

Appendix D. Status in phytoplankton bioindicators at all stations and for all seasons, for the period of 2002 through 2004. Layer abbreviations are: AP=Above Pycnocline, BP=Below Pycnocline. See the method section of the report for Season definitions.

Station	Season	Parameter	AP	AP	AP	BP	BP	BP
			Median	Score	Score	Median	Score	Status
TF5.5	Annual	Total Biomass	1.74E+09	58.90	Fair	2.46E+09	65.29	Good
TF5.5	Annual	Biomass to Abundance Ratio	48.15	25.75	Poor	56.31	30.48	Poor
TF5.5	Annual	Margalef Diversity Index	2.35	72.17	Good	2.08	52.61	Fair
TF5.5	Annual	Diatom Biomass	1.27E+09	64.16	Good	1.48E+09	66.82	Good
TF5.5	Annual	Dinoflagellate Biomass	2.61E+06	85.90	Poor	6.83E+05	84.59	Poor
TF5.5	Annual	Cyanobacteria Biomass	4.47E+07	65.39	Poor	7.02E+07	69.08	Poor
TF5.5	Annual	Chlorophyte Biomass	4.25E+08	79.37	Good	3.83E+08	78.37	Good
TF5.5	Annual	Cryptophyte Biomass	2.73E+07	91.30	Good	4.64E+07	92.28	Good
TF5.5	Annual	Cyanobacteria Abundance	9.21E+06	73.84	Poor	1.32E+07	75.90	Poor
RET5.2	Annual	Total Biomass	9.56E+08	51.68	Fair	1.06E+09	59.16	Good
RET5.2	Annual	Biomass to Abundance Ratio	52.38	39.56	Poor	50.02	38.67	Poor
RET5.2	Annual	Margalef Diversity Index	1.51	20.52	Poor	1.62	41.07	Poor
RET5.2	Annual	Diatom Biomass	4.85E+08	60.70	Good	7.80E+08	67.54	Good
RET5.2	Annual	Dinoflagellate Biomass	1.12E+06	64.37	Poor	1.46E+06	68.96	Poor
RET5.2	Annual	Cyanobacteria Biomass	1.89E+07	60.17	Poor	2.40E+07	65.99	Poor
RET5.2	Annual	Chlorophyte Biomass	1.35E+08	75.27	Good	1.50E+08	79.13	Good
RET5.2	Annual	Cryptophyte Biomass	3.50E+07	85.41	Good	2.58E+07	85.40	Good
RET5.2	Annual	Cyanobacteria Abundance	2.45E+06	59.33	Poor	2.70E+06	65.57	Poor
LE5.5	Annual	Total Biomass	4.80E+08	41.00	Poor	5.15E+08	55.35	Fair
LE5.5	Annual	Biomass to Abundance Ratio	64.88	21.51	Poor	68.93	24.73	Poor
LE5.5	Annual	Margalef Diversity Index	2.38	39.63	Poor	2.20	23.92	Poor
LE5.5	Annual	Diatom Biomass	3.04E+08	57.66	Good	3.96E+08	62.86	Good
LE5.5	Annual	Dinoflagellate Biomass	6.88E+07	56.79	Fair	8.22E+07	71.05	Poor
LE5.5	Annual	Cyanobacteria Biomass	1.30E+06	78.50	Poor	2.27E+06	84.99	Poor
LE5.5	Annual	Chlorophyte Biomass	7.79E+04	78.80	Good	3.95E+04	78.19	Good
LE5.5	Annual	Cryptophyte Biomass	2.52E+07	70.15	Good	2.93E+07	73.39	Good
LE5.5	Annual	Cyanobacteria Abundance	1.81E+05	80.84	Poor	2.51E+05	87.38	Poor
SBE5	Annual	Total Biomass	2.14E+08	13.41	Poor	2.30E+08	22.10	Poor
SBE5	Annual	Biomass to Abundance Ratio	41.01	15.68	Poor	41.31	13.75	Poor
SBE5	Annual	Margalef Diversity Index	1.92	67.42	Good	1.79	49.75	Fair
SBE5	Annual	Diatom Biomass	1.33E+08	47.21	Fair	1.38E+08	44.09	Fair
SBE5	Annual	Dinoflagellate Biomass	1.23E+07	49.82	Fair	9.93E+06	63.73	Poor
SBE5	Annual	Cyanobacteria Biomass	2.39E+06	52.89	Fair	1.53E+06	56.41	Poor
SBE5	Annual	Chlorophyte Biomass	1.18E+06	82.02	Good	9.59E+05	85.41	Good
SBE5	Annual	Cryptophyte Biomass	2.89E+07	98.80	Good	2.14E+07	98.83	Good
SBE5	Annual	Cyanobacteria Abundance	2.84E+05	53.17	Fair	2.20E+05	57.61	Poor
TF4.2	Annual	Total Biomass	3.50E+08	25.15	Poor	4.56E+08	34.80	Poor
TF4.2	Annual	Biomass to Abundance Ratio	44.09	23.69	Poor	58.40	31.46	Poor
TF4.2	Annual	Margalef Diversity Index	1.45	10.92	Poor	1.53	16.08	Poor
TF4.2	Annual	Diatom Biomass	1.63E+08	35.63	Poor	3.05E+08	38.30	Poor
TF4.2	Annual	Dinoflagellate Biomass	7.97E+04	72.69	Poor	7.45E+06	90.80	Poor
TF4.2	Annual	Cyanobacteria Biomass	3.95E+06	50.17	Fair	4.96E+06	53.45	Fair
TF4.2	Annual	Chlorophyte Biomass	4.67E+07	64.57	Good	3.86E+07	63.64	Good
TF4.2	Annual	Cryptophyte Biomass	1.81E+07	90.55	Good	2.69E+07	91.37	Good
TF4.2	Annual	Cyanobacteria Abundance	5.32E+05	45.49	Fair	5.68E+05	47.52	Fair
RET4.3	Annual	Total Biomass	5.25E+08	27.16	Poor	8.11E+08	46.32	Fair
RET4.3	Annual	Biomass to Abundance Ratio	37.45	14.09	Poor	36.06	11.67	Poor
RET4.3	Annual	Margalef Diversity Index	1.63	40.64	Poor	1.48	23.54	Poor
RET4.3	Annual	Diatom Biomass	4.09E+08	57.99	Good	5.58E+08	60.91	Good
RET4.3	Annual	Dinoflagellate Biomass	2.27E+07	56.38	Fair	9.77E+06	63.65	Poor
RET4.3	Annual	Cyanobacteria Biomass	1.03E+07	60.52	Poor	1.40E+07	67.12	Poor
RET4.3	Annual	Chlorophyte Biomass	1.61E+07	89.08	Good	2.88E+06	88.31	Good
RET4.3	Annual	Cryptophyte Biomass	2.52E+07	98.75	Good	4.09E+07	99.04	Good
RET4.3	Annual	Cyanobacteria Abundance	8.05E+05	62.03	Poor	1.46E+06	72.32	Poor

Appendix D. Continued.

Station	Season	Parameter	AP	AP	AP	BP	BP	BP
			Median	Score	Score	Median	Score	Status
WE4.2	Annual	Biomass to Abundance Ratio	54.78	17.15	Poor	88.24	33.76	Poor
WE4.2	Annual	Margalef Diversity Index	2.00	14.60	Poor	2.16	21.91	Poor
WE4.2	Annual	Diatom Biomass	3.41E+08	60.31	Good	4.19E+08	64.23	Good
WE4.2	Annual	Dinoflagellate Biomass	5.45E+07	52.71	Fair	3.10E+07	60.20	Poor
WE4.2	Annual	Cyanobacteria Biomass	1.74E+06	79.75	Poor	2.16E+06	84.83	Poor
WE4.2	Annual	Chlorophyte Biomass	5.79E+04	74.79	Good	8.38E+05	89.40	Good
WE4.2	Annual	Cryptophyte Biomass	2.18E+07	69.45	Good	2.25E+07	72.55	Good
WE4.2	Annual	Cyanobacteria Abundance	2.70E+05	82.43	Poor	2.84E+05	87.88	Poor
TF3.3	Annual	Total Biomass	1.66E+09	64.48	Good	1.56E+09	68.17	Good
TF3.3	Annual	Biomass to Abundance Ratio	42.60	33.06	Poor	55.96	42.27	Fair
TF3.3	Annual	Margalef Diversity Index	1.94	53.95	Fair	1.81	58.37	Good
TF3.3	Annual	Diatom Biomass	9.21E+08	68.56	Good	9.05E+08	69.40	Good
TF3.3	Annual	Dinoflagellate Biomass	3.72E+07	80.66	Poor	3.50E+06	73.38	Poor
TF3.3	Annual	Cyanobacteria Biomass	6.77E+07	68.52	Poor	5.45E+07	70.82	Poor
TF3.3	Annual	Chlorophyte Biomass	2.14E+08	77.71	Good	1.55E+08	79.23	Good
TF3.3	Annual	Cryptophyte Biomass	3.34E+07	85.24	Good	2.80E+07	85.72	Good
TF3.3	Annual	Cyanobacteria Abundance	1.17E+07	75.24	Poor	8.15E+06	75.55	Poor
RET3.1	Annual	Total Biomass	1.11E+09	43.78	Fair	1.71E+09	62.43	Good
RET3.1	Annual	Biomass to Abundance Ratio	41.88	16.07	Poor	36.35	11.79	Poor
RET3.1	Annual	Margalef Diversity Index	1.71	47.96	Fair	1.56	29.49	Poor
RET3.1	Annual	Diatom Biomass	6.96E+08	62.92	Good	1.10E+09	68.30	Good
RET3.1	Annual	Dinoflagellate Biomass	1.20E+07	48.06	Fair	9.68E+06	63.63	Poor
RET3.1	Annual	Cyanobacteria Biomass	3.29E+07	66.24	Poor	4.33E+07	72.07	Poor
RET3.1	Annual	Chlorophyte Biomass	4.89E+07	91.28	Good	3.66E+07	93.08	Good
RET3.1	Annual	Cryptophyte Biomass	4.71E+07	98.96	Good	7.80E+07	99.21	Good
RET3.1	Annual	Cyanobacteria Abundance	6.68E+06	77.31	Poor	8.70E+06	82.93	Poor
LE3.6	Annual	Total Biomass	6.08E+08	30.11	Poor	6.95E+08	41.83	Poor
LE3.6	Annual	Biomass to Abundance Ratio	62.24	24.96	Poor	71.19	22.03	Poor
LE3.6	Annual	Margalef Diversity Index	2.05	77.21	Good	1.98	58.88	Good
LE3.6	Annual	Diatom Biomass	4.00E+08	58.03	Good	4.79E+08	58.97	Good
LE3.6	Annual	Dinoflagellate Biomass	8.82E+07	70.34	Poor	5.30E+07	75.74	Poor
LE3.6	Annual	Cyanobacteria Biomass	3.08E+06	53.59	Fair	2.79E+06	58.40	Poor
LE3.6	Annual	Chlorophyte Biomass	1.06E+06	80.03	Good	7.10E+05	84.36	Good
LE3.6	Annual	Cryptophyte Biomass	3.70E+07	98.89	Good	2.12E+07	98.83	Good
LE3.6	Annual	Cyanobacteria Abundance	5.40E+05	56.76	Fair	3.99E+05	62.52	Poor
CB6.1	Annual	Total Biomass	4.40E+08	24.46	Poor	3.75E+08	30.38	Poor
CB6.1	Annual	Biomass to Abundance Ratio	68.39	28.16	Poor	65.22	24.21	Poor
CB6.1	Annual	Margalef Diversity Index	2.04	78.97	Good	1.87	55.95	Fair
CB6.1	Annual	Diatom Biomass	3.32E+08	56.01	Fair	3.47E+08	53.01	Fair
CB6.1	Annual	Dinoflagellate Biomass	5.31E+07	66.33	Poor	3.42E+07	73.10	Poor
CB6.1	Annual	Cyanobacteria Biomass	1.73E+06	51.22	Fair	3.02E+06	59.07	Poor
CB6.1	Annual	Chlorophyte Biomass	1.62E+05	72.84	Good	3.32E+05	82.78	Good
CB6.1	Annual	Cryptophyte Biomass	2.22E+07	98.69	Good	1.84E+07	98.78	Good
CB6.1	Annual	Cyanobacteria Abundance	2.56E+05	52.26	Fair	3.84E+05	61.26	Poor
CB6.4	Annual	Total Biomass	6.40E+08	49.52	Fair	3.38E+08	42.74	Fair
CB6.4	Annual	Biomass to Abundance Ratio	74.12	29.88	Poor	64.78	21.89	Poor
CB6.4	Annual	Margalef Diversity Index	2.07	19.50	Poor	1.88	11.11	Poor
CB6.4	Annual	Diatom Biomass	2.91E+08	54.39	Fair	2.47E+08	51.48	Fair
CB6.4	Annual	Dinoflagellate Biomass	1.09E+08	66.09	Poor	2.00E+07	53.77	Fair
CB6.4	Annual	Cyanobacteria Biomass	1.54E+06	79.84	Poor	1.51E+06	83.43	Poor
CB6.4	Annual	Chlorophyte Biomass	5.85E+03	66.36	Good	4.24E+04	76.31	Good
CB6.4	Annual	Cryptophyte Biomass	3.41E+07	71.66	Good	1.91E+07	70.95	Good
CB6.4	Annual	Cyanobacteria Abundance	2.70E+05	83.29	Poor	2.53E+05	87.23	Poor

Appendix D. Continued.

Station	Season	Parameter	AP	AP	AP	BP	BP	BP
			Median	Score	Score	Median	Score	Status
CB7.3E	Annual	Biomass to Abundance Ratio	71.07	24.99	Poor	87.96	35.05	Poor
CB7.3E	Annual	Margalef Diversity Index	2.30	33.31	Poor	2.27	28.96	Poor
CB7.3E	Annual	Diatom Biomass	3.28E+08	59.36	Good	5.38E+08	70.27	Good
CB7.3E	Annual	Dinoflagellate Biomass	5.87E+07	53.60	Fair	3.66E+07	61.58	Poor
CB7.3E	Annual	Cyanobacteria Biomass	1.35E+06	78.57	Poor	1.65E+06	83.84	Poor
CB7.3E	Annual	Chlorophyte Biomass	3.18E+04	75.80	Good	8.73E+04	81.59	Good
CB7.3E	Annual	Cryptophyte Biomass	2.39E+07	69.81	Good	1.90E+07	71.16	Good
CB7.3E	Annual	Cyanobacteria Abundance	2.27E+05	81.99	Poor	2.02E+05	86.55	Poor
CB7.4	Annual	Total Biomass	6.41E+08	51.72	Fair	6.91E+08	65.14	Good
CB7.4	Annual	Biomass to Abundance Ratio	79.96	30.02	Poor	102.79	42.60	Fair
CB7.4	Annual	Margalef Diversity Index	2.23	28.07	Poor	2.26	27.57	Poor
CB7.4	Annual	Diatom Biomass	3.67E+08	61.87	Good	4.99E+08	68.61	Good
CB7.4	Annual	Dinoflagellate Biomass	9.13E+07	62.47	Poor	3.76E+07	61.93	Poor
CB7.4	Annual	Cyanobacteria Biomass	1.73E+06	79.74	Poor	1.18E+06	82.57	Poor
CB7.4	Annual	Chlorophyte Biomass	5.85E+03	66.36	Good	4.38E+04	78.69	Good
CB7.4	Annual	Cryptophyte Biomass	1.94E+07	68.81	Good	1.40E+07	69.62	Good
CB7.4	Annual	Cyanobacteria Abundance	2.75E+05	82.92	Poor	2.27E+05	87.02	Poor
TF5.5	Fall	Total Biomass	1.56E+09	74.48	Good	1.48E+09	67.32	Good
TF5.5	Fall	Biomass to Abundance Ratio	50.62	34.09	Poor	41.24	28.36	Poor
TF5.5	Fall	Margalef Diversity Index	2.35	84.59	Good	1.78	43.28	Fair
TF5.5	Fall	Diatom Biomass	1.40E+09	72.55	Good	1.27E+09	71.47	Good
TF5.5	Fall	Dinoflagellate Biomass	2.25E+04	86.10	Poor	8.99E+04	87.38	Poor
TF5.5	Fall	Cyanobacteria Biomass	2.18E+07	69.14	Poor	2.13E+07	73.72	Poor
TF5.5	Fall	Chlorophyte Biomass	1.73E+08	78.06	Good	5.90E+06	59.95	Fair
TF5.5	Fall	Cryptophyte Biomass	5.09E+07	92.57	Good	1.53E+08	93.98	Good
TF5.5	Fall	Cyanobacteria Abundance	1.86E+06	66.41	Poor	1.34E+06	62.62	Poor
RET5.2	Fall	Total Biomass	3.27E+08	41.20	Fair	3.46E+08	44.18	Fair
RET5.2	Fall	Biomass to Abundance Ratio	66.26	59.41	Fair	39.32	38.18	Poor
RET5.2	Fall	Margalef Diversity Index	1.57	27.82	Poor	1.40	24.82	Poor
RET5.2	Fall	Diatom Biomass	2.41E+08	59.42	Fair	1.67E+08	58.36	Fair
RET5.2	Fall	Dinoflagellate Biomass	1.04E+06	70.18	Poor	7.60E+06	75.70	Poor
RET5.2	Fall	Cyanobacteria Biomass	4.56E+06	65.86	Poor	8.21E+06	69.24	Poor
RET5.2	Fall	Chlorophyte Biomass	5.44E+07	70.96	Good	0.00E+00	2.79	Poor
RET5.2	Fall	Cryptophyte Biomass	1.65E+07	79.76	Good	4.78E+07	82.46	Good
RET5.2	Fall	Cyanobacteria Abundance	7.58E+05	55.76	Fair	1.19E+06	61.65	Poor
LE5.5	Fall	Total Biomass	3.03E+08	50.53	Fair	3.05E+08	64.69	Good
LE5.5	Fall	Biomass to Abundance Ratio	62.40	33.71	Poor	53.52	26.93	Poor
LE5.5	Fall	Margalef Diversity Index	2.26	27.49	Poor	1.88	9.31	Poor
LE5.5	Fall	Diatom Biomass	2.39E+08	69.06	Good	1.92E+08	65.89	Good
LE5.5	Fall	Dinoflagellate Biomass	1.85E+07	38.90	Good	9.08E+06	54.87	Fair
LE5.5	Fall	Cyanobacteria Biomass	4.99E+05	87.27	Poor	2.12E+06	90.04	Poor
LE5.5	Fall	Chlorophyte Biomass	1.10E+03	71.51	Good	2.92E+03	54.58	Fair
LE5.5	Fall	Cryptophyte Biomass	2.19E+07	69.02	Good	2.93E+07	73.07	Good
LE5.5	Fall	Cyanobacteria Abundance	6.56E+04	85.22	Poor	2.79E+05	90.90	Poor
SBE5	Fall	Total Biomass	1.62E+08	22.03	Poor	1.37E+08	33.37	Poor
SBE5	Fall	Biomass to Abundance Ratio	46.90	27.87	Poor	39.71	23.78	Poor
SBE5	Fall	Margalef Diversity Index	2.02	87.81	Good	1.74	51.50	Fair
SBE5	Fall	Diatom Biomass	1.15E+08	57.60	Good	7.08E+07	49.31	Fair
SBE5	Fall	Dinoflagellate Biomass	7.46E+06	57.33	Fair	3.74E+06	67.96	Poor
SBE5	Fall	Cyanobacteria Biomass	9.97E+05	63.12	Poor	1.16E+06	66.76	Poor
SBE5	Fall	Chlorophyte Biomass	2.84E+05	83.02	Good	1.30E+05	85.68	Good
SBE5	Fall	Cryptophyte Biomass	2.26E+07	98.95	Good	1.77E+07	99.02	Good
SBE5	Fall	Cyanobacteria Abundance	1.31E+05	61.69	Poor	1.85E+05	67.65	Poor

Appendix D. Continued.

Station	Season	Parameter	AP	AP	AP	BP	BP	BP
			Median	Score	Score	Median	Score	Status
TF4.2	Fall	Biomass to Abundance Ratio	34.27	23.74	Poor	59.26	38.96	Fair
TF4.2	Fall	Margalef Diversity Index	1.84	50.83	Fair	1.60	29.37	Poor
TF4.2	Fall	Diatom Biomass	1.43E+08	53.70	Fair	1.55E+08	40.86	Fair
TF4.2	Fall	Dinoflagellate Biomass	1.93E+05	91.99	Poor	7.45E+06	95.84	Poor
TF4.2	Fall	Cyanobacteria Biomass	3.54E+06	58.61	Fair	4.33E+06	66.09	Poor
TF4.2	Fall	Chlorophyte Biomass	2.85E+06	51.90	Fair	2.83E+06	55.14	Fair
TF4.2	Fall	Cryptophyte Biomass	2.58E+07	91.46	Good	2.16E+07	90.95	Good
TF4.2	Fall	Cyanobacteria Abundance	3.20E+05	48.39	Fair	4.97E+05	53.22	Fair
RET4.3	Fall	Total Biomass	3.06E+08	34.02	Poor	3.59E+08	49.82	Fair
RET4.3	Fall	Biomass to Abundance Ratio	39.73	23.94	Poor	35.87	21.67	Poor
RET4.3	Fall	Margalef Diversity Index	1.50	41.00	Fair	1.27	10.65	Poor
RET4.3	Fall	Diatom Biomass	2.80E+08	64.05	Good	2.59E+08	61.22	Fair
RET4.3	Fall	Dinoflagellate Biomass	1.37E+07	62.34	Poor	1.18E+07	74.36	Poor
RET4.3	Fall	Cyanobacteria Biomass	1.18E+07	73.58	Poor	3.09E+07	79.42	Poor
RET4.3	Fall	Chlorophyte Biomass	1.95E+06	88.43	Good	1.31E+06	91.41	Good
RET4.3	Fall	Cryptophyte Biomass	1.50E+07	98.81	Good	3.55E+07	99.21	Good
RET4.3	Fall	Cyanobacteria Abundance	8.24E+05	73.73	Poor	2.96E+06	83.18	Poor
WE4.2	Fall	Total Biomass	3.55E+08	55.03	Fair	3.29E+08	67.68	Good
WE4.2	Fall	Biomass to Abundance Ratio	50.90	25.27	Poor	80.34	47.68	Fair
WE4.2	Fall	Margalef Diversity Index	2.00	13.71	Poor	2.24	24.16	Poor
WE4.2	Fall	Diatom Biomass	2.92E+08	71.68	Good	3.12E+08	75.63	Good
WE4.2	Fall	Dinoflagellate Biomass	4.24E+07	53.92	Fair	1.07E+07	56.65	Fair
WE4.2	Fall	Cyanobacteria Biomass	1.48E+06	90.39	Poor	3.60E+05	84.76	Poor
WE4.2	Fall	Chlorophyte Biomass	2.77E+06	60.32	Good	4.39E+03	83.10	Good
WE4.2	Fall	Cryptophyte Biomass	2.46E+07	69.64	Good	1.13E+07	68.11	Good
WE4.2	Fall	Cyanobacteria Abundance	1.95E+05	89.34	Poor	4.74E+04	84.65	Poor
TF3.3	Fall	Total Biomass	8.20E+08	62.87	Good	1.38E+09	74.95	Good
TF3.3	Fall	Biomass to Abundance Ratio	29.36	29.04	Poor	57.39	52.28	Fair
TF3.3	Fall	Margalef Diversity Index	1.80	46.16	Fair	1.71	53.51	Fair
TF3.3	Fall	Diatom Biomass	3.94E+08	65.30	Good	1.21E+09	76.65	Good
TF3.3	Fall	Dinoflagellate Biomass	7.93E+05	68.88	Poor	7.50E+06	75.64	Poor
TF3.3	Fall	Cyanobacteria Biomass	1.52E+07	72.44	Poor	2.65E+07	75.29	Poor
TF3.3	Fall	Chlorophyte Biomass	1.88E+08	78.23	Good	1.35E+06	52.46	Fair
TF3.3	Fall	Cryptophyte Biomass	7.10E+07	84.22	Good	6.41E+07	83.35	Good
TF3.3	Fall	Cyanobacteria Abundance	4.78E+06	72.67	Poor	4.21E+06	72.07	Poor
RET3.1	Fall	Total Biomass	7.40E+08	54.31	Fair	9.20E+08	65.93	Good
RET3.1	Fall	Biomass to Abundance Ratio	46.68	27.75	Poor	31.68	19.29	Poor
RET3.1	Fall	Margalef Diversity Index	1.74	68.57	Good	1.81	58.85	Fair
RET3.1	Fall	Diatom Biomass	6.72E+08	69.94	Good	6.82E+08	69.36	Good
RET3.1	Fall	Dinoflagellate Biomass	6.00E+06	55.50	Fair	8.73E+06	72.75	Poor
RET3.1	Fall	Cyanobacteria Biomass	1.34E+07	74.06	Poor	7.61E+07	82.20	Poor
RET3.1	Fall	Chlorophyte Biomass	9.04E+06	91.60	Good	1.51E+07	95.15	Good
RET3.1	Fall	Cryptophyte Biomass	4.37E+07	99.14	Good	7.37E+07	99.38	Good
RET3.1	Fall	Cyanobacteria Abundance	1.55E+06	77.25	Poor	9.12E+06	87.52	Poor
LE3.6	Fall	Total Biomass	7.38E+08	50.27	Fair	6.60E+08	56.90	Fair
LE3.6	Fall	Biomass to Abundance Ratio	57.40	33.17	Poor	81.57	37.69	Poor
LE3.6	Fall	Margalef Diversity Index	2.06	91.04	Good	2.07	79.77	Good
LE3.6	Fall	Diatom Biomass	5.77E+08	67.66	Good	5.19E+08	65.64	Good
LE3.6	Fall	Dinoflagellate Biomass	9.35E+07	75.98	Poor	4.42E+07	78.78	Poor
LE3.6	Fall	Cyanobacteria Biomass	2.25E+06	66.43	Poor	2.05E+06	68.87	Poor
LE3.6	Fall	Chlorophyte Biomass	1.20E+05	50.52	Fair	7.10E+05	88.91	Good
LE3.6	Fall	Cryptophyte Biomass	3.29E+07	99.09	Good	1.98E+07	99.12	Good
LE3.6	Fall	Cyanobacteria Abundance	6.11E+05	70.71	Poor	2.70E+05	69.61	Poor

Appendix D. Continued.

Station	Season	Parameter	AP	AP	AP	BP	BP	BP
			Median	Score	Score	Median	Score	Status
CB6.1	Fall	Biomass to Abundance Ratio	68.39	38.15	Poor	60.77	37.50	Poor
CB6.1	Fall	Margalef Diversity Index	1.99	87.16	Good	1.84	56.22	Fair
CB6.1	Fall	Diatom Biomass	3.32E+08	65.40	Good	2.37E+08	61.05	Good
CB6.1	Fall	Dinoflagellate Biomass	4.88E+07	72.16	Poor	1.85E+07	74.50	Poor
CB6.1	Fall	Cyanobacteria Biomass	1.73E+06	63.73	Poor	1.62E+06	67.55	Poor
CB6.1	Fall	Chlorophyte Biomass	1.17E+04	66.77	Good	4.13E+05	89.07	Good
CB6.1	Fall	Cryptophyte Biomass	2.87E+07	99.03	Good	1.84E+07	99.06	Good
CB6.1	Fall	Cyanobacteria Abundance	2.27E+05	62.61	Poor	2.13E+05	67.56	Poor
CB6.4	Fall	Total Biomass	4.50E+08	63.94	Good	2.52E+08	57.96	Fair
CB6.4	Fall	Biomass to Abundance Ratio	63.78	34.59	Poor	45.87	20.66	Poor
CB6.4	Fall	Margalef Diversity Index	2.05	15.89	Poor	1.61	3.68	Poor
CB6.4	Fall	Diatom Biomass	2.65E+08	70.58	Good	2.13E+08	68.08	Good
CB6.4	Fall	Dinoflagellate Biomass	7.40E+07	63.72	Poor	4.77E+06	47.08	Fair
CB6.4	Fall	Cyanobacteria Biomass	6.48E+05	88.26	Poor	3.78E+05	84.89	Poor
CB6.4	Fall	Chlorophyte Biomass	0	23.50	Poor	0	24.79	Poor
CB6.4	Fall	Cryptophyte Biomass	2.42E+07	69.58	Good	1.48E+07	69.59	Good
CB6.4	Fall	Cyanobacteria Abundance	8.52E+04	86.55	Poor	7.81E+04	86.14	Poor
CB7.3E	Fall	Total Biomass	6.04E+08	74.62	Good	3.99E+08	70.37	Good
CB7.3E	Fall	Biomass to Abundance Ratio	77.84	43.88	Fair	72.27	39.35	Poor
CB7.3E	Fall	Margalef Diversity Index	2.21	24.05	Poor	2.20	23.23	Poor
CB7.3E	Fall	Diatom Biomass	3.43E+08	73.56	Good	3.14E+08	73.88	Good
CB7.3E	Fall	Dinoflagellate Biomass	5.17E+07	57.51	Fair	2.28E+07	64.06	Poor
CB7.3E	Fall	Cyanobacteria Biomass	7.33E+05	88.60	Poor	1.14E+06	88.40	Poor
CB7.3E	Fall	Chlorophyte Biomass	1.79E+05	88.37	Good	0.00E+00	24.79	Poor
CB7.3E	Fall	Cryptophyte Biomass	3.04E+07	70.72	Good	1.91E+07	70.84	Good
CB7.3E	Fall	Cyanobacteria Abundance	1.07E+05	87.35	Poor	2.49E+05	90.20	Poor
CB7.4	Fall	Total Biomass	3.42E+08	55.53	Fair	7.87E+08	89.23	Good
CB7.4	Fall	Biomass to Abundance Ratio	53.75	27.39	Poor	102.79	61.33	Good
CB7.4	Fall	Margalef Diversity Index	2.72	57.25	Fair	2.28	26.39	Poor
CB7.4	Fall	Diatom Biomass	2.77E+08	71.35	Good	6.32E+08	86.10	Good
CB7.4	Fall	Dinoflagellate Biomass	1.19E+08	71.20	Poor	4.65E+06	48.08	Fair
CB7.4	Fall	Cyanobacteria Biomass	1.19E+06	89.86	Poor	8.19E+05	87.45	Poor
CB7.4	Fall	Chlorophyte Biomass	1.57E+05	92.02	Good	0.00E+00	24.79	Poor
CB7.4	Fall	Cryptophyte Biomass	4.71E+07	72.91	Good	3.77E+07	74.31	Good
CB7.4	Fall	Cyanobacteria Abundance	1.99E+05	89.40	Poor	1.05E+05	87.82	Poor
TF5.5	SAV1	Total Biomass	2.73E+09	66.39	Good	1.75E+09	58.15	Good
TF5.5	SAV1	Biomass to Abundance Ratio	61.56	29.87	Poor	56.85	28.54	Poor
TF5.5	SAV1	Margalef Diversity Index	2.01	56.38	Fair	2.07	59.44	Good
TF5.5	SAV1	Diatom Biomass	1.46E+09	64.60	Good	1.32E+09	62.40	Good
TF5.5	SAV1	Dinoflagellate Biomass	2.12E+06	89.54	Poor	4.36E+05	84.83	Poor
TF5.5	SAV1	Cyanobacteria Biomass	2.68E+07	63.72	Poor	6.28E+07	70.90	Poor
TF5.5	SAV1	Chlorophyte Biomass	4.14E+08	78.94	Good	3.25E+08	76.98	Good
TF5.5	SAV1	Cryptophyte Biomass	2.83E+07	92.52	Good	5.46E+07	93.37	Good
TF5.5	SAV1	Cyanobacteria Abundance	5.24E+06	71.66	Poor	5.19E+06	71.75	Poor
RET5.2	SAV1	Total Biomass	7.14E+08	42.13	Fair	9.41E+08	52.49	Fair
RET5.2	SAV1	Biomass to Abundance Ratio	53.31	37.50	Poor	55.92	38.94	Poor
RET5.2	SAV1	Margalef Diversity Index	1.51	23.53	Poor	1.50	35.69	Poor
RET5.2	SAV1	Diatom Biomass	4.28E+08	57.59	Good	7.20E+08	64.06	Good
RET5.2	SAV1	Dinoflagellate Biomass	1.04E+06	66.48	Poor	1.14E+06	67.61	Poor
RET5.2	SAV1	Cyanobacteria Biomass	1.35E+07	59.16	Poor	7.23E+06	60.22	Poor
RET5.2	SAV1	Chlorophyte Biomass	1.34E+08	74.07	Good	1.45E+08	77.93	Good
RET5.2	SAV1	Cryptophyte Biomass	3.24E+07	85.66	Good	1.89E+07	84.51	Good
RET5.2	SAV1	Cyanobacteria Abundance	1.01E+06	48.15	Fair	1.29E+06	58.90	Poor

Appendix D. Continued.

Station	Season	Parameter	AP	AP	AP	BP	BP	BP
			Median	Score	Score	Median	Score	Status
LE5.5	SAV1	Biomass to Abundance Ratio	64.68	19.19	Poor	59.45	17.38	Poor
LE5.5	SAV1	Margalef Diversity Index	2.38	38.90	Poor	1.88	8.80	Poor
LE5.5	SAV1	Diatom Biomass	2.79E+08	53.61	Fair	3.41E+08	55.01	Fair
LE5.5	SAV1	Dinoflagellate Biomass	3.29E+07	45.90	Fair	5.45E+07	65.57	Poor
LE5.5	SAV1	Cyanobacteria Biomass	1.31E+06	78.88	Poor	2.56E+06	84.49	Poor
LE5.5	SAV1	Chlorophyte Biomass	1.79E+04	65.99	Good	7.20E+04	77.96	Good
LE5.5	SAV1	Cryptophyte Biomass	3.22E+07	72.34	Good	2.82E+07	74.07	Good
LE5.5	SAV1	Cyanobacteria Abundance	1.96E+05	80.87	Poor	2.93E+05	86.65	Poor
SBE5	SAV1	Total Biomass	1.87E+08	14.07	Poor	1.61E+08	20.33	Poor
SBE5	SAV1	Biomass to Abundance Ratio	41.01	17.05	Poor	34.72	12.46	Poor
SBE5	SAV1	Margalef Diversity Index	1.89	80.21	Good	1.61	36.52	Poor
SBE5	SAV1	Diatom Biomass	1.03E+08	43.04	Poor	1.03E+08	37.76	Poor
SBE5	SAV1	Dinoflagellate Biomass	8.32E+06	52.46	Fair	4.69E+06	60.56	Poor
SBE5	SAV1	Cyanobacteria Biomass	1.71E+06	53.88	Fair	1.41E+06	61.26	Poor
SBE5	SAV1	Chlorophyte Biomass	9.34E+05	80.20	Good	1.16E+06	84.59	Good
SBE5	SAV1	Cryptophyte Biomass	3.21E+07	98.99	Good	2.80E+07	99.14	Good
SBE5	SAV1	Cyanobacteria Abundance	2.25E+05	54.15	Fair	2.13E+05	60.20	Poor
TF4.2	SAV1	Total Biomass	3.38E+08	22.22	Poor	4.56E+08	34.88	Poor
TF4.2	SAV1	Biomass to Abundance Ratio	49.09	24.41	Poor	63.52	31.41	Poor
TF4.2	SAV1	Margalef Diversity Index	1.46	13.01	Poor	1.53	19.56	Poor
TF4.2	SAV1	Diatom Biomass	1.70E+08	29.80	Poor	3.14E+08	37.87	Poor
TF4.2	SAV1	Dinoflagellate Biomass	4.50E+04	76.90	Poor	9.08E+06	92.19	Poor
TF4.2	SAV1	Cyanobacteria Biomass	3.88E+06	51.71	Fair	4.32E+06	55.91	Fair
TF4.2	SAV1	Chlorophyte Biomass	6.59E+07	66.94	Good	3.03E+07	61.18	Good
TF4.2	SAV1	Cryptophyte Biomass	1.88E+07	91.86	Good	2.69E+07	92.32	Good
TF4.2	SAV1	Cyanobacteria Abundance	4.56E+05	44.70	Fair	4.97E+05	49.66	Fair
RET4.3	SAV1	Total Biomass	4.81E+08	28.37	Poor	7.94E+08	48.48	Fair
RET4.3	SAV1	Biomass to Abundance Ratio	41.34	17.20	Poor	36.25	13.09	Poor
RET4.3	SAV1	Margalef Diversity Index	1.66	61.12	Good	1.52	28.38	Poor
RET4.3	SAV1	Diatom Biomass	3.99E+08	56.67	Fair	6.25E+08	60.48	Good
RET4.3	SAV1	Dinoflagellate Biomass	1.37E+07	57.21	Fair	1.18E+07	67.44	Poor
RET4.3	SAV1	Cyanobacteria Biomass	8.63E+06	62.20	Poor	1.54E+07	72.00	Poor
RET4.3	SAV1	Chlorophyte Biomass	1.36E+07	88.27	Good	1.31E+06	84.98	Good
RET4.3	SAV1	Cryptophyte Biomass	2.58E+07	98.92	Good	3.96E+07	99.23	Good
RET4.3	SAV1	Cyanobacteria Abundance	7.39E+05	64.08	Poor	2.65E+06	78.36	Poor
WE4.2	SAV1	Total Biomass	5.13E+08	37.40	Poor	4.73E+08	48.70	Fair
WE4.2	SAV1	Biomass to Abundance Ratio	51.96	13.57	Poor	88.24	29.77	Poor
WE4.2	SAV1	Margalef Diversity Index	1.94	13.10	Poor	2.04	19.05	Poor
WE4.2	SAV1	Diatom Biomass	2.89E+08	55.17	Fair	3.34E+08	55.44	Fair
WE4.2	SAV1	Dinoflagellate Biomass	4.73E+07	53.43	Fair	2.06E+07	56.11	Fair
WE4.2	SAV1	Cyanobacteria Biomass	1.69E+06	79.80	Poor	1.89E+06	83.88	Poor
WE4.2	SAV1	Chlorophyte Biomass	4.87E+05	80.47	Good	4.49E+05	87.59	Good
WE4.2	SAV1	Cryptophyte Biomass	2.22E+07	70.87	Good	1.60E+07	71.47	Good
WE4.2	SAV1	Cyanobacteria Abundance	2.27E+05	81.41	Poor	2.47E+05	86.53	Poor
TF3.3	SAV1	Total Biomass	1.21E+09	54.68	Fair	1.64E+09	66.02	Good
TF3.3	SAV1	Biomass to Abundance Ratio	51.77	36.59	Poor	57.39	39.77	Poor
TF3.3	SAV1	Margalef Diversity Index	1.79	45.40	Fair	1.74	57.59	Good
TF3.3	SAV1	Diatom Biomass	6.68E+08	63.14	Good	1.19E+09	70.40	Good
TF3.3	SAV1	Dinoflagellate Biomass	2.77E+07	81.03	Poor	3.77E+06	73.54	Poor
TF3.3	SAV1	Cyanobacteria Biomass	3.41E+07	65.27	Poor	3.79E+07	69.86	Poor
TF3.3	SAV1	Chlorophyte Biomass	2.10E+08	76.60	Good	1.73E+08	78.73	Good
TF3.3	SAV1	Cryptophyte Biomass	4.78E+07	86.63	Good	3.08E+07	85.81	Good
TF3.3	SAV1	Cyanobacteria Abundance	6.37E+06	71.58	Poor	4.03E+06	70.10	Poor

Appendix D. Continued.

