	0.6173	1.74E+05	3.11E+06	2.61E+06	84	No Trend	0.5229
SBE5	Winter	BP	Total Biomass	0.8476	-2.11E+06	1.51E+08	-3.16E+07	-21	No Trend	0.7405
SBE5	Winter	BP	Biomass to Abundance Ratio	0.3366	-1.40	45.58	-20.93	-46	No Trend	0.9499
SBE5	Winter	BP	Margalef Diversity Index	0.2650	-0.02	3.05	-0.31	-10	No Trend	0.1379
SBE5	Winter	BP	Diatom Biomass	0.7294	-2.92E+06	1.21E+08	-4.37E+07	-36	No Trend	0.8739
SBE5	Winter	BP	Dinoflagellate Biomass	0.8476	-1.09E+05	1.86E+07	-1.63E+06	-9	No Trend	0.0046
SBE5	Winter	BP	Cyanobacteria Biomass	0.0492	6.55E+04	7.27E+04	9.83E+05	1352	Degrading	0.8302
SBE5	Winter	BP	Chlorophyte Biomass	0.0210	2.25E+05	1.98E+04	3.37E+06	17034	Improving	0.4871
SBE5	Winter	BP	Procaryote Biomass	0.0643	1.32E-04	5.57E-04	1.97E-03	354	No Trend	0.5092
SBE5	Winter	BP	Cryptophyte Biomass	0.2994	3.21E+05	5.74E+06	4.81E+06	84	No Trend	0.6444
SBE5	Winter	BP	Cyanobacteria Abundance	0.0039	1.53E+04	1.50E+04	2.30E+05	1533	Degrading	0.3671

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF4.2	Winter	BP	Total Abundance	0.0100	3.27E+05	2.86E+06	4.90E+06	171	Increasing	0.4343
TF4.2	Winter	BP	Total Biomass	0.0125	9.57E+06	3.63E+07	1.44E+08	395	Increasing	0.6896
TF4.2	Winter	BP	Biomass to Abundance Ratio	0.3767	-1.03	27.24	-15.46	-57	No Trend	0.6225
TF4.2	Winter	BP	Margalef Diversity Index	0.2994	-0.02	1.76	-0.32	-18	No Trend	0.6341
TF4.2	Winter	BP	Diatom Biomass	0.0234	6.79E+06	3.18E+07	1.02E+08	320	Improving	0.7799
TF4.2	Winter	BP	Dinoflagellate Biomass	1.0000	0.00	3.66E+05	0.00E+00	0	No Trend	0.1114
TF4.2	Winter	BP	Cyanobacteria Biomass	0.0024	2.71E+05	9.87E+04	4.06E+06	4116	Degrading	0.4636
TF4.2	Winter	BP	Chlorophyte Biomass	0.2047	6.30E+05	1.53E+06	9.45E+06	616	No Trend	0.1898
TF4.2	Winter	BP	Procaryote Biomass	0.0234	1.81E-03	1.97E-03	2.71E-02	1374	Degrading	0.7296
TF4.2	Winter	BP	Cryptophyte Biomass	0.0984	1.16E+06	1.06E+07	1.74E+07	164	No Trend	0.6812
TF4.2	Winter	BP	Cyanobacteria Abundance	0.0001	1.33E+05	9.90E+04	2.00E+06	2021	Degrading	0.9361
RET4.3	Winter	BP	Total Abundance	0.0500	6.17E+05	7.09E+06	9.25E+06	130	No Trend	0.9442
RET4.3	Winter	BP	Total Biomass	0.4414	1.61E+07	5.44E+08	2.41E+08	44	No Trend	0.7795
RET4.3	Winter	BP	Biomass to Abundance Ratio	0.8887	0.25	60.56	3.68	6	No Trend	0.9442
RET4.3	Winter	BP	Margalef Diversity Index	0.6745	-0.02	2.03	-0.26	-13	No Trend	0.6242
RET4.3	Winter	BP	Diatom Biomass	0.7264	4.78E+06	5.06E+08	7.16E+07	14	No Trend	0.5756
RET4.3	Winter	BP	Dinoflagellate Biomass	0.8608	6.37E+03	1.22E+07	9.56E+04	1	No Trend	0.6994
RET4.3	Winter	BP	Cyanobacteria Biomass	0.0588	1.54E+05	1.07E+06	2.32E+06	216	No Trend	0.8887
RET4.3	Winter	BP	Chlorophyte Biomass	0.0106	3.89E+05	3.59E+05	5.84E+06	1625	Improving	0.8052
RET4.3	Winter	BP	Procaryote Biomass	0.1416	1.99E-04	1.49E-03	2.99E-03	201	No Trend	0.5756
RET4.3	Winter	BP	Cryptophyte Biomass	0.0173	1.28E+06	9.57E+06	1.92E+07	201	Increasing	0.8337
RET4.3	Winter	BP	Cyanobacteria Abundance	0.0051	6.52E+04	3.59E+04	9.77E+05	2725	Degrading	0.8337
WE4.2	Winter	BP	Total Abundance	0.6637	-9.47E+04	9.16E+06	-1.70E+06	-19	No Trend	0.0679
WE4.2	Winter	BP	Total Biomass	0.0678	2.22E+07	3.64E+08	4.00E+08	110	No Trend	0.2231
WE4.2	Winter	BP	Biomass to Abundance Ratio	0.0028	5.20	40.08	93.69	234	Improving	0.8632
WE4.2	Winter	BP	Margalef Diversity Index	0.7942	0.01	2.58	0.10	4	No Trend	0.9948
WE4.2	Winter	BP	Diatom Biomass	0.2835	1.66E+07	2.99E+08	2.98E+08	100	No Trend	0.4493
WE4.2	Winter	BP	Dinoflagellate Biomass	0.0028	4.44E+06	1.88E+07	7.99E+07	425	Degrading	0.5167
WE4.2	Winter	BP	Cyanobacteria Biomass	0.0035	3.53E+04	0.00	6.35E+05	N.E.	Degrading	0.5087
WE4.2	Winter	BP	Chlorophyte Biomass	0.0125	3.61E+04	0.00	6.50E+05	N.E.	Improving	0.8457
WE4.2	Winter	BP	Procaryote Biomass	0.0062	3.35E-05	0.00	6.03E-04	N.E.	Degrading	0.6183
WE4.2	Winter	BP	Cryptophyte Biomass	0.0256	6.63E+05	6.08E+06	1.19E+07	196	Increasing	0.4397
WE4.2	Winter	BP	Cyanobacteria Abundance	0.0045	3.89E+03	8.29E+03	7.01E+04	845	Degrading	0.5540

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
TF3.3	Winter	BP	Total Abundance	0.0002	5.47E+05	3.64E+06	8.20E+06	226	Increasing	0.6891
TF3.3	Winter	BP	Total Biomass	0.0012	2.28E+07	1.16E+08	3.42E+08	295	Increasing	0.0678
TF3.3	Winter	BP	Biomass to Abundance Ratio	0.1863	1.47	28.99	21.98	76	No Trend	0.5509
TF3.3	Winter	BP	Margalef Diversity Index	0.3783	0.01	1.50	0.17	11	No Trend	0.9058
TF3.3	Winter	BP	Diatom Biomass	0.0016	1.37E+07	1.01E+08	2.05E+08	202	Improving	0.0402
TF3.3	Winter	BP	Dinoflagellate Biomass	0.3409	0.00	1.92E+05	0.00E+00	0	No Trend	0.9481
TF3.3	Winter	BP	Cyanobacteria Biomass	0.0332	4.38E+05	1.16E+06	6.58E+06	564	Degrading	0.3982
TF3.3	Winter	BP	Chlorophyte Biomass	0.0020	9.97E+05	6.13E+05	1.50E+07	2439	Improving	0.7190
TF3.3	Winter	BP	Procaryote Biomass	0.4628	4.62E-04	1.39E-02	6.94E-03	50	No Trend	0.3196
TF3.3	Winter	BP	Cryptophyte Biomass	0.1231	1.06E+06	4.99E+06	1.59E+07	318	No Trend	0.7157
TF3.3	Winter	BP	Cyanobacteria Abundance	0.0007	2.20E+05	1.49E+05	3.30E+06	2209	Degrading	0.8434
RET3.1	Winter	BP	Total Abundance	0.0913	3.27E+05	6.95E+06	4.91E+06	71	No Trend	0.8158
RET3.1	Winter	BP	Total Biomass	0.0563	1.85E+07	2.67E+08	2.78E+08	104	No Trend	0.2915
RET3.1	Winter	BP	Biomass to Abundance Ratio	0.1420	1.68	32.36	25.16	78	No Trend	0.4607
RET3.1	Winter	BP	Margalef Diversity Index	0.0276	0.03	1.45	0.47	32	Improving	0.2848
RET3.1	Winter	BP	Diatom Biomass	0.1863	1.20E+07	2.39E+08	1.80E+08	75	No Trend	0.2410
RET3.1	Winter	BP	Dinoflagellate Biomass	0.8532	0.00	7.07E+06	0.00E+00	0	No Trend	0.4748
RET3.1	Winter	BP	Cyanobacteria Biomass	0.3398	4.59E+04	5.99E+05	6.89E+05	115	No Trend	0.9211
RET3.1	Winter	BP	Chlorophyte Biomass	0.0001	5.47E+05	2.06E+04	8.20E+06	39791	Improving	0.8380
RET3.1	Winter	BP	Procaryote Biomass	0.5569	-2.33E-04	1.96E-02	-3.49E-03	-18	No Trend	0.5853
RET3.1	Winter	BP	Cryptophyte Biomass	0.1231	1.09E+06	8.12E+06	1.64E+07	202	No Trend	0.7157
RET3.1	Winter	BP	Cyanobacteria Abundance	0.0154	4.21E+04	5.03E+04	6.31E+05	1255	Degrading	0.3633
LE3.6	Winter	BP	Total Abundance	0.3065	1.64E+05	1.03E+07	2.94E+06	29	No Trend	0.6325
LE3.6	Winter	BP	Total Biomass	0.2065	1.83E+07	4.99E+08	3.30E+08	66	No Trend	0.7476
LE3.6	Winter	BP	Biomass to Abundance Ratio	0.4342	1.09	54.51	19.61	36	No Trend	0.7235
LE3.6	Winter	BP	Margalef Diversity Index	0.4342	-0.02	2.35	-0.28	-12	No Trend	0.3148
LE3.6	Winter	BP	Diatom Biomass	0.3997	1.27E+07	4.65E+08	2.29E+08	49	No Trend	0.9439
LE3.6	Winter	BP	Dinoflagellate Biomass	0.0000	2.37E+06	1.33E+07	4.27E+07	321	Degrading	0.3770
LE3.6	Winter	BP	Cyanobacteria Biomass	0.0023	7.05E+04	5.10E+03	1.27E+06	24891	Degrading	0.2593
LE3.6	Winter	BP	Chlorophyte Biomass	0.0601	7.74E+02	1.87E+05	1.39E+04	7	No Trend	0.6859
LE3.6	Winter	BP	Procaryote Biomass	0.0176	7.06E-05	1.49E-05	1.27E-03	8498	Degrading	0.2999
LE3.6	Winter	BP	Cryptophyte Biomass	0.1107	3.87E+05	1.43E+07	6.96E+06	49	No Trend	0.0639
LE3.6	Winter	BP	Cyanobacteria Abundance	0.0067	5.23E+03	6.40E+01	9.41E+04	146986	Degrading	0.6984

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Absolute Change	Percent Change	Direction	Homogeneity test P value
CB6.1	Winter	BP	Total Abundance	0.0711	-2.91E+05	9.61E+06	-5.24E+06	-55	No Trend	0.1556
CB6.1	Winter	BP	Total Biomass	0.3065	-1.35E+07	7.34E+08	-2.43E+08	-33	No Trend	0.5473
CB6.1	Winter	BP	Biomass to Abundance Ratio	0.4704	1.15	58.12	20.75	36	No Trend	0.0441
CB6.1	Winter	BP	Margalef Diversity Index	0.2289	-0.02	2.19	-0.42	-19	No Trend	0.7267
CB6.1	Winter	BP	Diatom Biomass	0.1178	-1.59E+07	6.74E+08	-2.87E+08	-43	No Trend	0.5554
CB6.1	Winter	BP	Dinoflagellate Biomass	0.1326	1.34E+06	2.01E+07	2.41E+07	120	No Trend	0.4105
CB6.1	Winter	BP	Cyanobacteria Biomass	0.0135	1.23E+03	0.00	2.21E+04	N.E.	Degrading	0.4403
CB6.1	Winter	BP	Chlorophyte Biomass	0.6908	0.00	1.89E+05	0.00E+00	0	No Trend	0.3919
CB6.1	Winter	BP	Procaryote Biomass	0.0207	1.24E-06	0.00	2.24E-05	N.E.	Degrading	0.3045
CB6.1	Winter	BP	Cryptophyte Biomass	0.8568	5.16E+04	1.93E+07	9.29E+05	5	No Trend	0.4008
CB6.1	Winter	BP	Cyanobacteria Abundance	0.0145	2.50E+03	0.00	4.49E+04	N.E.	Degrading	0.4316
CB6.4	Winter	BP	Total Abundance	0.2769	-1.60E+05	6.59E+06	-2.88E+06	-44	No Trend	0.4565
CB6.4	Winter	BP	Total Biomass	0.8453	3.93E+06	1.12E+09	7.07E+07	6	No Trend	0.5517
CB6.4	Winter	BP	Biomass to Abundance Ratio	0.1120	2.41	119.77	43.44	36	No Trend	0.0861
CB6.4	Winter	BP	Margalef Diversity Index	0.2096	0.02	2.17	0.45	21	No Trend	0.9802
CB6.4	Winter	BP	Diatom Biomass	0.9778	-1.84E+06	1.08E+09	-3.32E+07	-3	No Trend	0.5579
CB6.4	Winter	BP	Dinoflagellate Biomass	0.0049	2.38E+06	1.53E+07	4.28E+07	280	Degrading	0.4464
CB6.4	Winter	BP	Cyanobacteria Biomass	0.0001	1.55E+04	0.00	2.80E+05	N.E.	Degrading	0.8560
CB6.4	Winter	BP	Chlorophyte Biomass	0.0765	7.97E+02	3.73E+05	1.44E+04	4	No Trend	0.5770
CB6.4	Winter	BP	Procaryote Biomass	0.0000	4.80E-05	0.00	8.64E-04	N.E.	Degrading	0.7358
CB6.4	Winter	BP	Cryptophyte Biomass	0.3291	1.37E+05	8.71E+06	2.46E+06	28	No Trend	0.8771
CB6.4	Winter	BP	Cyanobacteria Abundance	0.0001	2.62E+03	0.00	4.71E+04	N.E.	Degrading	0.7622
CB7.3E	Winter	BP	Total Abundance	0.0985	-9.74E+04	6.04E+06	-1.75E+06	-29	No Trend	0.4834
CB7.3E	Winter	BP	Total Biomass	0.7063	-2.91E+06	3.00E+08	-5.23E+07	-17	No Trend	0.3501
CB7.3E	Winter	BP	Biomass to Abundance Ratio	0.6637	-0.67	67.09	-12.14	-18	No Trend	0.0705
CB7.3E	Winter	BP	Margalef Diversity Index	0.2583	-0.03	3.05	-0.46	-15	No Trend	0.0621
CB7.3E	Winter	BP	Diatom Biomass	0.6637	-2.64E+06	2.79E+08	-4.76E+07	-17	No Trend	0.4512
CB7.3E	Winter	BP	Dinoflagellate Biomass	0.1731	6.43E+05	2.94E+07	1.16E+07	39	No Trend	0.2775
CB7.3E	Winter	BP	Cyanobacteria Biomass	0.0044	3.37E+04	0.00	6.07E+05	N.E.	Degrading	0.4016
CB7.3E	Winter	BP	Chlorophyte Biomass	0.6019	0.00	2.40E+03	0.00E+00	0	No Trend	0.9593
CB7.3E	Winter	BP	Procaryote Biomass	0.0086	5.14E-05	0.00	9.24E-04	N.E.	Degrading	0.3651
CB7.3E	Winter	BP	Cryptophyte Biomass	0.3535	3.44E+05	6.33E+06	6.20E+06	98	No Trend	0.8887
CB7.3E	Winter	BP	Cyanobacteria Abundance	0.0165	4.44E+03	0.00	7.99E+04	N.E.	Degrading	0.5373
CB7.4	Winter	BP	Total Abundance	0.8453	1.78E+04	4.71E+06	3.21E+05	7	No Trend	0.5256
CB7.4	Winter	BP	Total Biomass	0.1719	1.54E+07	2.38E+08	2.77E+08	116	No Trend	0.8002
CB7.4	Winter	BP	Biomass to Abundance Ratio	0.1900	3.79	72.89	68.22	94	No Trend	0.6756
CB7.4	Winter	BP	Margalef Diversity Index	0.7591	0.00	2.89	0.07	2	No Trend	0.1082
CB7.4	Winter	BP	Diatom Biomass	0.0617	1.62E+07	1.96E+08	2.92E+08	149	No Trend	0.5797
CB7.4	Winter	BP	Dinoflagellate Biomass	0.1900	6.04E+05	4.82E+06	1.09E+07	226	No Trend	0.5566
CB7.4	Winter	BP	Cyanobacteria Biomass	0.0009	5.81E+02	0.00	1.05E+04	N.E.	Degrading	0.5537
CB7.4	Winter	BP	Chlorophyte Biomass	0.6852	0.00	7.46E+05	0.00E+00	0	No Trend	0.0841
CB7.4	Winter	BP	Procaryote Biomass	0.0009	2.50E-06	0.00	4.49E-05	N.E.	Degrading	0.4758
CB7.4	Winter	BP	Cryptophyte Biomass	0.4516	1.78E+05	9.15E+06	3.21E+06	35	No Trend	0.1997
CB7.4	Winter	BP	Cyanobacteria Abundance	0.0052	6.40E+01	1.60E+01	1.15E+03	7200	Degrading	0.5838

Appendix F - Scatterplots of phytoplankton bioindicators

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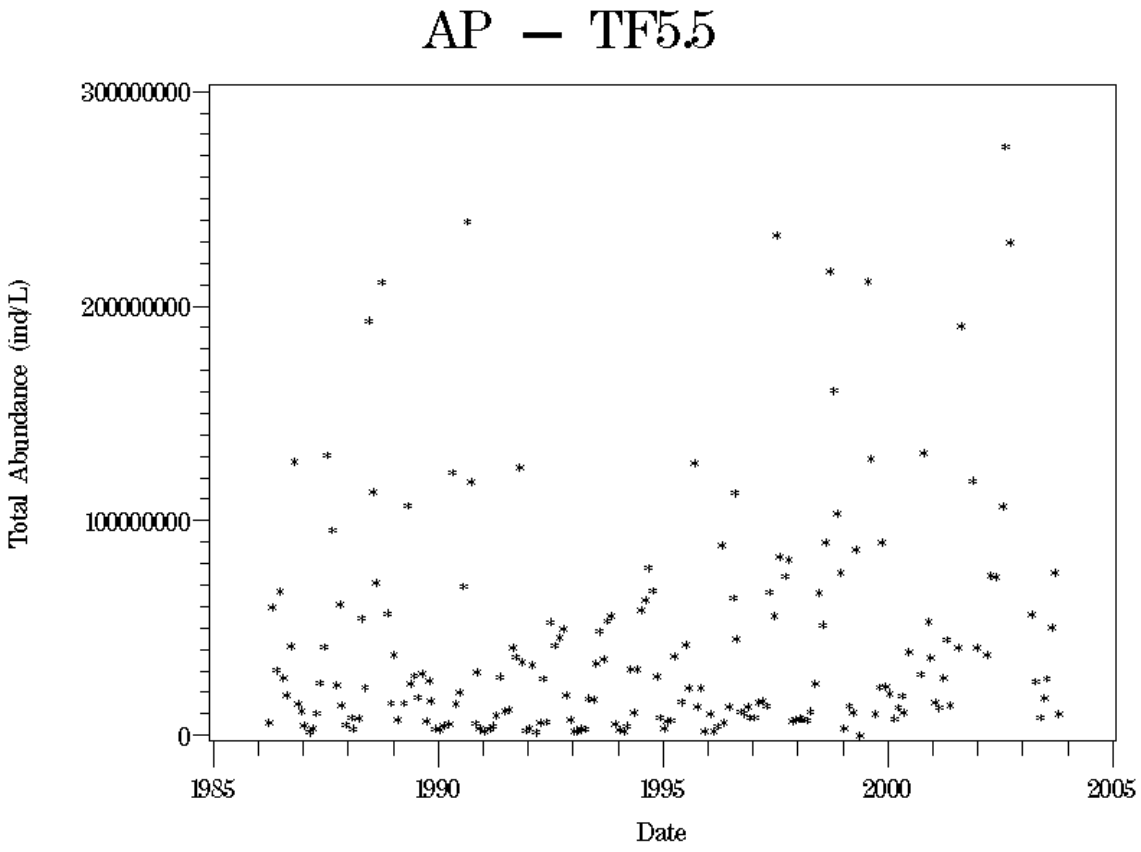


Figure F1. Plot of above pycnocline total phytoplankton abundance against time at station TF5.5 for the period of 1985 through 2003.

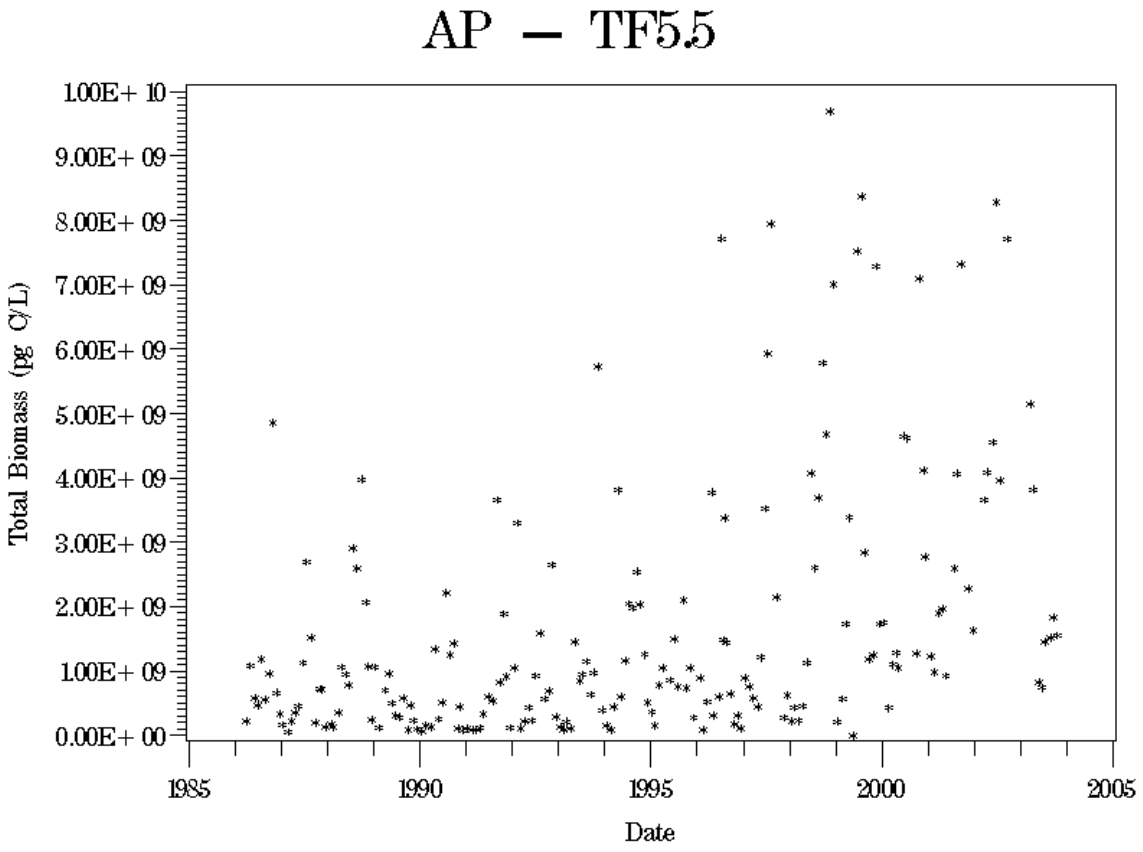


Figure F2. Plot of above pycnocline total phytoplankton biomass against time at station TF5.5 for the period of 1985 through 2003.

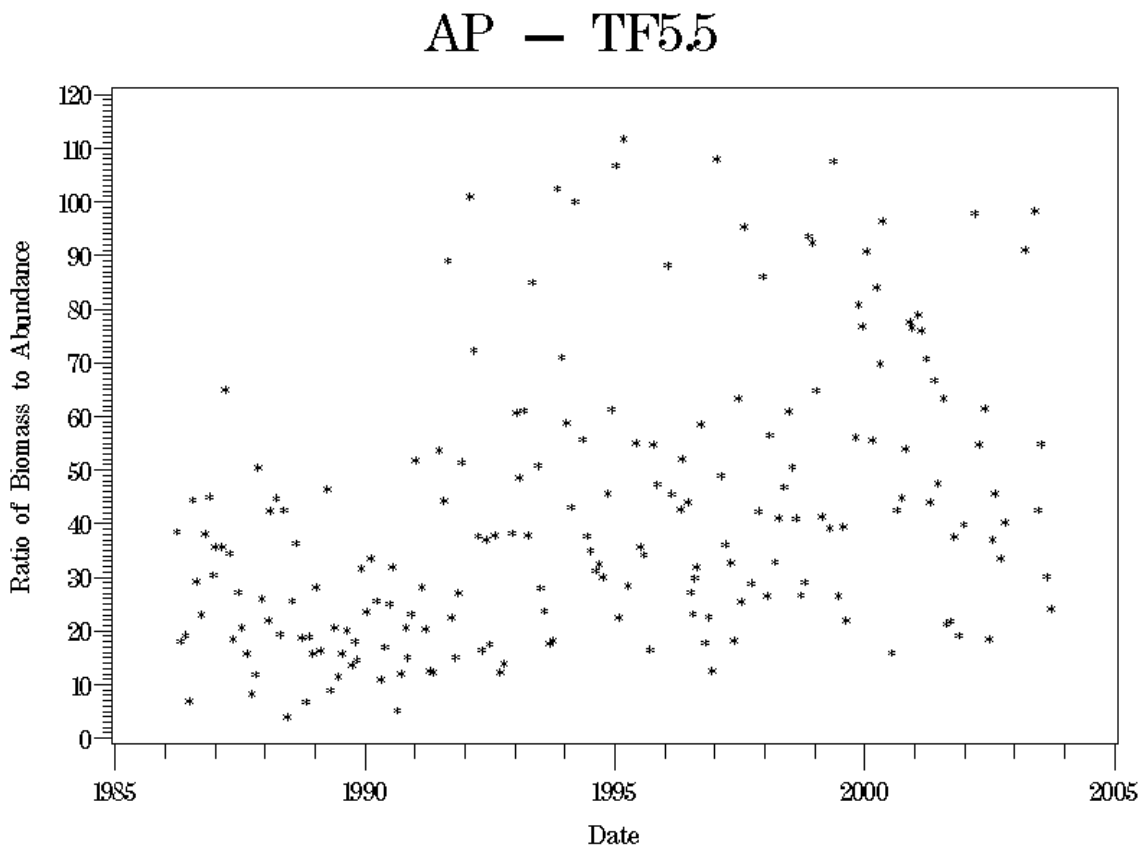


Figure F3. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station TF5.5 for the period of 1985 through 2003.

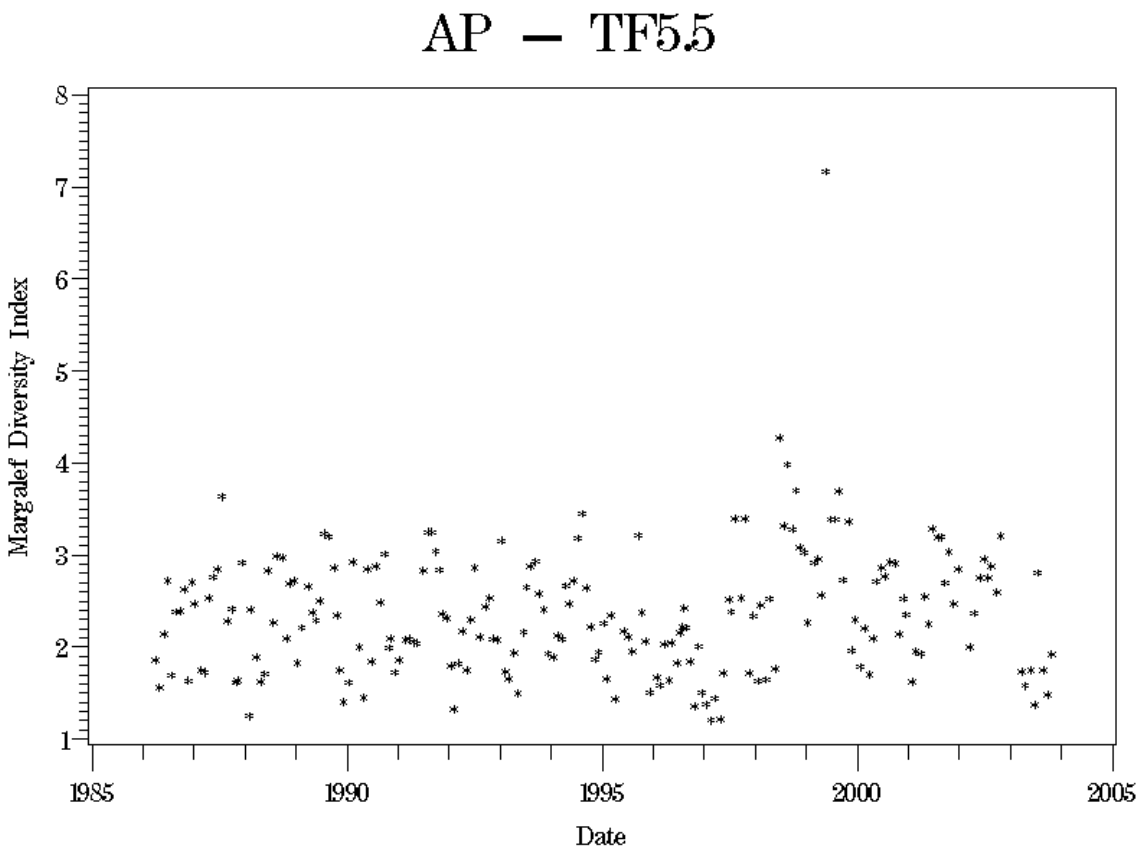


Figure F4. Plot of above pycnocline Margalef diversity index against time at station TF5.5 for the period of 1985 through 2003.

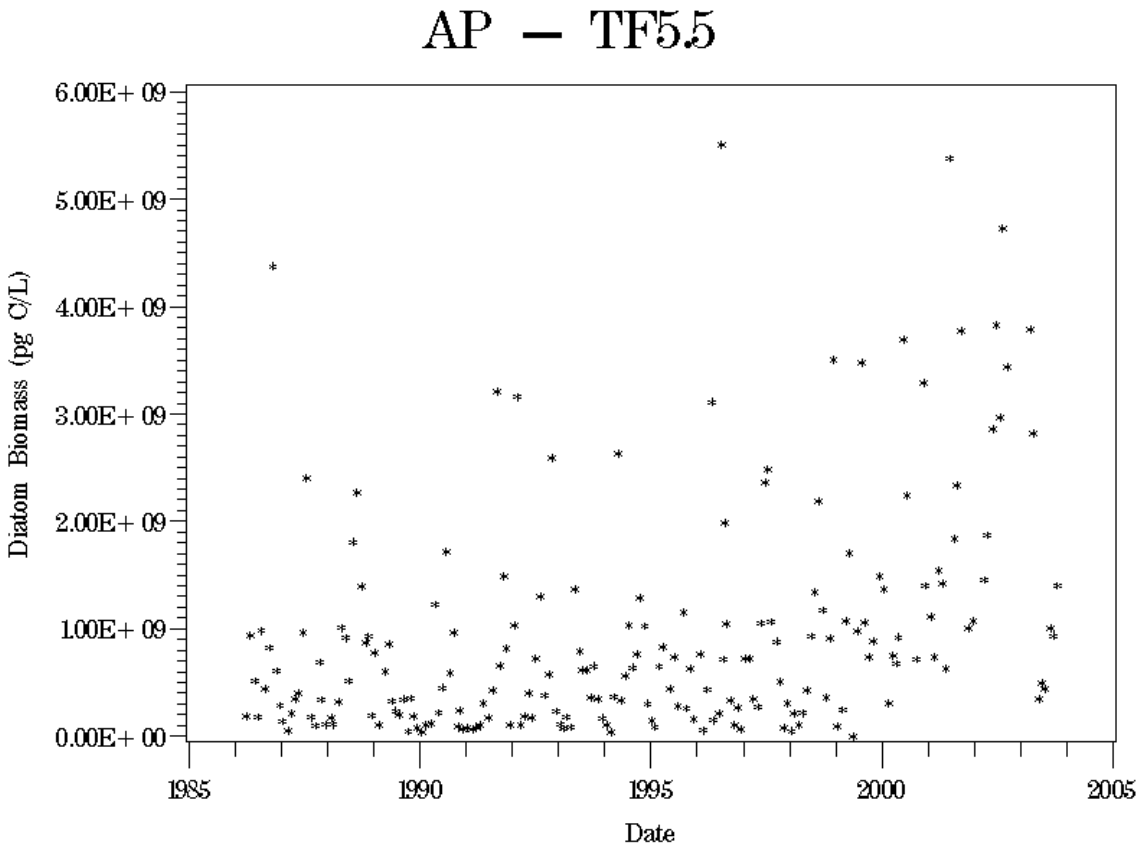


Figure F5. Plot of above pycnocline diatom biomass against time at station TF5.5 for the period of 1985 through 2003.

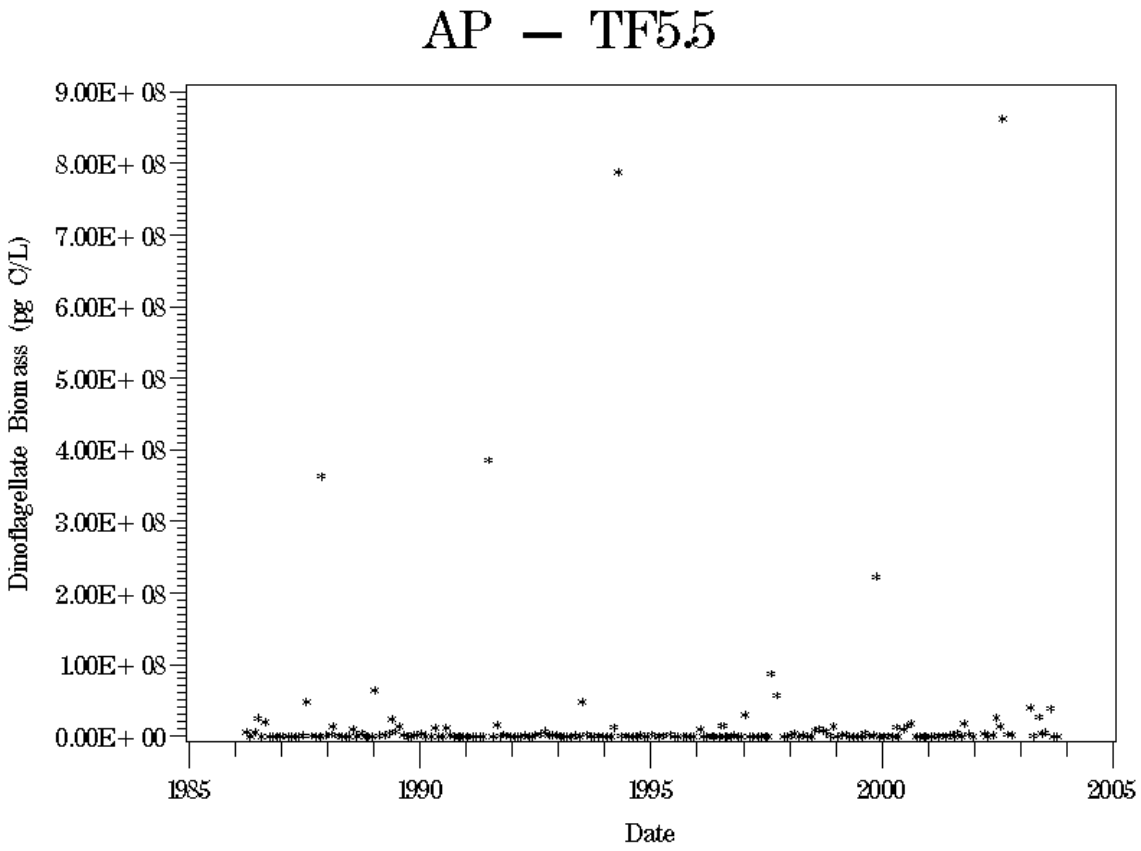


Figure F6. Plot of above pycnocline dinoflagellate biomass against time at station TF5.5 for the period of 1985 through 2003.

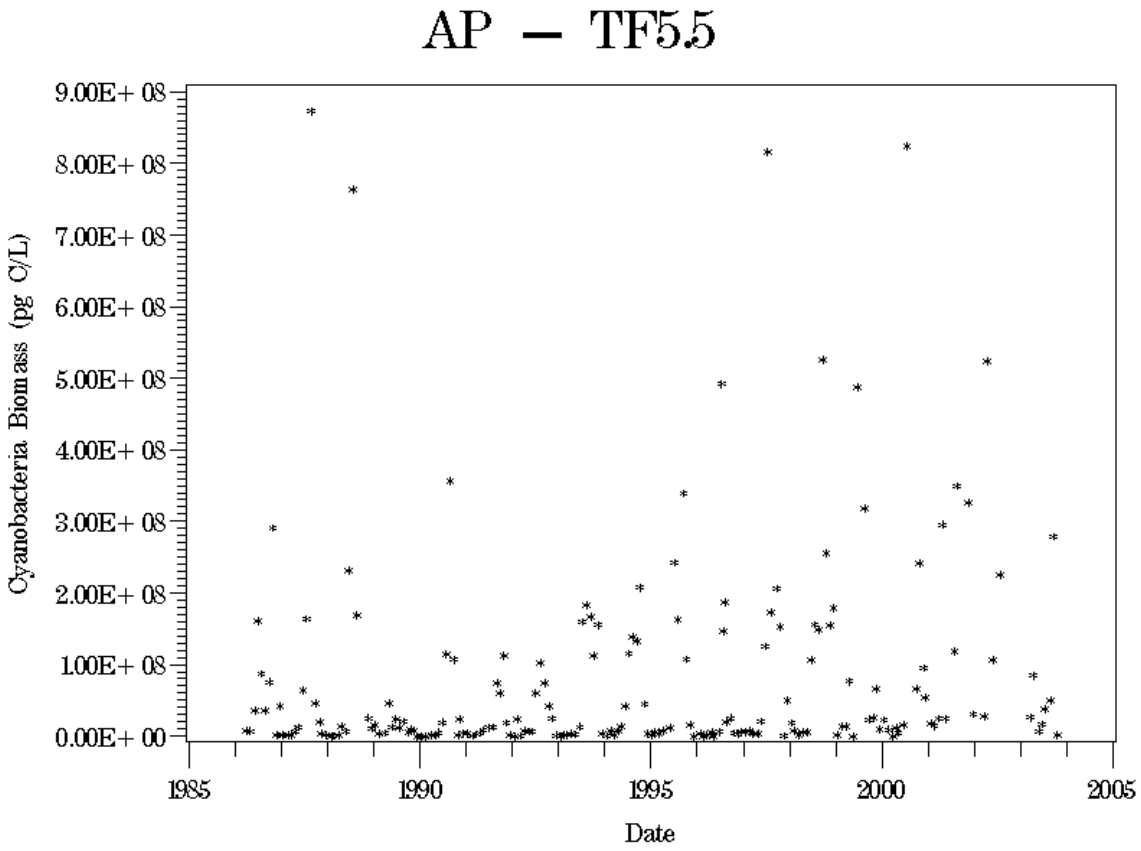


Figure F7. Plot of above pycnocline cyanobacteria biomass against time at station TF5.5 for the period of 1985 through 2003.

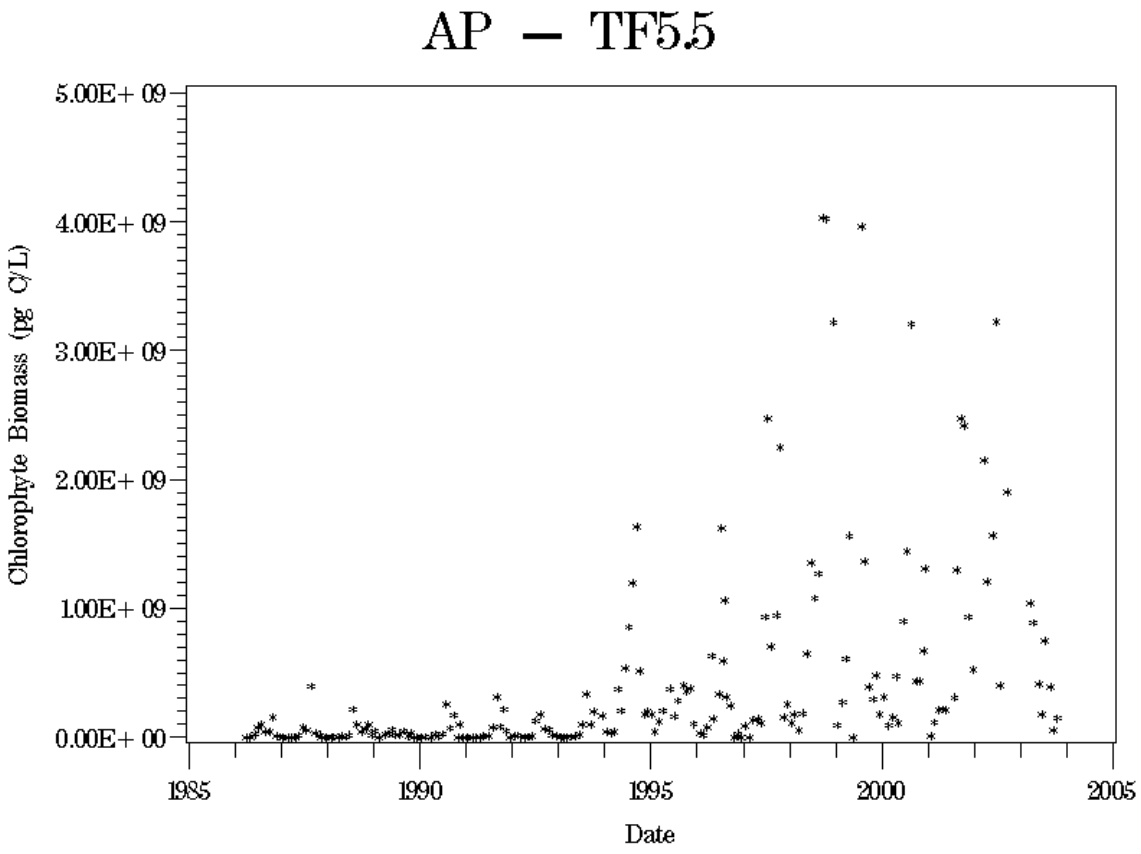


Figure F8. Plot of above pycnocline chlorophyte biomass against time at station TF5.5 for the period of 1985 through 2003.

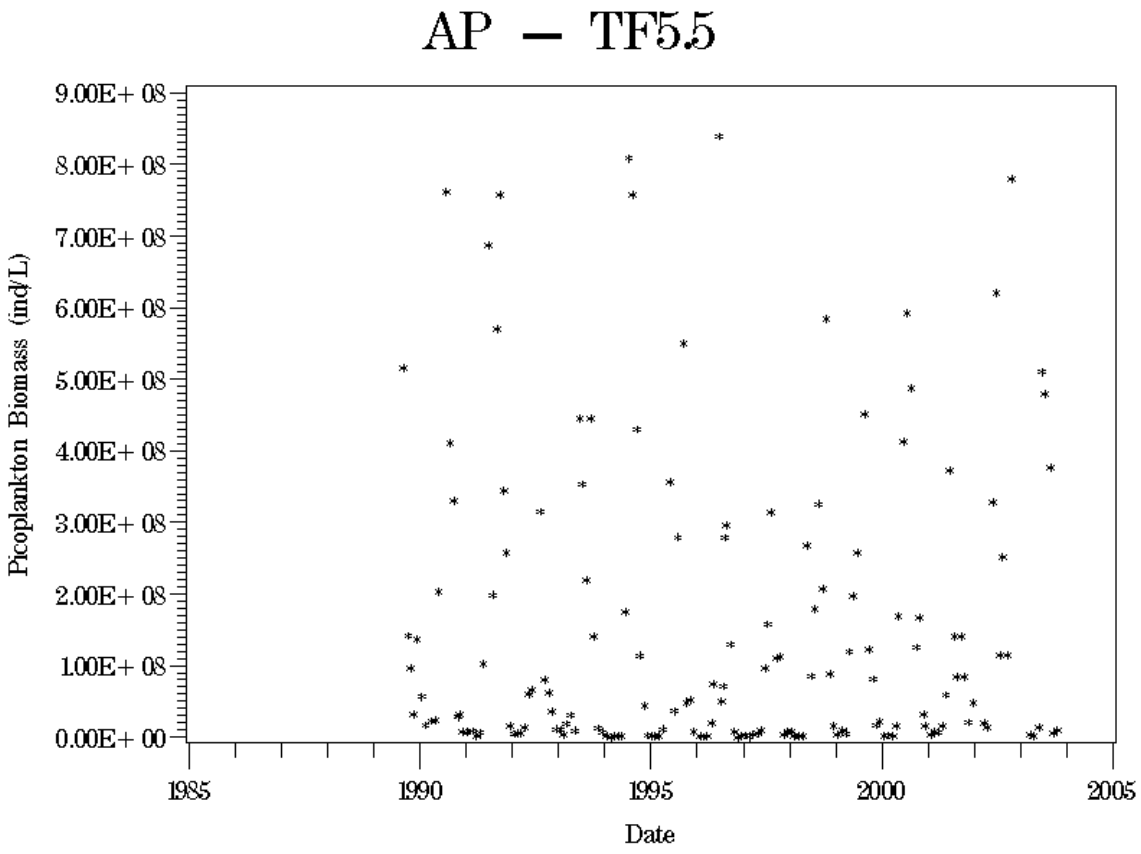


Figure F9. Plot of above pycnocline picoplankton biomass against time at station TF5.5 for the period of 1985 through 2003.

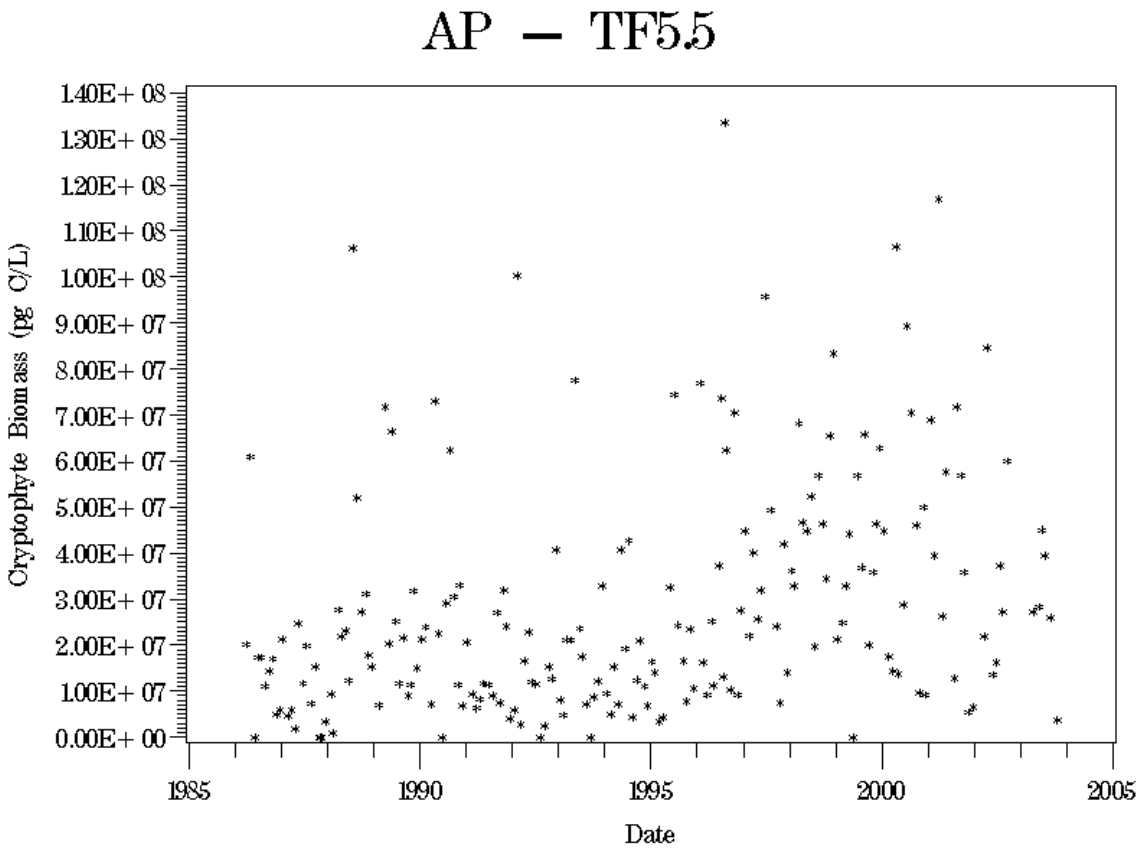


Figure Fl0. Plot of above pycnocline cryptophyte biomass at station TF5.5 for the period of 1985 through 2003.

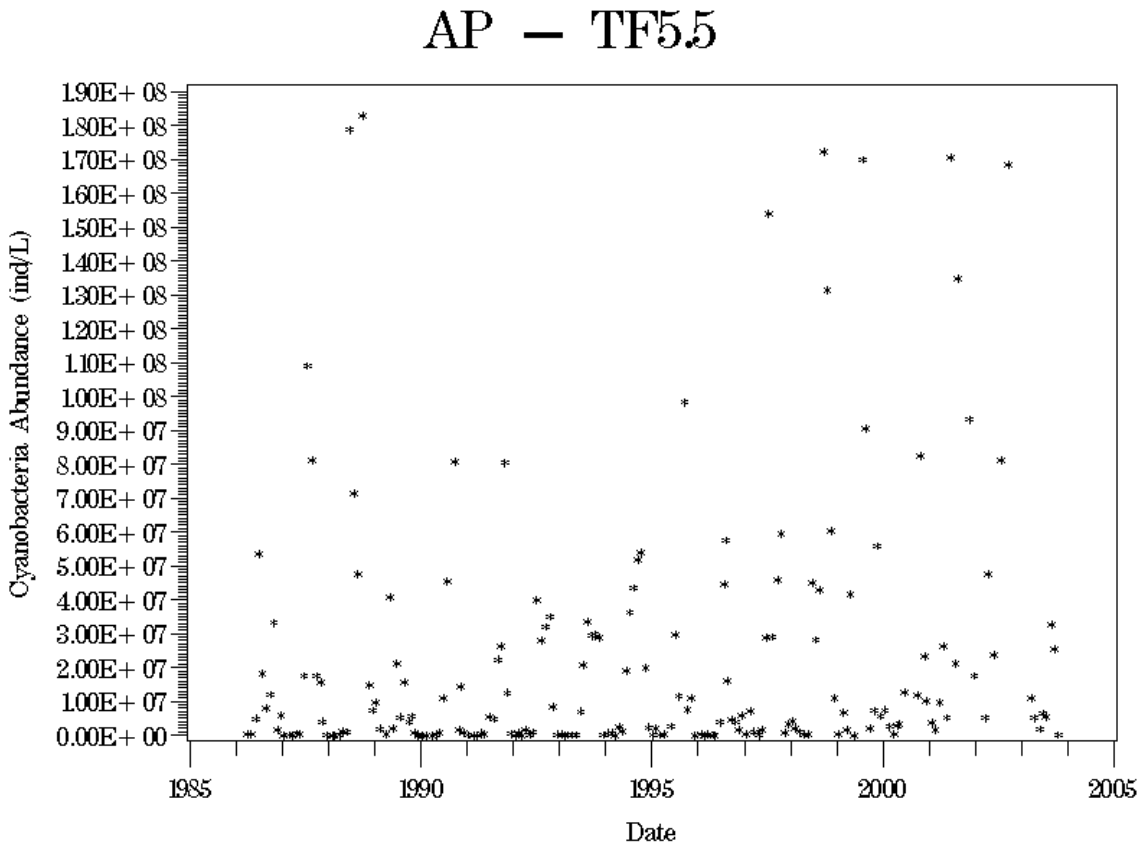


Figure Fl1. Plot of above pycnocline cyanophyte abundance at station TF5.5 for the period of 1985 through 2003.

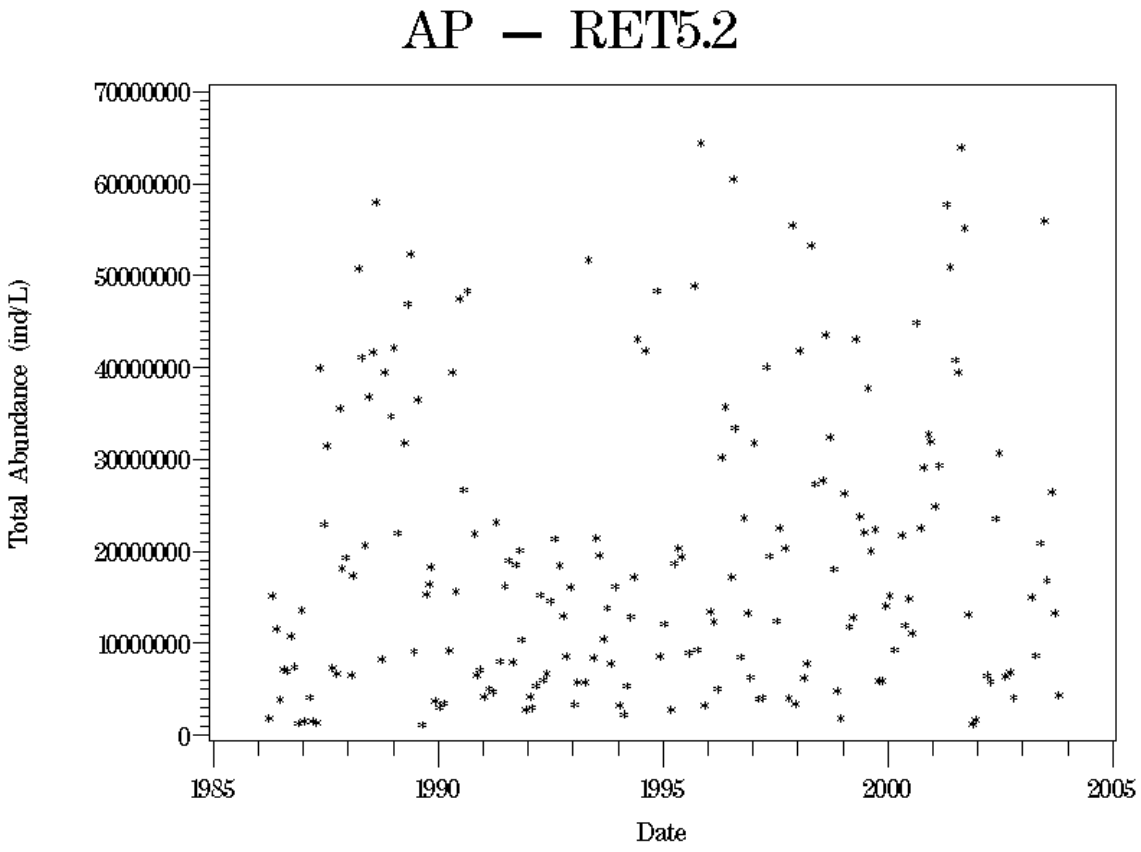


Figure F12. Plot of above pycnocline total phytoplankton abundance against time at station RET5.2 for the period of 1985 through 2003.

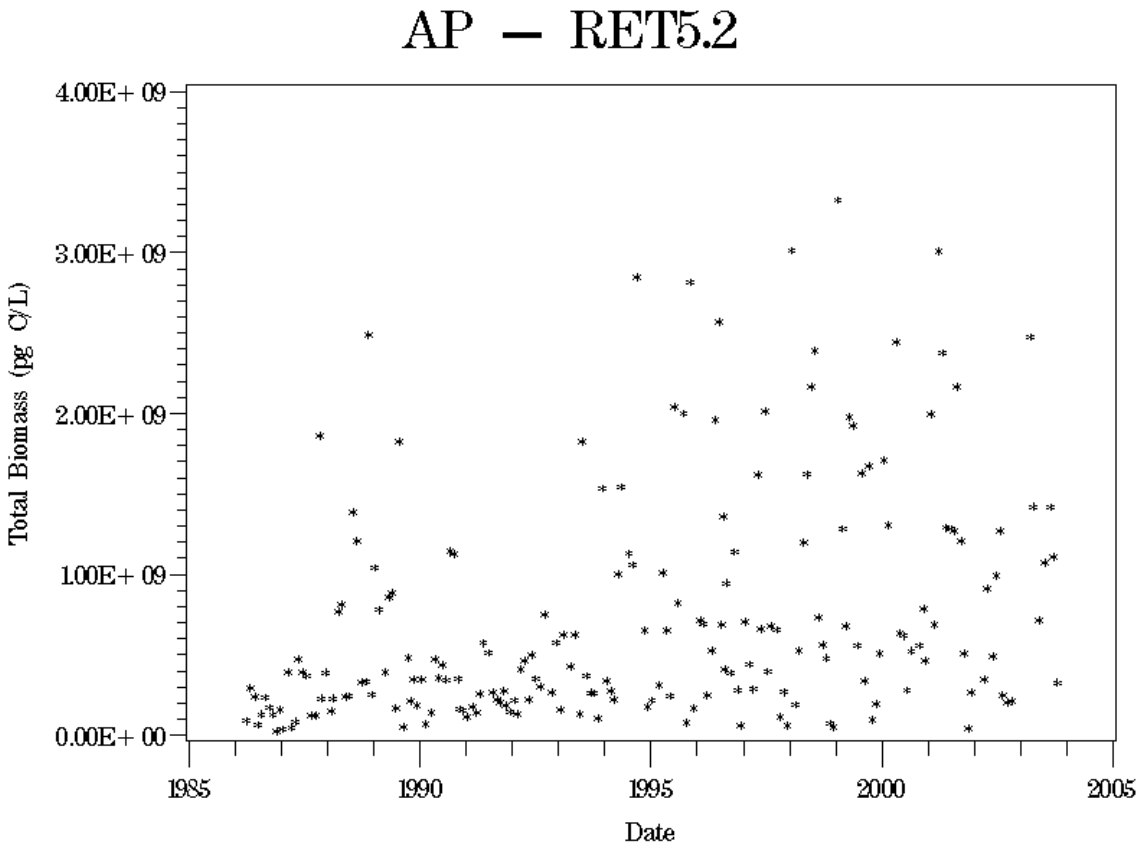


Figure F13. Plot of above pycnocline total phytoplankton biomass against time at station RET5.2 for the period of 1985 through 2003.

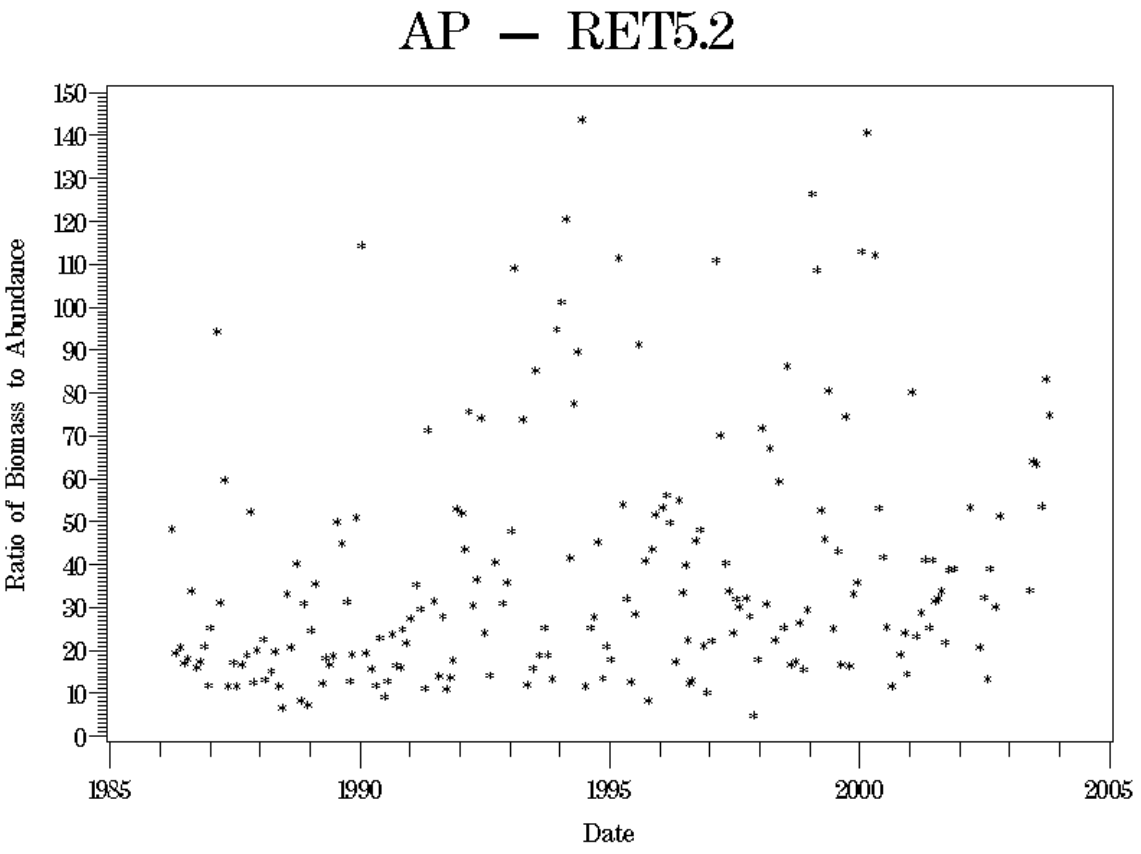


Figure F14. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station RET5.2 for the period of 1985 through 2003.