Station	Season	Parameter	AP	AP	AP	BP	BP	BP
			Median	Score	Score	Median	Score	Status
RET3.1	SAV1	Biomass to Abundance Ratio	42.13	17.55	Poor	36.85	13.34	Poor
RET3.1	SAV1	Margalef Diversity Index	1.72	66.28	Good	1.53	29.23	Poor
RET3.1	SAV1	Diatom Biomass	6.72E+08	61.74	Good	8.80E+08	64.59	Good
RET3.1	SAV1	Dinoflagellate Biomass	2.00E+07	60.69	Poor	8.73E+06	65.29	Poor
RET3.1	SAV1	Cyanobacteria Biomass	1.56E+07	65.07	Poor	3.26E+07	74.95	Poor
RET3.1	SAV1	Chlorophyte Biomass	1.98E+07	89.09	Good	2.32E+07	91.65	Good
RET3.1	SAV1	Cryptophyte Biomass	4.37E+07	99.08	Good	9.59E+07	99.42	Good
RET3.1	SAV1	Cyanobacteria Abundance	1.55E+06	69.72	Poor	8.24E+06	84.28	Poor
LE3.6	SAV1	Total Biomass	5.90E+08	32.43	Poor	5.74E+08	41.59	Poor
LE3.6	SAV1	Biomass to Abundance Ratio	56.67	24.23	Poor	81.57	27.09	Poor
LE3.6	SAV1	Margalef Diversity Index	1.99	87.19	Good	2.12	81.29	Good
LE3.6	SAV1	Diatom Biomass	4.03E+08	56.97	Fair	4.72E+08	56.43	Fair
LE3.6	SAV1	Dinoflagellate Biomass	7.98E+07	72.70	Poor	5.41E+07	78.92	Poor
LE3.6	SAV1	Cyanobacteria Biomass	6.48E+06	58.83	Poor	1.73E+06	61.40	Poor
LE3.6	SAV1	Chlorophyte Biomass	1.22E+06	78.08	Good	4.00E+05	81.15	Good
LE3.6	SAV1	Cryptophyte Biomass	3.87E+07	99.04	Good	1.64E+07	99.01	Good
LE3.6	SAV1	Cyanobacteria Abundance	9.24E+05	65.83	Poor	2.70E+05	60.74	Poor
CB6.1	SAV1	Total Biomass	4.04E+08	25.94	Poor	3.27E+08	31.35	Poor
CB6.1	SAV1	Biomass to Abundance Ratio	66.13	28.12	Poor	60.77	25.95	Poor
CB6.1	SAV1	Margalef Diversity Index	1.97	84.69	Good	1.86	60.13	Good
CB6.1	SAV1	Diatom Biomass	2.44E+08	50.66	Fair	2.37E+08	50.07	Fair
CB6.1	SAV1	Dinoflagellate Biomass	6.70E+07	71.19	Poor	2.09E+07	71.26	Poor
CB6.1	SAV1	Cyanobacteria Biomass	1.73E+06	53.97	Fair	1.62E+06	60.44	Poor
CB6.1	SAV1	Chlorophyte Biomass	2.43E+05	76.85	Good	2.43E+05	78.56	Good
CB6.1	SAV1	Cryptophyte Biomass	2.52E+07	98.87	Good	2.32E+07	99.10	Good
CB6.1	SAV1	Cyanobacteria Abundance	2.27E+05	54.30	Fair	2.13E+05	57.60	Poor
CB6.4	SAV1	Total Biomass	6.40E+08	48.54	Fair	3.38E+08	39.65	Poor
CB6.4	SAV1	Biomass to Abundance Ratio	71.16	23.08	Poor	62.71	16.92	Poor
CB6.4	SAV1	Margalef Diversity Index	2.11	21.70	Poor	1.73	6.08	Poor
CB6.4	SAV1	Diatom Biomass	2.99E+08	52.71	Fair	2.69E+08	49.02	Fair
CB6.4	SAV1	Dinoflagellate Biomass	8.81E+07	65.34	Poor	1.77E+07	51.20	Fair
CB6.4	SAV1	Cyanobacteria Biomass	1.19E+06	78.26	Poor	1.83E+06	84.00	Poor
CB6.4	SAV1	Chlorophyte Biomass	1.75E+04	65.97	Good	1.75E+04	70.65	Good
CB6.4	SAV1	Cryptophyte Biomass	3.41E+07	71.28	Good	1.54E+07	71.15	Good
CB6.4	SAV1	Cyanobacteria Abundance	2.22E+05	81.00	Poor	3.86E+05	87.14	Poor
CB7.3E	SAV1	Total Biomass	4.80E+08	40.35	Poor	6.65E+08	60.16	Good
CB7.3E	SAV1	Biomass to Abundance Ratio	81.81	27.62	Poor	103.10	37.85	Poor
CB7.3E	SAV1	Margalef Diversity Index	2.24	28.17	Poor	2.40	35.29	Poor
CB7.3E	SAV1	Diatom Biomass	3.38E+08	57.38	Good	5.57E+08	66.19	Good
CB7.3E	SAV1	Dinoflagellate Biomass	7.66E+07	61.15	Poor	3.78E+07	61.41	Poor
CB7.3E	SAV1	Cyanobacteria Biomass	1.08E+06	78.03	Poor	2.70E+06	84.69	Poor
CB7.3E	SAV1	Chlorophyte Biomass	9.50E+03	64.17	Good	6.65E+04	78.14	Good
CB7.3E	SAV1	Cryptophyte Biomass	2.05E+07	70.21	Good	1.19E+07	69.88	Good
CB7.3E	SAV1	Cyanobacteria Abundance	1.42E+05	79.15	Poor	3.55E+05	87.43	Poor
CB7.4	SAV1	Total Biomass	6.57E+08	51.52	Fair	7.01E+08	61.82	Good
CB7.4	SAV1	Biomass to Abundance Ratio	65.53	19.59	Poor	102.79	37.72	Poor
CB7.4	SAV1	Margalef Diversity Index	2.50	48.22	Fair	2.22	23.33	Poor
CB7.4	SAV1	Diatom Biomass	3.15E+08	56.01	Fair	6.22E+08	68.52	Good
CB7.4	SAV1	Dinoflagellate Biomass	1.45E+08	71.44	Poor	2.89E+07	58.22	Poor
CB7.4	SAV1	Cyanobacteria Biomass	1.57E+06	79.66	Poor	1.94E+06	83.48	Poor
CB7.4	SAV1	Chlorophyte Biomass	2.62E+04	70.04	Good	1.90E+04	71.88	Good
CB7.4	SAV1	Cryptophyte Biomass	2.87E+07	71.84	Good	2.81E+07	74.06	Good
CB7.4	SAV1	Cyanobacteria Abundance	3.36E+05	83.56	Poor	2.49E+05	85.97	Poor

Appendix D. Continued.

Station	Season	Parameter	AP	AP	AP	BP	BP	BP
			Median	Score	Score	Median	Score	Status
TF5.5	SAV2	Biomass to Abundance Ratio	45.68	26.65	Poor	54.22	30.09	Poor
TF5.5	SAV2	Margalef Diversity Index	2.37	67.34	Good	2.07	40.08	Poor
TF5.5	SAV2	Diatom Biomass	1.14E+09	56.70	Fair	1.64E+09	63.97	Good
TF5.5	SAV2	Dinoflagellate Biomass	2.25E+06	81.09	Poor	8.73E+05	82.73	Poor
TF5.5	SAV2	Cyanobacteria Biomass	8.53E+07	59.97	Poor	8.27E+07	62.06	Poor
TF5.5	SAV2	Chlorophyte Biomass	4.14E+08	75.03	Good	3.54E+08	73.89	Good
TF5.5	SAV2	Cryptophyte Biomass	2.73E+07	91.03	Good	4.78E+07	91.62	Good
TF5.5	SAV2	Cyanobacteria Abundance	2.37E+07	76.19	Poor	1.69E+07	71.19	Poor
RET5.2	SAV2	Total Biomass	9.15E+08	41.04	Fair	1.17E+09	53.99	Fair
RET5.2	SAV2	Biomass to Abundance Ratio	45.42	33.33	Poor	48.67	36.68	Poor
RET5.2	SAV2	Margalef Diversity Index	1.47	15.62	Poor	1.72	42.17	Fair
RET5.2	SAV2	Diatom Biomass	4.71E+08	57.25	Good	8.41E+08	65.15	Good
RET5.2	SAV2	Dinoflagellate Biomass	1.04E+06	57.52	Fair	1.73E+06	65.34	Poor
RET5.2	SAV2	Cyanobacteria Biomass	2.06E+07	49.40	Fair	2.93E+07	59.65	Poor
RET5.2	SAV2	Chlorophyte Biomass	1.34E+08	71.62	Good	1.42E+08	75.72	Good
RET5.2	SAV2	Cryptophyte Biomass	3.55E+07	87.07	Good	3.27E+07	88.05	Good
RET5.2	SAV2	Cyanobacteria Abundance	3.17E+06	49.39	Fair	2.73E+06	56.05	Fair
LE5.5	SAV2	Total Biomass	4.76E+08	33.36	Poor	4.10E+08	47.41	Fair
LE5.5	SAV2	Biomass to Abundance Ratio	42.03	7.50	Poor	66.60	20.85	Poor
LE5.5	SAV2	Margalef Diversity Index	1.97	15.79	Poor	1.94	12.80	Poor
LE5.5	SAV2	Diatom Biomass	2.38E+08	50.70	Fair	3.38E+08	61.94	Good
LE5.5	SAV2	Dinoflagellate Biomass	9.35E+07	56.06	Fair	5.89E+07	65.35	Poor
LE5.5	SAV2	Cyanobacteria Biomass	3.02E+06	76.62	Poor	2.75E+06	81.31	Poor
LE5.5	SAV2	Chlorophyte Biomass	5.85E+03	63.24	Good	3.80E+04	75.79	Good
LE5.5	SAV2	Cryptophyte Biomass	4.03E+07	72.28	Good	2.87E+07	74.20	Good
LE5.5	SAV2	Cyanobacteria Abundance	3.98E+05	79.54	Poor	2.27E+05	83.74	Poor
SBE5	SAV2	Total Biomass	2.12E+08	9.31	Poor	2.04E+08	12.64	Poor
SBE5	SAV2	Biomass to Abundance Ratio	38.65	11.85	Poor	34.76	7.61	Poor
SBE5	SAV2	Margalef Diversity Index	1.37	22.72	Poor	1.52	32.94	Poor
SBE5	SAV2	Diatom Biomass	1.01E+08	43.76	Fair	1.14E+08	42.21	Poor
SBE5	SAV2	Dinoflagellate Biomass	1.23E+07	43.60	Fair	8.19E+06	60.40	Poor
SBE5	SAV2	Cyanobacteria Biomass	3.39E+06	39.82	Good	1.55E+06	44.79	Fair
SBE5	SAV2	Chlorophyte Biomass	2.60E+05	74.12	Good	1.06E+05	75.12	Good
SBE5	SAV2	Cryptophyte Biomass	4.09E+07	98.90	Good	2.08E+07	98.90	Good
SBE5	SAV2	Cyanobacteria Abundance	4.47E+05	35.07	Good	2.27E+05	40.62	Good
TF4.2	SAV2	Total Biomass	3.38E+08	17.97	Poor	5.08E+08	21.84	Poor
TF4.2	SAV2	Biomass to Abundance Ratio	43.01	25.23	Poor	57.40	31.61	Poor
TF4.2	SAV2	Margalef Diversity Index	1.45	8.16	Poor	1.53	10.66	Poor
TF4.2	SAV2	Diatom Biomass	1.58E+08	17.16	Poor	3.10E+08	25.65	Poor
TF4.2	SAV2	Dinoflagellate Biomass	1.93E+05	70.86	Poor	4.90E+06	87.31	Poor
TF4.2	SAV2	Cyanobacteria Biomass	4.02E+06	36.25	Good	5.36E+06	42.29	Good
TF4.2	SAV2	Chlorophyte Biomass	5.75E+07	58.24	Good	3.44E+07	51.84	Fair
TF4.2	SAV2	Cryptophyte Biomass	1.86E+07	90.33	Good	2.48E+07	90.45	Good
TF4.2	SAV2	Cyanobacteria Abundance	5.33E+05	22.67	Good	6.75E+05	29.72	Good
RET4.3	SAV2	Total Biomass	4.79E+08	19.21	Poor	7.94E+08	38.97	Poor
RET4.3	SAV2	Biomass to Abundance Ratio	35.18	10.54	Poor	35.87	7.94	Poor
RET4.3	SAV2	Margalef Diversity Index	1.61	44.35	Fair	1.38	21.55	Poor
RET4.3	SAV2	Diatom Biomass	3.28E+08	54.52	Fair	5.23E+08	60.04	Good
RET4.3	SAV2	Dinoflagellate Biomass	2.54E+07	51.91	Fair	8.34E+06	60.55	Poor
RET4.3	SAV2	Cyanobacteria Biomass	1.14E+07	47.59	Fair	1.54E+07	58.21	Poor
RET4.3	SAV2	Chlorophyte Biomass	1.86E+07	87.93	Good	2.57E+06	86.22	Good
RET4.3	SAV2	Cryptophyte Biomass	2.46E+07	98.72	Good	4.23E+07	99.11	Good
RET4.3	SAV2	Cyanobacteria Abundance	8.24E+05	43.47	Fair	1.33E+06	62.64	Poor

Appendix D. Continued.

Station	Season	Parameter	AP	AP	AP	BP	BP	BP
			Median	Score	Score	Median	Score	Status
WE4.2	SAV2	Biomass to Abundance Ratio	50.89	11.44	Poor	76.25	24.36	Poor
WE4.2	SAV2	Margalef Diversity Index	1.87	14.23	Poor	2.12	23.86	Poor
WE4.2	SAV2	Diatom Biomass	3.02E+08	58.59	Good	4.15E+08	64.68	Good
WE4.2	SAV2	Dinoflagellate Biomass	5.51E+07	43.78	Fair	2.91E+07	55.79	Fair
WE4.2	SAV2	Cyanobacteria Biomass	3.44E+06	77.23	Poor	2.16E+06	80.54	Poor
WE4.2	SAV2	Chlorophyte Biomass	3.37E+04	66.27	Good	1.35E+06	89.46	Good
WE4.2	SAV2	Cryptophyte Biomass	2.69E+07	70.36	Good	2.52E+07	73.56	Good
WE4.2	SAV2	Cyanobacteria Abundance	4.65E+05	80.54	Poor	2.84E+05	85.11	Poor
TF3.3	SAV2	Total Biomass	1.69E+09	55.92	Fair	1.58E+09	61.19	Good
TF3.3	SAV2	Biomass to Abundance Ratio	42.32	31.33	Poor	55.86	40.84	Poor
TF3.3	SAV2	Margalef Diversity Index	1.96	49.11	Fair	1.82	50.84	Fair
TF3.3	SAV2	Diatom Biomass	1.06E+09	67.16	Good	1.19E+09	69.79	Good
TF3.3	SAV2	Dinoflagellate Biomass	3.90E+07	77.52	Poor	3.77E+06	69.67	Poor
TF3.3	SAV2	Cyanobacteria Biomass	7.61E+07	60.59	Poor	7.47E+07	66.25	Poor
TF3.3	SAV2	Chlorophyte Biomass	2.55E+08	75.35	Good	1.73E+08	76.67	Good
TF3.3	SAV2	Cryptophyte Biomass	3.96E+07	87.32	Good	2.97E+07	87.83	Good
TF3.3	SAV2	Cyanobacteria Abundance	1.78E+07	75.88	Poor	9.98E+06	72.20	Poor
RET3.1	SAV2	Total Biomass	1.11E+09	36.02	Poor	1.79E+09	60.77	Good
RET3.1	SAV2	Biomass to Abundance Ratio	41.63	12.99	Poor	36.85	8.23	Poor
RET3.1	SAV2	Margalef Diversity Index	1.74	57.61	Fair	1.53	34.15	Poor
RET3.1	SAV2	Diatom Biomass	7.21E+08	61.51	Good	1.30E+09	69.80	Good
RET3.1	SAV2	Dinoflagellate Biomass	6.00E+06	35.68	Good	7.20E+06	59.27	Poor
RET3.1	SAV2	Cyanobacteria Biomass	4.28E+07	56.21	Fair	7.61E+07	66.95	Poor
RET3.1	SAV2	Chlorophyte Biomass	5.08E+07	90.07	Good	6.94E+07	93.01	Good
RET3.1	SAV2	Cryptophyte Biomass	5.06E+07	98.97	Good	7.37E+07	99.25	Good
RET3.1	SAV2	Cyanobacteria Abundance	8.70E+06	74.96	Poor	9.12E+06	81.72	Poor
LE3.6	SAV2	Total Biomass	6.06E+08	23.30	Poor	6.34E+08	30.94	Poor
LE3.6	SAV2	Biomass to Abundance Ratio	43.83	13.96	Poor	52.89	13.02	Poor
LE3.6	SAV2	Margalef Diversity Index	2.00	77.78	Good	1.81	61.86	Good
LE3.6	SAV2	Diatom Biomass	3.11E+08	54.22	Fair	4.34E+08	58.35	Good
LE3.6	SAV2	Dinoflagellate Biomass	1.73E+08	72.01	Poor	5.35E+07	75.11	Poor
LE3.6	SAV2	Cyanobacteria Biomass	6.05E+06	42.80	Fair	4.27E+06	49.50	Fair
LE3.6	SAV2	Chlorophyte Biomass	1.30E+06	80.21	Good	6.75E+05	82.17	Good
LE3.6	SAV2	Cryptophyte Biomass	4.16E+07	98.89	Good	2.13E+07	98.90	Good
LE3.6	SAV2	Cyanobacteria Abundance	9.09E+05	42.41	Fair	9.87E+05	58.81	Poor
CB6.1	SAV2	Biomass to Abundance Ratio	50.66	17.29	Poor	59.34	17.06	Poor
CB6.1	SAV2	Margalef Diversity Index	1.93	77.21	Good	1.84	63.31	Good
CB6.1	SAV2	Diatom Biomass	2.48E+08	51.19	Fair	2.16E+08	50.77	Fair
CB6.1	SAV2	Dinoflagellate Biomass	9.55E+07	68.13	Poor	3.18E+07	72.00	Poor
CB6.1	SAV2	Cyanobacteria Biomass	2.23E+06	37.26	Good	3.19E+06	49.03	Fair
CB6.1	SAV2	Chlorophyte Biomass	8.37E+05	76.66	Good	8.30E+05	82.03	Good
CB6.1	SAV2	Cryptophyte Biomass	2.08E+07	98.63	Good	2.04E+07	98.86	Good
CB6.1	SAV2	Cyanobacteria Abundance	3.13E+05	30.54	Good	4.25E+05	48.39	Fair
CB6.4	SAV2	Total Biomass	6.56E+08	44.04	Fair	2.85E+08	35.82	Poor
CB6.4	SAV2	Biomass to Abundance Ratio	79.25	27.89	Poor	50.12	14.58	Poor
CB6.4	SAV2	Margalef Diversity Index	1.75	8.04	Poor	1.67	5.36	Poor
CB6.4	SAV2	Diatom Biomass	1.66E+08	37.59	Poor	1.98E+08	48.64	Fair
CB6.4	SAV2	Dinoflagellate Biomass	1.33E+08	64.97	Poor	1.64E+07	44.72	Fair
CB6.4	SAV2	Cyanobacteria Biomass	3.57E+06	77.25	Poor	2.15E+06	80.87	Poor
CB6.4	SAV2	Chlorophyte Biomass	5.80E+03	63.15	Good	3.55E+05	85.21	Good
CB6.4	SAV2	Cryptophyte Biomass	4.13E+07	72.32	Good	3.04E+07	74.47	Good
CB6.4	SAV2	Cyanobacteria Abundance	4.48E+05	79.76	Poor	3.59E+05	85.54	Poor

Appendix D. Continued.

Station	Season	Parameter	AP	AP	AP	BP	BP	BP
			Median	Score	Score	Median	Score	Status
CB7.3E	SAV2	Total Biomass	5.52E+08	38.55	Poor	6.83E+08	65.38	Good
CB7.3E	SAV2	Biomass to Abundance Ratio	55.66	13.09	Poor	79.49	27.38	Poor
CB7.3E	SAV2	Margalef Diversity Index	2.18	28.63	Poor	2.04	18.40	Poor
CB7.3E	SAV2	Diatom Biomass	3.28E+08	59.64	Good	4.68E+08	69.23	Good
CB7.3E	SAV2	Dinoflagellate Biomass	8.17E+07	52.35	Fair	3.48E+07	57.54	Poor
CB7.3E	SAV2	Cyanobacteria Biomass	3.35E+06	77.09	Poor	1.94E+06	79.79	Poor
CB7.3E	SAV2	Chlorophyte Biomass	3.18E+04	73.19	Good	1.67E+05	82.57	Good
CB7.3E	SAV2	Cryptophyte Biomass	2.78E+07	70.50	Good	2.17E+07	72.89	Good
CB7.3E	SAV2	Cyanobacteria Abundance	4.40E+05	80.11	Poor	2.13E+05	83.40	Poor
CB7.4	SAV2	Total Biomass	5.97E+08	41.28	Fair	6.29E+08	62.83	Good
CB7.4	SAV2	Biomass to Abundance Ratio	66.85	18.40	Poor	89.98	32.54	Poor
CB7.4	SAV2	Margalef Diversity Index	1.79	8.46	Poor	2.13	23.00	Poor
CB7.4	SAV2	Diatom Biomass	3.41E+08	60.63	Good	4.18E+08	66.90	Good
CB7.4	SAV2	Dinoflagellate Biomass	9.71E+07	56.74	Fair	3.68E+07	58.43	Poor
CB7.4	SAV2	Cyanobacteria Biomass	2.21E+06	75.13	Poor	1.60E+06	78.87	Poor
CB7.4	SAV2	Chlorophyte Biomass	2.92E+03	38.53	Poor	1.48E+05	82.02	Good
CB7.4	SAV2	Cryptophyte Biomass	1.92E+07	68.69	Good	1.40E+07	70.71	Good
CB7.4	SAV2	Cyanobacteria Abundance	3.38E+05	78.61	Poor	2.40E+05	83.99	Poor
TF5.5	Spring1	Total Biomass	3.66E+09	69.41	Good	1.75E+09	53.66	Fair
TF5.5	Spring1	Biomass to Abundance Ratio	91.15	33.79	Poor	71.68	25.59	Poor
TF5.5	Spring1	Margalef Diversity Index	2.01	59.68	Good	2.33	83.95	Good
TF5.5	Spring1	Diatom Biomass	1.87E+09	66.37	Good	1.32E+09	59.02	Good
TF5.5	Spring1	Dinoflagellate Biomass	2.12E+06	90.30	Poor	4.36E+05	87.92	Poor
TF5.5	Spring1	Cyanobacteria Biomass	2.68E+07	66.81	Poor	6.28E+07	71.67	Poor
TF5.5	Spring1	Chlorophyte Biomass	8.89E+08	82.77	Good	4.86E+08	78.86	Good
TF5.5	Spring1	Cryptophyte Biomass	2.73E+07	94.33	Good	8.79E+06	93.08	Good
TF5.5	Spring1	Cyanobacteria Abundance	5.23E+06	77.00	Poor	5.19E+06	76.91	Poor
RET5.2	Spring1	Total Biomass	9.15E+08	44.88	Fair	1.23E+09	57.15	Fair
RET5.2	Spring1	Biomass to Abundance Ratio	53.31	29.39	Poor	59.87	33.49	Poor
RET5.2	Spring1	Margalef Diversity Index	1.80	50.22	Fair	1.55	46.85	Fair
RET5.2	Spring1	Diatom Biomass	4.71E+08	56.91	Fair	8.81E+08	63.52	Good
RET5.2	Spring1	Dinoflagellate Biomass	0	8.38	Good	1.20E+06	74.57	Poor
RET5.2	Spring1	Cyanobacteria Biomass	1.35E+07	60.86	Poor	5.69E+06	64.46	Poor
RET5.2	Spring1	Chlorophyte Biomass	1.57E+08	76.44	Good	3.01E+08	83.10	Good
RET5.2	Spring1	Cryptophyte Biomass	2.73E+07	87.60	Good	1.36E+07	87.13	Good
RET5.2	Spring1	Cyanobacteria Abundance	1.31E+06	59.47	Poor	1.29E+06	68.07	Poor
LE5.5	Spring1	Total Biomass	7.43E+08	35.02	Poor	5.16E+08	23.96	Poor
LE5.5	Spring1	Biomass to Abundance Ratio	74.73	12.43	Poor	60.29	8.24	Poor
LE5.5	Spring1	Margalef Diversity Index	2.37	41.13	Poor	1.94	6.08	Poor
LE5.5	Spring1	Diatom Biomass	4.12E+08	37.20	Poor	3.52E+08	28.07	Poor
LE5.5	Spring1	Dinoflagellate Biomass	1.17E+08	67.48	Poor	1.04E+08	67.44	Poor
LE5.5	Spring1	Cyanobacteria Biomass	1.50E+06	74.42	Poor	2.75E+06	81.80	Poor
LE5.5	Spring1	Chlorophyte Biomass	1.52E+06	76.59	Good	4.09E+04	57.47	Good
LE5.5	Spring1	Cryptophyte Biomass	3.68E+07	73.49	Good	2.32E+07	72.17	Good
LE5.5	Spring1	Cyanobacteria Abundance	2.42E+05	79.32	Poor	3.12E+05	85.46	Poor
SBE5	Spring1	Total Biomass	1.98E+08	6.79	Poor	2.33E+08	7.80	Poor
SBE5	Spring1	Biomass to Abundance Ratio	41.14	10.01	Poor	38.08	7.56	Poor
SBE5	Spring1	Margalef Diversity Index	1.98	85.84	Good	1.84	57.23	Fair
SBE5	Spring1	Diatom Biomass	1.04E+08	26.11	Poor	1.59E+08	15.99	Poor
SBE5	Spring1	Dinoflagellate Biomass	8.04E+06	49.06	Fair	1.35E+06	38.82	Good
SBE5	Spring1	Cyanobacteria Biomass	1.51E+06	52.72	Fair	2.48E+06	64.18	Poor
SBE5	Spring1	Chlorophyte Biomass	3.59E+06	76.62	Good	1.92E+06	79.72	Good
SBE5	Spring1	Cryptophyte Biomass	3.24E+07	98.83	Good	4.21E+07	99.20	Good
SBE5	Spring1	Cyanobacteria Abundance	1.99E+05	54.41	Fair	3.27E+05	64.77	Poor

Appendix D. Continued.

Station	Season	Parameter	AP	AP	AP	BP	BP	BP
			Median	Score	Score	Median	Score	Status
TF4.2	Spring1	Total Biomass	3.62E+08	20.39	Poor	4.56E+08	23.76	Poor
TF4.2	Spring1	Biomass to Abundance Ratio	76.98	29.35	Poor	85.29	30.05	Poor
TF4.2	Spring1	Margalef Diversity Index	1.37	10.22	Poor	1.51	19.34	Poor
TF4.2	Spring1	Diatom Biomass	2.68E+08	27.65	Poor	3.87E+08	31.26	Poor
TF4.2	Spring1	Dinoflagellate Biomass	2.25E+04	75.15	Poor	3.29E+06	92.41	Poor
TF4.2	Spring1	Cyanobacteria Biomass	7.24E+06	59.72	Poor	3.84E+06	56.73	Fair
TF4.2	Spring1	Chlorophyte Biomass	6.59E+07	65.07	Good	4.11E+07	59.97	Good
TF4.2	Spring1	Cryptophyte Biomass	1.86E+07	93.83	Good	3.27E+07	94.82	Good
TF4.2	Spring1	Cyanobacteria Abundance	8.12E+05	60.48	Poor	3.66E+05	54.27	Fair
RET4.3	Spring1	Total Biomass	5.73E+08	18.32	Poor	8.51E+08	28.10	Poor
RET4.3	Spring1	Biomass to Abundance Ratio	49.50	12.81	Poor	43.14	9.05	Poor
RET4.3	Spring1	Margalef Diversity Index	1.75	70.46	Good	1.59	33.91	Poor
RET4.3	Spring1	Diatom Biomass	5.03E+08	48.58	Fair	7.12E+08	48.25	Fair
RET4.3	Spring1	Dinoflagellate Biomass	2.54E+07	61.05	Poor	1.81E+07	63.73	Poor
RET4.3	Spring1	Cyanobacteria Biomass	4.72E+06	58.62	Poor	1.03E+07	70.46	Poor
RET4.3	Spring1	Chlorophyte Biomass	1.86E+07	82.37	Good	1.72E+07	86.58	Good
RET4.3	Spring1	Cryptophyte Biomass	3.08E+07	98.82	Good	4.64E+07	99.22	Good
RET4.3	Spring1	Cyanobacteria Abundance	4.12E+05	60.47	Poor	2.65E+06	79.06	Poor
WE4.2	Spring1	Total Biomass	8.99E+08	36.89	Poor	7.12E+08	29.49	Poor
WE4.2	Spring1	Biomass to Abundance Ratio	61.17	10.67	Poor	71.62	8.99	Poor
WE4.2	Spring1	Margalef Diversity Index	2.01	17.34	Poor	1.90	6.00	Poor
WE4.2	Spring1	Diatom Biomass	7.03E+08	42.10	Poor	6.18E+08	35.18	Poor
WE4.2	Spring1	Dinoflagellate Biomass	7.48E+07	61.07	Poor	7.62E+07	62.97	Poor
WE4.2	Spring1	Cyanobacteria Biomass	3.02E+06	78.93	Poor	3.82E+06	82.02	Poor
WE4.2	Spring1	Chlorophyte Biomass	6.51E+05	61.84	Good	1.10E+06	77.90	Good
WE4.2	Spring1	Cryptophyte Biomass	2.32E+07	71.59	Good	2.73E+07	72.48	Good
WE4.2	Spring1	Cyanobacteria Abundance	3.36E+05	81.36	Poor	5.12E+05	86.61	Poor
TF3.3	Spring1	Total Biomass	1.69E+09	59.44	Good	1.64E+09	64.26	Good
TF3.3	Spring1	Biomass to Abundance Ratio	58.84	32.06	Poor	69.41	37.67	Poor
TF3.3	Spring1	Margalef Diversity Index	1.49	23.11	Poor	1.71	60.11	Good
TF3.3	Spring1	Diatom Biomass	8.13E+08	62.99	Good	6.76E+08	60.06	Good
TF3.3	Spring1	Dinoflagellate Biomass	4.66E+07	84.28	Poor	4.04E+05	69.44	Poor
TF3.3	Spring1	Cyanobacteria Biomass	3.41E+07	66.44	Poor	3.79E+07	73.87	Poor
TF3.3	Spring1	Chlorophyte Biomass	2.10E+08	78.13	Good	2.34E+08	82.14	Good
TF3.3	Spring1	Cryptophyte Biomass	2.05E+07	86.93	Good	3.68E+07	89.34	Good
TF3.3	Spring1	Cyanobacteria Abundance	6.37E+06	78.30	Poor	2.85E+06	74.83	Poor
RET3.1	Spring1	Total Biomass	1.18E+09	32.58	Poor	9.94E+08	31.93	Poor
RET3.1	Spring1	Biomass to Abundance Ratio	42.13	10.34	Poor	42.65	8.90	Poor
RET3.1	Spring1	Margalef Diversity Index	1.56	51.04	Fair	1.49	25.01	Poor
RET3.1	Spring1	Diatom Biomass	5.10E+08	48.79	Fair	8.80E+08	53.84	Fair
RET3.1	Spring1	Dinoflagellate Biomass	2.00E+07	58.60	Poor	2.46E+07	66.46	Poor
RET3.1	Spring1	Cyanobacteria Biomass	1.56E+07	64.53	Poor	1.30E+07	71.40	Poor
RET3.1	Spring1	Chlorophyte Biomass	6.38E+07	85.89	Good	4.95E+07	89.12	Good
RET3.1	Spring1	Cryptophyte Biomass	4.09E+07	98.91	Good	9.59E+07	99.38	Good
RET3.1	Spring1	Cyanobacteria Abundance	1.23E+06	68.95	Poor	5.62E+06	83.01	Poor
LE3.6	Spring1	Total Biomass	6.06E+08	19.43	Poor	6.34E+08	19.71	Poor
LE3.6	Spring1	Biomass to Abundance Ratio	58.02	19.98	Poor	80.23	18.02	Poor
LE3.6	Spring1	Margalef Diversity Index	2.10	91.24	Good	2.00	60.12	Good
LE3.6	Spring1	Diatom Biomass	4.49E+08	46.74	Fair	5.51E+08	37.60	Poor
LE3.6	Spring1	Dinoflagellate Biomass	8.26E+07	72.10	Poor	4.92E+07	71.38	Poor
LE3.6	Spring1	Cyanobacteria Biomass	3.24E+06	56.41	Fair	1.63E+06	60.83	Poor
LE3.6	Spring1	Chlorophyte Biomass	4.87E+05	67.68	Good	1.11E+06	75.63	Good
LE3.6	Spring1	Cryptophyte Biomass	4.03E+07	98.81	Good	1.74E+07	98.94	Good
LE3.6	Spring1	Cyanobacteria Abundance	4.83E+05	60.82	Poor	2.14E+05	59.00	Poor

Appendix D. Continued.

Station	Season	Parameter	AP	AP	AP	BP	BP	BP
			Median	Score	Score	Median	Score	Status
CB6.1	Spring1	Total Biomass	4.79E+08	17.50	Poor	1.02E+09	24.24	Poor
CB6.1	Spring1	Biomass to Abundance Ratio	76.08	25.35	Poor	66.68	17.02	Poor
CB6.1	Spring1	Margalef Diversity Index	2.06	92.00	Good	1.92	45.04	Fair
CB6.1	Spring1	Diatom Biomass	3.10E+08	41.55	Poor	9.40E+08	48.02	Fair
CB6.1	Spring1	Dinoflagellate Biomass	6.75E+07	70.40	Poor	4.21E+07	72.17	Poor
CB6.1	Spring1	Cyanobacteria Biomass	1.24E+06	53.42	Fair	3.11E+06	65.08	Poor
CB6.1	Spring1	Chlorophyte Biomass	4.84E+05	68.07	Good	2.50E+05	70.19	Good
CB6.1	Spring1	Cryptophyte Biomass	1.56E+07	98.57	Good	5.34E+07	99.17	Good
CB6.1	Spring1	Cyanobacteria Abundance	1.07E+05	49.66	Fair	5.52E+05	66.75	Poor
CB6.4	Spring1	Total Biomass	7.91E+08	31.48	Poor	4.73E+08	21.50	Poor
CB6.4	Spring1	Biomass to Abundance Ratio	63.87	9.88	Poor	80.88	10.17	Poor
CB6.4	Spring1	Margalef Diversity Index	2.17	22.22	Poor	2.07	20.43	Poor
CB6.4	Spring1	Diatom Biomass	5.81E+08	45.39	Fair	3.41E+08	26.84	Poor
CB6.4	Spring1	Dinoflagellate Biomass	8.66E+07	66.43	Poor	6.36E+07	57.38	Fair
CB6.4	Spring1	Cyanobacteria Biomass	1.31E+06	72.52	Poor	3.07E+06	82.19	Poor
CB6.4	Spring1	Chlorophyte Biomass	1.46E+05	59.58	Good	6.59E+05	73.01	Good
CB6.4	Spring1	Cryptophyte Biomass	3.24E+07	69.45	Good	3.32E+07	72.83	Good
CB6.4	Spring1	Cyanobacteria Abundance	2.23E+05	78.71	Poor	4.90E+05	86.77	Poor
CB7.3E	Spring1	Total Biomass	5.07E+08	22.76	Poor	7.06E+08	33.55	Poor
CB7.3E	Spring1	Biomass to Abundance Ratio	105.60	23.06	Poor	97.31	19.14	Poor
CB7.3E	Spring1	Margalef Diversity Index	2.31	35.84	Poor	2.46	37.50	Poor
CB7.3E	Spring1	Diatom Biomass	3.45E+08	32.13	Poor	6.31E+08	44.63	Fair
CB7.3E	Spring1	Dinoflagellate Biomass	7.39E+07	59.79	Poor	5.78E+07	60.17	Poor
CB7.3E	Spring1	Cyanobacteria Biomass	1.40E+06	73.86	Poor	2.81E+06	81.90	Poor
CB7.3E	Spring1	Chlorophyte Biomass	8.49E+04	58.36	Good	6.42E+05	69.27	Good
CB7.3E	Spring1	Cryptophyte Biomass	1.74E+07	69.85	Good	9.55E+06	67.67	Good
CB7.3E	Spring1	Cyanobacteria Abundance	1.85E+05	77.13	Poor	2.42E+05	83.34	Poor
CB7.4	Spring1	Total Biomass	1.03E+09	47.18	Fair	7.20E+08	34.25	Poor
CB7.4	Spring1	Biomass to Abundance Ratio	69.32	10.80	Poor	104.84	22.10	Poor
CB7.4	Spring1	Margalef Diversity Index	1.82	5.75	Poor	2.12	13.24	Poor
CB7.4	Spring1	Diatom Biomass	7.87E+08	56.52	Fair	6.44E+08	45.31	Fair
CB7.4	Spring1	Dinoflagellate Biomass	1.53E+08	71.59	Poor	7.34E+07	63.08	Poor
CB7.4	Spring1	Cyanobacteria Biomass	4.60E+06	79.79	Poor	1.87E+06	80.02	Poor
CB7.4	Spring1	Chlorophyte Biomass	2.92E+03	24.05	Poor	2.12E+04	52.87	Fair
CB7.4	Spring1	Cryptophyte Biomass	2.51E+07	71.61	Good	2.31E+07	72.03	Good
CB7.4	Spring1	Cyanobacteria Abundance	6.05E+05	84.26	Poor	2.38E+05	84.09	Poor
TF5.5	Spring2	Total Biomass	2.73E+09	58.77	Good	1.75E+09	46.82	Fair
TF5.5	Spring2	Biomass to Abundance Ratio	56.75	24.91	Poor	63.13	24.58	Poor
TF5.5	Spring2	Margalef Diversity Index	2.37	78.49	Good	2.04	49.85	Fair
TF5.5	Spring2	Diatom Biomass	1.87E+09	61.95	Good	1.32E+09	53.19	Fair
TF5.5	Spring2	Dinoflagellate Biomass	2.12E+06	84.27	Poor	8.73E+05	86.80	Poor
TF5.5	Spring2	Cyanobacteria Biomass	8.53E+07	64.57	Poor	6.39E+07	64.23	Poor
TF5.5	Spring2	Chlorophyte Biomass	8.82E+08	80.32	Good	3.54E+08	75.07	Good
TF5.5	Spring2	Cryptophyte Biomass	1.64E+07	93.11	Good	1.43E+07	92.01	Good
TF5.5	Spring2	Cyanobacteria Abundance	6.59E+06	70.55	Poor	5.02E+06	68.49	Poor
RET5.2	Spring2	Total Biomass	9.96E+08	41.41	Fair	1.28E+09	56.84	Fair
RET5.2	Spring2	Biomass to Abundance Ratio	42.14	22.60	Poor	55.92	33.63	Poor
RET5.2	Spring2	Margalef Diversity Index	1.51	24.07	Poor	1.72	53.33	Fair
RET5.2	Spring2	Diatom Biomass	5.32E+08	57.09	Fair	9.84E+08	64.74	Good
RET5.2	Spring2	Dinoflagellate Biomass	0	5.16	Good	1.20E+06	69.44	Poor
RET5.2	Spring2	Cyanobacteria Biomass	1.35E+07	52.26	Fair	2.93E+07	66.67	Poor
RET5.2	Spring2	Chlorophyte Biomass	1.57E+08	74.59	Good	1.56E+08	78.87	Good
RET5.2	Spring2	Cryptophyte Biomass	6.00E+07	89.96	Good	4.09E+07	90.07	Good
RET5.2	Spring2	Cyanobacteria Abundance	3.17E+06	61.67	Poor	2.73E+06	67.51	Poor

Appendix D. Continued.

Station	Season	Parameter	AP	AP	AP	BP	BP	BP
			Median	Score	Score	Median	Score	Status
LE5.5	Spring2	Total Biomass	4.83E+08	23.87	Poor	4.10E+08	28.79	Poor
LE5.5	Spring2	Biomass to Abundance Ratio	59.00	9.76	Poor	66.60	13.05	Poor
LE5.5	Spring2	Margalef Diversity Index	2.10	18.66	Poor	1.84	5.08	Poor
LE5.5	Spring2	Diatom Biomass	3.15E+08	38.17	Poor	3.38E+08	42.26	Fair
LE5.5	Spring2	Dinoflagellate Biomass	1.17E+08	60.93	Poor	7.57E+07	62.84	Poor
LE5.5	Spring2	Cyanobacteria Biomass	3.02E+06	74.83	Poor	2.75E+06	79.06	Poor
LE5.5	Spring2	Chlorophyte Biomass	2.08E+06	80.95	Good	1.30E+06	80.83	Good
LE5.5	Spring2	Cryptophyte Biomass	4.37E+07	72.50	Good	2.56E+07	71.44	Good
LE5.5	Spring2	Cyanobacteria Abundance	3.98E+05	80.72	Poor	2.27E+05	83.25	Poor
SBE5	Spring2	Total Biomass	2.16E+08	4.67	Poor	2.33E+08	7.76	Poor
SBE5	Spring2	Biomass to Abundance Ratio	40.87	6.58	Poor	34.76	3.92	Poor
SBE5	Spring2	Margalef Diversity Index	1.59	52.51	Fair	1.40	24.40	Poor
SBE5	Spring2	Diatom Biomass	1.32E+08	40.02	Poor	1.18E+08	14.93	Poor
SBE5	Spring2	Dinoflagellate Biomass	6.57E+06	32.37	Good	1.34E+06	37.26	Good
SBE5	Spring2	Cyanobacteria Biomass	2.05E+06	28.78	Good	1.55E+06	40.08	Good
SBE5	Spring2	Chlorophyte Biomass	1.38E+06	72.31	Good	5.47E+05	73.47	Good
SBE5	Spring2	Cryptophyte Biomass	5.59E+07	98.73	Good	2.86E+07	99.03	Good
SBE5	Spring2	Cyanobacteria Abundance	2.84E+05	29.97	Good	2.27E+05	38.13	Good
TF4.2	Spring2	Total Biomass	3.38E+08	15.19	Poor	6.31E+08	23.40	Poor
TF4.2	Spring2	Biomass to Abundance Ratio	58.76	25.69	Poor	67.51	26.12	Poor
TF4.2	Spring2	Margalef Diversity Index	1.45	11.38	Poor	1.46	12.23	Poor
TF4.2	Spring2	Diatom Biomass	1.58E+08	13.25	Poor	3.85E+08	24.64	Poor
TF4.2	Spring2	Dinoflagellate Biomass	2.25E+04	64.87	Poor	4.78E+06	89.91	Poor
TF4.2	Spring2	Cyanobacteria Biomass	8.15E+06	48.36	Fair	4.40E+06	46.60	Fair
TF4.2	Spring2	Chlorophyte Biomass	6.59E+07	61.78	Good	7.10E+07	59.51	Good
TF4.2	Spring2	Cryptophyte Biomass	1.86E+07	93.29	Good	3.19E+07	93.23	Good
TF4.2	Spring2	Cyanobacteria Abundance	8.12E+05	40.66	Good	6.09E+05	43.06	Fair
RET4.3	Spring2	Total Biomass	4.81E+08	10.98	Poor	8.28E+08	27.29	Poor
RET4.3	Spring2	Biomass to Abundance Ratio	49.50	8.75	Poor	52.90	7.69	Poor
RET4.3	Spring2	Margalef Diversity Index	1.75	68.17	Good	1.55	39.91	Poor
RET4.3	Spring2	Diatom Biomass	2.60E+08	46.70	Fair	6.25E+08	50.42	Fair
RET4.3	Spring2	Dinoflagellate Biomass	4.53E+07	57.53	Fair	1.81E+07	63.68	Poor
RET4.3	Spring2	Cyanobacteria Biomass	9.30E+06	39.27	Good	1.25E+07	53.42	Fair
RET4.3	Spring2	Chlorophyte Biomass	5.19E+07	85.22	Good	1.72E+07	85.88	Good
RET4.3	Spring2	Cryptophyte Biomass	2.46E+07	98.40	Good	4.64E+07	99.17	Good
RET4.3	Spring2	Cyanobacteria Abundance	6.99E+05	44.14	Fair	1.59E+06	67.81	Poor
WE4.2	Spring2	Total Biomass	7.99E+08	39.39	Poor	6.83E+08	41.54	Poor
WE4.2	Spring2	Biomass to Abundance Ratio	72.02	15.35	Poor	78.42	16.43	Poor
WE4.2	Spring2	Margalef Diversity Index	1.87	9.84	Poor	2.15	37.18	Poor
WE4.2	Spring2	Diatom Biomass	3.88E+08	40.51	Poor	5.39E+08	50.78	Fair
WE4.2	Spring2	Dinoflagellate Biomass	1.24E+08	69.31	Poor	6.08E+07	59.89	Poor
WE4.2	Spring2	Cyanobacteria Biomass	8.10E+06	79.96	Poor	2.52E+06	78.46	Poor
WE4.2	Spring2	Chlorophyte Biomass	8.58E+05	74.32	Good	1.10E+06	80.65	Good
WE4.2	Spring2	Cryptophyte Biomass	3.99E+07	71.77	Good	2.25E+07	71.27	Good
WE4.2	Spring2	Cyanobacteria Abundance	1.07E+06	86.31	Poor	3.41E+05	85.09	Poor
TF3.3	Spring2	Total Biomass	1.69E+09	54.34	Fair	2.21E+09	69.81	Good
TF3.3	Spring2	Biomass to Abundance Ratio	58.44	30.74	Poor	66.12	38.22	Poor
TF3.3	Spring2	Margalef Diversity Index	1.78	44.19	Fair	1.81	60.84	Good
TF3.3	Spring2	Diatom Biomass	1.25E+09	66.65	Good	8.89E+08	63.61	Good
TF3.3	Spring2	Dinoflagellate Biomass	4.66E+07	80.18	Poor	9.70E+05	68.33	Poor
TF3.3	Spring2	Cyanobacteria Biomass	5.47E+07	62.40	Poor	6.57E+07	71.06	Poor
TF3.3	Spring2	Chlorophyte Biomass	3.69E+08	78.98	Good	2.34E+08	80.64	Good
TF3.3	Spring2	Cryptophyte Biomass	2.05E+07	87.74	Good	3.08E+07	89.51	Good
TF3.3	Spring2	Cyanobacteria Abundance	8.59E+06	76.30	Poor	6.97E+06	76.85	Poor

Appendix D. Continued.

Station	Season	Parameter	AP	AP	AP	BP	BP	BP
			Median	Score	Score	Median	Score	Status
RET3.1	Spring2	Total Biomass	1.05E+09	23.34	Poor	1.62E+09	45.32	Fair
RET3.1	Spring2	Biomass to Abundance Ratio	41.63	6.76	Poor	38.75	4.67	Poor
RET3.1	Spring2	Margalef Diversity Index	1.72	65.27	Good	1.31	16.60	Poor
RET3.1	Spring2	Diatom Biomass	5.10E+08	53.47	Fair	9.10E+08	60.17	Good
RET3.1	Spring2	Dinoflagellate Biomass	4.39E+06	27.80	Good	3.50E+05	25.37	Good
RET3.1	Spring2	Cyanobacteria Biomass	5.45E+07	52.87	Fair	4.44E+07	61.38	Poor
RET3.1	Spring2	Chlorophyte Biomass	7.13E+07	86.07	Good	8.92E+07	89.85	Good
RET3.1	Spring2	Cryptophyte Biomass	4.09E+07	98.62	Good	7.91E+07	99.29	Good
RET3.1	Spring2	Cyanobacteria Abundance	8.70E+06	81.47	Poor	8.28E+06	85.66	Poor
LE3.6	Spring2	Total Biomass	6.06E+08	13.93	Poor	6.34E+08	19.59	Poor
LE3.6	Spring2	Biomass to Abundance Ratio	44.48	12.67	Poor	48.05	6.64	Poor
LE3.6	Spring2	Margalef Diversity Index	1.77	77.01	Good	1.77	68.85	Good
LE3.6	Spring2	Diatom Biomass	4.38E+08	51.96	Fair	4.34E+08	41.91	Poor
LE3.6	Spring2	Dinoflagellate Biomass	1.29E+08	71.62	Poor	5.35E+07	73.26	Poor
LE3.6	Spring2	Cyanobacteria Biomass	4.56E+06	32.60	Good	6.84E+06	47.62	Fair
LE3.6	Spring2	Chlorophyte Biomass	1.30E+06	69.78	Good	6.75E+05	74.39	Good
LE3.6	Spring2	Cryptophyte Biomass	5.32E+07	98.62	Good	3.46E+07	98.94	Good
LE3.6	Spring2	Cyanobacteria Abundance	5.98E+05	37.97	Good	1.09E+06	60.59	Poor
CB6.1	Spring2	Total Biomass	4.80E+08	12.45	Poor	5.24E+08	13.09	Poor
CB6.1	Spring2	Biomass to Abundance Ratio	46.89	8.26	Poor	72.39	11.39	Poor
CB6.1	Spring2	Margalef Diversity Index	1.90	90.33	Good	1.87	72.71	Good
CB6.1	Spring2	Diatom Biomass	3.48E+08	49.58	Fair	4.93E+08	30.92	Poor
CB6.1	Spring2	Dinoflagellate Biomass	9.55E+07	68.78	Poor	3.23E+07	69.81	Poor
CB6.1	Spring2	Cyanobacteria Biomass	2.49E+06	30.29	Good	3.54E+06	44.65	Fair
CB6.1	Spring2	Chlorophyte Biomass	7.21E+05	67.53	Good	2.81E+05	69.60	Good
CB6.1	Spring2	Cryptophyte Biomass	1.84E+07	98.25	Good	1.97E+07	98.87	Good
CB6.1	Spring2	Cyanobacteria Abundance	3.76E+05	34.99	Good	4.67E+05	47.69	Fair
CB6.4	Spring2	Total Biomass	7.83E+08	34.05	Poor	4.73E+08	32.72	Poor
CB6.4	Spring2	Biomass to Abundance Ratio	67.36	14.61	Poor	73.68	13.42	Poor
CB6.4	Spring2	Margalef Diversity Index	1.75	4.58	Poor	1.78	4.81	Poor
CB6.4	Spring2	Diatom Biomass	5.62E+08	53.75	Fair	2.56E+08	35.34	Poor
CB6.4	Spring2	Dinoflagellate Biomass	1.57E+08	69.50	Poor	3.21E+07	40.24	Good
CB6.4	Spring2	Cyanobacteria Biomass	3.19E+06	73.43	Poor	3.40E+06	79.49	Poor
CB6.4	Spring2	Chlorophyte Biomass	3.22E+04	54.05	Fair	4.55E+05	61.22	Good
CB6.4	Spring2	Cryptophyte Biomass	5.63E+07	73.06	Good	4.78E+07	73.58	Good
CB6.4	Spring2	Cyanobacteria Abundance	4.19E+05	79.96	Poor	5.94E+05	87.78	Poor
CB7.3E	Spring2	Total Biomass	5.52E+08	27.73	Poor	6.55E+08	42.95	Fair
CB7.3E	Spring2	Biomass to Abundance Ratio	57.99	10.57	Poor	69.58	14.29	Poor
CB7.3E	Spring2	Margalef Diversity Index	1.94	12.25	Poor	2.27	29.65	Poor
CB7.3E	Spring2	Diatom Biomass	3.43E+08	40.41	Poor	4.07E+08	41.32	Poor
CB7.3E	Spring2	Dinoflagellate Biomass	6.32E+07	47.29	Fair	6.22E+07	59.86	Poor
CB7.3E	Spring2	Cyanobacteria Biomass	5.40E+06	77.56	Poor	2.81E+06	79.16	Poor
CB7.3E	Spring2	Chlorophyte Biomass	5.50E+05	68.33	Good	1.45E+06	81.25	Good
CB7.3E	Spring2	Cryptophyte Biomass	2.78E+07	70.28	Good	9.55E+06	66.28	Fair
CB7.3E	Spring2	Cyanobacteria Abundance	8.52E+05	85.16	Poor	2.70E+05	83.83	Poor
CB7.4	Spring2	Total Biomass	7.59E+08	35.64	Poor	5.25E+08	35.22	Poor
CB7.4	Spring2	Biomass to Abundance Ratio	62.63	11.06	Poor	68.00	13.60	Poor
CB7.4	Spring2	Margalef Diversity Index	1.67	2.54	Poor	2.05	13.06	Poor
CB7.4	Spring2	Diatom Biomass	4.73E+08	44.52	Fair	3.33E+08	41.54	Poor
CB7.4	Spring2	Dinoflagellate Biomass	1.57E+08	66.90	Poor	7.33E+07	62.22	Poor
CB7.4	Spring2	Cyanobacteria Biomass	4.60E+06	76.48	Poor	1.11E+06	74.21	Poor
CB7.4	Spring2	Chlorophyte Biomass	2.92E+03	27.26	Poor	3.27E+04	59.14	Good
CB7.4	Spring2	Cryptophyte Biomass	2.40E+07	69.46	Good	1.54E+07	68.74	Good
CB7.4	Spring2	Cyanobacteria Abundance	6.05E+05	82.51	Poor	4.33E+05	85.76	Poor

Appendix D. Continued.

Station	Season	Parameter	AP	AP	AP	BP	BP	BP
			Median	Score	Score	Median	Score	Status
TF5.5	Summer1	Total Biomass	1.64E+09	46.49	Fair	3.46E+09	61.92	Good
TF5.5	Summer1	Biomass to Abundance Ratio	35.33	24.07	Poor	56.31	35.01	Poor
TF5.5	Summer1	Margalef Diversity Index	2.53	63.99	Good	2.18	33.44	Poor
TF5.5	Summer1	Diatom Biomass	1.03E+09	54.11	Fair	2.10E+09	68.26	Good
TF5.5	Summer1	Dinoflagellate Biomass	4.77E+06	74.88	Poor	2.23E+07	86.88	Poor
TF5.5	Summer1	Cyanobacteria Biomass	1.78E+08	54.99	Fair	1.68E+08	55.66	Fair
TF5.5	Summer1	Chlorophyte Biomass	4.19E+08	74.50	Good	3.83E+08	72.87	Good
TF5.5	Summer1	Cryptophyte Biomass	2.73E+07	88.78	Good	4.30E+07	89.51	Good
TF5.5	Summer1	Cyanobacteria Abundance	3.39E+07	71.47	Poor	2.96E+07	65.90	Poor
RET5.2	Summer1	Total Biomass	1.09E+09	43.95	Fair	9.77E+08	47.67	Fair
RET5.2	Summer1	Biomass to Abundance Ratio	42.28	34.60	Poor	41.23	35.70	Poor
RET5.2	Summer1	Margalef Diversity Index	1.43	11.12	Poor	2.08	64.73	Good
RET5.2	Summer1	Diatom Biomass	5.41E+08	58.74	Good	6.83E+08	62.65	Good
RET5.2	Summer1	Dinoflagellate Biomass	8.75E+06	65.50	Poor	1.55E+06	62.37	Poor
RET5.2	Summer1	Cyanobacteria Biomass	4.55E+07	47.20	Fair	4.77E+07	54.63	Fair
RET5.2	Summer1	Chlorophyte Biomass	1.33E+08	71.28	Good	1.49E+08	75.13	Good
RET5.2	Summer1	Cryptophyte Biomass	3.65E+07	86.89	Good	2.58E+07	87.67	Good
RET5.2	Summer1	Cyanobacteria Abundance	6.25E+06	51.10	Fair	5.08E+06	55.19	Fair
LE5.5	Summer1	Total Biomass	4.48E+08	33.20	Poor	5.07E+08	68.02	Good
LE5.5	Summer1	Biomass to Abundance Ratio	49.17	9.88	Poor	69.62	27.14	Poor
LE5.5	Summer1	Margalef Diversity Index	2.07	24.97	Poor	2.14	29.60	Poor
LE5.5	Summer1	Diatom Biomass	2.30E+08	59.32	Good	4.58E+08	84.18	Good
LE5.5	Summer1	Dinoflagellate Biomass	1.38E+08	63.69	Poor	7.36E+07	71.04	Poor
LE5.5	Summer1	Cyanobacteria Biomass	4.26E+06	76.13	Poor	2.62E+06	81.05	Poor
LE5.5	Summer1	Chlorophyte Biomass	1.50E+04	47.97	Fair	2.05E+04	74.46	Good
LE5.5	Summer1	Cryptophyte Biomass	3.09E+07	70.32	Good	3.87E+07	75.90	Good
LE5.5	Summer1	Cyanobacteria Abundance	4.99E+05	79.24	Poor	3.05E+05	84.97	Poor
SBE5	Summer1	Total Biomass	2.14E+08	7.60	Poor	2.05E+08	13.05	Poor
SBE5	Summer1	Biomass to Abundance Ratio	34.89	9.59	Poor	33.52	6.47	Poor
SBE5	Summer1	Margalef Diversity Index	1.27	6.80	Poor	1.48	28.57	Poor
SBE5	Summer1	Diatom Biomass	1.16E+08	44.19	Fair	1.06E+08	43.76	Fair
SBE5	Summer1	Dinoflagellate Biomass	1.77E+07	32.28	Good	1.19E+07	61.12	Poor
SBE5	Summer1	Cyanobacteria Biomass	5.78E+06	35.17	Good	2.38E+06	39.38	Good
SBE5	Summer1	Chlorophyte Biomass	1.70E+05	75.56	Good	5.40E+04	69.39	Good
SBE5	Summer1	Cryptophyte Biomass	3.75E+07	98.95	Good	1.89E+07	98.69	Good
SBE5	Summer1	Cyanobacteria Abundance	1.09E+06	30.85	Good	5.51E+05	42.21	Fair
TF4.2	Summer1	Total Biomass	3.66E+08	18.57	Poor	5.60E+08	21.70	Poor
TF4.2	Summer1	Biomass to Abundance Ratio	38.08	25.84	Poor	37.89	24.44	Poor
TF4.2	Summer1	Margalef Diversity Index	1.40	3.80	Poor	1.52	5.61	Poor
TF4.2	Summer1	Diatom Biomass	1.57E+08	16.82	Poor	1.77E+08	15.69	Poor
TF4.2	Summer1	Dinoflagellate Biomass	1.57E+06	69.50	Poor	8.22E+06	84.22	Poor
TF4.2	Summer1	Cyanobacteria Biomass	3.29E+06	14.82	Good	7.68E+06	25.81	Good
TF4.2	Summer1	Chlorophyte Biomass	2.96E+07	49.86	Fair	6.79E+07	58.90	Good
TF4.2	Summer1	Cryptophyte Biomass	9.97E+06	86.43	Good	2.83E+07	88.66	Good
TF4.2	Summer1	Cyanobacteria Abundance	5.35E+05	8.15	Good	1.18E+06	19.36	Good
RET4.3	Summer1	Total Biomass	5.25E+08	18.15	Poor	6.57E+08	34.52	Poor
RET4.3	Summer1	Biomass to Abundance Ratio	30.01	7.83	Poor	34.29	6.68	Poor
RET4.3	Summer1	Margalef Diversity Index	1.57	23.58	Poor	1.24	13.06	Poor
RET4.3	Summer1	Diatom Biomass	3.73E+08	55.20	Fair	4.94E+08	61.76	Good
RET4.3	Summer1	Dinoflagellate Biomass	2.63E+07	39.10	Good	5.04E+06	51.96	Fair
RET4.3	Summer1	Cyanobacteria Biomass	1.93E+07	43.73	Fair	1.40E+07	50.75	Fair
RET4.3	Summer1	Chlorophyte Biomass	1.54E+07	89.67	Good	2.40E+06	89.28	Good
RET4.3	Summer1	Cryptophyte Biomass	2.52E+07	98.82	Good	3.74E+07	98.92	Good
RET4.3	Summer1	Cyanobacteria Abundance	1.93E+06	42.40	Fair	1.30E+06	55.58	Fair

Appendix D. Continued.

Station	Season	Parameter	AP	AP	AP	BP	BP	BP
			Median	Score	Score	Median	Score	Status
WE4.2	Summer1	Total Biomass	4.08E+08	29.93	Poor	5.22E+08	69.11	Good
WE4.2	Summer1	Biomass to Abundance Ratio	48.21	9.40	Poor	78.42	32.65	Poor
WE4.2	Summer1	Margalef Diversity Index	1.77	8.83	Poor	2.00	20.66	Poor
WE4.2	Summer1	Diatom Biomass	2.38E+08	58.38	Good	4.19E+08	82.30	Good
WE4.2	Summer1	Dinoflagellate Biomass	4.78E+07	31.55	Good	3.10E+07	57.49	Fair
WE4.2	Summer1	Cyanobacteria Biomass	3.73E+06	74.90	Poor	2.56E+06	81.02	Poor
WE4.2	Summer1	Chlorophyte Biomass	6.21E+03	70.43	Good	2.08E+06	92.98	Good
WE4.2	Summer1	Cryptophyte Biomass	2.34E+07	69.12	Good	2.56E+07	73.99	Good
WE4.2	Summer1	Cyanobacteria Abundance	4.86E+05	79.16	Poor	3.37E+05	85.54	Poor
TF3.3	Summer1	Total Biomass	2.53E+09	63.74	Good	1.56E+09	60.27	Good
TF3.3	Summer1	Biomass to Abundance Ratio	32.48	27.17	Poor	38.51	33.70	Poor
TF3.3	Summer1	Margalef Diversity Index	2.01	46.59	Fair	1.98	56.67	Fair
TF3.3	Summer1	Diatom Biomass	1.86E+09	73.31	Good	1.05E+09	69.83	Good
TF3.3	Summer1	Dinoflagellate Biomass	3.72E+07	74.18	Poor	4.75E+06	69.20	Poor
TF3.3	Summer1	Cyanobacteria Biomass	2.04E+08	64.27	Poor	8.59E+07	60.55	Poor
TF3.3	Summer1	Chlorophyte Biomass	2.89E+08	75.40	Good	9.99E+07	72.77	Good
TF3.3	Summer1	Cryptophyte Biomass	4.03E+07	87.11	Good	2.01E+07	87.20	Good
TF3.3	Summer1	Cyanobacteria Abundance	3.49E+07	78.05	Poor	1.24E+07	68.27	Poor
RET3.1	Summer1	Total Biomass	1.33E+09	38.18	Poor	1.88E+09	63.18	Good
RET3.1	Summer1	Biomass to Abundance Ratio	33.05	8.92	Poor	35.66	7.04	Poor
RET3.1	Summer1	Margalef Diversity Index	1.73	38.14	Poor	1.60	38.86	Poor
RET3.1	Summer1	Diatom Biomass	8.11E+08	62.29	Good	1.40E+09	72.61	Good
RET3.1	Summer1	Dinoflagellate Biomass	9.77E+06	20.73	Good	7.39E+06	54.95	Fair
RET3.1	Summer1	Cyanobacteria Biomass	7.63E+07	53.73	Fair	1.41E+08	65.24	Poor
RET3.1	Summer1	Chlorophyte Biomass	1.28E+08	93.13	Good	1.08E+08	94.72	Good
RET3.1	Summer1	Cryptophyte Biomass	5.19E+07	99.05	Good	7.39E+07	99.12	Good
RET3.1	Summer1	Cyanobacteria Abundance	1.62E+07	83.47	Poor	2.11E+07	87.60	Poor
LE3.6	Summer1	Total Biomass	5.13E+08	17.81	Poor	4.57E+08	26.61	Poor
LE3.6	Summer1	Biomass to Abundance Ratio	42.98	12.59	Poor	48.24	10.61	Poor
LE3.6	Summer1	Margalef Diversity Index	2.01	65.43	Good	1.80	56.35	Fair
LE3.6	Summer1	Diatom Biomass	1.93E+08	49.07	Fair	3.49E+08	57.80	Good
LE3.6	Summer1	Dinoflagellate Biomass	1.34E+08	66.31	Poor	1.06E+08	80.25	Poor
LE3.6	Summer1	Cyanobacteria Biomass	4.87E+06	34.05	Good	3.46E+06	41.82	Good
LE3.6	Summer1	Chlorophyte Biomass	1.30E+06	83.61	Good	3.11E+05	83.67	Good
LE3.6	Summer1	Cryptophyte Biomass	4.16E+07	98.99	Good	2.14E+07	98.74	Good
LE3.6	Summer1	Cyanobacteria Abundance	6.41E+05	21.75	Good	1.01E+06	51.63	Fair
CB6.1	Summer1	Total Biomass	4.54E+08	15.91	Poor	2.33E+08	14.78	Poor
CB6.1	Summer1	Biomass to Abundance Ratio	48.51	14.70	Poor	52.04	11.73	Poor
CB6.1	Summer1	Margalef Diversity Index	1.99	63.24	Good	1.86	61.52	Good
CB6.1	Summer1	Diatom Biomass	1.90E+08	48.89	Fair	1.38E+08	46.85	Fair
CB6.1	Summer1	Dinoflagellate Biomass	1.48E+08	67.76	Poor	2.93E+07	69.94	Poor
CB6.1	Summer1	Cyanobacteria Biomass	2.24E+06	29.08	Good	3.27E+06	41.48	Good
CB6.1	Summer1	Chlorophyte Biomass	1.20E+06	83.36	Good	1.25E+06	87.70	Good
CB6.1	Summer1	Cryptophyte Biomass	1.94E+07	98.73	Good	1.71E+07	98.65	Good
CB6.1	Summer1	Cyanobacteria Abundance	3.55E+05	14.06	Good	4.31E+05	38.63	Good
CB6.4	Summer1	Total Biomass	5.79E+08	40.82	Fair	2.48E+08	37.97	Poor
CB6.4	Summer1	Biomass to Abundance Ratio	79.25	28.14	Poor	39.76	9.79	Poor
CB6.4	Summer1	Margalef Diversity Index	1.70	6.71	Poor	1.67	5.91	Poor
CB6.4	Summer1	Diatom Biomass	1.33E+08	42.00	Poor	1.48E+08	49.72	Fair
CB6.4	Summer1	Dinoflagellate Biomass	1.46E+08	65.17	Poor	1.96E+07	49.07	Fair
CB6.4	Summer1	Cyanobacteria Biomass	4.09E+06	75.93	Poor	2.10E+06	80.17	Poor
CB6.4	Summer1	Chlorophyte Biomass	5.80E+03	71.15	Good	6.63E+05	90.81	Good
CB6.4	Summer1	Cryptophyte Biomass	5.07E+07	72.78	Good	3.04E+07	74.79	Good
CB6.4	Summer1	Cyanobacteria Abundance	5.84E+05	80.16	Poor	3.01E+05	85.07	Poor

Appendix D. Continued.

Station	Season	Parameter	AP	AP	AP	BP	BP	BP
			Median	Score	Score	Median	Score	Status
CB7.3E	Summer1	Total Biomass	5.52E+08	41.14	Fair	8.36E+08	83.52	Good
CB7.3E	Summer1	Biomass to Abundance Ratio	49.98	10.20	Poor	74.55	30.24	Poor
CB7.3E	Summer1	Margalef Diversity Index	2.02	24.61	Poor	1.91	14.94	Poor
CB7.3E	Summer1	Diatom Biomass	3.28E+08	69.67	Good	4.68E+08	84.35	Good
CB7.3E	Summer1	Dinoflagellate Biomass	1.11E+08	57.09	Fair	5.19E+07	65.37	Poor
CB7.3E	Summer1	Cyanobacteria Biomass	4.08E+06	75.86	Poor	1.94E+06	79.89	Poor
CB7.3E	Summer1	Chlorophyte Biomass	1.42E+04	47.84	Fair	1.67E+05	87.23	Good
CB7.3E	Summer1	Cryptophyte Biomass	3.74E+07	71.44	Good	2.78E+07	74.38	Good
CB7.3E	Summer1	Cyanobacteria Abundance	5.36E+05	79.63	Poor	2.13E+05	83.42	Poor
CB7.4	Summer1	Total Biomass	4.54E+08	33.43	Poor	5.59E+08	71.34	Good
CB7.4	Summer1	Biomass to Abundance Ratio	78.34	27.73	Poor	76.49	31.45	Poor
CB7.4	Summer1	Margalef Diversity Index	1.96	18.14	Poor	2.10	26.80	Poor
CB7.4	Summer1	Diatom Biomass	3.33E+08	69.89	Good	3.93E+08	80.87	Good
CB7.4	Summer1	Dinoflagellate Biomass	7.21E+07	43.77	Fair	2.43E+07	52.97	Fair
CB7.4	Summer1	Cyanobacteria Biomass	2.18E+06	72.88	Poor	1.60E+06	78.98	Poor
CB7.4	Summer1	Chlorophyte Biomass	0	15.87	Poor	1.20E+06	91.90	Good
CB7.4	Summer1	Cryptophyte Biomass	1.74E+07	67.68	Good	1.38E+07	70.98	Good
CB7.4	Summer1	Cyanobacteria Abundance	3.27E+05	76.82	Poor	2.54E+05	84.30	Poor
TF5.5	Summer2	Total Biomass	1.62E+09	47.09	Fair	3.87E+09	65.23	Good
TF5.5	Summer2	Biomass to Abundance Ratio	37.07	28.81	Poor	55.78	41.52	Fair
TF5.5	Summer2	Margalef Diversity Index	2.60	64.63	Good	2.43	48.45	Fair
TF5.5	Summer2	Diatom Biomass	1.05E+09	57.98	Good	2.60E+09	74.80	Good
TF5.5	Summer2	Dinoflagellate Biomass	5.25E+06	73.84	Poor	2.90E+07	85.82	Poor
TF5.5	Summer2	Cyanobacteria Biomass	1.30E+08	49.23	Fair	1.70E+08	55.41	Fair
TF5.5	Summer2	Chlorophyte Biomass	4.02E+08	74.10	Good	4.11E+08	71.85	Good
TF5.5	Summer2	Cryptophyte Biomass	2.73E+07	86.54	Good	4.78E+07	88.50	Good
TF5.5	Summer2	Cyanobacteria Abundance	3.27E+07	66.55	Poor	3.90E+07	68.69	Poor
RET5.2	Summer2	Total Biomass	1.07E+09	44.26	Fair	6.69E+08	39.13	Poor
RET5.2	Summer2	Biomass to Abundance Ratio	39.13	35.95	Poor	41.64	37.86	Poor
RET5.2	Summer2	Margalef Diversity Index	1.38	6.27	Poor	2.14	66.82	Good
RET5.2	Summer2	Diatom Biomass	5.00E+08	59.40	Good	5.18E+08	59.46	Good
RET5.2	Summer2	Dinoflagellate Biomass	7.49E+06	64.00	Poor	2.05E+06	62.54	Poor
RET5.2	Summer2	Cyanobacteria Biomass	4.80E+07	47.29	Fair	3.90E+07	50.73	Fair
RET5.2	Summer2	Chlorophyte Biomass	1.12E+08	68.20	Good	1.42E+08	72.80	Good
RET5.2	Summer2	Cryptophyte Biomass	3.52E+07	86.16	Good	1.64E+07	86.39	Good
RET5.2	Summer2	Cyanobacteria Abundance	7.96E+06	52.33	Fair	3.73E+06	46.98	Fair
LE5.5	Summer2	Total Biomass	4.77E+08	36.47	Poor	6.21E+08	76.79	Good
LE5.5	Summer2	Biomass to Abundance Ratio	44.86	8.36	Poor	72.64	30.28	Poor
LE5.5	Summer2	Margalef Diversity Index	2.03	24.06	Poor	2.14	30.85	Poor
LE5.5	Summer2	Diatom Biomass	2.38E+08	63.53	Good	5.62E+08	87.65	Good
LE5.5	Summer2	Dinoflagellate Biomass	1.46E+08	66.66	Poor	8.82E+07	74.38	Poor
LE5.5	Summer2	Cyanobacteria Biomass	4.18E+06	75.84	Poor	3.24E+06	81.82	Poor
LE5.5	Summer2	Chlorophyte Biomass	3.00E+04	81.39	Good	3.80E+04	83.08	Good
LE5.5	Summer2	Cryptophyte Biomass	3.96E+07	72.38	Good	4.13E+07	77.24	Good
LE5.5	Summer2	Cyanobacteria Abundance	4.26E+05	76.86	Poor	3.84E+05	85.36	Poor
SBE5	Summer2	Total Biomass	1.72E+08	8.31	Poor	1.82E+08	14.09	Poor
SBE5	Summer2	Biomass to Abundance Ratio	38.65	15.19	Poor	33.64	9.32	Poor
SBE5	Summer2	Margalef Diversity Index	1.22	6.39	Poor	1.62	39.22	Poor
SBE5	Summer2	Diatom Biomass	9.17E+07	40.84	Poor	1.14E+08	48.70	Fair
SBE5	Summer2	Dinoflagellate Biomass	2.32E+07	41.67	Fair	1.32E+07	63.89	Poor
SBE5	Summer2	Cyanobacteria Biomass	6.38E+06	41.43	Fair	2.81E+06	45.67	Fair
SBE5	Summer2	Chlorophyte Biomass	8.11E+04	71.65	Good	1.06E+05	79.15	Good
SBE5	Summer2	Cryptophyte Biomass	2.45E+07	98.87	Good	2.08E+07	98.71	Good
SBE5	Summer2	Cyanobacteria Abundance	1.15E+06	26.71	Good	4.83E+05	40.42	Good

Appendix D. Continued.