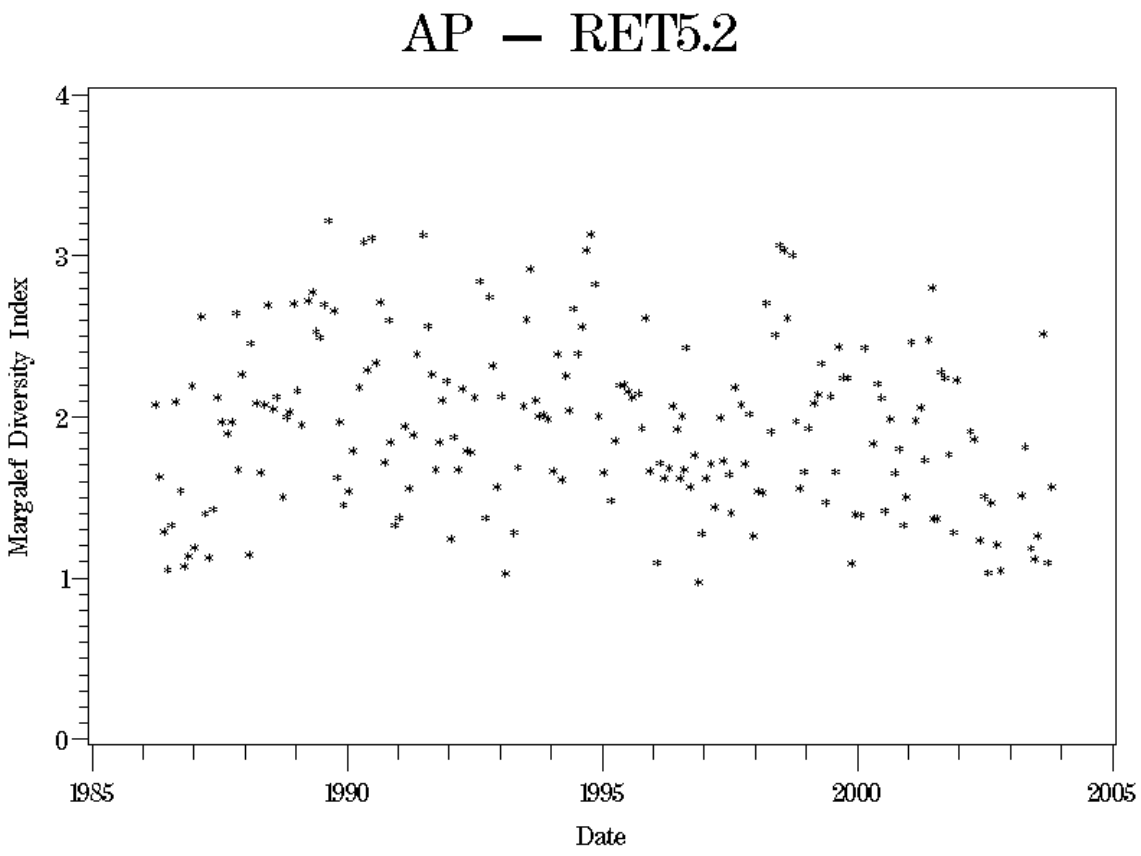


Figure F15. Plot of above pycnocline Margalef diversity index against time at station RET5.2 for the period of 1985 through 2003.

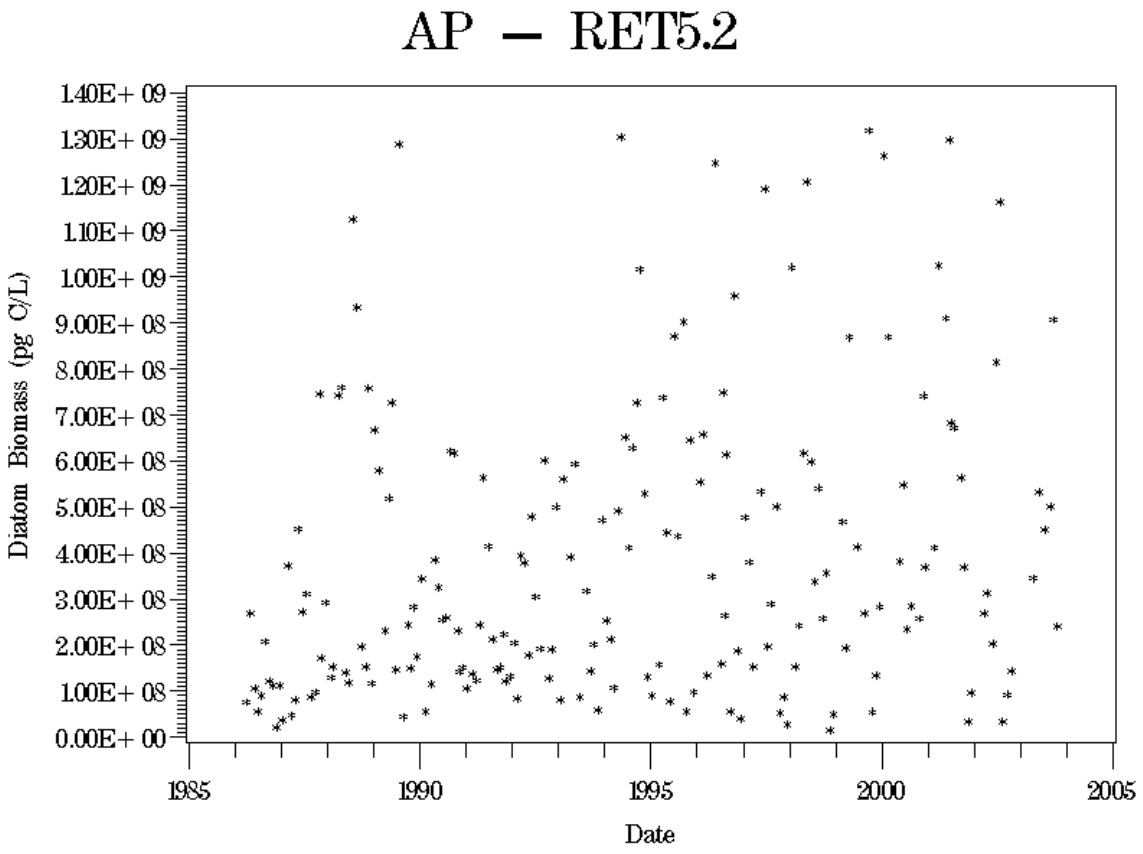


Figure F16. Plot of above pycnocline diatom biomass against time at station RET5.2 for the period of 1985 through 2003.

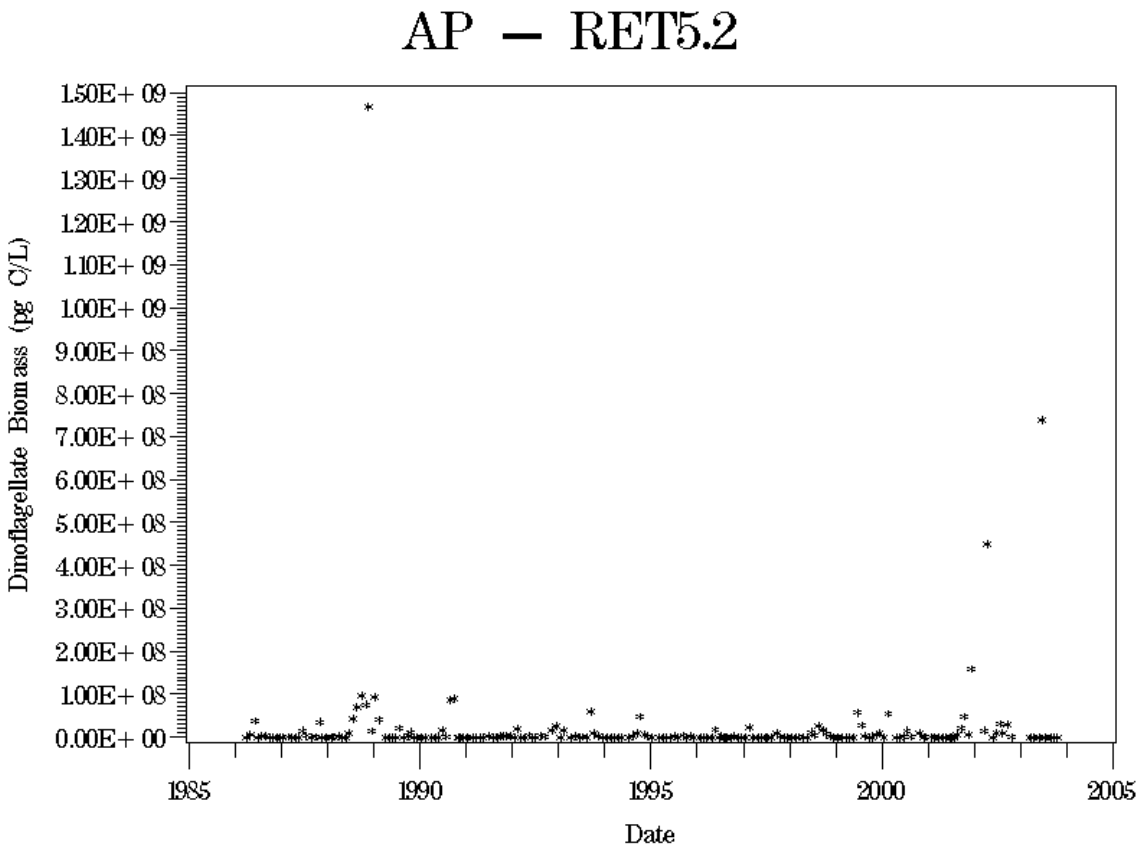


Figure F17. Plot of above pycnocline dinoflagellate biomass against time at station RET5.2 for the period of 1985 through 2003.

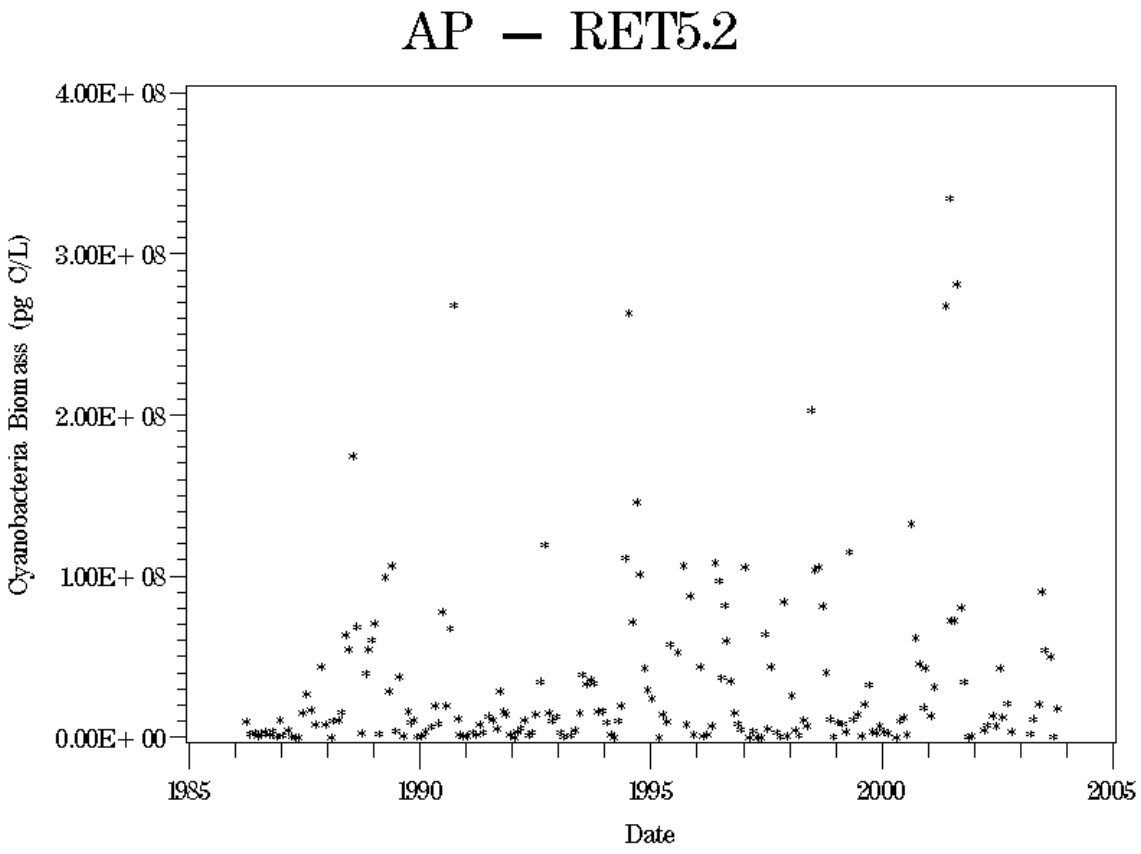


Figure F18. Plot of above pycnocline cyanobacteria biomass against time at station RET5.2 for the period of 1985 through 2003.

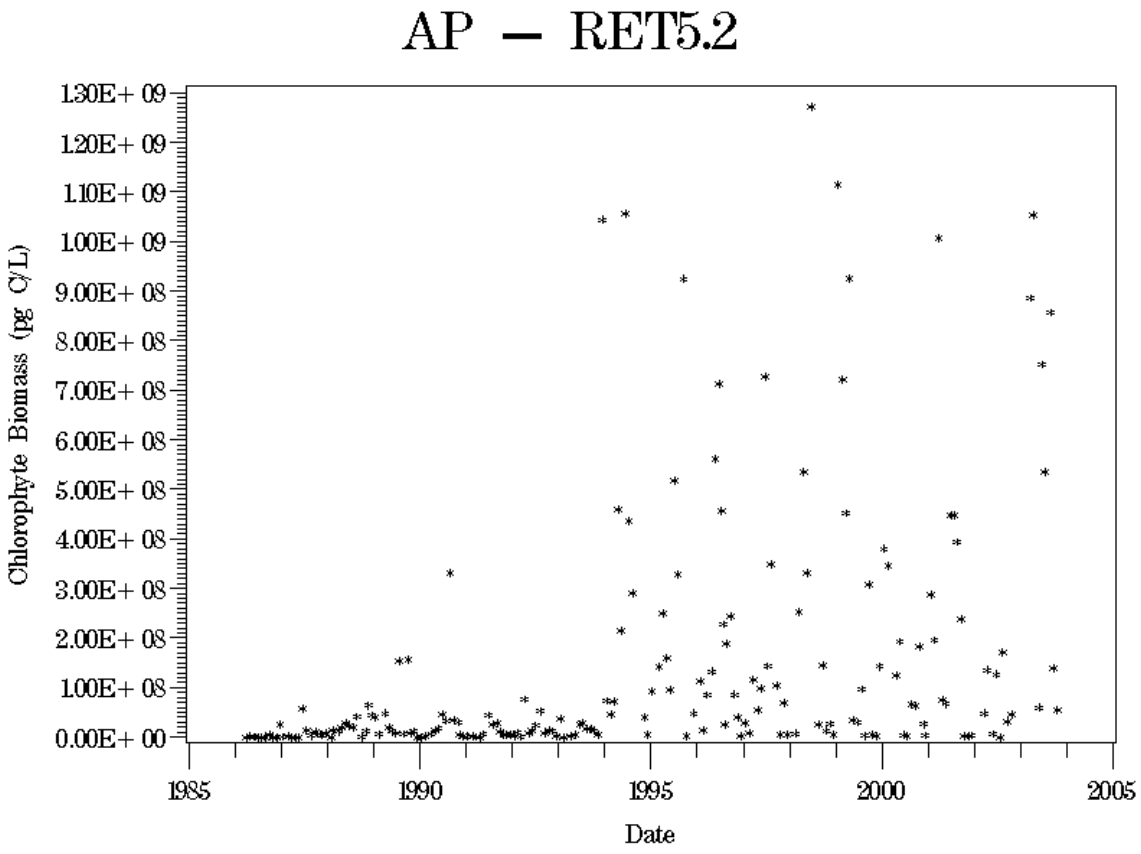


Figure F19. Plot of above pycnocline chlorophyte biomass against time at station RET5.2 for the period of 1985 through 2003.

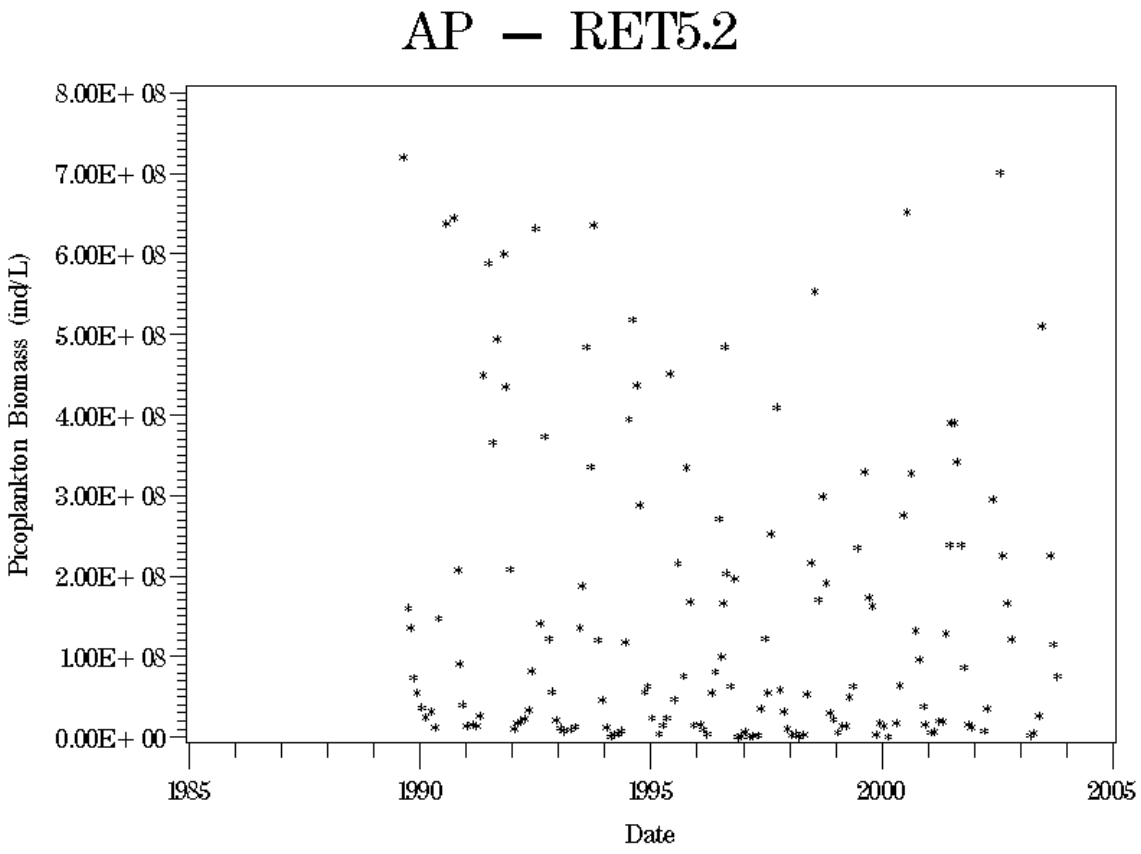


Figure F20. Plot of above pycnocline picoplankton biomass against time at station RET5.2 for the period of 1985 through 2003.

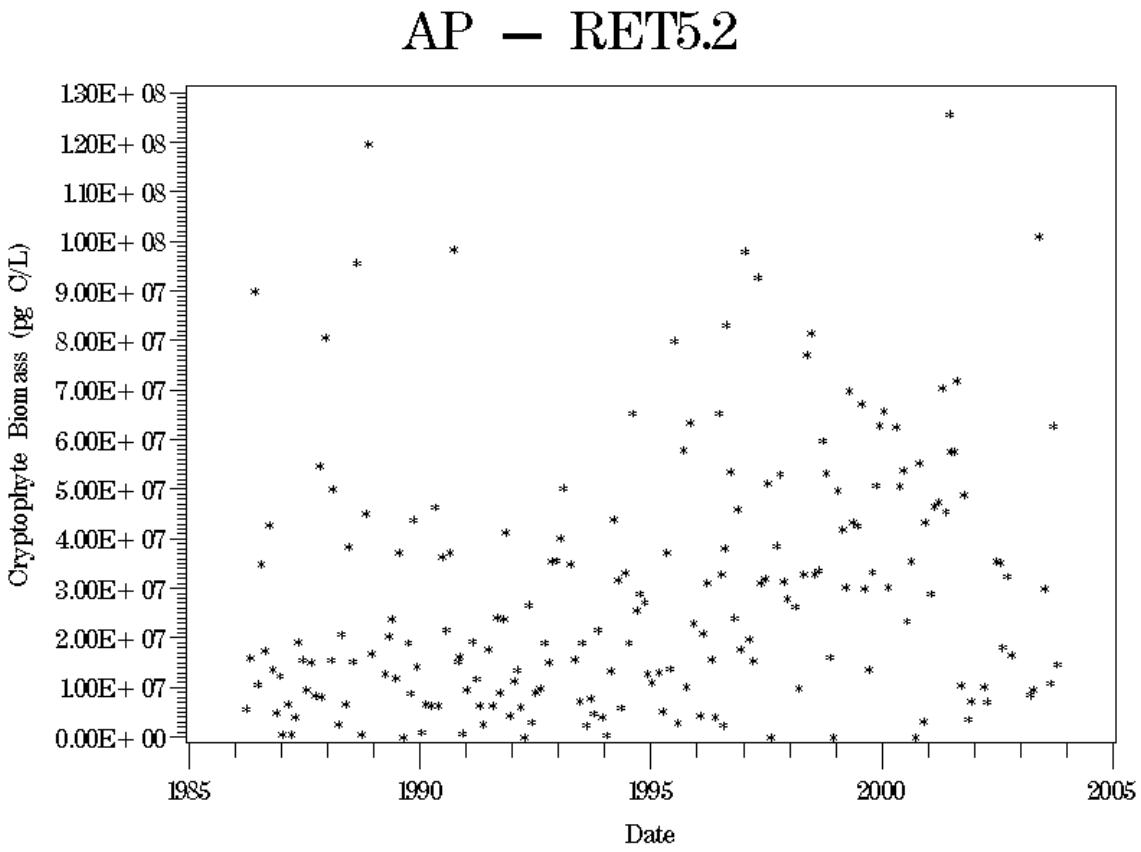


Figure F21. Plot of above pycnocline cryptophyte biomass at station RET5.2 for the period of 1985 through 2003.

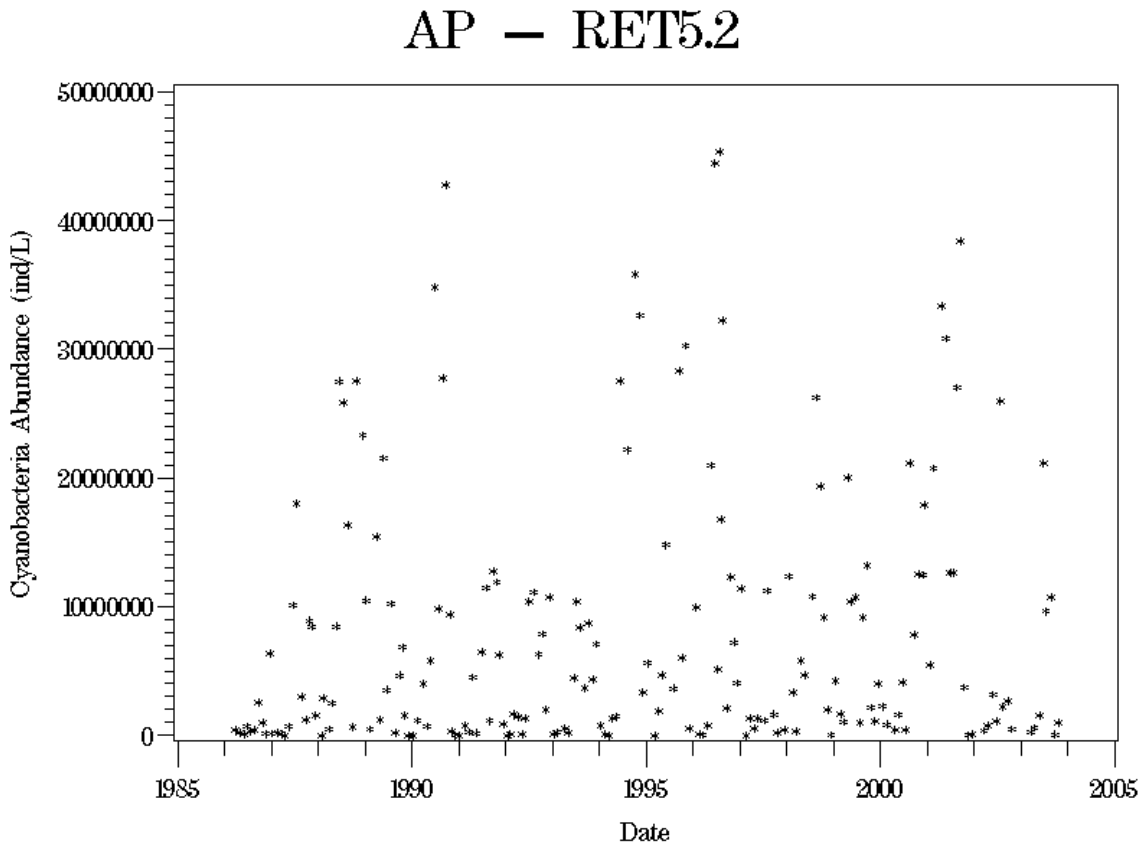
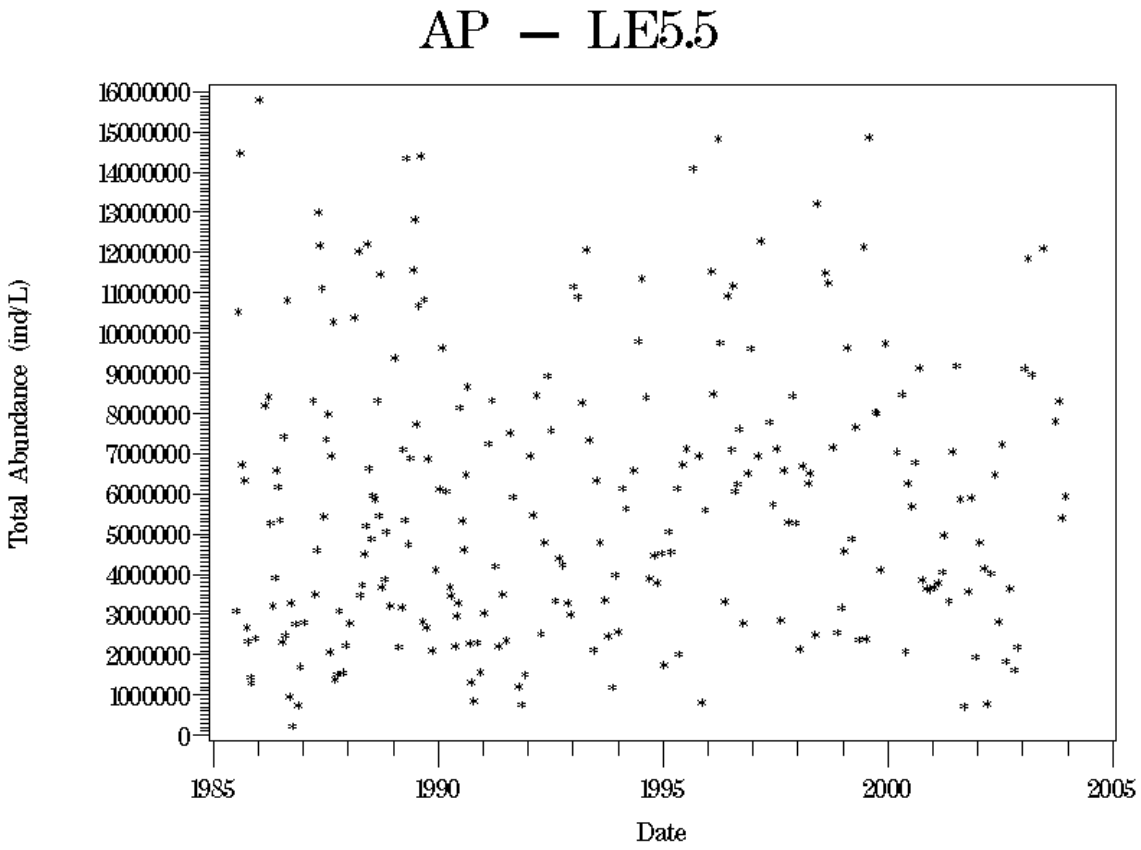


Figure F22. Plot of above pycnocline cyanophyte abundance at station RET5.2 for the period of 1985 through 2003.



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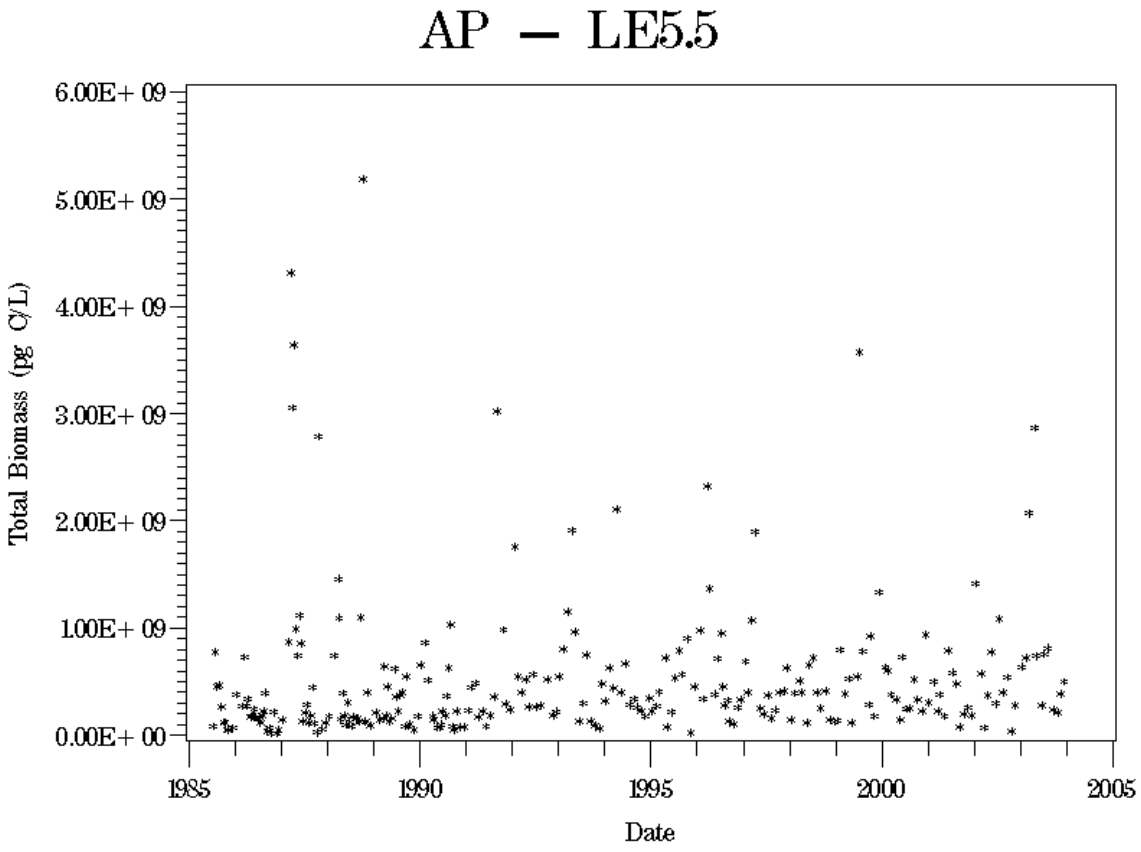

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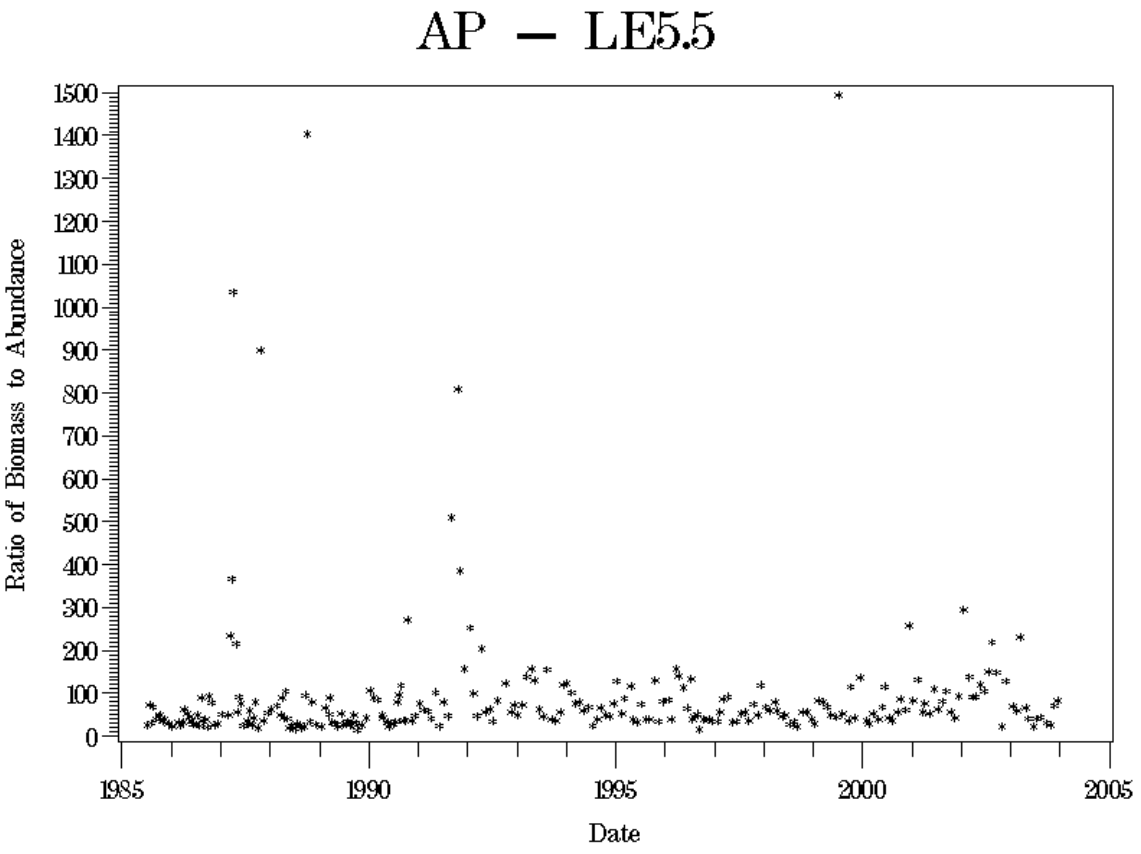

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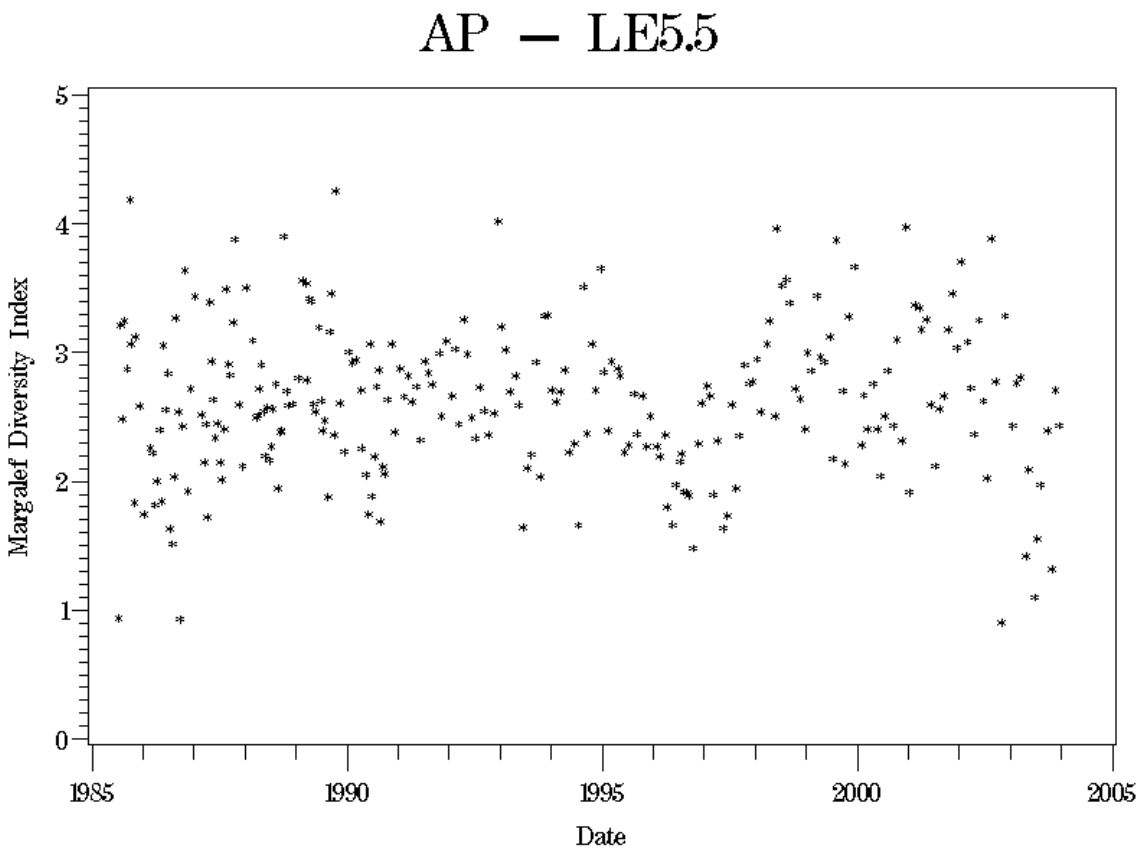


Figure F26. Plot of above pycnocline Margalef diversity index against time at station LE5.5 for the period of 1985 through 2003.

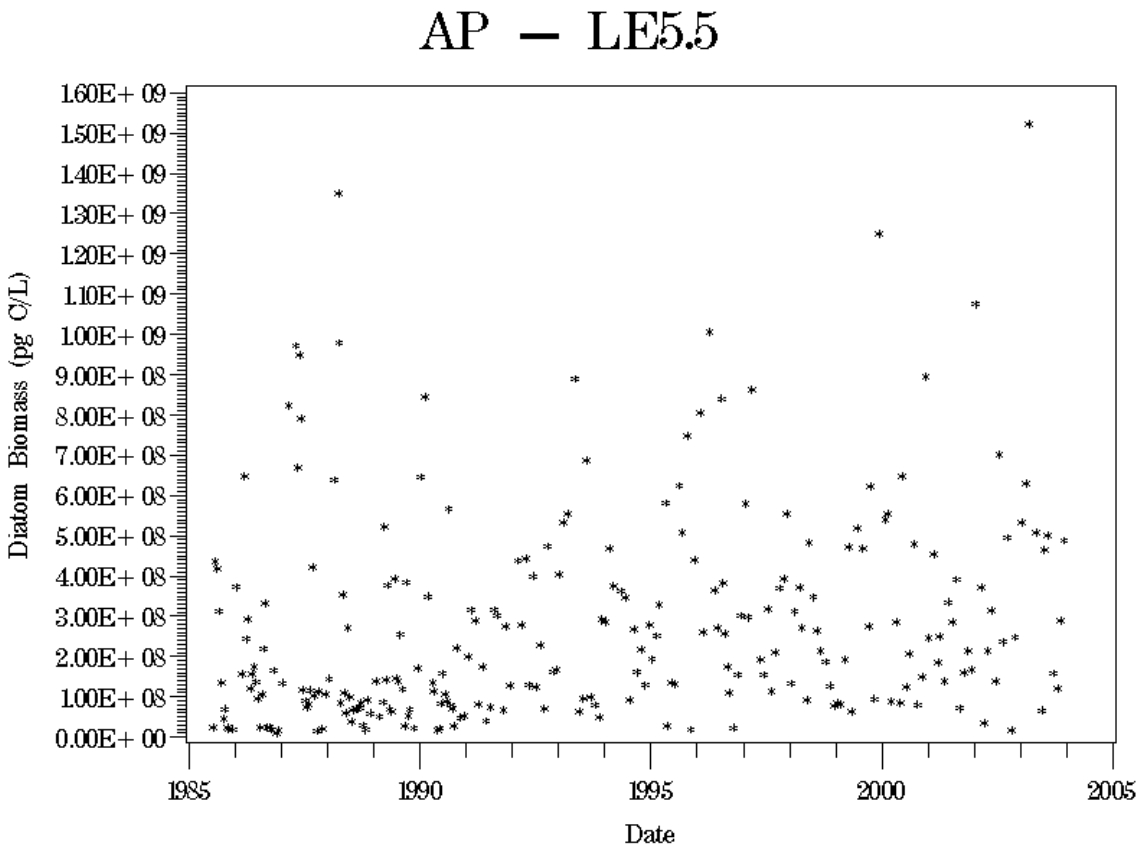


Figure F27. Plot of above pycnocline diatom biomass against time at station LE5.5 for the period of 1985 through 2003.

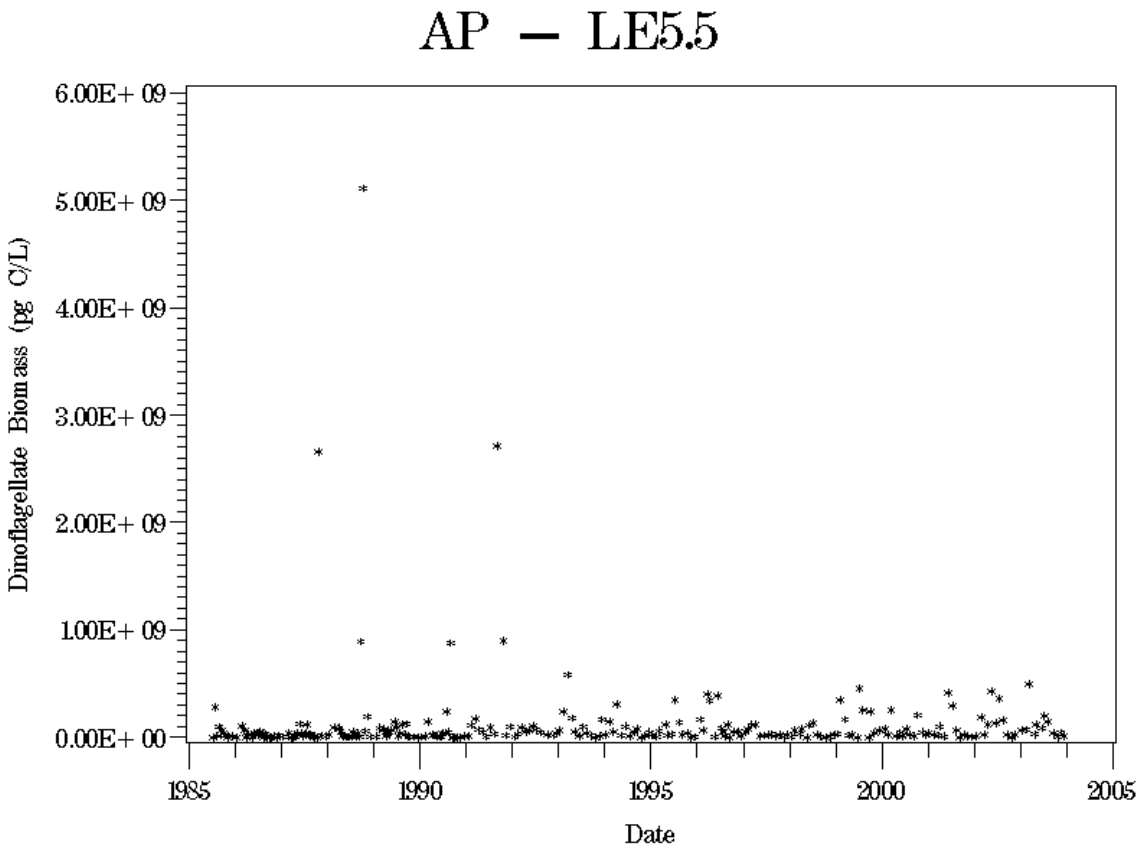


Figure F28. Plot of above pycnocline dinoflagellate biomass against time at station LE5.5 for the period of 1985 through 2003.

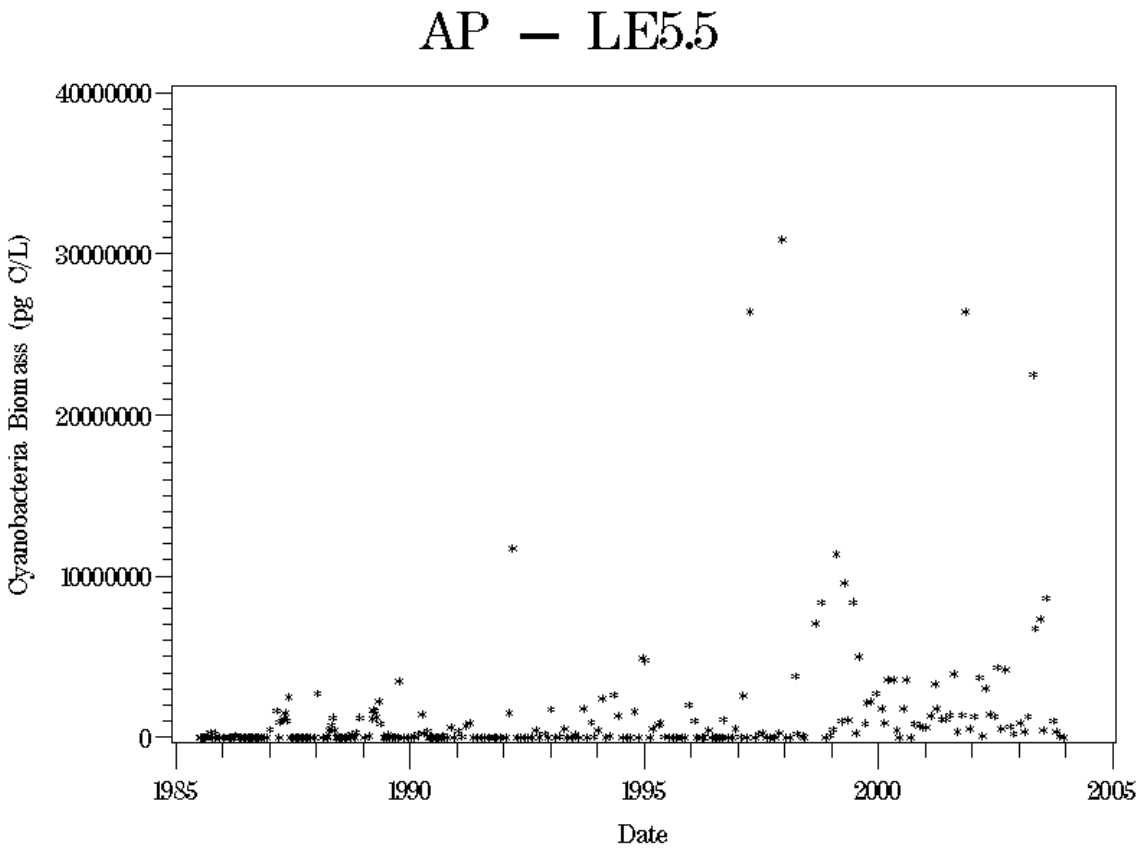
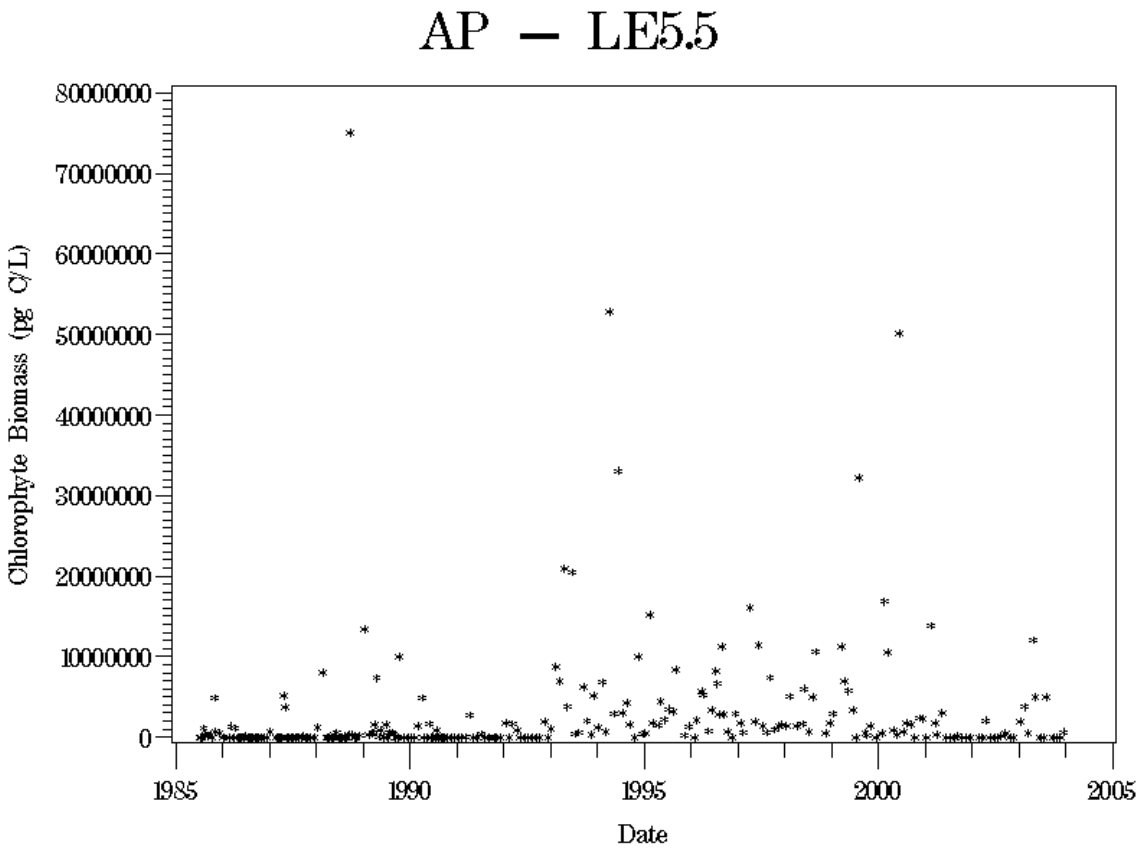


Figure F29. Plot of above pycnocline cyanobacteria biomass against time at station LE5.5 for the period of 1985 through 2003.



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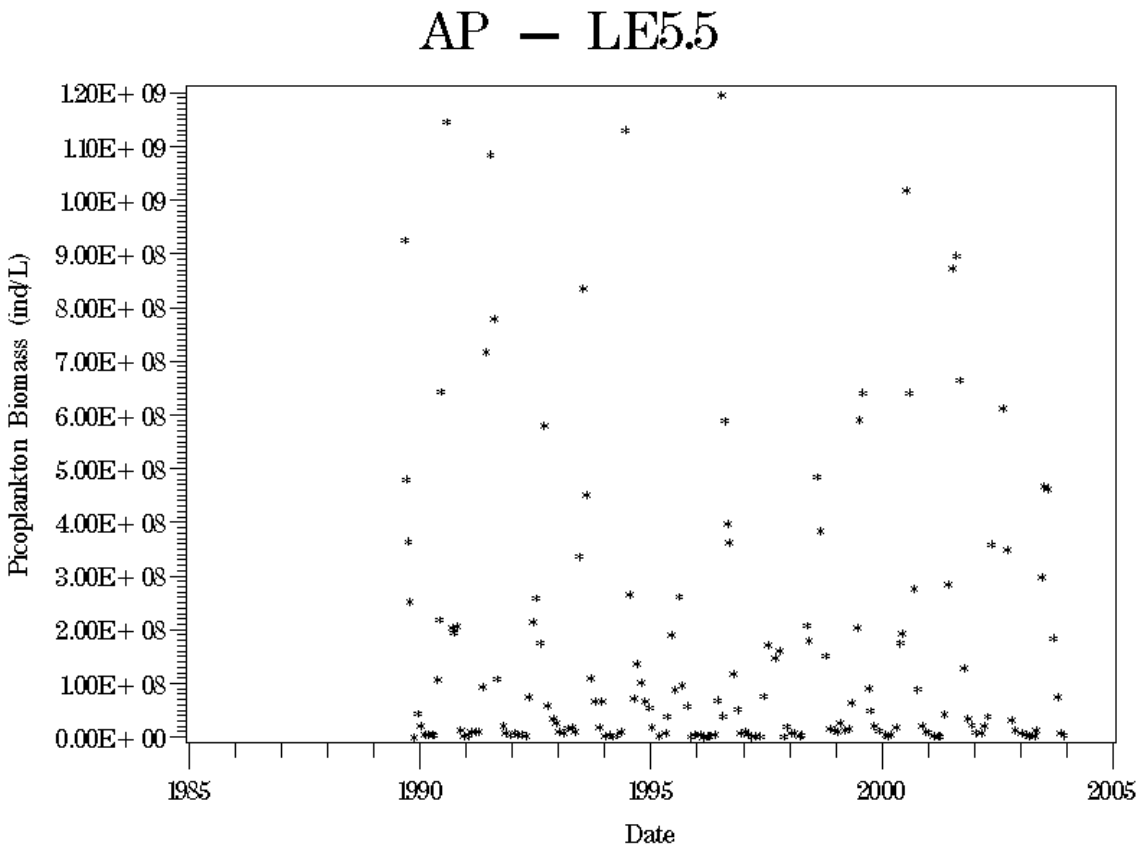

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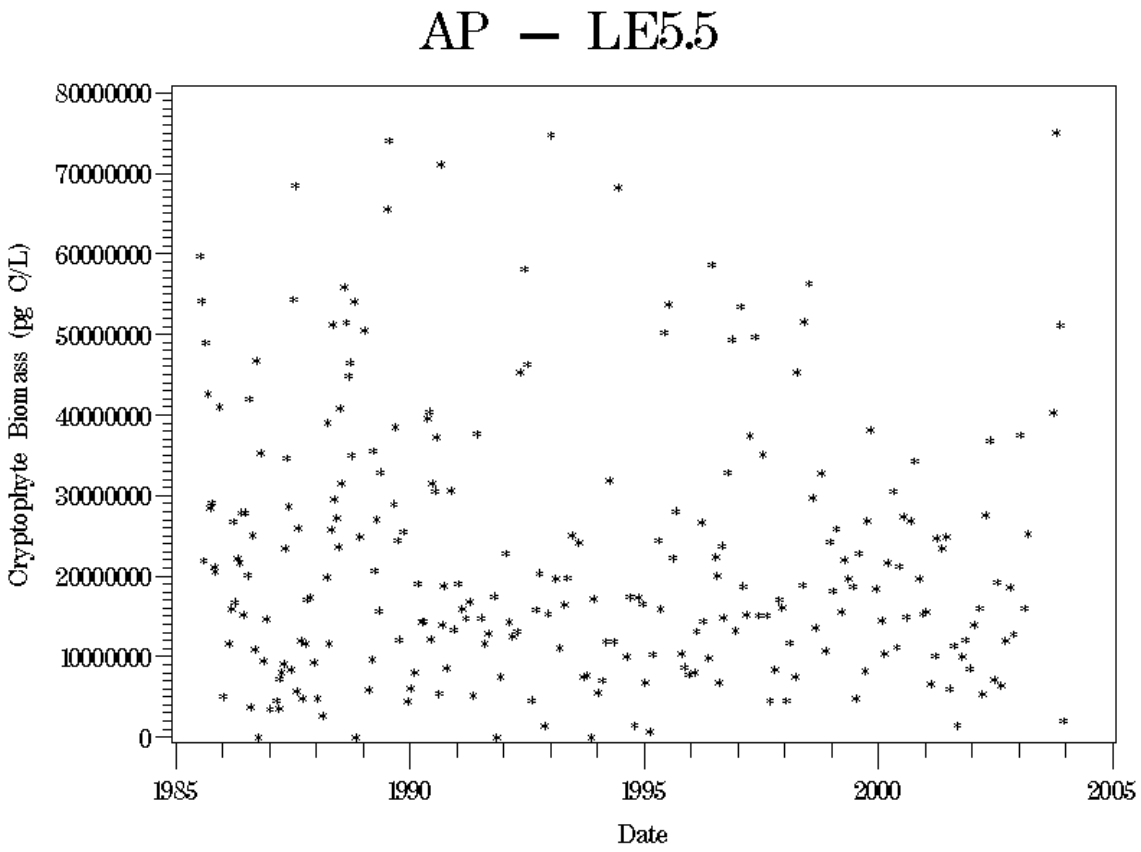

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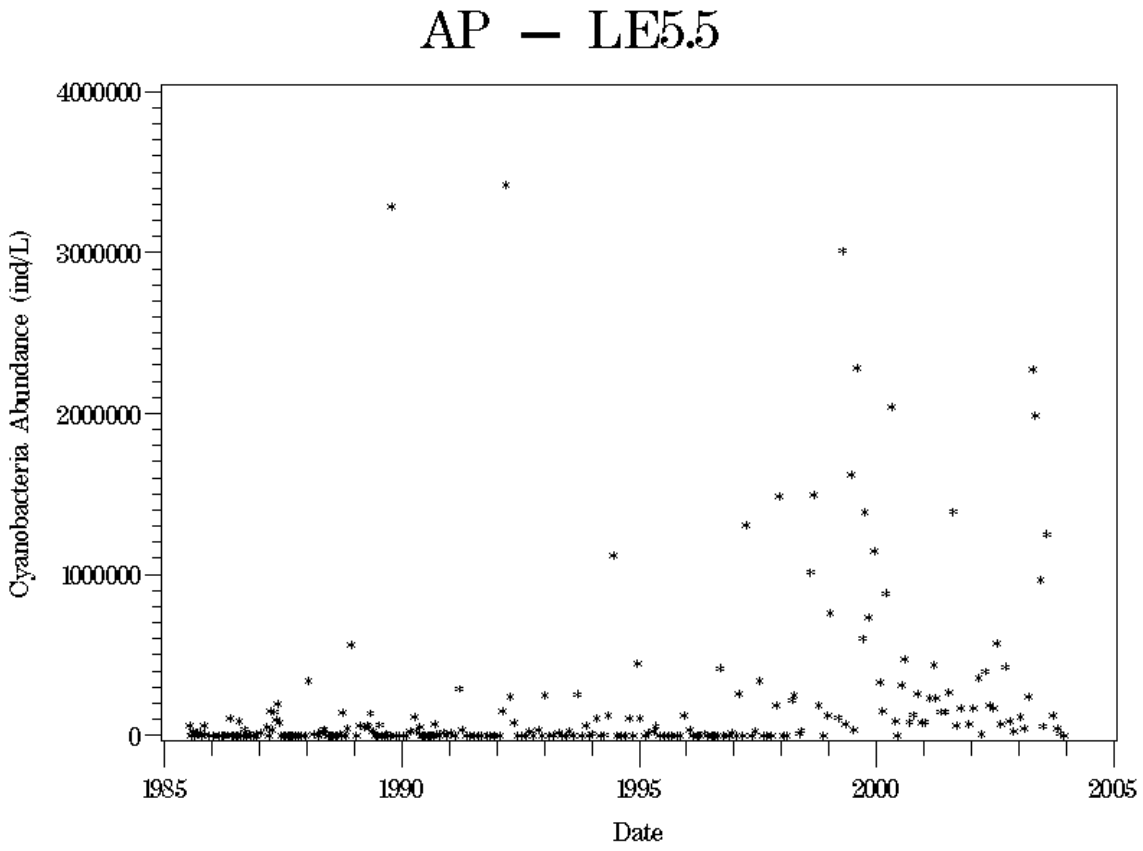

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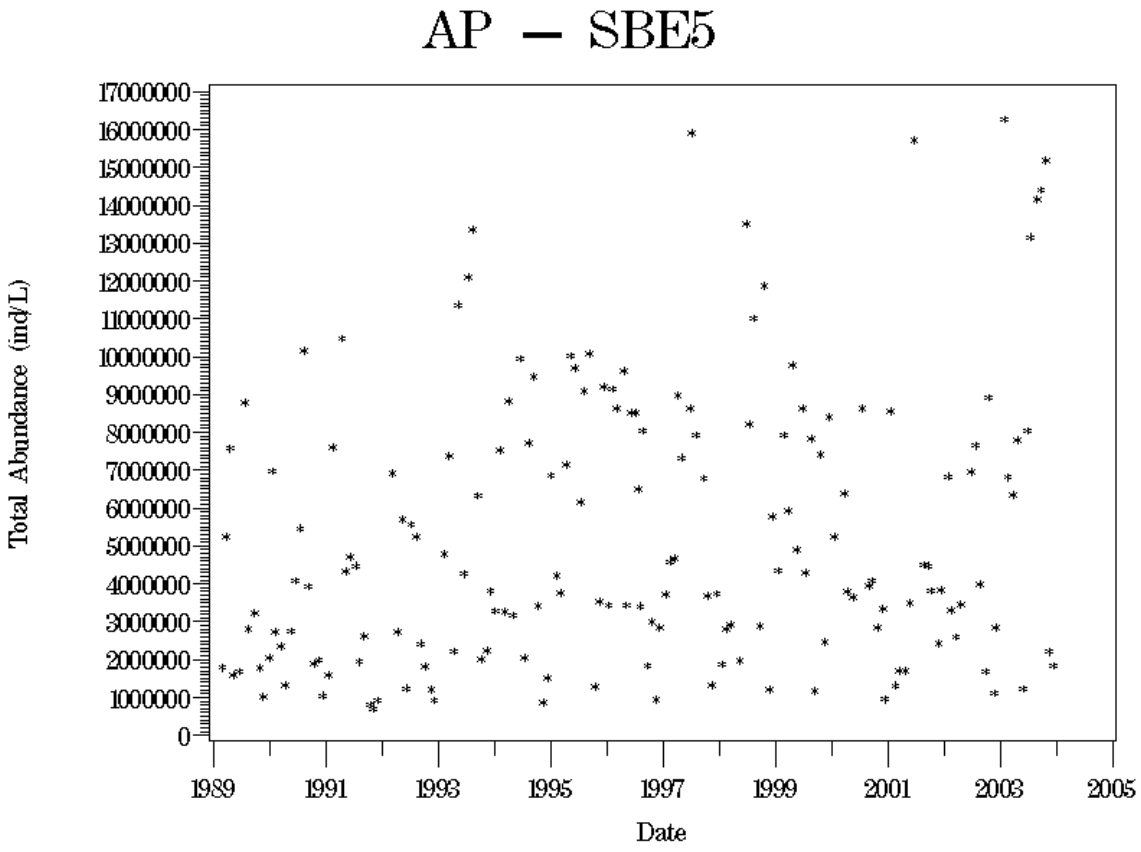

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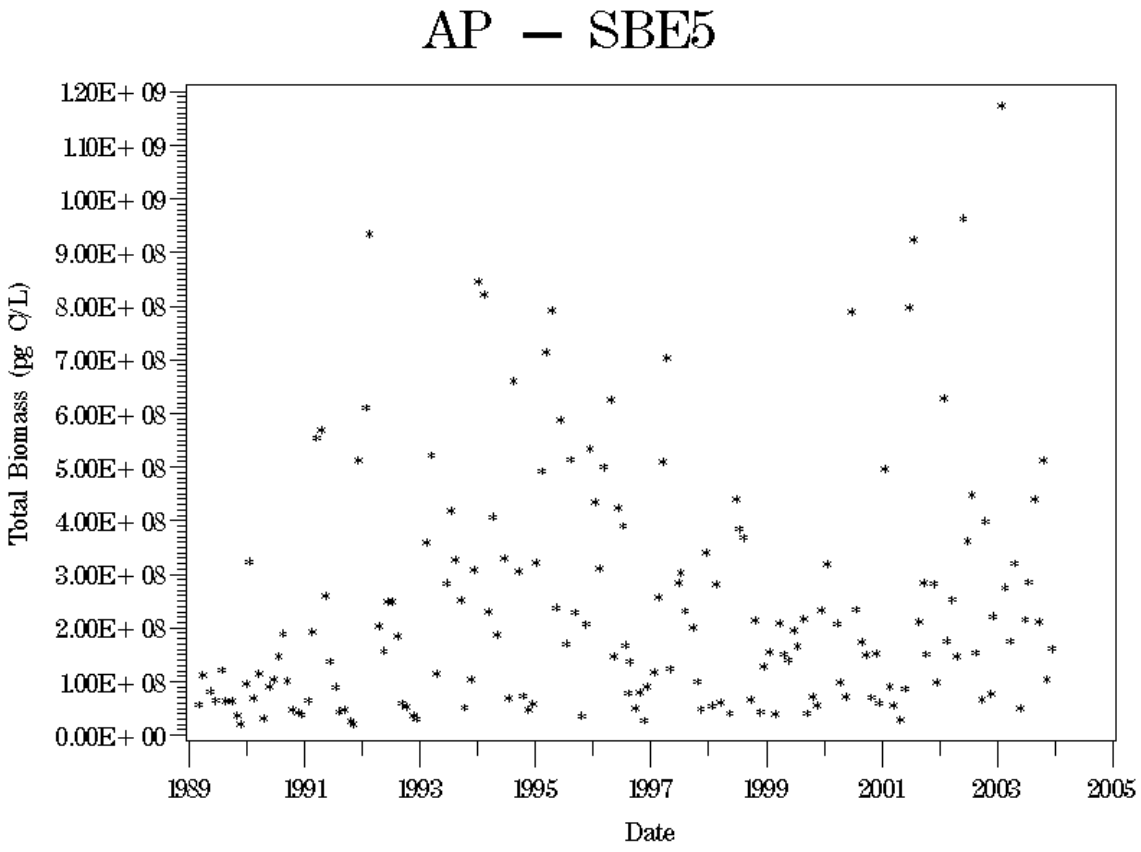
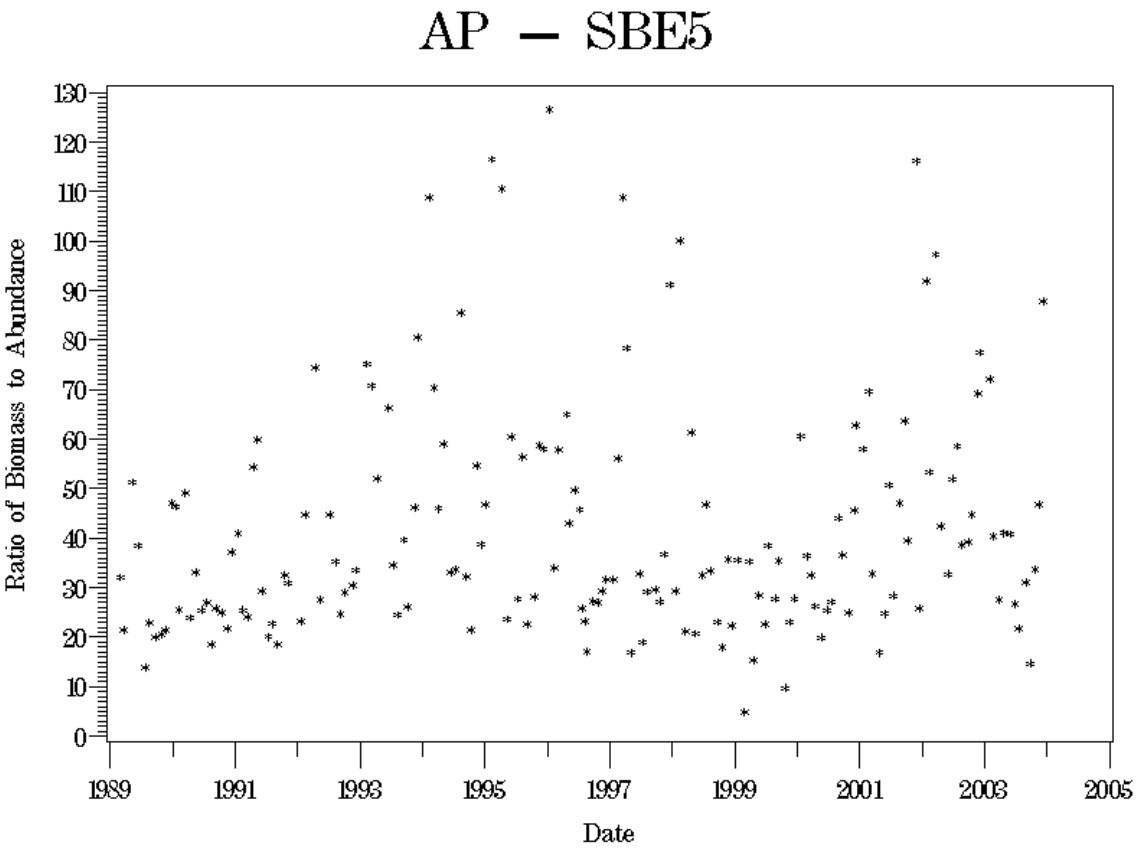


Figure F35. Plot of above pycnocline total phytoplankton biomass against time at station SBE5 for the period of 1985 through 2003.



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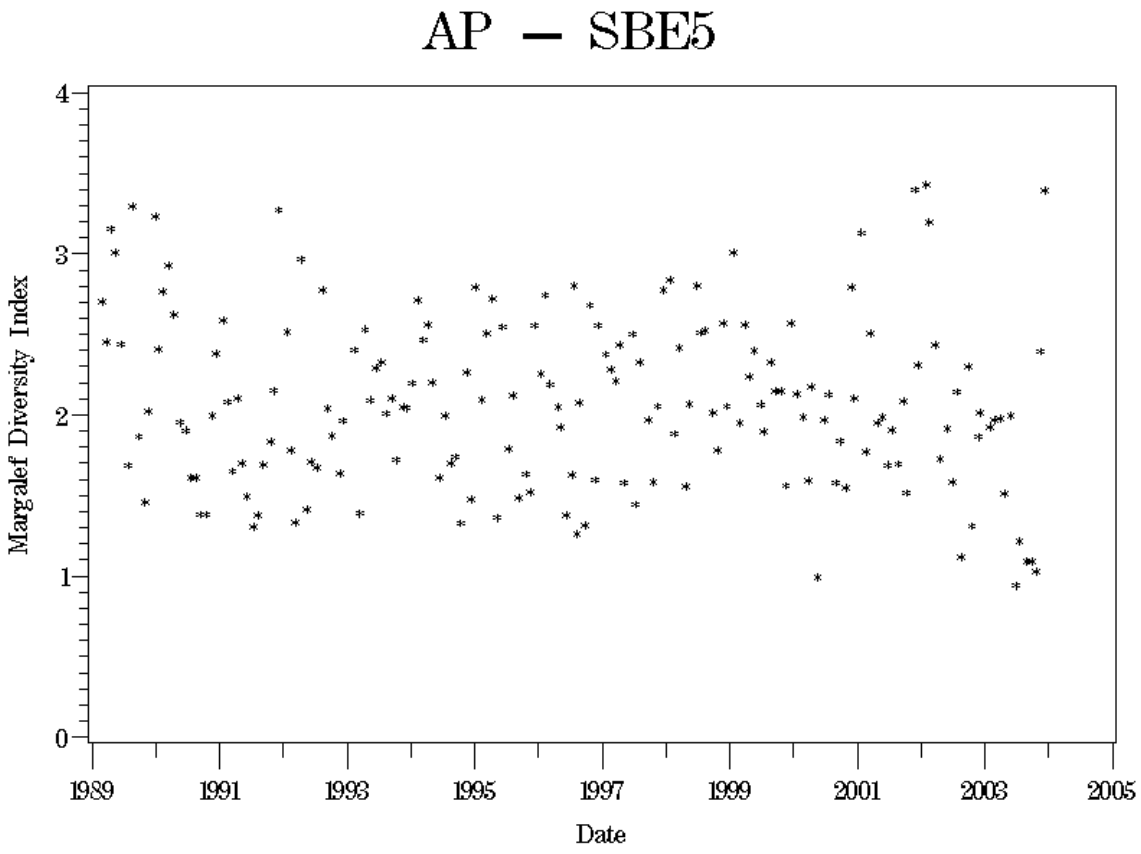

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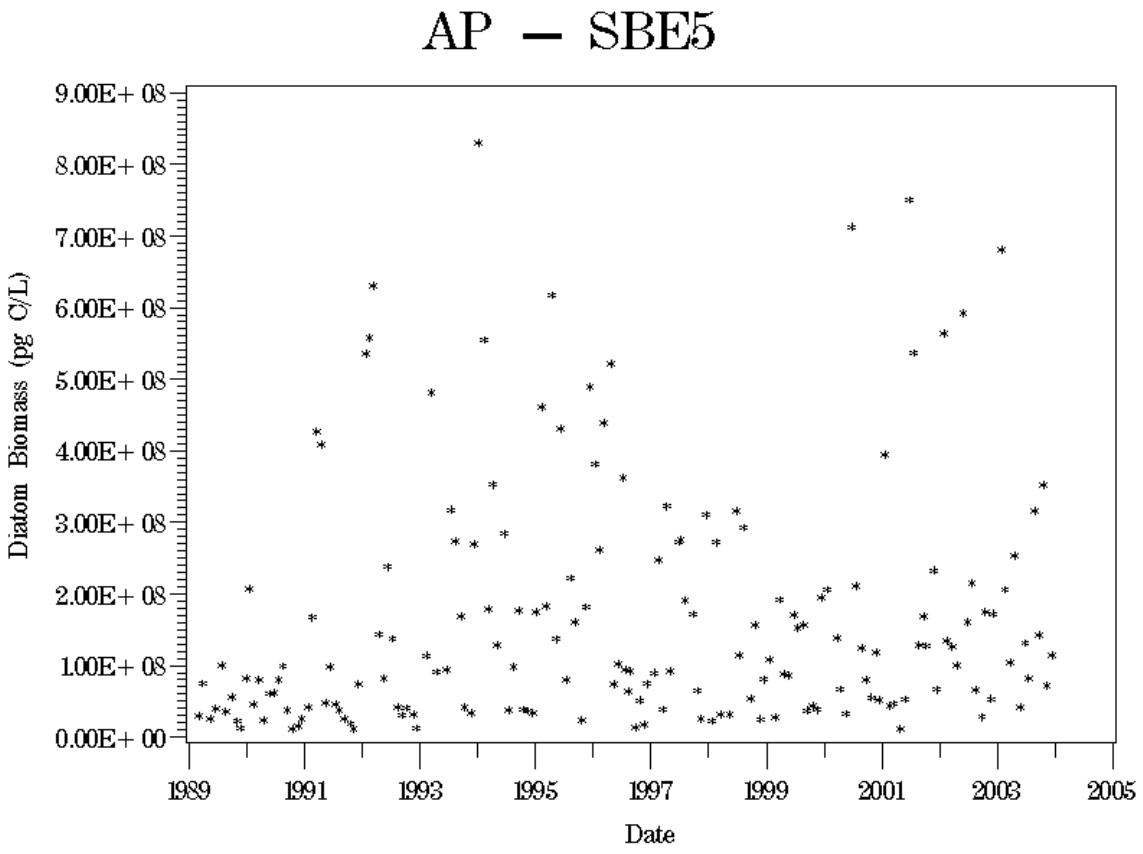

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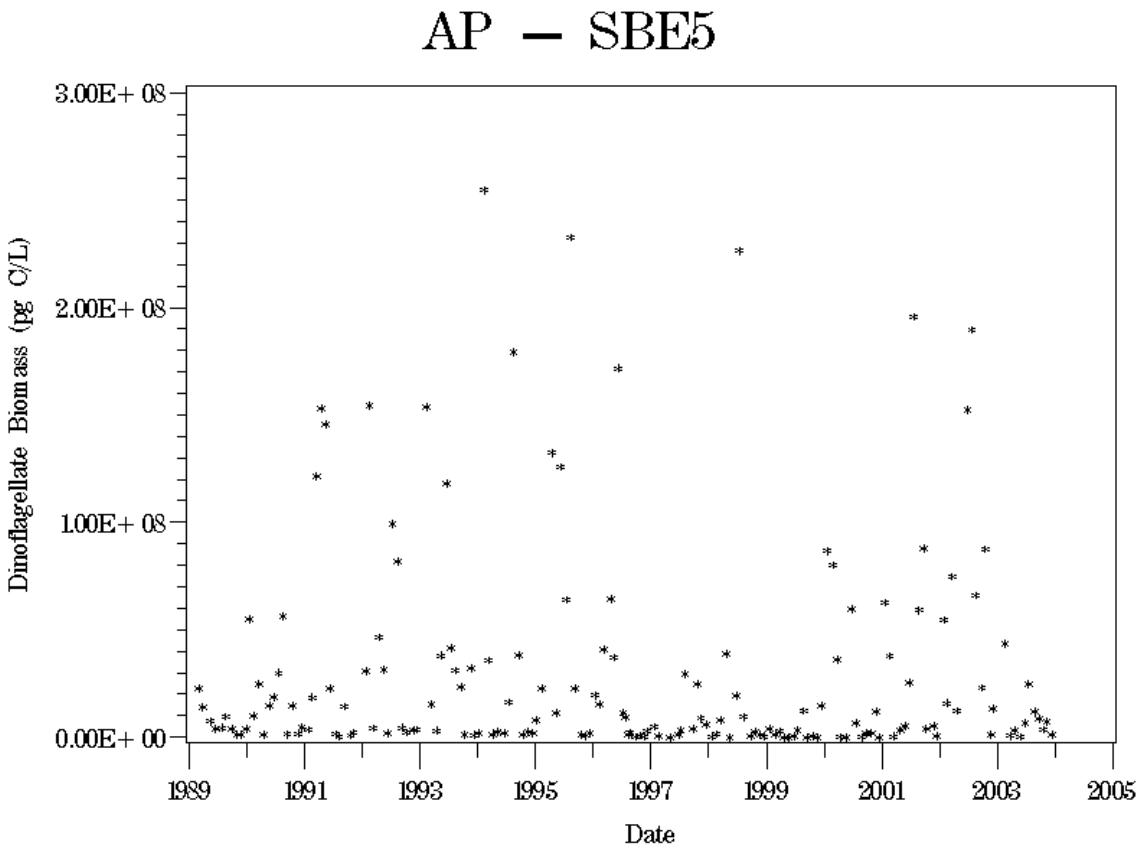

Figure F39. Plot of above pycnocline dinoflagellate biomass against time at station SBE5 for the period of 1985 through 2003.

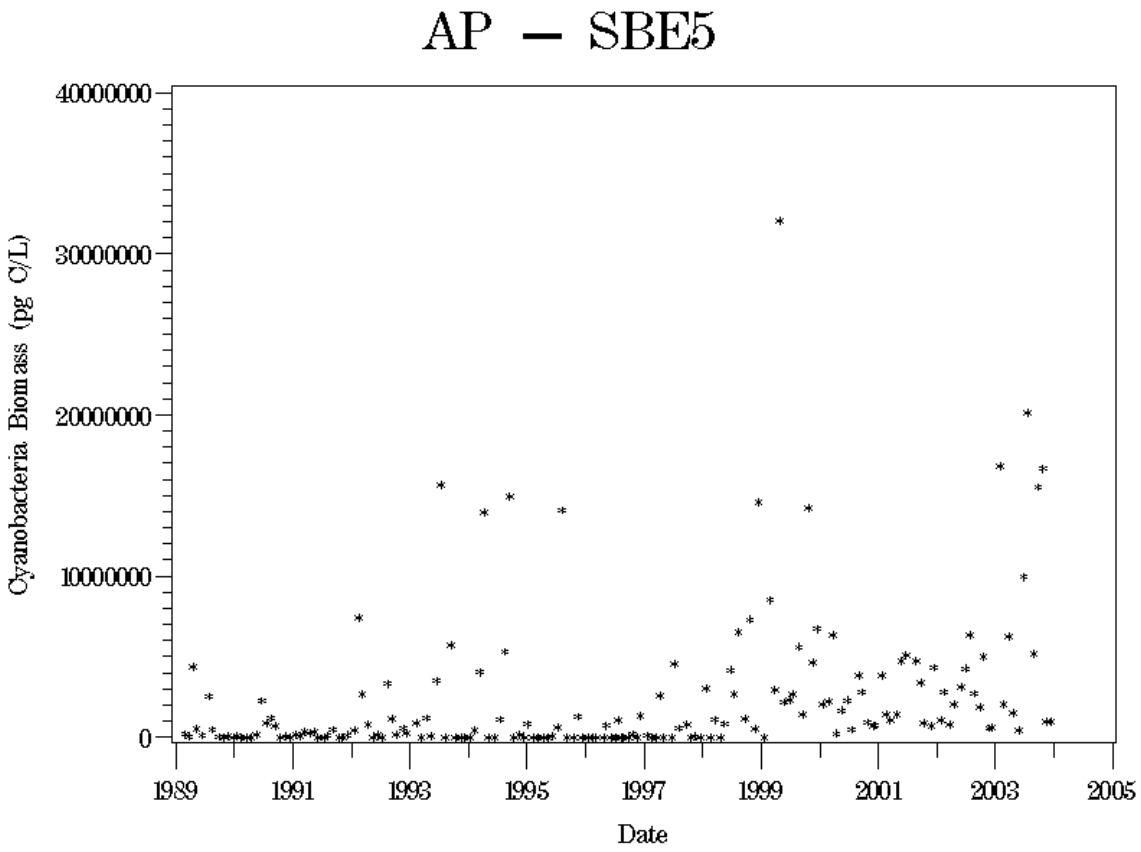

Figure F40. Plot of above pycnocline cyanobacteria biomass against time at station SBE5 for the period of 1985 through 2003.

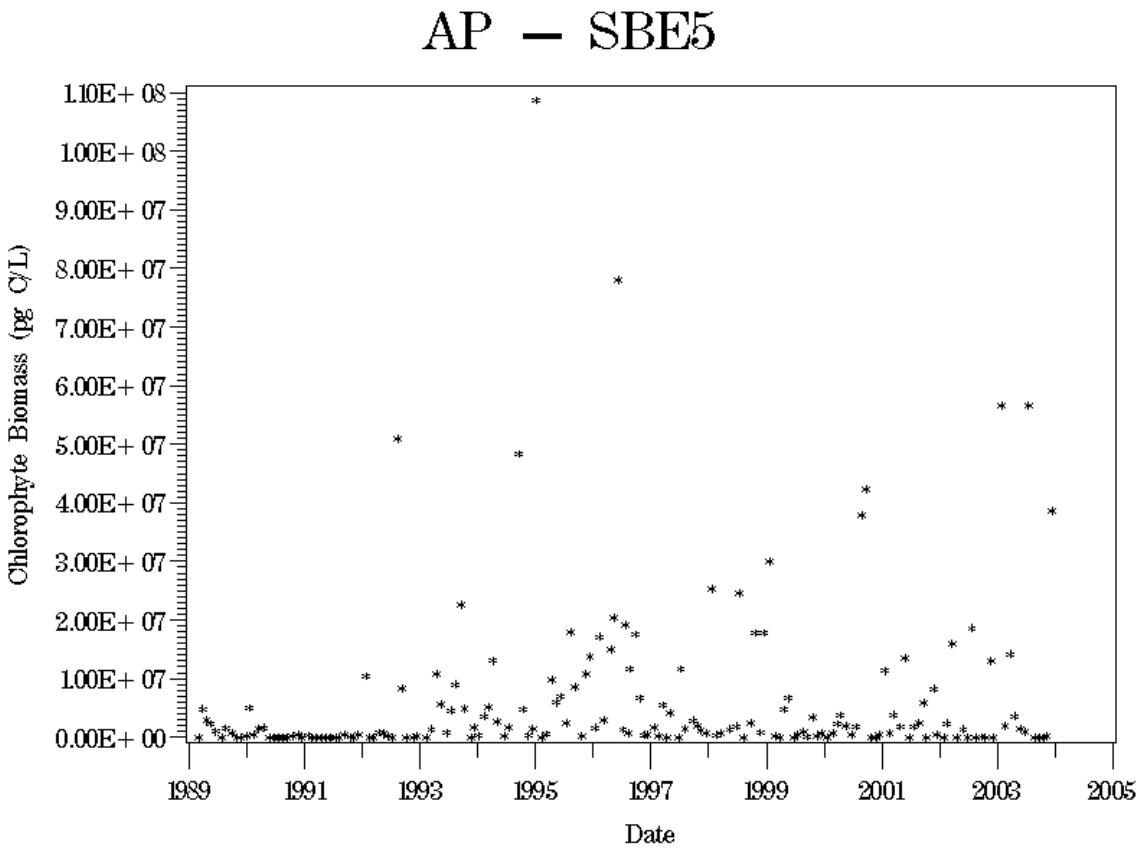

Figure F41. Plot of above pycnocline chlorophyte biomass against time at station SBE5 for the period of 1985 through 2003.

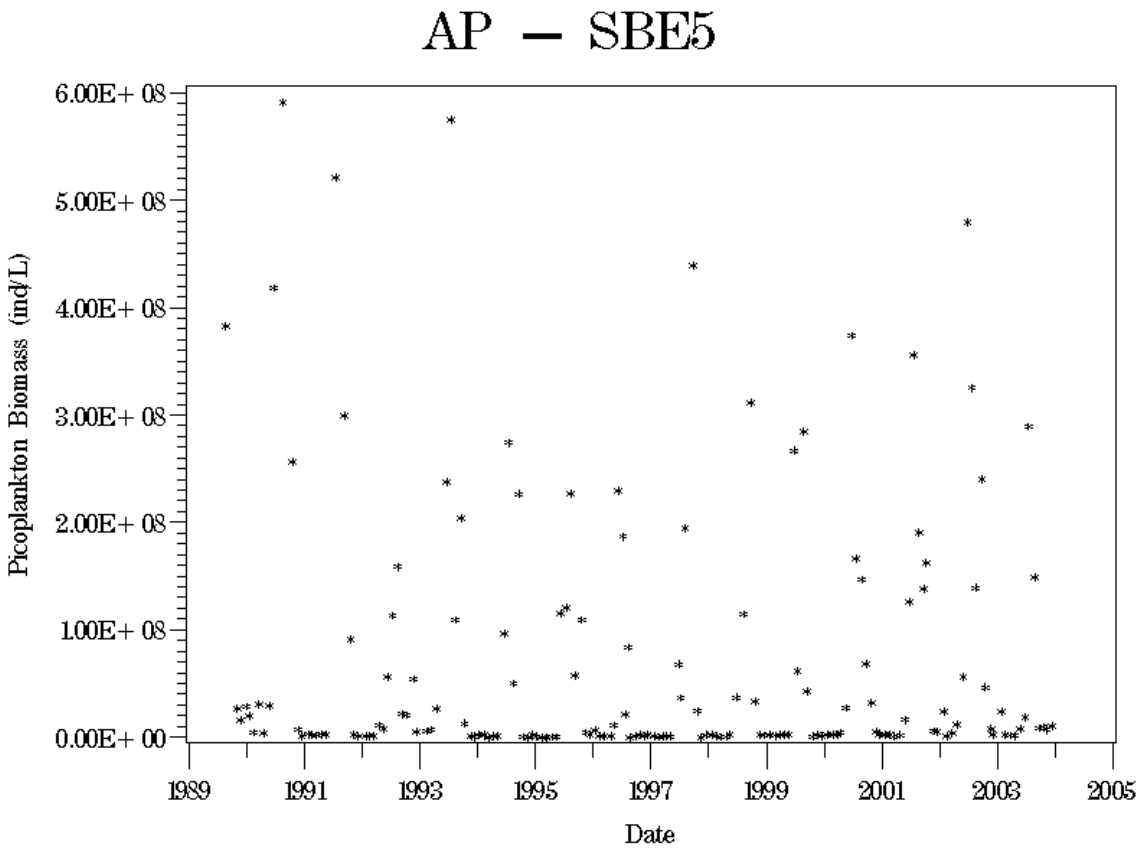

Figure F42. Plot of above pycnocline picoplankton biomass against time at station SBE5 for the period of 1985 through 2003.

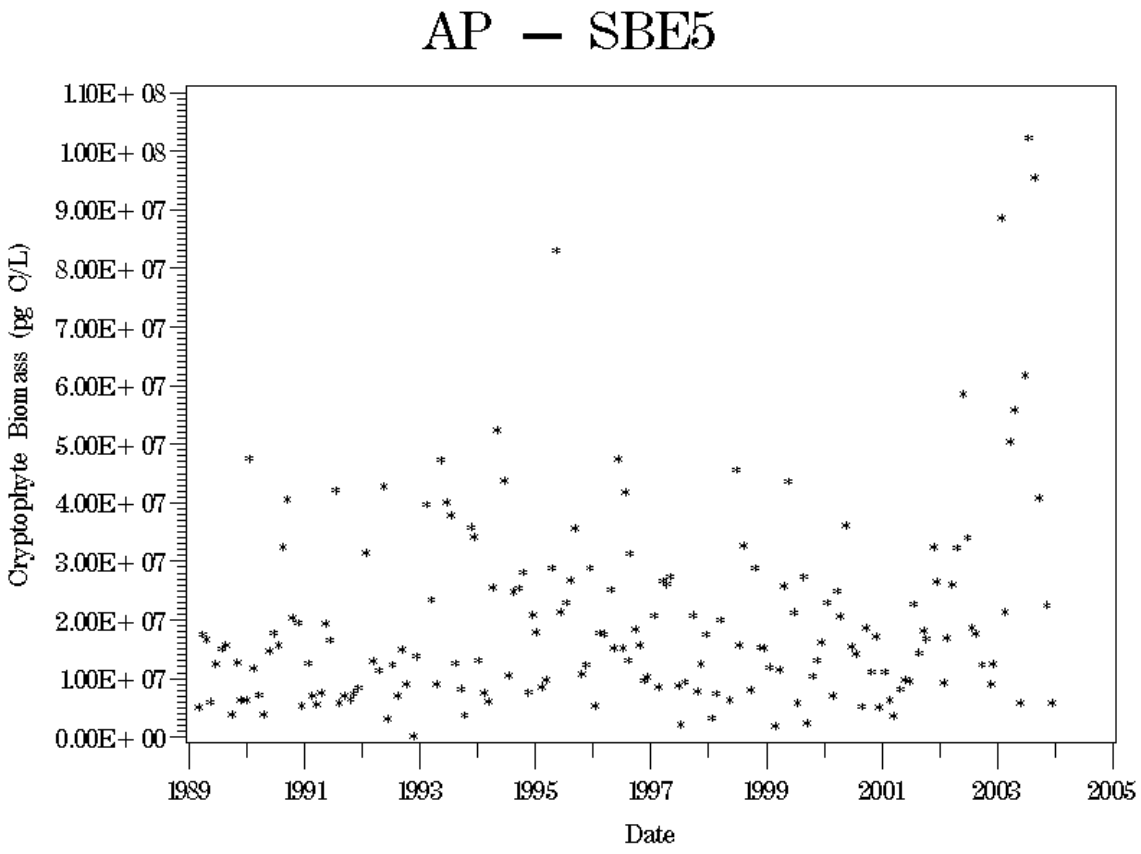

Figure F43. Plot of above pycnocline cryptophyte biomass at station SBE5 for the period of 1985 through 2003.

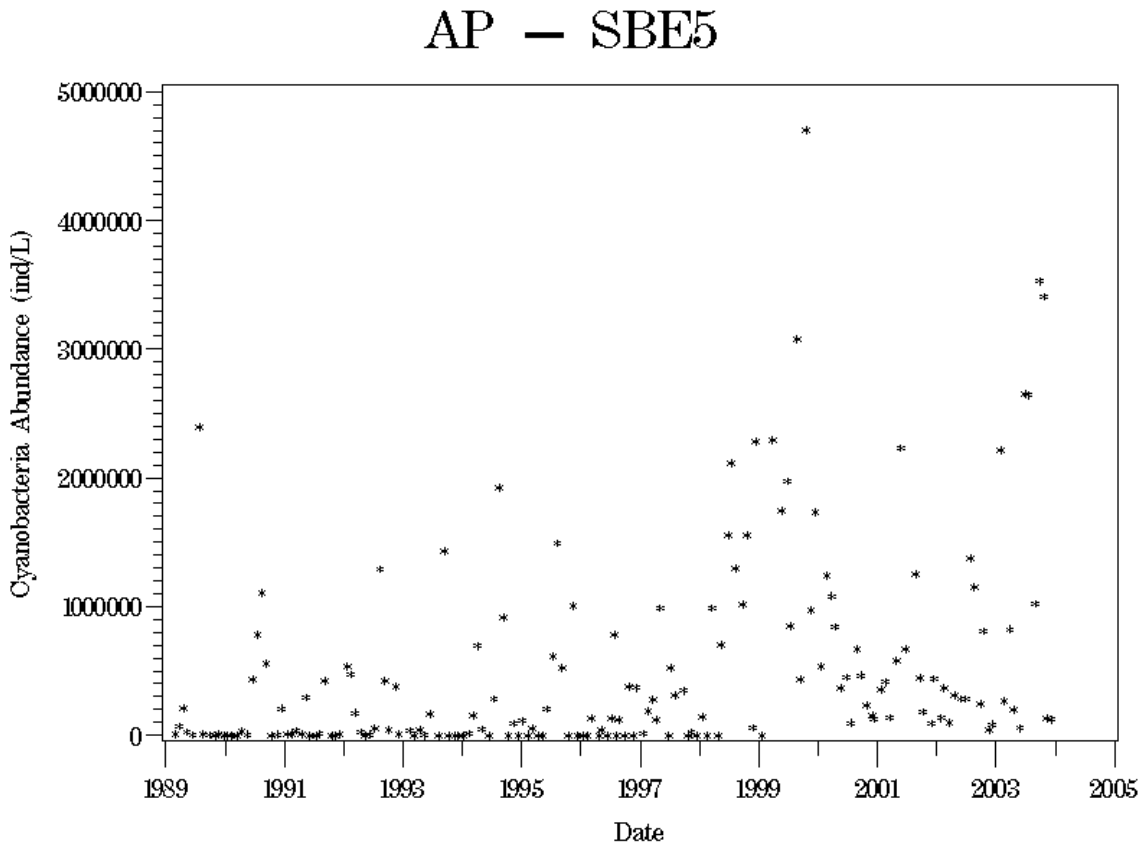

Figure F44. Plot of above pycnocline cyanophyte abundance at station SBE5 for the period of 1985 through 2003.

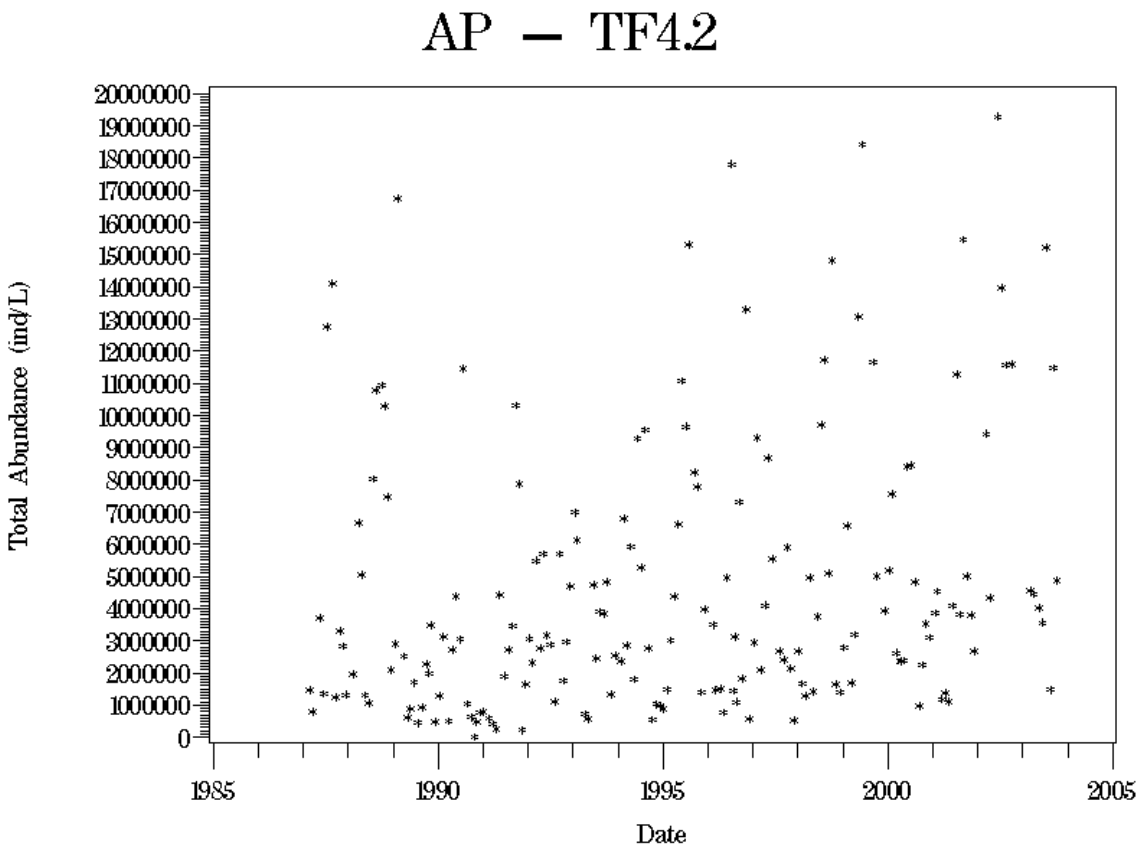

Figure F45. Plot of above pycnocline total phytoplankton abundance against time at station TF4.2 for the period of 1985 through 2003.

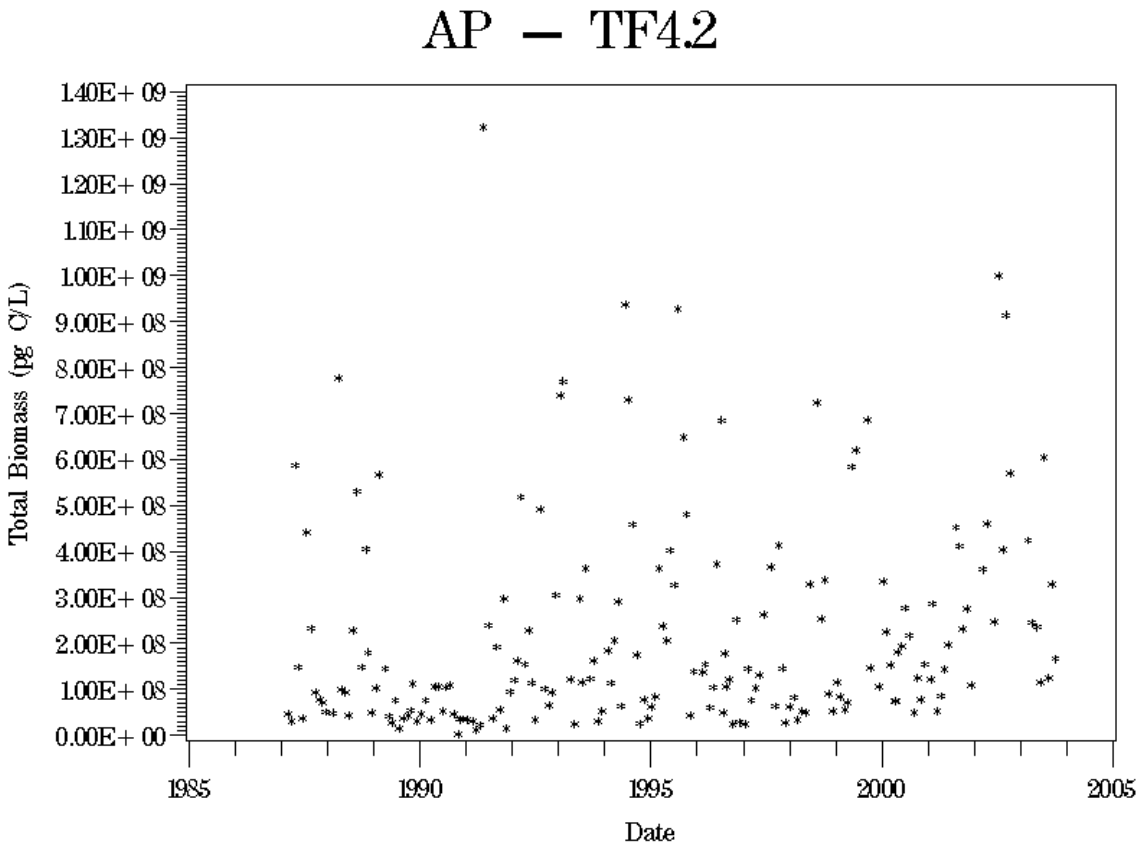

Figure F46. Plot of above pycnocline total phytoplankton biomass against time at station TF4.2 for the period of 1985 through 2003.

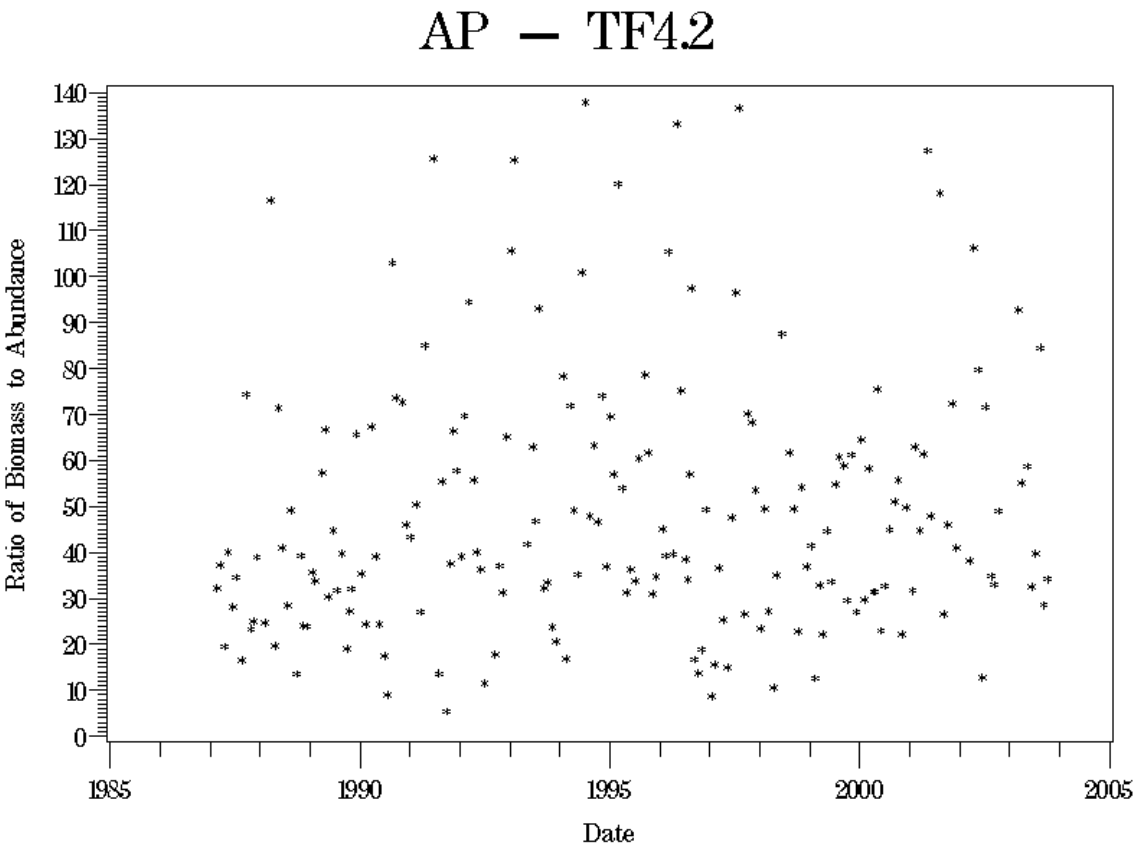

Figure F47. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station TF4.2 for the period of 1985 through 2003.

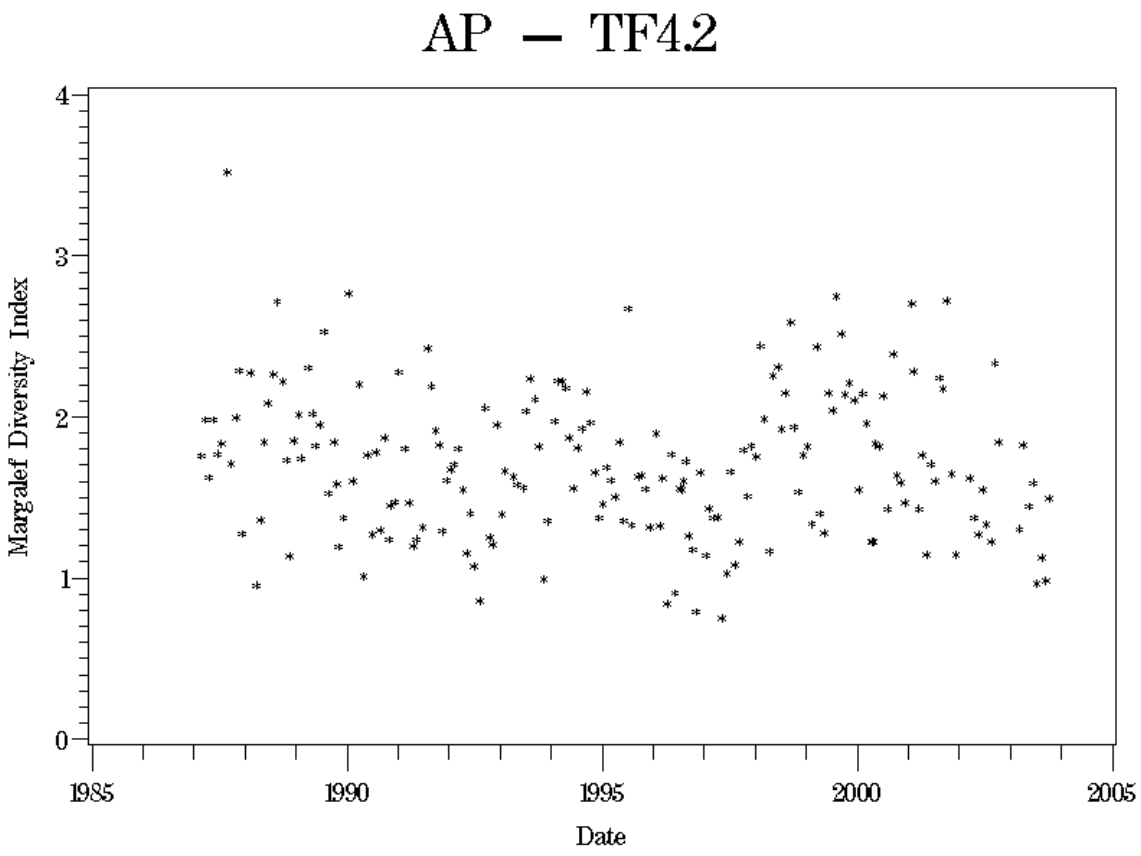

Figure F48. Plot of above pycnocline Margalef diversity index against time at station TF4.2 for the period of 1985 through 2003.

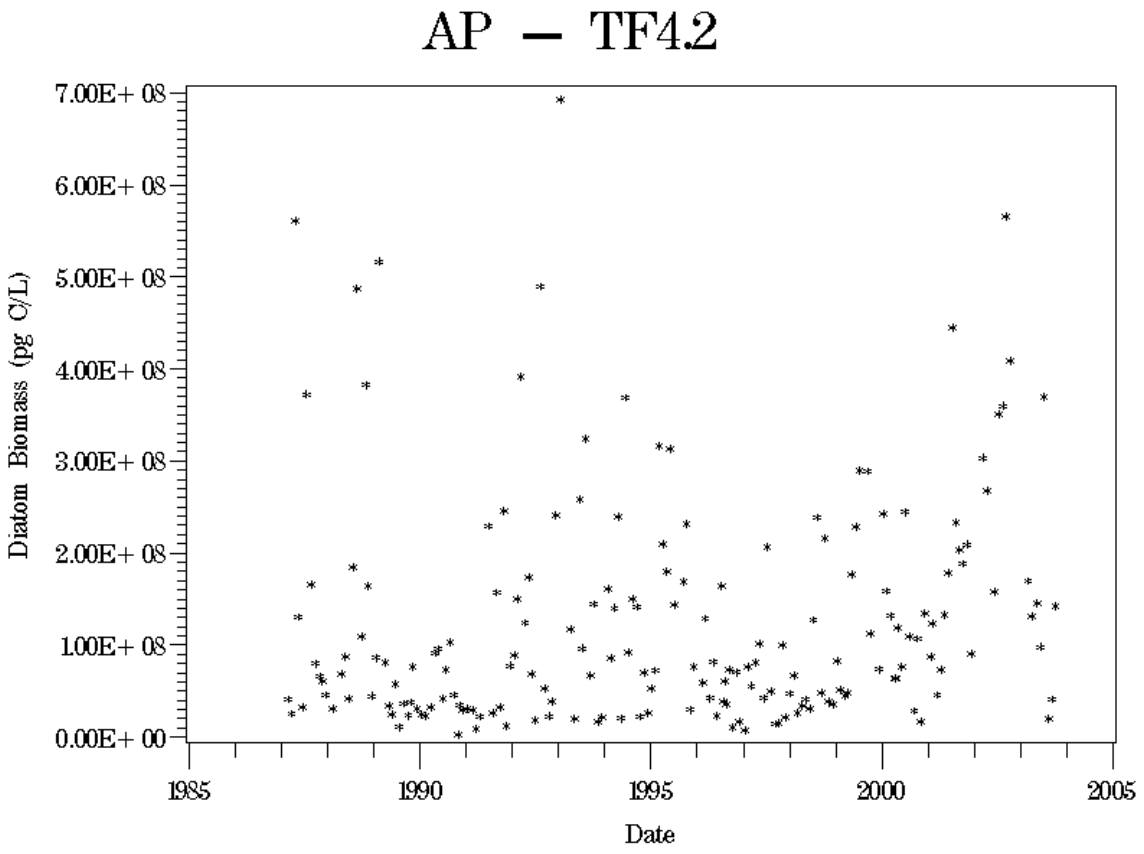

Figure F49. Plot of above pycnocline diatom biomass against time at station TF4.2 for the period of 1985 through 2003.

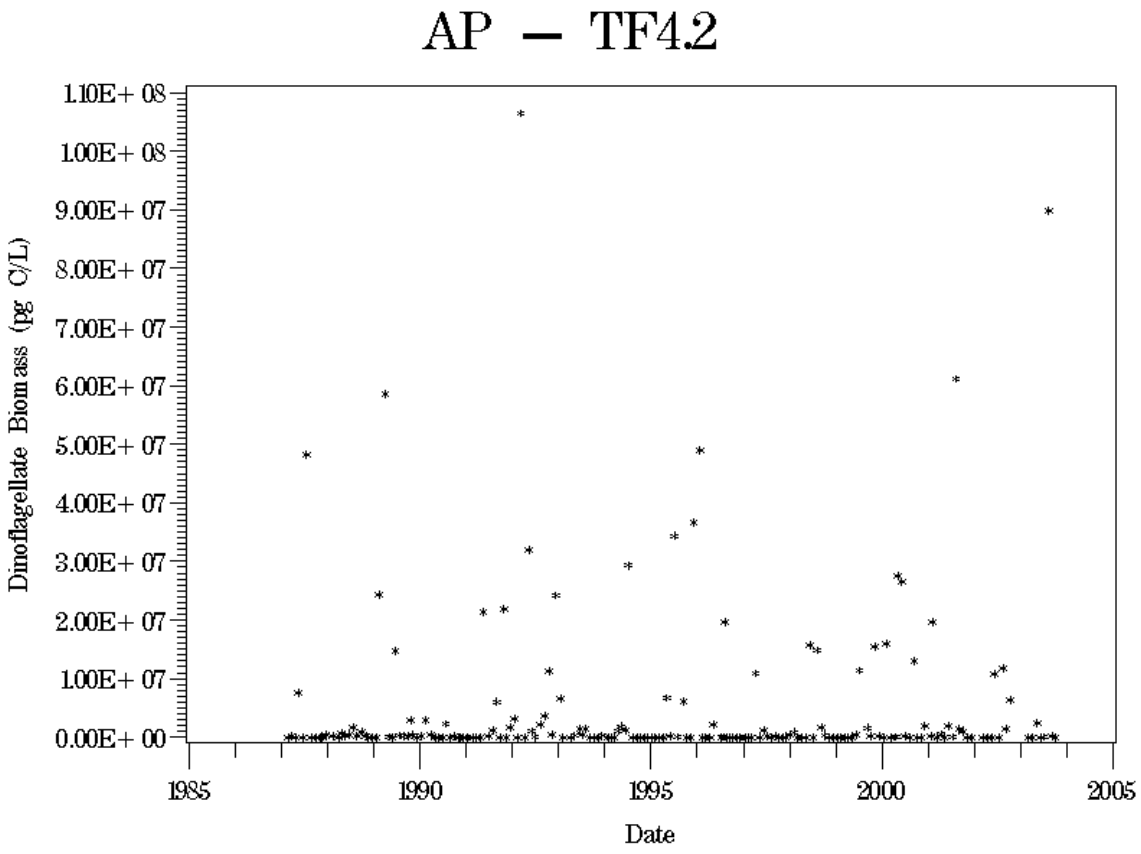

Figure F50. Plot of above pycnocline dinoflagellate biomass against time at station TF4.2 for the period of 1985 through 2003.

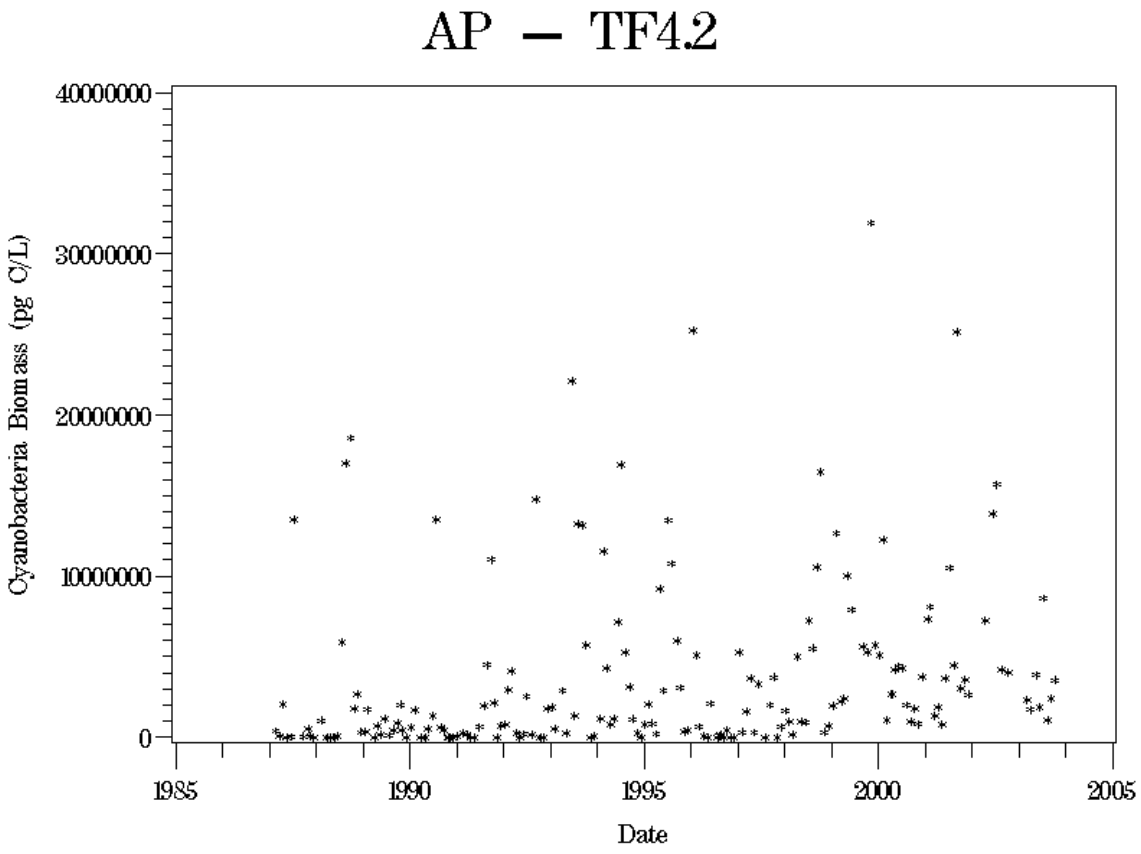

Figure F51. Plot of above pycnocline cyanobacteria biomass against time at station TF4.2 for the period of 1985 through 2003.

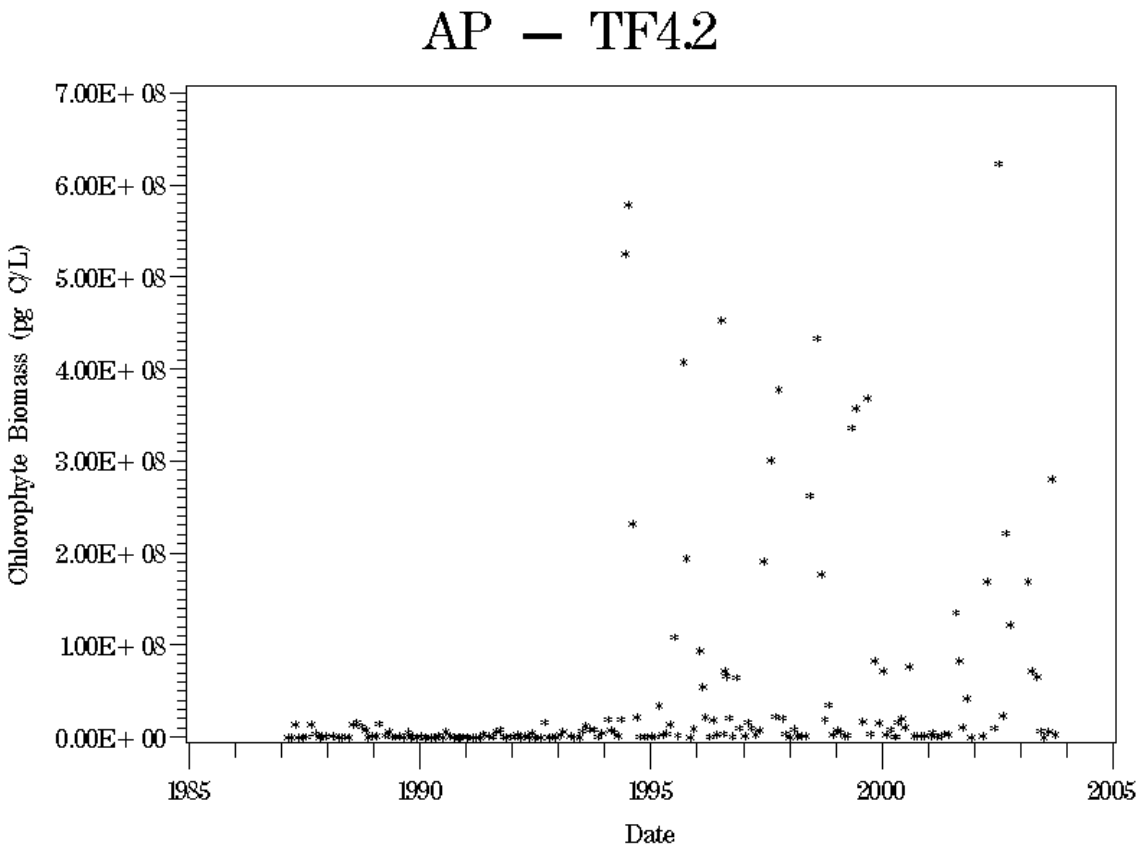

Figure F52. Plot of above pycnocline chlorophyte biomass against time at station TF4.2 for the period of 1985 through 2003.

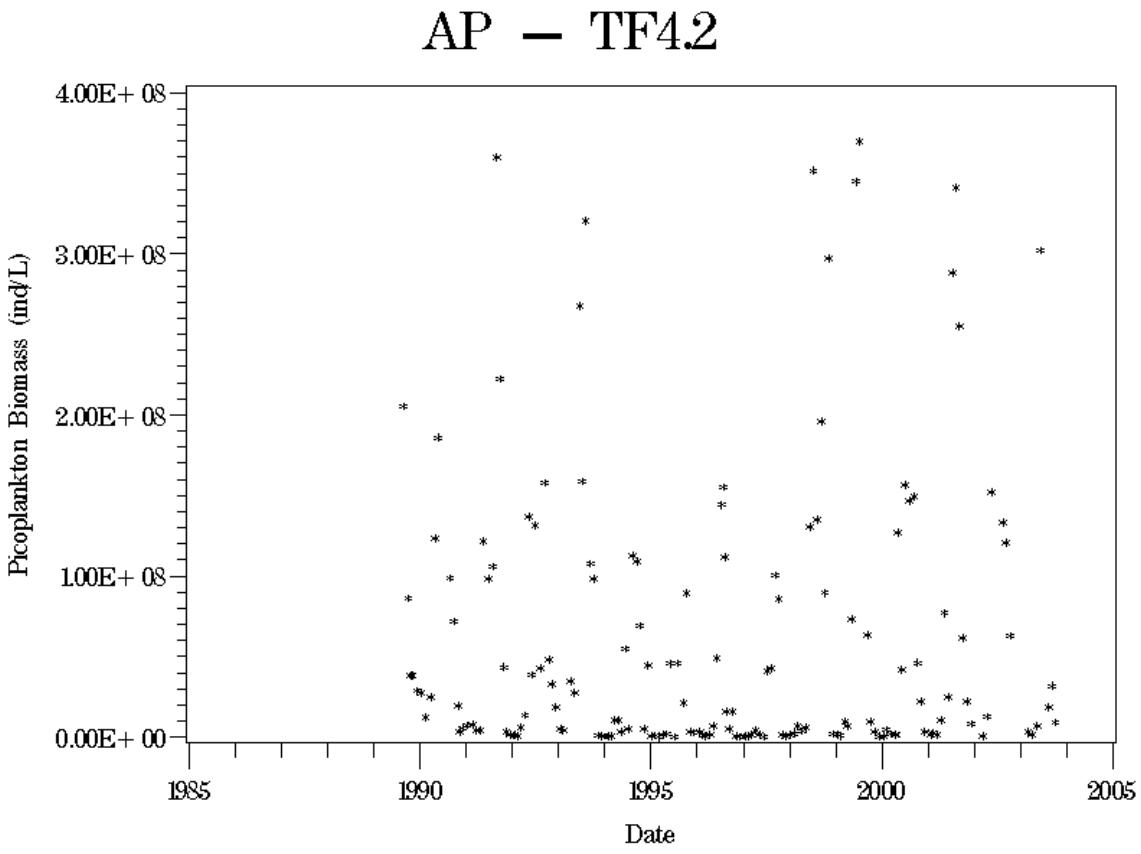

Figure F53. Plot of above pycnocline picoplankton biomass against time at station TF4.2 for the period of 1985 through 2003.

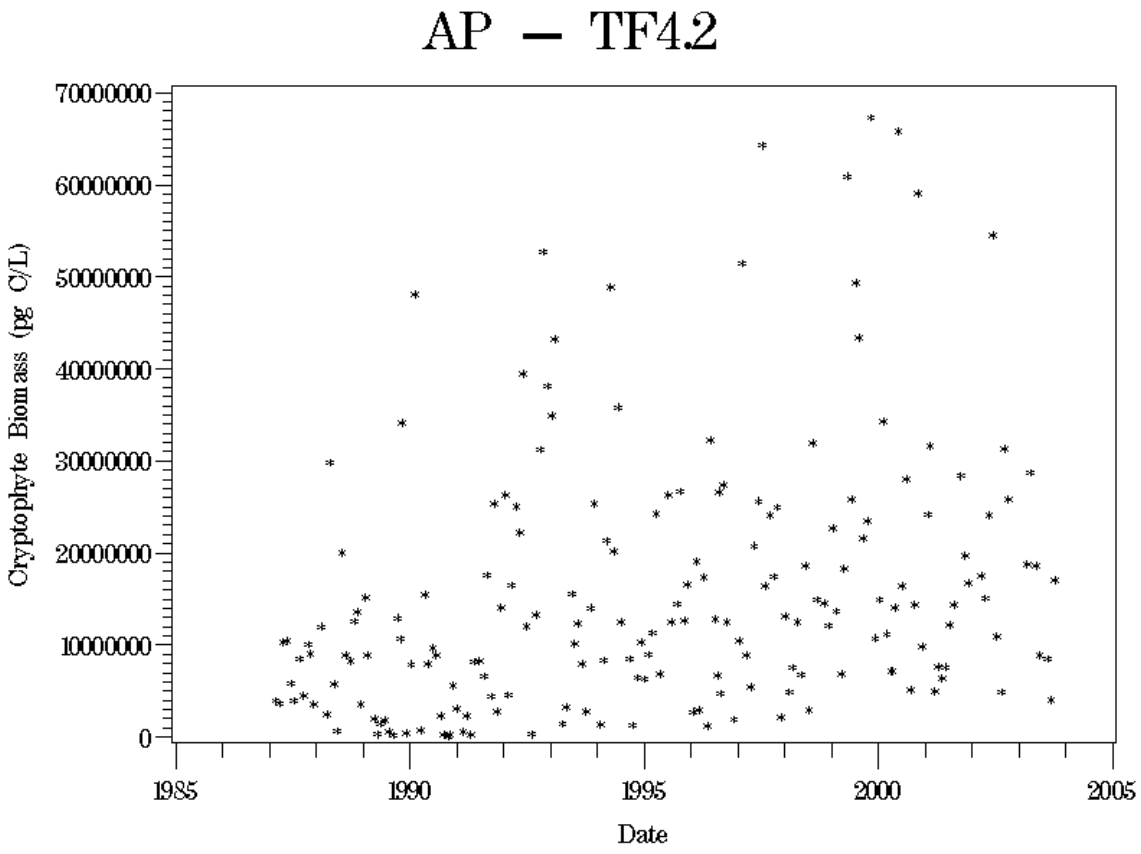

Figure F54. Plot of above pycnocline cryptophyte biomass at station TF4.2 for the period of 1985 through 2003.