Station	Season	Parameter	AP	AP	AP	BP	BP	BP
			Median	Score	Score	Median	Score	Status
TF4.2	Summer2	Total Biomass	4.04E+08	21.00	Poor	3.11E+08	15.17	Poor
TF4.2	Summer2	Biomass to Abundance Ratio	39.73	30.83	Poor	36.77	28.60	Poor
TF4.2	Summer2	Margalef Diversity Index	1.23	1.61	Poor	1.52	5.58	Poor
TF4.2	Summer2	Diatom Biomass	1.68E+08	20.00	Poor	1.54E+08	17.51	Poor
TF4.2	Summer2	Dinoflagellate Biomass	1.44E+06	67.27	Poor	2.36E+06	77.01	Poor
TF4.2	Summer2	Cyanobacteria Biomass	2.40E+06	10.62	Good	7.68E+06	24.27	Good
TF4.2	Summer2	Chlorophyte Biomass	3.59E+07	46.78	Fair	1.87E+07	43.88	Fair
TF4.2	Summer2	Cryptophyte Biomass	1.10E+07	84.15	Good	2.05E+07	86.56	Good
TF4.2	Summer2	Cyanobacteria Abundance	3.14E+05	3.27	Good	1.48E+06	9.17	Good
RET4.3	Summer2	Total Biomass	4.79E+08	20.70	Poor	4.42E+08	29.74	Poor
RET4.3	Summer2	Biomass to Abundance Ratio	28.58	10.58	Poor	32.59	8.97	Poor
RET4.3	Summer2	Margalef Diversity Index	1.53	21.84	Poor	1.23	13.71	Poor
RET4.3	Summer2	Diatom Biomass	4.18E+08	56.29	Fair	3.23E+08	59.44	Good
RET4.3	Summer2	Dinoflagellate Biomass	1.96E+07	39.21	Good	4.50E+06	52.77	Fair
RET4.3	Summer2	Cyanobacteria Biomass	2.13E+07	49.37	Fair	1.54E+07	55.75	Fair
RET4.3	Summer2	Chlorophyte Biomass	4.51E+06	86.09	Good	4.03E+05	83.82	Good
RET4.3	Summer2	Cryptophyte Biomass	2.58E+07	98.89	Good	3.25E+07	98.87	Good
RET4.3	Summer2	Cyanobacteria Abundance	1.53E+06	32.38	Good	1.25E+06	54.50	Fair
WE4.2	Summer2	Total Biomass	4.08E+08	30.81	Poor	5.05E+08	69.56	Good
WE4.2	Summer2	Biomass to Abundance Ratio	44.47	8.19	Poor	70.82	29.17	Poor
WE4.2	Summer2	Margalef Diversity Index	1.76	10.10	Poor	1.88	14.08	Poor
WE4.2	Summer2	Diatom Biomass	3.15E+08	71.26	Good	4.15E+08	82.05	Good
WE4.2	Summer2	Dinoflagellate Biomass	2.46E+07	18.71	Good	2.91E+07	58.18	Fair
WE4.2	Summer2	Cyanobacteria Biomass	1.69E+06	71.46	Poor	2.96E+06	81.45	Poor
WE4.2	Summer2	Chlorophyte Biomass	2.92E+03	68.57	Good	3.33E+06	94.83	Good
WE4.2	Summer2	Cryptophyte Biomass	1.71E+07	68.40	Good	2.59E+07	75.18	Good
WE4.2	Summer2	Cyanobacteria Abundance	2.70E+05	74.00	Poor	3.89E+05	85.43	Poor
TF3.3	Summer2	Total Biomass	3.17E+09	70.37	Good	1.58E+09	59.62	Good
TF3.3	Summer2	Biomass to Abundance Ratio	34.24	31.83	Poor	36.32	33.62	Poor
TF3.3	Summer2	Margalef Diversity Index	2.33	66.26	Good	2.14	66.88	Good
TF3.3	Summer2	Diatom Biomass	2.66E+09	78.15	Good	1.32E+09	77.39	Good
TF3.3	Summer2	Dinoflagellate Biomass	3.90E+07	74.36	Poor	1.46E+07	73.81	Poor
TF3.3	Summer2	Cyanobacteria Biomass	2.00E+08	63.45	Poor	8.68E+07	59.28	Poor
TF3.3	Summer2	Chlorophyte Biomass	2.77E+08	73.62	Good	4.49E+07	66.52	Good
TF3.3	Summer2	Cryptophyte Biomass	4.09E+07	86.52	Good	2.18E+07	87.09	Good
TF3.3	Summer2	Cyanobacteria Abundance	3.74E+07	77.26	Poor	1.24E+07	66.14	Poor
RET3.1	Summer2	Total Biomass	1.55E+09	46.72	Fair	1.98E+09	67.80	Good
RET3.1	Summer2	Biomass to Abundance Ratio	35.48	13.73	Poor	35.47	9.94	Poor
RET3.1	Summer2	Margalef Diversity Index	1.82	46.84	Fair	1.67	43.47	Fair
RET3.1	Summer2	Diatom Biomass	9.01E+08	63.84	Good	1.49E+09	73.48	Good
RET3.1	Summer2	Dinoflagellate Biomass	1.80E+07	37.98	Good	1.06E+07	61.71	Poor
RET3.1	Summer2	Cyanobacteria Biomass	9.19E+07	59.00	Fair	1.39E+08	67.98	Poor
RET3.1	Summer2	Chlorophyte Biomass	5.08E+07	91.38	Good	2.38E+07	93.08	Good
RET3.1	Summer2	Cryptophyte Biomass	8.19E+07	99.22	Good	3.27E+07	98.88	Good
RET3.1	Summer2	Cyanobacteria Abundance	1.55E+07	81.06	Poor	1.93E+07	85.93	Poor
LE3.6	Summer2	Total Biomass	6.15E+08	24.87	Poor	5.43E+08	33.04	Poor
LE3.6	Summer2	Biomass to Abundance Ratio	41.38	16.45	Poor	51.28	15.37	Poor
LE3.6	Summer2	Margalef Diversity Index	2.03	65.17	Good	1.90	61.07	Good
LE3.6	Summer2	Diatom Biomass	1.88E+08	48.12	Fair	3.24E+08	58.02	Fair
LE3.6	Summer2	Dinoflagellate Biomass	1.54E+08	69.26	Poor	7.65E+07	78.13	Poor
LE3.6	Summer2	Cyanobacteria Biomass	1.17E+07	45.23	Fair	3.24E+06	46.50	Fair
LE3.6	Summer2	Chlorophyte Biomass	4.13E+06	84.75	Good	6.76E+05	84.80	Good
LE3.6	Summer2	Cryptophyte Biomass	4.01E+07	99.03	Good	2.34E+07	98.75	Good
LE3.6	Summer2	Cyanobacteria Abundance	1.55E+06	32.27	Good	7.31E+05	45.40	Fair

Appendix D. Continued.

Station	Season	Parameter	AP	AP	AP	BP	BP	BP
			Median	Score	Score	Median	Score	Status
CB6.1	Summer2	Total Biomass	5.04E+08	21.53	Poor	2.18E+08	16.56	Poor
CB6.1	Summer2	Biomass to Abundance Ratio	147.43	53.71	Fair	50.12	14.97	Poor
CB6.1	Summer2	Margalef Diversity Index	1.93	56.31	Fair	1.66	42.98	Fair
CB6.1	Summer2	Diatom Biomass	1.87E+08	48.06	Fair	1.29E+08	49.91	Fair
CB6.1	Summer2	Dinoflagellate Biomass	1.02E+08	61.26	Poor	2.14E+07	64.69	Poor
CB6.1	Summer2	Cyanobacteria Biomass	1.97E+06	34.06	Good	3.23E+06	46.51	Fair
CB6.1	Summer2	Chlorophyte Biomass	1.18E+06	81.26	Good	3.21E+06	88.74	Good
CB6.1	Summer2	Cryptophyte Biomass	2.58E+07	98.87	Good	1.77E+07	98.65	Good
CB6.1	Summer2	Cyanobacteria Abundance	3.09E+05	9.49	Good	4.29E+05	38.74	Good
CB6.4	Summer2	Total Biomass	8.06E+08	57.08	Fair	2.48E+08	39.22	Poor
CB6.4	Summer2	Biomass to Abundance Ratio	88.98	35.26	Poor	39.10	10.62	Poor
CB6.4	Summer2	Margalef Diversity Index	1.82	12.76	Poor	1.70	7.46	Poor
CB6.4	Summer2	Diatom Biomass	1.47E+08	48.79	Fair	1.60E+08	53.21	Fair
CB6.4	Summer2	Dinoflagellate Biomass	1.32E+08	63.98	Poor	2.42E+07	55.15	Fair
CB6.4	Summer2	Cyanobacteria Biomass	4.00E+06	75.65	Poor	1.73E+06	79.14	Poor
CB6.4	Summer2	Chlorophyte Biomass	5.76E+03	72.76	Good	9.52E+05	92.70	Good
CB6.4	Summer2	Cryptophyte Biomass	4.20E+07	72.65	Good	3.04E+07	75.89	Good
CB6.4	Summer2	Cyanobacteria Abundance	5.49E+05	78.35	Poor	2.27E+05	82.79	Poor
CB7.3E	Summer2	Total Biomass	6.20E+08	46.63	Fair	9.49E+08	87.54	Good
CB7.3E	Summer2	Biomass to Abundance Ratio	52.57	12.11	Poor	75.29	31.90	Poor
CB7.3E	Summer2	Margalef Diversity Index	2.24	40.05	Poor	1.95	17.94	Poor
CB7.3E	Summer2	Diatom Biomass	3.38E+08	73.02	Good	5.18E+08	86.32	Good
CB7.3E	Summer2	Dinoflagellate Biomass	1.14E+08	59.81	Poor	3.78E+07	62.30	Poor
CB7.3E	Summer2	Cyanobacteria Biomass	3.46E+06	74.97	Poor	1.73E+06	79.14	Poor
CB7.3E	Summer2	Chlorophyte Biomass	0	16.76	Poor	1.08E+05	86.99	Good
CB7.3E	Summer2	Cryptophyte Biomass	3.58E+07	71.93	Good	2.73E+07	75.41	Good
CB7.3E	Summer2	Cyanobacteria Abundance	4.55E+05	77.24	Poor	1.99E+05	82.08	Poor
CB7.4	Summer2	Total Biomass	5.36E+08	40.90	Fair	6.10E+08	76.20	Good
CB7.4	Summer2	Biomass to Abundance Ratio	93.63	38.36	Poor	113.95	52.90	Fair
CB7.4	Summer2	Margalef Diversity Index	2.00	22.31	Poor	2.13	30.22	Poor
CB7.4	Summer2	Diatom Biomass	3.67E+08	74.99	Good	4.32E+08	82.86	Good
CB7.4	Summer2	Dinoflagellate Biomass	7.89E+07	48.68	Fair	1.98E+07	51.82	Fair
CB7.4	Summer2	Cyanobacteria Biomass	2.09E+06	72.53	Poor	1.91E+06	79.60	Poor
CB7.4	Summer2	Chlorophyte Biomass	0	16.76	Poor	1.90E+06	93.96	Good
CB7.4	Summer2	Cryptophyte Biomass	1.57E+07	67.99	Good	1.40E+07	72.27	Good
CB7.4	Summer2	Cyanobacteria Abundance	2.98E+05	74.64	Poor	2.52E+05	83.32	Poor
LE5.5	Winter	Total Biomass	7.22E+08	53.34	Fair	1.18E+09	63.53	Good
LE5.5	Winter	Biomass to Abundance Ratio	101.28	44.03	Fair	99.64	38.81	Poor
LE5.5	Winter	Margalef Diversity Index	3.04	70.90	Good	2.51	31.30	Poor
LE5.5	Winter	Diatom Biomass	6.30E+08	60.08	Good	6.77E+08	51.14	Fair
LE5.5	Winter	Dinoflagellate Biomass	6.52E+07	65.43	Poor	1.69E+08	79.73	Poor
LE5.5	Winter	Cyanobacteria Biomass	8.64E+05	81.85	Poor	9.23E+05	89.71	Poor
LE5.5	Winter	Chlorophyte Biomass	1.95E+06	92.15	Good	2.15E+06	91.57	Good
LE5.5	Winter	Cryptophyte Biomass	1.60E+07	66.87	Good	3.00E+07	70.69	Good
LE5.5	Winter	Cyanobacteria Abundance	1.14E+05	87.74	Poor	2.13E+05	93.73	Poor
SBE5	Winter	Total Biomass	4.53E+08	23.65	Poor	4.16E+08	20.39	Poor
SBE5	Winter	Biomass to Abundance Ratio	77.66	37.13	Poor	75.28	29.23	Poor
SBE5	Winter	Margalef Diversity Index	2.69	74.88	Good	2.88	84.74	Good
SBE5	Winter	Diatom Biomass	4.03E+08	47.91	Fair	2.66E+08	27.23	Poor
SBE5	Winter	Dinoflagellate Biomass	3.29E+07	62.89	Poor	1.66E+07	59.55	Poor
SBE5	Winter	Cyanobacteria Biomass	2.43E+06	63.12	Poor	8.33E+05	59.61	Poor
SBE5	Winter	Chlorophyte Biomass	1.68E+06	86.48	Good	6.66E+06	86.79	Good
SBE5	Winter	Cryptophyte Biomass	1.93E+07	97.22	Good	1.56E+07	97.24	Good
SBE5	Winter	Cyanobacteria Abundance	3.20E+05	67.47	Poor	1.38E+05	65.74	Poor

Appendix D. Continued.

Station	Season	Parameter	AP	AP	AP	BP	BP	BP
			Median	Score	Score	Median	Score	Status
WE4.2	Winter	Total Biomass	7.10E+08	52.63	Fair	1.55E+09	73.01	Good
WE4.2	Winter	Biomass to Abundance Ratio	97.86	42.13	Fair	163.29	65.92	Good
WE4.2	Winter	Margalef Diversity Index	2.34	18.67	Poor	2.72	45.96	Fair
WE4.2	Winter	Diatom Biomass	5.90E+08	58.16	Fair	9.71E+08	64.54	Good
WE4.2	Winter	Dinoflagellate Biomass	7.39E+07	67.66	Poor	4.15E+08	87.06	Poor
WE4.2	Winter	Cyanobacteria Biomass	1.74E+06	84.70	Poor	2.25E+06	91.87	Poor
WE4.2	Winter	Chlorophyte Biomass	5.85E+03	69.57	Good	1.06E+06	89.89	Good
WE4.2	Winter	Cryptophyte Biomass	1.60E+07	66.85	Good	4.40E+07	72.90	Good
WE4.2	Winter	Cyanobacteria Abundance	2.29E+05	90.37	Poor	2.96E+05	94.42	Poor
LE3.6	Winter	Total Biomass	9.01E+08	38.47	Poor	1.06E+09	39.52	Poor
LE3.6	Winter	Biomass to Abundance Ratio	132.80	59.57	Good	87.90	35.51	Poor
LE3.6	Winter	Margalef Diversity Index	2.07	47.04	Fair	1.98	36.81	Poor
LE3.6	Winter	Diatom Biomass	6.16E+08	62.19	Good	9.67E+08	66.37	Good
LE3.6	Winter	Dinoflagellate Biomass	3.65E+07	65.20	Poor	6.61E+07	72.08	Poor
LE3.6	Winter	Cyanobacteria Biomass	1.79E+06	61.81	Poor	2.79E+06	65.10	Poor
LE3.6	Winter	Chlorophyte Biomass	8.71E+05	84.68	Good	7.41E+05	81.56	Good
LE3.6	Winter	Cryptophyte Biomass	1.54E+07	97.06	Good	3.27E+07	97.81	Good
LE3.6	Winter	Cyanobacteria Abundance	2.13E+05	64.93	Poor	3.99E+05	72.06	Poor
CB6.1	Winter	Total Biomass	4.40E+08	23.86	Poor	8.30E+08	33.92	Poor
CB6.1	Winter	Biomass to Abundance Ratio	105.89	50.05	Fair	119.95	49.52	Fair
CB6.1	Winter	Margalef Diversity Index	2.51	75.63	Good	2.84	84.61	Good
CB6.1	Winter	Diatom Biomass	3.86E+08	49.05	Fair	6.65E+08	55.00	Fair
CB6.1	Winter	Dinoflagellate Biomass	2.75E+07	61.29	Poor	4.24E+07	68.43	Poor
CB6.1	Winter	Cyanobacteria Biomass	1.19E+06	59.94	Poor	1.45E+06	62.17	Poor
CB6.1	Winter	Chlorophyte Biomass	1.06E+05	77.42	Good	4.87E+05	80.08	Good
CB6.1	Winter	Cryptophyte Biomass	2.11E+07	97.29	Good	1.60E+07	97.35	Good
CB6.1	Winter	Cyanobacteria Abundance	1.99E+05	64.47	Poor	1.91E+05	67.78	Poor
CB6.4	Winter	Total Biomass	1.18E+09	72.38	Good	1.48E+09	71.66	Good
CB6.4	Winter	Biomass to Abundance Ratio	103.65	45.32	Fair	167.44	67.19	Good
CB6.4	Winter	Margalef Diversity Index	3.08	73.33	Good	2.49	30.06	Poor
CB6.4	Winter	Diatom Biomass	7.17E+08	63.85	Good	1.41E+09	76.37	Good
CB6.4	Winter	Dinoflagellate Biomass	9.81E+07	72.47	Poor	6.58E+07	69.11	Poor
CB6.4	Winter	Cyanobacteria Biomass	1.53E+06	84.21	Poor	1.43E+06	90.83	Poor
CB6.4	Winter	Chlorophyte Biomass	7.25E+05	89.89	Good	1.62E+05	83.96	Good
CB6.4	Winter	Cryptophyte Biomass	1.98E+07	68.18	Good	9.55E+06	63.50	Fair
CB6.4	Winter	Cyanobacteria Abundance	1.99E+05	89.89	Poor	1.88E+05	93.45	Poor
CB7.3E	Winter	Total Biomass	3.67E+08	26.69	Poor	9.39E+08	54.44	Fair
CB7.3E	Winter	Biomass to Abundance Ratio	80.79	32.07	Poor	105.68	42.00	Fair
CB7.3E	Winter	Margalef Diversity Index	2.53	31.00	Poor	2.73	47.14	Fair
CB7.3E	Winter	Diatom Biomass	3.12E+08	38.40	Poor	8.21E+08	58.41	Good
CB7.3E	Winter	Dinoflagellate Biomass	2.31E+07	45.04	Fair	4.06E+07	62.57	Poor
CB7.3E	Winter	Cyanobacteria Biomass	1.88E+06	84.54	Poor	1.05E+06	89.61	Poor
CB7.3E	Winter	Chlorophyte Biomass	1.15E+05	79.41	Good	2.39E+03	61.24	Good
CB7.3E	Winter	Cryptophyte Biomass	1.42E+07	66.07	Fair	1.59E+07	66.78	Good
CB7.3E	Winter	Cyanobacteria Abundance	2.70E+05	90.36	Poor	1.39E+05	92.23	Poor
CB7.4	Winter	Total Biomass	9.03E+08	62.38	Good	1.13E+09	61.19	Good
CB7.4	Winter	Biomass to Abundance Ratio	123.86	54.17	Fair	247.45	82.21	Good
CB7.4	Winter	Margalef Diversity Index	2.34	18.71	Poor	2.96	60.51	Good
CB7.4	Winter	Diatom Biomass	8.31E+08	67.94	Good	1.01E+09	65.77	Good
CB7.4	Winter	Dinoflagellate Biomass	5.34E+07	54.22	Fair	4.52E+07	64.04	Poor
CB7.4	Winter	Cyanobacteria Biomass	1.29E+06	83.52	Poor	4.10E+05	87.21	Poor
CB7.4	Winter	Chlorophyte Biomass	4.88E+05	77.95	Good	3.25E+05	51.80	Fair
CB7.4	Winter	Cryptophyte Biomass	1.40E+07	65.62	Fair	8.81E+06	62.96	Fair
CB7.4	Winter	Cyanobacteria Abundance	1.69E+05	89.30	Poor	5.40E+04	89.82	Poor

Appendix E. Long term trends in phytoplankton bioindicators at all stations and for all seasons, for the period of 1985 through 2004. 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	Percent Change	Direction	Homogeneity test P value
TF5.5	Annual	AP	Total Abundance	0.0029	7.69E+05	2.12E+07	68.76	Increasing	0.0991
TF5.5	Annual	AP	Total Biomass	0.0000	8.00E+07	5.09E+08	298.68	Increasing	0.8890
TF5.5	Annual	AP	Biomass to Abundance Ratio	0.0000	2.114	28.27	142.09	Improving	0.7365
TF5.5	Annual	AP	Margalef Diversity Index	0.3740	0.005	2.39	3.99	No Trend	0.9479
TF5.5	Annual	AP	Diatom Biomass	0.0000	3.99E+07	3.44E+08	220.53	Improving	0.9533
TF5.5	Annual	AP	Dinoflagellate Biomass	0.2617	0	7.00E+05	0.00	No Trend	0.5075
TF5.5	Annual	AP	Cyanobacteria Biomass	0.0000	1.01E+06	1.62E+07	118.13	Degrading	0.6918
TF5.5	Annual	AP	Chlorophyte Biomass	0.0000	2.37E+07	1.37E+07	3293.34	Improving	0.9804
TF5.5	Annual	AP	Cryptophyte Biomass	0.0000	1.38E+06	1.03E+07	254.89	Increasing	0.7966
TF5.5	Annual	AP	Cyanobacteria Abundance	0.0000	2.10E+05	4.51E+06	88.52	Degrading	0.3952
RET5.2	Annual	AP	Total Abundance	0.0739	3.37E+05	7.43E+06	86.06	No Trend	0.0752
RET5.2	Annual	AP	Total Biomass	0.0000	3.23E+07	1.68E+08	365.77	Increasing	0.0275
RET5.2	Annual	AP	Biomass to Abundance Ratio	0.0000	1.572	19.27	154.97	Improving	0.8757
RET5.2	Annual	AP	Margalef Diversity Index	0.0077	-0.020	1.65	-22.65	Degrading	0.7923
RET5.2	Annual	AP	Diatom Biomass	0.0000	1.77E+07	1.18E+08	286.55	Improving	0.0843
RET5.2	Annual	AP	Dinoflagellate Biomass	0.8223	0	4.79E+05	0.00	No Trend	0.5332
RET5.2	Annual	AP	Cyanobacteria Biomass	0.0268	4.26E+05	3.58E+06	226.01	No Trend	0.5313
RET5.2	Annual	AP	Chlorophyte Biomass	0.0000	6.30E+06	1.76E+06	6788.26	Improving	0.2111
RET5.2	Annual	AP	Cryptophyte Biomass	0.0000	1.51E+06	1.44E+07	200.07	Increasing	0.5877
RET5.2	Annual	AP	Cyanobacteria Abundance	0.0815	5.21E+04	7.15E+05	138.57	No Trend	0.2773
LE5.5	Annual	AP	Total Abundance	0.0009	1.32E+05	5.07E+06	52.24	Increasing	0.0743
LE5.5	Annual	AP	Total Biomass	0.0001	1.11E+07	2.35E+08	94.52	Increasing	0.0121
LE5.5	Annual	AP	Biomass to Abundance Ratio	0.0172	0.812	47.31	34.34	No Trend	0.0985
LE5.5	Annual	AP	Margalef Diversity Index	0.5866	-0.005	2.50	-4.12	No Trend	0.2721
LE5.5	Annual	AP	Diatom Biomass	0.0000	8.43E+06	1.61E+08	104.41	Improving	0.0208
LE5.5	Annual	AP	Dinoflagellate Biomass	0.0083	1.24E+06	2.08E+07	119.58	Degrading	0.4772
LE5.5	Annual	AP	Cyanobacteria Biomass	0.0000	3.92E+04	5.08E+02	154365.02	Degrading	0.9177
LE5.5	Annual	AP	Chlorophyte Biomass	0.0001	2.46E+04	5.83E+03	8434.73	Improving	0.8031
LE5.5	Annual	AP	Cryptophyte Biomass	0.2020	2.07E+05	2.02E+07	20.49	No Trend	0.0877
LE5.5	Annual	AP	Cyanobacteria Abundance	0.0000	6.40E+03	1.43E+04	895.84	Degrading	0.9968
SBE5	Annual	AP	Total Abundance	0.0008	1.38E+05	2.55E+06	86.18	Increasing	0.0737
SBE5	Annual	AP	Total Biomass	0.0046	5.33E+06	7.63E+07	111.79	Increasing	0.0021
SBE5	Annual	AP	Biomass to Abundance Ratio	0.1510	0.482	25.78	29.88	No Trend	0.0096
SBE5	Annual	AP	Margalef Diversity Index	0.1297	-0.013	2.40	-8.36	No Trend	0.0302
SBE5	Annual	AP	Diatom Biomass	0.0012	3.73E+06	4.44E+07	134.33	Improving	0.0024
SBE5	Annual	AP	Dinoflagellate Biomass	0.8228	-2.12E+04	8.66E+06	-3.92	No Trend	0.5706
SBE5	Annual	AP	Cyanobacteria Biomass	0.0000	1.18E+05	1.03E+05	1823.01	Degrading	0.9437
SBE5	Annual	AP	Chlorophyte Biomass	0.0077	4.40E+04	2.76E+05	255.27	Improving	0.1619
SBE5	Annual	AP	Cryptophyte Biomass	0.0001	8.09E+05	1.37E+07	94.19	Increasing	0.3428
SBE5	Annual	AP	Cyanobacteria Abundance	0.0000	1.53E+04	7.87E+03	3111.59	Degrading	0.8842

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF4.2	Annual	AP	Total Abundance	0.0000	1.77E+05	3.32E+06	95.95	Increasing	0.8285
TF4.2	Annual	AP	Total Biomass	0.0000	8.05E+06	1.00E+08	144.78	Increasing	0.8037
TF4.2	Annual	AP	Biomass to Abundance Ratio	0.2151	0.493	32.22	27.53	No Trend	0.9487
TF4.2	Annual	AP	Margalef Diversity Index	0.2244	-0.010	1.85	-9.30	No Trend	0.3267
TF4.2	Annual	AP	Diatom Biomass	0.0067	3.34E+06	8.67E+07	69.47	Improving	0.9356
TF4.2	Annual	AP	Dinoflagellate Biomass	0.9696	0	1.55E+05	0.00	No Trend	0.1125
TF4.2	Annual	AP	Cyanobacteria Biomass	0.0000	1.52E+05	3.65E+05	748.33	Degrading	0.0276
TF4.2	Annual	AP	Chlorophyte Biomass	0.0000	5.76E+05	8.71E+05	1190.51	Improving	0.8132
TF4.2	Annual	AP	Cryptophyte Biomass	0.0000	8.46E+05	8.55E+06	178.08	Increasing	0.9613
TF4.2	Annual	AP	Cyanobacteria Abundance	0.0000	2.60E+04	5.84E+04	800.61	Degrading	0.0239
RET4.3	Annual	AP	Total Abundance	0.0000	3.60E+05	7.86E+06	87.17	Increasing	0.8056
RET4.3	Annual	AP	Total Biomass	0.0000	1.61E+07	3.30E+08	93.02	Increasing	0.9462
RET4.3	Annual	AP	Biomass to Abundance Ratio	0.0077	0.554	31.87	33.03	Improving	0.8504
RET4.3	Annual	AP	Margalef Diversity Index	0.4600	-0.004	1.61	-5.26	No Trend	0.0652
RET4.3	Annual	AP	Diatom Biomass	0.0000	1.12E+07	1.85E+08	114.86	Improving	0.5583
RET4.3	Annual	AP	Dinoflagellate Biomass	0.4200	1.26E+05	1.99E+07	11.97	No Trend	0.5668
RET4.3	Annual	AP	Cyanobacteria Biomass	0.0000	3.27E+05	9.01E+05	688.46	Degrading	0.6587
RET4.3	Annual	AP	Chlorophyte Biomass	0.0000	6.30E+05	1.40E+03	852879.12	Improving	0.7615
RET4.3	Annual	AP	Cryptophyte Biomass	0.0001	1.20E+06	1.93E+07	118.30	Increasing	0.3023
RET4.3	Annual	AP	Cyanobacteria Abundance	0.0000	4.76E+04	1.94E+05	465.08	Degrading	0.8648
WE4.2	Annual	AP	Total Abundance	0.0629	7.21E+04	6.09E+06	23.67	No Trend	0.7988
WE4.2	Annual	AP	Total Biomass	0.0238	6.95E+06	3.59E+08	38.72	No Trend	0.3864
WE4.2	Annual	AP	Biomass to Abundance Ratio	0.4840	0.214	45.34	9.43	No Trend	0.5364
WE4.2	Annual	AP	Margalef Diversity Index	0.0065	-0.023	2.61	-17.72	Degrading	0.5223
WE4.2	Annual	AP	Diatom Biomass	0.0003	7.73E+06	1.83E+08	84.31	Improving	0.3325
WE4.2	Annual	AP	Dinoflagellate Biomass	0.1010	8.51E+05	5.18E+07	32.85	No Trend	0.6918
WE4.2	Annual	AP	Cyanobacteria Biomass	0.0000	4.83E+04	0	n.e.	Degrading	0.6345
WE4.2	Annual	AP	Chlorophyte Biomass	0.0002	2.28E+03	7.14E+04	63.88	Improving	0.8455
WE4.2	Annual	AP	Cryptophyte Biomass	0.2937	-1.69E+05	2.33E+07	-14.50	No Trend	0.3212
WE4.2	Annual	AP	Cyanobacteria Abundance	0.0000	6.68E+03	1.54E+03	8699.51	Degrading	0.6796

Appendix E. Continued.

tation	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF3.3	Annual	AP	Total Abundance	0.0000	1.40E+06	4.89E+06	542.49	Increasing	0.6660
TF3.3	Annual	AP	Total Biomass	0.0000	5.30E+07	9.43E+07	1068.15	Increasing	0.3411
TF3.3	Annual	AP	Biomass to Abundance Ratio	0.0000	0.992	22.37	84.23	Improving	0.2397
TF3.3	Annual	AP	Margalef Diversity Index	0.2513	0.007	1.54	8.84	No Trend	0.9925
TF3.3	Annual	AP	Diatom Biomass	0.0000	3.24E+07	7.24E+07	849.07	Improving	0.2801
TF3.3	Annual	AP	Dinoflagellate Biomass	0.0065	2.18E+04	8.81E+05	47.04	Degrading	0.3775
TF3.3	Annual	AP	Cyanobacteria Biomass	0.0000	1.47E+06	1.36E+06	2049.64	Degrading	0.5126
TF3.3	Annual	AP	Chlorophyte Biomass	0.0000	5.94E+06	1.75E+06	6445.24	Improving	0.7069
TF3.3	Annual	AP	Cryptophyte Biomass	0.0000	1.11E+06	1.24E+07	169.37	Increasing	0.9141
TF3.3	Annual	AP	Cyanobacteria Abundance	0.0000	3.73E+05	1.71E+05	4137.35	Degrading	0.8530
RET3.1	Annual	AP	Total Abundance	0.0000	1.00E+06	6.64E+06	286.07	Increasing	0.1808
RET3.1	Annual	AP	Total Biomass	0.0000	3.42E+07	2.01E+08	322.59	Increasing	0.0400
RET3.1	Annual	AP	Biomass to Abundance Ratio	0.0877	0.327	29.08	21.37	No Trend	0.9833
RET3.1	Annual	AP	Margalef Diversity Index	0.4903	-0.004	1.77	-4.14	No Trend	0.7773
RET3.1	Annual	AP	Diatom Biomass	0.0000	1.91E+07	1.18E+08	308.50	Improving	0.2354
RET3.1	Annual	AP	Dinoflagellate Biomass	0.0482	-1.67E+05	2.08E+07	-15.24	No Trend	0.9587
RET3.1	Annual	AP	Cyanobacteria Biomass	0.0000	1.07E+06	1.94E+06	1047.32	Degrading	0.0931
RET3.1	Annual	AP	Chlorophyte Biomass	0.0000	1.37E+06	1.49E+06	1747.33	Improving	0.7660
RET3.1	Annual	AP	Cryptophyte Biomass	0.0000	1.57E+06	2.14E+07	139.78	Increasing	0.0777
RET3.1	Annual	AP	Cyanobacteria Abundance	0.0000	2.16E+05	1.69E+05	2422.23	Degrading	0.5997
LE3.6	Annual	AP	Total Abundance	0.0027	1.62E+05	5.06E+06	64.16	Increasing	0.7184
LE3.6	Annual	AP	Total Biomass	0.0152	9.84E+06	3.78E+08	52.10	No Trend	0.2537
LE3.6	Annual	AP	Biomass to Abundance Ratio	0.8779	0.074	59.35	2.50	No Trend	0.3201
LE3.6	Annual	AP	Margalef Diversity Index	0.5456	-0.004	2.23	-3.83	No Trend	0.5115
LE3.6	Annual	AP	Diatom Biomass	0.0144	5.41E+06	2.25E+08	48.08	No Trend	0.1389
LE3.6	Annual	AP	Dinoflagellate Biomass	0.0001	2.26E+06	2.32E+07	194.87	Degrading	0.6258
LE3.6	Annual	AP	Cyanobacteria Biomass	0.0000	7.85E+04	6.43E+02	244189.96	Degrading	0.4579
LE3.6	Annual	AP	Chlorophyte Biomass	0.0002	1.41E+04	1.87E+05	150.65	Improving	0.8119
LE3.6	Annual	AP	Cryptophyte Biomass	0.4546	1.50E+05	2.72E+07	11.02	No Trend	0.4830
LE3.6	Annual	AP	Cyanobacteria Abundance	0.0000	1.42E+04	2.56E+02	111000.00	Degrading	0.8632

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
CB6.1	Annual	AP	Total Abundance	0.0779	5.96E+04	5.32E+06	22.41	No Trend	0.7530
CB6.1	Annual	AP	Total Biomass	0.0365	7.56E+06	4.22E+08	35.79	No Trend	0.0026
CB6.1	Annual	AP	Biomass to Abundance Ratio	0.3781	0.335	86.60	7.73	No Trend	0.1669
CB6.1	Annual	AP	Margalef Diversity Index	0.8057	0.002	2.33	1.94	No Trend	0.7990
CB6.1	Annual	AP	Diatom Biomass	0.0026	5.88E+06	2.29E+08	51.42	Improving	0.0206
CB6.1	Annual	AP	Dinoflagellate Biomass	0.1456	7.01E+05	3.21E+07	43.65	No Trend	0.0310
CB6.1	Annual	AP	Cyanobacteria Biomass	0.0000	4.50E+04	6.53E+02	137953.89	Degrading	0.8253
CB6.1	Annual	AP	Chlorophyte Biomass	0.0001	2.36E+03	1.40E+05	33.59	Improving	0.8569
CB6.1	Annual	AP	Cryptophyte Biomass	0.4668	-1.60E+05	2.57E+07	-12.41	No Trend	0.7253
CB6.1	Annual	AP	Cyanobacteria Abundance	0.0000	7.10E+03	9.98E+03	1422.29	Degrading	0.4785
CB6.4	Annual	AP	Total Abundance	0.0017	1.21E+05	3.71E+06	65.11	Increasing	0.9636
CB6.4	Annual	AP	Total Biomass	0.0012	9.93E+06	2.22E+08	89.55	Increasing	0.7249
CB6.4	Annual	AP	Biomass to Abundance Ratio	0.4177	0.382	64.60	11.83	No Trend	0.5492
CB6.4	Annual	AP	Margalef Diversity Index	0.0988	-0.010	2.19	-9.43	No Trend	0.2588
CB6.4	Annual	AP	Diatom Biomass	0.0127	4.64E+06	1.62E+08	57.44	No Trend	0.6016
CB6.4	Annual	AP	Dinoflagellate Biomass	0.0000	3.31E+06	3.19E+07	207.65	Degrading	0.7770
CB6.4	Annual	AP	Cyanobacteria Biomass	0.0000	2.71E+04	0	n.e.	Degrading	0.9947
CB6.4	Annual	AP	Chlorophyte Biomass	0.0002	6.78E+02	8.24E+04	16.47	Improving	0.6907
CB6.4	Annual	AP	Cryptophyte Biomass	0.1768	2.54E+05	1.68E+07	30.27	No Trend	0.0397
CB6.4	Annual	AP	Cyanobacteria Abundance	0.0000	6.41E+03	0	n.e.	Degrading	0.6388
CB7.3E	Annual	AP	Total Abundance	0.0002	1.33E+05	3.43E+06	77.47	Increasing	0.5101
CB7.3E	Annual	AP	Total Biomass	0.0004	1.06E+07	2.98E+08	71.42	Increasing	0.1767
CB7.3E	Annual	AP	Biomass to Abundance Ratio	0.6783	0.189	76.67	4.93	No Trend	0.5789
CB7.3E	Annual	AP	Margalef Diversity Index	0.0509	-0.014	2.46	-11.71	No Trend	0.8296
CB7.3E	Annual	AP	Diatom Biomass	0.0003	7.52E+06	1.94E+08	77.67	Improving	0.4175
CB7.3E	Annual	AP	Dinoflagellate Biomass	0.0008	1.66E+06	3.14E+07	105.89	Degrading	0.4258
CB7.3E	Annual	AP	Cyanobacteria Biomass	0.0000	4.05E+04	9.33E+03	8683.85	Degrading	0.9798
CB7.3E	Annual	AP	Chlorophyte Biomass	0.0001	7.31E+02	1.57E+03	931.01	Improving	0.8959
CB7.3E	Annual	AP	Cryptophyte Biomass	0.1753	2.03E+05	1.80E+07	22.57	No Trend	0.4871
CB7.3E	Annual	AP	Cyanobacteria Abundance	0.0000	7.14E+03	8.29E+03	1721.90	Degrading	0.9487
CB7.4	Annual	AP	Total Abundance	0.0000	1.57E+05	2.54E+06	123.86	Increasing	0.9881
CB7.4	Annual	AP	Total Biomass	0.0000	1.35E+07	1.63E+08	165.84	Increasing	0.8461
CB7.4	Annual	AP	Biomass to Abundance Ratio	0.3626	0.469	66.73	14.06	No Trend	0.5550
CB7.4	Annual	AP	Margalef Diversity Index	0.0000	-0.040	2.85	-28.03	Degrading	0.8436
CB7.4	Annual	AP	Diatom Biomass	0.0000	8.96E+06	1.35E+08	132.70	Improving	0.6260
CB7.4	Annual	AP	Dinoflagellate Biomass	0.0003	1.24E+06	1.82E+07	135.72	Degrading	0.4059
CB7.4	Annual	AP	Cyanobacteria Biomass	0.0000	2.16E+04	0	n.e.	Degrading	0.5250
CB7.4	Annual	AP	Chlorophyte Biomass	0.0070	1.04E+02	2.99E+04	6.99	Improving	0.2756
CB7.4	Annual	AP	Cryptophyte Biomass	0.0067	3.80E+05	7.81E+06	97.28	Increasing	0.1337
CB7.4	Annual	AP	Cyanobacteria Abundance	0.0000	7.20E+03	2.40E+02	60025.44	Degrading	0.3592