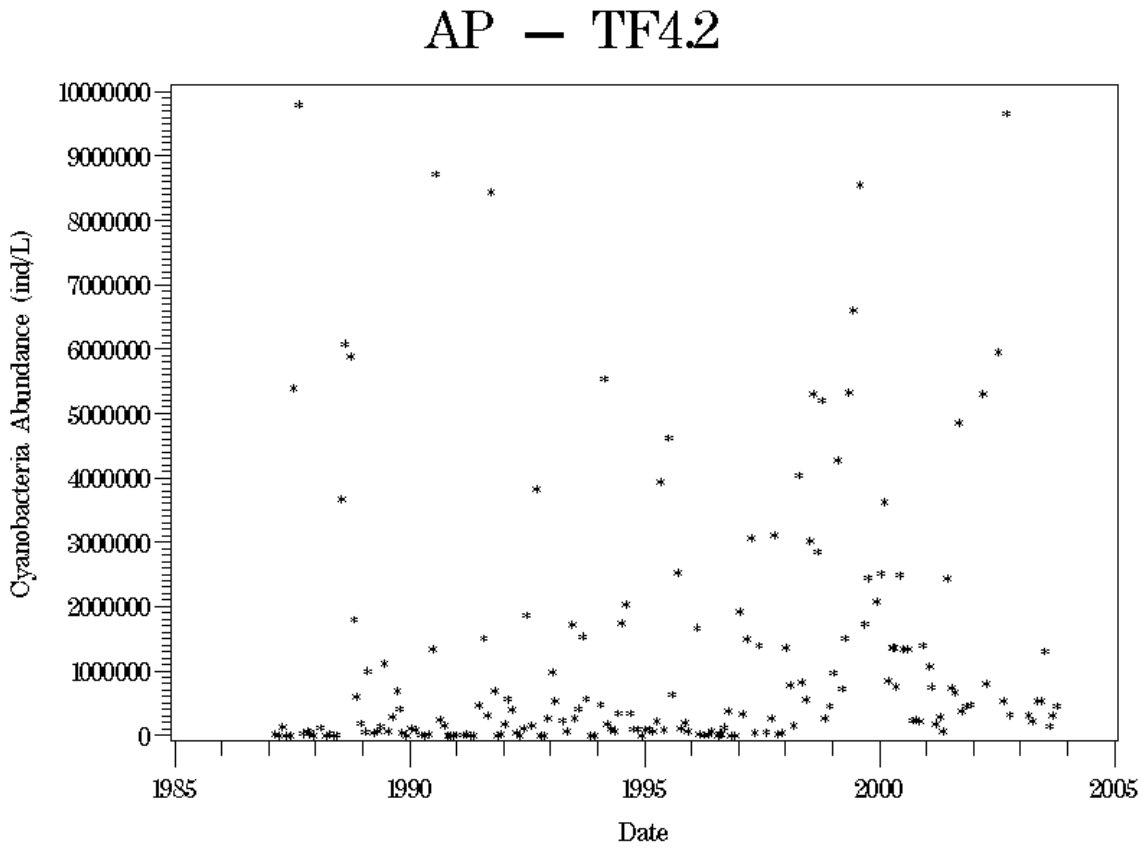

Figure F55. Plot of above pycnocline cyanophyte abundance at station TF4.2 for the period of 1985 through 2003.

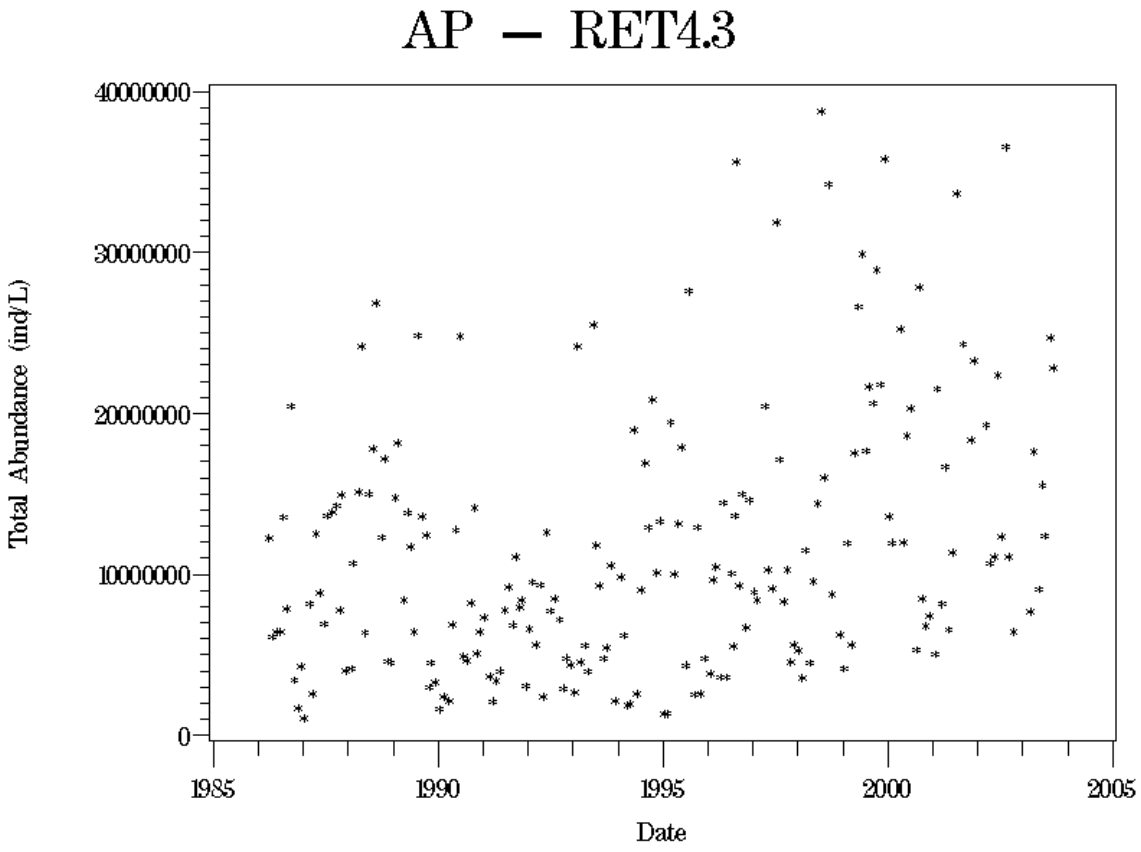

Figure F56. Plot of above pycnocline total phytoplankton abundance against time at station RET4.3 for the period of 1985 through 2003.

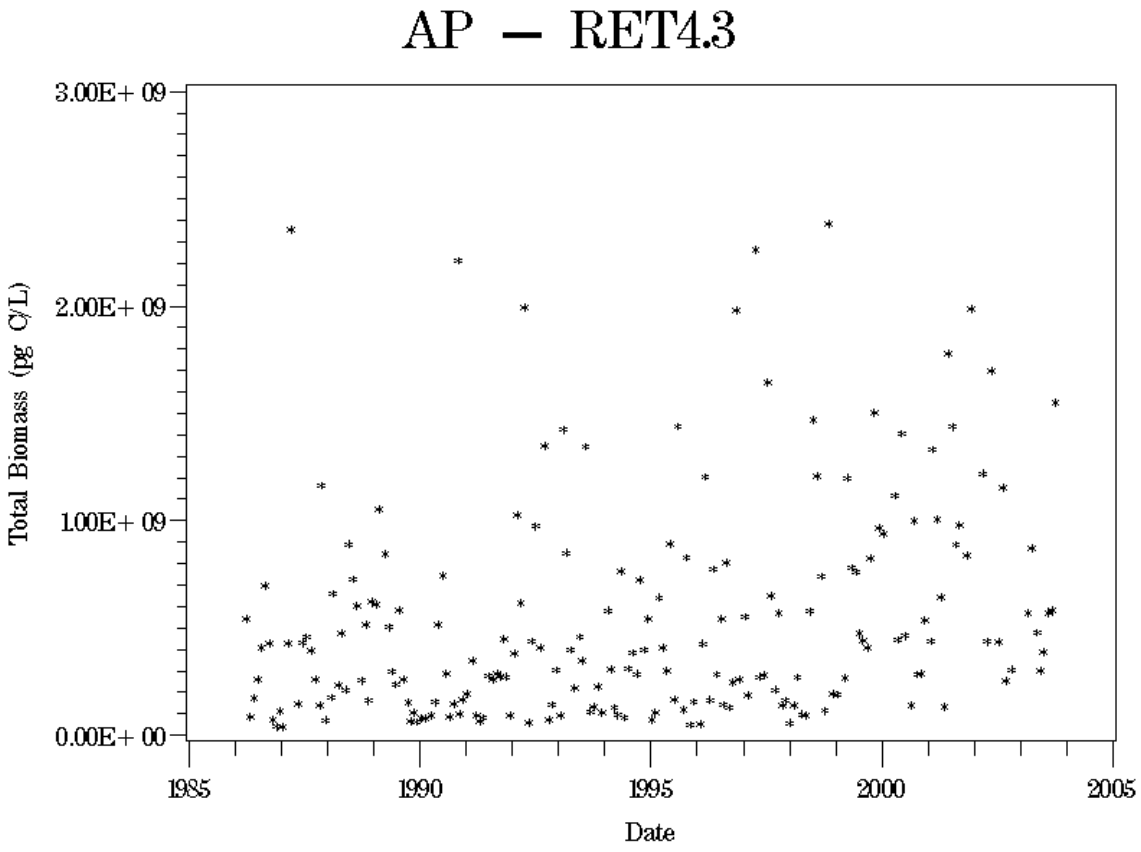

Figure F57. Plot of above pycnocline total phytoplankton biomass against time at station RET4.3 for the period of 1985 through 2003.

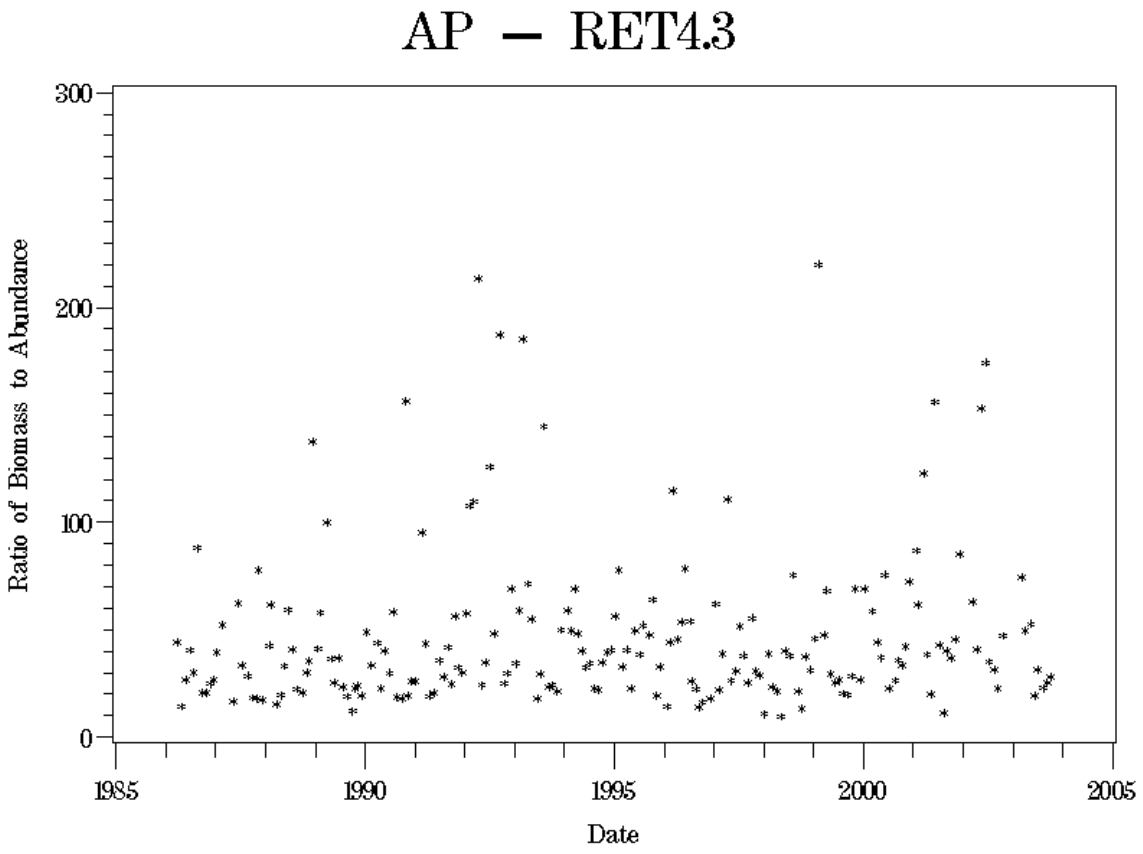

Figure F58. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station RET4.3 for the period of 1985 through 2003.

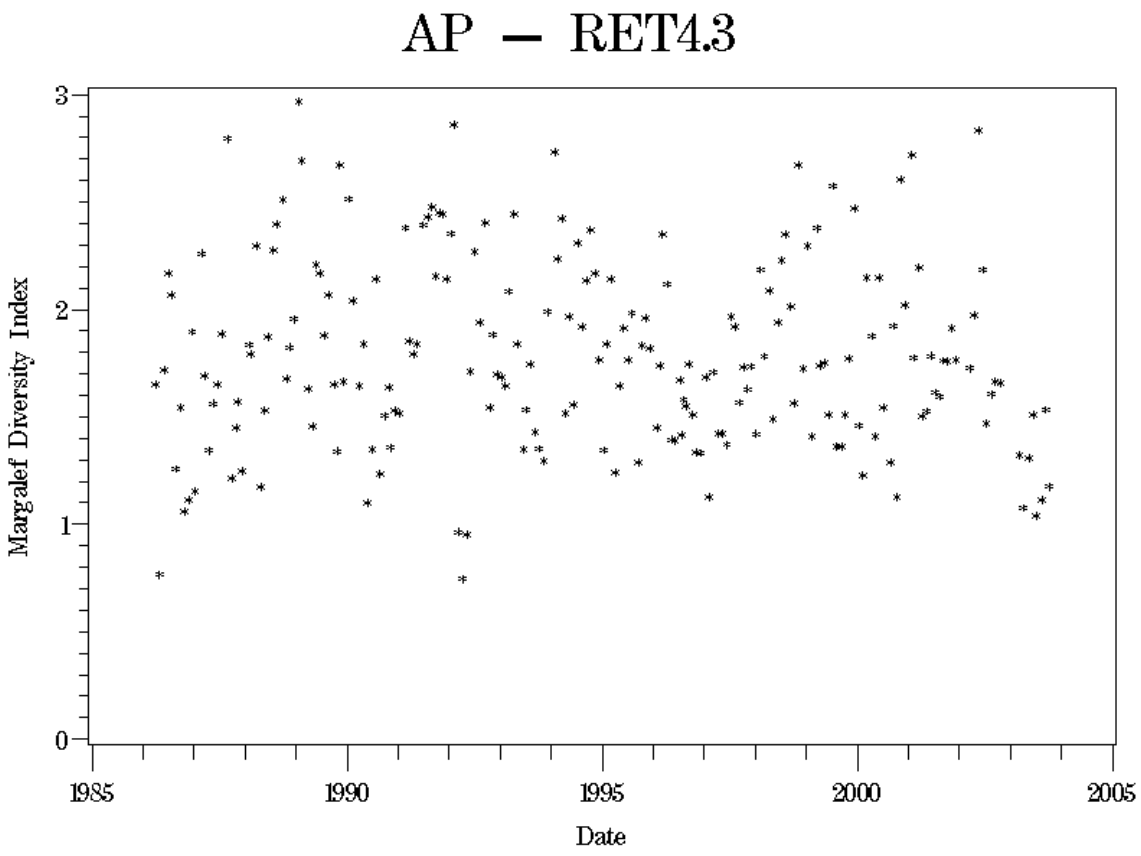

Figure F59. Plot of above pycnocline Margalef diversity index against time at station RET4.3 for the period of 1985 through 2003.

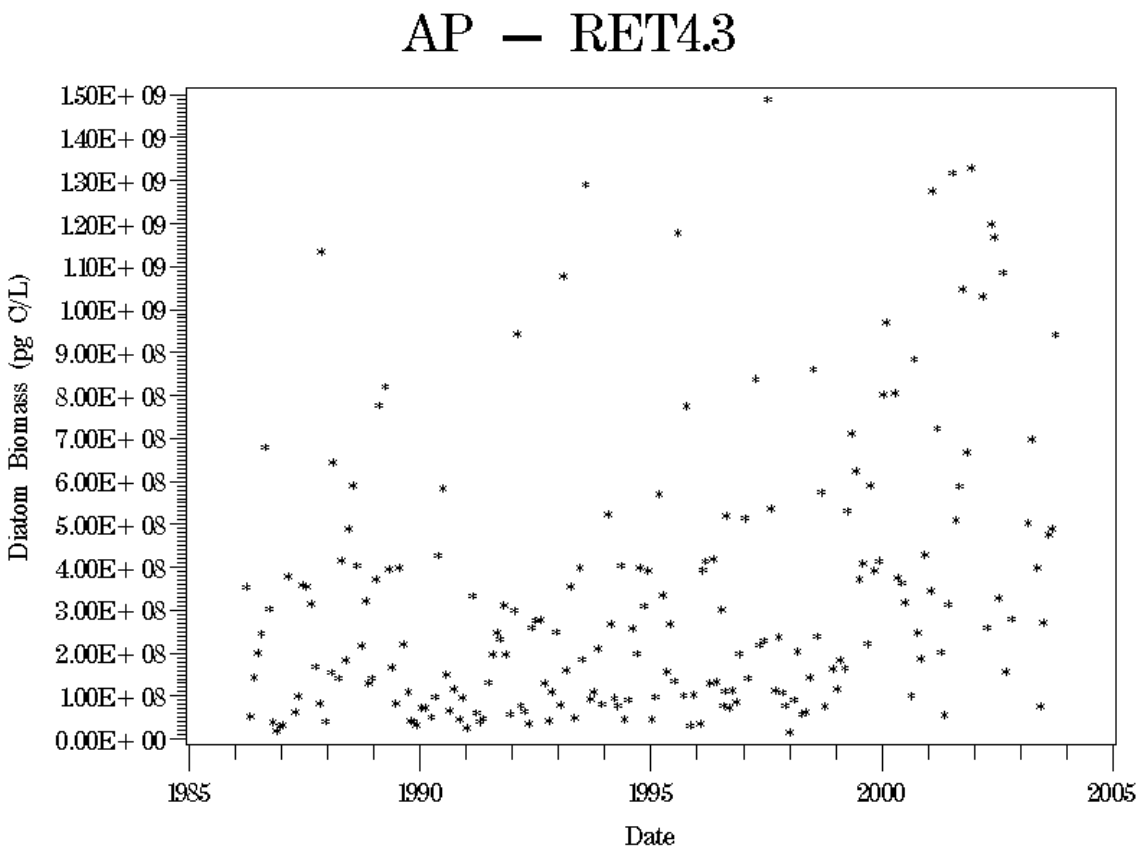

Figure F60. Plot of above pycnocline diatom biomass against time at station RET4.3 for the period of 1985 through 2003.

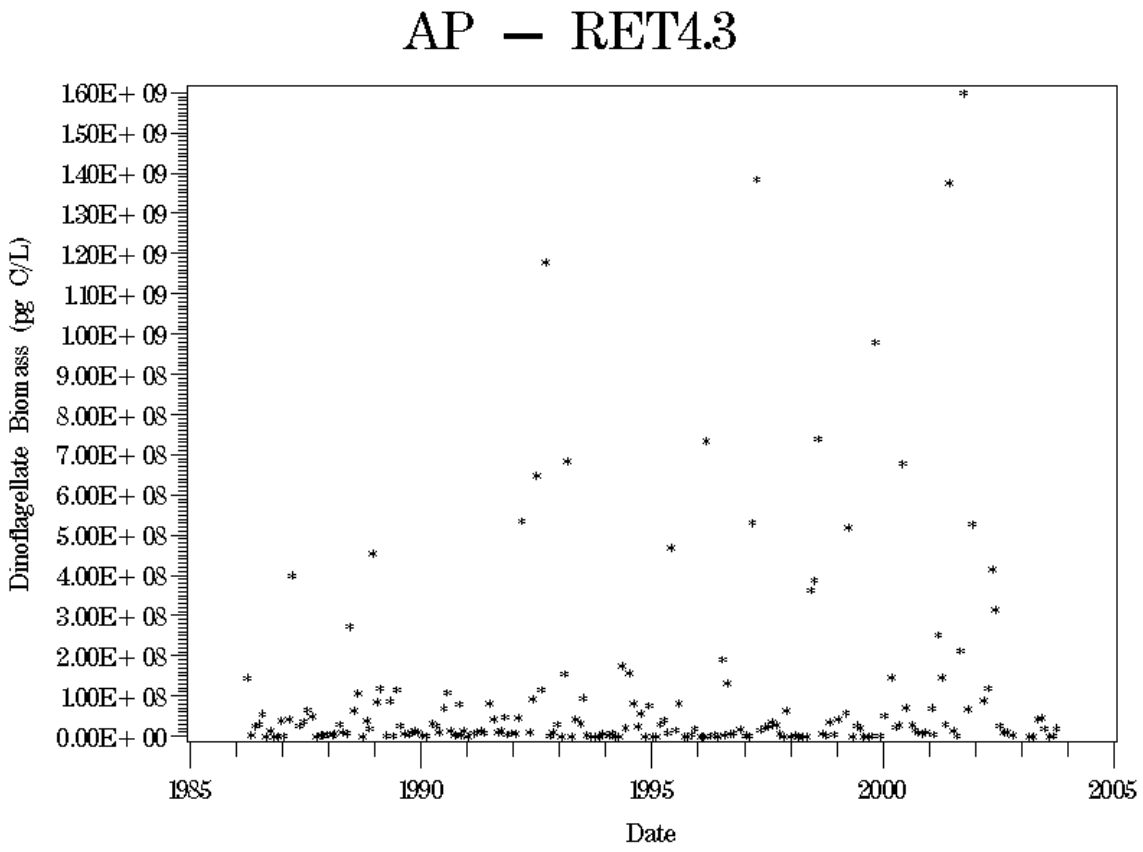

Figure F61. Plot of above pycnocline dinoflagellate biomass against time at station RET4.3 for the period of 1985 through 2003.

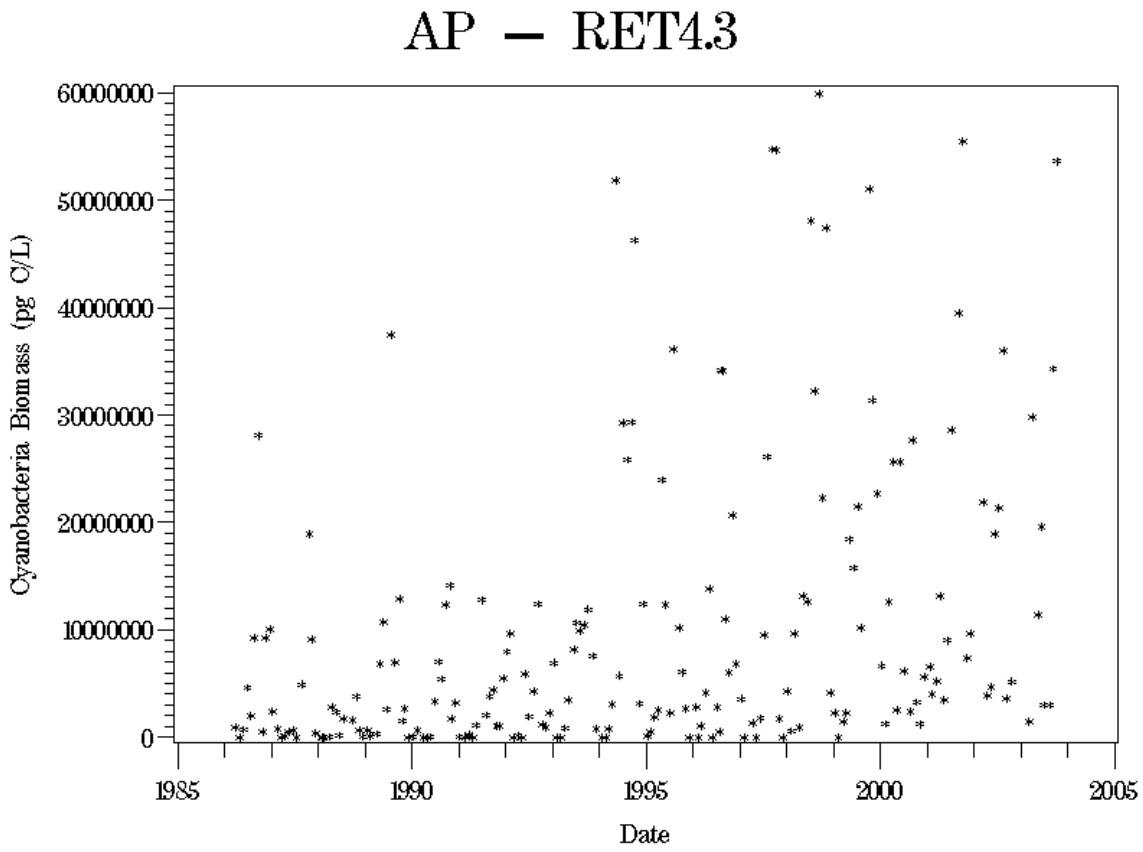

Figure F62. Plot of above pycnocline cyanobacteria biomass against time at station RET4.3 for the period of 1985 through 2003.

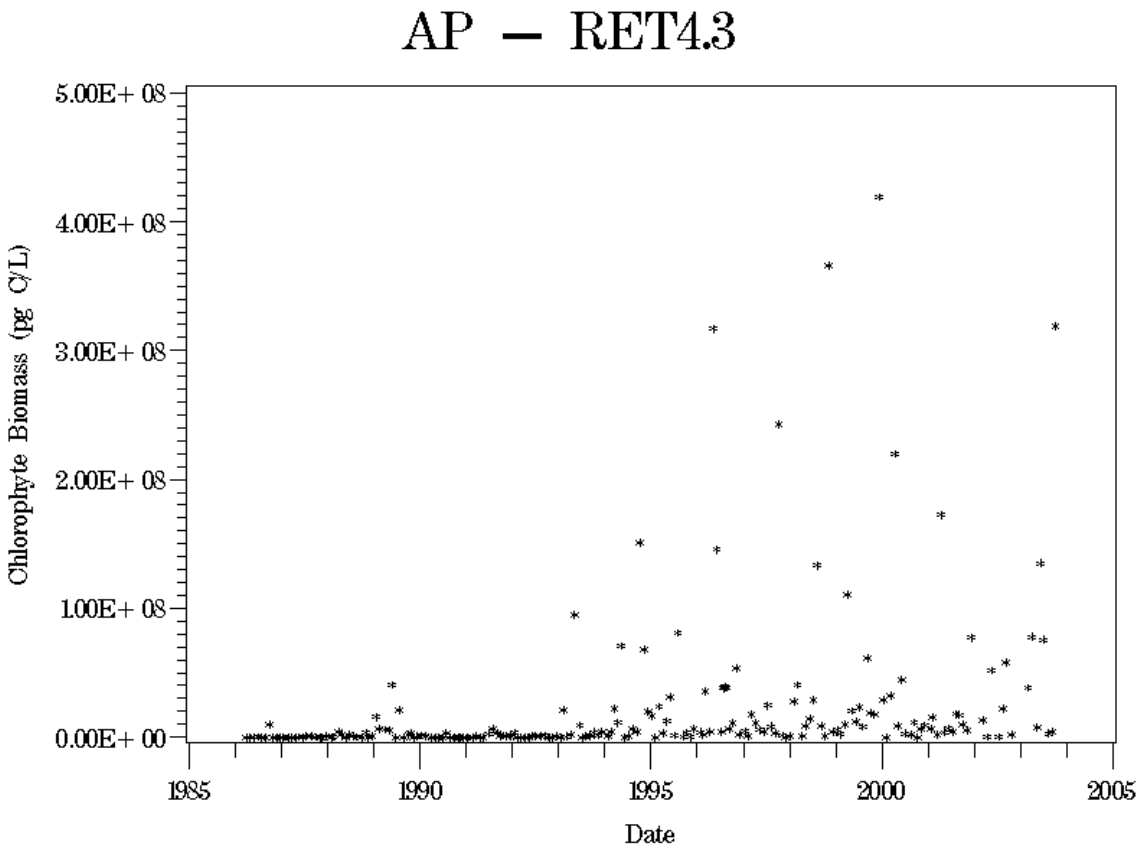

Figure F63. Plot of above pycnocline chlorophyte biomass against time at station RET4.3 for the period of 1985 through 2003.

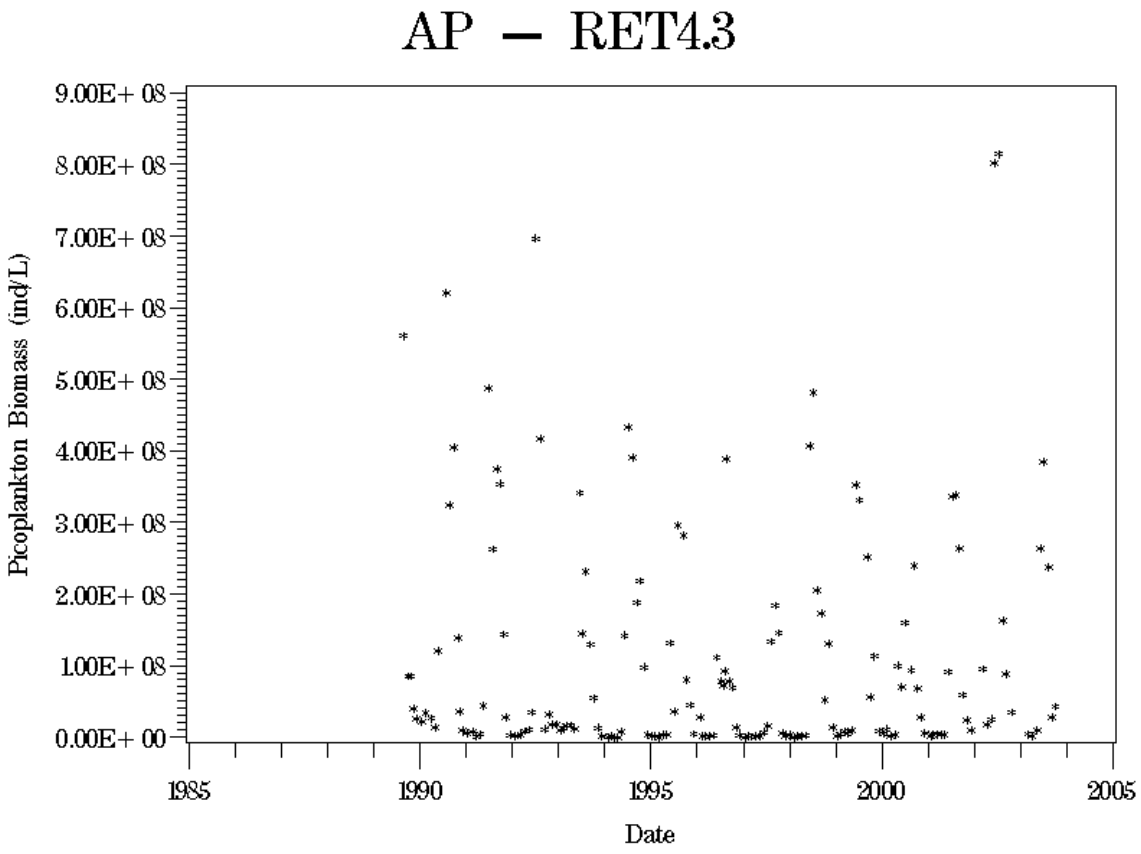

Figure F64. Plot of above pycnocline picoplankton biomass against time at station RET4.3 for the period of 1985 through 2003.

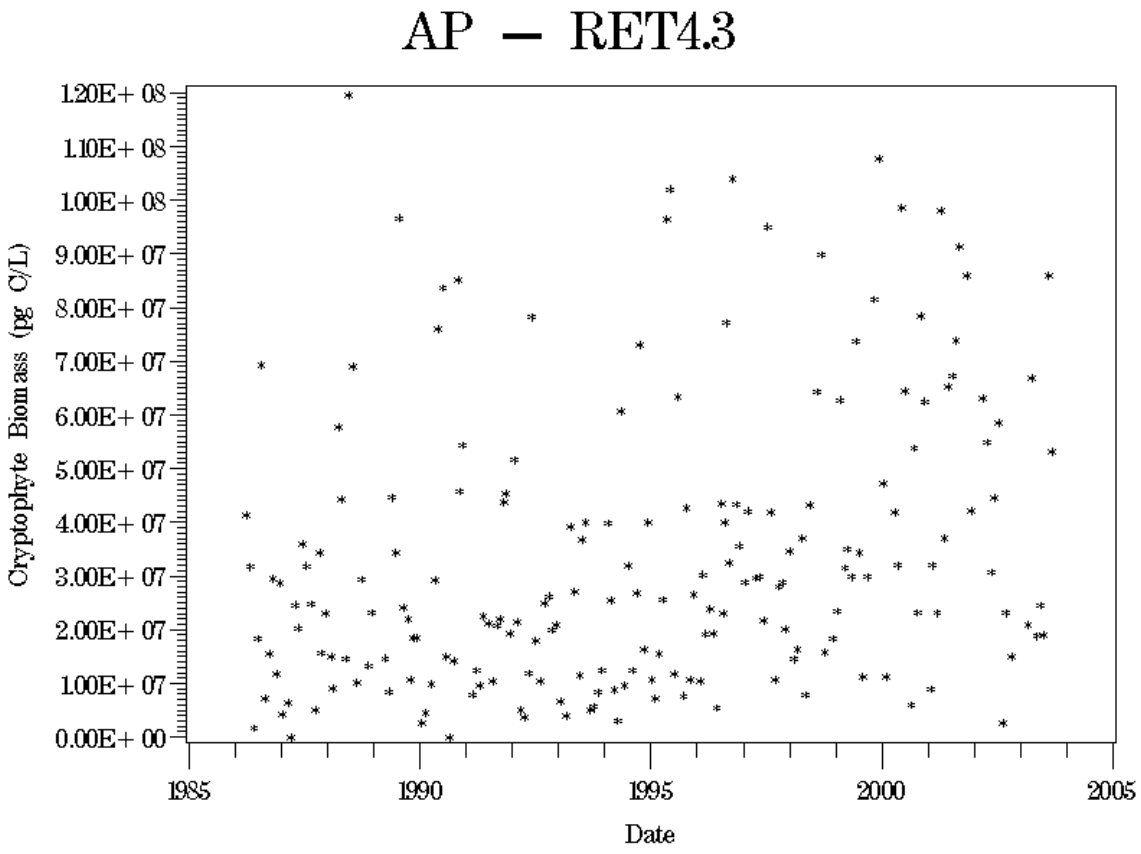

Figure F65. Plot of above pycnocline cryptophyte biomass at station RET4.3 for the period of 1985 through 2003.

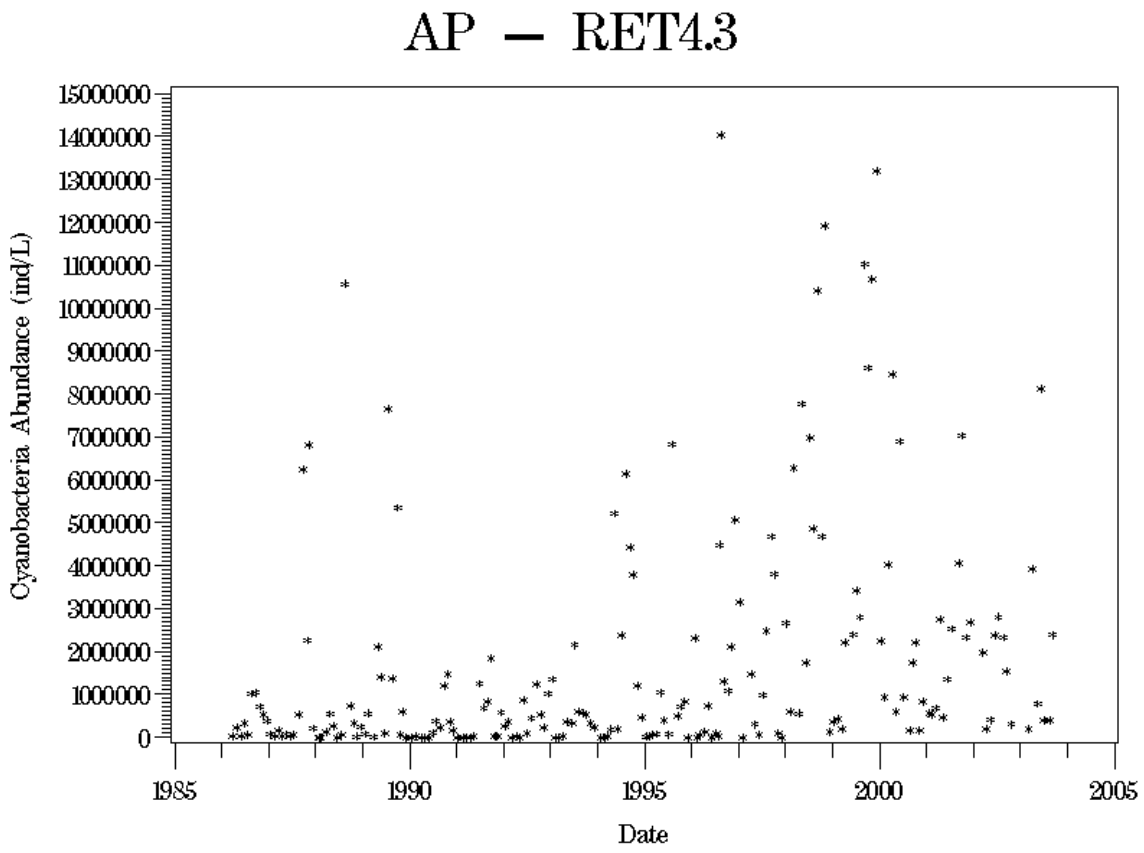

Figure F66. Plot of above pycnocline cyanophyte abundance at station RET4.3 for the period of 1985 through 2003.

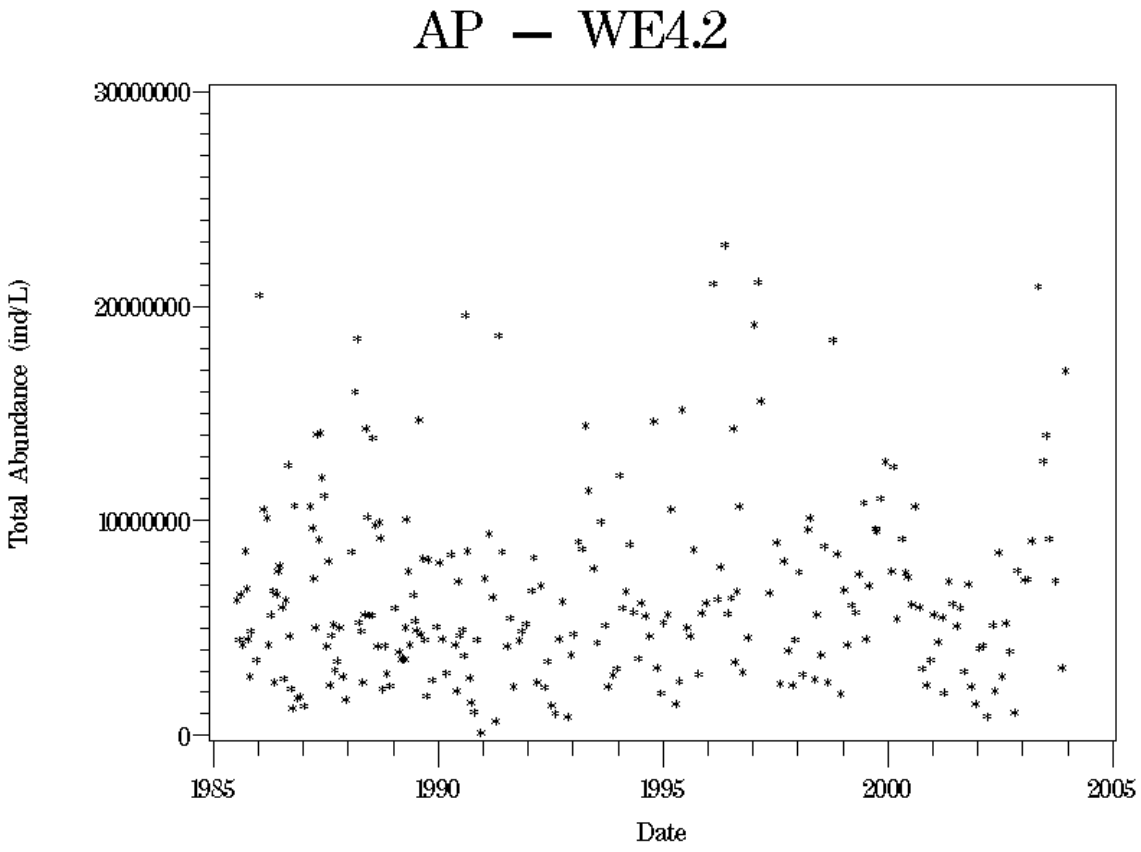

Figure F67. Plot of above pycnocline total phytoplankton abundance against time at station WE4.2 for the period of 1985 through 2003.

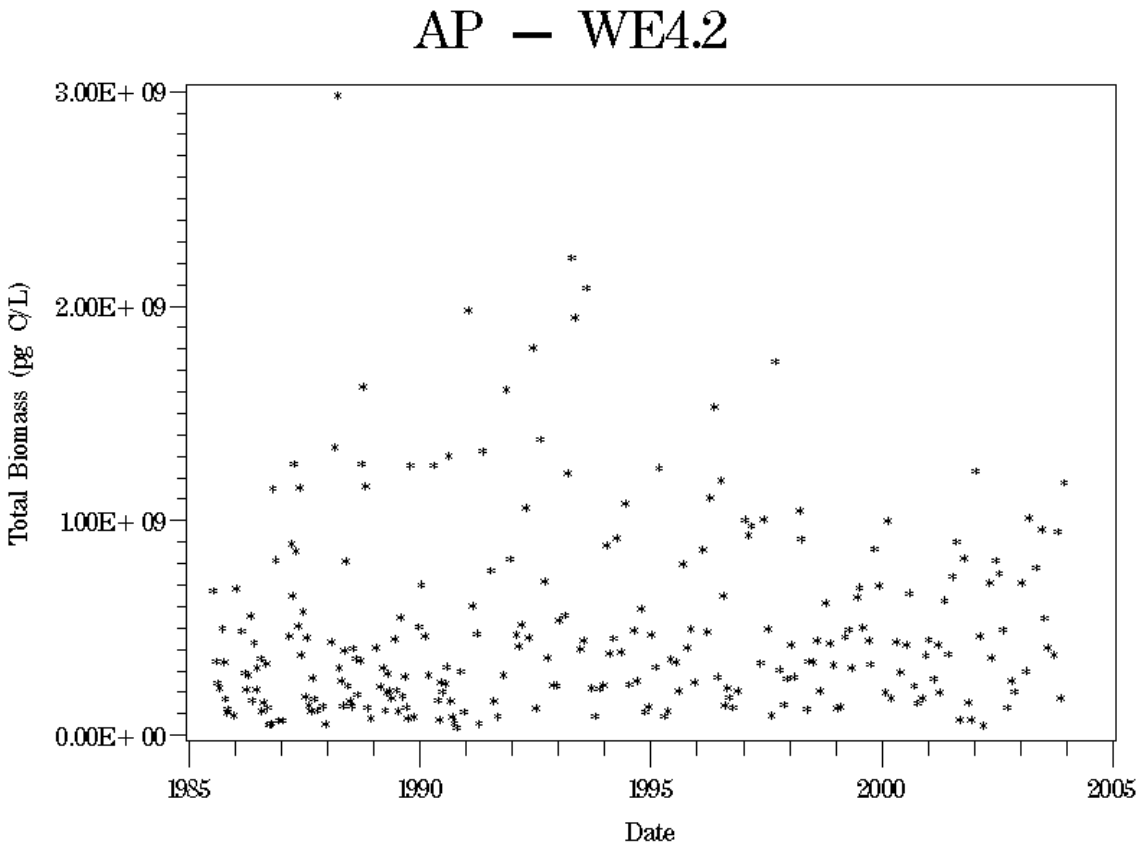

Figure F68. Plot of above pycnocline total phytoplankton biomass against time at station WE4.2 for the period of 1985 through 2003.

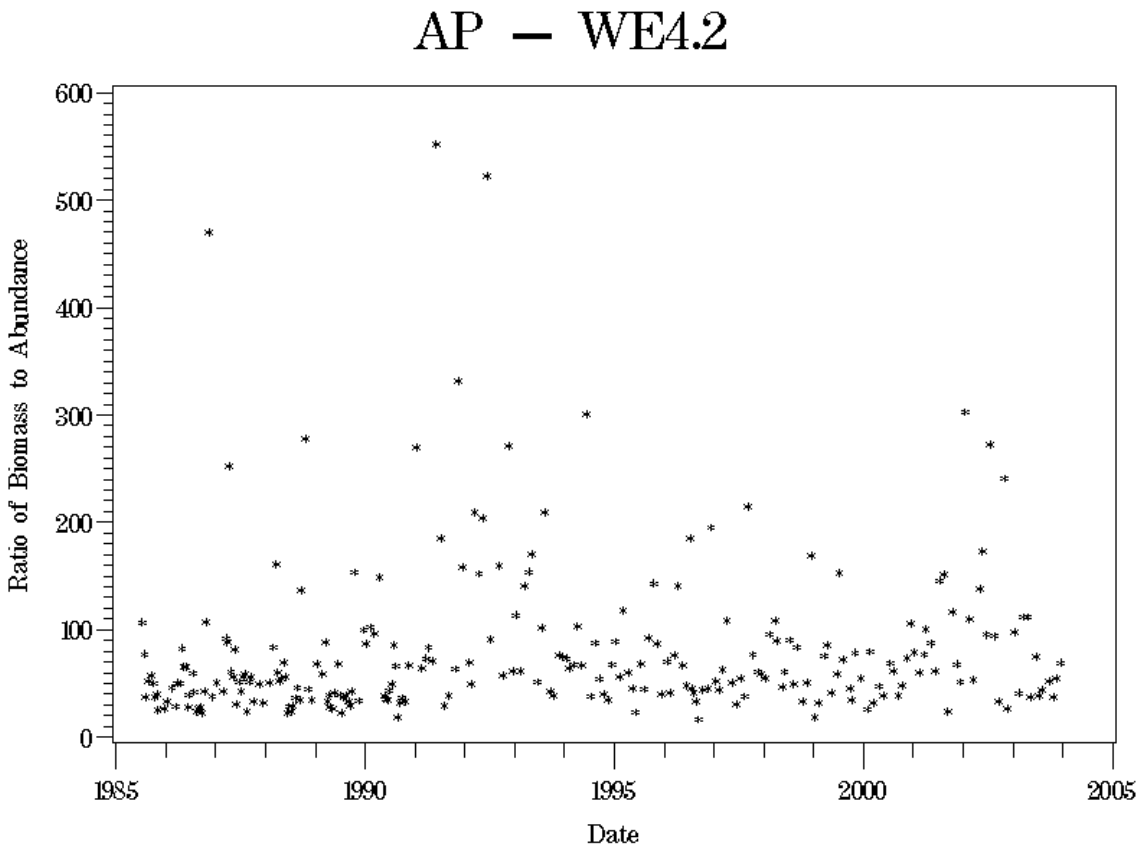

Figure F69. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station WE4.2 for the period of 1985 through 2003.

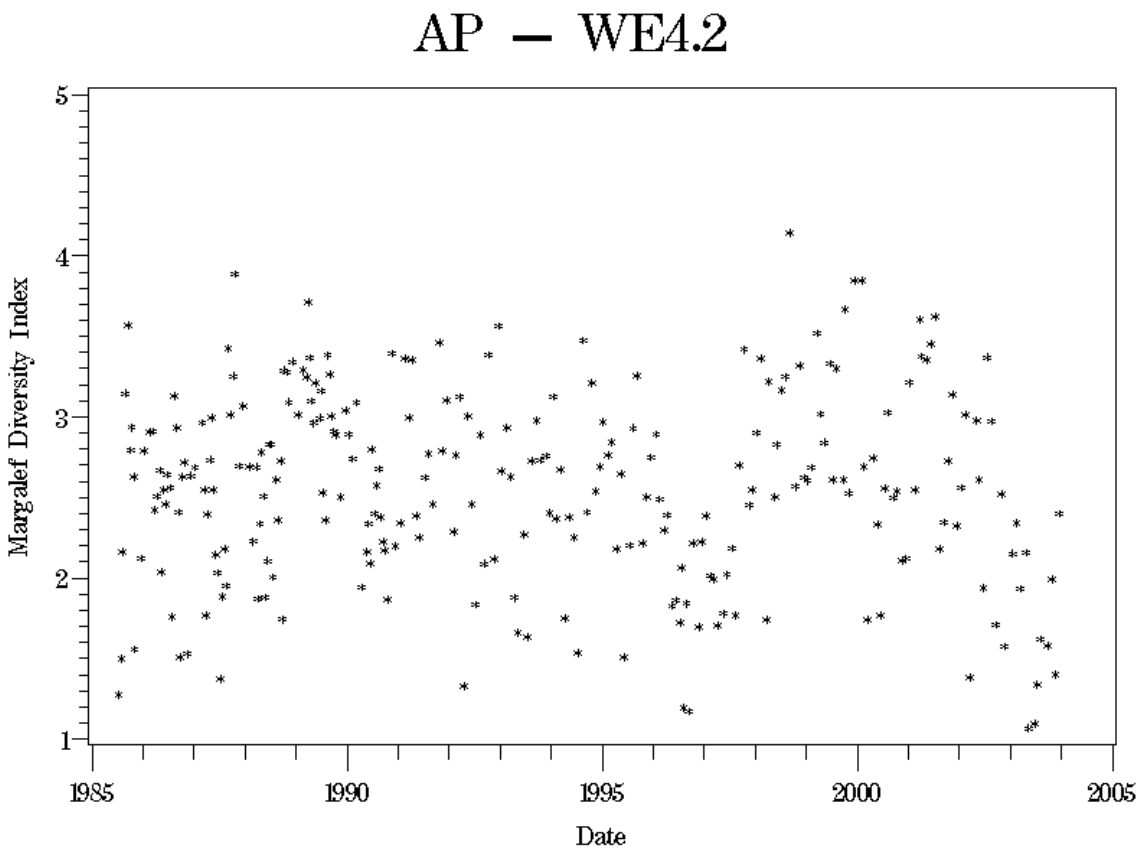

Figure F70. Plot of above pycnocline Margalef diversity index against time at station WE4.2 for the period of 1985 through 2003.

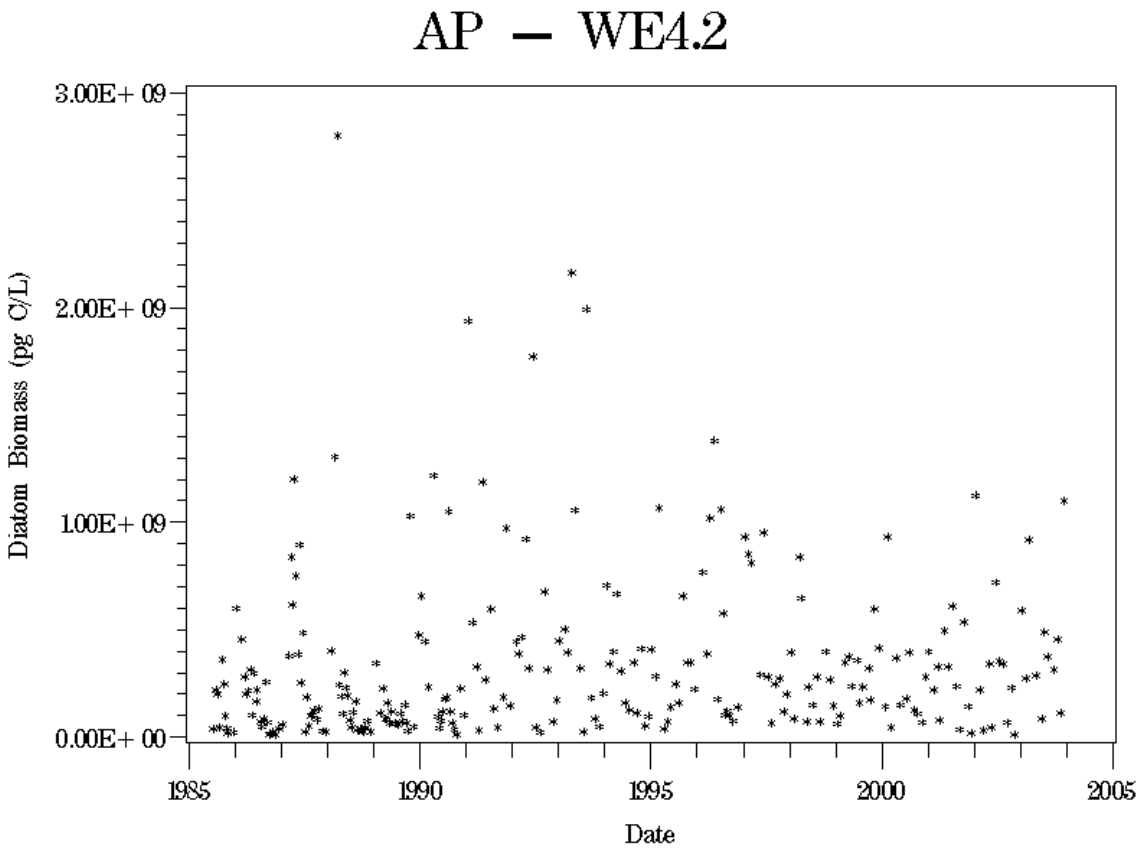

Figure F71. Plot of above pycnocline diatom biomass against time at station WE4.2 for the period of 1985 through 2003.

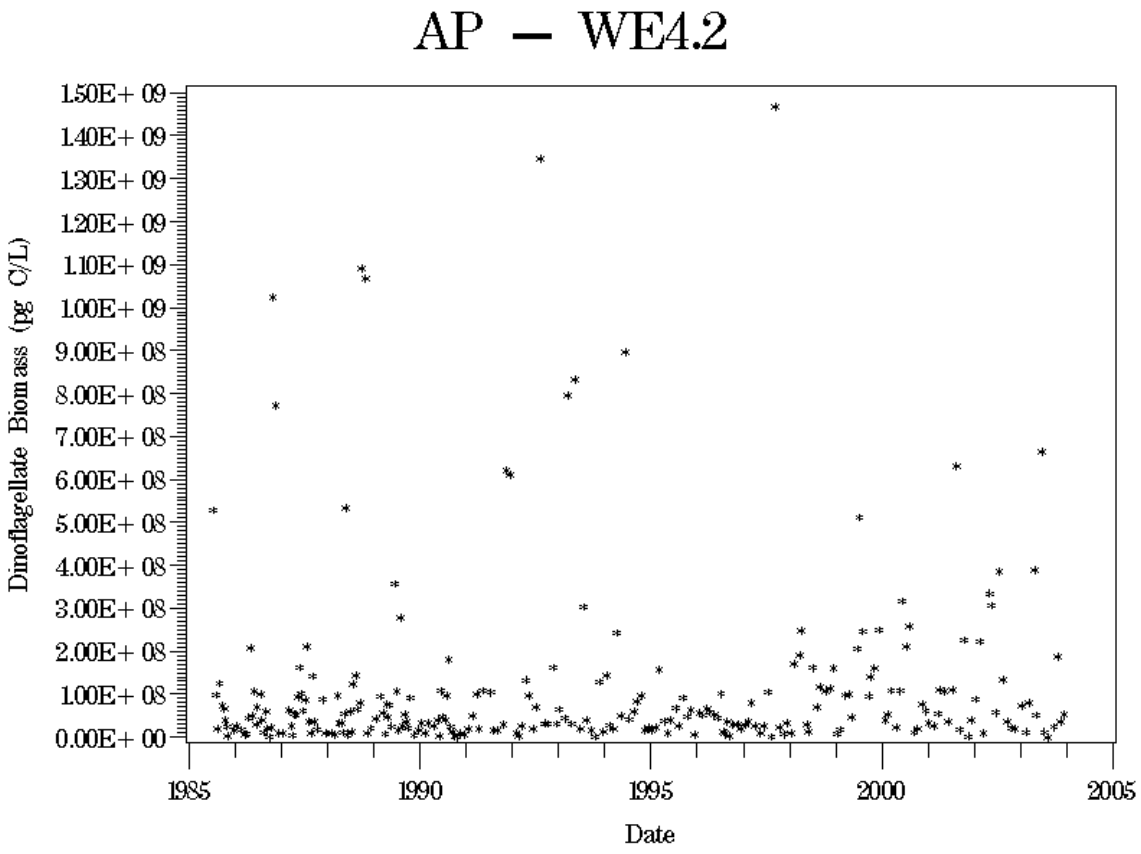

Figure F72. Plot of above pycnocline dinoflagellate biomass against time at station WE4.2 for the period of 1985 through 2003.

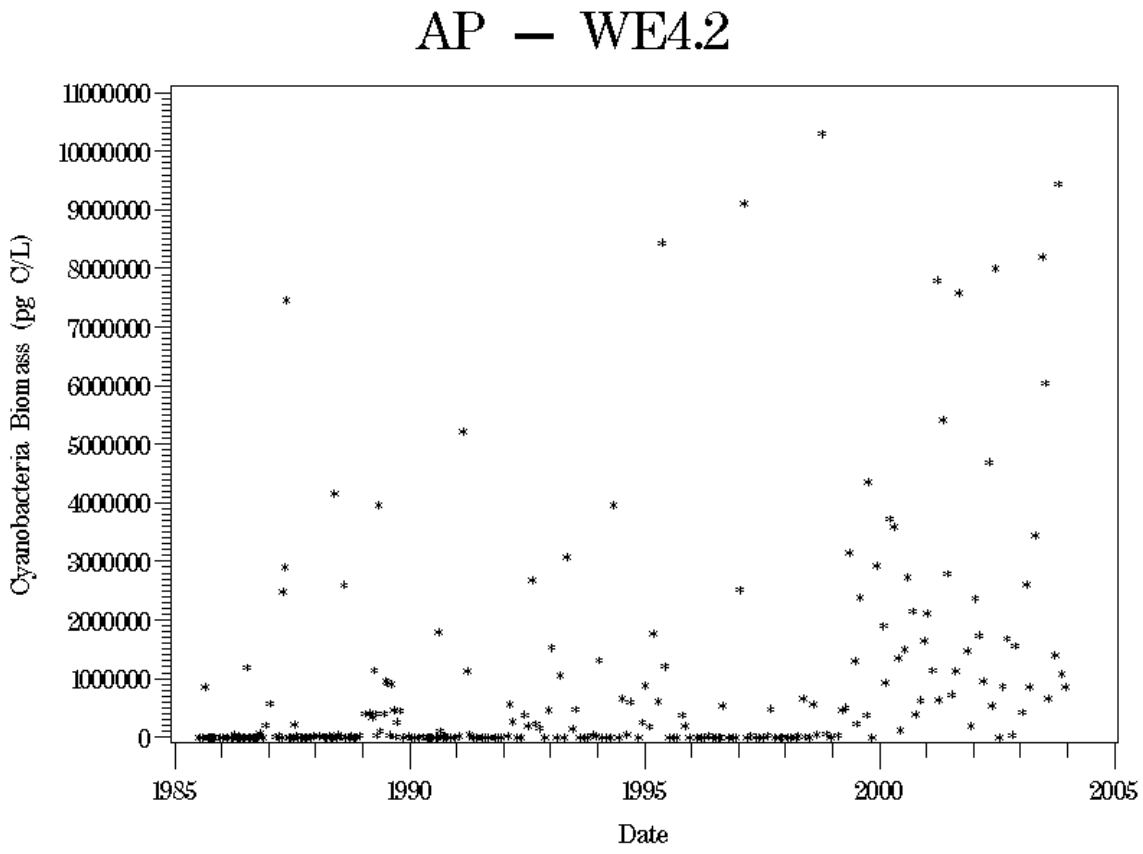

Figure F73. Plot of above pycnocline cyanobacteria biomass against time at station WE4.2 for the period of 1985 through 2003.

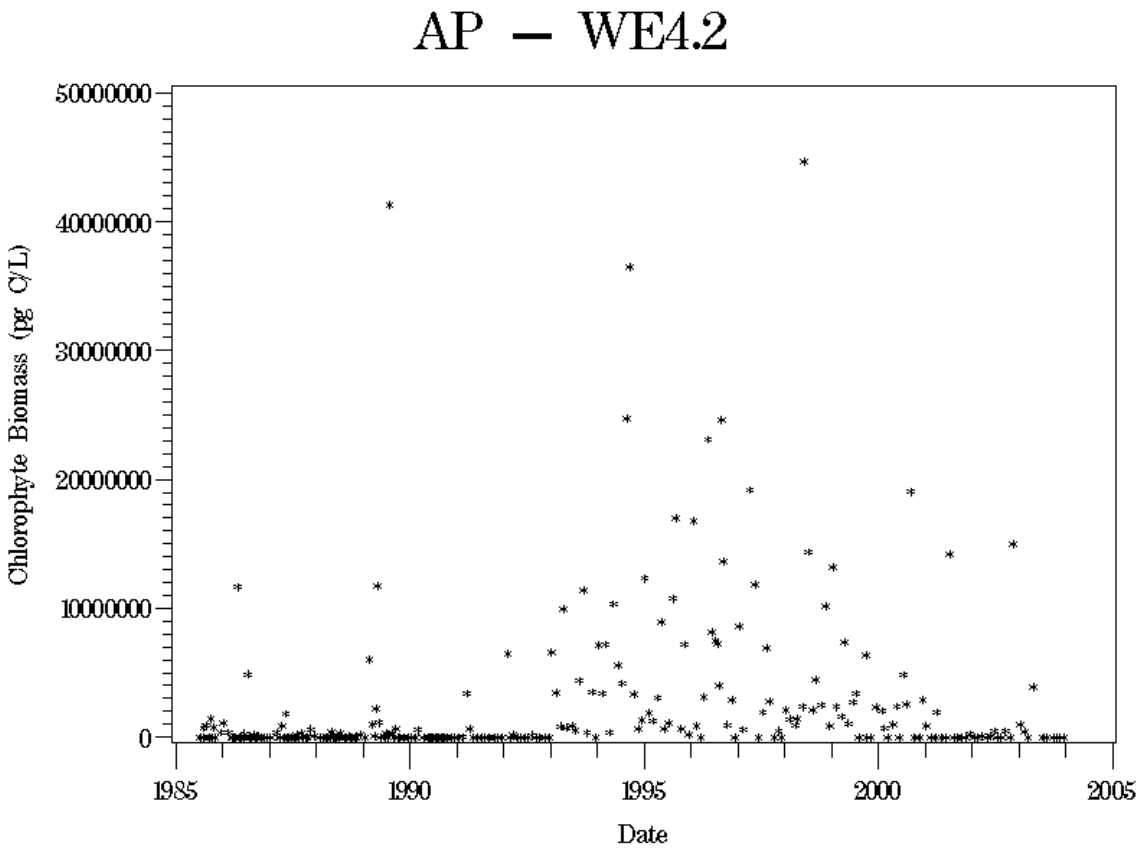

Figure F74. Plot of above pycnocline chlorophyte biomass against time at station WE4.2 for the period of 1985 through 2003.

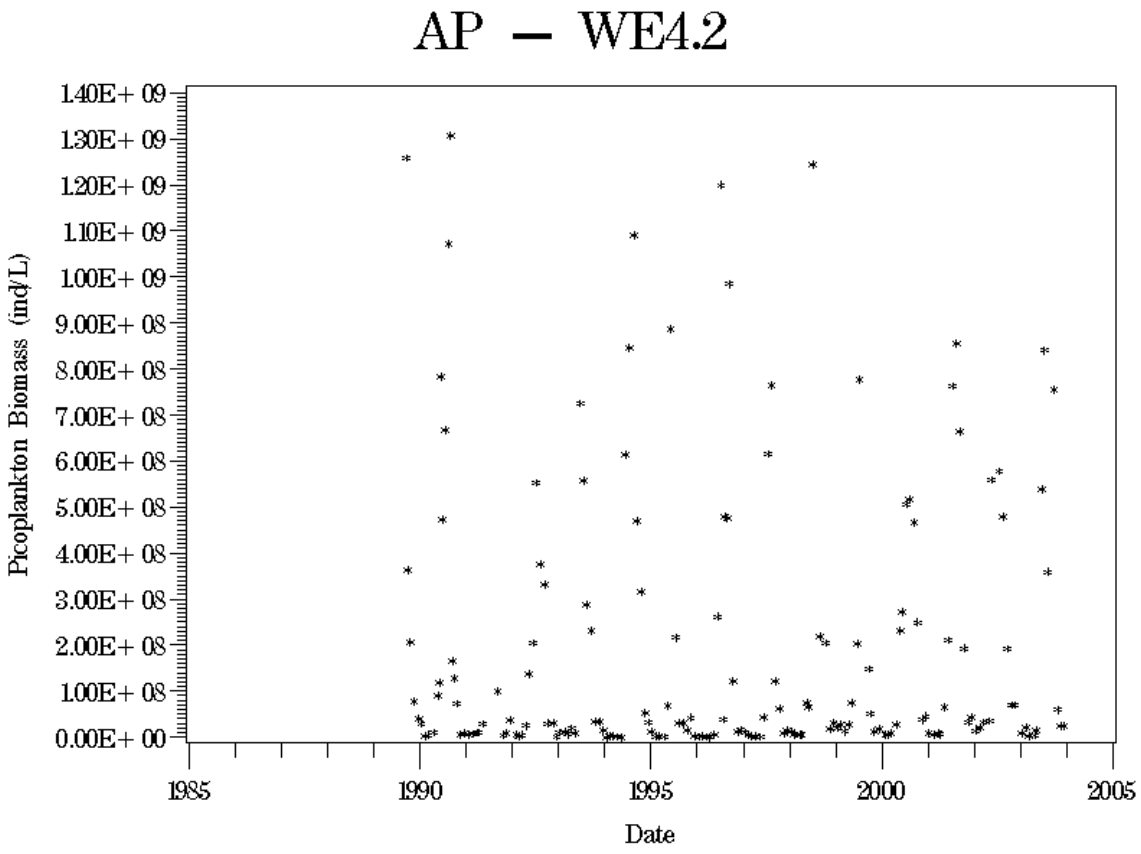

Figure F75. Plot of above pycnocline picoplankton biomass against time at station WE4.2 for the period of 1985 through 2003.

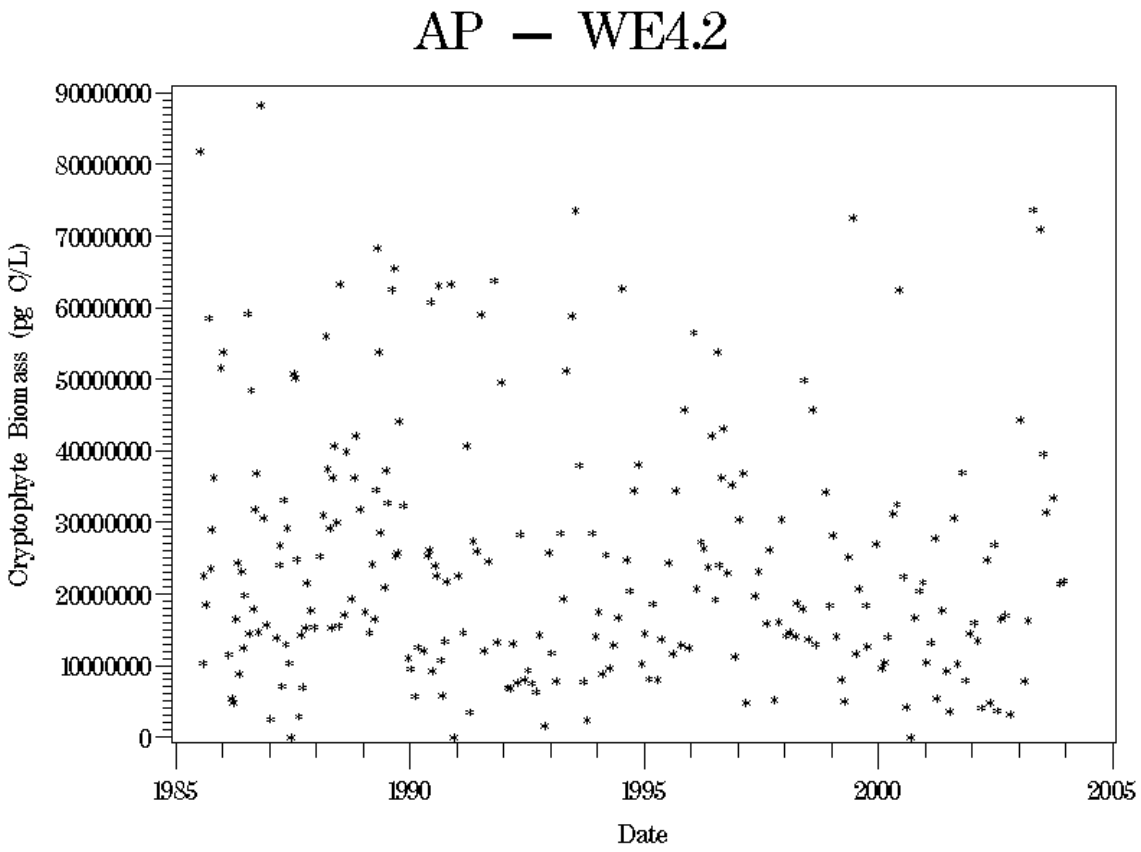

Figure F76. Plot of above pycnocline cryptophyte biomass at station WE4.2 for the period of 1985 through 2003.

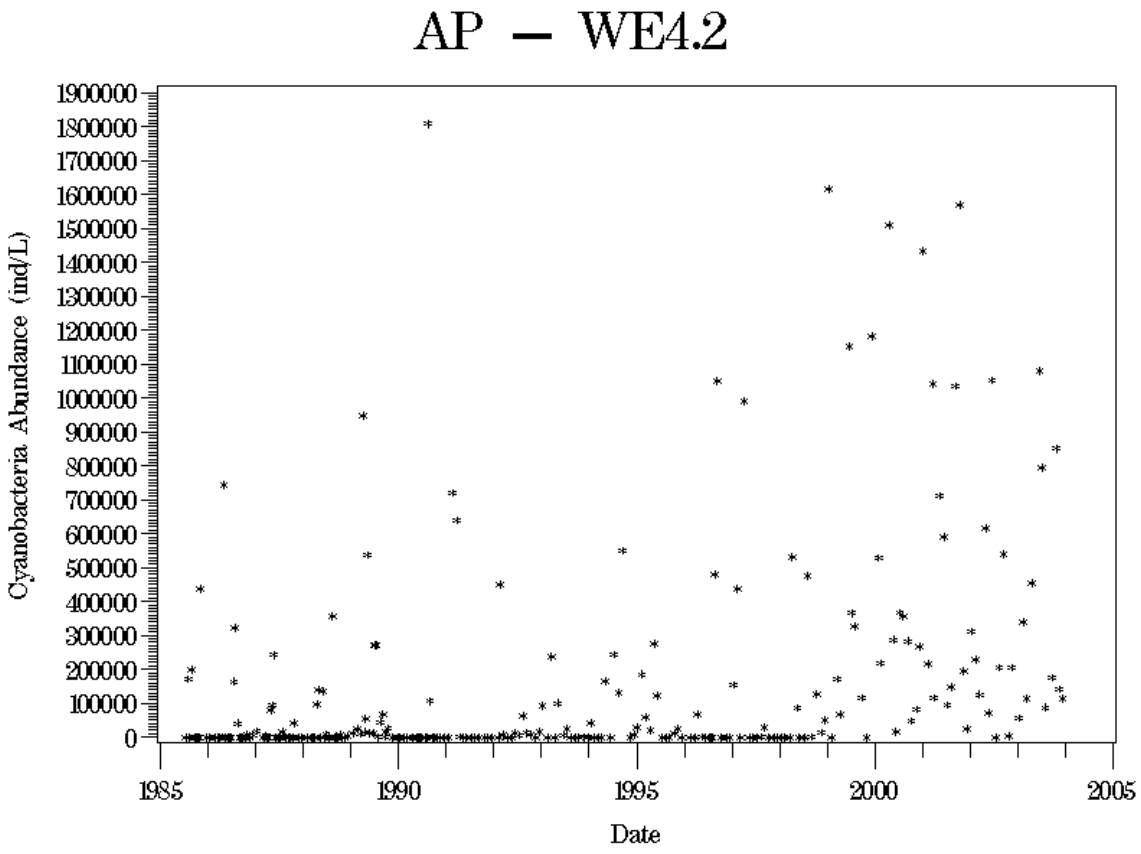

Figure F77. Plot of above pycnocline cyanophyte abundance at station WE4.2 for the period of 1985 through 2003.

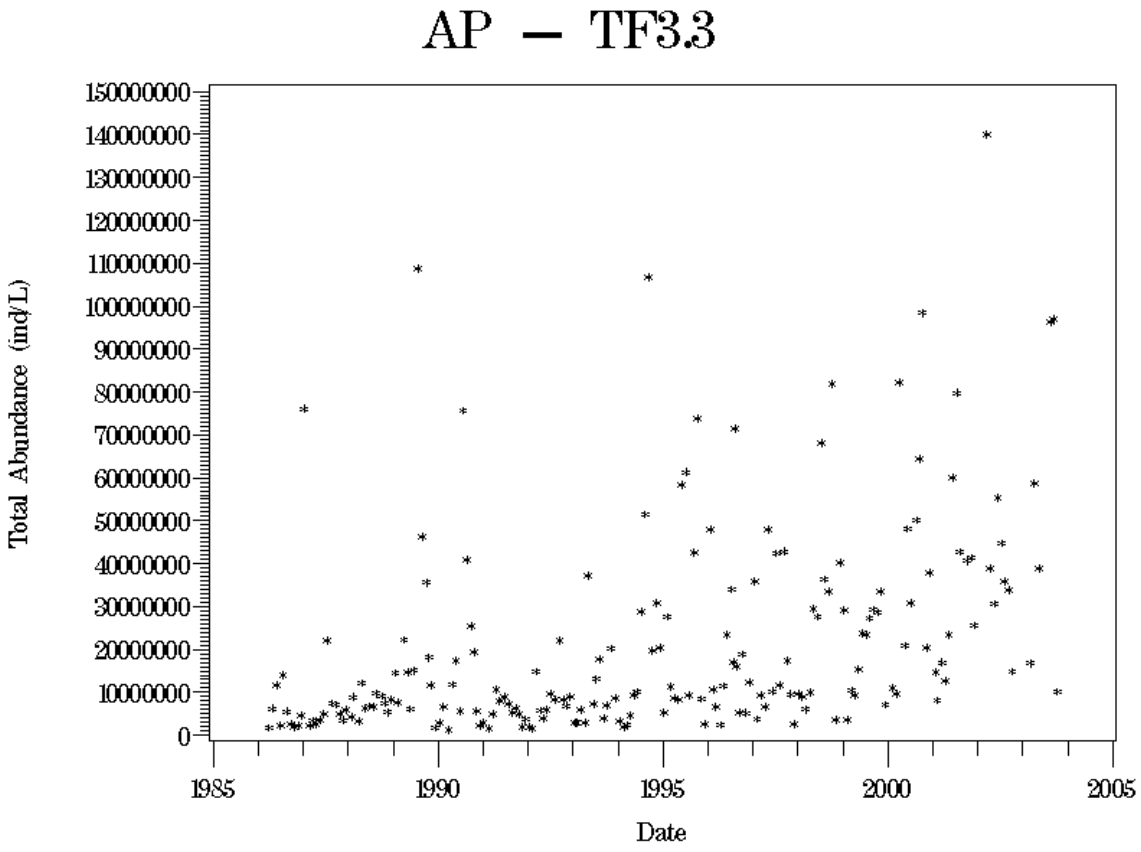

Figure F78. Plot of above pycnocline total phytoplankton abundance against time at station TF3.3 for the period of 1985 through 2003.

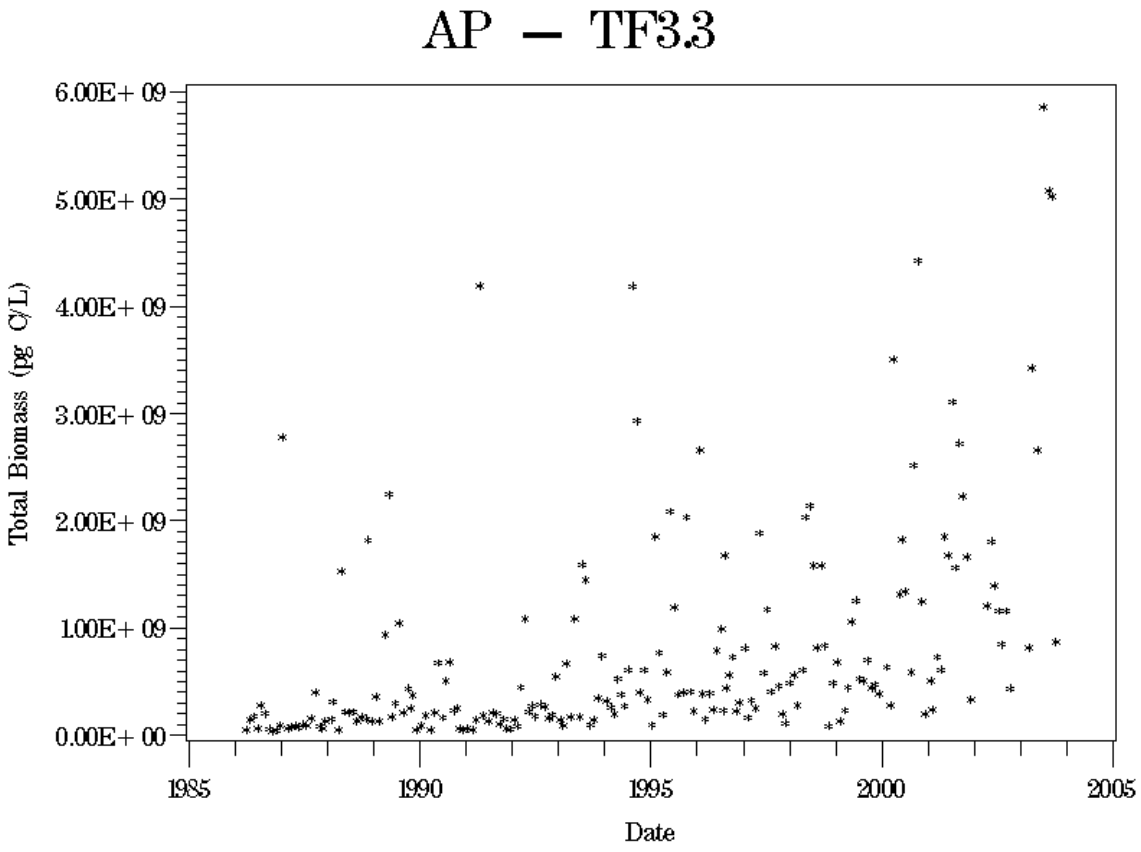

Figure F79. Plot of above pycnocline total phytoplankton biomass against time at station TF3.3 for the period of 1985 through 2003.

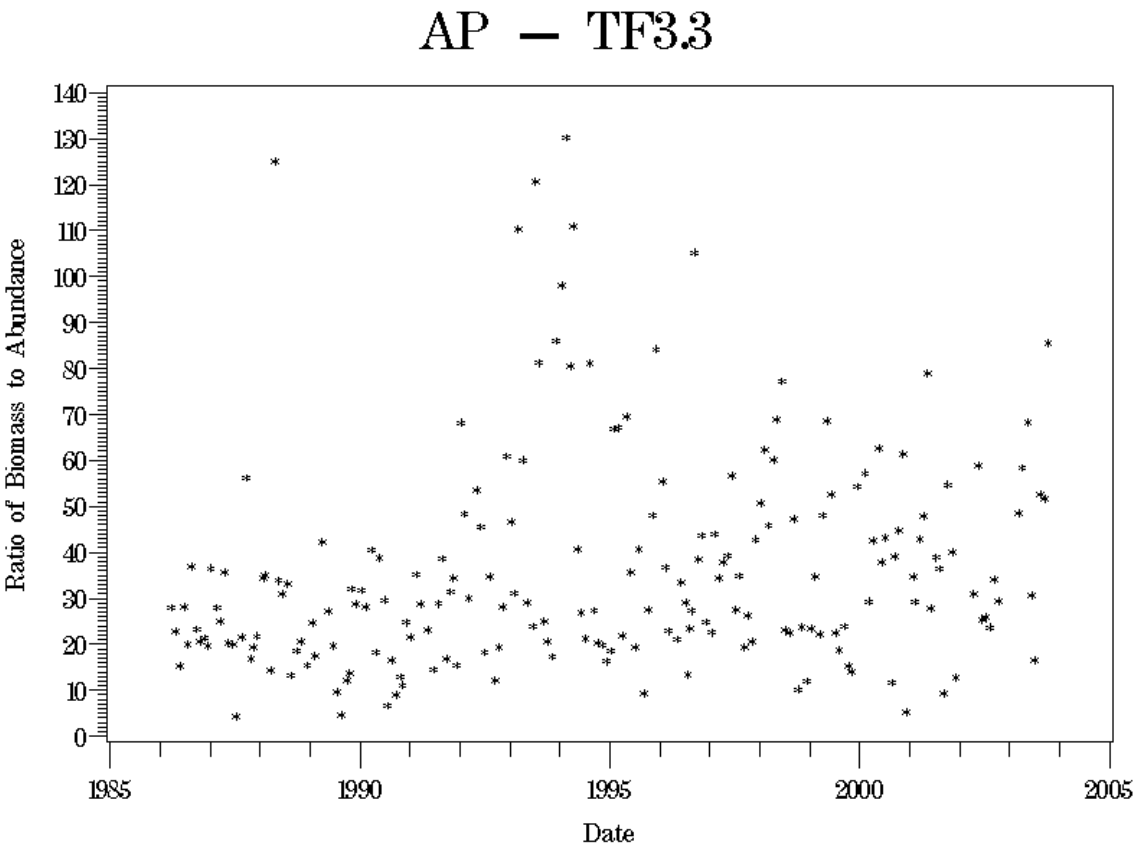

Figure F80. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station TF3.3 for the period of 1985 through 2003.

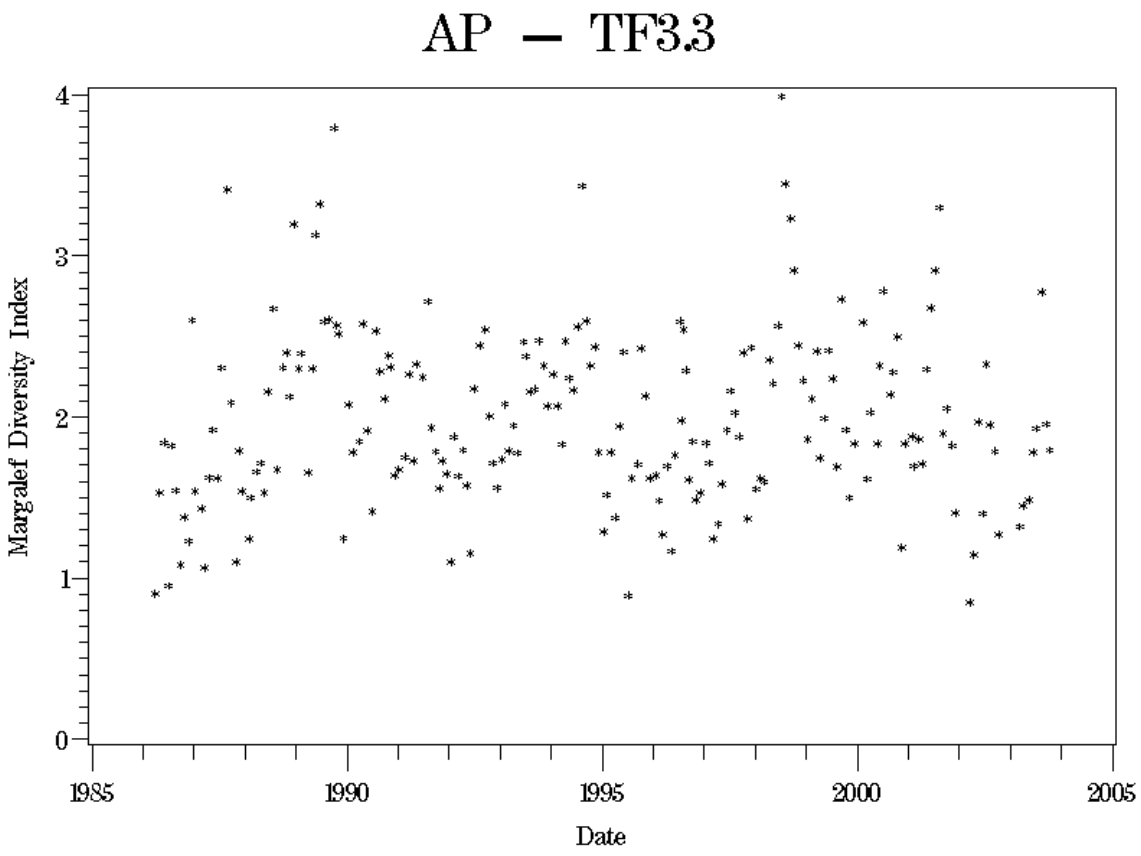

Figure F81. Plot of above pycnocline Margalef diversity index against time at station TF3.3 for the period of 1985 through 2003.

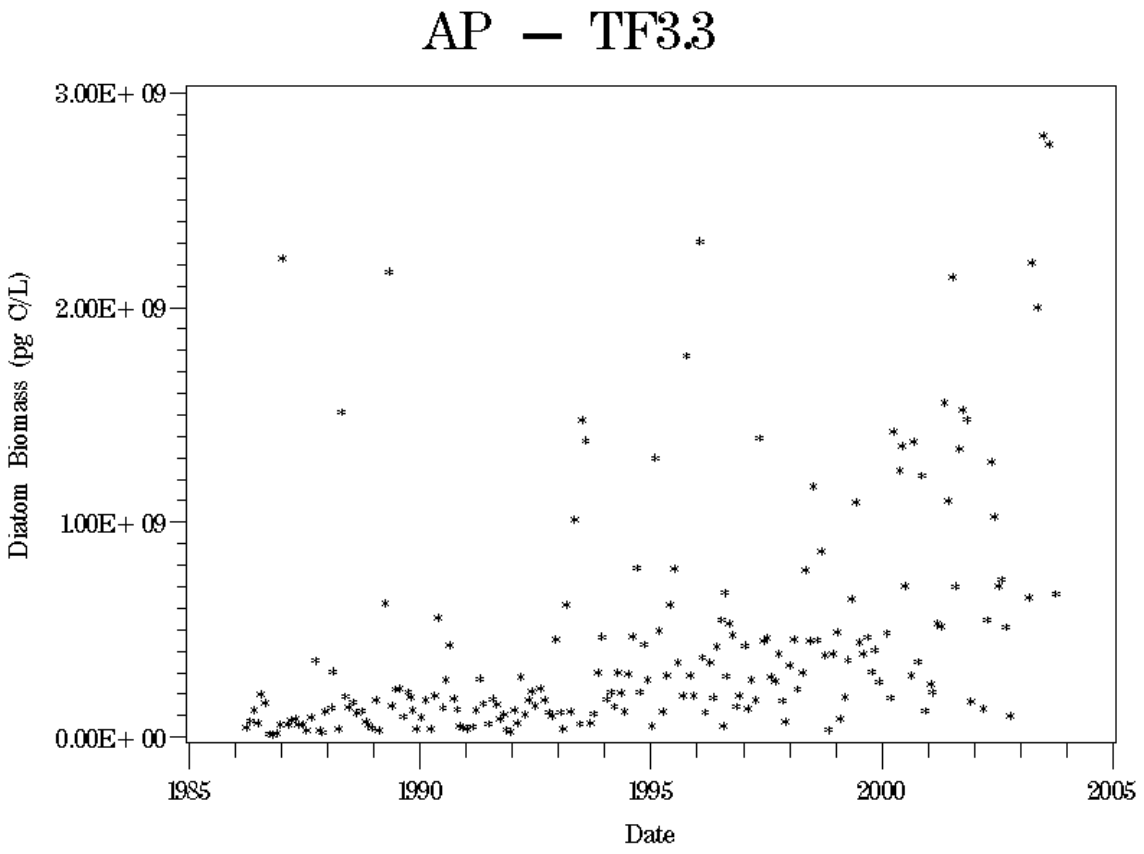

Figure F82. Plot of above pycnocline diatom biomass against time at station TF3.3 for the period of 1985 through 2003.

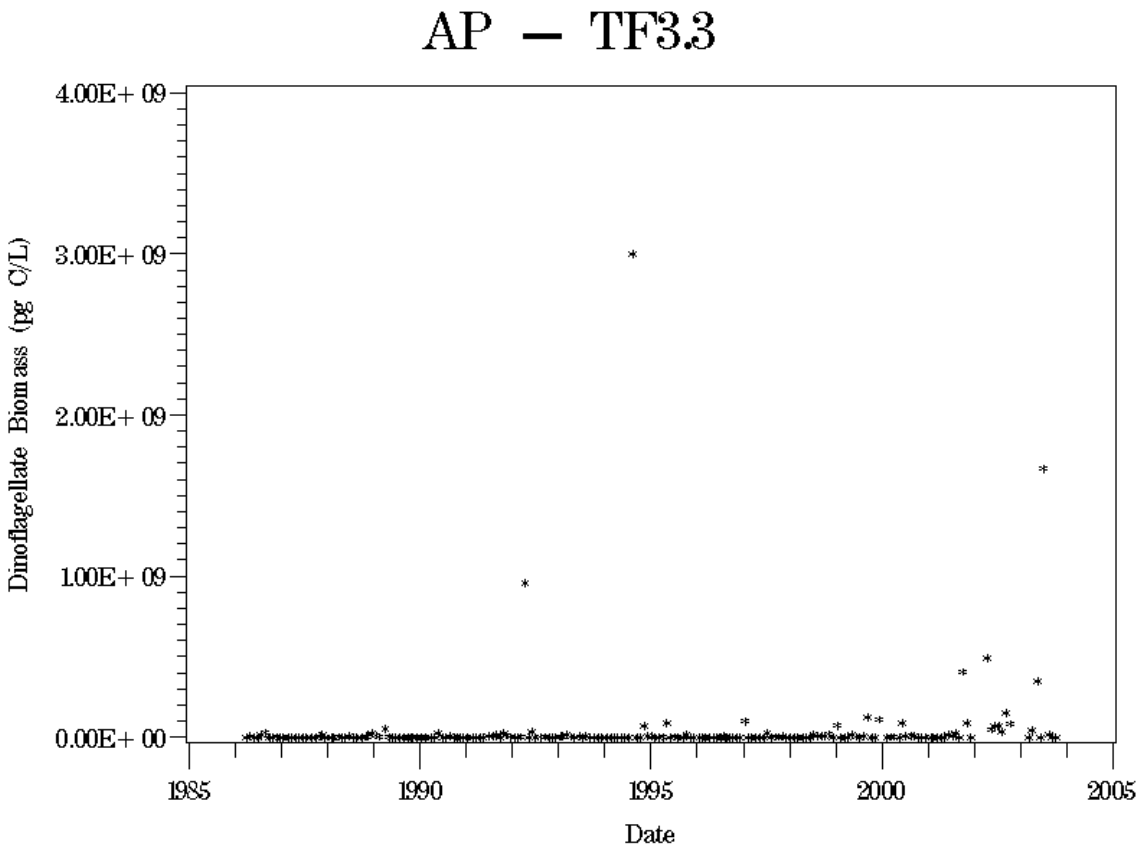

Figure F83. Plot of above pycnocline dinoflagellate biomass against time at station TF3.3 for the period of 1985 through 2003.

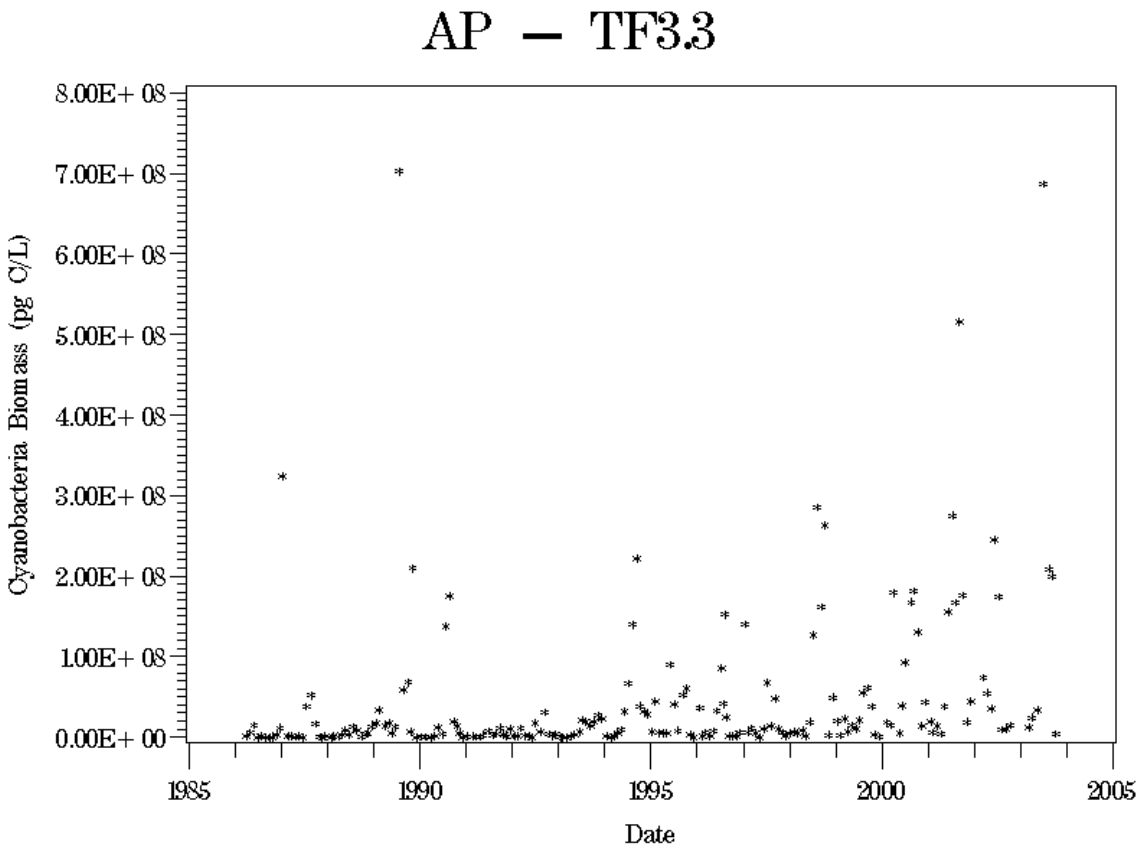

Figure F84. Plot of above pycnocline cyanobacteria biomass against time at station TF3.3 for the period of 1985 through 2003.

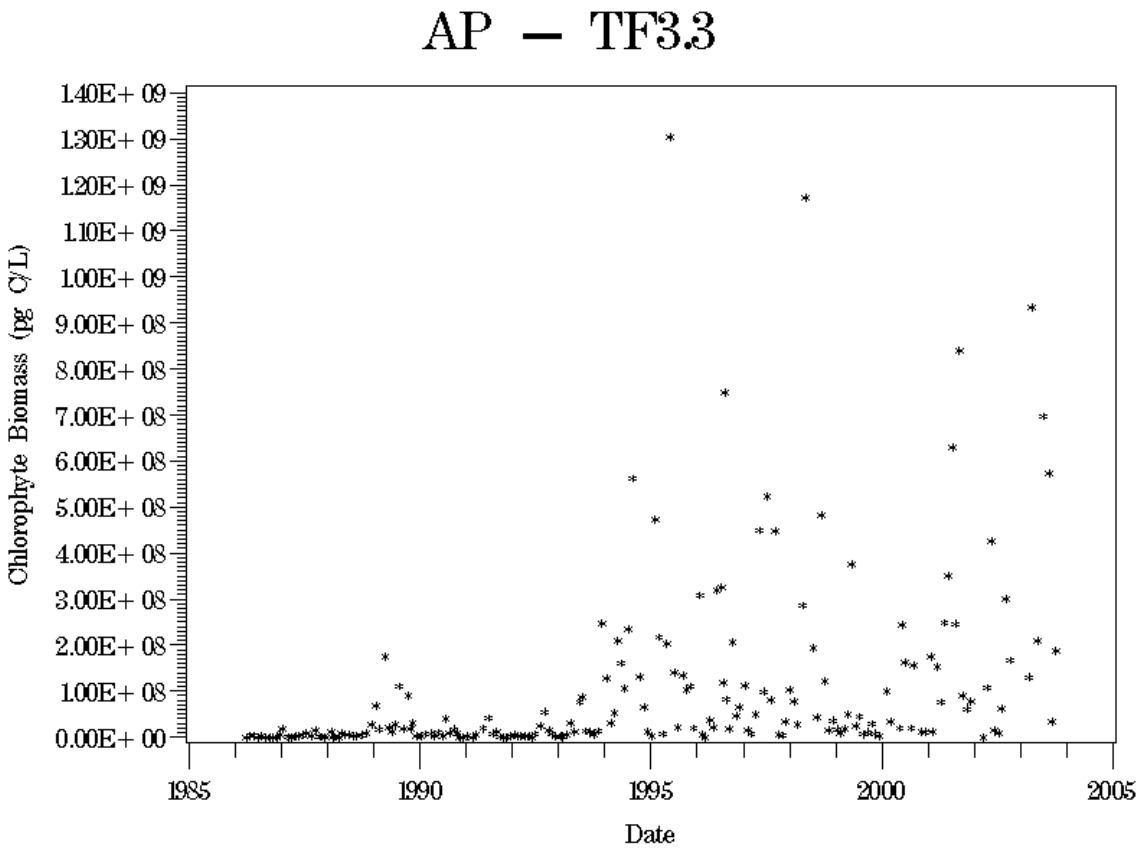

Figure F85. Plot of above pycnocline chlorophyte biomass against time at station TF3.3 for the period of 1985 through 2003.

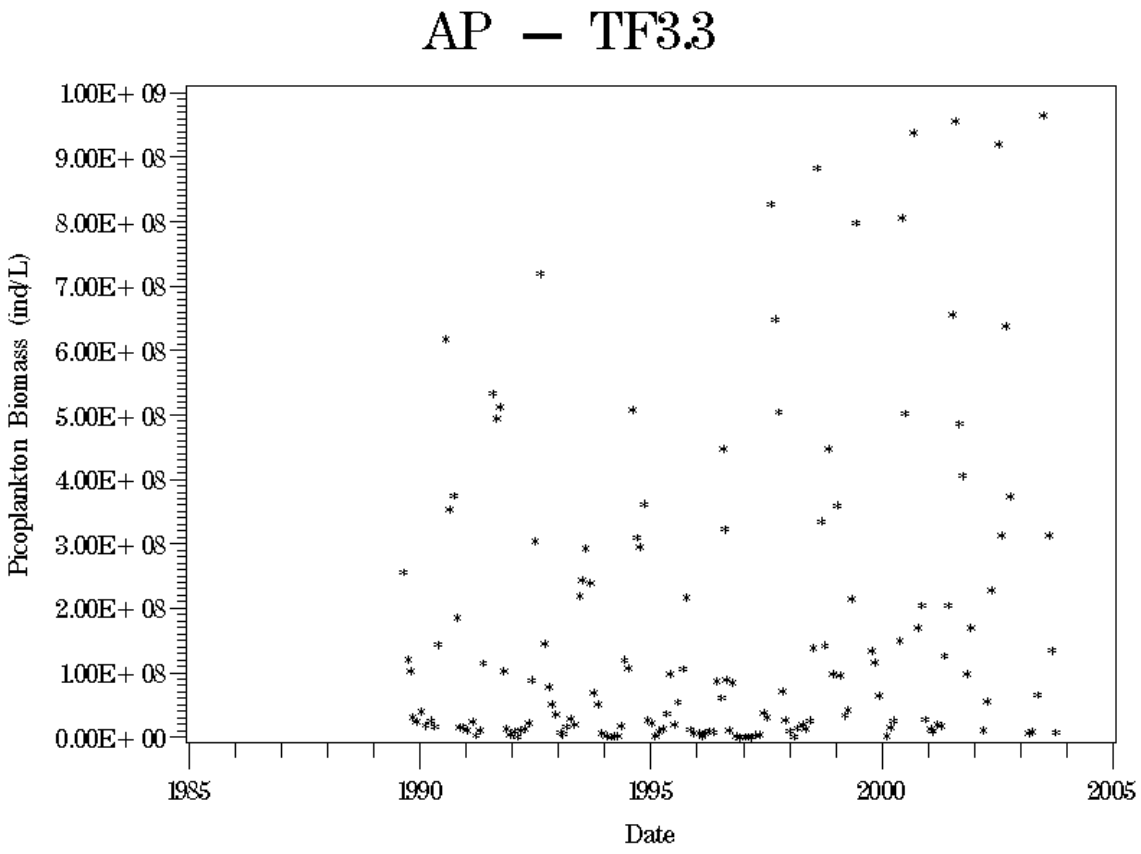

Figure F86. Plot of above pycnocline picoplankton biomass against time at station TF3.3 for the period of 1985 through 2003.

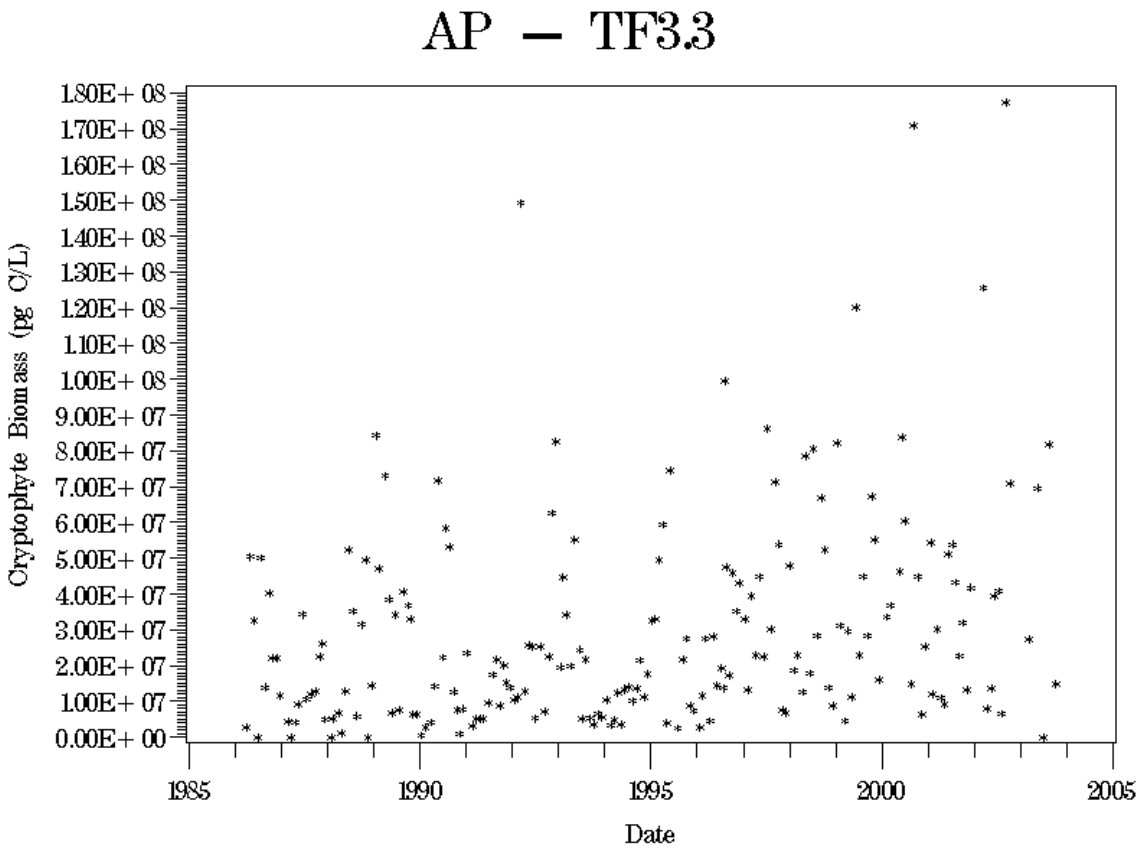

Figure F87. Plot of above pycnocline cryptophyte biomass against time at station TF3.3 for the period of 1985 through 2003.

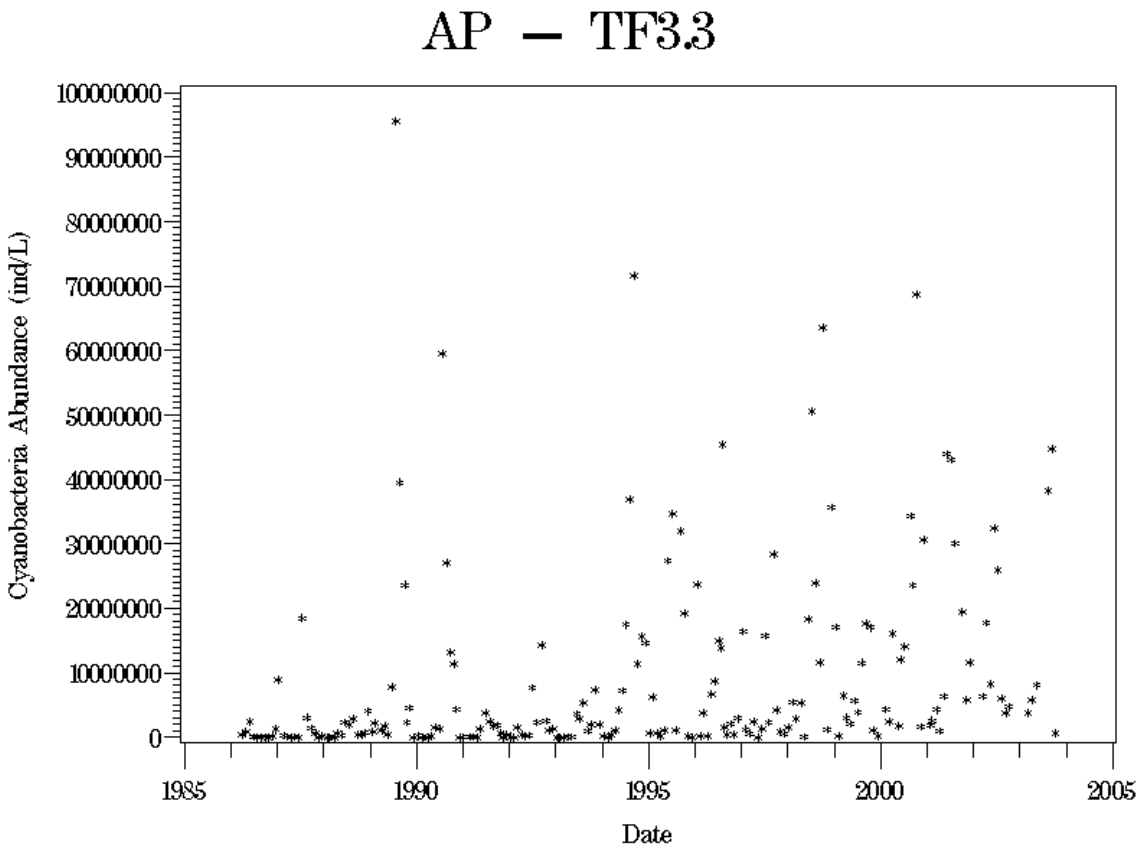

Figure F88. Plot of above pycnocline cyanophyte abundance at station TF3.3 for the period of 1985 through 2003.

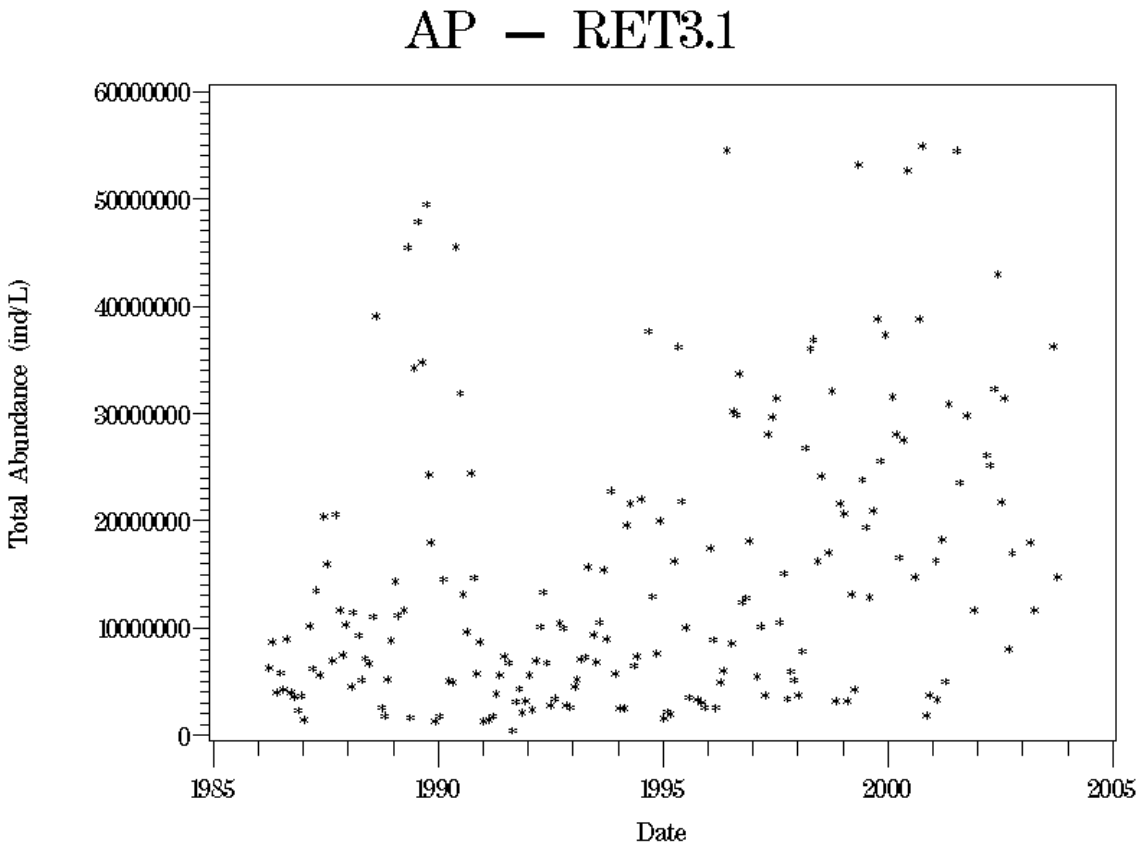

Figure F89. Plot of above pycnocline total phytoplankton abundance against time at station RET3.1 for the period of 1985 through 2003.

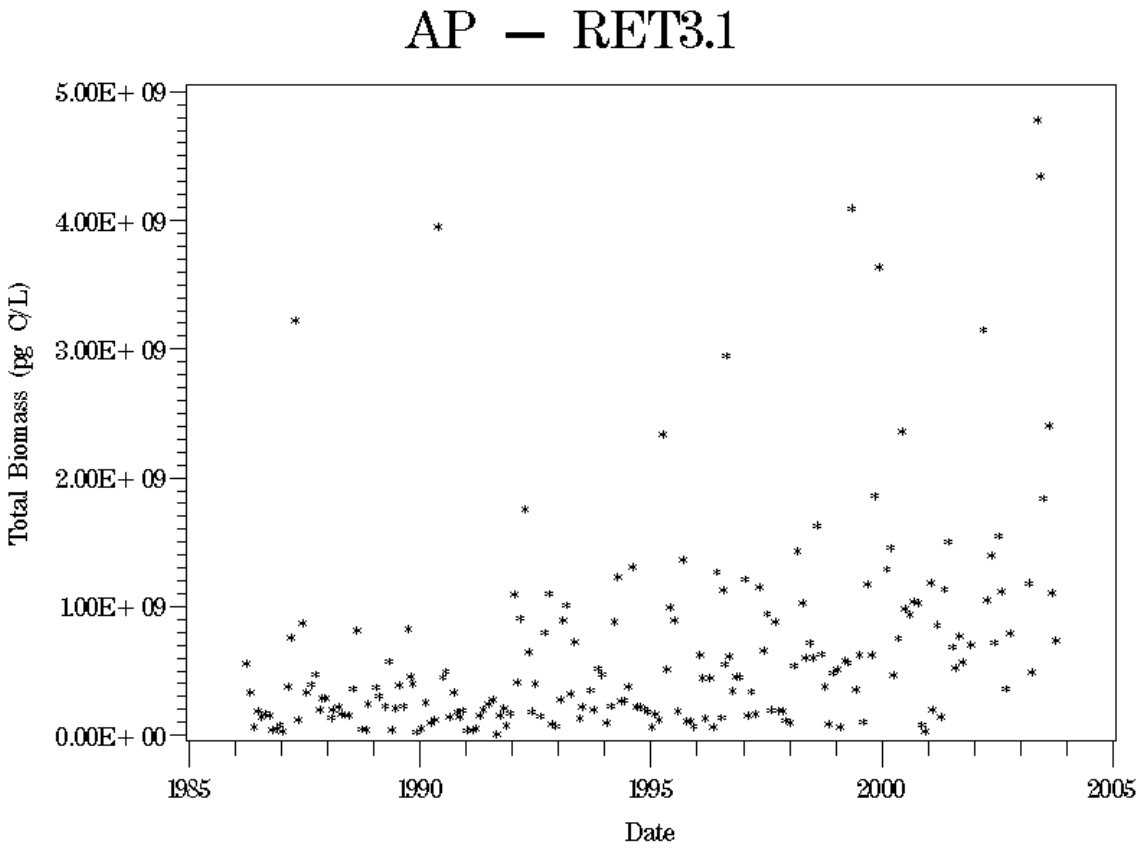

Figure F90. Plot of above pycnocline total phytoplankton biomass against time at station RET3.1 for the period of 1985 through 2003.

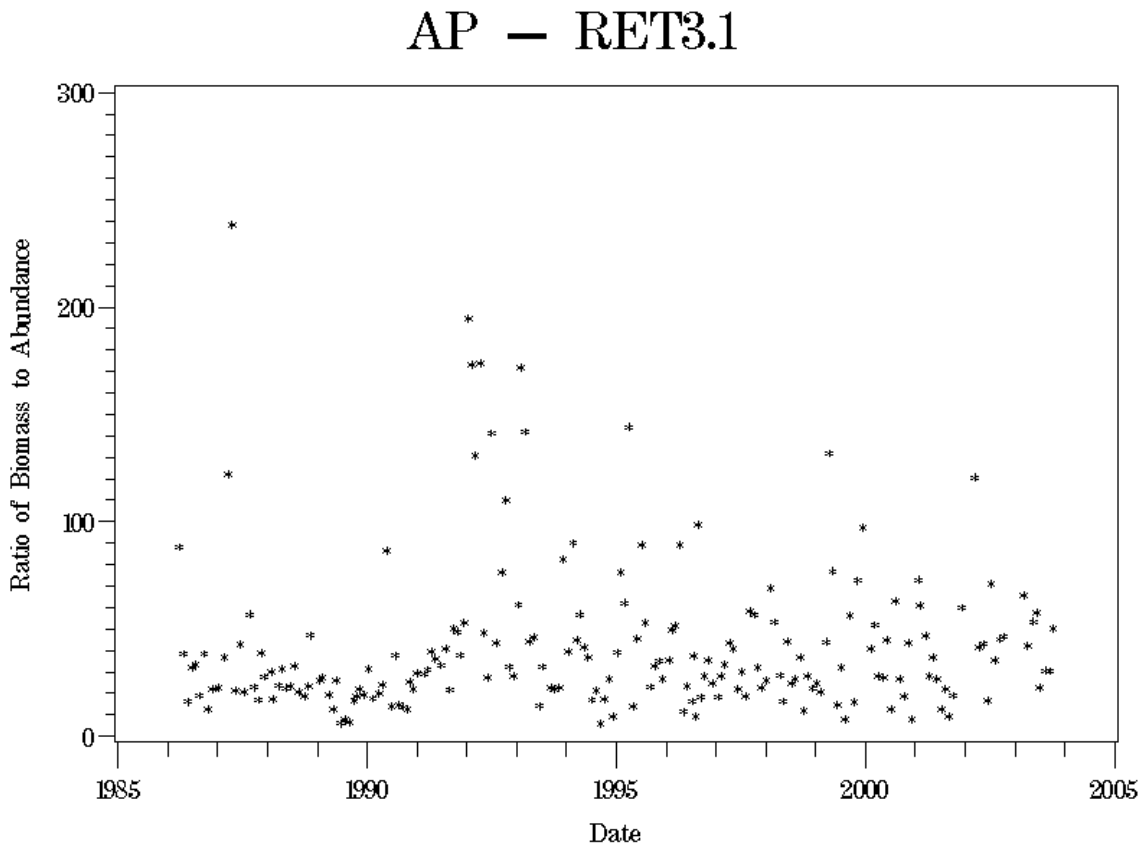

Figure F91. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station RET3.1 for the period of 1985 through 2003.

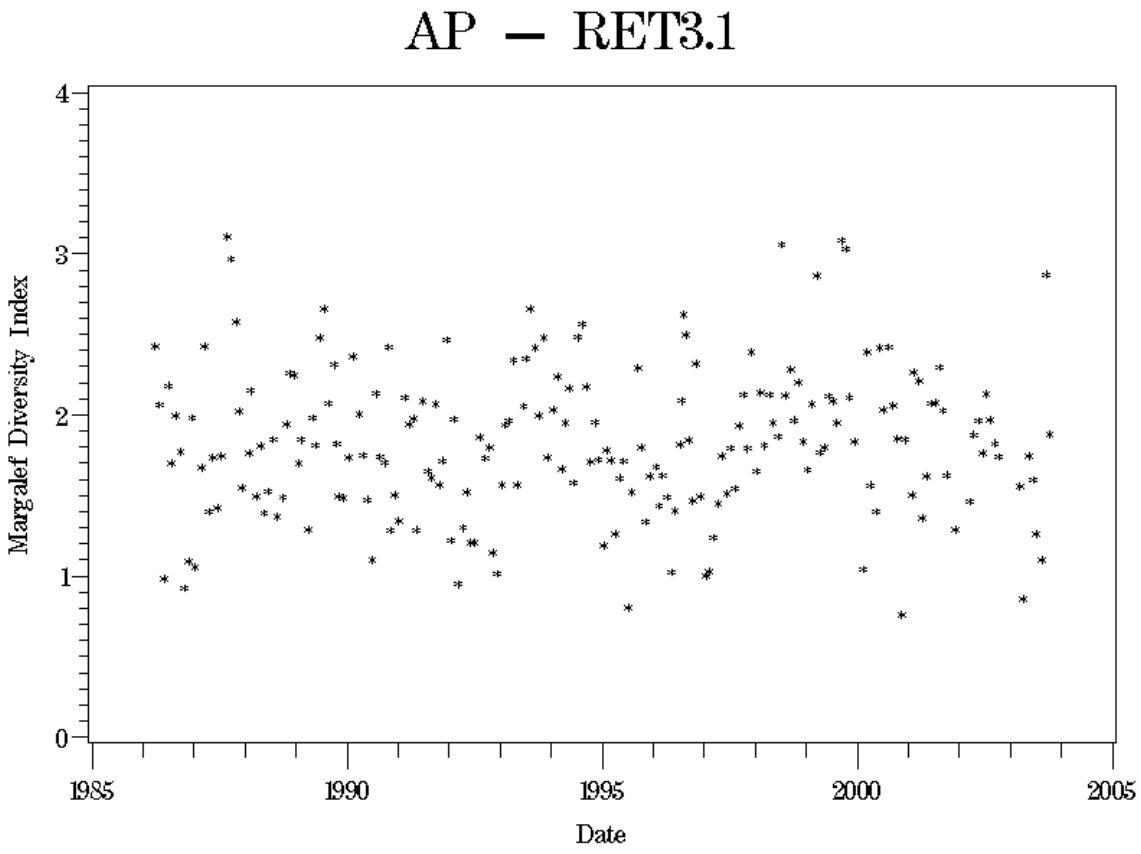

Figure F92. Plot of above pycnocline Margalef diversity index against time at station RET3.1 for the period of 1985 through 2003.

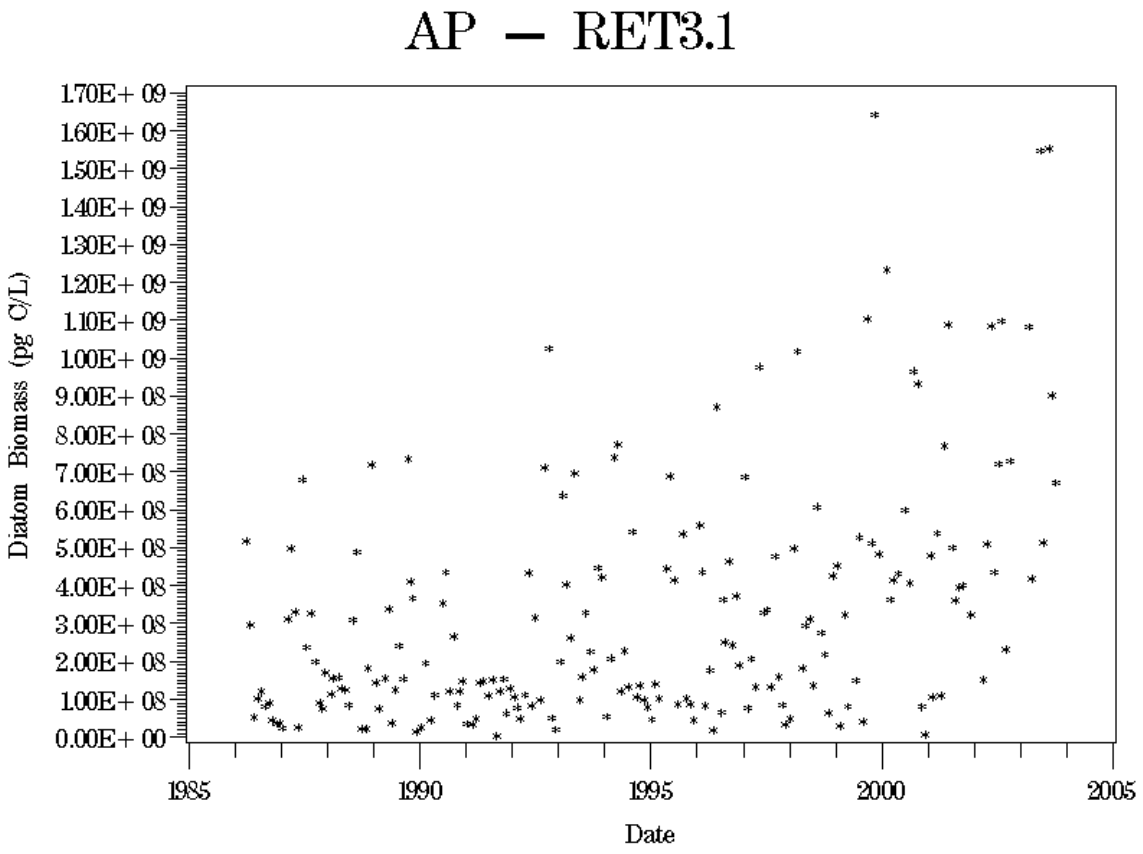

Figure F93. Plot of above pycnocline diatom biomass against time at station RET3.1 for the period of 1985 through 2003.

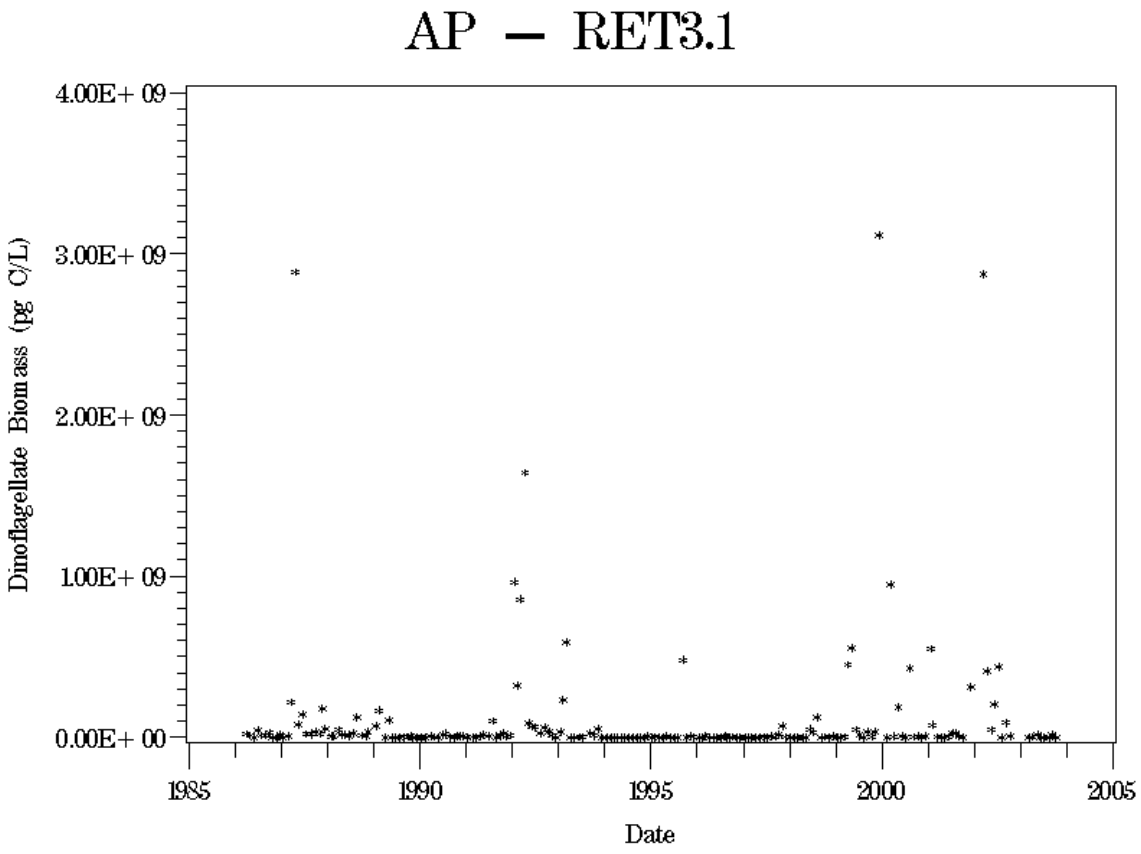

Figure F94. Plot of above pycnocline dinoflagellate biomass against time at station RET3.1 for the period of 1985 through 2003.