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF5.5	Fall	AP	Total Abundance	0.0698	1.25E+06	1.44E+07	165.25	No Trend	0.3796
TF5.5	Fall	AP	Total Biomass	0.0017	1.08E+08	6.86E+08	298.60	Increasing	0.5675
TF5.5	Fall	AP	Biomass to Abundance Ratio	0.0004	2.621	34.30	145.20	Improving	0.3175
TF5.5	Fall	AP	Margalef Diversity Index	0.1259	0.027	2.13	23.79	No Trend	0.7804
TF5.5	Fall	AP	Diatom Biomass	0.0174	3.72E+07	4.76E+08	148.57	No Trend	0.6013
TF5.5	Fall	AP	Dinoflagellate Biomass	0.3991	0	1.19E+05	0.00	No Trend	0.0773
TF5.5	Fall	AP	Cyanobacteria Biomass	0.0174	2.59E+06	1.18E+07	415.79	No Trend	0.5056
TF5.5	Fall	AP	Chlorophyte Biomass	0.0000	3.30E+07	8.58E+06	7309.30	Improving	0.7751
TF5.5	Fall	AP	Cryptophyte Biomass	0.0185	1.29E+06	4.25E+06	575.06	No Trend	0.9911
TF5.5	Fall	AP	Cyanobacteria Abundance	0.0285	8.42E+05	5.07E+06	315.39	No Trend	0.3847
RET5.2	Fall	AP	Total Abundance	0.0224	-6.99E+05	1.59E+07	-83.73	No Trend	0.6367
RET5.2	Fall	AP	Total Biomass	0.7956	-1.88E+06	1.95E+08	-18.35	No Trend	0.9012
RET5.2	Fall	AP	Biomass to Abundance Ratio	0.0174	0.998	18.87	100.47	No Trend	0.6576
RET5.2	Fall	AP	Margalef Diversity Index	0.0507	-0.029	1.93	-28.26	No Trend	0.8298
RET5.2	Fall	AP	Diatom Biomass	0.6889	-8.59E+05	1.43E+08	-11.43	No Trend	0.5131
RET5.2	Fall	AP	Dinoflagellate Biomass	0.9037	0	1.08E+05	0.00	No Trend	0.2585
RET5.2	Fall	AP	Cyanobacteria Biomass	0.4654	-1.81E+05	9.53E+06	-36.00	No Trend	0.9594
RET5.2	Fall	AP	Chlorophyte Biomass	0.1147	4.63E+05	5.59E+06	157.55	No Trend	0.4420
RET5.2	Fall	AP	Cryptophyte Biomass	0.3113	5.85E+05	1.30E+07	85.60	No Trend	0.3840
RET5.2	Fall	AP	Cyanobacteria Abundance	0.2120	-1.75E+05	3.98E+06	-83.60	No Trend	0.4863
LE5.5	Fall	AP	Total Abundance	0.0000	2.16E+05	1.60E+06	269.70	Increasing	0.9750
LE5.5	Fall	AP	Total Biomass	0.0023	1.38E+07	6.25E+07	440.65	Increasing	0.0137
LE5.5	Fall	AP	Biomass to Abundance Ratio	0.1732	0.935	33.97	55.07	No Trend	0.0041
LE5.5	Fall	AP	Margalef Diversity Index	0.8629	0.001	2.65	1.04	No Trend	0.0071
LE5.5	Fall	AP	Diatom Biomass	0.0000	1.25E+07	2.14E+07	1171.70	Improving	0.1233
LE5.5	Fall	AP	Dinoflagellate Biomass	0.5019	3.28E+05	1.01E+07	64.67	No Trend	0.6214
LE5.5	Fall	AP	Cyanobacteria Biomass	0.0005	2.35E+04	0	n.e.	Degrading	0.9093
LE5.5	Fall	AP	Chlorophyte Biomass	0.1731	0	2.07E+02	0.00	No Trend	0.9026
LE5.5	Fall	AP	Cryptophyte Biomass	0.2655	3.40E+05	1.93E+07	35.31	No Trend	0.7439
LE5.5	Fall	AP	Cyanobacteria Abundance	0.0010	3.82E+03	0	n.e.	Degrading	0.8629
SBE5	Fall	AP	Total Abundance	0.0002	1.73E+05	1.84E+06	150.02	Increasing	0.2243
SBE5	Fall	AP	Total Biomass	0.0001	7.41E+06	4.14E+07	286.29	Increasing	0.0394
SBE5	Fall	AP	Biomass to Abundance Ratio	0.0426	0.953	23.42	65.15	No Trend	0.0590
SBE5	Fall	AP	Margalef Diversity Index	0.8761	0.003	2.01	2.22	No Trend	0.0790
SBE5	Fall	AP	Diatom Biomass	0.0000	5.34E+06	1.96E+07	436.61	Improving	0.0339
SBE5	Fall	AP	Dinoflagellate Biomass	0.3233	1.54E+05	2.80E+06	87.76	No Trend	0.2770
SBE5	Fall	AP	Cyanobacteria Biomass	0.0001	8.03E+04	1.20E+04	10699.99	Degrading	0.4638
SBE5	Fall	AP	Chlorophyte Biomass	0.1642	2.40E+04	1.01E+05	379.67	No Trend	0.2531
SBE5	Fall	AP	Cryptophyte Biomass	0.0109	8.94E+05	9.54E+06	149.98	No Trend	0.0795
SBE5	Fall	AP	Cyanobacteria Abundance	0.0039	1.07E+04	3.52E+03	4844.14	Degrading	0.2818

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF4.2	Fall	AP	Total Abundance	0.1054	9.15E+04	3.08E+06	53.43	No Trend	0.9348
TF4.2	Fall	AP	Total Biomass	0.0680	4.64E+06	7.44E+07	112.38	No Trend	0.9010
TF4.2	Fall	AP	Biomass to Abundance Ratio	0.9385	0.086	24.59	6.33	No Trend	0.8831
TF4.2	Fall	AP	Margalef Diversity Index	0.1429	0.016	1.79	16.05	No Trend	0.8176
TF4.2	Fall	AP	Diatom Biomass	0.5205	1.37E+06	6.37E+07	38.84	No Trend	0.9309
TF4.2	Fall	AP	Dinoflagellate Biomass	0.9121	0	9.16E+03	0.00	No Trend	0.8023
TF4.2	Fall	AP	Cyanobacteria Biomass	0.0073	9.30E+04	4.37E+05	382.93	Degrading	0.4246
TF4.2	Fall	AP	Chlorophyte Biomass	0.0022	1.92E+05	1.03E+06	334.05	Improving	0.6156
TF4.2	Fall	AP	Cryptophyte Biomass	0.0026	1.00E+06	9.59E+06	188.24	Increasing	0.7047
TF4.2	Fall	AP	Cyanobacteria Abundance	0.0371	1.90E+04	1.30E+05	262.63	No Trend	0.3510
RET4.3	Fall	AP	Total Abundance	0.0015	4.99E+05	4.18E+06	227.24	Increasing	0.5746
RET4.3	Fall	AP	Total Biomass	0.0009	2.22E+07	9.35E+07	450.77	Increasing	0.8288
RET4.3	Fall	AP	Biomass to Abundance Ratio	0.0453	0.793	22.93	65.67	No Trend	0.9555
RET4.3	Fall	AP	Margalef Diversity Index	0.2684	0.008	1.35	11.11	No Trend	0.6551
RET4.3	Fall	AP	Diatom Biomass	0.0002	1.71E+07	4.05E+07	802.18	Improving	0.4174
RET4.3	Fall	AP	Dinoflagellate Biomass	0.2389	3.94E+05	3.00E+06	248.94	No Trend	0.4810
RET4.3	Fall	AP	Cyanobacteria Biomass	0.0224	4.63E+05	9.17E+06	95.87	No Trend	0.6497
RET4.3	Fall	AP	Chlorophyte Biomass	0.0000	5.06E+05	1.40E+03	684416.55	Improving	0.4887
RET4.3	Fall	AP	Cryptophyte Biomass	0.0629	1.55E+06	2.59E+07	113.48	No Trend	0.2074
RET4.3	Fall	AP	Cyanobacteria Abundance	0.0068	1.08E+05	6.25E+05	328.68	Degrading	0.6948
WE4.2	Fall	AP	Total Abundance	0.0440	1.71E+05	4.01E+06	85.29	No Trend	0.7619
WE4.2	Fall	AP	Total Biomass	0.1113	6.89E+06	1.47E+08	93.84	No Trend	0.0723
WE4.2	Fall	AP	Biomass to Abundance Ratio	0.9236	0.074	38.95	3.78	No Trend	0.4721
WE4.2	Fall	AP	Margalef Diversity Index	0.0224	-0.032	2.38	-26.67	No Trend	0.7888
WE4.2	Fall	AP	Diatom Biomass	0.0003	1.17E+07	2.30E+07	1018.06	Improving	0.8110
WE4.2	Fall	AP	Dinoflagellate Biomass	0.2914	1.08E+06	2.90E+07	74.93	No Trend	0.1465
WE4.2	Fall	AP	Cyanobacteria Biomass	0.0000	2.64E+04	9.80E+02	53873.74	Degrading	0.2009
WE4.2	Fall	AP	Chlorophyte Biomass	0.0218	0	2.33E+04	0.00	No Trend	0.4704
WE4.2	Fall	AP	Cryptophyte Biomass	0.6590	-2.13E+05	4.10E+07	-10.38	No Trend	0.8287
WE4.2	Fall	AP	Cyanobacteria Abundance	0.0000	2.76E+03	2.11E+03	2621.71	Degrading	0.8880

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF3.3	Fall	AP	Total Abundance	0.0000	1.42E+06	4.15E+06	650.94	Increasing	0.9562
TF3.3	Fall	AP	Total Biomass	0.0000	3.25E+07	7.69E+07	802.27	Increasing	0.3642
TF3.3	Fall	AP	Biomass to Abundance Ratio	0.1380	0.626	20.20	58.90	No Trend	0.2227
TF3.3	Fall	AP	Margalef Diversity Index	0.9063	-0.001	1.46	-1.21	No Trend	0.7429
TF3.3	Fall	AP	Diatom Biomass	0.0000	2.19E+07	2.88E+07	1449.20	Improving	0.2892
TF3.3	Fall	AP	Dinoflagellate Biomass	1.0000	0	2.38E+06	0.00	No Trend	0.7958
TF3.3	Fall	AP	Cyanobacteria Biomass	0.0015	1.06E+06	9.35E+05	2143.75	Degrading	0.3415
TF3.3	Fall	AP	Chlorophyte Biomass	0.0001	3.59E+06	8.12E+05	8401.63	Improving	0.2898
TF3.3	Fall	AP	Cryptophyte Biomass	0.0090	1.05E+06	2.22E+07	90.04	Increasing	0.4413
TF3.3	Fall	AP	Cyanobacteria Abundance	0.0002	3.07E+05	2.44E+05	2390.55	Degrading	0.5433
RET3.1	Fall	AP	Total Abundance	0.0159	5.86E+05	5.60E+06	198.75	No Trend	0.4212
RET3.1	Fall	AP	Total Biomass	0.0181	1.87E+07	1.42E+08	250.69	No Trend	0.1510
RET3.1	Fall	AP	Biomass to Abundance Ratio	0.2278	0.350	22.34	29.79	No Trend	0.4856
RET3.1	Fall	AP	Margalef Diversity Index	0.7722	-0.006	1.77	-6.18	No Trend	0.7348
RET3.1	Fall	AP	Diatom Biomass	0.0139	1.02E+07	6.03E+07	321.92	No Trend	0.1599
RET3.1	Fall	AP	Dinoflagellate Biomass	0.3591	-2.19E+05	1.89E+07	-22.04	No Trend	0.9664
RET3.1	Fall	AP	Cyanobacteria Biomass	0.0010	8.73E+05	8.98E+05	1846.01	Degrading	0.5304
RET3.1	Fall	AP	Chlorophyte Biomass	0.0098	3.54E+05	1.49E+06	450.07	Improving	0.5615
RET3.1	Fall	AP	Cryptophyte Biomass	0.3110	7.03E+05	2.39E+07	55.91	No Trend	0.0979
RET3.1	Fall	AP	Cyanobacteria Abundance	0.0001	1.74E+05	1.21E+05	2723.15	Degrading	0.9709
LE3.6	Fall	AP	Total Abundance	0.0590	1.81E+05	2.29E+06	158.23	No Trend	0.5283
LE3.6	Fall	AP	Total Biomass	0.3063	6.88E+06	1.15E+08	119.78	No Trend	0.3114
LE3.6	Fall	AP	Biomass to Abundance Ratio	0.6940	0.242	36.24	13.34	No Trend	0.1840
LE3.6	Fall	AP	Margalef Diversity Index	0.8134	0.006	2.09	5.59	No Trend	0.1505
LE3.6	Fall	AP	Diatom Biomass	0.0118	8.68E+06	3.52E+07	494.03	No Trend	0.7481
LE3.6	Fall	AP	Dinoflagellate Biomass	0.5551	7.17E+05	1.49E+07	95.98	No Trend	0.2874
LE3.6	Fall	AP	Cyanobacteria Biomass	0.0000	7.03E+04	0	n.e.	Degrading	0.9541
LE3.6	Fall	AP	Chlorophyte Biomass	0.0381	0	0	n.e.	No Trend	0.3730
LE3.6	Fall	AP	Cryptophyte Biomass	0.9529	-2.27E+04	2.78E+07	-1.64	No Trend	0.6331
LE3.6	Fall	AP	Cyanobacteria Abundance	0.0000	8.74E+03	0	n.e.	Degrading	0.9119

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
CB6.1	Fall	AP	Total Abundance	0.1585	5.59E+04	3.31E+06	33.74	No Trend	0.3996
CB6.1	Fall	AP	Total Biomass	0.2426	1.26E+07	1.46E+08	172.51	No Trend	0.0000
CB6.1	Fall	AP	Biomass to Abundance Ratio	0.3754	0.741	31.93	46.43	No Trend	0.0231
CB6.1	Fall	AP	Margalef Diversity Index	0.2948	-0.014	2.33	-12.09	No Trend	0.2315
CB6.1	Fall	AP	Diatom Biomass	0.0174	7.91E+06	9.23E+07	171.43	No Trend	0.0047
CB6.1	Fall	AP	Dinoflagellate Biomass	0.6004	-1.02E+06	4.04E+07	-50.70	No Trend	0.0543
CB6.1	Fall	AP	Cyanobacteria Biomass	0.0000	1.96E+04	0	n.e.	Degrading	0.8539
CB6.1	Fall	AP	Chlorophyte Biomass	0.0545	0	0	n.e.	No Trend	0.7341
CB6.1	Fall	AP	Cryptophyte Biomass	0.9839	4.71E+03	2.88E+07	0.33	No Trend	0.6767
CB6.1	Fall	AP	Cyanobacteria Abundance	0.0013	4.02E+02	6.77E+03	118.83	Degrading	0.9572
CB6.4	Fall	AP	Total Abundance	0.0570	1.10E+05	2.53E+06	87.12	No Trend	0.4268
CB6.4	Fall	AP	Total Biomass	0.1520	6.16E+06	1.37E+08	90.17	No Trend	0.1073
CB6.4	Fall	AP	Biomass to Abundance Ratio	0.5962	0.441	35.45	24.91	No Trend	0.3464
CB6.4	Fall	AP	Margalef Diversity Index	0.0158	-0.031	2.23	-27.74	No Trend	0.3418
CB6.4	Fall	AP	Diatom Biomass	0.0102	6.37E+06	4.94E+07	257.88	No Trend	0.1534
CB6.4	Fall	AP	Dinoflagellate Biomass	0.1636	1.67E+06	3.19E+07	104.80	No Trend	0.2999
CB6.4	Fall	AP	Cyanobacteria Biomass	0.0002	2.56E+03	0	n.e.	Degrading	0.7367
CB6.4	Fall	AP	Chlorophyte Biomass	0.4707	0	5.08E+04	0.00	No Trend	0.3474
CB6.4	Fall	AP	Cryptophyte Biomass	0.4211	-3.17E+05	3.02E+07	-20.96	No Trend	0.8933
CB6.4	Fall	AP	Cyanobacteria Abundance	0.0001	1.29E+03	0	n.e.	Degrading	0.4379
CB7.3E	Fall	AP	Total Abundance	0.0092	1.80E+05	2.18E+06	165.62	Increasing	0.8958
CB7.3E	Fall	AP	Total Biomass	0.1277	8.05E+06	1.56E+08	103.36	No Trend	0.0994
CB7.3E	Fall	AP	Biomass to Abundance Ratio	0.6885	-0.488	89.16	-10.94	No Trend	0.1189
CB7.3E	Fall	AP	Margalef Diversity Index	0.7183	-0.005	2.35	-4.25	No Trend	0.5723
CB7.3E	Fall	AP	Diatom Biomass	0.0006	1.10E+07	7.56E+07	290.51	Improving	0.7361
CB7.3E	Fall	AP	Dinoflagellate Biomass	0.9680	2.02E+04	2.35E+07	1.71	No Trend	0.6271
CB7.3E	Fall	AP	Cyanobacteria Biomass	0.0000	2.36E+04	0	n.e.	Degrading	0.6929
CB7.3E	Fall	AP	Chlorophyte Biomass	0.0413	0	0	n.e.	No Trend	0.8370
CB7.3E	Fall	AP	Cryptophyte Biomass	0.6305	1.35E+05	1.64E+07	16.44	No Trend	0.4990
CB7.3E	Fall	AP	Cyanobacteria Abundance	0.0001	2.86E+03	6.28E+03	909.05	Degrading	0.4654
CB7.4	Fall	AP	Total Abundance	0.0021	1.46E+05	1.96E+06	149.34	Increasing	0.7636
CB7.4	Fall	AP	Total Biomass	0.0158	9.40E+06	1.13E+08	166.07	No Trend	0.3202
CB7.4	Fall	AP	Biomass to Abundance Ratio	0.3169	0.919	48.11	38.21	No Trend	0.0833
CB7.4	Fall	AP	Margalef Diversity Index	0.0266	-0.038	3.18	-24.09	No Trend	0.5022
CB7.4	Fall	AP	Diatom Biomass	0.0050	8.07E+06	6.47E+07	249.42	Improving	0.7141
CB7.4	Fall	AP	Dinoflagellate Biomass	0.1034	8.27E+05	1.59E+07	104.34	No Trend	0.4066
CB7.4	Fall	AP	Cyanobacteria Biomass	0.0000	3.35E+04	0	n.e.	Degrading	0.3918
CB7.4	Fall	AP	Chlorophyte Biomass	0.0224	8.39E+03	9.54E+04	175.79	No Trend	0.5757
CB7.4	Fall	AP	Cryptophyte Biomass	0.6803	1.61E+05	1.49E+07	21.73	No Trend	0.2914
CB7.4	Fall	AP	Cyanobacteria Abundance	0.0007	7.46E+03	0	n.e.	Degrading	0.2364

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF5.5	Spring1	AP	Total Abundance	0.6939	1.77E+05	1.75E+07	19.29	No Trend	0.0024
TF5.5	Spring1	AP	Total Biomass	0.0002	6.40E+07	4.06E+08	299.72	Increasing	0.2992
TF5.5	Spring1	AP	Biomass to Abundance Ratio	0.0000	3.145	26.89	222.24	Improving	0.2282
TF5.5	Spring1	AP	Margalef Diversity Index	0.4943	0.005	2.00	4.39	No Trend	0.8207
TF5.5	Spring1	AP	Diatom Biomass	0.0052	3.81E+07	3.73E+08	194.10	Improving	0.3166
TF5.5	Spring1	AP	Dinoflagellate Biomass	0.6152	0	4.58E+05	0.00	No Trend	0.8096
TF5.5	Spring1	AP	Cyanobacteria Biomass	0.0783	3.46E+05	7.70E+06	85.37	No Trend	0.2486
TF5.5	Spring1	AP	Chlorophyte Biomass	0.0000	1.60E+07	1.17E+06	25916.55	Improving	0.3589
TF5.5	Spring1	AP	Cryptophyte Biomass	0.0715	6.62E+05	1.31E+07	96.11	No Trend	0.2743
TF5.5	Spring1	AP	Cyanobacteria Abundance	0.0011	1.03E+05	3.78E+05	516.67	Degrading	0.0600
RET5.2	Spring1	AP	Total Abundance	0.1268	4.24E+05	6.74E+06	119.46	No Trend	0.6568
RET5.2	Spring1	AP	Total Biomass	0.0000	5.40E+07	1.66E+08	618.31	Increasing	0.5483
RET5.2	Spring1	AP	Biomass to Abundance Ratio	0.0003	2.296	25.92	168.35	Improving	0.8874
RET5.2	Spring1	AP	Margalef Diversity Index	0.6715	-0.004	1.41	-5.85	No Trend	0.9253
RET5.2	Spring1	AP	Diatom Biomass	0.0008	2.09E+07	9.43E+07	420.51	Improving	0.5358
RET5.2	Spring1	AP	Dinoflagellate Biomass	0.4307	0	0	n.e.	No Trend	0.0578
RET5.2	Spring1	AP	Cyanobacteria Biomass	0.0981	4.10E+05	1.26E+06	617.70	No Trend	0.3911
RET5.2	Spring1	AP	Chlorophyte Biomass	0.0000	1.32E+07	1.84E+05	135765.77	Improving	0.3706
RET5.2	Spring1	AP	Cryptophyte Biomass	0.0003	1.91E+06	1.08E+07	334.94	Increasing	0.9119
RET5.2	Spring1	AP	Cyanobacteria Abundance	0.0620	5.30E+04	1.71E+05	589.30	No Trend	0.5663
LE5.5	Spring1	AP	Total Abundance	0.9517	6.29E+03	8.93E+06	1.34	No Trend	0.0836
LE5.5	Spring1	AP	Total Biomass	0.9196	8.19E+05	7.18E+08	2.17	No Trend	0.1584
LE5.5	Spring1	AP	Biomass to Abundance Ratio	0.6714	0.339	66.65	9.67	No Trend	0.4869
LE5.5	Spring1	AP	Margalef Diversity Index	0.8557	0.003	2.38	2.48	No Trend	0.5639
LE5.5	Spring1	AP	Diatom Biomass	0.8876	-6.58E+05	6.29E+08	-1.99	No Trend	0.2188
LE5.5	Spring1	AP	Dinoflagellate Biomass	0.2844	1.62E+06	2.41E+07	127.87	No Trend	0.5548
LE5.5	Spring1	AP	Cyanobacteria Biomass	0.0036	7.77E+04	2.73E+05	541.42	Degrading	0.9988
LE5.5	Spring1	AP	Chlorophyte Biomass	0.0247	1.30E+05	6.25E+05	394.51	No Trend	0.2552
LE5.5	Spring1	AP	Cryptophyte Biomass	0.1515	5.88E+05	2.04E+07	54.66	No Trend	0.0175
LE5.5	Spring1	AP	Cyanobacteria Abundance	0.0021	1.10E+04	6.46E+04	322.93	Degrading	0.8568
SBE5	Spring1	AP	Total Abundance	0.8353	-4.61E+04	2.56E+06	-28.84	No Trend	0.5888
SBE5	Spring1	AP	Total Biomass	0.0544	-7.50E+06	1.02E+08	-117.71	No Trend	0.9271
SBE5	Spring1	AP	Biomass to Abundance Ratio	0.0426	-1.564	41.11	-60.89	No Trend	0.4781
SBE5	Spring1	AP	Margalef Diversity Index	0.1070	-0.031	2.78	-17.62	No Trend	0.0029
SBE5	Spring1	AP	Diatom Biomass	0.0962	-5.74E+06	6.83E+07	-134.60	No Trend	0.7820
SBE5	Spring1	AP	Dinoflagellate Biomass	0.0613	-9.73E+05	1.43E+07	-108.79	No Trend	0.9000
SBE5	Spring1	AP	Cyanobacteria Biomass	0.0156	8.05E+04	1.18E+05	1090.31	No Trend	0.7635
SBE5	Spring1	AP	Chlorophyte Biomass	0.0481	1.86E+05	1.96E+06	151.40	No Trend	0.1138
SBE5	Spring1	AP	Cryptophyte Biomass	0.0093	1.21E+06	1.10E+07	176.43	Increasing	0.2019
SBE5	Spring1	AP	Cyanobacteria Abundance	0.0054	1.68E+04	3.06E+04	879.37	Degrading	0.8399

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF4.2	Spring1	AP	Total Abundance	0.1639	8.65E+04	4.39E+06	35.49	No Trend	0.6082
TF4.2	Spring1	AP	Total Biomass	0.0879	4.65E+06	1.25E+08	67.18	No Trend	0.5122
TF4.2	Spring1	AP	Biomass to Abundance Ratio	0.3456	0.542	38.75	25.16	No Trend	0.5934
TF4.2	Spring1	AP	Margalef Diversity Index	0.1059	-0.019	1.74	-19.70	No Trend	0.7179
TF4.2	Spring1	AP	Diatom Biomass	0.1160	3.26E+06	1.09E+08	53.82	No Trend	0.6163
TF4.2	Spring1	AP	Dinoflagellate Biomass	0.0912	0	2.47E+05	0.00	No Trend	0.4160
TF4.2	Spring1	AP	Cyanobacteria Biomass	0.0000	1.72E+05	3.43E+03	90322.84	Degrading	0.7723
TF4.2	Spring1	AP	Chlorophyte Biomass	0.0010	2.43E+05	3.75E+05	1167.89	Improving	0.2517
TF4.2	Spring1	AP	Cryptophyte Biomass	0.0482	5.38E+05	8.08E+06	119.94	No Trend	0.9712
TF4.2	Spring1	AP	Cyanobacteria Abundance	0.0000	3.01E+04	1.82E+03	29805.08	Degrading	0.9554
RET4.3	Spring1	AP	Total Abundance	0.1760	2.83E+05	7.67E+06	69.97	No Trend	0.7664
RET4.3	Spring1	AP	Total Biomass	0.0455	1.30E+07	3.58E+08	68.93	No Trend	0.7346
RET4.3	Spring1	AP	Biomass to Abundance Ratio	0.2666	0.699	35.58	37.33	No Trend	0.4909
RET4.3	Spring1	AP	Margalef Diversity Index	0.2666	0.009	1.61	10.64	No Trend	0.4016
RET4.3	Spring1	AP	Diatom Biomass	0.0072	1.34E+07	1.23E+08	207.41	Improving	0.9695
RET4.3	Spring1	AP	Dinoflagellate Biomass	1.0000	0	8.59E+07	0.00	No Trend	0.3244
RET4.3	Spring1	AP	Cyanobacteria Biomass	0.0000	2.47E+05	3.13E+05	1498.40	Degrading	0.3665
RET4.3	Spring1	AP	Chlorophyte Biomass	0.0002	9.31E+05	0	n.e.	Improving	0.4195
RET4.3	Spring1	AP	Cryptophyte Biomass	0.0092	1.19E+06	2.25E+07	100.85	Increasing	0.4775
RET4.3	Spring1	AP	Cyanobacteria Abundance	0.0001	2.62E+04	5.74E+04	866.80	Degrading	0.7717
WE4.2	Spring1	AP	Total Abundance	0.2064	1.48E+05	7.85E+06	35.78	No Trend	0.6871
WE4.2	Spring1	AP	Total Biomass	0.4435	7.80E+06	5.95E+08	24.88	No Trend	0.9682
WE4.2	Spring1	AP	Biomass to Abundance Ratio	0.3303	-1.212	67.72	-34.00	No Trend	0.9524
WE4.2	Spring1	AP	Margalef Diversity Index	0.3102	-0.020	2.58	-14.50	No Trend	0.5014
WE4.2	Spring1	AP	Diatom Biomass	0.5760	5.37E+06	4.54E+08	22.49	No Trend	0.9867
WE4.2	Spring1	AP	Dinoflagellate Biomass	0.2723	1.62E+06	6.63E+07	46.45	No Trend	0.3213
WE4.2	Spring1	AP	Cyanobacteria Biomass	0.0031	5.66E+04	2.25E+04	4769.56	Degrading	0.8043
WE4.2	Spring1	AP	Chlorophyte Biomass	0.0372	4.39E+04	2.28E+05	365.95	No Trend	0.5886
WE4.2	Spring1	AP	Cryptophyte Biomass	0.7877	-7.45E+04	2.03E+07	-6.98	No Trend	0.8616
WE4.2	Spring1	AP	Cyanobacteria Abundance	0.0013	1.15E+04	2.17E+04	1009.28	Degrading	0.2646

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF3.3	Spring1	AP	Total Abundance	0.0000	8.64E+05	3.53E+06	465.51	Increasing	0.8049
TF3.3	Spring1	AP	Total Biomass	0.0000	4.90E+07	8.99E+07	1035.89	Increasing	0.2936
TF3.3	Spring1	AP	Biomass to Abundance Ratio	0.0050	1.648	23.99	130.51	Improving	0.0244
TF3.3	Spring1	AP	Margalef Diversity Index	0.8876	0.003	1.58	3.20	No Trend	0.9414
TF3.3	Spring1	AP	Diatom Biomass	0.0000	3.07E+07	7.80E+07	746.81	Improving	0.2627
TF3.3	Spring1	AP	Dinoflagellate Biomass	0.5520	0	2.01E+05	0.00	No Trend	0.8805
TF3.3	Spring1	AP	Cyanobacteria Biomass	0.0002	7.30E+05	1.89E+06	733.26	Degrading	0.7442
TF3.3	Spring1	AP	Chlorophyte Biomass	0.0000	4.86E+06	2.82E+06	3273.28	Improving	0.4372
TF3.3	Spring1	AP	Cryptophyte Biomass	0.1018	7.22E+05	6.76E+06	202.82	No Trend	0.9023
TF3.3	Spring1	AP	Cyanobacteria Abundance	0.0000	2.57E+05	2.88E+05	1697.60	Degrading	0.8384
RET3.1	Spring1	AP	Total Abundance	0.0003	9.53E+05	6.28E+06	288.30	Increasing	0.0457
RET3.1	Spring1	AP	Total Biomass	0.0030	4.04E+07	4.48E+08	171.45	Increasing	0.0469
RET3.1	Spring1	AP	Biomass to Abundance Ratio	0.5312	0.286	63.50	8.55	No Trend	0.6119
RET3.1	Spring1	AP	Margalef Diversity Index	0.6422	-0.005	1.90	-4.78	No Trend	0.0452
RET3.1	Spring1	AP	Diatom Biomass	0.0375	1.36E+07	3.14E+08	82.19	No Trend	0.1125
RET3.1	Spring1	AP	Dinoflagellate Biomass	0.4043	-4.63E+04	5.16E+07	-1.70	No Trend	0.4378
RET3.1	Spring1	AP	Cyanobacteria Biomass	0.0004	7.57E+05	1.85E+06	779.07	Degrading	0.0279
RET3.1	Spring1	AP	Chlorophyte Biomass	0.0000	3.13E+06	1.04E+06	5698.28	Improving	0.4606
RET3.1	Spring1	AP	Cryptophyte Biomass	0.0003	2.30E+06	8.25E+06	530.06	Increasing	0.2247
RET3.1	Spring1	AP	Cyanobacteria Abundance	0.0001	9.24E+04	1.43E+05	1228.95	Degrading	0.1475
LE3.6	Spring1	AP	Total Abundance	0.1164	2.30E+05	9.37E+06	46.60	No Trend	0.9125
LE3.6	Spring1	AP	Total Biomass	0.8274	-3.50E+06	8.45E+08	-7.86	No Trend	0.1547
LE3.6	Spring1	AP	Biomass to Abundance Ratio	0.0404	-2.355	99.78	-44.84	No Trend	0.5290
LE3.6	Spring1	AP	Margalef Diversity Index	0.7936	-0.005	2.13	-4.48	No Trend	0.1815
LE3.6	Spring1	AP	Diatom Biomass	0.5415	-8.37E+06	7.27E+08	-21.89	No Trend	0.0922
LE3.6	Spring1	AP	Dinoflagellate Biomass	0.0020	2.45E+06	1.44E+07	322.91	Degrading	0.3024
LE3.6	Spring1	AP	Cyanobacteria Biomass	0.0513	2.96E+04	2.82E+05	199.80	No Trend	0.2712
LE3.6	Spring1	AP	Chlorophyte Biomass	0.1829	4.30E+04	8.29E+05	98.40	No Trend	0.6806
LE3.6	Spring1	AP	Cryptophyte Biomass	0.1019	6.03E+05	2.32E+07	49.26	No Trend	0.1012
LE3.6	Spring1	AP	Cyanobacteria Abundance	0.0067	9.93E+03	5.16E+04	365.55	Degrading	0.2754

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
CB6.1	Spring1	AP	Total Abundance	0.6862	3.66E+04	1.00E+07	6.94	No Trend	0.4162
CB6.1	Spring1	AP	Total Biomass	0.5097	5.38E+06	8.41E+08	12.15	No Trend	0.7567
CB6.1	Spring1	AP	Biomass to Abundance Ratio	0.6862	-0.592	88.62	-12.69	No Trend	0.8743
CB6.1	Spring1	AP	Margalef Diversity Index	0.7822	0.004	2.06	3.49	No Trend	0.5084
CB6.1	Spring1	AP	Diatom Biomass	0.7822	2.16E+06	7.89E+08	5.19	No Trend	0.6805
CB6.1	Spring1	AP	Dinoflagellate Biomass	0.0001	3.50E+06	1.28E+07	518.67	Degrading	0.2594
CB6.1	Spring1	AP	Cyanobacteria Biomass	0.0125	1.93E+04	1.01E+05	362.62	No Trend	0.9780
CB6.1	Spring1	AP	Chlorophyte Biomass	0.1717	1.30E+04	2.73E+05	90.93	No Trend	0.9903
CB6.1	Spring1	AP	Cryptophyte Biomass	0.9153	2.80E+04	1.71E+07	3.11	No Trend	0.9980
CB6.1	Spring1	AP	Cyanobacteria Abundance	0.0491	2.16E+03	1.35E+05	30.45	No Trend	0.8048
CB6.4	Spring1	AP	Total Abundance	0.0296	1.65E+05	3.78E+06	82.86	No Trend	0.6916
CB6.4	Spring1	AP	Total Biomass	0.1203	1.80E+07	3.31E+08	103.33	No Trend	0.6515
CB6.4	Spring1	AP	Biomass to Abundance Ratio	0.2064	-0.887	108.82	-15.49	No Trend	0.6751
CB6.4	Spring1	AP	Margalef Diversity Index	0.8521	-0.001	2.13	-1.01	No Trend	0.8296
CB6.4	Spring1	AP	Diatom Biomass	0.3731	1.07E+07	3.21E+08	63.29	No Trend	0.6642
CB6.4	Spring1	AP	Dinoflagellate Biomass	0.0003	4.06E+06	8.88E+06	869.20	Degrading	0.7542
CB6.4	Spring1	AP	Cyanobacteria Biomass	0.0007	1.68E+04	0	n.e.	Degrading	0.7088
CB6.4	Spring1	AP	Chlorophyte Biomass	0.0035	1.29E+05	4.67E+04	5271.85	Improving	0.2541
CB6.4	Spring1	AP	Cryptophyte Biomass	0.1414	4.72E+05	1.38E+07	64.91	No Trend	0.1607
CB6.4	Spring1	AP	Cyanobacteria Abundance	0.0323	2.78E+03	8.13E+04	64.92	No Trend	0.2507
CB7.3E	Spring1	AP	Total Abundance	0.1542	1.08E+05	5.22E+06	39.25	No Trend	0.5556
CB7.3E	Spring1	AP	Total Biomass	0.5097	4.99E+06	6.86E+08	13.83	No Trend	0.4165
CB7.3E	Spring1	AP	Biomass to Abundance Ratio	0.5374	-0.766	93.13	-15.63	No Trend	0.9556
CB7.3E	Spring1	AP	Margalef Diversity Index	0.2781	-0.016	2.55	-11.58	No Trend	0.9534
CB7.3E	Spring1	AP	Diatom Biomass	0.9153	2.71E+05	6.37E+08	0.81	No Trend	0.4332
CB7.3E	Spring1	AP	Dinoflagellate Biomass	0.0114	2.90E+06	5.10E+07	107.96	No Trend	0.7201
CB7.3E	Spring1	AP	Cyanobacteria Biomass	0.0000	5.15E+04	1.27E+05	770.09	Degrading	0.6621
CB7.3E	Spring1	AP	Chlorophyte Biomass	0.1309	4.50E+02	9.33E+04	9.16	No Trend	0.6039
CB7.3E	Spring1	AP	Cryptophyte Biomass	0.4438	-2.35E+05	2.06E+07	-21.61	No Trend	0.6671
CB7.3E	Spring1	AP	Cyanobacteria Abundance	0.0001	1.05E+04	1.17E+04	1708.53	Degrading	0.7038
CB7.4	Spring1	AP	Total Abundance	0.0479	2.18E+05	5.13E+06	80.85	No Trend	0.8405
CB7.4	Spring1	AP	Total Biomass	0.1542	1.05E+07	4.63E+08	43.00	No Trend	0.8296
CB7.4	Spring1	AP	Biomass to Abundance Ratio	0.3832	-1.073	89.31	-22.82	No Trend	0.9939
CB7.4	Spring1	AP	Margalef Diversity Index	0.0182	-0.031	2.62	-22.80	No Trend	0.3782
CB7.4	Spring1	AP	Diatom Biomass	0.5950	4.92E+06	4.23E+08	22.09	No Trend	0.9309
CB7.4	Spring1	AP	Dinoflagellate Biomass	0.0027	2.96E+06	2.65E+07	212.30	Degrading	0.1792
CB7.4	Spring1	AP	Cyanobacteria Biomass	0.0004	9.54E+04	9.80E+02	184993.35	Degrading	0.8696
CB7.4	Spring1	AP	Chlorophyte Biomass	0.5713	0	1.03E+03	0.00	No Trend	0.9348
CB7.4	Spring1	AP	Cryptophyte Biomass	0.0850	4.64E+05	1.16E+07	75.85	No Trend	0.5292
CB7.4	Spring1	AP	Cyanobacteria Abundance	0.0005	1.42E+04	1.44E+02	187466.67	Degrading	0.5738