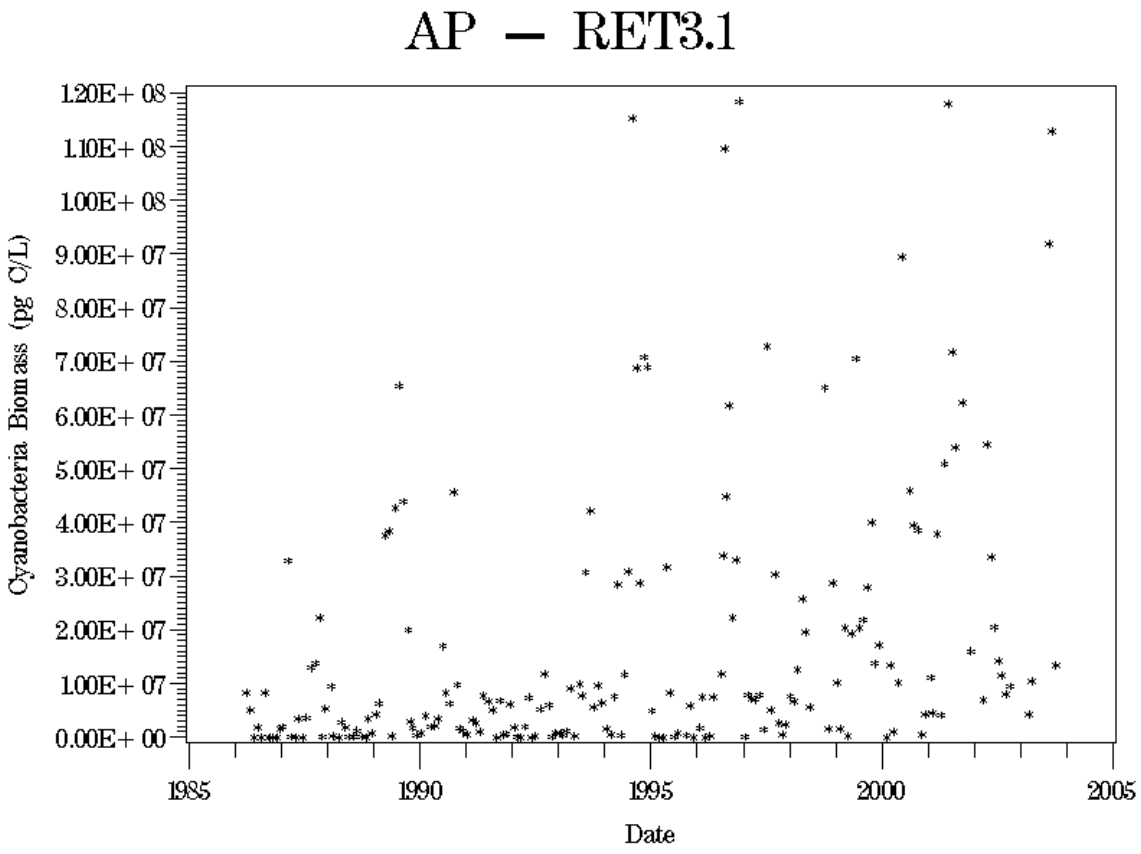

Figure F95. Plot of above pycnocline cyanobacteria biomass against time at station RET3.1 for the period of 1985 through 2003.

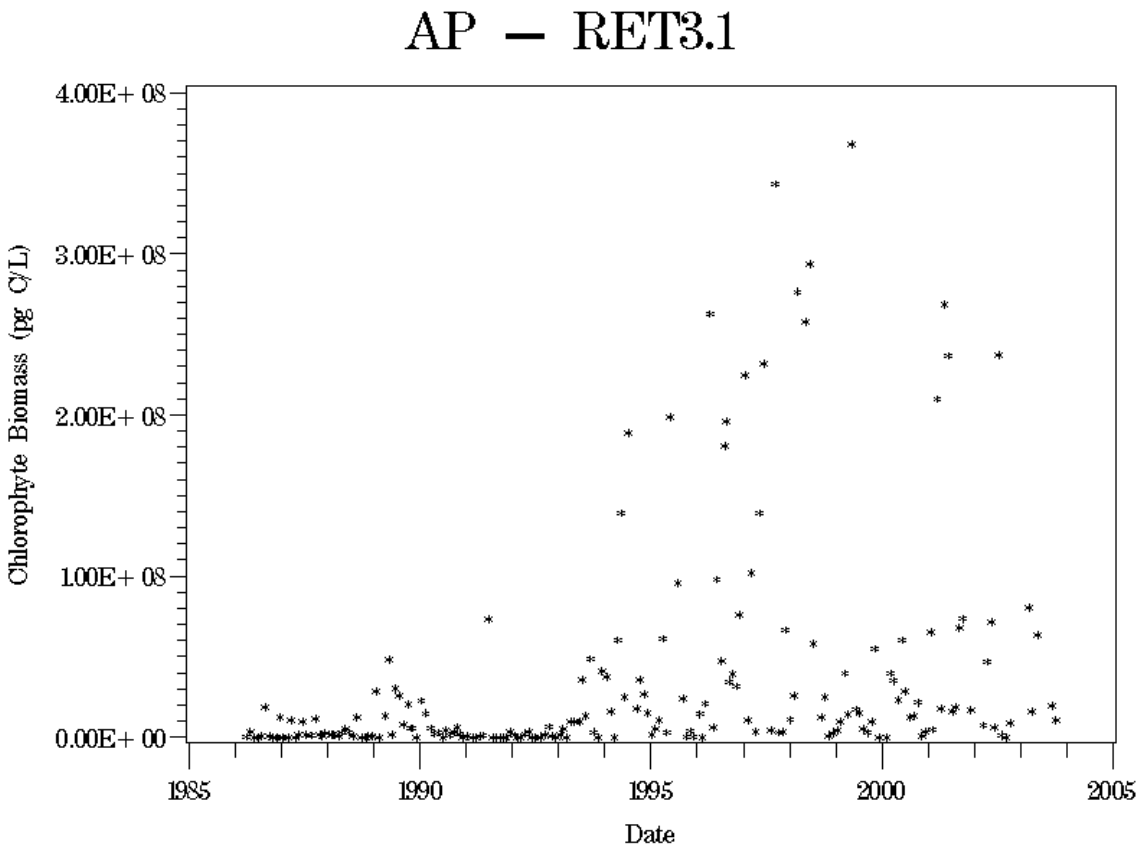

Figure F96. Plot of above pycnocline chlorophyte biomass against time at station RET3.1 for the period of 1985 through 2003.

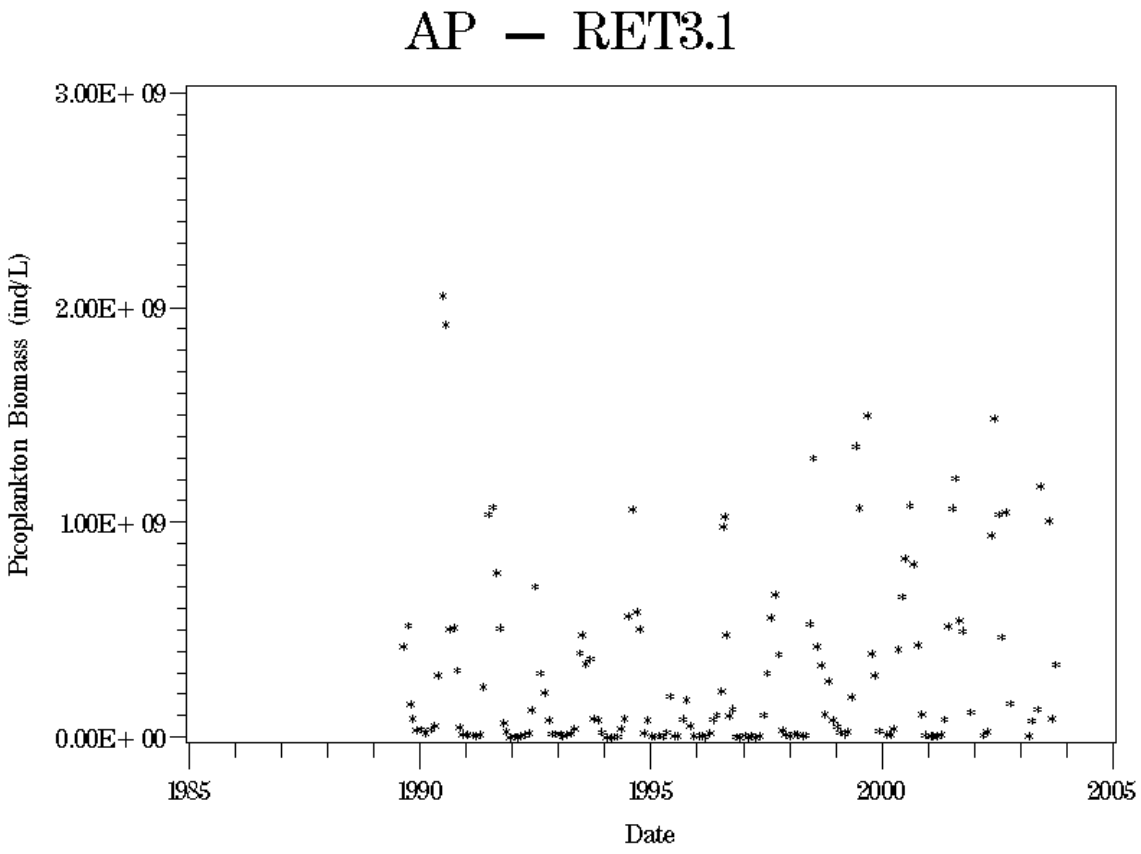

Figure F97. Plot of above pycnocline picoplankton biomass against time at station RET3.1 for the period of 1985 through 2003.

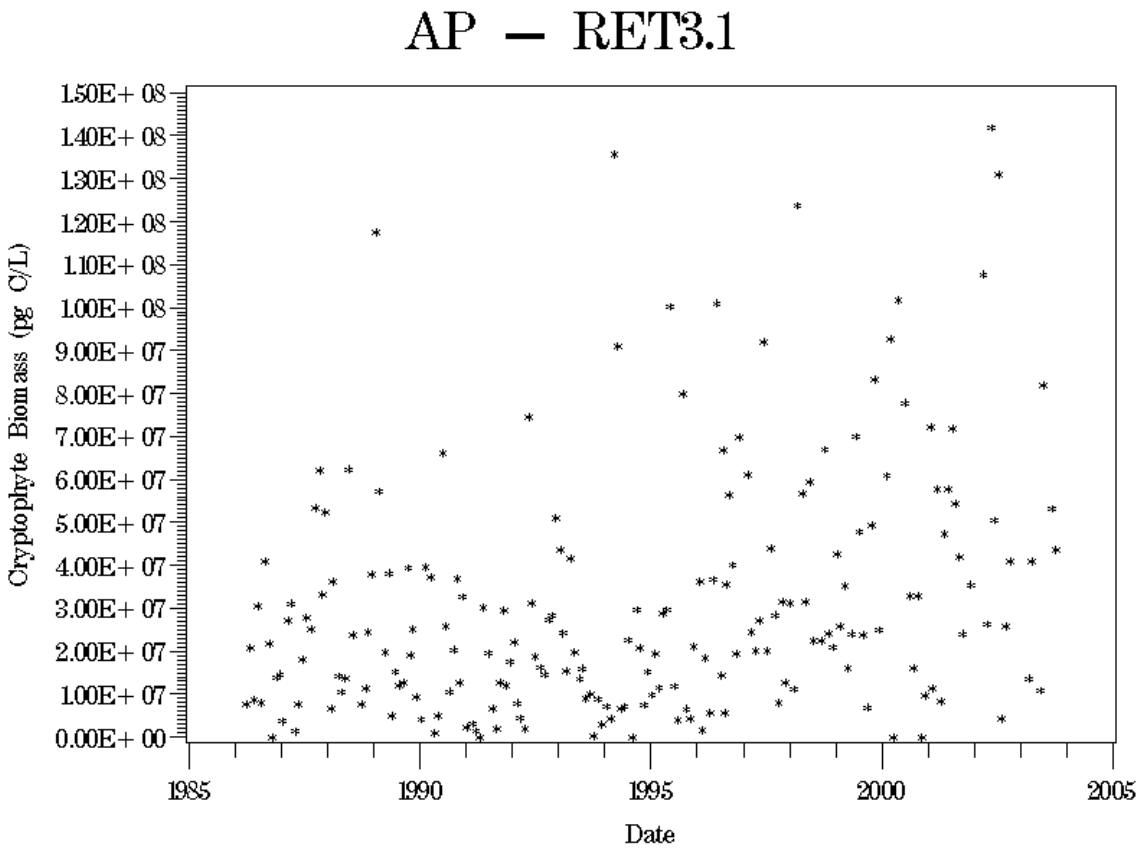

Figure F98. Plot of above pycnocline cryptophyte biomass at station RET3.1 for the period of 1985 through 2003.

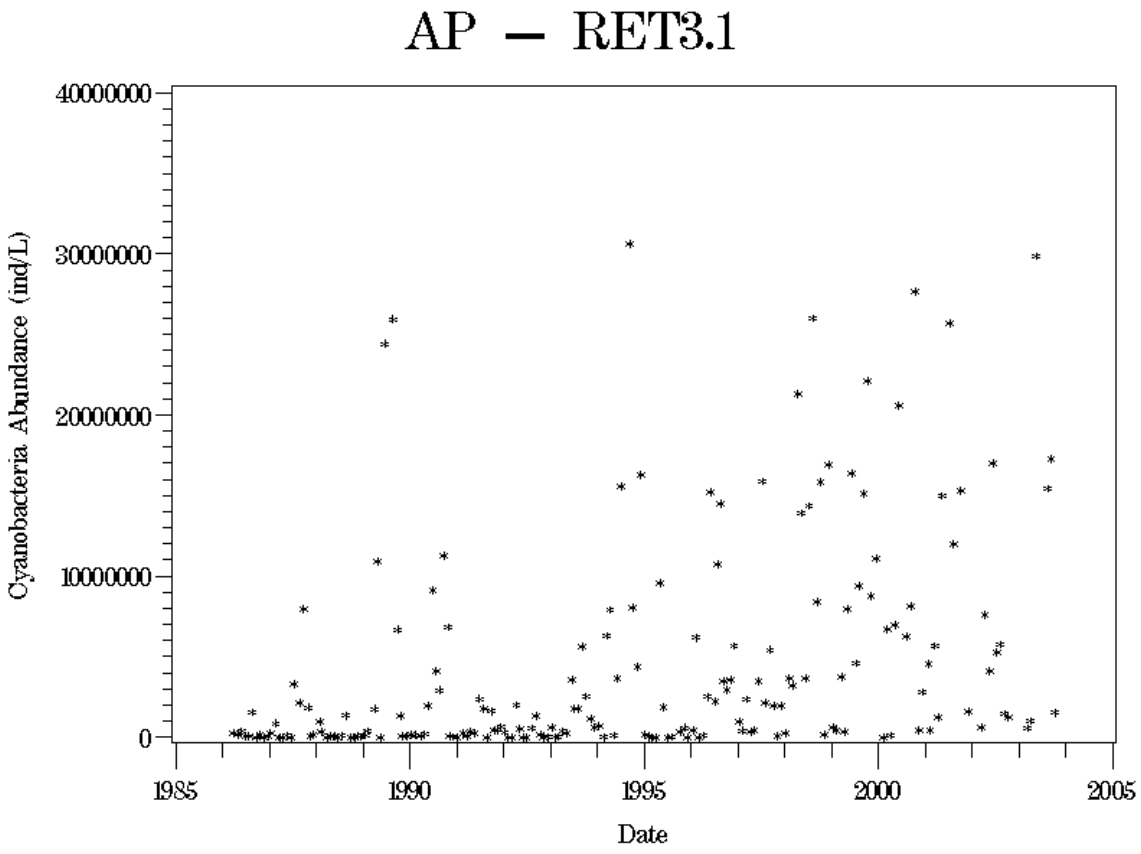

Figure F99. Plot of above pycnocline cyanophyte abundance at station RET3.1 for the period of 1985 through 2003.

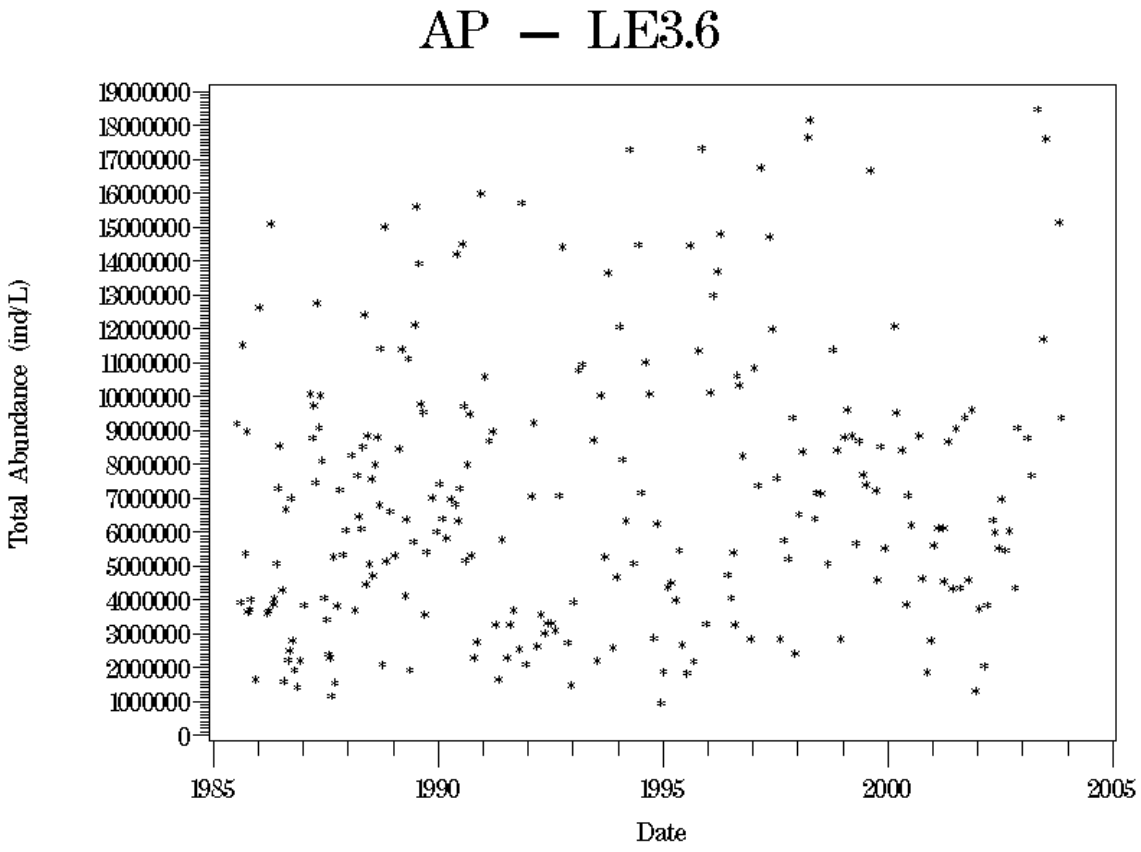

Figure F100. Plot of above pycnocline total phytoplankton abundance against time at station LE3.6 for the period of 1985 through 2003.

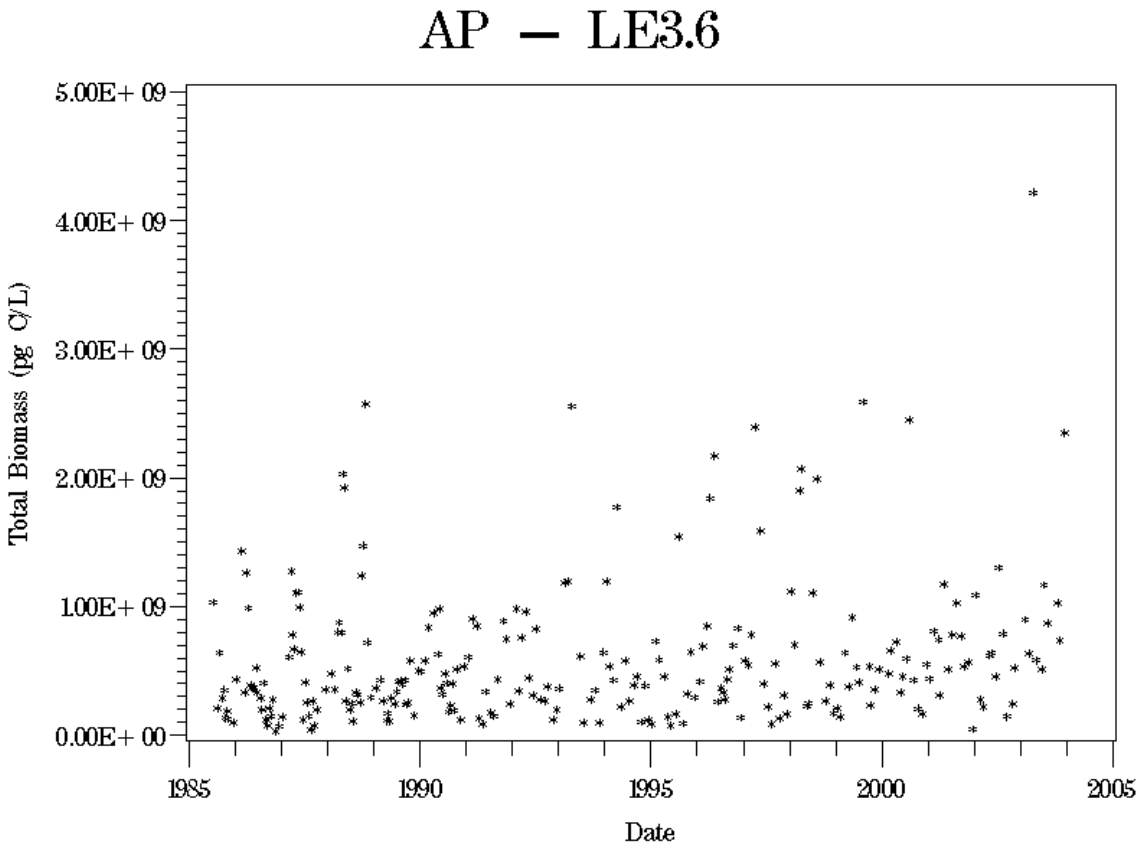

Figure F101. Plot of above pycnocline total phytoplankton biomass against time at station LE3.6 for the period of 1985 through 2003.

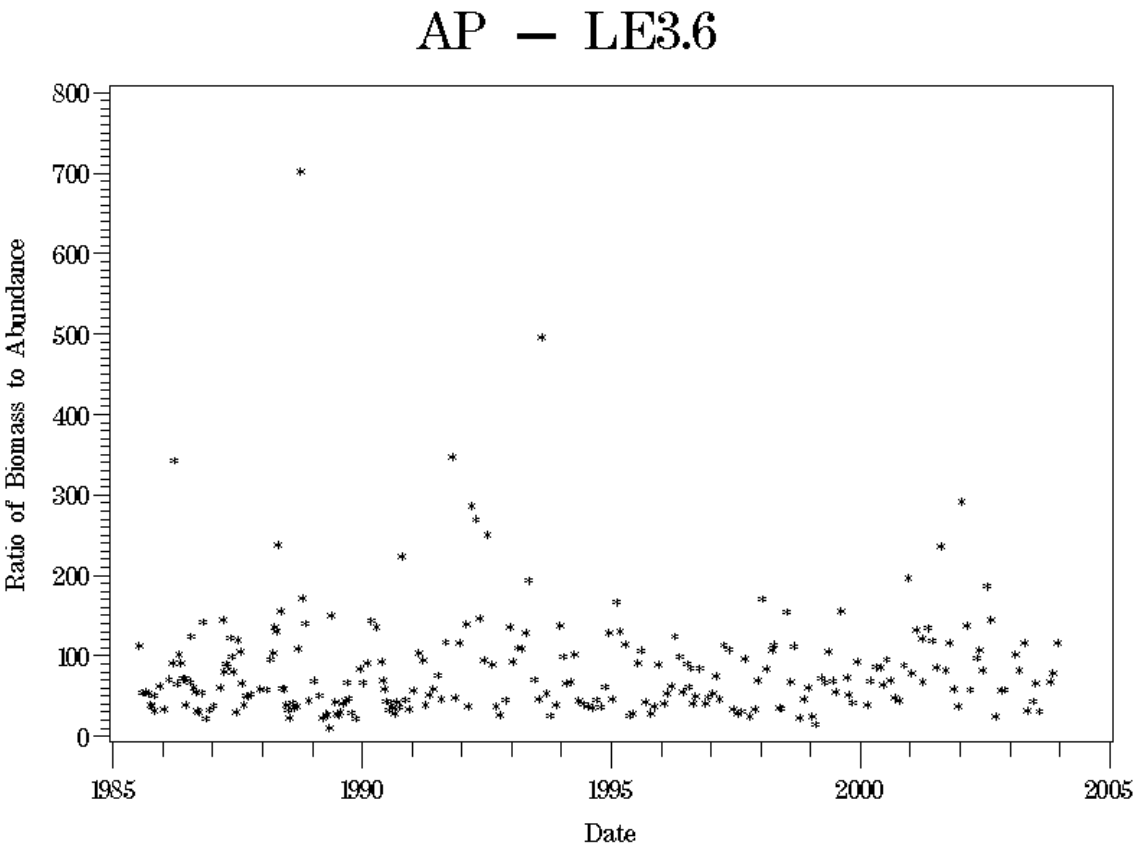

Figure F102. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station LE3.6 for the period of 1985 through 2003.

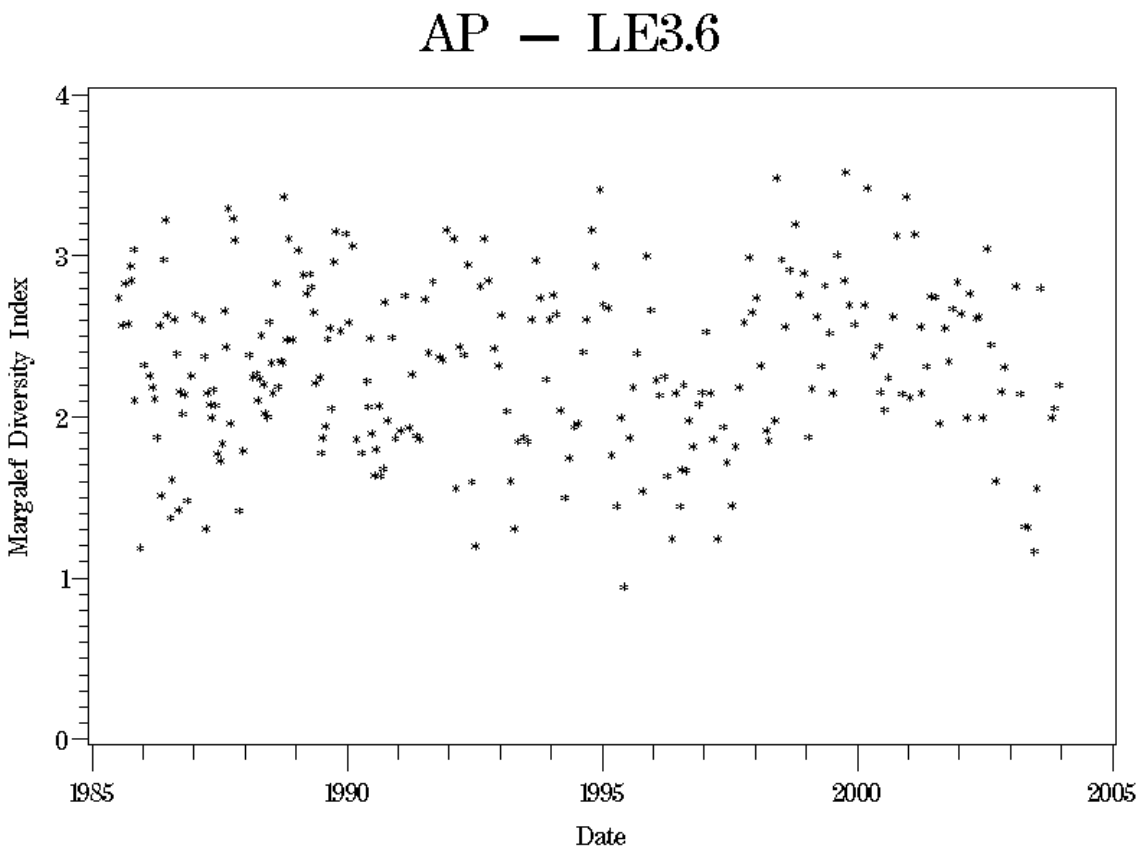

Figure F103. Plot of above pycnocline Margalef diversity index against time at station LE3.6 for the period of 1985 through 2003.

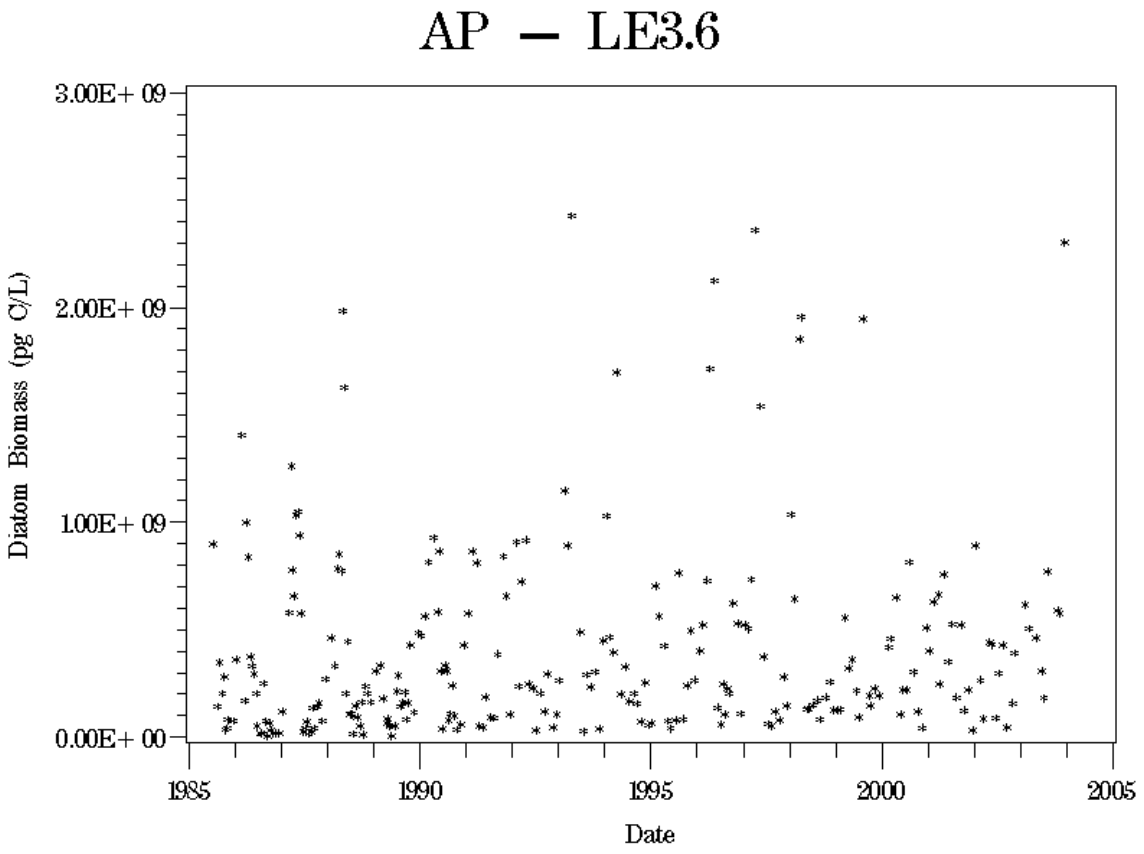

Figure F104. Plot of above pycnocline diatom biomass against time at station LE3.6 for the period of 1985 through 2003.

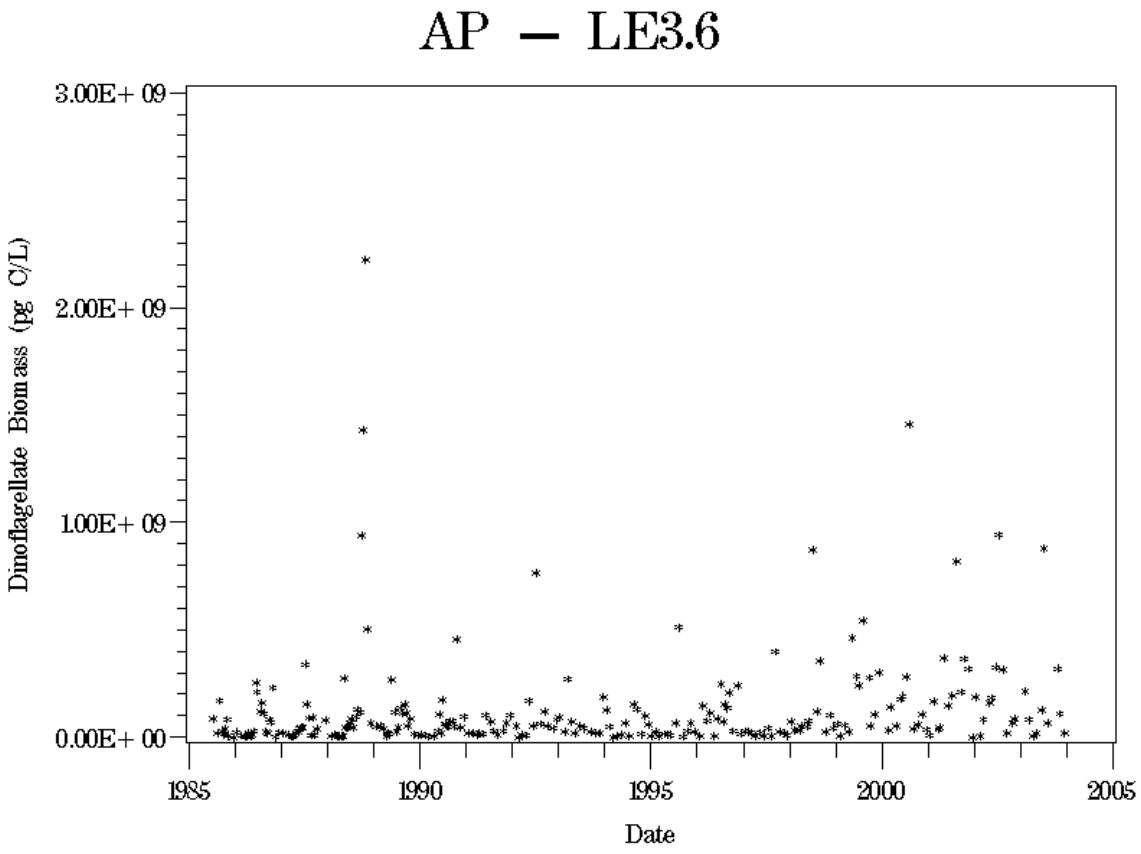

Figure F105. Plot of above pycnocline dinoflagellate biomass against time at station LE3.6 for the period of 1985 through 2003.

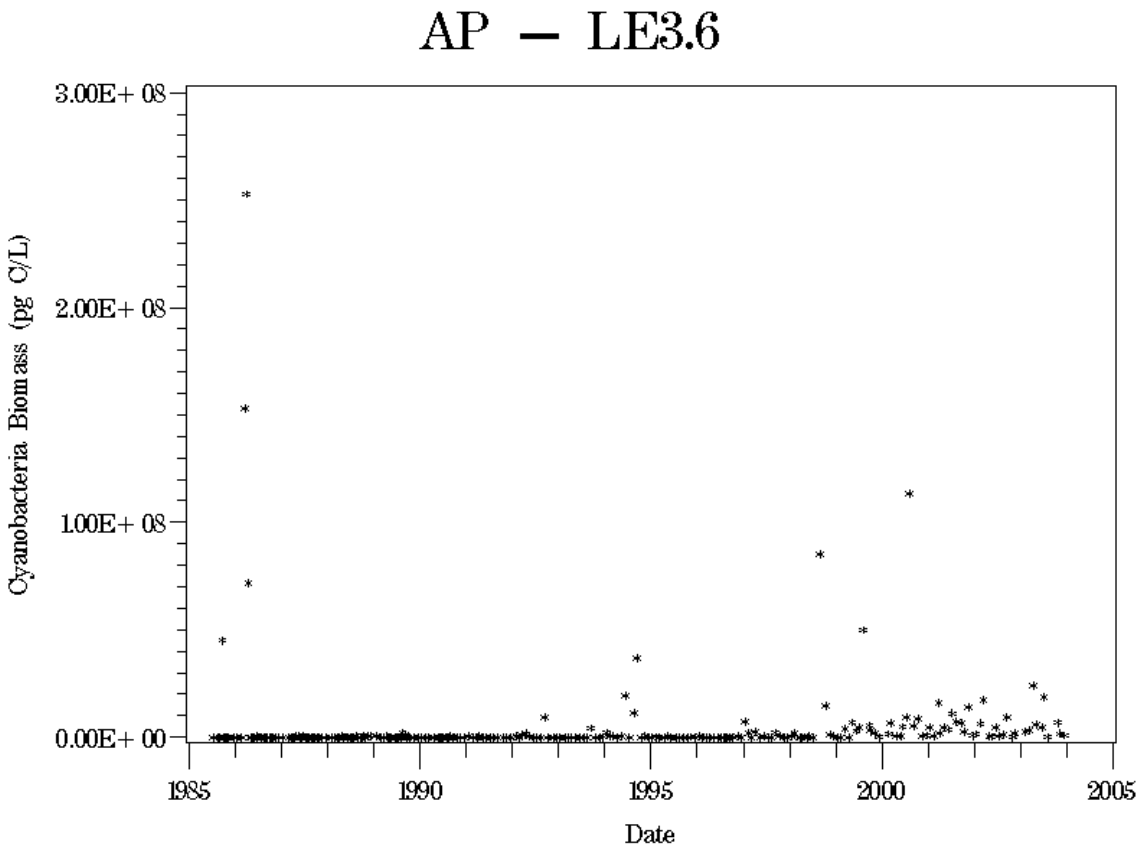

Figure F106. Plot of above pycnocline cyanobacteria biomass against time at station LE3.6 for the period of 1985 through 2003.

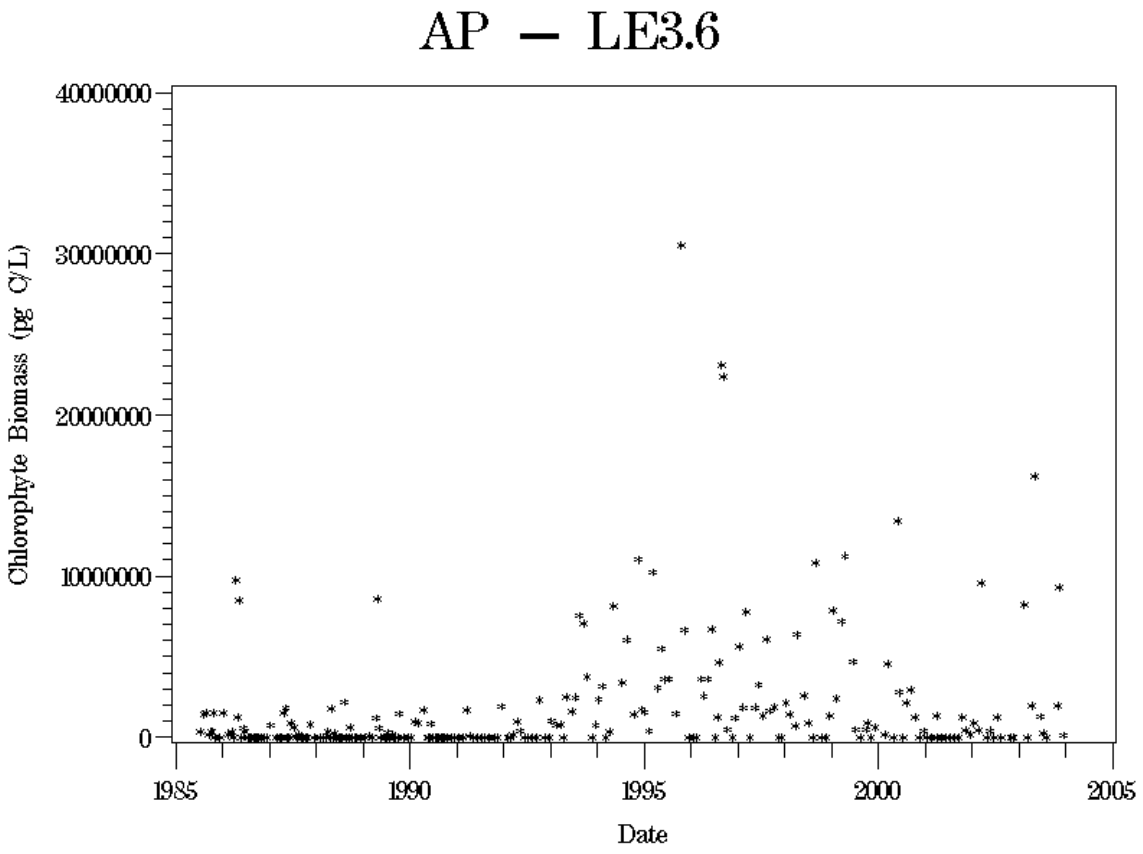

Figure F107. Plot of above pycnocline chlorophyte biomass against time at station LE3.6 for the period of 1985 through 2003.

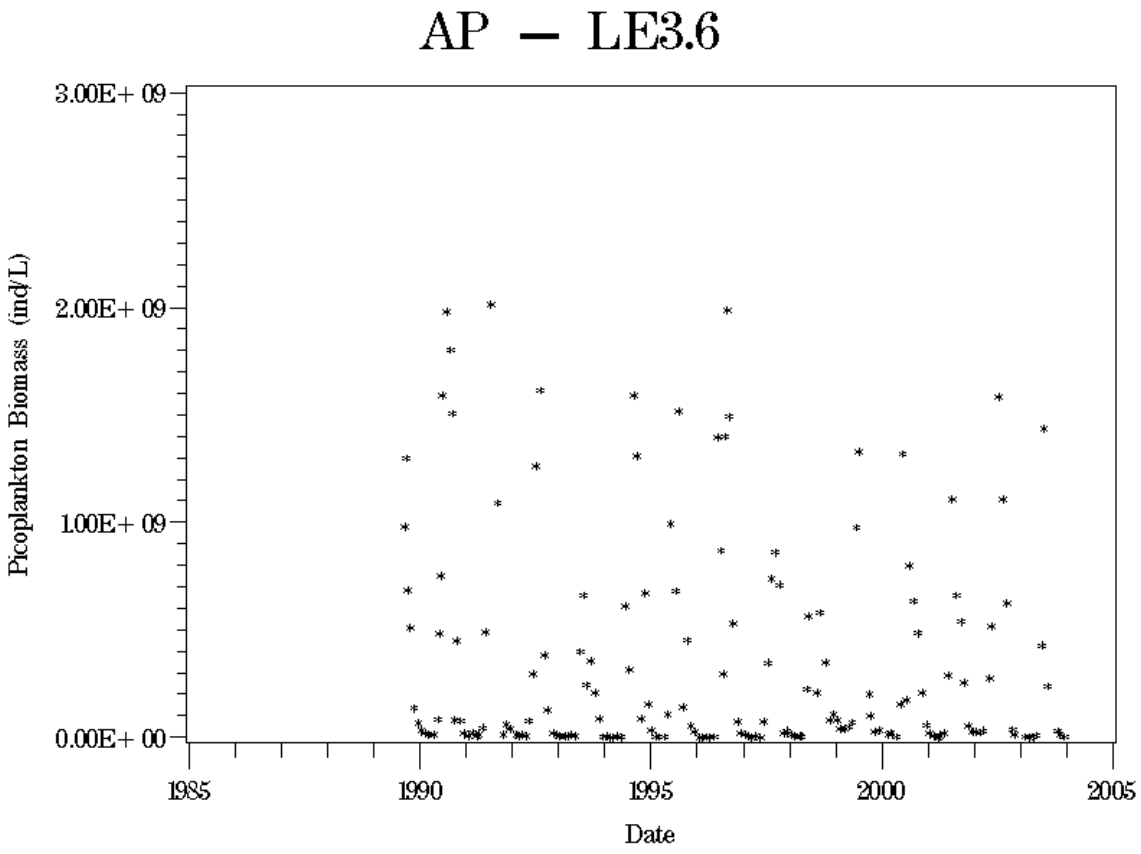

Figure F108. Plot of above pycnocline picoplankton biomass against time at station LE3.6 for the period of 1985 through 2003.

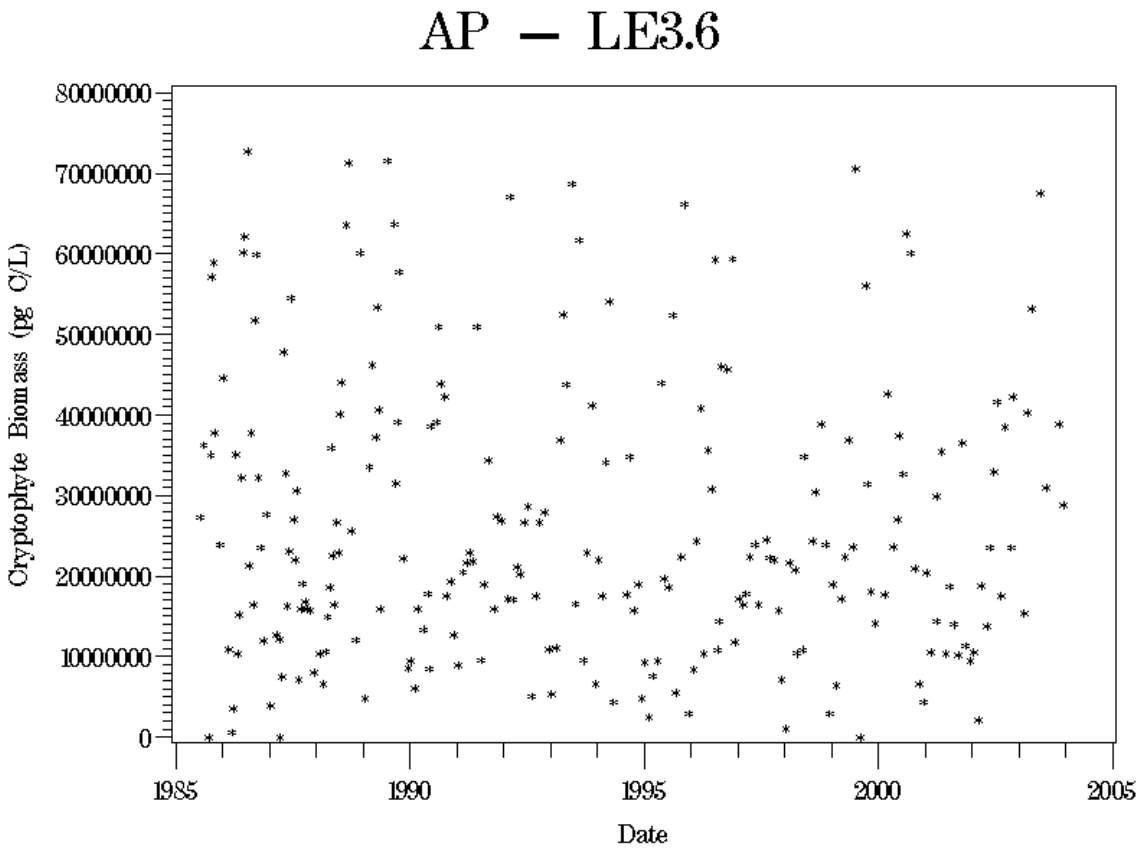

Figure F109. Plot of above pycnocline cryptophyte biomass at station LE3.6 for the period of 1985 through 2003.

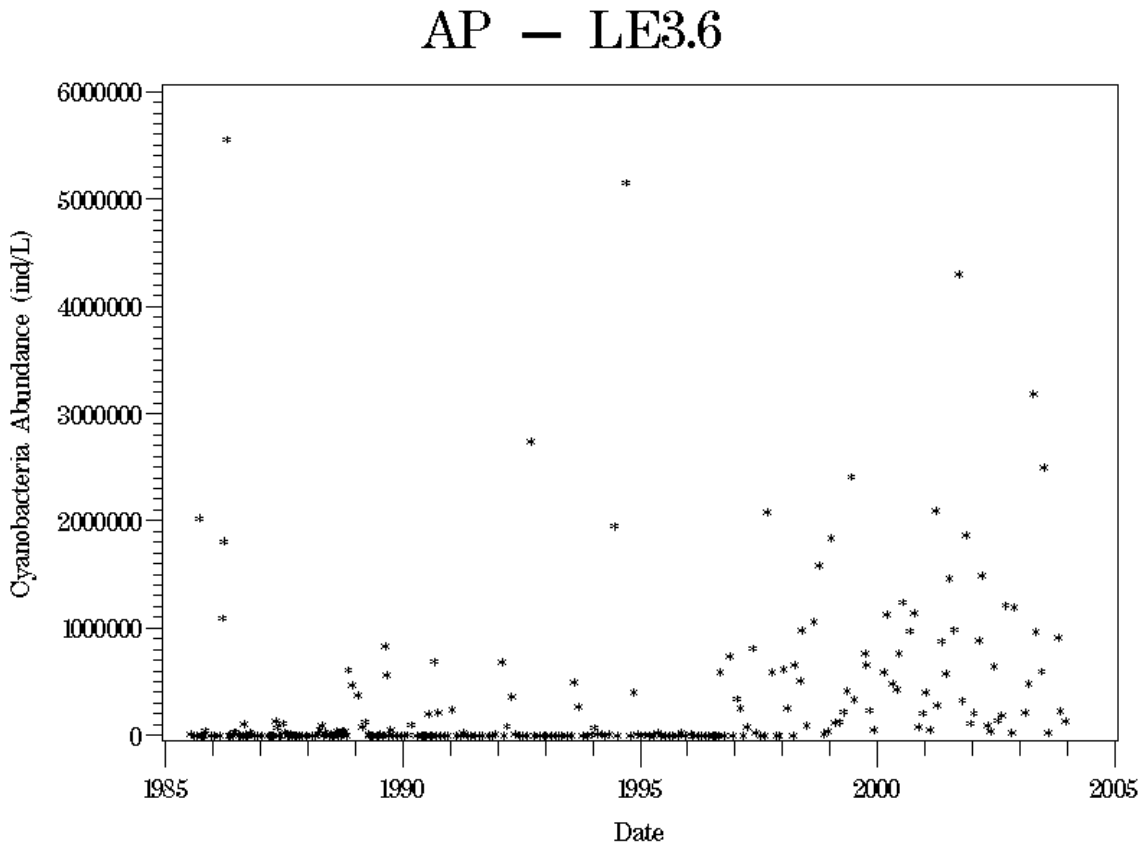

Figure F110. Plot of above pycnocline cyanophyte abundance at station LE3.6 for the period of 1985 through 2003.

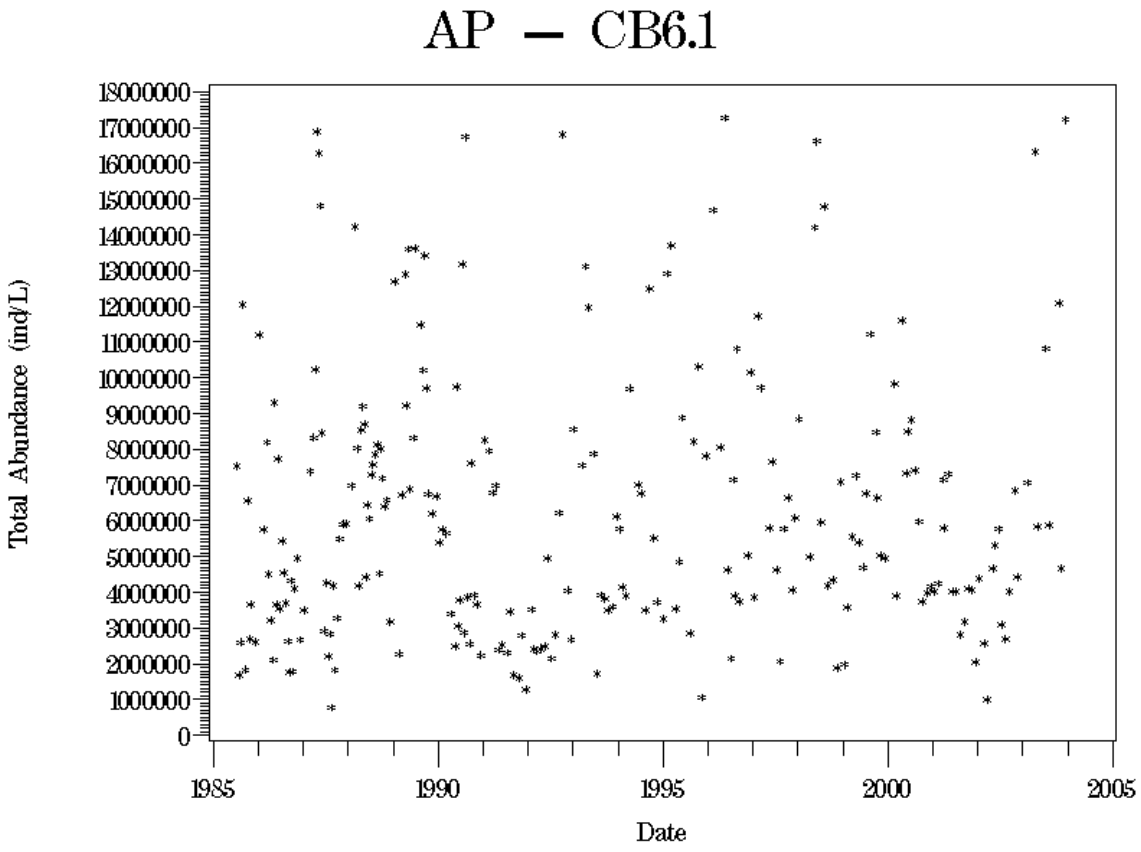

Figure F111. Plot of above pycnocline total phytoplankton abundance against time at station CB6.1 for the period of 1985 through 2003.

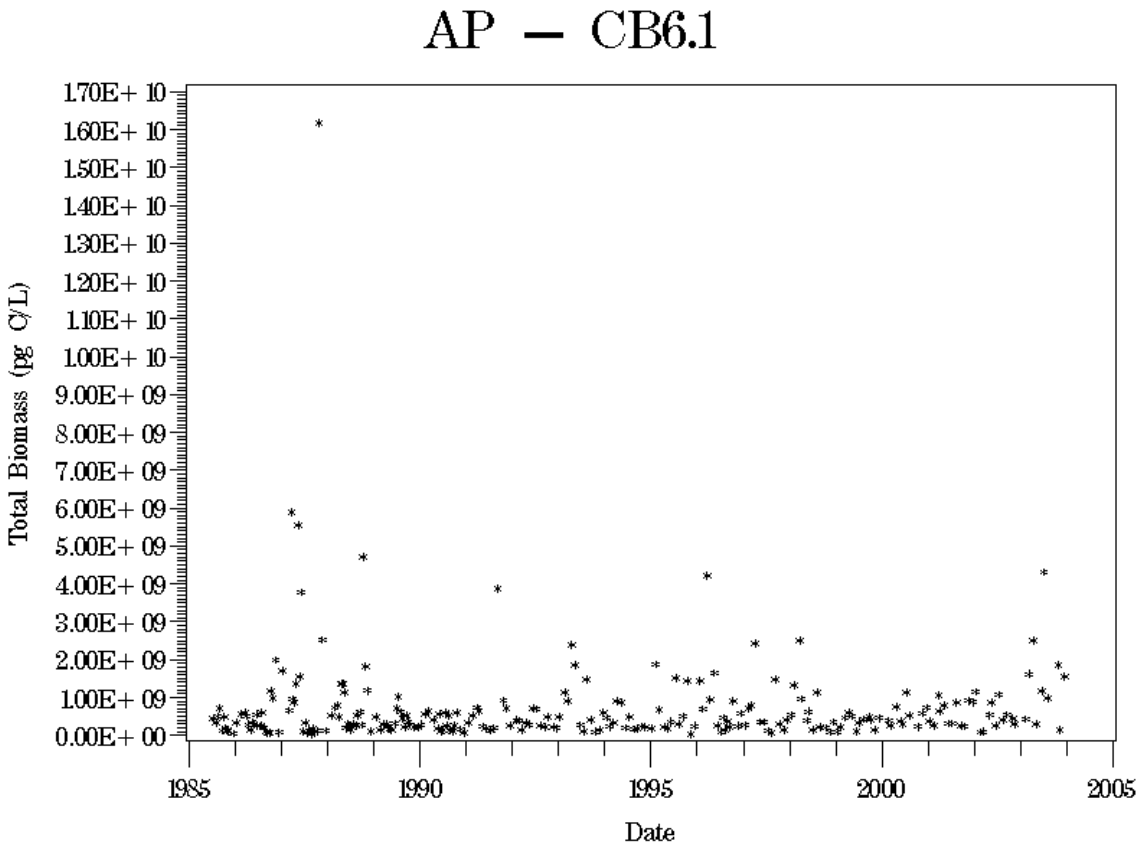

Figure F112. Plot of above pycnocline total phytoplankton biomass against time at station CB6.1 for the period of 1985 through 2003.

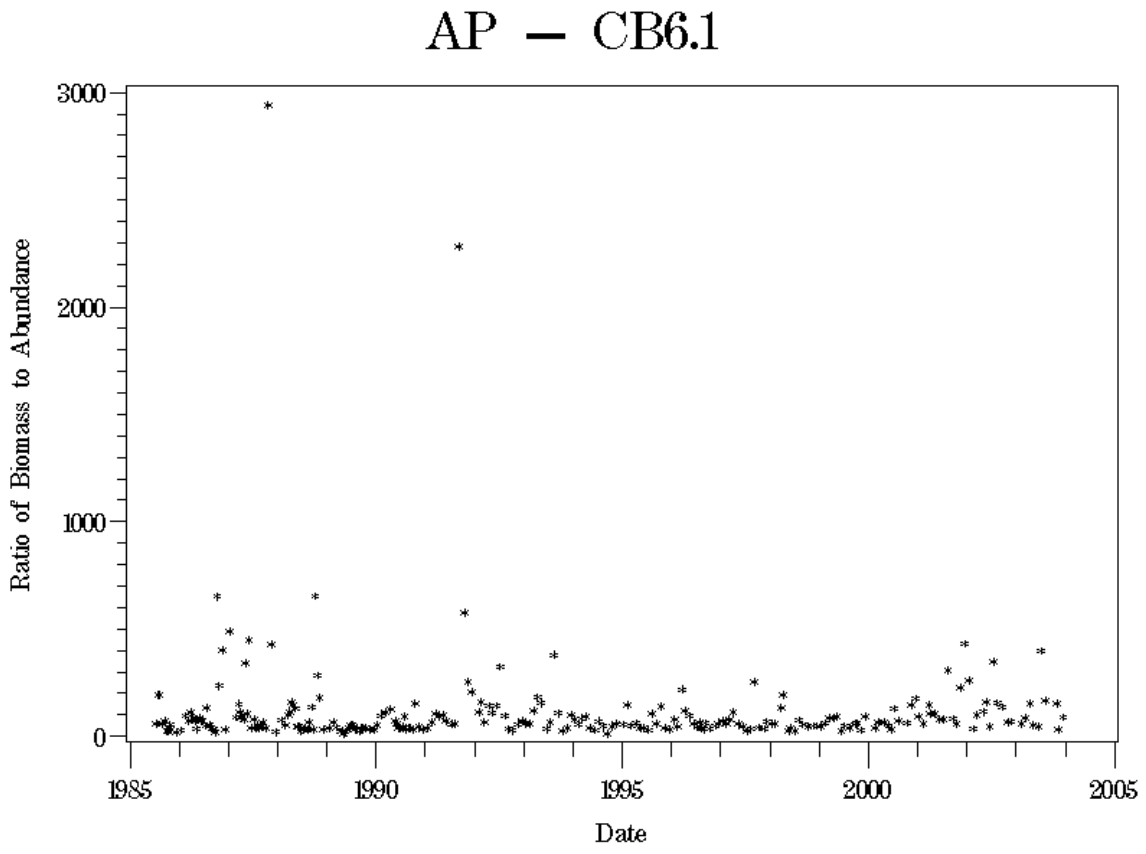

Figure F113. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB6.1 for the period of 1985 through 2003.

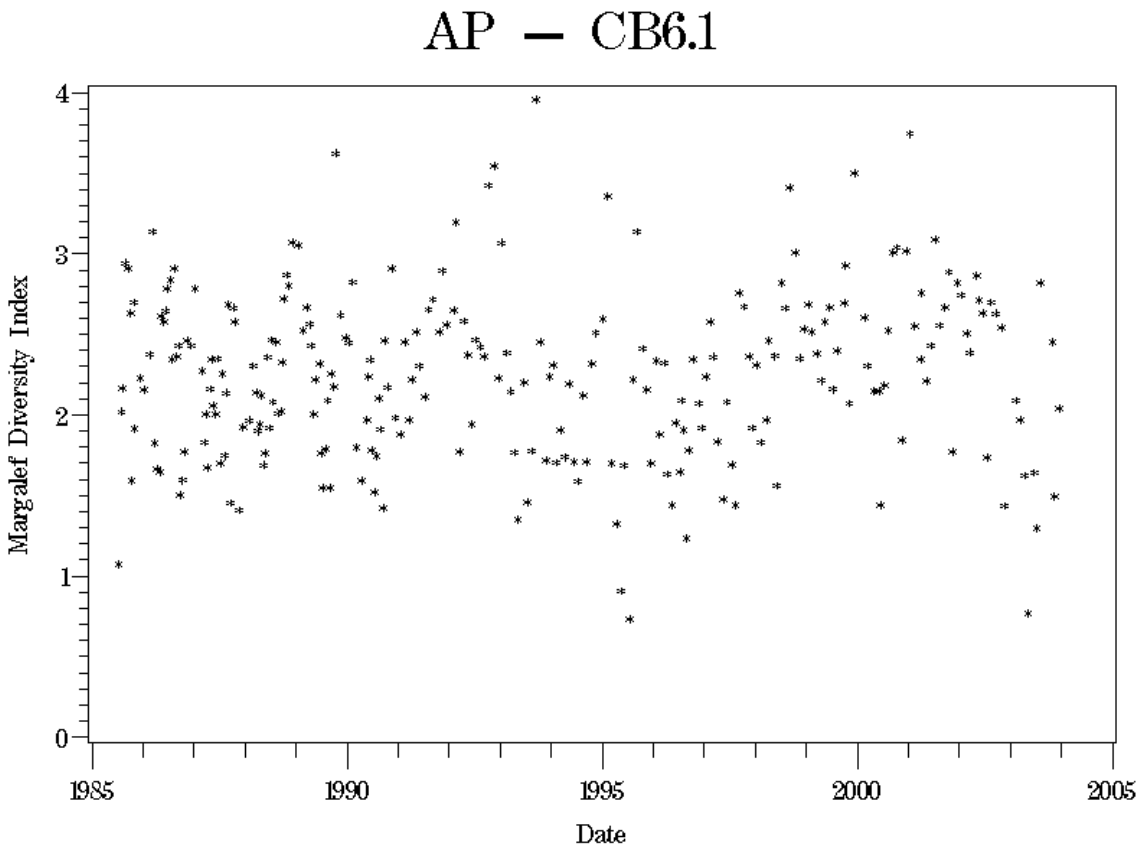

Figure F114. Plot of above pycnocline Margalef diversity index against time at station CB6.1 for the period of 1985 through 2003.

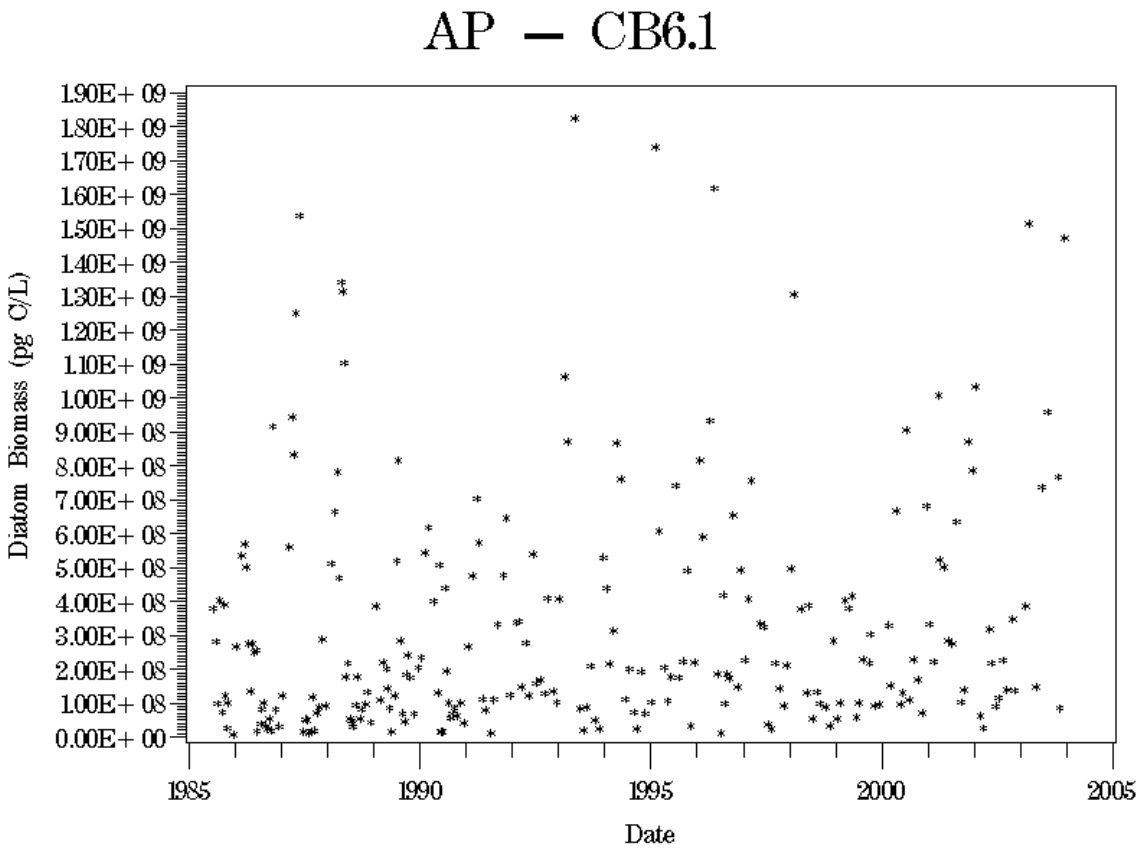

Figure F115. Plot of above pycnocline diatom biomass against time at station CB6.1 for the period of 1985 through 2003.

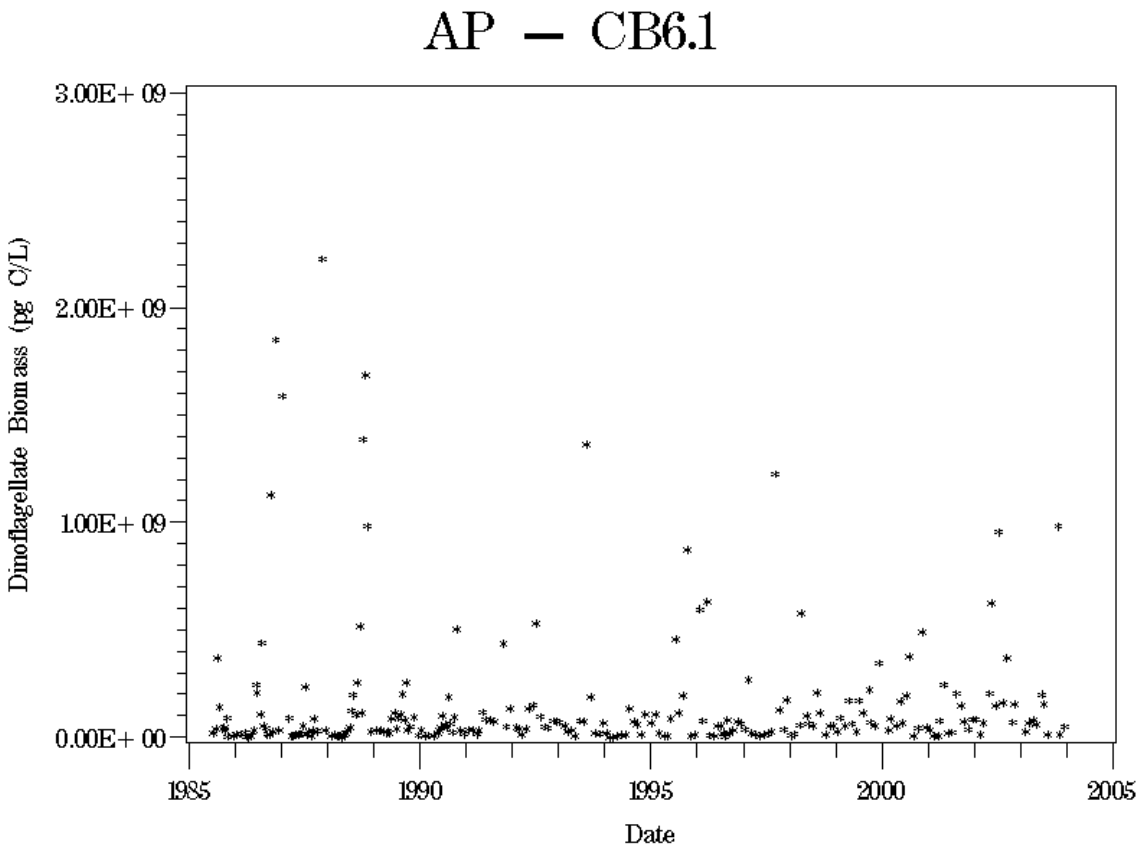

Figure F116. Plot of above pycnocline dinoflagellate biomass against time at station CB6.1 for the period of 1985 through 2003.

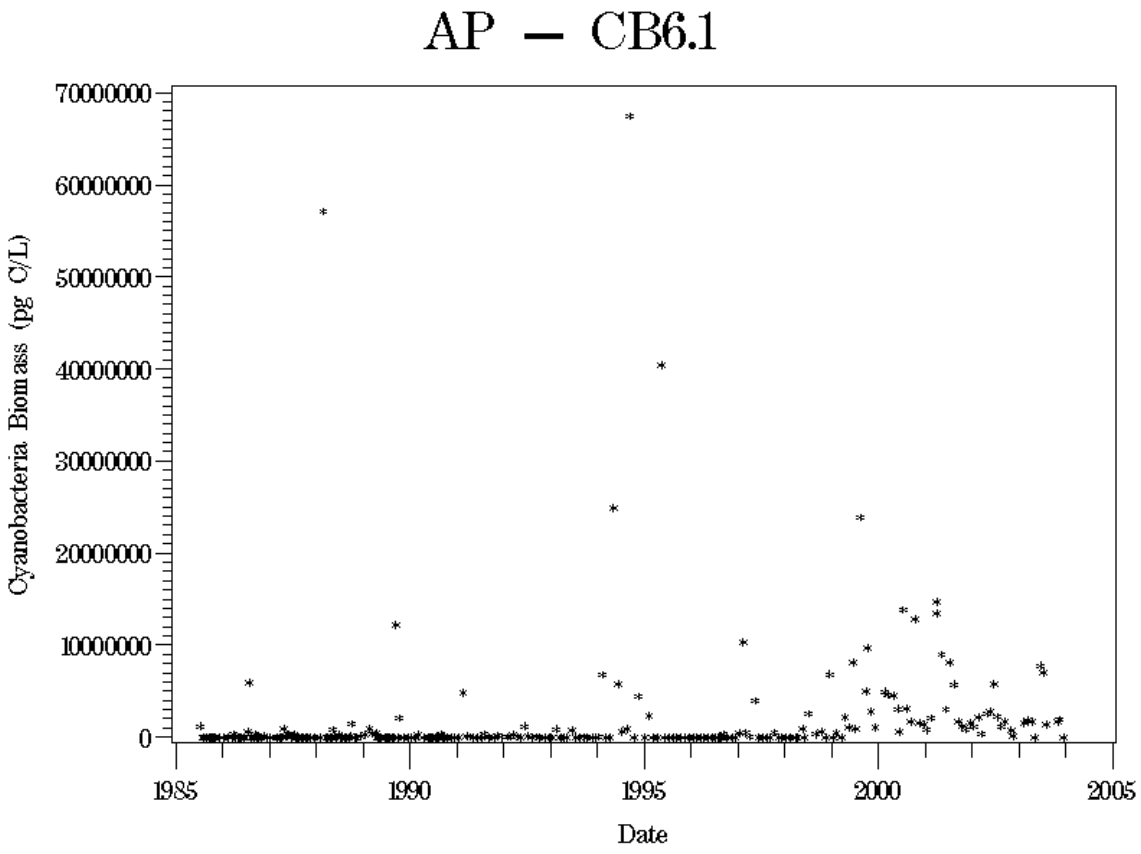

Figure F117. Plot of above pycnocline cyanobacteria biomass against time at station CB6.1 for the period of 1985 through 2003.

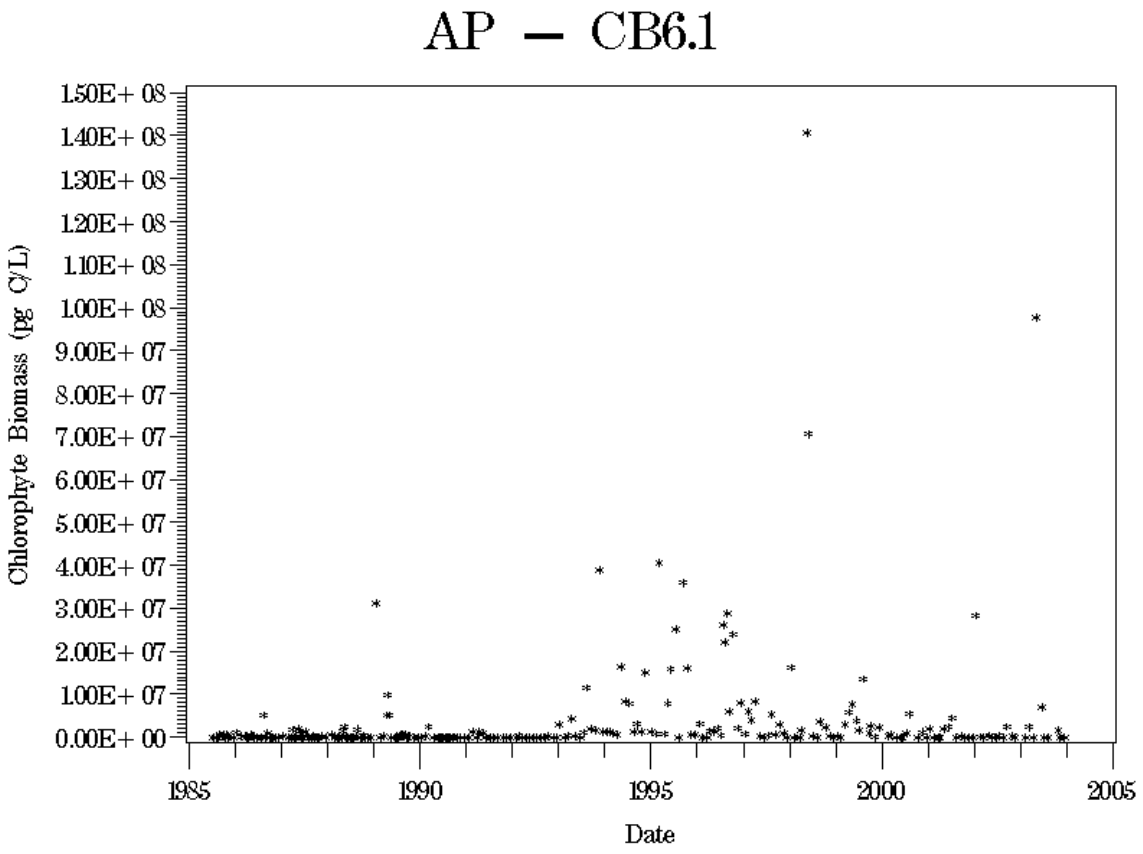

Figure F118. Plot of above pycnocline chlorophyte biomass against time at station CB6.1 for the period of 1985 through 2003.

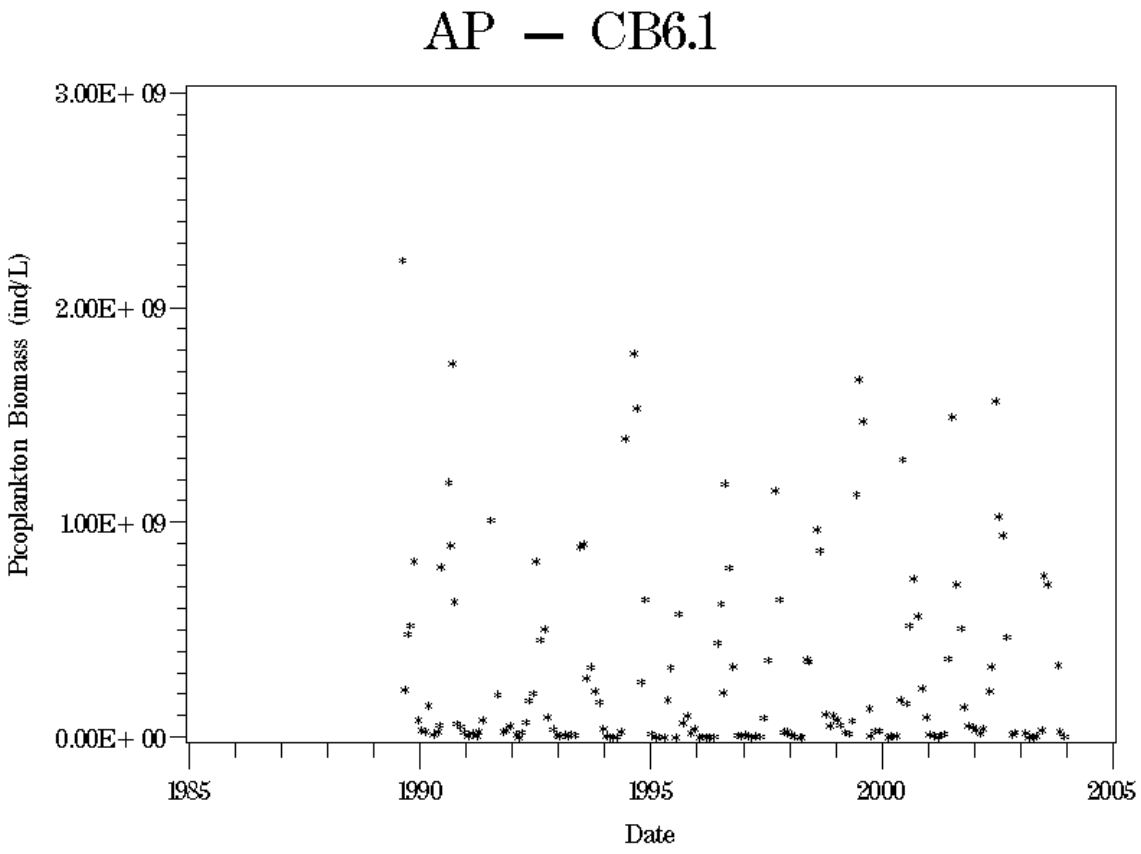

Figure F119. Plot of above pycnocline picoplankton biomass against time at station CB6.1 for the period of 1985 through 2003.

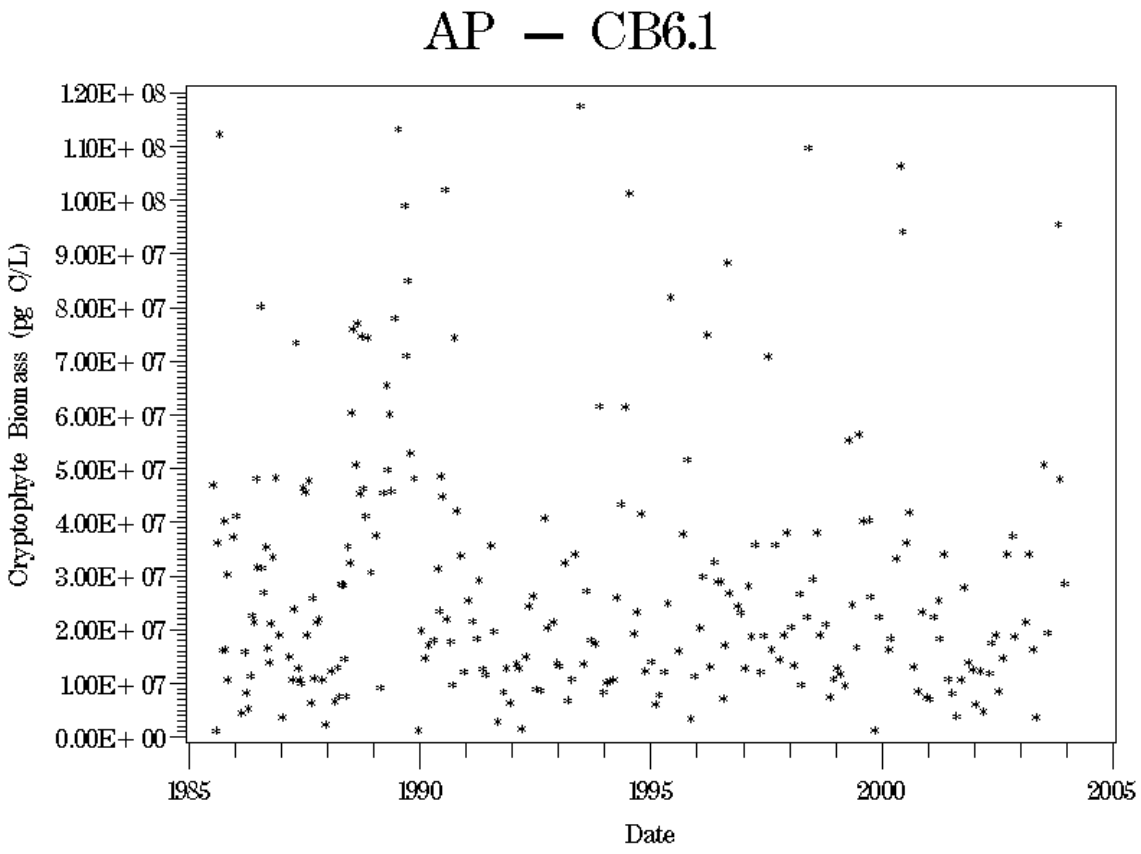

Figure F120. Plot of above pycnocline cryptophyte biomass at station CB6.1 for the period of 1985 through 2003.

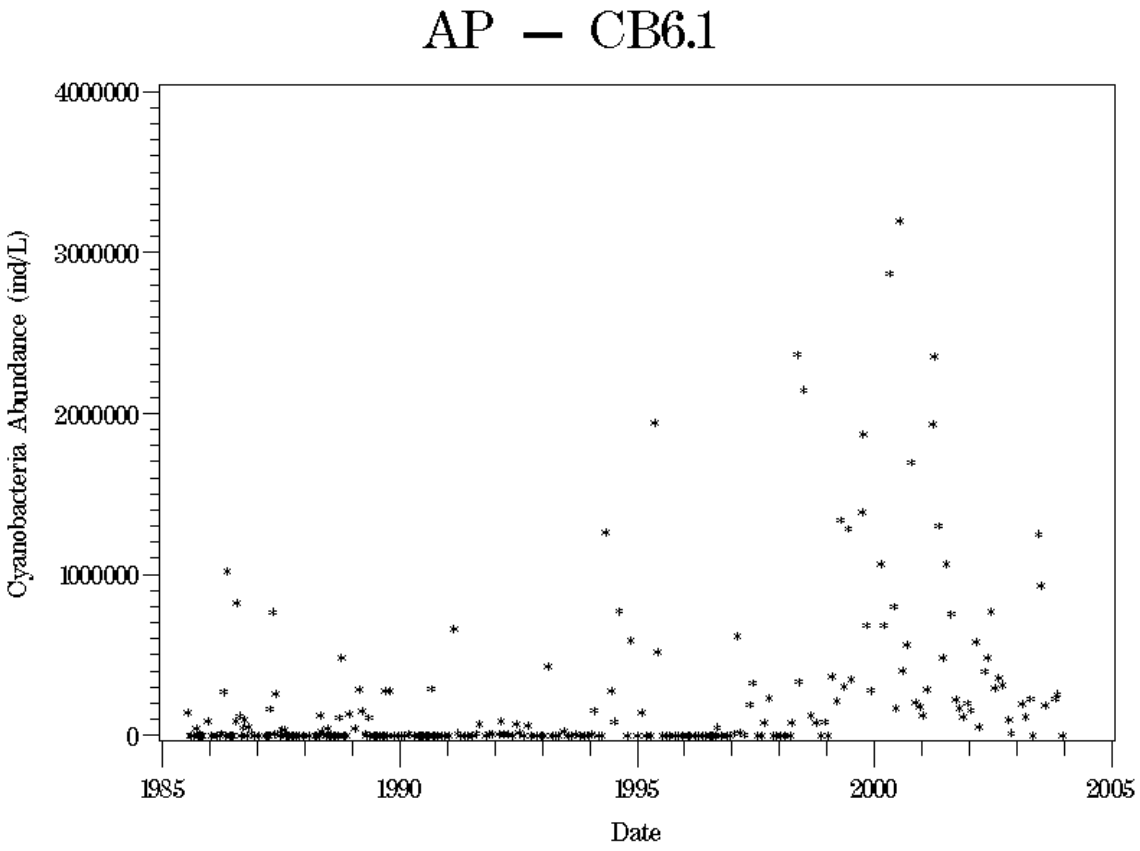

Figure F121. Plot of above pycnocline cyanophyte abundance at station CB6.1 for the period of 1985 through 2003.

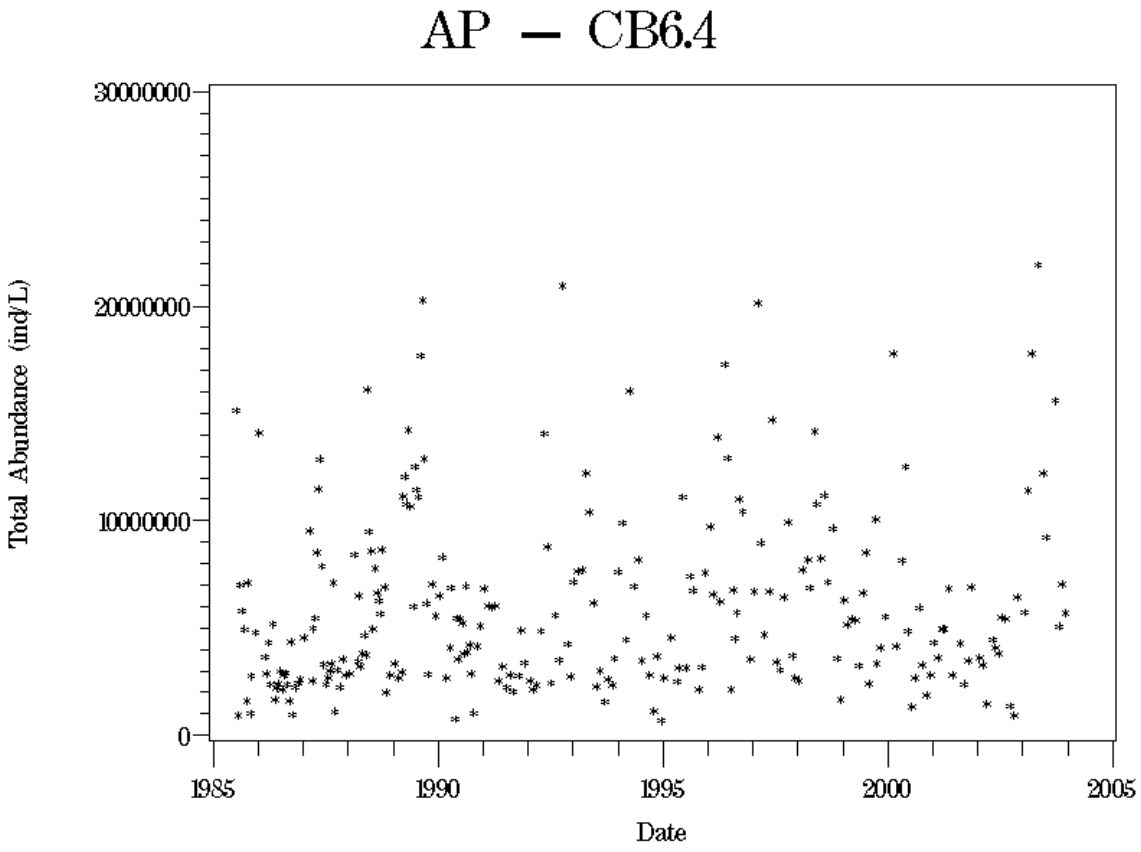

Figure F122. Plot of above pycnocline total phytoplankton abundance against time at station CB6.4 for the period of 1985 through 2003.

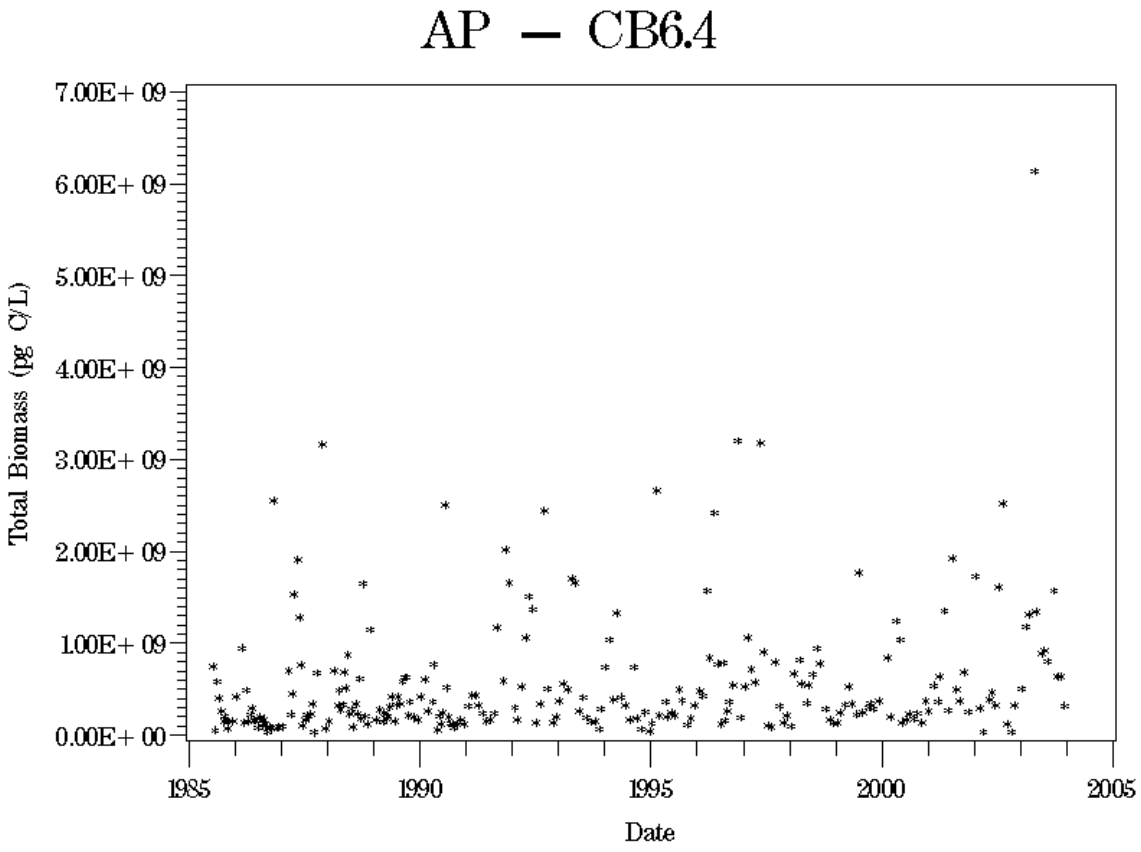

Figure F123. Plot of above pycnocline total phytoplankton biomass against time at station CB6.4 for the period of 1985 through 2003.

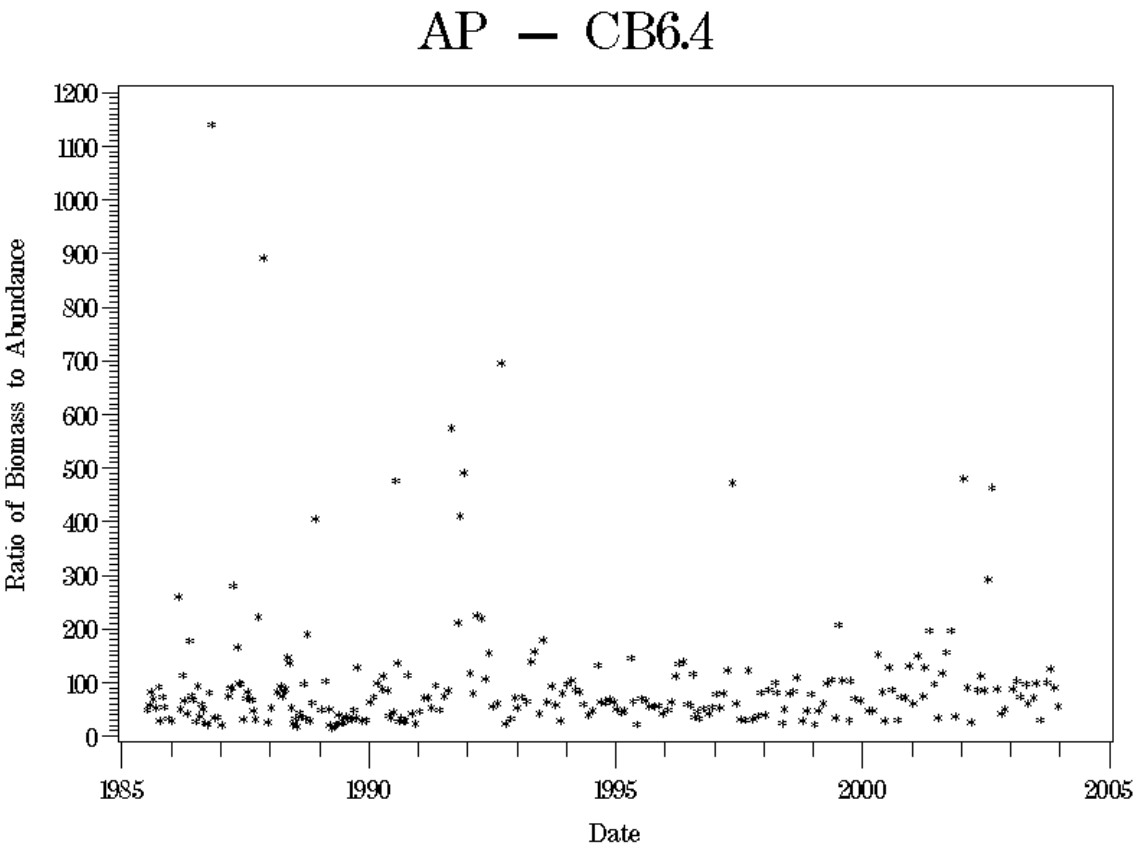

Figure F124. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB6.4 for the period of 1985 through 2003.

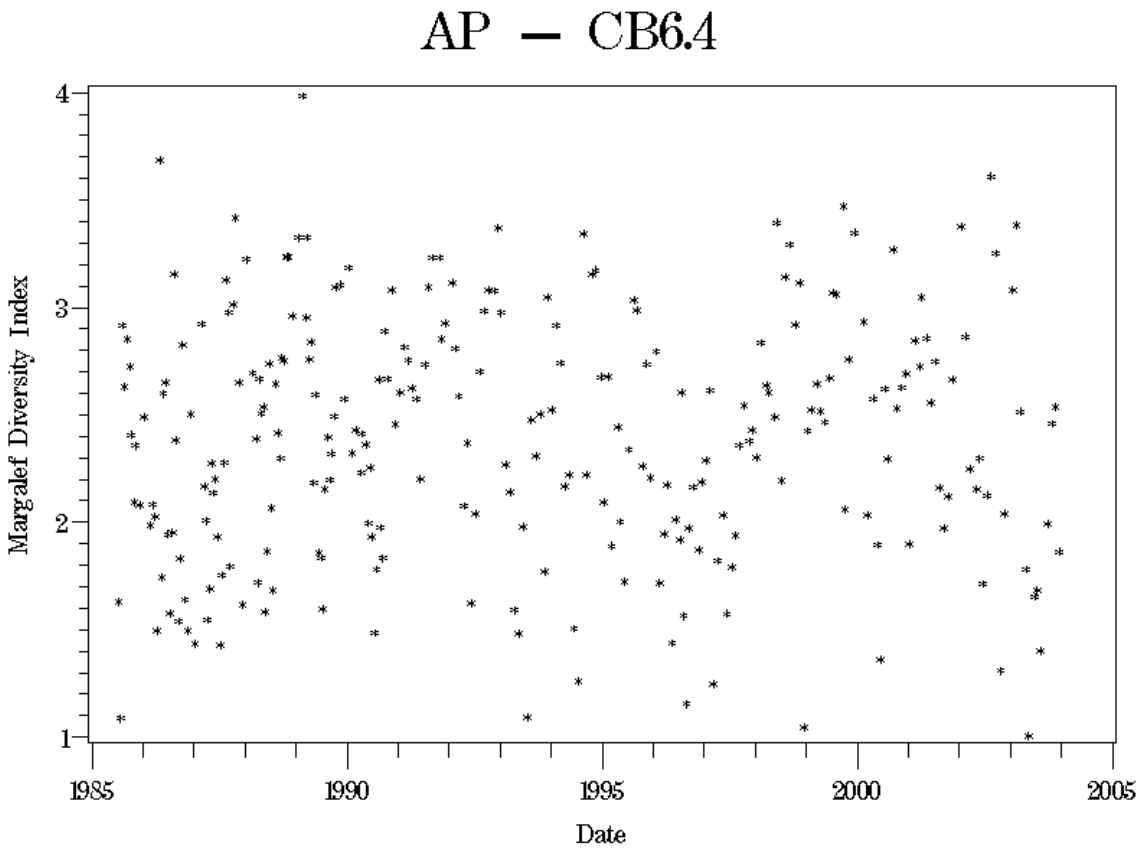

Figure F125. Plot of above pycnocline Margalef diversity index against time at station CB6.4 for the period of 1985 through 2003.

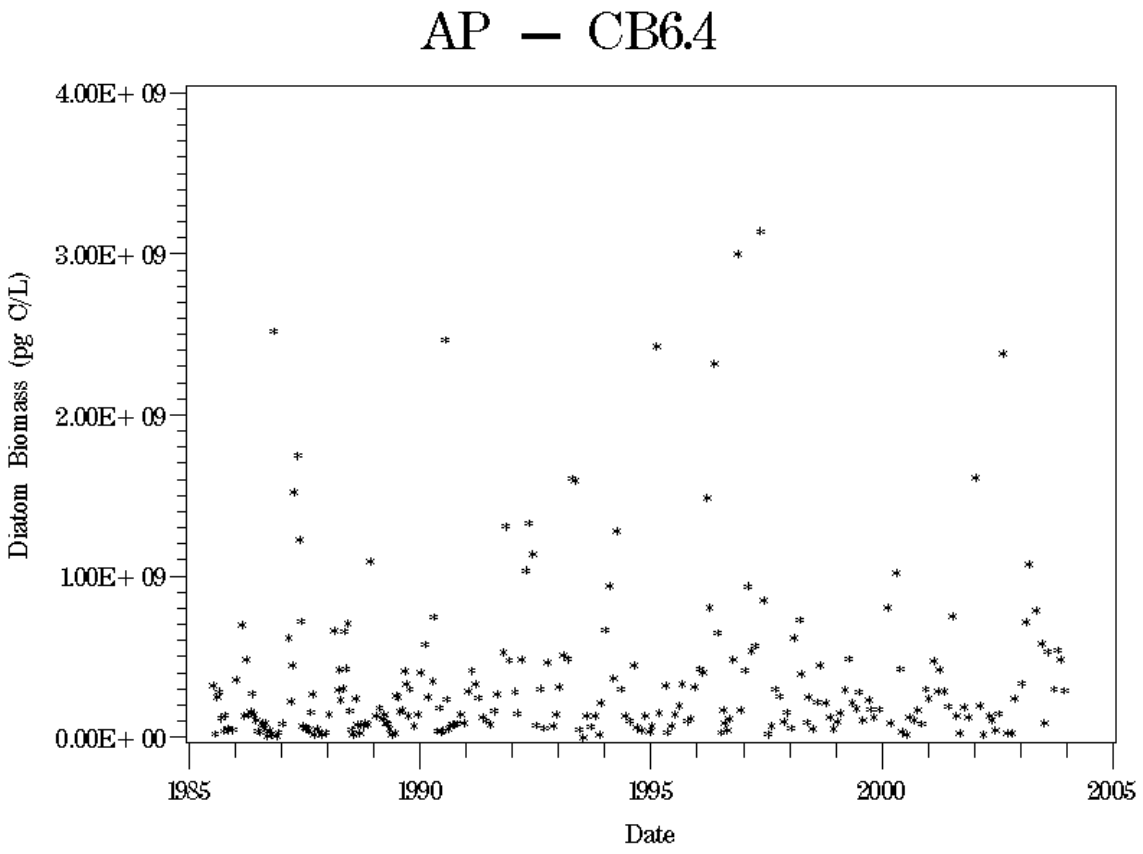

Figure F126. Plot of above pycnocline diatom biomass against time at station CB6.4 for the period of 1985 through 2003.

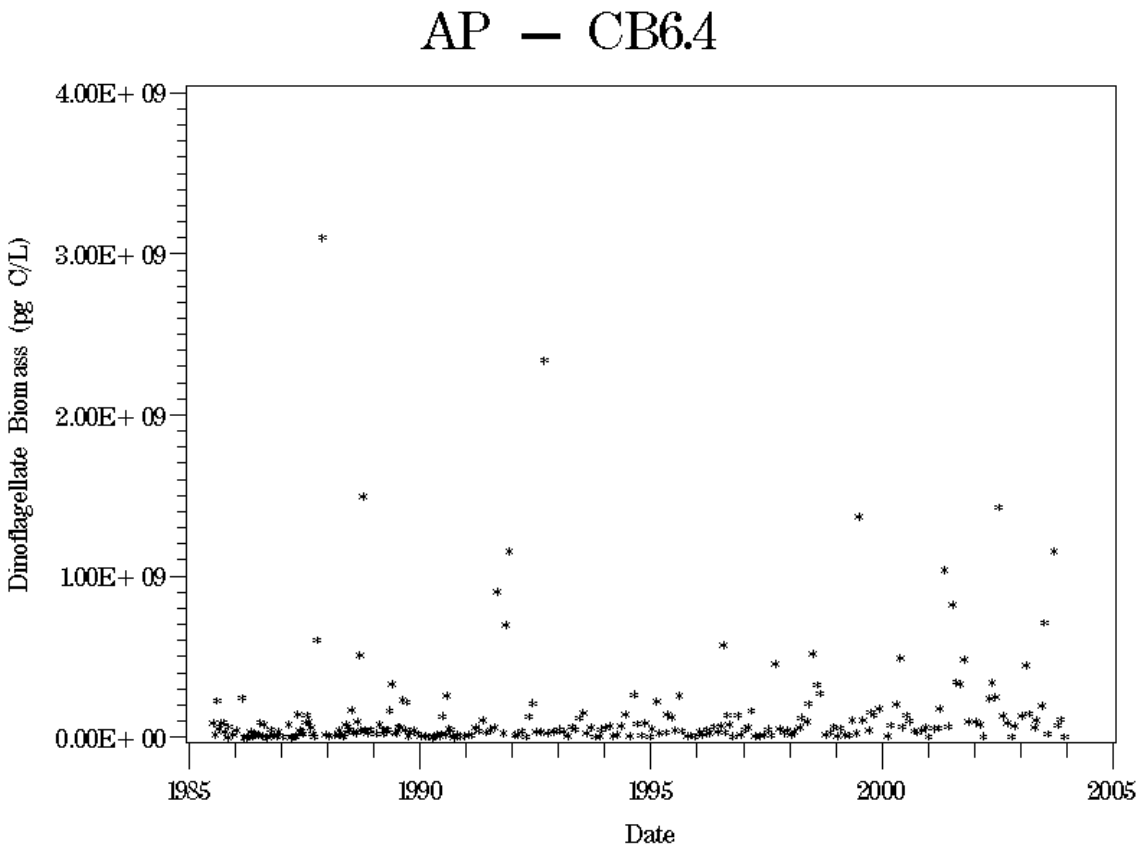

Figure F127. Plot of above pycnocline dinoflagellate biomass against time at station CB6.4 for the period of 1985 through 2003.

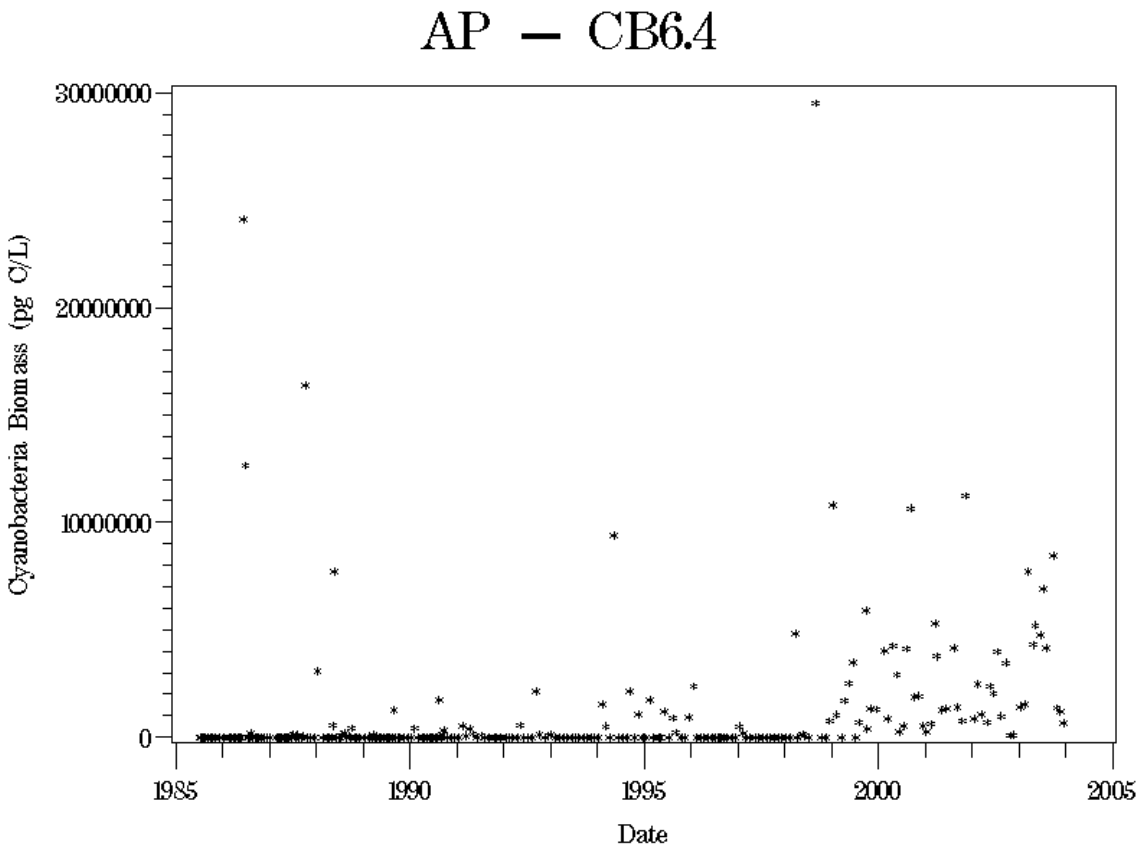

Figure F128. Plot of above pycnocline cyanobacteria biomass against time at station CB6.4 for the period of 1985 through 2003.

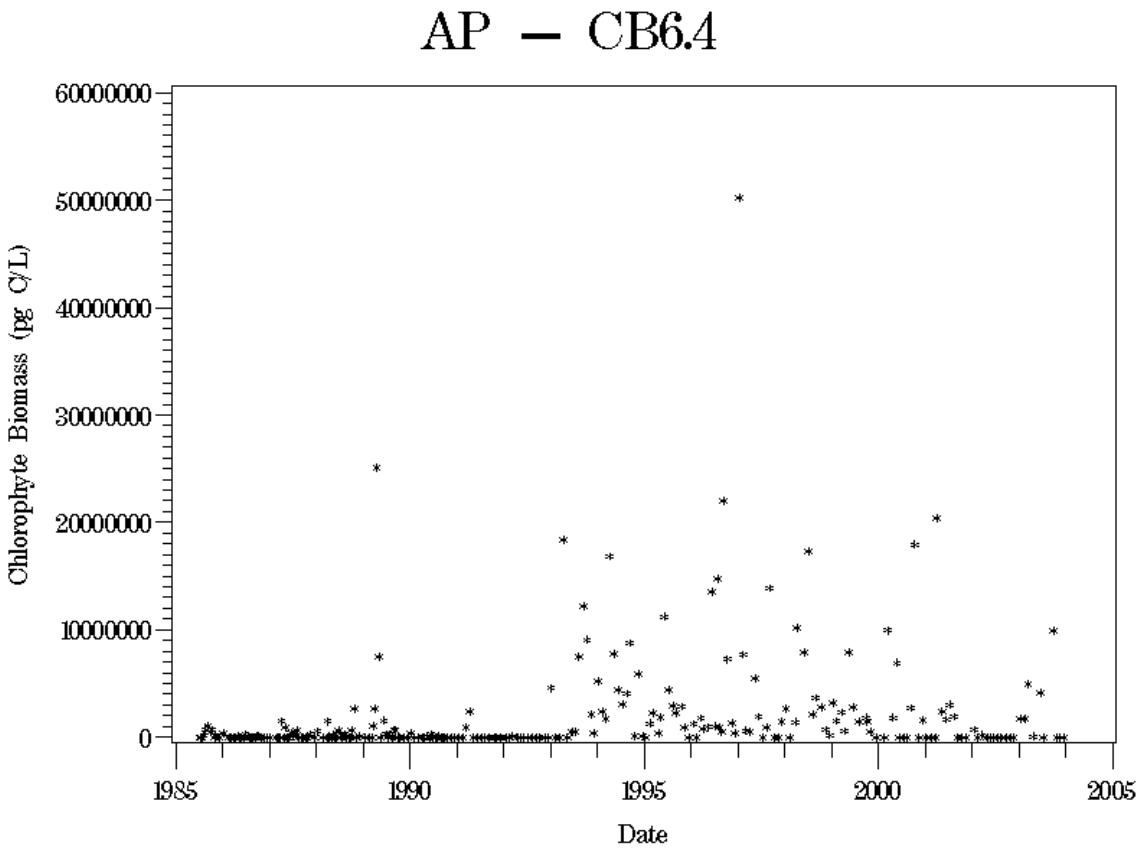

Figure F129. Plot of above pycnocline chlorophyte biomass against time at station CB6.4 for the period of 1985 through 2003.

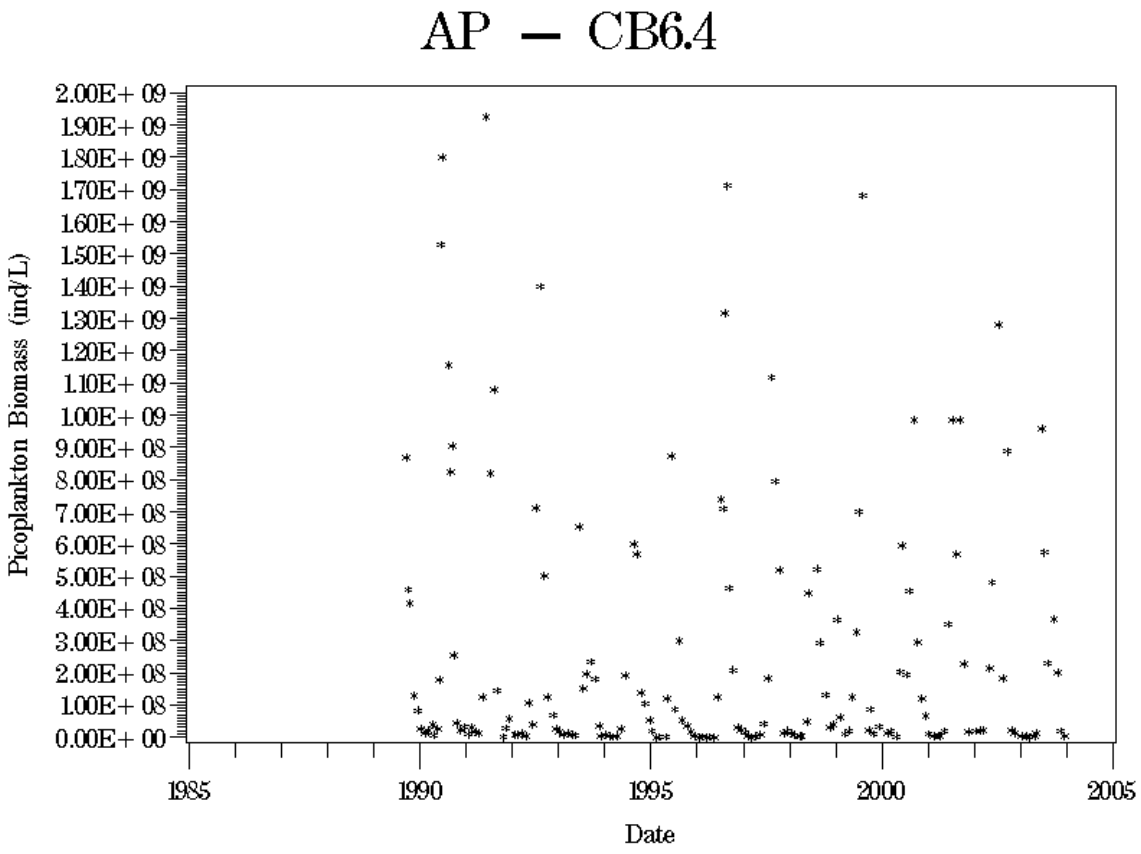

Figure F130. Plot of above pycnocline picoplankton biomass against time at station CB6.4 for the period of 1985 through 2003.

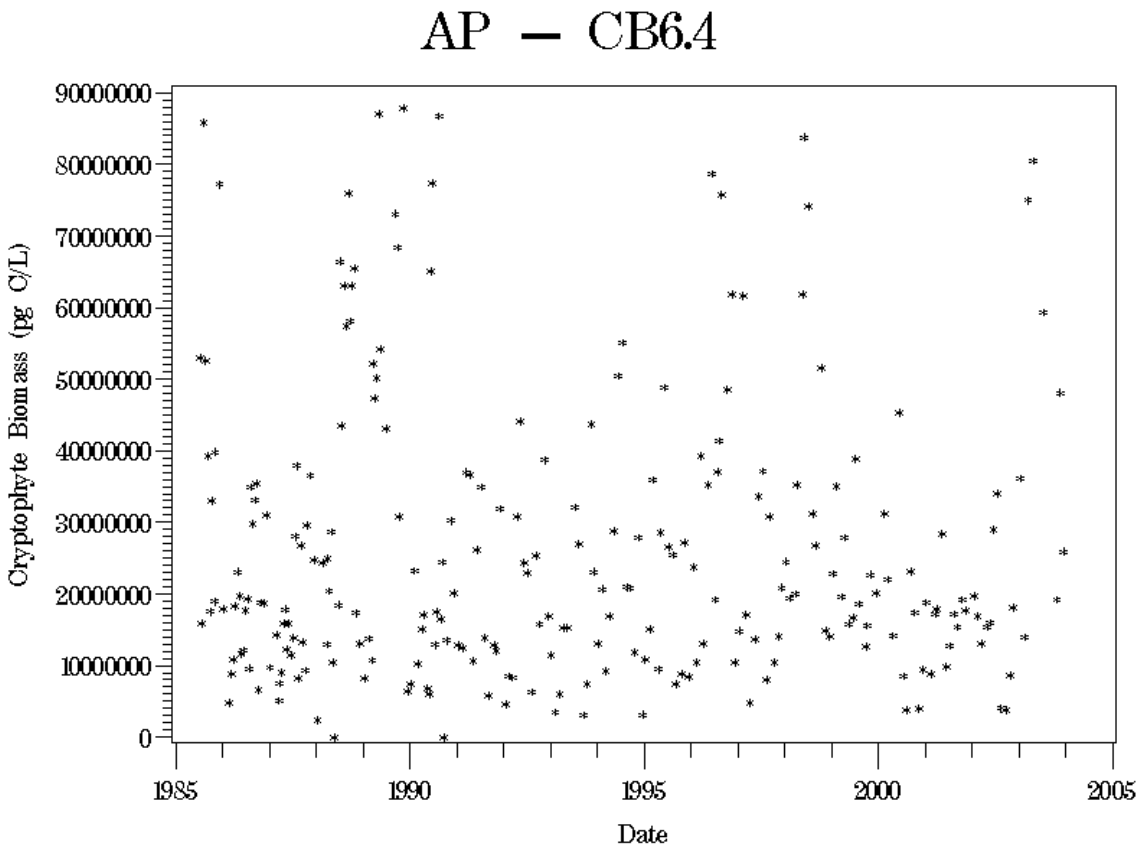

Figure F13l. Plot of above pycnocline cryptophyte biomass at station CB6.4 for the period of 1985 through 2003.

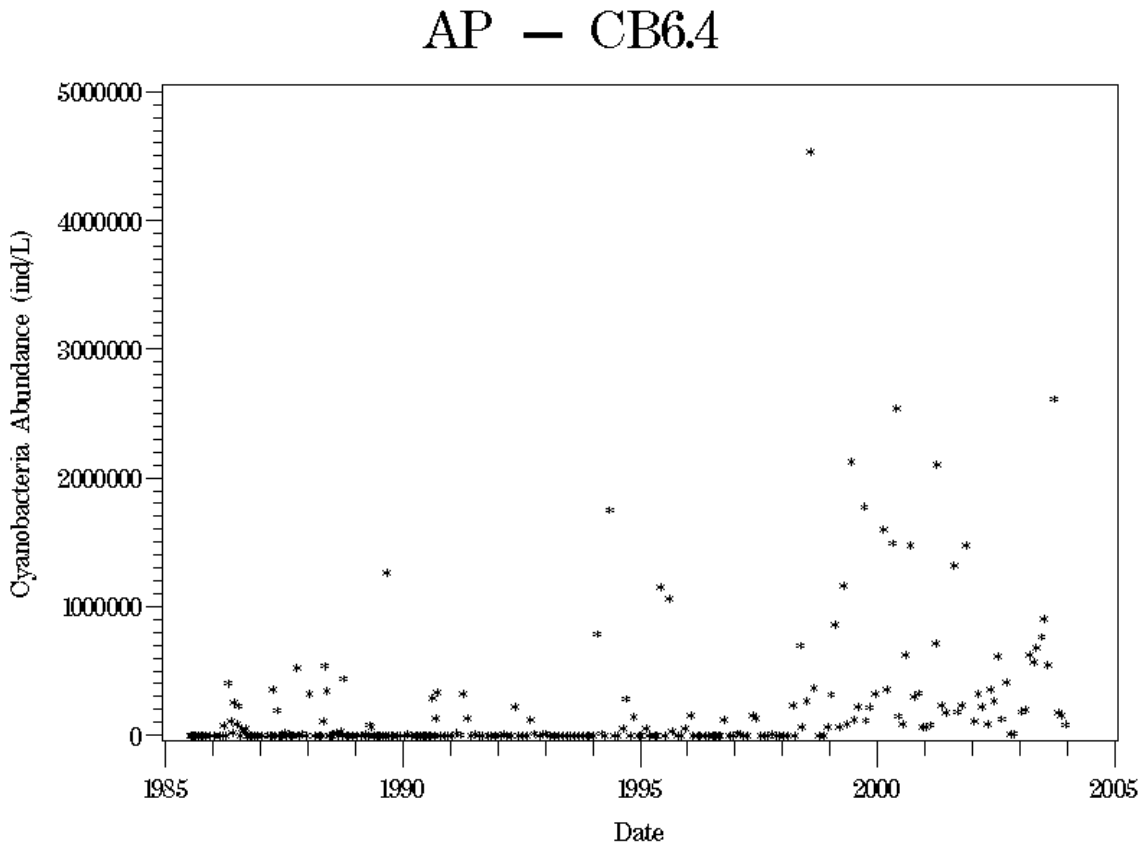

Figure F132. Plot of above pycnocline cyanophyte abundance at station CB6.4 for the period of 1985 through 2003.

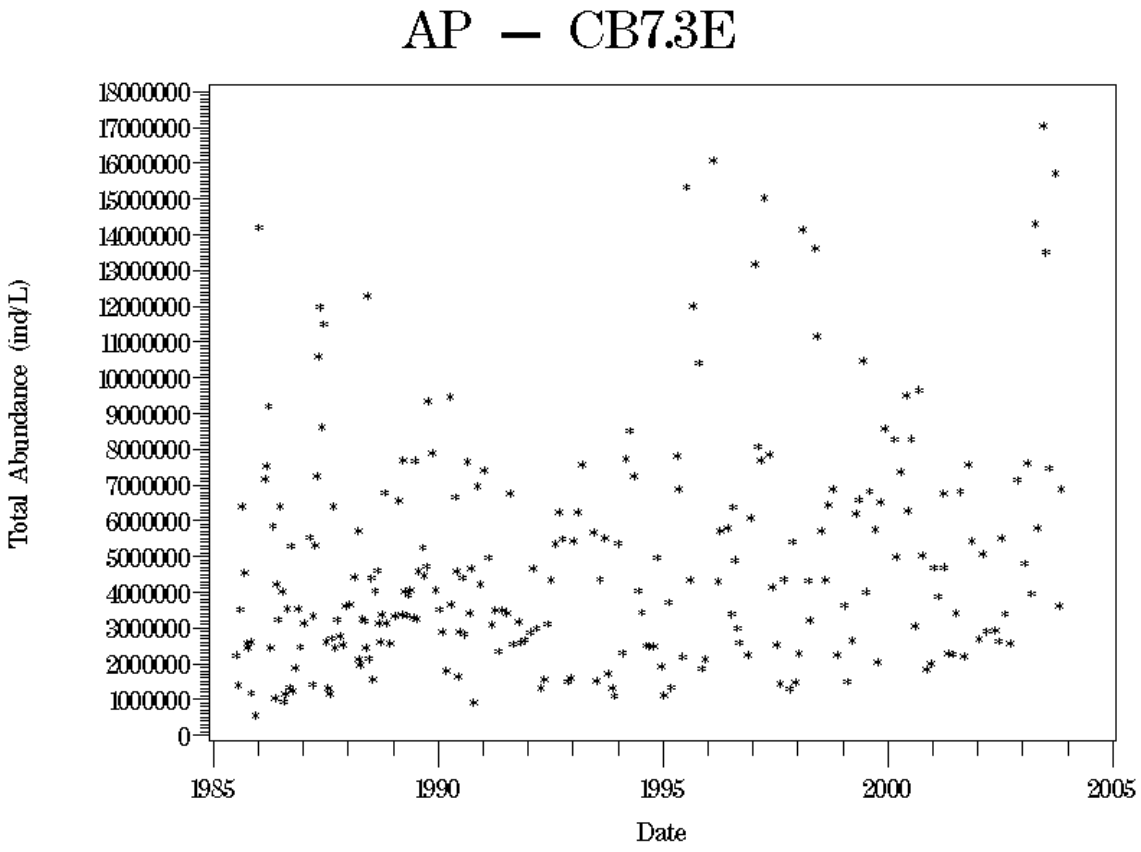

Figure F133. Plot of above pycnocline total phytoplankton abundance against time at station CB7.3E for the period of 1985 through 2003.

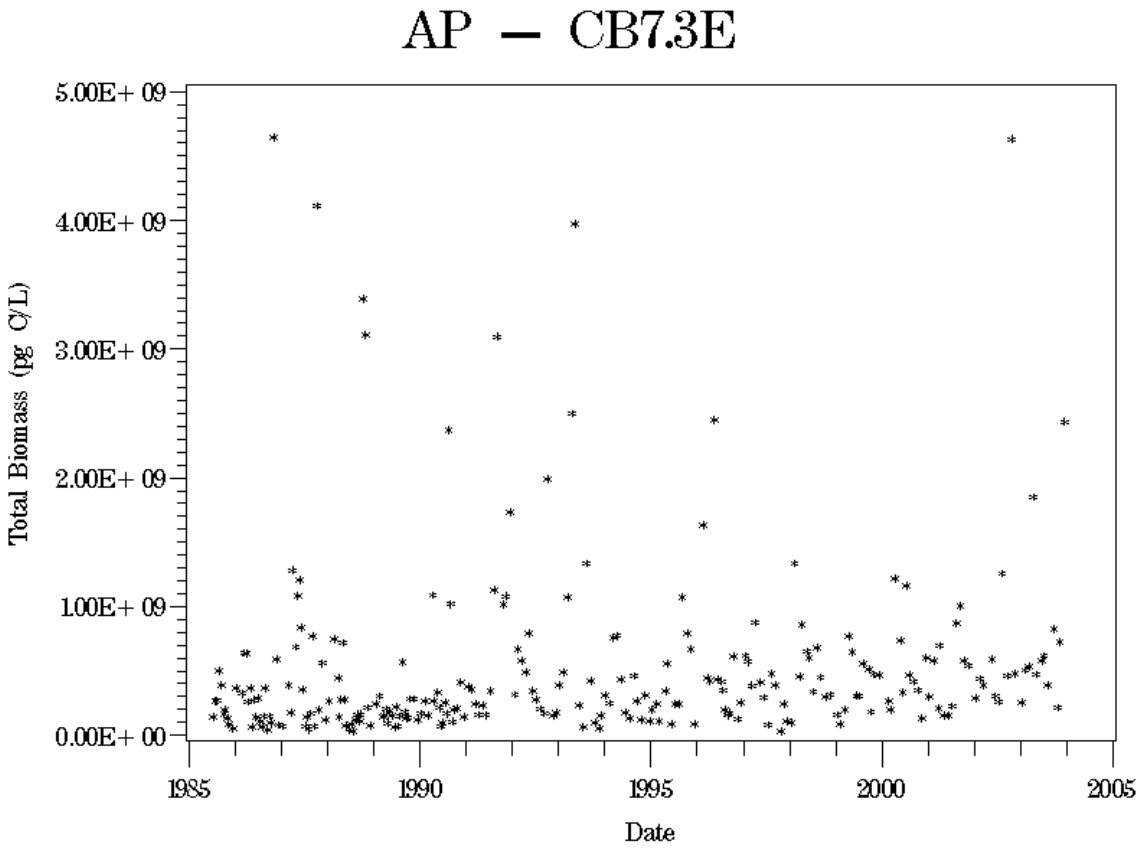

Figure F134. Plot of above pycnocline total phytoplankton biomass against time at station CB7.3E for the period of 1985 through 2003.