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF5.5	Spring2	AP	Total Abundance	0.4685	-4.13E+05	3.59E+07	-21.85	No Trend	0.1270
TF5.5	Spring2	AP	Total Biomass	0.0003	7.98E+07	5.24E+08	288.98	Increasing	0.3549
TF5.5	Spring2	AP	Biomass to Abundance Ratio	0.0000	3.018	18.87	303.90	Improving	0.4632
TF5.5	Spring2	AP	Margalef Diversity Index	0.3958	0.007	2.63	4.94	No Trend	0.9218
TF5.5	Spring2	AP	Diatom Biomass	0.0154	3.24E+07	4.58E+08	134.56	No Trend	0.6025
TF5.5	Spring2	AP	Dinoflagellate Biomass	0.4792	3.65E+03	8.68E+05	7.98	No Trend	0.9036
TF5.5	Spring2	AP	Cyanobacteria Biomass	0.1530	4.06E+05	2.48E+07	31.18	No Trend	0.2773
TF5.5	Spring2	AP	Chlorophyte Biomass	0.0000	2.61E+07	2.07E+07	2398.03	Improving	0.8658
TF5.5	Spring2	AP	Cryptophyte Biomass	0.0541	8.53E+05	1.45E+07	111.43	No Trend	0.2230
TF5.5	Spring2	AP	Cyanobacteria Abundance	0.1414	9.33E+04	2.75E+06	64.41	No Trend	0.5953
RET5.2	Spring2	AP	Total Abundance	0.0660	7.51E+05	1.34E+07	106.37	No Trend	0.4909
RET5.2	Spring2	AP	Total Biomass	0.0000	6.95E+07	2.69E+08	491.34	Increasing	0.5521
RET5.2	Spring2	AP	Biomass to Abundance Ratio	0.0001	1.889	18.38	195.23	Improving	0.7122
RET5.2	Spring2	AP	Margalef Diversity Index	0.2334	-0.017	1.36	-23.95	No Trend	0.7553
RET5.2	Spring2	AP	Diatom Biomass	0.0004	3.27E+07	1.88E+08	330.53	Improving	0.4606
RET5.2	Spring2	AP	Dinoflagellate Biomass	0.1523	0	3.40E+06	0.00	No Trend	0.5949
RET5.2	Spring2	AP	Cyanobacteria Biomass	0.0277	8.18E+05	1.33E+06	1166.27	No Trend	0.7740
RET5.2	Spring2	AP	Chlorophyte Biomass	0.0000	1.05E+07	7.72E+05	25762.84	Improving	0.5387
RET5.2	Spring2	AP	Cryptophyte Biomass	0.0001	2.91E+06	1.58E+07	350.66	Increasing	0.6882
RET5.2	Spring2	AP	Cyanobacteria Abundance	0.0307	1.49E+05	4.51E+05	626.92	No Trend	0.8620
LE5.5	Spring2	AP	Total Abundance	0.1634	1.27E+05	5.51E+06	43.93	No Trend	0.5807
LE5.5	Spring2	AP	Total Biomass	0.0339	1.15E+07	3.77E+08	58.05	No Trend	0.6342
LE5.5	Spring2	AP	Biomass to Abundance Ratio	0.2844	0.780	54.96	26.97	No Trend	0.1853
LE5.5	Spring2	AP	Margalef Diversity Index	0.2844	-0.018	2.50	-13.98	No Trend	0.7262
LE5.5	Spring2	AP	Diatom Biomass	0.2032	5.25E+06	3.31E+08	30.09	No Trend	0.9663
LE5.5	Spring2	AP	Dinoflagellate Biomass	0.2496	1.46E+06	2.35E+07	117.86	No Trend	0.5063
LE5.5	Spring2	AP	Cyanobacteria Biomass	0.0016	7.21E+04	5.93E+05	231.05	Degrading	0.9556
LE5.5	Spring2	AP	Chlorophyte Biomass	0.0557	1.57E+05	3.32E+05	899.23	No Trend	0.3022
LE5.5	Spring2	AP	Cryptophyte Biomass	0.0550	9.37E+05	2.05E+07	86.64	No Trend	0.0650
LE5.5	Spring2	AP	Cyanobacteria Abundance	0.0003	1.05E+04	4.67E+04	429.09	Degrading	0.8725
SBE5	Spring2	AP	Total Abundance	0.0771	1.98E+05	2.23E+06	142.22	No Trend	0.1717
SBE5	Spring2	AP	Total Biomass	0.8353	2.17E+06	8.67E+07	39.99	No Trend	0.0239
SBE5	Spring2	AP	Biomass to Abundance Ratio	0.0093	-1.279	35.84	-57.12	Degrading	0.7694
SBE5	Spring2	AP	Margalef Diversity Index	0.0036	-0.056	2.53	-35.19	Degrading	0.0268
SBE5	Spring2	AP	Diatom Biomass	0.9172	2.30E+05	5.10E+07	7.22	No Trend	0.0377
SBE5	Spring2	AP	Dinoflagellate Biomass	0.1316	-4.44E+05	1.11E+07	-64.19	No Trend	0.6649
SBE5	Spring2	AP	Cyanobacteria Biomass	0.0100	9.59E+04	3.61E+05	424.90	Degrading	0.7082
SBE5	Spring2	AP	Chlorophyte Biomass	0.3901	3.18E+04	1.34E+06	38.13	No Trend	0.2572
SBE5	Spring2	AP	Cryptophyte Biomass	0.0080	1.76E+06	1.36E+07	205.95	Increasing	0.1992
SBE5	Spring2	AP	Cyanobacteria Abundance	0.0068	1.98E+04	3.06E+04	1035.17	Degrading	0.8664

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF4.2	Spring2	AP	Total Abundance	0.0047	2.02E+05	2.54E+06	143.46	Increasing	0.3095
TF4.2	Spring2	AP	Total Biomass	0.0062	1.08E+07	9.72E+07	199.36	Increasing	0.6045
TF4.2	Spring2	AP	Biomass to Abundance Ratio	0.2811	0.607	34.18	31.94	No Trend	0.6761
TF4.2	Spring2	AP	Margalef Diversity Index	0.3016	-0.015	1.81	-14.86	No Trend	0.4366
TF4.2	Spring2	AP	Diatom Biomass	0.0482	3.83E+06	7.82E+07	88.03	No Trend	0.8268
TF4.2	Spring2	AP	Dinoflagellate Biomass	0.9629	0	3.46E+05	0.00	No Trend	0.1548
TF4.2	Spring2	AP	Cyanobacteria Biomass	0.0000	2.72E+05	2.23E+04	22019.91	Degrading	0.9270
TF4.2	Spring2	AP	Chlorophyte Biomass	0.0000	5.13E+05	2.54E+05	3641.22	Improving	0.2247
TF4.2	Spring2	AP	Cryptophyte Biomass	0.0388	6.61E+05	8.11E+06	146.58	No Trend	0.9480
TF4.2	Spring2	AP	Cyanobacteria Abundance	0.0000	5.24E+04	4.29E+03	21993.68	Degrading	0.8429
RET4.3	Spring2	AP	Total Abundance	0.2217	2.23E+05	6.70E+06	63.34	No Trend	0.8461
RET4.3	Spring2	AP	Total Biomass	0.0154	1.59E+07	2.17E+08	138.75	No Trend	0.5037
RET4.3	Spring2	AP	Biomass to Abundance Ratio	0.0934	0.971	33.73	54.70	No Trend	0.8464
RET4.3	Spring2	AP	Margalef Diversity Index	0.6636	0.004	1.61	4.31	No Trend	0.2982
RET4.3	Spring2	AP	Diatom Biomass	0.1107	7.14E+06	1.23E+08	110.37	No Trend	0.3628
RET4.3	Spring2	AP	Dinoflagellate Biomass	0.4810	4.76E+05	2.86E+07	31.58	No Trend	0.4061
RET4.3	Spring2	AP	Cyanobacteria Biomass	0.0001	4.72E+05	5.92E+05	1515.95	Degrading	0.3965
RET4.3	Spring2	AP	Chlorophyte Biomass	0.0000	1.11E+06	1.78E+05	11850.86	Improving	0.2412
RET4.3	Spring2	AP	Cryptophyte Biomass	0.2064	6.58E+05	2.25E+07	55.64	No Trend	0.3175
RET4.3	Spring2	AP	Cyanobacteria Abundance	0.0000	5.10E+04	5.75E+04	1686.51	Degrading	0.7687
WE4.2	Spring2	AP	Total Abundance	0.0783	1.81E+05	8.66E+06	39.71	No Trend	0.9299
WE4.2	Spring2	AP	Total Biomass	0.1530	1.17E+07	4.48E+08	49.59	No Trend	0.7967
WE4.2	Spring2	AP	Biomass to Abundance Ratio	0.9505	0.108	66.17	3.10	No Trend	0.4625
WE4.2	Spring2	AP	Margalef Diversity Index	0.2546	-0.020	2.56	-14.61	No Trend	0.4069
WE4.2	Spring2	AP	Diatom Biomass	0.5208	5.18E+06	3.18E+08	30.94	No Trend	0.9622
WE4.2	Spring2	AP	Dinoflagellate Biomass	0.7877	3.72E+05	8.06E+07	8.77	No Trend	0.8429
WE4.2	Spring2	AP	Cyanobacteria Biomass	0.0001	9.67E+04	1.37E+04	13382.93	Degrading	0.6192
WE4.2	Spring2	AP	Chlorophyte Biomass	0.0126	4.39E+04	3.00E+05	278.67	No Trend	0.5889
WE4.2	Spring2	AP	Cryptophyte Biomass	0.2064	5.95E+05	1.82E+07	62.29	No Trend	0.2394
WE4.2	Spring2	AP	Cyanobacteria Abundance	0.0000	2.00E+04	2.03E+04	1873.37	Degrading	0.4335

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF3.3	Spring2	AP	Total Abundance	0.0000	1.47E+06	4.34E+06	644.72	Increasing	0.1796
TF3.3	Spring2	AP	Total Biomass	0.0000	9.18E+07	9.74E+07	1790.68	Increasing	0.1817
TF3.3	Spring2	AP	Biomass to Abundance Ratio	0.0031	1.437	21.63	126.22	Improving	0.0246
TF3.3	Spring2	AP	Margalef Diversity Index	0.5208	0.008	1.62	9.25	No Trend	0.6959
TF3.3	Spring2	AP	Diatom Biomass	0.0000	5.36E+07	7.24E+07	1407.24	Improving	0.6545
TF3.3	Spring2	AP	Dinoflagellate Biomass	0.4019	2.81E+03	8.36E+05	6.38	No Trend	0.9590
TF3.3	Spring2	AP	Cyanobacteria Biomass	0.0000	1.44E+06	1.47E+06	1860.56	Degrading	0.1098
TF3.3	Spring2	AP	Chlorophyte Biomass	0.0000	1.42E+07	3.71E+06	7254.98	Improving	0.9905
TF3.3	Spring2	AP	Cryptophyte Biomass	0.1253	7.68E+05	2.10E+07	69.54	No Trend	0.9361
TF3.3	Spring2	AP	Cyanobacteria Abundance	0.0000	4.69E+05	8.29E+04	10747.52	Degrading	0.5181
RET3.1	Spring2	AP	Total Abundance	0.0002	1.55E+06	7.30E+06	404.09	Increasing	0.0425
RET3.1	Spring2	AP	Total Biomass	0.0004	4.27E+07	2.63E+08	307.82	Increasing	0.0325
RET3.1	Spring2	AP	Biomass to Abundance Ratio	0.4943	0.219	35.47	11.73	No Trend	0.6127
RET3.1	Spring2	AP	Margalef Diversity Index	0.9835	0	1.58	-0.32	No Trend	0.0592
RET3.1	Spring2	AP	Diatom Biomass	0.0018	2.13E+07	1.99E+08	203.62	Improving	0.1425
RET3.1	Spring2	AP	Dinoflagellate Biomass	0.1689	-1.96E+05	6.15E+07	-6.04	No Trend	0.4630
RET3.1	Spring2	AP	Cyanobacteria Biomass	0.0000	1.64E+06	9.66E+05	3217.65	Degrading	0.0829
RET3.1	Spring2	AP	Chlorophyte Biomass	0.0000	4.64E+06	8.86E+05	9944.30	Improving	0.7444
RET3.1	Spring2	AP	Cryptophyte Biomass	0.0129	1.99E+06	1.34E+07	281.43	No Trend	0.0355
RET3.1	Spring2	AP	Cyanobacteria Abundance	0.0000	3.64E+05	1.01E+05	6824.72	Degrading	0.2954
LE3.6	Spring2	AP	Total Abundance	0.1908	1.98E+05	8.70E+06	43.30	No Trend	0.7753
LE3.6	Spring2	AP	Total Biomass	0.1501	1.20E+07	5.62E+08	40.73	No Trend	0.8344
LE3.6	Spring2	AP	Biomass to Abundance Ratio	0.5415	-0.306	82.61	-7.03	No Trend	0.6387
LE3.6	Spring2	AP	Margalef Diversity Index	0.2953	-0.017	2.17	-14.71	No Trend	0.7149
LE3.6	Spring2	AP	Diatom Biomass	0.2390	7.86E+06	4.61E+08	32.41	No Trend	0.8295
LE3.6	Spring2	AP	Dinoflagellate Biomass	0.0670	1.97E+06	2.82E+07	132.86	No Trend	0.9210
LE3.6	Spring2	AP	Cyanobacteria Biomass	0.0083	5.95E+04	4.09E+05	276.41	Degrading	0.1656
LE3.6	Spring2	AP	Chlorophyte Biomass	0.2206	7.14E+04	8.29E+05	163.47	No Trend	0.7017
LE3.6	Spring2	AP	Cryptophyte Biomass	0.7108	-9.54E+04	2.61E+07	-6.95	No Trend	0.7315
LE3.6	Spring2	AP	Cyanobacteria Abundance	0.0025	1.75E+04	4.68E+04	712.19	Degrading	0.3578

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
CB6.1	Spring2	AP	Total Abundance	0.1311	1.73E+05	6.09E+06	54.00	No Trend	0.4387
CB6.1	Spring2	AP	Total Biomass	0.4567	6.40E+06	7.63E+08	15.94	No Trend	0.8062
CB6.1	Spring2	AP	Biomass to Abundance Ratio	0.6862	-0.587	82.12	-13.58	No Trend	0.8743
CB6.1	Spring2	AP	Margalef Diversity Index	0.6862	-0.004	2.19	-3.34	No Trend	0.6487
CB6.1	Spring2	AP	Diatom Biomass	0.3605	4.23E+06	6.53E+08	12.30	No Trend	0.7864
CB6.1	Spring2	AP	Dinoflagellate Biomass	0.0530	2.57E+06	2.08E+07	235.11	No Trend	0.0422
CB6.1	Spring2	AP	Cyanobacteria Biomass	0.0012	9.57E+04	9.74E+04	1867.03	Degrading	0.7245
CB6.1	Spring2	AP	Chlorophyte Biomass	0.0212	1.99E+04	4.70E+04	803.76	No Trend	0.4243
CB6.1	Spring2	AP	Cryptophyte Biomass	0.8150	-1.63E+05	2.52E+07	-12.26	No Trend	0.8855
CB6.1	Spring2	AP	Cyanobacteria Abundance	0.0006	2.53E+04	1.35E+05	356.62	Degrading	0.0320
CB6.4	Spring2	AP	Total Abundance	0.0267	1.95E+05	4.69E+06	78.85	No Trend	0.7234
CB6.4	Spring2	AP	Total Biomass	0.0491	1.44E+07	3.36E+08	81.23	No Trend	0.8839
CB6.4	Spring2	AP	Biomass to Abundance Ratio	0.8847	-0.212	95.95	-4.20	No Trend	0.7016
CB6.4	Spring2	AP	Margalef Diversity Index	0.2064	-0.013	2.19	-11.51	No Trend	0.6817
CB6.4	Spring2	AP	Diatom Biomass	0.3731	7.08E+06	3.00E+08	44.77	No Trend	0.6642
CB6.4	Spring2	AP	Dinoflagellate Biomass	0.0007	5.27E+06	1.80E+07	554.83	Degrading	0.8432
CB6.4	Spring2	AP	Cyanobacteria Biomass	0.0015	2.37E+04	1.96E+03	23014.09	Degrading	0.8575
CB6.4	Spring2	AP	Chlorophyte Biomass	0.0956	6.21E+04	1.99E+05	593.72	No Trend	0.6262
CB6.4	Spring2	AP	Cryptophyte Biomass	0.1782	7.28E+05	1.50E+07	92.09	No Trend	0.1604
CB6.4	Spring2	AP	Cyanobacteria Abundance	0.0158	1.04E+04	1.36E+05	144.71	No Trend	0.1370
CB7.3E	Spring2	AP	Total Abundance	0.0584	2.12E+05	5.56E+06	72.58	No Trend	0.7205
CB7.3E	Spring2	AP	Total Biomass	0.1107	1.58E+07	4.56E+08	65.90	No Trend	0.7090
CB7.3E	Spring2	AP	Biomass to Abundance Ratio	0.6552	-0.526	74.97	-13.33	No Trend	0.9772
CB7.3E	Spring2	AP	Margalef Diversity Index	0.1205	-0.020	2.61	-14.44	No Trend	0.9475
CB7.3E	Spring2	AP	Diatom Biomass	0.3175	4.88E+06	3.79E+08	24.46	No Trend	0.7800
CB7.3E	Spring2	AP	Dinoflagellate Biomass	0.0204	2.51E+06	4.15E+07	115.07	No Trend	0.7960
CB7.3E	Spring2	AP	Cyanobacteria Biomass	0.0000	1.00E+05	7.71E+04	2471.13	Degrading	0.6360
CB7.3E	Spring2	AP	Chlorophyte Biomass	0.0130	2.43E+04	0	n.e.	No Trend	0.1768
CB7.3E	Spring2	AP	Cryptophyte Biomass	0.6398	1.24E+05	2.22E+07	10.58	No Trend	0.7464
CB7.3E	Spring2	AP	Cyanobacteria Abundance	0.0000	2.83E+04	1.00E+04	5363.59	Degrading	0.9518
CB7.4	Spring2	AP	Total Abundance	0.0584	1.55E+05	5.77E+06	50.99	No Trend	0.8365
CB7.4	Spring2	AP	Total Biomass	0.1669	6.78E+06	4.32E+08	29.78	No Trend	0.8107
CB7.4	Spring2	AP	Biomass to Abundance Ratio	0.3832	-0.937	60.99	-29.20	No Trend	0.9939
CB7.4	Spring2	AP	Margalef Diversity Index	0.0002	-0.055	2.80	-37.23	Degrading	0.4903
CB7.4	Spring2	AP	Diatom Biomass	0.6247	2.59E+06	3.94E+08	12.48	No Trend	0.9114
CB7.4	Spring2	AP	Dinoflagellate Biomass	0.2597	8.71E+05	1.92E+07	86.10	No Trend	0.2479
CB7.4	Spring2	AP	Cyanobacteria Biomass	0.0000	1.05E+05	3.43E+03	57998.48	Degrading	0.9449
CB7.4	Spring2	AP	Chlorophyte Biomass	0.8799	0	1.23E+05	0.00	No Trend	0.8408
CB7.4	Spring2	AP	Cryptophyte Biomass	0.2096	4.09E+05	1.16E+07	66.80	No Trend	0.8107
CB7.4	Spring2	AP	Cyanobacteria Abundance	0.0001	1.61E+04	2.73E+04	1123.54	Degrading	0.6713

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF5.5	Summer1	AP	Total Abundance	0.0422	2.65E+06	4.15E+07	121.36	No Trend	0.8951
TF5.5	Summer1	AP	Total Biomass	0.0000	1.29E+08	1.04E+09	234.99	Increasing	0.5602
TF5.5	Summer1	AP	Biomass to Abundance Ratio	0.0002	1.092	21.85	94.96	Improving	0.7170
TF5.5	Summer1	AP	Margalef Diversity Index	1.0000	0	2.40	-0.03	No Trend	0.7437
TF5.5	Summer1	AP	Diatom Biomass	0.0009	5.25E+07	6.32E+08	157.74	Improving	0.8675
TF5.5	Summer1	AP	Dinoflagellate Biomass	0.3699	1.82E+04	9.76E+05	35.47	No Trend	0.3801
TF5.5	Summer1	AP	Cyanobacteria Biomass	0.0691	5.87E+06	8.17E+07	136.55	No Trend	0.9972
TF5.5	Summer1	AP	Chlorophyte Biomass	0.0000	5.08E+07	6.64E+07	1454.01	Improving	0.9071
TF5.5	Summer1	AP	Cryptophyte Biomass	0.0010	1.66E+06	1.48E+07	213.46	Increasing	0.5579
TF5.5	Summer1	AP	Cyanobacteria Abundance	0.1756	1.20E+06	1.80E+07	126.45	No Trend	0.9663
RET5.2	Summer1	AP	Total Abundance	0.0271	6.78E+05	7.29E+06	176.76	No Trend	0.5009
RET5.2	Summer1	AP	Total Biomass	0.0002	4.41E+07	1.53E+08	548.47	Increasing	0.4026
RET5.2	Summer1	AP	Biomass to Abundance Ratio	0.0004	1.260	17.16	139.56	Improving	0.2821
RET5.2	Summer1	AP	Margalef Diversity Index	0.0154	-0.033	1.93	-32.15	No Trend	0.7705
RET5.2	Summer1	AP	Diatom Biomass	0.0013	2.66E+07	1.11E+08	457.94	Improving	0.3286
RET5.2	Summer1	AP	Dinoflagellate Biomass	0.6939	3.40E+03	1.80E+06	3.58	No Trend	0.7677
RET5.2	Summer1	AP	Cyanobacteria Biomass	0.0325	2.02E+06	5.66E+06	677.71	No Trend	0.5390
RET5.2	Summer1	AP	Chlorophyte Biomass	0.0001	8.12E+06	4.83E+06	3197.61	Improving	0.6988
RET5.2	Summer1	AP	Cryptophyte Biomass	0.0009	1.54E+06	1.54E+07	190.27	Increasing	0.3770
RET5.2	Summer1	AP	Cyanobacteria Abundance	0.1994	1.85E+05	1.89E+06	186.30	No Trend	0.3240
LE5.5	Summer1	AP	Total Abundance	0.0772	1.30E+05	6.21E+06	41.70	No Trend	0.7586
LE5.5	Summer1	AP	Total Biomass	0.0010	1.36E+07	2.54E+08	106.87	Increasing	0.1863
LE5.5	Summer1	AP	Biomass to Abundance Ratio	0.1508	0.671	47.50	28.26	No Trend	0.2919
LE5.5	Summer1	AP	Margalef Diversity Index	0.2410	-0.014	2.53	-11.42	No Trend	0.8005
LE5.5	Summer1	AP	Diatom Biomass	0.0035	8.11E+06	1.74E+08	93.03	Improving	0.3361
LE5.5	Summer1	AP	Dinoflagellate Biomass	0.0533	2.09E+06	3.47E+07	120.78	No Trend	0.2080
LE5.5	Summer1	AP	Cyanobacteria Biomass	0.0000	3.96E+04	2.75E+02	288076.56	Degrading	0.6982
LE5.5	Summer1	AP	Chlorophyte Biomass	0.0347	1.33E+04	0	n.e.	No Trend	0.4229
LE5.5	Summer1	AP	Cryptophyte Biomass	0.1705	-3.90E+05	2.99E+07	-26.02	No Trend	0.8377
LE5.5	Summer1	AP	Cyanobacteria Abundance	0.0000	7.10E+03	1.83E+04	777.57	Degrading	0.9949
SBE5	Summer1	AP	Total Abundance	0.0343	2.61E+05	4.02E+06	104.06	No Trend	0.1603
SBE5	Summer1	AP	Total Biomass	0.0103	8.45E+06	1.03E+08	131.04	No Trend	0.3688
SBE5	Summer1	AP	Biomass to Abundance Ratio	0.1628	0.615	24.21	40.65	No Trend	0.0752
SBE5	Summer1	AP	Margalef Diversity Index	0.2241	-0.020	1.78	-18.41	No Trend	0.4747
SBE5	Summer1	AP	Diatom Biomass	0.0192	4.79E+06	5.90E+07	129.97	No Trend	0.6079
SBE5	Summer1	AP	Dinoflagellate Biomass	0.7871	1.68E+05	7.08E+06	37.94	No Trend	0.9374
SBE5	Summer1	AP	Cyanobacteria Biomass	0.0001	2.64E+05	7.98E+05	528.35	Degrading	0.9945
SBE5	Summer1	AP	Chlorophyte Biomass	0.5711	1.44E+03	1.92E+04	119.87	No Trend	0.1622
SBE5	Summer1	AP	Cryptophyte Biomass	0.0343	8.71E+05	1.57E+07	88.70	No Trend	0.9024
SBE5	Summer1	AP	Cyanobacteria Abundance	0.0449	3.02E+04	4.98E+05	96.95	No Trend	0.6124

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF4.2	Summer1	AP	Total Abundance	0.0004	3.42E+05	9.42E+06	65.43	Increasing	0.3300
TF4.2	Summer1	AP	Total Biomass	0.0004	1.90E+07	1.89E+08	180.53	Increasing	0.2720
TF4.2	Summer1	AP	Biomass to Abundance Ratio	0.2045	0.746	31.59	42.50	No Trend	0.5864
TF4.2	Summer1	AP	Margalef Diversity Index	0.2045	-0.022	2.16	-18.62	No Trend	0.1529
TF4.2	Summer1	AP	Diatom Biomass	0.0507	4.47E+06	1.38E+08	58.40	No Trend	0.3653
TF4.2	Summer1	AP	Dinoflagellate Biomass	0.1523	4.08E+04	3.22E+05	228.51	No Trend	0.0212
TF4.2	Summer1	AP	Cyanobacteria Biomass	0.2857	1.20E+05	9.70E+06	22.28	No Trend	0.0262
TF4.2	Summer1	AP	Chlorophyte Biomass	0.0000	2.33E+06	7.82E+06	535.61	Improving	0.6324
TF4.2	Summer1	AP	Cryptophyte Biomass	0.0004	1.22E+06	7.07E+06	309.66	Increasing	0.5046
TF4.2	Summer1	AP	Cyanobacteria Abundance	0.9518	4.22E+03	4.53E+06	1.68	No Trend	0.1148
RET4.3	Summer1	AP	Total Abundance	0.0195	4.99E+05	1.36E+07	69.65	No Trend	0.3835
RET4.3	Summer1	AP	Total Biomass	0.0215	1.39E+07	4.19E+08	62.84	No Trend	0.6391
RET4.3	Summer1	AP	Biomass to Abundance Ratio	0.2991	0.207	31.87	12.36	No Trend	0.3459
RET4.3	Summer1	AP	Margalef Diversity Index	0.0287	-0.022	1.77	-23.44	No Trend	0.2577
RET4.3	Summer1	AP	Diatom Biomass	0.3349	4.56E+06	3.10E+08	27.94	No Trend	0.7716
RET4.3	Summer1	AP	Dinoflagellate Biomass	0.9261	1.24E+04	3.38E+07	0.70	No Trend	0.1943
RET4.3	Summer1	AP	Cyanobacteria Biomass	0.0076	8.54E+05	4.77E+06	340.31	Degrading	0.6301
RET4.3	Summer1	AP	Chlorophyte Biomass	0.0000	7.61E+05	5.16E+05	2802.85	Improving	0.5741
RET4.3	Summer1	AP	Cryptophyte Biomass	0.0538	9.44E+05	2.16E+07	82.96	No Trend	0.0856
RET4.3	Summer1	AP	Cyanobacteria Abundance	0.0123	7.29E+04	4.38E+05	316.44	No Trend	0.4414
WE4.2	Summer1	AP	Total Abundance	0.3138	4.84E+04	6.59E+06	14.67	No Trend	0.9359
WE4.2	Summer1	AP	Total Biomass	0.0576	1.02E+07	2.55E+08	79.70	No Trend	0.6815
WE4.2	Summer1	AP	Biomass to Abundance Ratio	0.1246	1.028	43.04	47.75	No Trend	0.3635
WE4.2	Summer1	AP	Margalef Diversity Index	0.3299	-0.018	2.36	-15.07	No Trend	0.0820
WE4.2	Summer1	AP	Diatom Biomass	0.0105	7.35E+06	1.51E+08	97.61	No Trend	0.6733
WE4.2	Summer1	AP	Dinoflagellate Biomass	0.8300	2.43E+05	7.18E+07	6.76	No Trend	0.8067
WE4.2	Summer1	AP	Cyanobacteria Biomass	0.0000	6.27E+04	0	n.e.	Degrading	0.3676
WE4.2	Summer1	AP	Chlorophyte Biomass	0.0247	1.10E+04	4.81E+04	458.55	No Trend	0.6626
WE4.2	Summer1	AP	Cryptophyte Biomass	0.2155	-5.62E+05	3.38E+07	-33.29	No Trend	0.0111
WE4.2	Summer1	AP	Cyanobacteria Abundance	0.0000	8.86E+03	1.02E+04	1745.48	Degrading	0.1829

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF3.3	Summer1	AP	Total Abundance	0.0000	2.82E+06	6.37E+06	842.39	Increasing	0.4538
TF3.3	Summer1	AP	Total Biomass	0.0000	1.01E+08	1.32E+08	1455.30	Increasing	0.9506
TF3.3	Summer1	AP	Biomass to Abundance Ratio	0.0061	0.810	22.51	68.38	Improving	0.9178
TF3.3	Summer1	AP	Margalef Diversity Index	0.1943	0.015	1.72	16.74	No Trend	0.9122
TF3.3	Summer1	AP	Diatom Biomass	0.0000	5.38E+07	8.00E+07	1277.57	Improving	0.9651
TF3.3	Summer1	AP	Dinoflagellate Biomass	0.0002	6.81E+05	1.28E+06	1011.15	Degrading	0.4302
TF3.3	Summer1	AP	Cyanobacteria Biomass	0.0000	7.35E+06	1.10E+06	12685.96	Degrading	0.4024
TF3.3	Summer1	AP	Chlorophyte Biomass	0.0000	1.34E+07	3.81E+06	6681.22	Improving	0.8309
TF3.3	Summer1	AP	Cryptophyte Biomass	0.0273	1.40E+06	1.34E+07	198.60	No Trend	0.4151
TF3.3	Summer1	AP	Cyanobacteria Abundance	0.0000	1.34E+06	7.38E+04	34398.43	Degrading	0.3659
RET3.1	Summer1	AP	Total Abundance	0.0000	1.68E+06	7.99E+06	399.03	Increasing	0.9908
RET3.1	Summer1	AP	Total Biomass	0.0000	4.96E+07	2.61E+08	360.43	Increasing	0.5191
RET3.1	Summer1	AP	Biomass to Abundance Ratio	0.3349	0.271	32.95	15.65	No Trend	0.8401
RET3.1	Summer1	AP	Margalef Diversity Index	0.9409	0	1.89	-0.38	No Trend	0.9985
RET3.1	Summer1	AP	Diatom Biomass	0.0000	2.82E+07	1.60E+08	334.51	Improving	0.9968
RET3.1	Summer1	AP	Dinoflagellate Biomass	0.3345	-1.40E+05	2.65E+07	-10.07	No Trend	0.6057
RET3.1	Summer1	AP	Cyanobacteria Biomass	0.0000	3.94E+06	2.77E+06	2703.16	Degrading	0.9554
RET3.1	Summer1	AP	Chlorophyte Biomass	0.0000	2.31E+06	1.49E+06	2943.86	Improving	0.6982
RET3.1	Summer1	AP	Cryptophyte Biomass	0.0287	1.58E+06	2.65E+07	113.04	No Trend	0.3719
RET3.1	Summer1	AP	Cyanobacteria Abundance	0.0000	7.19E+05	8.26E+05	1654.90	Degrading	0.9133
LE3.6	Summer1	AP	Total Abundance	0.0106	2.27E+05	5.73E+06	79.15	No Trend	0.6381
LE3.6	Summer1	AP	Total Biomass	0.0025	1.59E+07	3.38E+08	94.24	Increasing	0.9612
LE3.6	Summer1	AP	Biomass to Abundance Ratio	0.5674	0.505	55.71	18.13	No Trend	0.9926
LE3.6	Summer1	AP	Margalef Diversity Index	0.7365	-0.004	2.54	-3.14	No Trend	0.6021
LE3.6	Summer1	AP	Diatom Biomass	0.0203	5.87E+06	1.84E+08	63.77	No Trend	0.9384
LE3.6	Summer1	AP	Dinoflagellate Biomass	0.0106	5.99E+06	7.69E+07	155.89	No Trend	0.8637
LE3.6	Summer1	AP	Cyanobacteria Biomass	0.0001	1.61E+05	7.48E+04	4299.25	Degrading	0.9568
LE3.6	Summer1	AP	Chlorophyte Biomass	0.0379	4.26E+04	2.80E+05	304.66	No Trend	0.4158
LE3.6	Summer1	AP	Cryptophyte Biomass	0.8138	-1.22E+05	4.29E+07	-5.69	No Trend	0.6063
LE3.6	Summer1	AP	Cyanobacteria Abundance	0.0002	3.35E+04	2.49E+04	2692.24	Degrading	0.8078