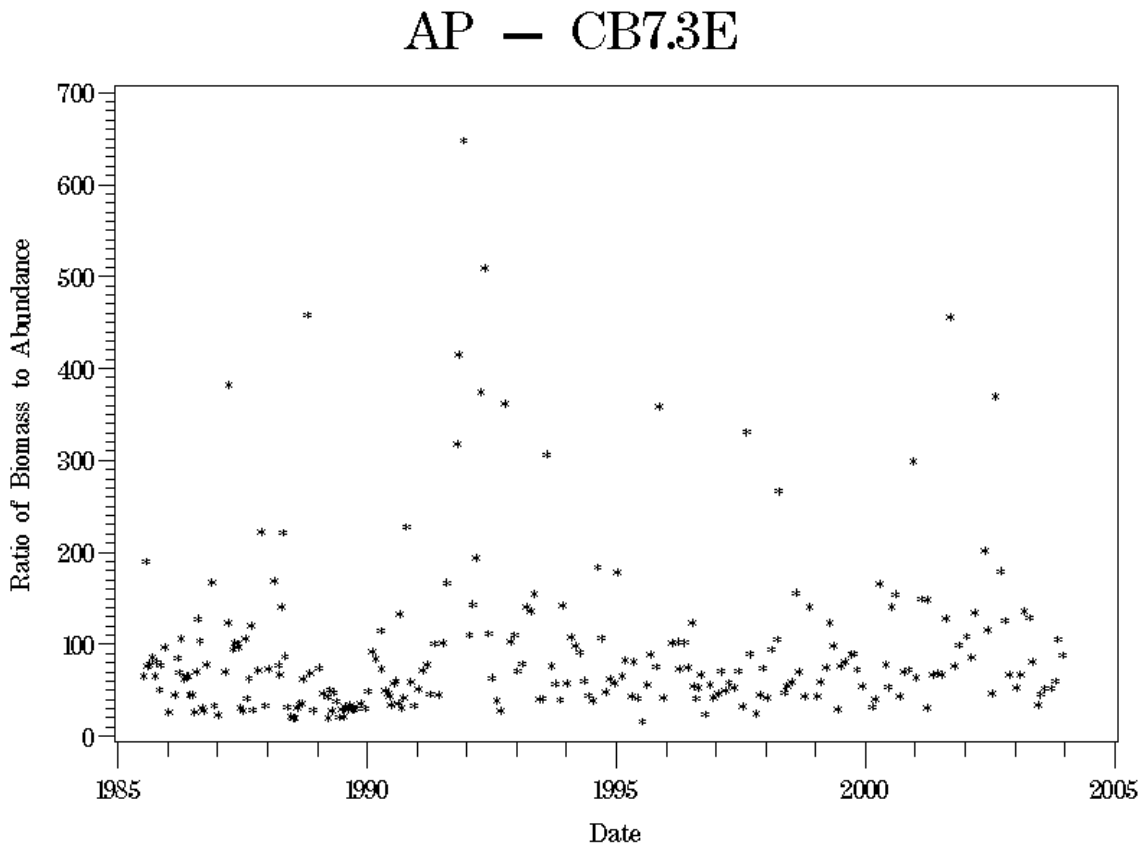

Figure F135. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB7.3E for the period of 1985 through 2003.

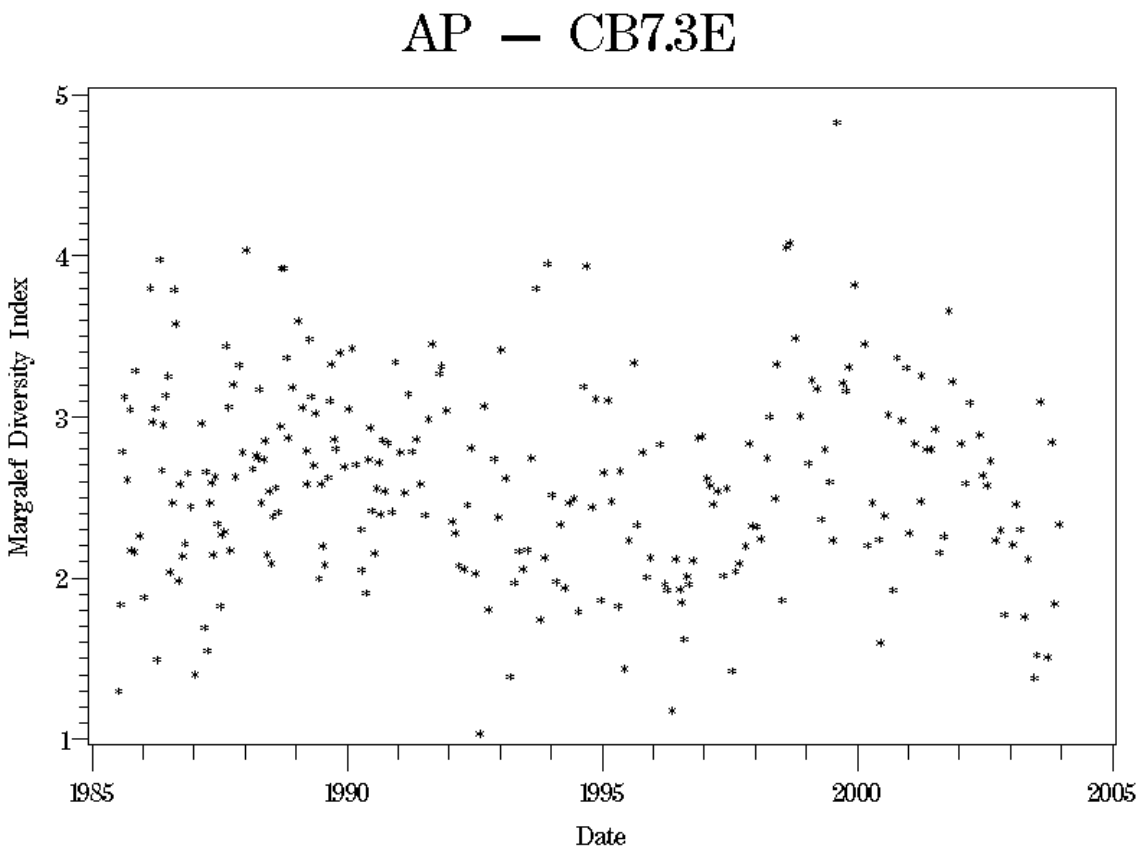

Figure F136. Plot of above pycnocline Margalef diversity index against time at station CB7.3E for the period of 1985 through 2003.

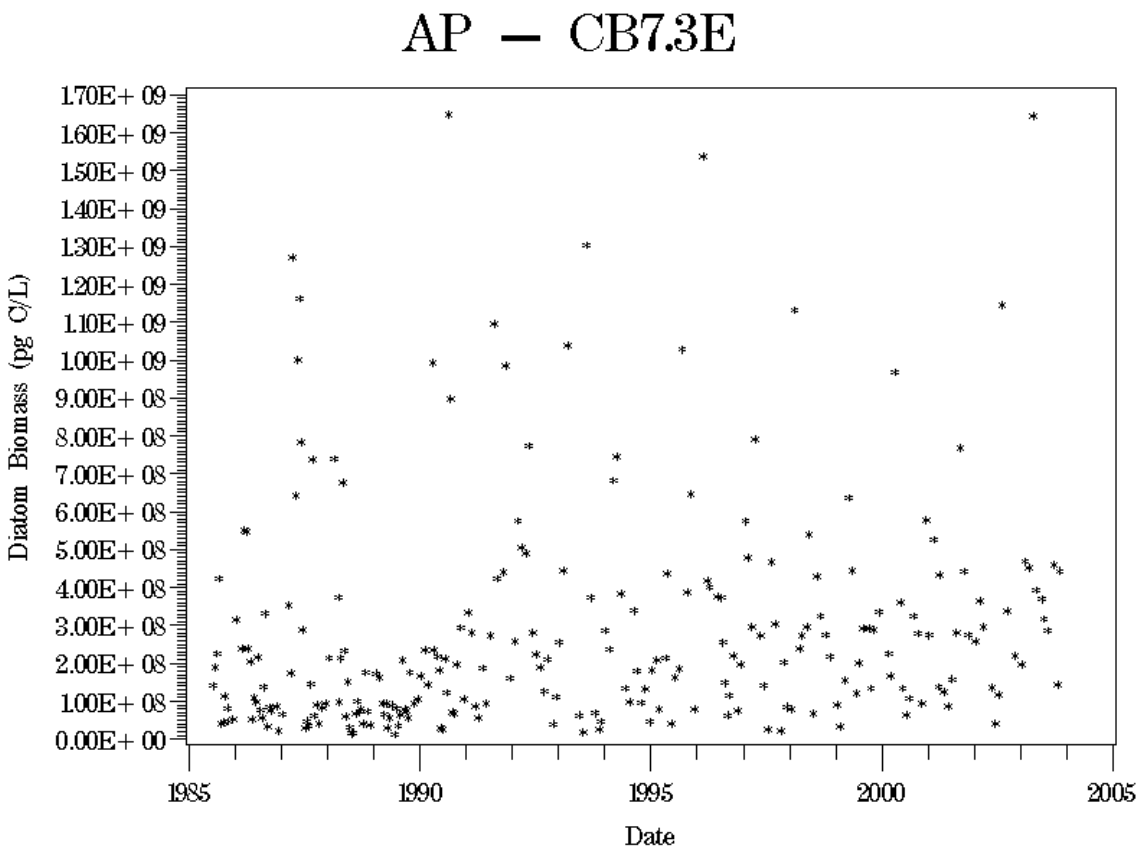

Figure F137. Plot of above pycnocline diatom biomass against time at station CB7.3E for the period of 1985 through 2003.

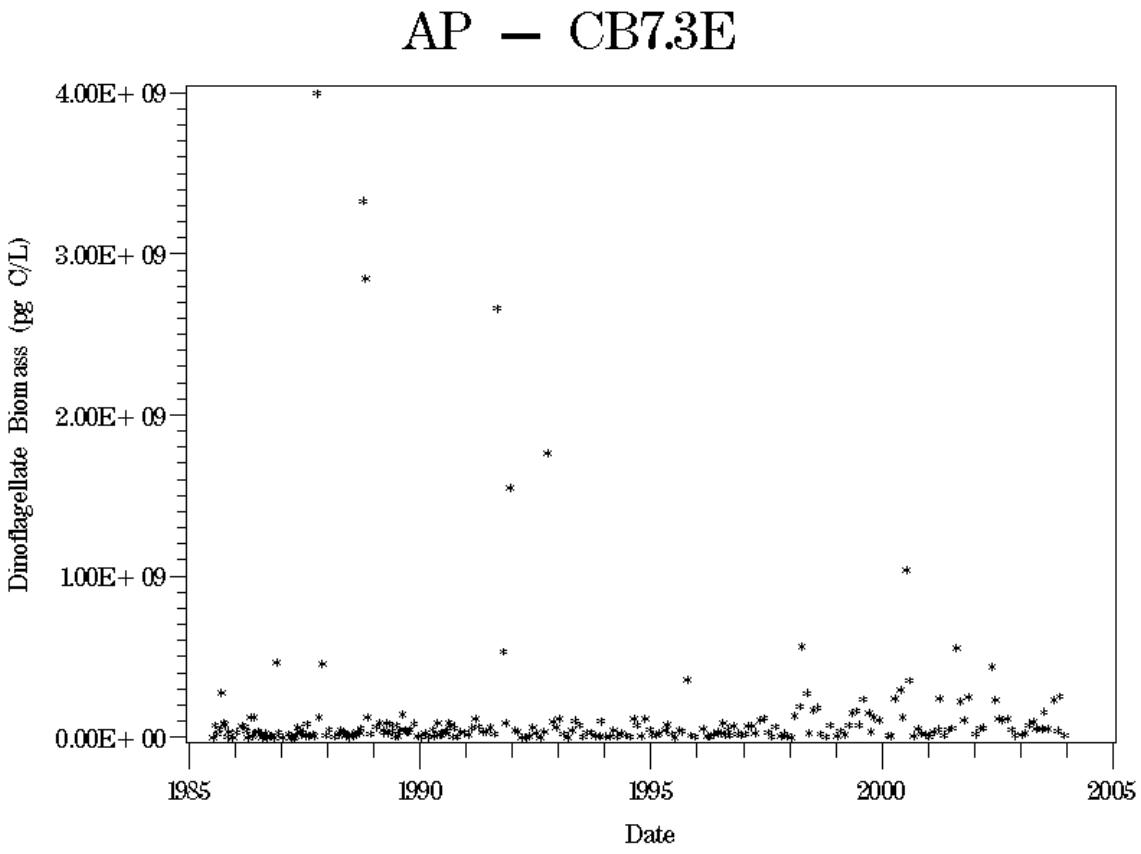

Figure F138. Plot of above pycnocline dinoflagellate biomass against time at station CB7.3E for the period of 1985 through 2003.

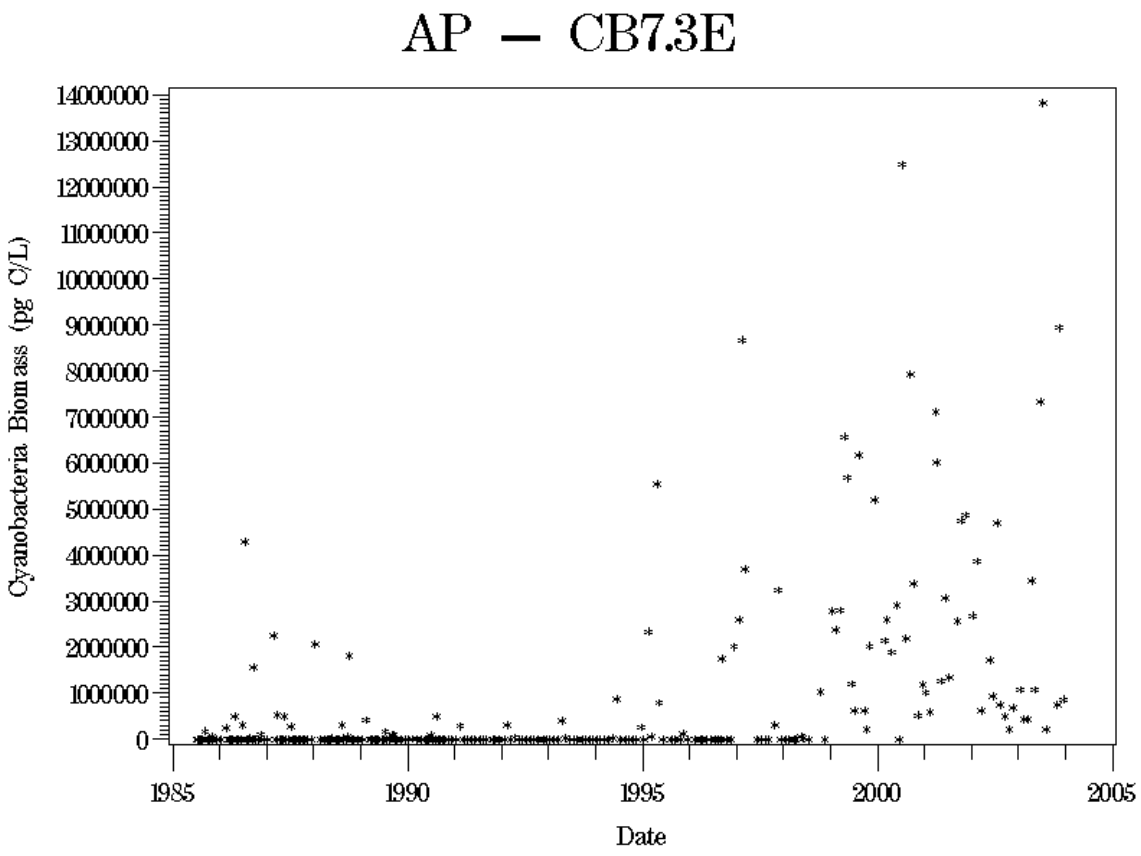

Figure F139. Plot of above pycnocline cyanobacteria biomass against time at station CB7.3E for the period of 1985 through 2003.

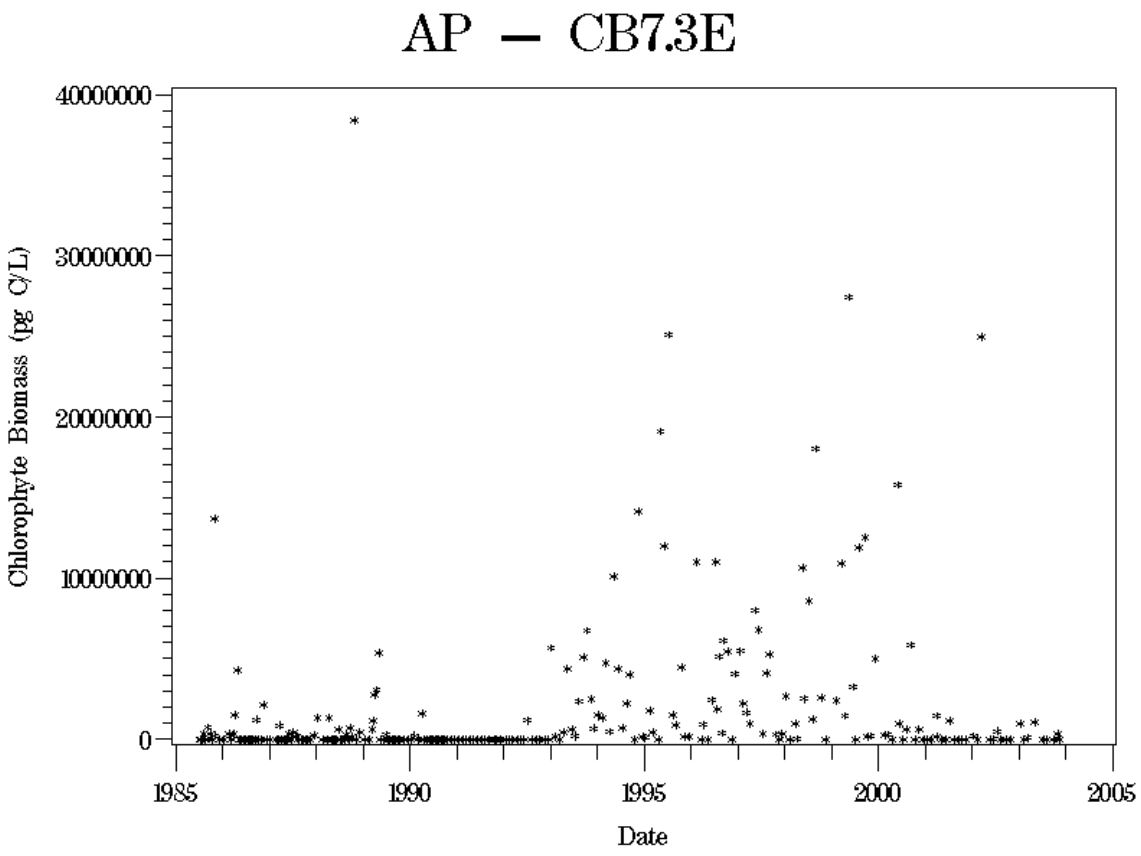

Figure F140. Plot of above pycnocline chlorophyte biomass against time at station CB7.3E for the period of 1985 through 2003.

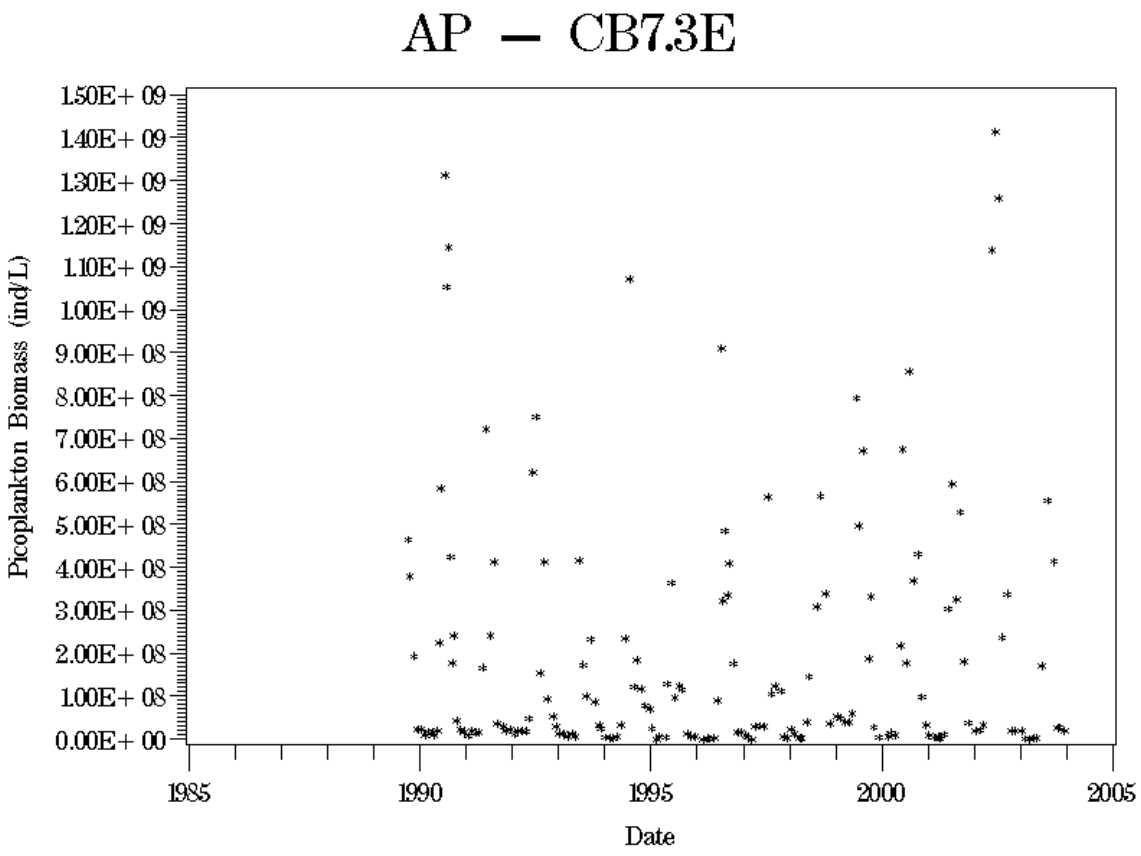

Figure F141. Plot of above pycnocline picoplankton biomass against time at station CB7.3E for the period of 1985 through 2003.

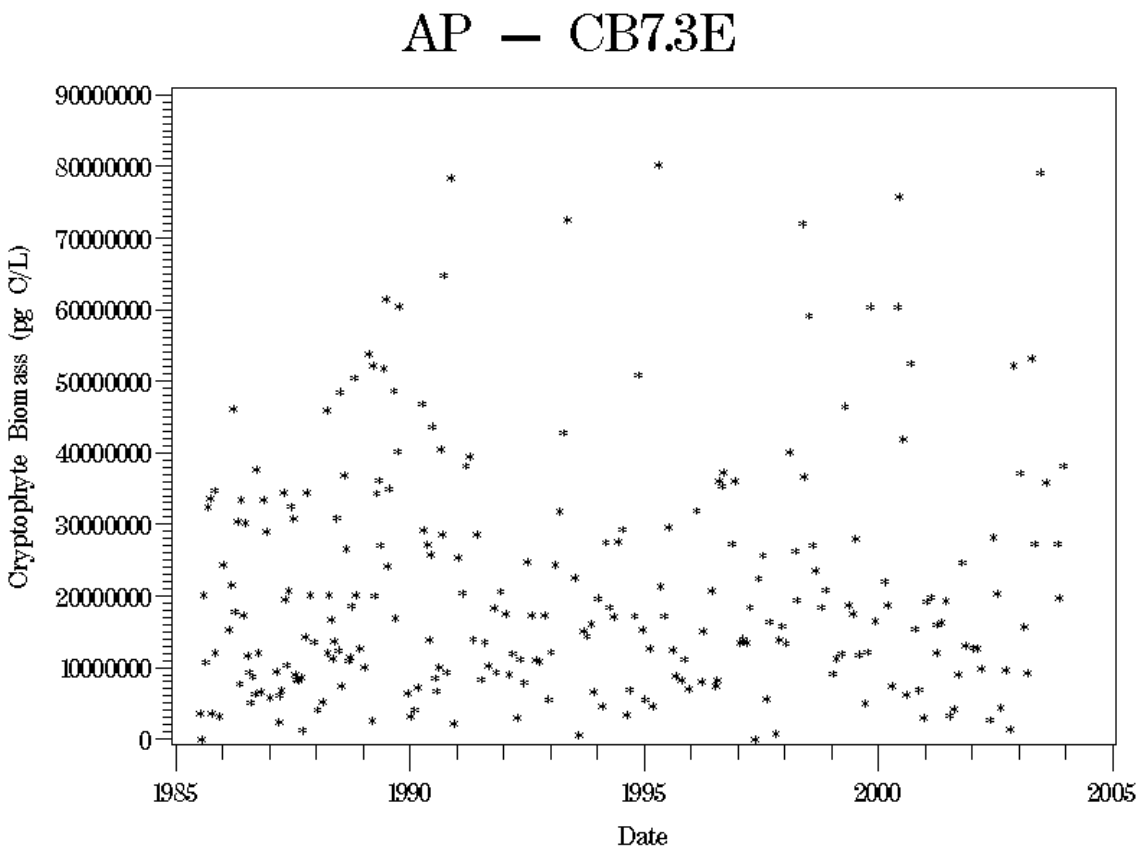

Figure F142. Plot of above pycnocline cryptophyte biomass at station CB7.3E for the period of 1985 through 2003.

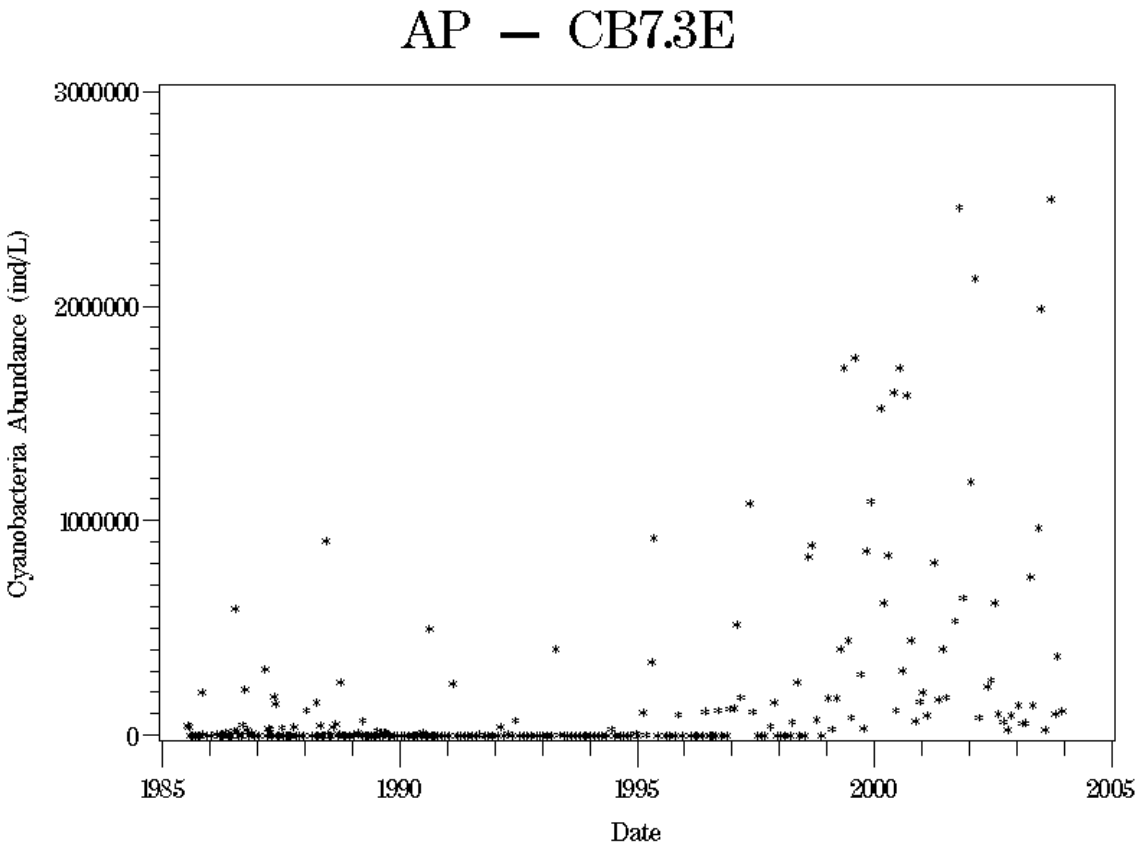

Figure F143. Plot of above pycnocline cyanophyte abundance at station CB7.3E for the period of 1985 through 2003.

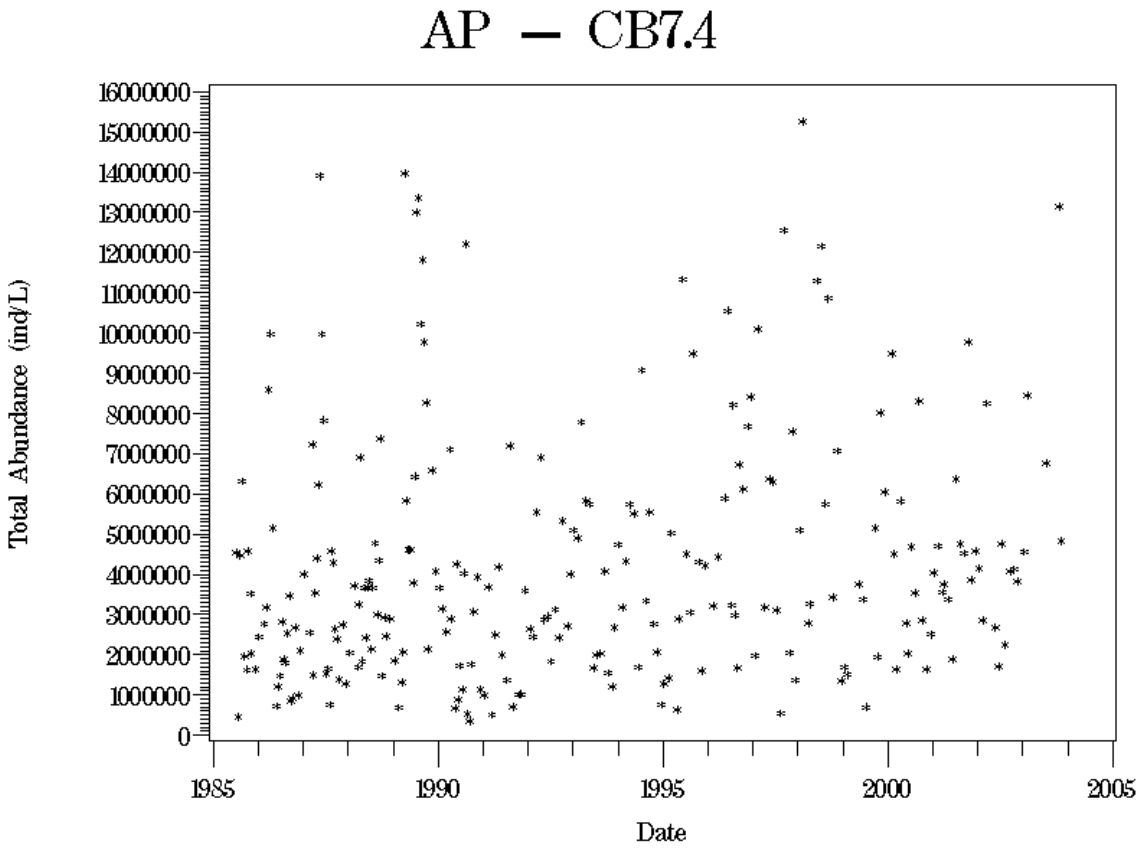

Figure F144. Plot of above pycnocline total phytoplankton abundance against time at station CB7.4 for the period of 1985 through 2003.

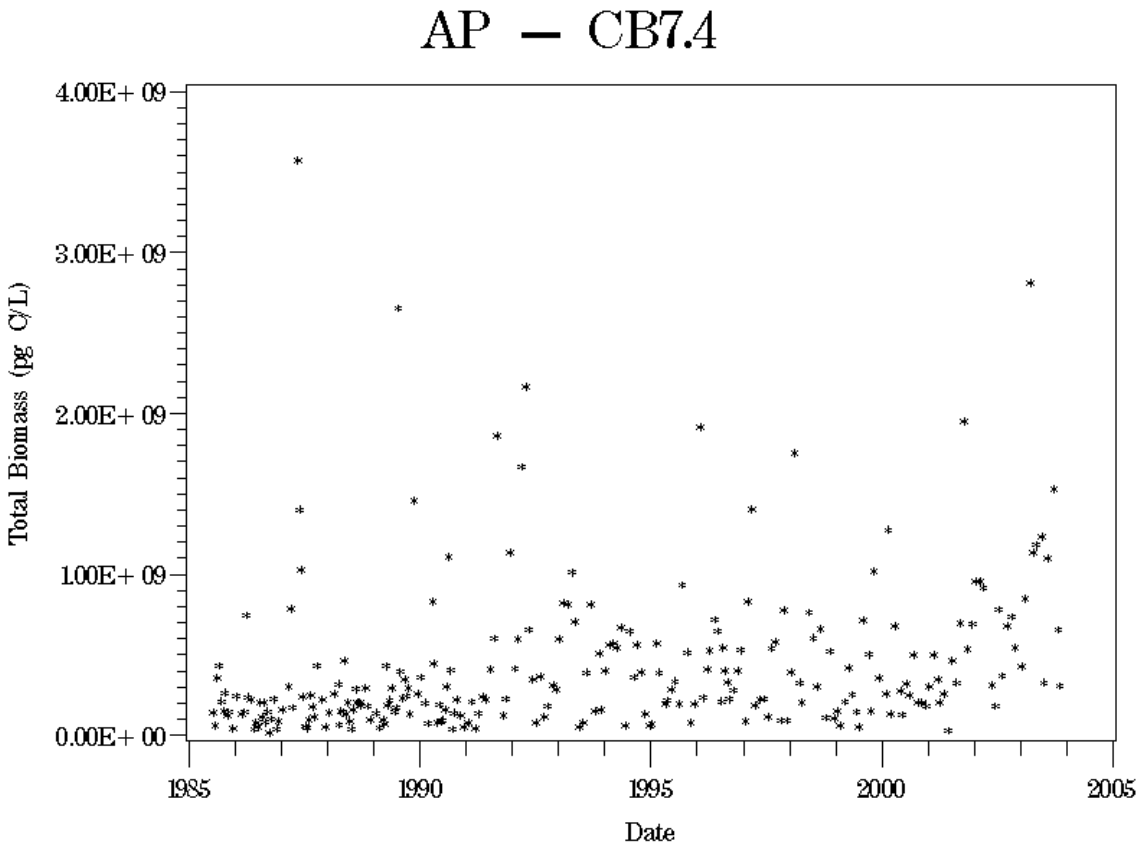

Figure F145. Plot of above pycnocline total phytoplankton biomass against time at station CB7.4 for the period of 1985 through 2003.

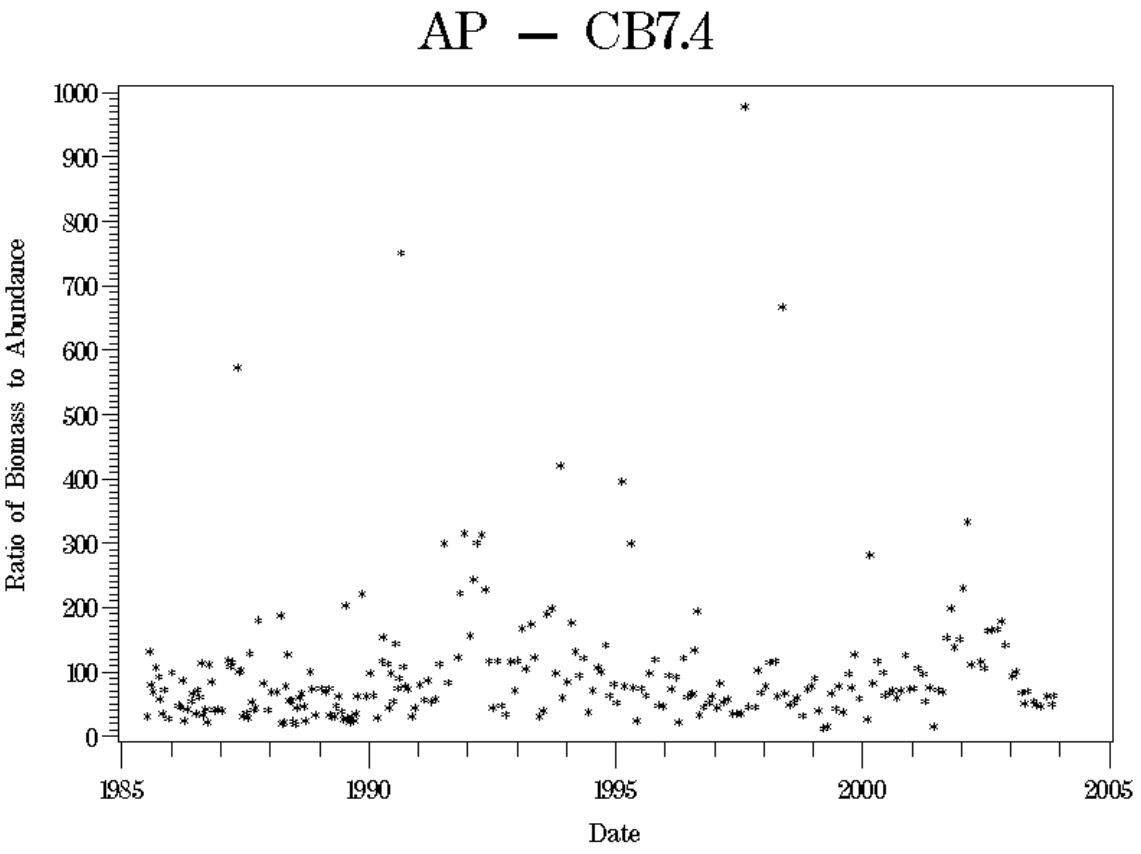

Figure F146. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB7.4 for the period of 1985 through 2003.

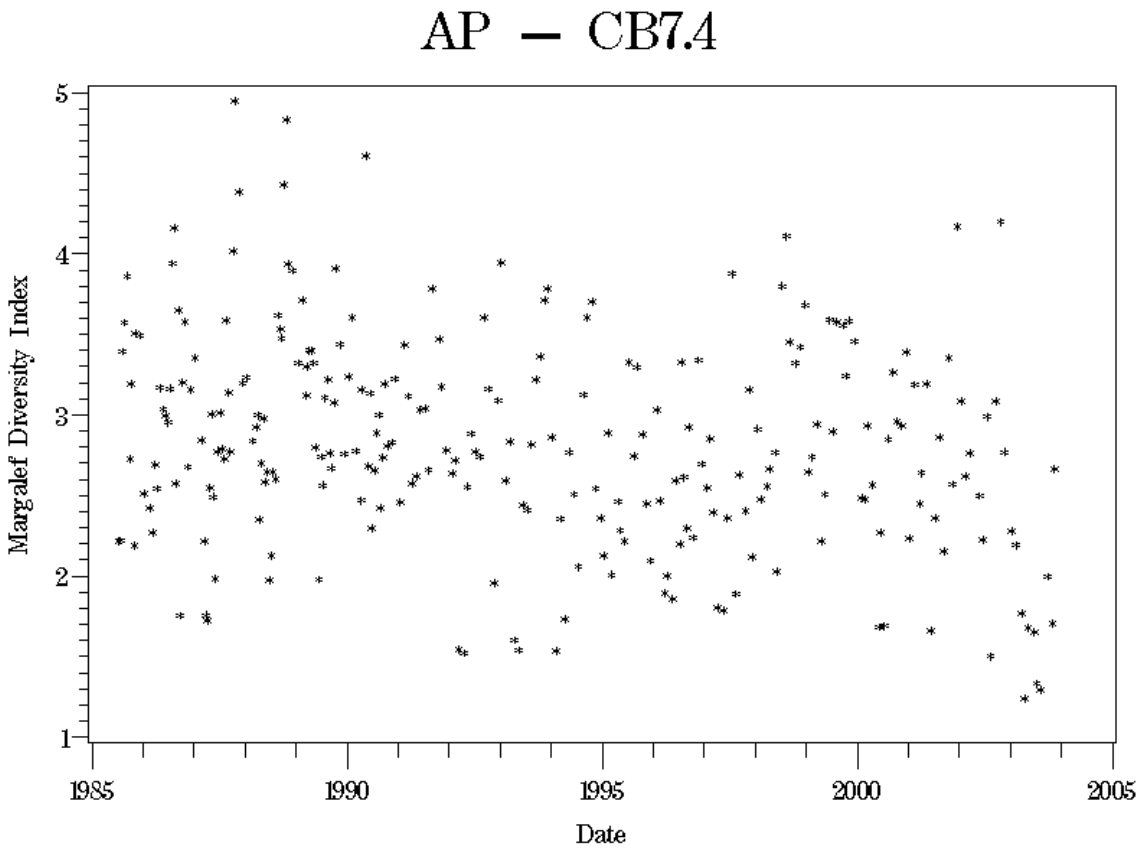

Figure F147. Plot of above pycnocline Margalef diversity index against time at station CB7.4 for the period of 1985 through 2003.

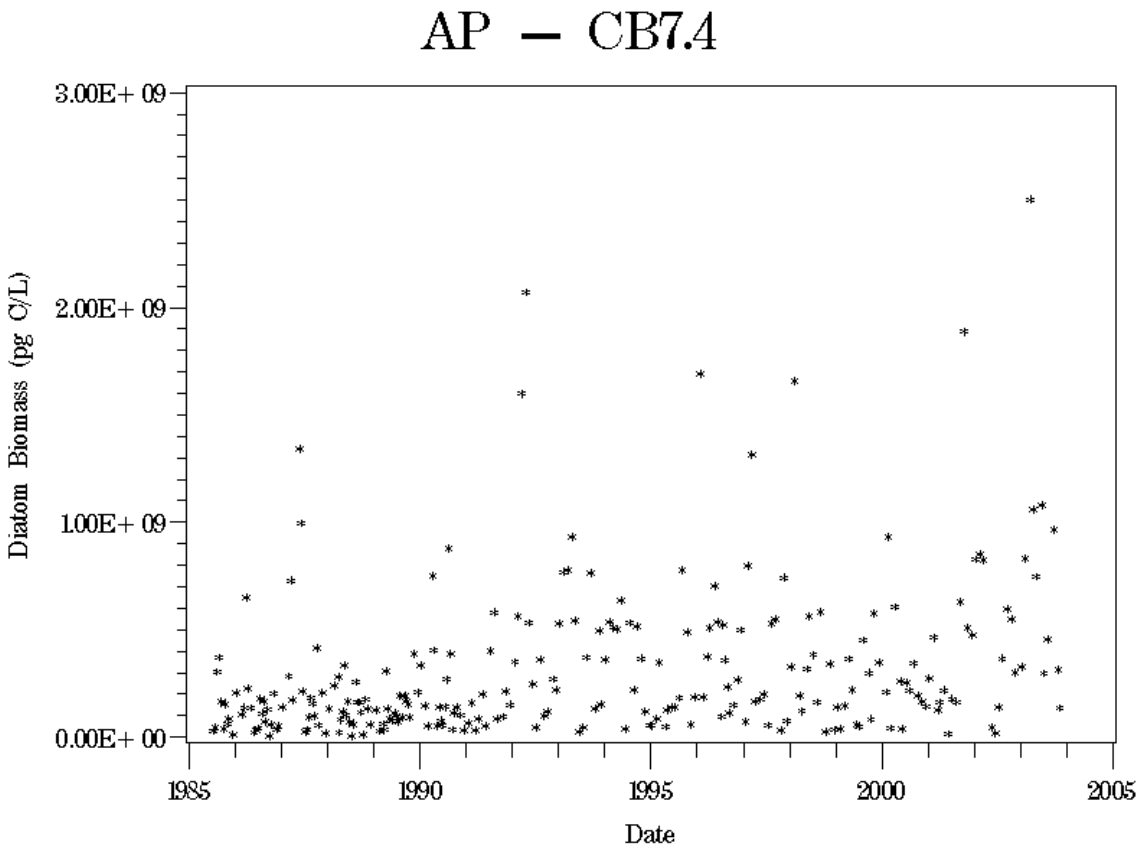

Figure F148. Plot of above pycnocline diatom biomass against time at station CB7.4 for the period of 1985 through 2003.

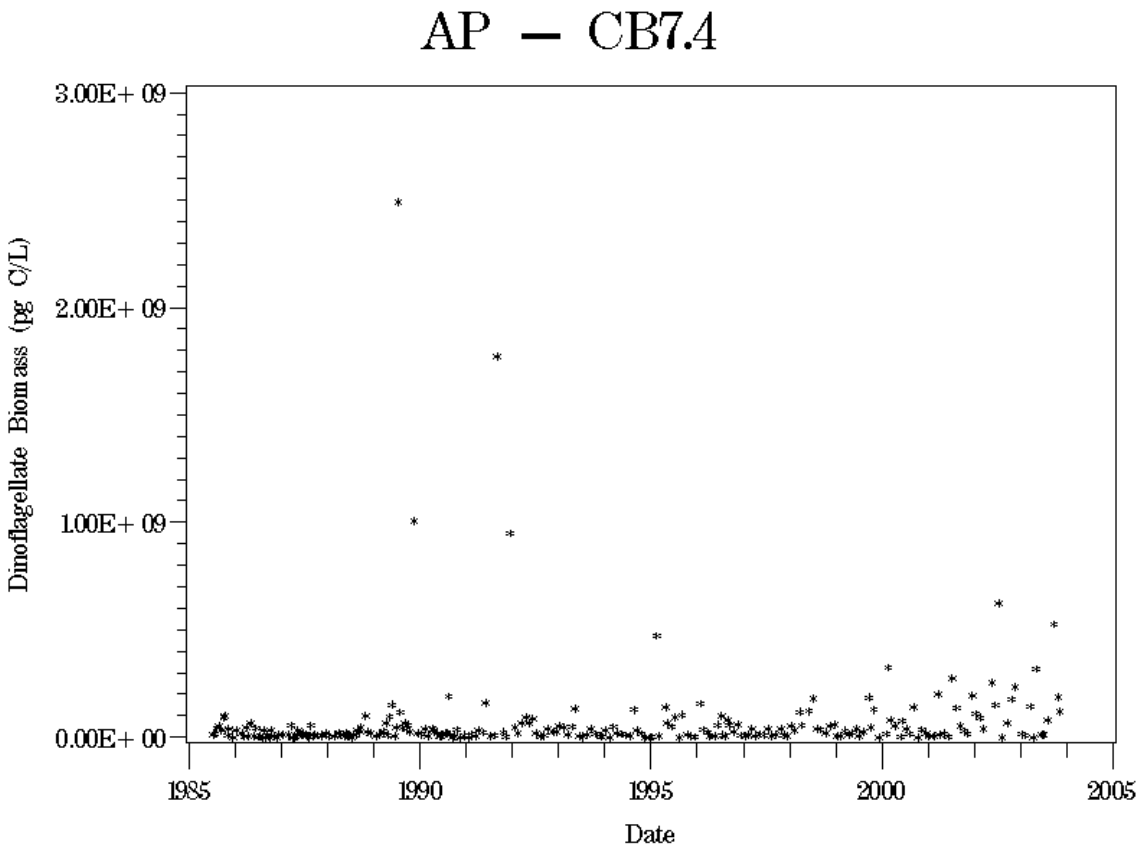

Figure F149. Plot of above pycnocline dinoflagellate biomass against time at station CB7.4 for the period of 1985 through 2003.

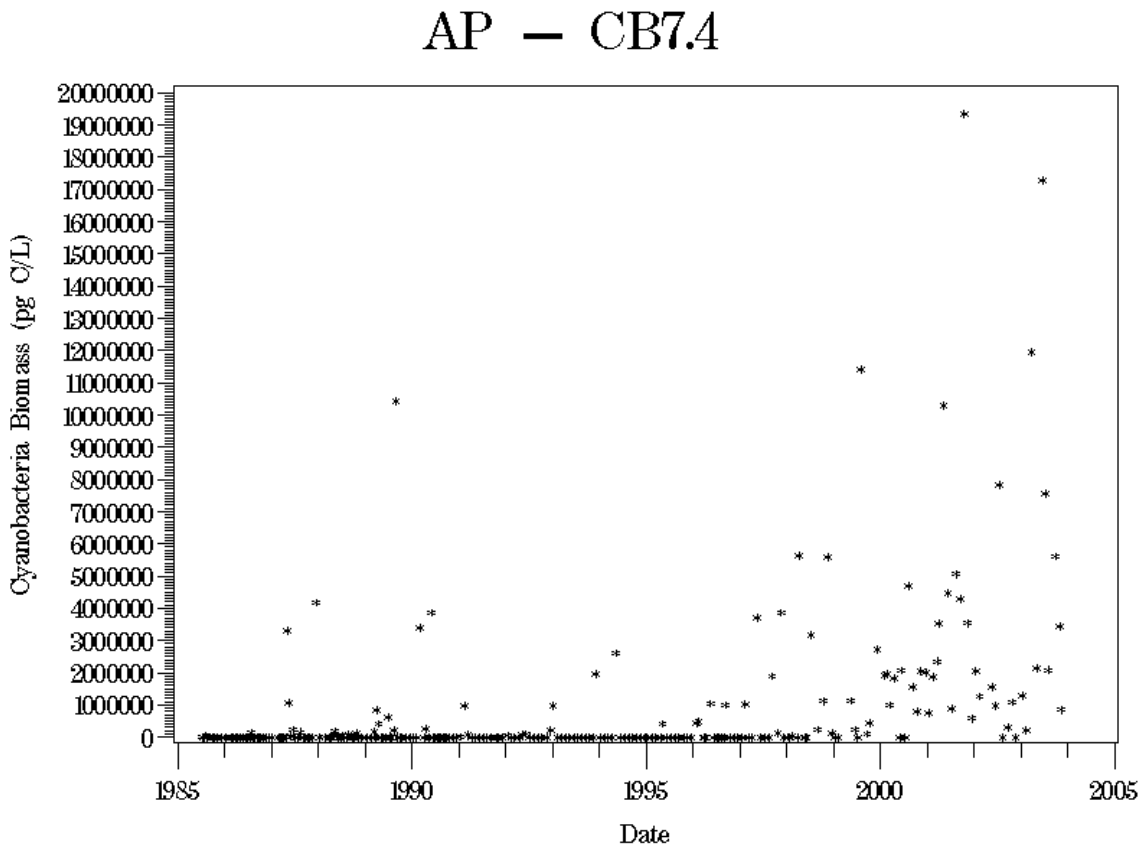

Figure F150. Plot of above pycnocline cyanobacteria biomass against time at station CB7.4 for the period of 1985 through 2003.

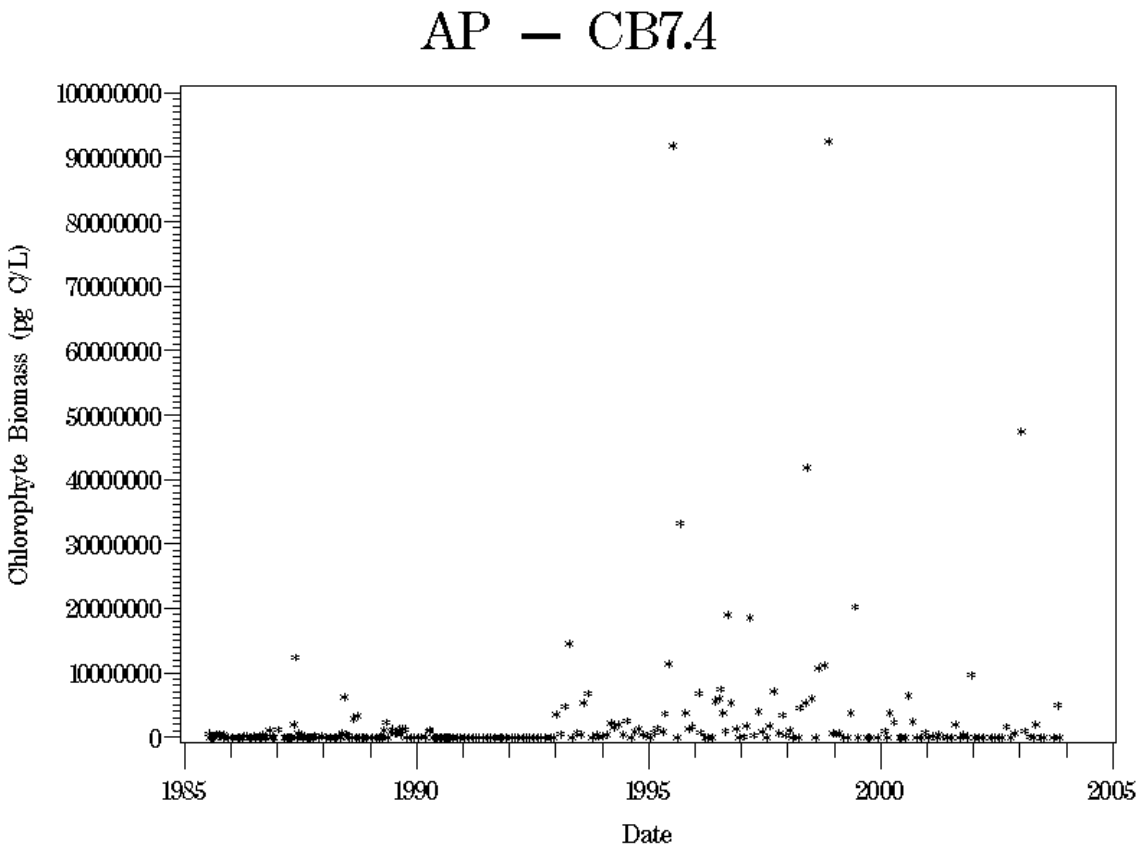

Figure F151. Plot of above pycnocline chlorophyte biomass against time at station CB7.4 for the period of 1985 through 2003.

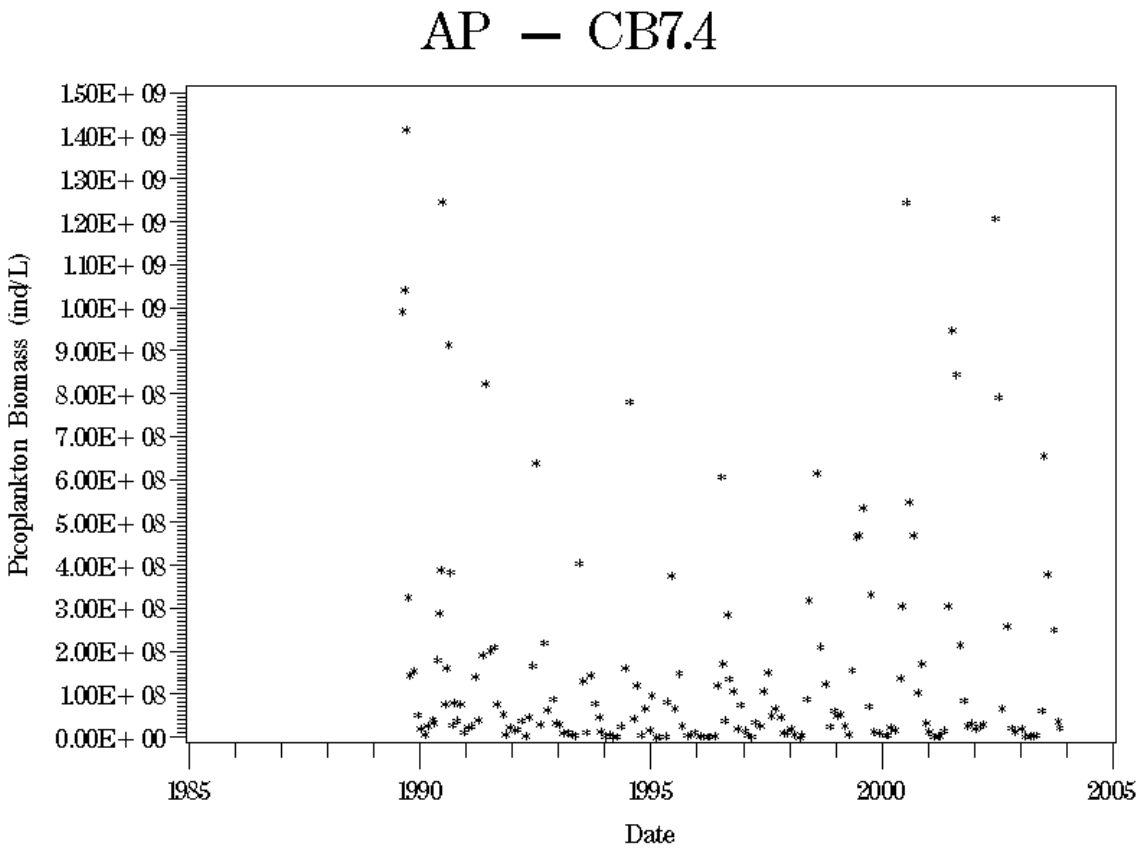

Figure F152. Plot of above pycnocline picoplankton biomass against time at station CB7.4 for the period of 1985 through 2003.

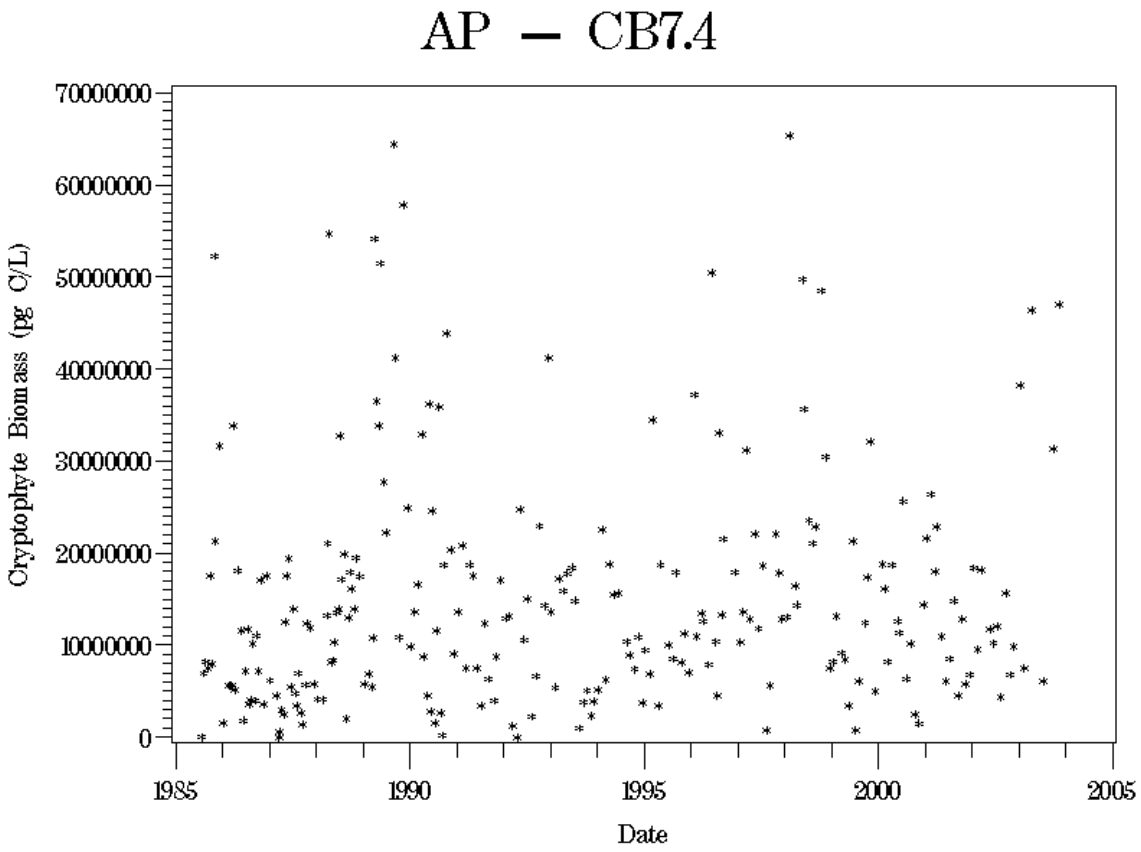

Figure F153. Plot of above pycnocline cryptophyte biomass at station CB7.4 for the period of 1985 through 2003.

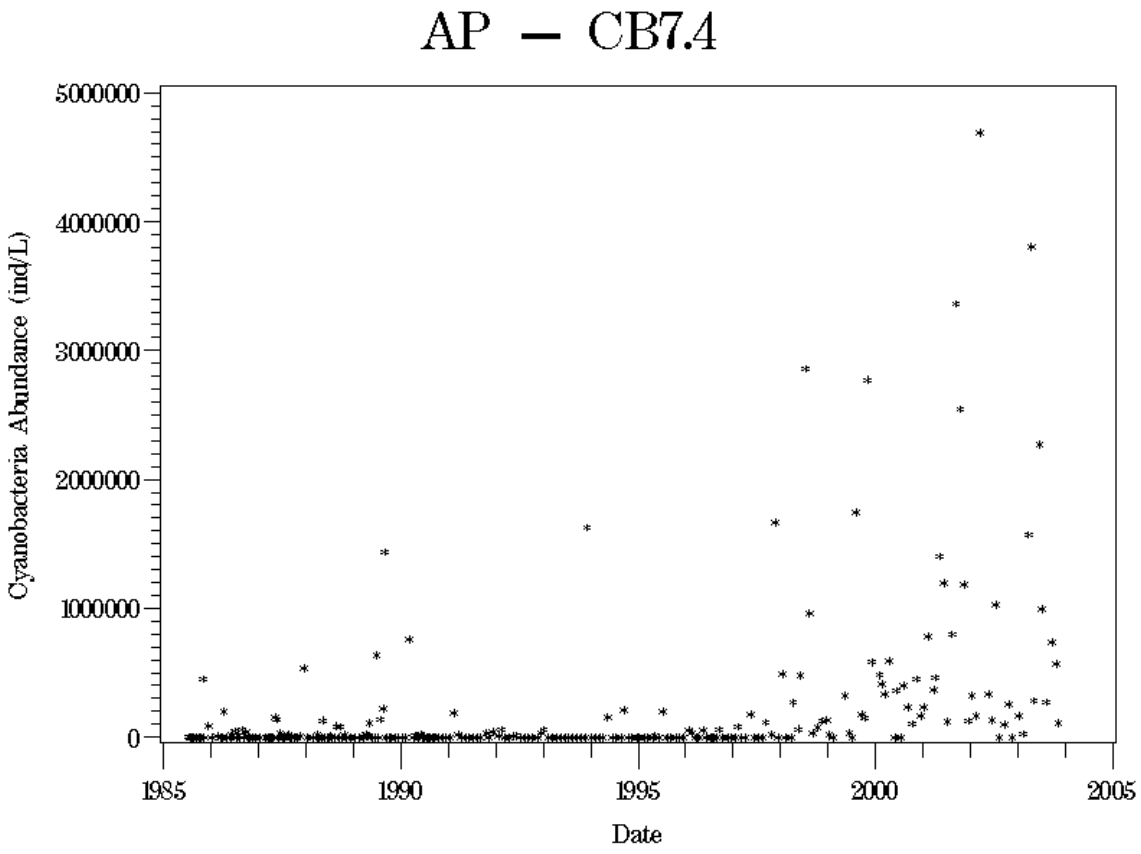

Figure F154. Plot of above pycnocline cyanophyte abundance at station CB7.4 for the period of 1985 through 2003.