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
CB6.1	Summer1	AP	Total Abundance	0.0862	1.14E+05	4.81E+06	47.52	No Trend	0.7526
CB6.1	Summer1	AP	Total Biomass	0.0169	9.94E+06	4.02E+08	49.44	No Trend	0.4457
CB6.1	Summer1	AP	Biomass to Abundance Ratio	0.3637	0.535	81.87	13.06	No Trend	0.6834
CB6.1	Summer1	AP	Margalef Diversity Index	0.5674	0.007	2.57	5.40	No Trend	0.8362
CB6.1	Summer1	AP	Diatom Biomass	0.0031	6.71E+06	1.06E+08	126.72	Improving	0.6649
CB6.1	Summer1	AP	Dinoflagellate Biomass	0.7113	-5.53E+05	4.45E+07	-24.84	No Trend	0.9162
CB6.1	Summer1	AP	Cyanobacteria Biomass	0.0000	1.09E+05	1.02E+05	2137.18	Degrading	0.7138
CB6.1	Summer1	AP	Chlorophyte Biomass	0.0004	5.94E+04	1.17E+05	1018.70	Improving	0.6278
CB6.1	Summer1	AP	Cryptophyte Biomass	0.0802	-8.48E+05	2.98E+07	-56.99	No Trend	0.8004
CB6.1	Summer1	AP	Cyanobacteria Abundance	0.0000	2.41E+04	5.33E+04	906.13	Degrading	0.3619
CB6.4	Summer1	AP	Total Abundance	0.0953	1.11E+05	3.13E+06	70.68	No Trend	0.9706
CB6.4	Summer1	AP	Total Biomass	0.0305	1.02E+07	1.81E+08	112.75	No Trend	0.8887
CB6.4	Summer1	AP	Biomass to Abundance Ratio	0.1604	1.077	59.94	35.94	No Trend	0.9883
CB6.4	Summer1	AP	Margalef Diversity Index	0.5858	-0.009	2.18	-8.17	No Trend	0.1506
CB6.4	Summer1	AP	Diatom Biomass	0.4574	1.97E+06	7.67E+07	51.35	No Trend	0.7749
CB6.4	Summer1	AP	Dinoflagellate Biomass	0.0064	5.54E+06	4.63E+07	238.90	Degrading	0.7837
CB6.4	Summer1	AP	Cyanobacteria Biomass	0.0000	5.49E+04	0	n.e.	Degrading	0.8748
CB6.4	Summer1	AP	Chlorophyte Biomass	0.0435	3.89E+04	1.31E+05	592.03	No Trend	0.7658
CB6.4	Summer1	AP	Cryptophyte Biomass	0.9342	-9.88E+04	3.04E+07	-6.50	No Trend	0.3106
CB6.4	Summer1	AP	Cyanobacteria Abundance	0.0000	1.80E+04	1.32E+04	2726.70	Degrading	0.9124
CB7.3E	Summer1	AP	Total Abundance	0.0031	1.64E+05	3.44E+06	95.23	Increasing	0.1748
CB7.3E	Summer1	AP	Total Biomass	0.0001	1.84E+07	2.38E+08	154.00	Increasing	0.6322
CB7.3E	Summer1	AP	Biomass to Abundance Ratio	0.2982	0.845	70.01	24.14	No Trend	0.4679
CB7.3E	Summer1	AP	Margalef Diversity Index	0.2280	-0.017	2.66	-13.04	No Trend	0.2458
CB7.3E	Summer1	AP	Diatom Biomass	0.0053	8.54E+06	1.62E+08	105.37	Improving	0.6543
CB7.3E	Summer1	AP	Dinoflagellate Biomass	0.0004	3.98E+06	3.28E+07	243.26	Degrading	0.5970
CB7.3E	Summer1	AP	Cyanobacteria Biomass	0.0002	5.45E+04	5.07E+04	2149.39	Degrading	0.9953
CB7.3E	Summer1	AP	Chlorophyte Biomass	0.0120	3.26E+04	9.62E+04	677.72	No Trend	0.3880
CB7.3E	Summer1	AP	Cryptophyte Biomass	0.1246	4.31E+05	1.87E+07	45.98	No Trend	0.2297
CB7.3E	Summer1	AP	Cyanobacteria Abundance	0.0000	1.30E+04	6.19E+03	4197.56	Degrading	0.7053
CB7.4	Summer1	AP	Total Abundance	0.0095	1.41E+05	2.27E+06	124.67	Increasing	0.7389
CB7.4	Summer1	AP	Total Biomass	0.0071	1.41E+07	1.53E+08	184.29	Increasing	0.7331
CB7.4	Summer1	AP	Biomass to Abundance Ratio	0.7041	0.347	70.18	9.88	No Trend	0.7433
CB7.4	Summer1	AP	Margalef Diversity Index	0.0003	-0.048	3.14	-30.58	Degrading	0.4992
CB7.4	Summer1	AP	Diatom Biomass	0.0053	7.20E+06	1.12E+08	128.85	Improving	0.3003
CB7.4	Summer1	AP	Dinoflagellate Biomass	0.0772	1.43E+06	1.62E+07	176.37	No Trend	0.3354
CB7.4	Summer1	AP	Cyanobacteria Biomass	0.0004	5.48E+03	7.91E+03	1385.40	Degrading	0.0712
CB7.4	Summer1	AP	Chlorophyte Biomass	0.6707	0	1.34E+05	0.00	No Trend	0.0825
CB7.4	Summer1	AP	Cryptophyte Biomass	0.4776	1.86E+05	7.62E+06	48.80	No Trend	0.2399
CB7.4	Summer1	AP	Cyanobacteria Abundance	0.0005	6.27E+03	1.14E+04	1101.91	Degrading	0.1078

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF5.5	Summer2	AP	Total Abundance	0.0783	3.10E+06	3.42E+07	172.14	No Trend	0.7386
TF5.5	Summer2	AP	Total Biomass	0.0020	1.16E+08	1.07E+09	205.58	Increasing	0.8158
TF5.5	Summer2	AP	Biomass to Abundance Ratio	0.0015	0.981	21.85	85.28	Improving	0.5110
TF5.5	Summer2	AP	Margalef Diversity Index	0.9175	-0.003	2.39	-2.69	No Trend	0.5492
TF5.5	Summer2	AP	Diatom Biomass	0.0108	5.20E+07	6.32E+08	156.16	No Trend	0.8566
TF5.5	Summer2	AP	Dinoflagellate Biomass	0.3583	2.73E+04	4.10E+05	126.47	No Trend	0.2211
TF5.5	Summer2	AP	Cyanobacteria Biomass	0.1018	7.27E+06	8.17E+07	168.94	No Trend	0.9834
TF5.5	Summer2	AP	Chlorophyte Biomass	0.0000	4.03E+07	5.07E+07	1511.38	Improving	0.7852
TF5.5	Summer2	AP	Cryptophyte Biomass	0.0102	1.53E+06	1.48E+07	195.96	No Trend	0.4218
TF5.5	Summer2	AP	Cyanobacteria Abundance	0.2217	1.44E+06	1.80E+07	152.75	No Trend	0.8798
RET5.2	Summer2	AP	Total Abundance	0.1414	4.81E+05	7.29E+06	125.44	No Trend	0.4569
RET5.2	Summer2	AP	Total Biomass	0.0108	3.34E+07	1.53E+08	416.05	No Trend	0.5528
RET5.2	Summer2	AP	Biomass to Abundance Ratio	0.0172	0.932	17.47	101.40	No Trend	0.3566
RET5.2	Summer2	AP	Margalef Diversity Index	0.0403	-0.030	1.93	-29.33	No Trend	0.5709
RET5.2	Summer2	AP	Diatom Biomass	0.0491	1.72E+07	1.11E+08	296.06	No Trend	0.6509
RET5.2	Summer2	AP	Dinoflagellate Biomass	0.6176	4.63E+03	1.80E+06	4.88	No Trend	0.5925
RET5.2	Summer2	AP	Cyanobacteria Biomass	0.0595	2.35E+06	5.66E+06	789.64	No Trend	0.3393
RET5.2	Summer2	AP	Chlorophyte Biomass	0.0023	6.98E+06	4.83E+06	2748.98	Improving	0.5759
RET5.2	Summer2	AP	Cryptophyte Biomass	0.0346	1.09E+06	1.63E+07	127.20	No Trend	0.6607
RET5.2	Summer2	AP	Cyanobacteria Abundance	0.3102	1.41E+05	1.89E+06	141.37	No Trend	0.1801
LE5.5	Summer2	AP	Total Abundance	0.1072	1.39E+05	5.76E+06	48.08	No Trend	0.5632
LE5.5	Summer2	AP	Total Biomass	0.0078	1.19E+07	2.54E+08	93.63	Increasing	0.0977
LE5.5	Summer2	AP	Biomass to Abundance Ratio	0.5242	0.446	47.50	18.76	No Trend	0.3544
LE5.5	Summer2	AP	Margalef Diversity Index	0.5001	-0.008	2.37	-6.60	No Trend	0.7866
LE5.5	Summer2	AP	Diatom Biomass	0.0050	8.32E+06	1.61E+08	103.27	Improving	0.2187
LE5.5	Summer2	AP	Dinoflagellate Biomass	0.1440	1.70E+06	4.93E+07	69.06	No Trend	0.1139
LE5.5	Summer2	AP	Cyanobacteria Biomass	0.0000	4.07E+04	0	n.e.	Degrading	0.5484
LE5.5	Summer2	AP	Chlorophyte Biomass	0.0806	9.20E+03	0	n.e.	No Trend	0.2504
LE5.5	Summer2	AP	Cryptophyte Biomass	0.1440	-4.88E+05	3.33E+07	-29.35	No Trend	0.7735
LE5.5	Summer2	AP	Cyanobacteria Abundance	0.0002	6.89E+03	1.83E+04	754.17	Degrading	0.9922
SBE5	Summer2	AP	Total Abundance	0.3233	1.10E+05	4.70E+06	37.59	No Trend	0.3154
SBE5	Summer2	AP	Total Biomass	0.1070	5.71E+06	1.12E+08	81.36	No Trend	0.4362
SBE5	Summer2	AP	Biomass to Abundance Ratio	0.0168	0.963	21.50	71.65	No Trend	0.5213
SBE5	Summer2	AP	Margalef Diversity Index	0.5674	-0.011	1.65	-11.13	No Trend	0.4542
SBE5	Summer2	AP	Diatom Biomass	0.1316	3.16E+06	6.85E+07	73.68	No Trend	0.6868
SBE5	Summer2	AP	Dinoflagellate Biomass	0.6775	2.12E+05	7.08E+06	47.81	No Trend	0.8689
SBE5	Summer2	AP	Cyanobacteria Biomass	0.0004	2.93E+05	7.98E+05	586.92	Degrading	0.9736
SBE5	Summer2	AP	Chlorophyte Biomass	0.6190	2.07E+03	1.27E+04	260.91	No Trend	0.0768
SBE5	Summer2	AP	Cryptophyte Biomass	0.1455	6.20E+05	1.57E+07	63.21	No Trend	0.9973
SBE5	Summer2	AP	Cyanobacteria Abundance	0.1937	2.52E+04	6.71E+05	59.97	No Trend	0.5936

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF4.2	Summer2	AP	Total Abundance	0.0118	3.43E+05	1.09E+07	56.83	No Trend	0.3580
TF4.2	Summer2	AP	Total Biomass	0.0039	2.05E+07	2.31E+08	159.53	Increasing	0.1560
TF4.2	Summer2	AP	Biomass to Abundance Ratio	0.1731	0.981	31.59	55.90	No Trend	0.4416
TF4.2	Summer2	AP	Margalef Diversity Index	0.1111	-0.035	2.24	-28.24	No Trend	0.1232
TF4.2	Summer2	AP	Diatom Biomass	0.0919	6.26E+06	1.75E+08	64.23	No Trend	0.2044
TF4.2	Summer2	AP	Dinoflagellate Biomass	0.3923	1.54E+04	6.39E+05	43.26	No Trend	0.0109
TF4.2	Summer2	AP	Cyanobacteria Biomass	0.6609	-2.91E+04	1.53E+07	-3.43	No Trend	0.4938
TF4.2	Summer2	AP	Chlorophyte Biomass	0.0002	3.49E+06	1.29E+07	488.72	Improving	0.5722
TF4.2	Summer2	AP	Cryptophyte Biomass	0.0011	1.19E+06	8.41E+06	253.97	Increasing	0.3359
TF4.2	Summer2	AP	Cyanobacteria Abundance	0.2778	-2.66E+04	5.64E+06	-8.49	No Trend	0.7903
RET4.3	Summer2	AP	Total Abundance	0.0433	5.30E+05	1.38E+07	73.12	No Trend	0.2173
RET4.3	Summer2	AP	Total Biomass	0.1542	9.27E+06	4.19E+08	42.07	No Trend	0.8286
RET4.3	Summer2	AP	Biomass to Abundance Ratio	0.4314	0.133	29.34	8.60	No Trend	0.1976
RET4.3	Summer2	AP	Margalef Diversity Index	0.0229	-0.029	1.72	-32.64	No Trend	0.1849
RET4.3	Summer2	AP	Diatom Biomass	0.2096	6.22E+06	3.10E+08	38.11	No Trend	0.8320
RET4.3	Summer2	AP	Dinoflagellate Biomass	0.7985	-5.58E+04	3.13E+07	-3.39	No Trend	0.1230
RET4.3	Summer2	AP	Cyanobacteria Biomass	0.0707	8.02E+05	7.08E+06	215.19	No Trend	0.7045
RET4.3	Summer2	AP	Chlorophyte Biomass	0.0000	5.89E+05	6.02E+05	1860.02	Improving	0.5595
RET4.3	Summer2	AP	Cryptophyte Biomass	0.0182	1.51E+06	2.02E+07	141.89	No Trend	0.0961
RET4.3	Summer2	AP	Cyanobacteria Abundance	0.1480	6.19E+04	7.84E+05	149.91	No Trend	0.7607
WE4.2	Summer2	AP	Total Abundance	0.5242	3.08E+04	5.39E+06	11.42	No Trend	0.9179
WE4.2	Summer2	AP	Total Biomass	0.1546	9.41E+06	2.40E+08	78.41	No Trend	0.5266
WE4.2	Summer2	AP	Biomass to Abundance Ratio	0.2306	0.859	47.85	35.91	No Trend	0.2112
WE4.2	Summer2	AP	Margalef Diversity Index	0.8514	-0.003	2.41	-2.74	No Trend	0.0921
WE4.2	Summer2	AP	Diatom Biomass	0.0097	7.35E+06	1.27E+08	115.99	Improving	0.6266
WE4.2	Summer2	AP	Dinoflagellate Biomass	0.9701	8.75E+04	7.18E+07	2.44	No Trend	0.6445
WE4.2	Summer2	AP	Cyanobacteria Biomass	0.0000	5.45E+04	0	n.e.	Degrading	0.2470
WE4.2	Summer2	AP	Chlorophyte Biomass	0.0961	1.52E+04	4.81E+04	633.27	No Trend	0.5423
WE4.2	Summer2	AP	Cryptophyte Biomass	0.0121	-1.09E+06	3.56E+07	-61.00	No Trend	0.3955
WE4.2	Summer2	AP	Cyanobacteria Abundance	0.0006	8.73E+03	5.32E+04	327.84	Degrading	0.1178

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF3.3	Summer2	AP	Total Abundance	0.0000	3.01E+06	7.34E+06	778.84	Increasing	0.9344
TF3.3	Summer2	AP	Total Biomass	0.0000	9.90E+07	1.84E+08	1019.98	Increasing	0.9756
TF3.3	Summer2	AP	Biomass to Abundance Ratio	0.0317	0.850	22.51	71.70	No Trend	0.8662
TF3.3	Summer2	AP	Margalef Diversity Index	0.3605	0.013	1.96	12.89	No Trend	0.8406
TF3.3	Summer2	AP	Diatom Biomass	0.0000	5.12E+07	1.27E+08	765.03	Improving	0.8733
TF3.3	Summer2	AP	Dinoflagellate Biomass	0.0001	8.92E+05	1.61E+06	1050.41	Degrading	0.9796
TF3.3	Summer2	AP	Cyanobacteria Biomass	0.0000	8.11E+06	9.43E+06	1633.34	Degrading	0.9249
TF3.3	Summer2	AP	Chlorophyte Biomass	0.0000	1.12E+07	3.81E+06	5610.47	Improving	0.7462
TF3.3	Summer2	AP	Cryptophyte Biomass	0.0530	1.29E+06	1.34E+07	182.70	No Trend	0.2404
TF3.3	Summer2	AP	Cyanobacteria Abundance	0.0004	1.35E+06	7.37E+05	3484.60	Degrading	0.6769
RET3.1	Summer2	AP	Total Abundance	0.0000	1.63E+06	7.99E+06	388.46	Increasing	0.9593
RET3.1	Summer2	AP	Total Biomass	0.0000	5.38E+07	2.54E+08	402.95	Increasing	0.3240
RET3.1	Summer2	AP	Biomass to Abundance Ratio	0.3832	0.366	28.32	24.55	No Trend	0.6593
RET3.1	Summer2	AP	Margalef Diversity Index	0.9830	0	1.89	-0.15	No Trend	0.9878
RET3.1	Summer2	AP	Diatom Biomass	0.0000	3.03E+07	1.60E+08	358.41	Improving	0.9984
RET3.1	Summer2	AP	Dinoflagellate Biomass	0.6097	-6.66E+04	2.15E+07	-5.88	No Trend	0.4914
RET3.1	Summer2	AP	Cyanobacteria Biomass	0.0000	3.97E+06	5.96E+06	1264.71	Degrading	0.8712
RET3.1	Summer2	AP	Chlorophyte Biomass	0.0012	1.62E+06	1.49E+06	2062.21	Improving	0.6576
RET3.1	Summer2	AP	Cryptophyte Biomass	0.0089	1.84E+06	2.65E+07	132.17	Increasing	0.6262
RET3.1	Summer2	AP	Cyanobacteria Abundance	0.0001	7.05E+05	1.86E+06	721.39	Degrading	0.9366
LE3.6	Summer2	AP	Total Abundance	0.0054	2.55E+05	5.06E+06	100.61	Increasing	0.8587
LE3.6	Summer2	AP	Total Biomass	0.0043	2.12E+07	2.77E+08	153.09	Increasing	0.9740
LE3.6	Summer2	AP	Biomass to Abundance Ratio	0.6315	0.449	56.72	15.83	No Trend	0.9550
LE3.6	Summer2	AP	Margalef Diversity Index	0.6870	-0.005	2.54	-4.04	No Trend	0.4063
LE3.6	Summer2	AP	Diatom Biomass	0.0302	6.25E+06	1.84E+08	67.92	No Trend	0.8582
LE3.6	Summer2	AP	Dinoflagellate Biomass	0.0165	7.74E+06	7.69E+07	201.29	No Trend	0.7391
LE3.6	Summer2	AP	Cyanobacteria Biomass	0.0021	1.26E+05	1.18E+04	21274.25	Degrading	0.9372
LE3.6	Summer2	AP	Chlorophyte Biomass	0.0541	2.63E+04	9.34E+04	563.79	No Trend	0.2499
LE3.6	Summer2	AP	Cryptophyte Biomass	0.9236	1.91E+04	3.72E+07	1.03	No Trend	0.4866
LE3.6	Summer2	AP	Cyanobacteria Abundance	0.0005	4.42E+04	8.33E+03	10610.94	Degrading	0.7207

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
CB6.1	Summer2	AP	Total Abundance	0.2419	8.23E+04	3.89E+06	42.27	No Trend	0.6752
CB6.1	Summer2	AP	Total Biomass	0.0068	1.11E+07	2.78E+08	79.74	Increasing	0.6460
CB6.1	Summer2	AP	Biomass to Abundance Ratio	0.2124	1.384	81.87	33.80	No Trend	0.7509
CB6.1	Summer2	AP	Margalef Diversity Index	0.3880	0.011	2.57	8.65	No Trend	0.8723
CB6.1	Summer2	AP	Diatom Biomass	0.0029	6.86E+06	7.06E+07	194.54	Improving	0.6543
CB6.1	Summer2	AP	Dinoflagellate Biomass	0.8629	-3.06E+05	4.45E+07	-13.73	No Trend	0.8142
CB6.1	Summer2	AP	Cyanobacteria Biomass	0.0000	8.68E+04	1.02E+05	1694.56	Degrading	0.5108
CB6.1	Summer2	AP	Chlorophyte Biomass	0.0057	6.79E+04	2.80E+05	485.07	Improving	0.5245
CB6.1	Summer2	AP	Cryptophyte Biomass	0.0877	-8.89E+05	2.77E+07	-64.24	No Trend	0.6560
CB6.1	Summer2	AP	Cyanobacteria Abundance	0.0002	1.54E+04	6.57E+04	468.48	Degrading	0.7517
CB6.4	Summer2	AP	Total Abundance	0.1245	1.14E+05	3.13E+06	72.70	No Trend	0.9026
CB6.4	Summer2	AP	Total Biomass	0.0514	1.14E+07	1.81E+08	125.26	No Trend	0.7374
CB6.4	Summer2	AP	Biomass to Abundance Ratio	0.1898	1.323	60.79	43.53	No Trend	0.9574
CB6.4	Summer2	AP	Margalef Diversity Index	0.8809	0.002	2.27	1.60	No Trend	0.1675
CB6.4	Summer2	AP	Diatom Biomass	0.3686	2.22E+06	7.60E+07	58.39	No Trend	0.6647
CB6.4	Summer2	AP	Dinoflagellate Biomass	0.0471	5.15E+06	5.33E+07	193.09	No Trend	0.8022
CB6.4	Summer2	AP	Cyanobacteria Biomass	0.0000	5.85E+04	0	n.e.	Degrading	0.7160
CB6.4	Summer2	AP	Chlorophyte Biomass	0.0530	2.94E+04	8.24E+04	714.00	No Trend	0.6056
CB6.4	Summer2	AP	Cryptophyte Biomass	0.6530	-3.05E+05	3.33E+07	-18.29	No Trend	0.2300
CB6.4	Summer2	AP	Cyanobacteria Abundance	0.0001	1.80E+04	1.32E+04	2722.98	Degrading	0.8413
CB7.3E	Summer2	AP	Total Abundance	0.0050	1.61E+05	2.91E+06	110.61	Increasing	0.0962
CB7.3E	Summer2	AP	Total Biomass	0.0001	2.13E+07	2.32E+08	182.95	Increasing	0.7170
CB7.3E	Summer2	AP	Biomass to Abundance Ratio	0.1898	1.347	76.73	35.11	No Trend	0.4090
CB7.3E	Summer2	AP	Margalef Diversity Index	0.4537	-0.012	2.56	-9.04	No Trend	0.1527
CB7.3E	Summer2	AP	Diatom Biomass	0.0050	1.03E+07	1.16E+08	176.72	Improving	0.6266
CB7.3E	Summer2	AP	Dinoflagellate Biomass	0.0013	4.41E+06	2.54E+07	347.47	Degrading	0.4090
CB7.3E	Summer2	AP	Cyanobacteria Biomass	0.0011	4.87E+04	5.07E+04	1921.11	Degrading	0.9788
CB7.3E	Summer2	AP	Chlorophyte Biomass	0.1668	1.27E+02	9.62E+04	2.65	No Trend	0.8683
CB7.3E	Summer2	AP	Cryptophyte Biomass	0.2027	3.79E+05	1.30E+07	58.34	No Trend	0.1166
CB7.3E	Summer2	AP	Cyanobacteria Abundance	0.0023	7.21E+03	2.19E+04	658.28	Degrading	0.7883
CB7.4	Summer2	AP	Total Abundance	0.0165	1.51E+05	2.27E+06	132.88	No Trend	0.5609
CB7.4	Summer2	AP	Total Biomass	0.0050	1.81E+07	1.53E+08	236.86	Increasing	0.8776
CB7.4	Summer2	AP	Biomass to Abundance Ratio	0.4766	0.577	73.98	15.60	No Trend	0.7468
CB7.4	Summer2	AP	Margalef Diversity Index	0.0087	-0.041	3.33	-24.80	Degrading	0.5492
CB7.4	Summer2	AP	Diatom Biomass	0.0015	1.05E+07	1.12E+08	188.58	Improving	0.5974
CB7.4	Summer2	AP	Dinoflagellate Biomass	0.0327	2.04E+06	1.60E+07	255.02	No Trend	0.4165
CB7.4	Summer2	AP	Cyanobacteria Biomass	0.0096	1.08E+03	7.91E+03	272.14	Degrading	0.0508
CB7.4	Summer2	AP	Chlorophyte Biomass	0.5229	0	1.18E+05	0.00	No Trend	0.0408
CB7.4	Summer2	AP	Cryptophyte Biomass	0.7931	8.59E+04	7.62E+06	22.52	No Trend	0.1613
CB7.4	Summer2	AP	Cyanobacteria Abundance	0.0058	4.11E+03	4.11E+03	2001.18	Degrading	0.0562

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF5.5	Winter	AP	Total Abundance	0.0424	4.65E+05	3.85E+06	181.33	No Trend	0.5756
TF5.5	Winter	AP	Total Biomass	0.0051	3.10E+07	1.48E+08	314.71	Increasing	0.9442
TF5.5	Winter	AP	Biomass to Abundance Ratio	0.0033	2.795	35.70	117.44	Improving	0.9442
TF5.5	Winter	AP	Margalef Diversity Index	0.5288	-0.013	2.08	-9.07	No Trend	1.0000
TF5.5	Winter	AP	Diatom Biomass	0.0688	1.76E+07	1.25E+08	210.58	No Trend	0.6242
TF5.5	Winter	AP	Dinoflagellate Biomass	0.7447	0	1.89E+06	0.00	No Trend	0.2971
TF5.5	Winter	AP	Cyanobacteria Biomass	0.0004	7.32E+05	1.06E+06	1038.19	Degrading	0.7795
TF5.5	Winter	AP	Chlorophyte Biomass	0.0001	7.70E+06	1.16E+06	9967.01	Improving	1.0000
TF5.5	Winter	AP	Cryptophyte Biomass	0.0041	1.88E+06	7.08E+06	398.41	Increasing	0.3272
TF5.5	Winter	AP	Cyanobacteria Abundance	0.0026	1.13E+05	6.15E+04	2744.50	Degrading	0.7795
RET5.2	Winter	AP	Total Abundance	0.0276	7.89E+05	5.38E+06	220.06	No Trend	0.3972
RET5.2	Winter	AP	Total Biomass	0.0007	6.88E+07	1.89E+08	544.48	Increasing	0.3500
RET5.2	Winter	AP	Biomass to Abundance Ratio	0.0228	3.976	24.00	248.52	No Trend	0.7437
RET5.2	Winter	AP	Margalef Diversity Index	0.9415	0.002	1.83	1.56	No Trend	0.1415
RET5.2	Winter	AP	Diatom Biomass	0.0020	4.40E+07	1.42E+08	465.70	Improving	0.3424
RET5.2	Winter	AP	Dinoflagellate Biomass	0.8999	0	8.03E+05	0.00	No Trend	0.9590
RET5.2	Winter	AP	Cyanobacteria Biomass	0.2708	3.20E+05	2.82E+06	170.55	No Trend	0.2038
RET5.2	Winter	AP	Chlorophyte Biomass	0.0001	1.40E+07	1.75E+06	12072.15	Improving	0.3656
RET5.2	Winter	AP	Cryptophyte Biomass	0.0474	1.98E+06	1.11E+07	266.54	No Trend	0.9625
RET5.2	Winter	AP	Cyanobacteria Abundance	0.0780	1.55E+05	1.70E+05	1372.56	No Trend	0.2445
LE5.5	Winter	AP	Total Abundance	1.0000	1.44E+04	1.20E+07	2.28	No Trend	0.4862
LE5.5	Winter	AP	Total Biomass	0.3349	1.15E+07	3.28E+08	66.56	No Trend	0.3625
LE5.5	Winter	AP	Biomass to Abundance Ratio	0.0968	1.958	41.76	89.06	No Trend	0.8303
LE5.5	Winter	AP	Margalef Diversity Index	0.9573	-0.001	2.39	-0.66	No Trend	0.8303
LE5.5	Winter	AP	Diatom Biomass	0.4217	9.13E+06	2.65E+08	65.32	No Trend	0.3914
LE5.5	Winter	AP	Dinoflagellate Biomass	0.0968	2.00E+06	2.31E+07	164.68	No Trend	0.0865
LE5.5	Winter	AP	Cyanobacteria Biomass	0.1792	1.85E+04	2.43E+05	144.38	No Trend	0.5881
LE5.5	Winter	AP	Chlorophyte Biomass	0.0177	1.01E+05	5.62E+03	34098.24	No Trend	0.6954
LE5.5	Winter	AP	Cryptophyte Biomass	0.0262	6.36E+05	4.81E+06	251.05	No Trend	0.7270
LE5.5	Winter	AP	Cyanobacteria Abundance	0.0958	3.43E+03	7.97E+03	817.07	No Trend	0.5874
SBE5	Winter	AP	Total Abundance	0.3478	1.49E+05	2.27E+06	104.59	No Trend	0.2355
SBE5	Winter	AP	Total Biomass	0.3847	1.24E+07	6.79E+07	292.33	No Trend	0.2675
SBE5	Winter	AP	Biomass to Abundance Ratio	0.1022	1.872	36.57	81.92	No Trend	0.7892
SBE5	Winter	AP	Margalef Diversity Index	0.8620	-0.003	2.65	-2.06	No Trend	0.7108
SBE5	Winter	AP	Diatom Biomass	0.2236	1.23E+07	4.44E+07	444.42	No Trend	0.3515
SBE5	Winter	AP	Dinoflagellate Biomass	0.8620	6.55E+04	1.64E+07	6.40	No Trend	0.1861
SBE5	Winter	AP	Cyanobacteria Biomass	0.0475	1.31E+05	1.39E+05	1515.80	No Trend	0.2811
SBE5	Winter	AP	Chlorophyte Biomass	0.1004	5.07E+04	3.96E+05	204.70	No Trend	0.1946
SBE5	Winter	AP	Cryptophyte Biomass	0.9723	-2.55E+04	1.22E+07	-3.33	No Trend	0.9691
SBE5	Winter	AP	Cyanobacteria Abundance	0.0285	1.81E+04	5.57E+03	5199.35	No Trend	0.7472

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF4.2	Winter	AP	Total Abundance	0.0597	2.08E+05	1.97E+06	157.78	No Trend	0.8792
TF4.2	Winter	AP	Total Biomass	0.0709	7.34E+06	4.88E+07	225.70	No Trend	0.6932
TF4.2	Winter	AP	Biomass to Abundance Ratio	0.7879	-0.235	32.22	-10.92	No Trend	0.8229
TF4.2	Winter	AP	Margalef Diversity Index	0.4196	-0.013	2.02	-9.70	No Trend	0.6064
TF4.2	Winter	AP	Diatom Biomass	0.2650	3.54E+06	4.16E+07	127.71	No Trend	0.9385
TF4.2	Winter	AP	Dinoflagellate Biomass	0.7472	0	1.12E+04	0.00	No Trend	0.8940
TF4.2	Winter	AP	Cyanobacteria Biomass	0.0006	4.65E+05	4.03E+05	1729.57	Degrading	0.5248
TF4.2	Winter	AP	Chlorophyte Biomass	0.0417	3.50E+05	1.22E+06	430.41	No Trend	0.8921
TF4.2	Winter	AP	Cryptophyte Biomass	0.0837	1.06E+06	1.20E+07	132.97	No Trend	0.6306
TF4.2	Winter	AP	Cyanobacteria Abundance	0.0019	1.06E+05	5.84E+04	2712.85	Degrading	0.7711
RET4.3	Winter	AP	Total Abundance	0.2078	2.77E+05	6.17E+06	67.43	No Trend	0.9442
RET4.3	Winter	AP	Total Biomass	0.2628	1.51E+07	3.03E+08	74.91	No Trend	0.9442
RET4.3	Winter	AP	Biomass to Abundance Ratio	0.1416	1.932	47.56	60.93	No Trend	0.4840
RET4.3	Winter	AP	Margalef Diversity Index	0.0802	-0.040	1.81	-32.81	No Trend	0.1616
RET4.3	Winter	AP	Diatom Biomass	0.4414	5.77E+06	2.67E+08	32.38	No Trend	0.6745
RET4.3	Winter	AP	Dinoflagellate Biomass	0.5510	1.80E+05	4.47E+06	60.41	No Trend	0.6987
RET4.3	Winter	AP	Cyanobacteria Biomass	0.1216	5.83E+04	4.15E+05	210.91	No Trend	0.2950
RET4.3	Winter	AP	Chlorophyte Biomass	0.0133	3.59E+05	0	n.e.	No Trend	0.3220
RET4.3	Winter	AP	Cryptophyte Biomass	0.2628	7.77E+05	7.85E+06	148.40	No Trend	0.3629
RET4.3	Winter	AP	Cyanobacteria Abundance	0.0128	3.96E+04	1.35E+04	4382.11	No Trend	0.4231
WE4.2	Winter	AP	Total Abundance	0.2530	-1.44E+05	1.06E+07	-25.83	No Trend	0.5152
WE4.2	Winter	AP	Total Biomass	0.8019	-1.67E+06	4.74E+08	-6.70	No Trend	0.0901
WE4.2	Winter	AP	Biomass to Abundance Ratio	0.5963	0.405	44.64	17.25	No Trend	0.1639
WE4.2	Winter	AP	Margalef Diversity Index	0.2096	-0.017	2.85	-11.23	No Trend	0.6369
WE4.2	Winter	AP	Diatom Biomass	0.7170	-1.82E+06	4.18E+08	-8.28	No Trend	0.1425
WE4.2	Winter	AP	Dinoflagellate Biomass	0.2306	1.19E+06	2.28E+07	99.52	No Trend	0.6790
WE4.2	Winter	AP	Cyanobacteria Biomass	0.0144	7.34E+04	5.88E+03	23717.85	No Trend	0.6581
WE4.2	Winter	AP	Chlorophyte Biomass	0.6327	3.13E+02	3.73E+05	1.59	No Trend	0.3124
WE4.2	Winter	AP	Cryptophyte Biomass	0.8671	1.65E+04	1.27E+07	2.46	No Trend	0.7744
WE4.2	Winter	AP	Cyanobacteria Abundance	0.0076	5.38E+03	1.92E+02	53269.27	Degrading	0.9866

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF3.3	Winter	AP	Total Abundance	0.1062	2.43E+05	6.66E+06	54.64	No Trend	0.8892
TF3.3	Winter	AP	Total Biomass	0.0474	1.88E+07	2.33E+08	121.47	No Trend	0.6247
TF3.3	Winter	AP	Biomass to Abundance Ratio	0.2708	0.780	34.82	33.62	No Trend	0.2612
TF3.3	Winter	AP	Margalef Diversity Index	0.2708	0.018	1.47	17.96	No Trend	0.9270
TF3.3	Winter	AP	Diatom Biomass	0.0398	1.43E+07	2.22E+08	96.22	No Trend	0.5760
TF3.3	Winter	AP	Dinoflagellate Biomass	0.7146	0	5.62E+03	0.00	No Trend	0.3455
TF3.3	Winter	AP	Cyanobacteria Biomass	0.0332	4.07E+05	1.13E+06	538.34	No Trend	0.9141
TF3.3	Winter	AP	Chlorophyte Biomass	0.0154	1.69E+06	6.83E+06	370.29	No Trend	0.5390
TF3.3	Winter	AP	Cryptophyte Biomass	0.0474	1.46E+06	4.87E+06	448.67	No Trend	0.7325
TF3.3	Winter	AP	Cyanobacteria Abundance	0.0228	1.25E+05	1.74E+05	1079.01	No Trend	0.9082
RET3.1	Winter	AP	Total Abundance	0.3398	1.67E+05	7.37E+06	34.03	No Trend	0.1279
RET3.1	Winter	AP	Total Biomass	0.1630	1.16E+07	1.70E+08	102.91	No Trend	0.2113
RET3.1	Winter	AP	Biomass to Abundance Ratio	0.5087	0.675	26.53	38.19	No Trend	0.9093
RET3.1	Winter	AP	Margalef Diversity Index	0.4193	-0.009	1.72	-7.94	No Trend	0.9674
RET3.1	Winter	AP	Diatom Biomass	0.0913	1.17E+07	1.35E+08	129.59	No Trend	0.2060
RET3.1	Winter	AP	Dinoflagellate Biomass	0.1095	-2.37E+05	6.09E+06	-58.25	No Trend	0.6976
RET3.1	Winter	AP	Cyanobacteria Biomass	0.7690	4.81E+04	5.73E+06	12.58	No Trend	0.3305
RET3.1	Winter	AP	Chlorophyte Biomass	0.0664	5.15E+05	9.00E+05	858.29	No Trend	0.5925
RET3.1	Winter	AP	Cryptophyte Biomass	0.1863	1.55E+06	1.69E+07	137.50	No Trend	0.0781
RET3.1	Winter	AP	Cyanobacteria Abundance	0.2401	1.51E+04	6.13E+05	36.86	No Trend	0.2440
LE3.6	Winter	AP	Total Abundance	0.4557	-1.18E+05	1.14E+07	-19.72	No Trend	0.5042
LE3.6	Winter	AP	Total Biomass	0.6786	6.01E+06	5.23E+08	21.85	No Trend	0.0958
LE3.6	Winter	AP	Biomass to Abundance Ratio	0.1287	2.760	49.28	106.42	No Trend	0.3669
LE3.6	Winter	AP	Margalef Diversity Index	0.2813	-0.012	2.46	-8.88	No Trend	0.7796
LE3.6	Winter	AP	Diatom Biomass	0.9780	3.75E+05	4.72E+08	1.51	No Trend	0.0336
LE3.6	Winter	AP	Dinoflagellate Biomass	0.0725	1.59E+06	1.68E+07	180.22	No Trend	0.8024
LE3.6	Winter	AP	Cyanobacteria Biomass	0.0003	9.64E+04	5.15E+02	355833.11	Degrading	0.6013
LE3.6	Winter	AP	Chlorophyte Biomass	0.0364	4.49E+04	4.75E+05	179.51	No Trend	0.5131
LE3.6	Winter	AP	Cryptophyte Biomass	0.6786	1.44E+05	1.18E+07	23.06	No Trend	0.2714
LE3.6	Winter	AP	Cyanobacteria Abundance	0.0005	1.42E+04	6.40E+01	421325.00	Degrading	0.6640

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
CB6.1	Winter	AP	Total Abundance	0.5997	-1.09E+05	6.58E+06	-31.55	No Trend	0.8346
CB6.1	Winter	AP	Total Biomass	0.4557	-7.14E+06	6.13E+08	-22.15	No Trend	0.5042
CB6.1	Winter	AP	Biomass to Abundance Ratio	0.8467	0.133	93.51	2.70	No Trend	0.0276
CB6.1	Winter	AP	Margalef Diversity Index	0.4231	0.011	2.33	8.84	No Trend	0.7911
CB6.1	Winter	AP	Diatom Biomass	0.7195	-3.48E+06	4.03E+08	-16.41	No Trend	0.0567
CB6.1	Winter	AP	Dinoflagellate Biomass	0.7612	1.29E+05	5.29E+07	4.62	No Trend	0.8737
CB6.1	Winter	AP	Cyanobacteria Biomass	0.2650	6.53E+03	6.53E+02	19019.56	No Trend	0.4343
CB6.1	Winter	AP	Chlorophyte Biomass	0.7176	1.83E+02	2.46E+05	1.41	No Trend	0.5210
CB6.1	Winter	AP	Cryptophyte Biomass	0.4557	1.60E+05	9.77E+06	31.14	No Trend	0.0720
CB6.1	Winter	AP	Cyanobacteria Abundance	0.3296	7.68E+02	2.56E+02	5700.00	No Trend	0.5737
CB6.4	Winter	AP	Total Abundance	0.7888	4.93E+04	7.05E+06	13.28	No Trend	0.9147
CB6.4	Winter	AP	Total Biomass	0.2386	1.23E+07	5.67E+08	41.36	No Trend	0.1805
CB6.4	Winter	AP	Biomass to Abundance Ratio	0.4217	0.841	52.23	30.57	No Trend	0.0865
CB6.4	Winter	AP	Margalef Diversity Index	1.0000	0	2.24	-0.08	No Trend	0.1203
CB6.4	Winter	AP	Diatom Biomass	0.4217	6.23E+06	4.88E+08	24.23	No Trend	0.2840
CB6.4	Winter	AP	Dinoflagellate Biomass	0.0968	2.20E+06	6.00E+07	69.59	No Trend	0.3914
CB6.4	Winter	AP	Cyanobacteria Biomass	0.0002	6.53E+04	0	n.e.	Degrading	0.8479
CB6.4	Winter	AP	Chlorophyte Biomass	0.0647	0	0	n.e.	No Trend	0.8243
CB6.4	Winter	AP	Cryptophyte Biomass	0.0032	9.36E+05	1.21E+07	147.55	Increasing	0.0538
CB6.4	Winter	AP	Cyanobacteria Abundance	0.0002	6.35E+03	0	n.e.	Degrading	0.7081
CB7.3E	Winter	AP	Total Abundance	0.9362	-1.90E+04	6.36E+06	-5.67	No Trend	0.7721
CB7.3E	Winter	AP	Total Biomass	0.9787	6.03E+05	3.50E+08	3.27	No Trend	0.5342
CB7.3E	Winter	AP	Biomass to Abundance Ratio	0.4715	0.950	35.94	50.24	No Trend	0.4007
CB7.3E	Winter	AP	Margalef Diversity Index	0.1738	-0.024	2.42	-18.86	No Trend	0.4981
CB7.3E	Winter	AP	Diatom Biomass	0.6892	2.08E+06	2.77E+08	14.24	No Trend	0.5495
CB7.3E	Winter	AP	Dinoflagellate Biomass	0.9362	-8.48E+04	2.68E+07	-6.02	No Trend	0.8556
CB7.3E	Winter	AP	Cyanobacteria Biomass	0.0222	3.00E+04	1.27E+05	448.41	No Trend	0.6971
CB7.3E	Winter	AP	Chlorophyte Biomass	0.0533	1.67E+03	1.20E+03	2650.04	No Trend	0.3634
CB7.3E	Winter	AP	Cryptophyte Biomass	0.1576	4.24E+05	1.24E+07	65.10	No Trend	0.4619
CB7.3E	Winter	AP	Cyanobacteria Abundance	0.0114	5.92E+03	4.18E+03	2692.28	No Trend	0.4440
CB7.4	Winter	AP	Total Abundance	0.0088	1.84E+05	2.67E+06	130.76	Increasing	0.8377
CB7.4	Winter	AP	Total Biomass	0.0020	3.20E+07	2.03E+08	298.91	Increasing	0.5843
CB7.4	Winter	AP	Biomass to Abundance Ratio	0.1361	1.890	74.01	48.53	No Trend	0.9527
CB7.4	Winter	AP	Margalef Diversity Index	0.0157	-0.039	2.68	-27.80	No Trend	0.9234
CB7.4	Winter	AP	Diatom Biomass	0.0047	2.80E+07	1.74E+08	305.40	Improving	0.6130
CB7.4	Winter	AP	Dinoflagellate Biomass	0.4407	4.58E+05	1.69E+07	51.65	No Trend	0.3380
CB7.4	Winter	AP	Cyanobacteria Biomass	0.0037	7.81E+03	9.80E+02	15142.93	Degrading	0.8629
CB7.4	Winter	AP	Chlorophyte Biomass	0.0094	1.72E+04	5.45E+03	5984.24	Improving	0.7127
CB7.4	Winter	AP	Cryptophyte Biomass	0.0012	7.78E+05	5.08E+06	290.68	Increasing	0.2068
CB7.4	Winter	AP	Cyanobacteria Abundance	0.0050	2.86E+03	1.60E+02	33934.89	Degrading	0.1809

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF5.5	Annual	BP	Total Abundance	0.0023	7.53E+05	2.49E+07	57.54	Increasing	0.5103
TF5.5	Annual	BP	Total Biomass	0.0000	9.51E+07	6.38E+08	283.49	Increasing	0.7273
TF5.5	Annual	BP	Biomass to Abundance Ratio	0.0000	2.425	22.007	209.35	Improving	0.7274
TF5.5	Annual	BP	Margalef Diversity Index	0.3896	-0.007	2.144	-6.54	No Trend	0.0045
TF5.5	Annual	BP	Diatom Biomass	0.0000	5.32E+07	4.23E+08	239.11	Improving	0.5494
TF5.5	Annual	BP	Dinoflagellate Biomass	0.3805	0	1.72E+05	0.00	No Trend	0.0225
TF5.5	Annual	BP	Cyanobacteria Biomass	0.0000	8.36E+05	2.25E+07	70.69	Degrading	0.3704
TF5.5	Annual	BP	Chlorophyte Biomass	0.0000	2.01E+07	1.64E+07	2330.67	Improving	0.5428
TF5.5	Annual	BP	Cryptophyte Biomass	0.0000	1.52E+06	9.70E+06	297.11	Increasing	0.5631
TF5.5	Annual	BP	Cyanobacteria Abundance	0.0000	1.83E+05	5.88E+06	59.12	Degrading	0.1963
RET5.2	Annual	BP	Total Abundance	0.0017	4.92E+05	1.20E+07	77.86	Increasing	0.9312
RET5.2	Annual	BP	Total Biomass	0.0000	4.67E+07	2.51E+08	353.24	Increasing	0.6199
RET5.2	Annual	BP	Biomass to Abundance Ratio	0.0000	1.601	24.459	124.39	Improving	0.6126
RET5.2	Annual	BP	Margalef Diversity Index	0.5665	-0.005	1.626	-5.30	No Trend	0.1795
RET5.2	Annual	BP	Diatom Biomass	0.0000	3.11E+07	1.78E+08	332.31	Improving	0.9496
RET5.2	Annual	BP	Dinoflagellate Biomass	0.7427	0	8.72E+05	0.00	No Trend	0.4293
RET5.2	Annual	BP	Cyanobacteria Biomass	0.0001	6.66E+05	4.60E+06	275.17	Degrading	0.4179
RET5.2	Annual	BP	Chlorophyte Biomass	0.0000	7.30E+06	2.81E+06	4939.25	Improving	0.2600
RET5.2	Annual	BP	Cryptophyte Biomass	0.0000	1.40E+06	1.19E+07	223.06	Increasing	0.9254
RET5.2	Annual	BP	Cyanobacteria Abundance	0.0004	1.02E+05	9.10E+05	212.72	Degrading	0.3877
LE5.5	Annual	BP	Total Abundance	0.0000	2.09E+05	4.41E+06	94.81	Increasing	0.4534
LE5.5	Annual	BP	Total Biomass	0.0000	1.62E+07	2.57E+08	126.45	Increasing	0.1143
LE5.5	Annual	BP	Biomass to Abundance Ratio	0.0872	0.732	51.787	28.28	No Trend	0.0589
LE5.5	Annual	BP	Margalef Diversity Index	0.5464	-0.004	2.426	-3.53	No Trend	0.6871
LE5.5	Annual	BP	Diatom Biomass	0.0000	1.09E+07	2.17E+08	100.17	Improving	0.1730
LE5.5	Annual	BP	Dinoflagellate Biomass	0.0000	1.91E+06	1.70E+07	225.48	Degrading	0.9228
LE5.5	Annual	BP	Cyanobacteria Biomass	0.0000	5.32E+04	0	n.e.	Degrading	0.9937
LE5.5	Annual	BP	Chlorophyte Biomass	0.0004	3.92E+03	5.51E+03	1423.19	Improving	0.2600
LE5.5	Annual	BP	Cryptophyte Biomass	0.0000	7.23E+05	1.13E+07	128.14	Increasing	0.5326
LE5.5	Annual	BP	Cyanobacteria Abundance	0.0000	7.42E+03	3.04E+03	4882.31	Degrading	0.9592
SBE5	Annual	BP	Total Abundance	0.0075	9.80E+04	3.04E+06	51.64	Increasing	0.6911
SBE5	Annual	BP	Total Biomass	0.0438	3.59E+06	1.05E+08	54.60	No Trend	0.2885
SBE5	Annual	BP	Biomass to Abundance Ratio	0.7419	-0.126	35.690	-5.66	No Trend	0.3778
SBE5	Annual	BP	Margalef Diversity Index	0.0411	-0.020	2.394	-13.14	No Trend	0.2787
SBE5	Annual	BP	Diatom Biomass	0.1297	1.96E+06	6.68E+07	47.07	No Trend	0.1855
SBE5	Annual	BP	Dinoflagellate Biomass	0.4850	-4.53E+04	9.36E+06	-7.74	No Trend	0.0336
SBE5	Annual	BP	Cyanobacteria Biomass	0.0000	1.02E+05	7.89E+03	20646.64	Degrading	0.9263
SBE5	Annual	BP	Chlorophyte Biomass	0.0226	4.05E+04	3.41E+04	1902.34	No Trend	0.9236
SBE5	Annual	BP	Cryptophyte Biomass	0.0015	5.26E+05	6.84E+06	123.06	Increasing	0.3961
SBE5	Annual	BP	Cyanobacteria Abundance	0.0000	1.67E+04	1.22E+03	21972.11	Degrading	0.9817

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF4.2	Annual	BP	Total Abundance	0.0000	2.40E+05	4.08E+06	105.90	Increasing	0.5884
TF4.2	Annual	BP	Total Biomass	0.0000	1.17E+07	1.20E+08	175.88	Increasing	0.8911
TF4.2	Annual	BP	Biomass to Abundance Ratio	0.3766	0.358	27.241	23.62	No Trend	0.8290
TF4.2	Annual	BP	Margalef Diversity Index	0.0123	-0.013	1.776	-13.68	No Trend	0.9636
TF4.2	Annual	BP	Diatom Biomass	0.0027	4.26E+06	1.17E+08	65.57	Improving	0.7332
TF4.2	Annual	BP	Dinoflagellate Biomass	0.2548	0	1.13E+05	0.00	No Trend	0.2448
TF4.2	Annual	BP	Cyanobacteria Biomass	0.0000	1.92E+05	1.02E+06	340.68	Degrading	0.4614
TF4.2	Annual	BP	Chlorophyte Biomass	0.0000	9.78E+05	1.53E+06	1147.38	Improving	0.8050
TF4.2	Annual	BP	Cryptophyte Biomass	0.0000	1.23E+06	4.63E+06	479.54	Increasing	0.9976
TF4.2	Annual	BP	Cyanobacteria Abundance	0.0000	3.15E+04	1.66E+05	342.27	Degrading	0.2210
RET4.3	Annual	BP	Total Abundance	0.0000	6.11E+05	8.11E+06	143.33	Increasing	0.8748
RET4.3	Annual	BP	Total Biomass	0.0000	2.51E+07	3.88E+08	122.86	Increasing	0.6565
RET4.3	Annual	BP	Biomass to Abundance Ratio	0.0321	0.495	32.023	29.35	No Trend	0.4261
RET4.3	Annual	BP	Margalef Diversity Index	0.0643	-0.012	1.732	-13.05	No Trend	0.4942
RET4.3	Annual	BP	Diatom Biomass	0.0000	2.00E+07	3.22E+08	117.77	Improving	0.4125
RET4.3	Annual	BP	Dinoflagellate Biomass	0.5485	9.31E+03	3.55E+06	4.99	No Trend	0.9216
RET4.3	Annual	BP	Cyanobacteria Biomass	0.0000	4.24E+05	1.28E+06	627.59	Degrading	0.3488
RET4.3	Annual	BP	Chlorophyte Biomass	0.0000	3.14E+05	3.84E+05	1554.86	Improving	0.4673
RET4.3	Annual	BP	Cryptophyte Biomass	0.0000	1.47E+06	1.20E+07	233.53	Increasing	0.9607
RET4.3	Annual	BP	Cyanobacteria Abundance	0.0000	6.45E+04	1.31E+05	937.55	Degrading	0.9280
WE4.2	Annual	BP	Total Abundance	0.0011	1.15E+05	6.60E+06	34.88	Increasing	0.8622
WE4.2	Annual	BP	Total Biomass	0.0000	1.69E+07	2.78E+08	121.08	Increasing	0.6483
WE4.2	Annual	BP	Biomass to Abundance Ratio	0.0060	1.156	52.824	43.75	Improving	0.1052
WE4.2	Annual	BP	Margalef Diversity Index	0.0122	-0.015	2.481	-11.91	No Trend	0.9906
WE4.2	Annual	BP	Diatom Biomass	0.0000	1.36E+07	2.37E+08	114.17	Improving	0.7637
WE4.2	Annual	BP	Dinoflagellate Biomass	0.0304	3.67E+05	2.70E+07	27.22	No Trend	0.2994
WE4.2	Annual	BP	Cyanobacteria Biomass	0.0000	5.61E+04	0	n.e.	Degrading	0.9546
WE4.2	Annual	BP	Chlorophyte Biomass	0.0000	1.95E+04	0	n.e.	Improving	0.5703
WE4.2	Annual	BP	Cryptophyte Biomass	0.0400	2.48E+05	1.37E+07	36.28	No Trend	0.1009
WE4.2	Annual	BP	Cyanobacteria Abundance	0.0000	7.10E+03	9.60E+01	148000.00	Degrading	0.9456

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF3.3	Annual	BP	Total Abundance	0.0000	1.30E+06	4.49E+06	551.39	Increasing	0.9993
TF3.3	Annual	BP	Total Biomass	0.0000	5.77E+07	1.16E+08	947.00	Increasing	0.7531
TF3.3	Annual	BP	Biomass to Abundance Ratio	0.0000	1.195	25.575	88.76	Improving	0.8931
TF3.3	Annual	BP	Margalef Diversity Index	0.0259	0.015	1.681	16.62	No Trend	0.9996
TF3.3	Annual	BP	Diatom Biomass	0.0000	3.48E+07	9.04E+07	732.07	Improving	0.2577
TF3.3	Annual	BP	Dinoflagellate Biomass	0.1743	0	6.07E+05	0.00	No Trend	0.8446
TF3.3	Annual	BP	Cyanobacteria Biomass	0.0000	1.56E+06	1.33E+06	2229.29	Degrading	0.9641
TF3.3	Annual	BP	Chlorophyte Biomass	0.0000	3.88E+06	8.40E+05	8769.87	Improving	0.9401
TF3.3	Annual	BP	Cryptophyte Biomass	0.0000	1.20E+06	7.55E+06	301.03	Increasing	0.5204
TF3.3	Annual	BP	Cyanobacteria Abundance	0.0000	3.19E+05	3.67E+05	1654.12	Degrading	0.9900
RET3.1	Annual	BP	Total Abundance	0.0000	1.13E+06	5.42E+06	396.47	Increasing	0.7489
RET3.1	Annual	BP	Total Biomass	0.0000	4.14E+07	2.00E+08	392.45	Increasing	0.4243
RET3.1	Annual	BP	Biomass to Abundance Ratio	0.0079	0.664	26.463	47.70	Improving	0.7865
RET3.1	Annual	BP	Margalef Diversity Index	0.1998	0.007	1.292	10.49	No Trend	0.2094
RET3.1	Annual	BP	Diatom Biomass	0.0000	2.81E+07	1.14E+08	466.70	Improving	0.2177
RET3.1	Annual	BP	Dinoflagellate Biomass	0.6759	0	8.08E+06	0.00	No Trend	0.7133
RET3.1	Annual	BP	Cyanobacteria Biomass	0.0000	7.66E+05	7.98E+05	1822.07	Degrading	0.2784
RET3.1	Annual	BP	Chlorophyte Biomass	0.0000	9.85E+05	2.48E+04	75519.14	Improving	0.7157
RET3.1	Annual	BP	Cryptophyte Biomass	0.0000	2.41E+06	1.24E+07	369.35	Increasing	0.2823
RET3.1	Annual	BP	Cyanobacteria Abundance	0.0000	2.03E+05	1.14E+05	3375.88	Degrading	0.9457
LE3.6	Annual	BP	Total Abundance	0.0000	1.70E+05	5.59E+06	60.71	Increasing	0.8305
LE3.6	Annual	BP	Total Biomass	0.0001	1.42E+07	3.01E+08	94.42	Increasing	0.0729
LE3.6	Annual	BP	Biomass to Abundance Ratio	0.4920	0.305	60.366	10.11	No Trend	0.0561
LE3.6	Annual	BP	Margalef Diversity Index	0.0987	-0.013	2.360	-11.15	No Trend	0.7440
LE3.6	Annual	BP	Diatom Biomass	0.0001	1.06E+07	1.73E+08	122.50	Improving	0.0677
LE3.6	Annual	BP	Dinoflagellate Biomass	0.0000	1.79E+06	2.75E+07	130.66	Degrading	0.1648
LE3.6	Annual	BP	Cyanobacteria Biomass	0.0000	5.96E+04	1.35E+03	88376.60	Degrading	0.8835
LE3.6	Annual	BP	Chlorophyte Biomass	0.0000	1.89E+04	3.29E+05	114.94	Improving	0.7783
LE3.6	Annual	BP	Cryptophyte Biomass	0.0364	2.85E+05	1.61E+07	35.41	No Trend	0.8935
LE3.6	Annual	BP	Cyanobacteria Abundance	0.0000	1.28E+04	1.28E+02	199419.38	Degrading	0.9869

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
CB6.1	Annual	BP	Total Abundance	0.1293	5.25E+04	3.97E+06	26.47	No Trend	0.6894
CB6.1	Annual	BP	Total Biomass	0.1400	3.34E+06	2.33E+08	28.75	No Trend	0.8940
CB6.1	Annual	BP	Biomass to Abundance Ratio	0.7429	0.123	57.109	4.29	No Trend	0.2756
CB6.1	Annual	BP	Margalef Diversity Index	0.1345	-0.010	2.139	-9.64	No Trend	0.6277
CB6.1	Annual	BP	Diatom Biomass	0.0540	3.21E+06	1.74E+08	36.86	No Trend	0.4761
CB6.1	Annual	BP	Dinoflagellate Biomass	0.0314	4.91E+05	1.32E+07	74.25	No Trend	0.7660
CB6.1	Annual	BP	Cyanobacteria Biomass	0.0000	4.64E+04	0	n.e.	Degrading	0.9982
CB6.1	Annual	BP	Chlorophyte Biomass	0.0000	1.25E+04	4.95E+04	504.57	Improving	0.9455
CB6.1	Annual	BP	Cryptophyte Biomass	0.3949	1.36E+05	1.10E+07	24.63	No Trend	0.7455
CB6.1	Annual	BP	Cyanobacteria Abundance	0.0000	7.50E+03	5.12E+02	29288.79	Degrading	0.9788
CB6.4	Annual	BP	Total Abundance	0.0000	1.26E+05	4.34E+06	58.23	Increasing	0.1768
CB6.4	Annual	BP	Total Biomass	0.0001	8.61E+06	2.05E+08	84.19	Increasing	0.8644
CB6.4	Annual	BP	Biomass to Abundance Ratio	0.2260	0.490	58.462	16.76	No Trend	0.6318
CB6.4	Annual	BP	Margalef Diversity Index	0.0177	-0.018	2.309	-15.16	No Trend	0.4050
CB6.4	Annual	BP	Diatom Biomass	0.0002	6.07E+06	1.92E+08	63.11	Improving	0.7807
CB6.4	Annual	BP	Dinoflagellate Biomass	0.0114	6.45E+05	1.23E+07	104.55	No Trend	0.4729
CB6.4	Annual	BP	Cyanobacteria Biomass	0.0000	2.30E+04	0	n.e.	Degrading	0.9667
CB6.4	Annual	BP	Chlorophyte Biomass	0.0001	5.72E+03	1.87E+05	61.29	Improving	0.8223
CB6.4	Annual	BP	Cryptophyte Biomass	0.0011	4.05E+05	8.71E+06	93.09	Increasing	0.6960
CB6.4	Annual	BP	Cyanobacteria Abundance	0.0000	4.43E+03	0	n.e.	Degrading	0.9573
CB7.3E	Annual	BP	Total Abundance	0.0000	1.32E+05	4.24E+06	62.04	Increasing	0.0795
CB7.3E	Annual	BP	Total Biomass	0.0000	1.48E+07	2.39E+08	123.44	Increasing	0.0492
CB7.3E	Annual	BP	Biomass to Abundance Ratio	0.2447	0.508	61.855	16.44	No Trend	0.1342
CB7.3E	Annual	BP	Margalef Diversity Index	0.0001	-0.025	2.780	-17.86	Degrading	0.1848
CB7.3E	Annual	BP	Diatom Biomass	0.0000	1.08E+07	2.03E+08	106.78	Improving	0.0276
CB7.3E	Annual	BP	Dinoflagellate Biomass	0.0018	8.09E+05	1.14E+07	141.62	Degrading	0.4732
CB7.3E	Annual	BP	Cyanobacteria Biomass	0.0000	8.13E+03	9.80E+02	16591.58	Degrading	0.5837
CB7.3E	Annual	BP	Chlorophyte Biomass	0.0029	2.25E+02	4.30E+04	10.47	Improving	0.9316
CB7.3E	Annual	BP	Cryptophyte Biomass	0.0354	2.67E+05	1.15E+07	46.18	No Trend	0.0139
CB7.3E	Annual	BP	Cyanobacteria Abundance	0.0000	2.91E+03	1.73E+04	336.47	Degrading	0.4283
CB7.4	Annual	BP	Total Abundance	0.0000	1.38E+05	2.54E+06	108.56	Increasing	0.6739
CB7.4	Annual	BP	Total Biomass	0.0000	1.43E+07	2.14E+08	133.44	Increasing	0.7758
CB7.4	Annual	BP	Biomass to Abundance Ratio	0.9442	-0.086	77.571	-2.21	No Trend	0.6219
CB7.4	Annual	BP	Margalef Diversity Index	0.0001	-0.026	2.822	-18.61	Degrading	0.0458
CB7.4	Annual	BP	Diatom Biomass	0.0000	1.28E+07	1.88E+08	135.71	Improving	0.4490
CB7.4	Annual	BP	Dinoflagellate Biomass	0.3840	1.40E+05	1.04E+07	26.84	No Trend	0.4803
CB7.4	Annual	BP	Cyanobacteria Biomass	0.0000	1.91E+04	7.33E+02	51973.15	Degrading	0.7255
CB7.4	Annual	BP	Chlorophyte Biomass	0.0003	1.71E+03	7.81E+04	43.65	Improving	0.2169
CB7.4	Annual	BP	Cryptophyte Biomass	0.0029	2.66E+05	8.98E+06	59.24	Increasing	0.3099
CB7.4	Annual	BP	Cyanobacteria Abundance	0.0000	3.04E+03	6.96E+02	8748.77	Degrading	0.8721

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF5.5	Fall	BP	Total Abundance	0.3585	6.50E+05	3.79E+07	32.58	No Trend	0.9111
TF5.5	Fall	BP	Total Biomass	0.0038	1.19E+08	7.75E+08	291.51	Increasing	0.2786
TF5.5	Fall	BP	Biomass to Abundance Ratio	0.0015	2.020	14.072	272.72	Improving	0.5921
TF5.5	Fall	BP	Margalef Diversity Index	0.3836	-0.022	2.315	-17.82	No Trend	0.0549
TF5.5	Fall	BP	Diatom Biomass	0.0103	7.62E+07	4.60E+08	315.05	No Trend	0.1608
TF5.5	Fall	BP	Dinoflagellate Biomass	0.7646	0	1.02E+05	0.00	No Trend	0.6994
TF5.5	Fall	BP	Cyanobacteria Biomass	0.2486	9.85E+05	9.44E+07	19.84	No Trend	0.9883
TF5.5	Fall	BP	Chlorophyte Biomass	0.0068	1.29E+07	1.28E+07	1913.83	Improving	0.1549
TF5.5	Fall	BP	Cryptophyte Biomass	0.0118	2.35E+06	9.70E+06	460.11	No Trend	0.4329
TF5.5	Fall	BP	Cyanobacteria Abundance	0.4371	2.44E+05	1.47E+07	31.48	No Trend	0.9939
RET5.2	Fall	BP	Total Abundance	0.3343	1.58E+05	9.97E+06	30.08	No Trend	0.9287
RET5.2	Fall	BP	Total Biomass	0.0285	1.89E+07	1.96E+08	183.96	No Trend	0.6470
RET5.2	Fall	BP	Biomass to Abundance Ratio	0.0405	1.023	23.061	84.26	No Trend	0.5883
RET5.2	Fall	BP	Margalef Diversity Index	0.0856	-0.026	1.500	-33.33	No Trend	0.0102
RET5.2	Fall	BP	Diatom Biomass	0.0032	1.66E+07	1.22E+08	258.51	Improving	0.7920
RET5.2	Fall	BP	Dinoflagellate Biomass	0.7704	0	1.10E+06	0.00	No Trend	0.8682
RET5.2	Fall	BP	Cyanobacteria Biomass	0.5561	2.15E+05	1.12E+07	36.61	No Trend	0.9035
RET5.2	Fall	BP	Chlorophyte Biomass	0.0221	1.15E+06	3.54E+06	618.62	No Trend	0.1936
RET5.2	Fall	BP	Cryptophyte Biomass	0.0103	1.36E+06	1.10E+07	233.66	No Trend	0.9860
RET5.2	Fall	BP	Cyanobacteria Abundance	0.7595	3.31E+04	2.05E+06	30.75	No Trend	0.5829
LE5.5	Fall	BP	Total Abundance	0.0133	1.07E+05	1.38E+06	155.55	No Trend	0.3403
LE5.5	Fall	BP	Total Biomass	0.0000	1.59E+07	6.31E+07	502.01	Increasing	0.2955
LE5.5	Fall	BP	Biomass to Abundance Ratio	0.1113	1.185	44.926	52.74	No Trend	0.0943
LE5.5	Fall	BP	Margalef Diversity Index	0.5780	0.007	2.205	6.52	No Trend	0.4408
LE5.5	Fall	BP	Diatom Biomass	0.0001	1.28E+07	4.60E+07	557.45	Improving	0.5620
LE5.5	Fall	BP	Dinoflagellate Biomass	0.0004	9.09E+05	2.39E+06	761.58	Degrading	0.2369
LE5.5	Fall	BP	Cyanobacteria Biomass	0.0000	2.15E+04	0	n.e.	Degrading	0.8684
LE5.5	Fall	BP	Chlorophyte Biomass	0.9526	0	2.40E+03	0.00	No Trend	0.9959
LE5.5	Fall	BP	Cryptophyte Biomass	0.0054	7.54E+05	8.43E+06	178.86	Increasing	0.0620
LE5.5	Fall	BP	Cyanobacteria Abundance	0.0016	4.07E+03	1.66E+03	4889.33	Degrading	0.7305
SBE5	Fall	BP	Total Abundance	0.1455	6.46E+04	2.07E+06	50.08	No Trend	0.5888
SBE5	Fall	BP	Total Biomass	0.1937	2.85E+06	6.42E+07	71.12	No Trend	0.4542
SBE5	Fall	BP	Biomass to Abundance Ratio	0.8353	-0.119	29.364	-6.47	No Trend	0.4966
SBE5	Fall	BP	Margalef Diversity Index	0.4667	-0.014	2.200	-9.99	No Trend	0.5213
SBE5	Fall	BP	Diatom Biomass	0.1604	1.46E+06	3.63E+07	64.36	No Trend	0.3571
SBE5	Fall	BP	Dinoflagellate Biomass	0.5674	1.69E+04	6.06E+06	4.46	No Trend	0.6868
SBE5	Fall	BP	Cyanobacteria Biomass	0.0001	8.18E+04	7.44E+02	176050.65	Degrading	0.9052
SBE5	Fall	BP	Chlorophyte Biomass	0.2068	1.01E+04	3.53E+03	4598.08	No Trend	0.6681
SBE5	Fall	BP	Cryptophyte Biomass	0.0330	5.53E+05	5.76E+06	153.60	No Trend	0.7820
SBE5	Fall	BP	Cyanobacteria Abundance	0.0025	9.11E+03	1.60E+02	91135.63	Degrading	0.7069

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF4.2	Fall	BP	Total Abundance	0.0761	1.30E+05	4.14E+06	56.55	No Trend	0.6050
TF4.2	Fall	BP	Total Biomass	0.0060	6.96E+06	7.65E+07	163.74	Increasing	0.9645
TF4.2	Fall	BP	Biomass to Abundance Ratio	0.1899	0.956	20.556	83.74	No Trend	0.5042
TF4.2	Fall	BP	Margalef Diversity Index	0.6998	-0.005	1.674	-4.99	No Trend	0.5947
TF4.2	Fall	BP	Diatom Biomass	0.2691	2.39E+06	5.38E+07	79.84	No Trend	0.8823
TF4.2	Fall	BP	Dinoflagellate Biomass	0.2524	0	9.43E+04	0.00	No Trend	0.4994
TF4.2	Fall	BP	Cyanobacteria Biomass	0.0716	1.69E+05	1.41E+06	215.94	No Trend	0.9560
TF4.2	Fall	BP	Chlorophyte Biomass	0.0002	7.34E+05	3.62E+05	3649.88	Improving	0.3344
TF4.2	Fall	BP	Cryptophyte Biomass	0.0004	1.32E+06	3.27E+06	726.96	Increasing	0.7718
TF4.2	Fall	BP	Cyanobacteria Abundance	0.1808	1.47E+04	9.50E+04	279.46	No Trend	0.8150
RET4.3	Fall	BP	Total Abundance	0.0002	5.13E+05	3.14E+06	310.05	Increasing	0.3456
RET4.3	Fall	BP	Total Biomass	0.0000	2.76E+07	4.99E+07	1049.90	Increasing	0.5252
RET4.3	Fall	BP	Biomass to Abundance Ratio	0.0405	1.032	25.478	77.00	No Trend	0.4598
RET4.3	Fall	BP	Margalef Diversity Index	0.6889	-0.007	1.761	-7.94	No Trend	0.0414
RET4.3	Fall	BP	Diatom Biomass	0.0000	2.20E+07	3.44E+07	1215.77	Improving	0.5931
RET4.3	Fall	BP	Dinoflagellate Biomass	0.2546	6.30E+04	1.70E+06	70.42	No Trend	0.2778
RET4.3	Fall	BP	Cyanobacteria Biomass	0.0118	2.33E+05	2.07E+06	213.82	No Trend	0.3091
RET4.3	Fall	BP	Chlorophyte Biomass	0.0238	1.22E+05	7.80E+05	297.99	No Trend	0.7814
RET4.3	Fall	BP	Cryptophyte Biomass	0.0224	1.63E+06	1.59E+07	194.64	No Trend	0.5892
RET4.3	Fall	BP	Cyanobacteria Abundance	0.0020	4.24E+04	3.79E+05	212.53	Degrading	0.6465
WE4.2	Fall	BP	Total Abundance	0.0052	1.19E+05	2.98E+06	79.84	Increasing	0.8557
WE4.2	Fall	BP	Total Biomass	0.0225	8.27E+06	1.32E+08	125.31	No Trend	0.2521
WE4.2	Fall	BP	Biomass to Abundance Ratio	0.7529	0.340	48.274	14.08	No Trend	0.2041
WE4.2	Fall	BP	Margalef Diversity Index	0.3063	-0.010	2.373	-8.52	No Trend	0.7656
WE4.2	Fall	BP	Diatom Biomass	0.0003	1.22E+07	3.69E+07	662.35	Improving	0.5743
WE4.2	Fall	BP	Dinoflagellate Biomass	0.5551	1.02E+05	1.64E+07	12.47	No Trend	0.2438
WE4.2	Fall	BP	Cyanobacteria Biomass	0.0014	1.03E+03	1.29E+02	16020.42	Degrading	0.4136
WE4.2	Fall	BP	Chlorophyte Biomass	0.2377	0	6.81E+04	0.00	No Trend	0.2301
WE4.2	Fall	BP	Cryptophyte Biomass	0.3253	-1.95E+05	1.85E+07	-21.10	No Trend	0.2855
WE4.2	Fall	BP	Cyanobacteria Abundance	0.0013	2.99E+02	8.00E+01	7485.83	Degrading	0.2610

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF3.3	Fall	BP	Total Abundance	0.0000	1.56E+06	3.85E+06	768.70	Increasing	0.6596
TF3.3	Fall	BP	Total Biomass	0.0000	4.83E+07	6.32E+07	1450.92	Increasing	0.7905
TF3.3	Fall	BP	Biomass to Abundance Ratio	0.0103	1.126	21.062	101.58	No Trend	0.3052
TF3.3	Fall	BP	Margalef Diversity Index	0.0698	0.031	1.510	39.39	No Trend	0.8703
TF3.3	Fall	BP	Diatom Biomass	0.0000	3.34E+07	2.57E+07	2477.06	Improving	0.4385
TF3.3	Fall	BP	Dinoflagellate Biomass	0.4319	3.36E+04	1.19E+06	53.61	No Trend	0.9117
TF3.3	Fall	BP	Cyanobacteria Biomass	0.0000	1.87E+06	9.00E+05	3940.43	Degrading	0.7094
TF3.3	Fall	BP	Chlorophyte Biomass	0.0001	2.39E+06	1.48E+06	3061.62	Improving	0.6449
TF3.3	Fall	BP	Cryptophyte Biomass	0.1648	6.34E+05	2.79E+07	43.20	No Trend	0.7071
TF3.3	Fall	BP	Cyanobacteria Abundance	0.0000	4.58E+05	6.27E+05	1387.69	Degrading	0.5747
RET3.1	Fall	BP	Total Abundance	0.0004	8.49E+05	5.42E+06	297.43	Increasing	0.2425
RET3.1	Fall	BP	Total Biomass	0.0003	3.18E+07	1.30E+08	464.99	Increasing	0.8314
RET3.1	Fall	BP	Biomass to Abundance Ratio	0.2893	0.626	26.739	44.51	No Trend	0.7465
RET3.1	Fall	BP	Margalef Diversity Index	0.1648	0.015	1.278	22.33	No Trend	0.5090
RET3.1	Fall	BP	Diatom Biomass	0.0001	2.51E+07	6.25E+07	762.34	Improving	0.4425
RET3.1	Fall	BP	Dinoflagellate Biomass	0.9063	-5.38E+03	6.76E+06	-1.51	No Trend	0.6731
RET3.1	Fall	BP	Cyanobacteria Biomass	0.0004	5.84E+05	7.65E+05	1450.65	Degrading	0.5164
RET3.1	Fall	BP	Chlorophyte Biomass	0.0013	5.59E+05	1.25E+06	850.47	Improving	0.1051
RET3.1	Fall	BP	Cryptophyte Biomass	0.0453	1.64E+06	1.85E+07	169.21	No Trend	0.1466
RET3.1	Fall	BP	Cyanobacteria Abundance	0.0001	1.51E+05	1.39E+05	2062.08	Degrading	0.9130
LE3.6	Fall	BP	Total Abundance	0.0118	1.96E+05	3.94E+06	99.61	No Trend	0.9236
LE3.6	Fall	BP	Total Biomass	0.0036	1.66E+07	1.12E+08	297.74	Increasing	0.2235
LE3.6	Fall	BP	Biomass to Abundance Ratio	0.0448	1.345	39.673	67.81	No Trend	0.0402
LE3.6	Fall	BP	Margalef Diversity Index	0.2881	-0.015	2.328	-12.86	No Trend	0.3612
LE3.6	Fall	BP	Diatom Biomass	0.0001	1.73E+07	6.21E+07	556.91	Improving	0.5542
LE3.6	Fall	BP	Dinoflagellate Biomass	0.5290	2.70E+05	1.66E+07	32.51	No Trend	0.5898
LE3.6	Fall	BP	Cyanobacteria Biomass	0.0002	3.03E+04	8.96E+03	6759.70	Degrading	0.3288
LE3.6	Fall	BP	Chlorophyte Biomass	0.0042	1.01E+04	0	n.e.	Improving	0.7654
LE3.6	Fall	BP	Cryptophyte Biomass	0.4087	2.34E+05	1.61E+07	29.06	No Trend	0.7804
LE3.6	Fall	BP	Cyanobacteria Abundance	0.0002	7.76E+03	2.56E+02	60629.52	Degrading	0.7402

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
CB6.1	Fall	BP	Total Abundance	0.0763	1.22E+05	9.99E+05	243.57	No Trend	0.6412
CB6.1	Fall	BP	Total Biomass	0.0832	6.30E+06	3.20E+07	394.34	No Trend	0.8494
CB6.1	Fall	BP	Biomass to Abundance Ratio	0.1973	0.903	30.716	58.82	No Trend	0.8575
CB6.1	Fall	BP	Margalef Diversity Index	0.6287	-0.009	1.809	-10.15	No Trend	0.2983
CB6.1	Fall	BP	Diatom Biomass	0.0111	8.25E+06	2.34E+07	706.85	No Trend	0.9008
CB6.1	Fall	BP	Dinoflagellate Biomass	0.3975	2.34E+05	2.13E+06	218.96	No Trend	0.6146
CB6.1	Fall	BP	Cyanobacteria Biomass	0.0001	4.63E+04	0	n.e.	Degrading	0.8073
CB6.1	Fall	BP	Chlorophyte Biomass	0.0056	9.77E+03	0	n.e.	Improving	0.8661
CB6.1	Fall	BP	Cryptophyte Biomass	0.3754	2.12E+05	4.53E+06	93.56	No Trend	0.8234
CB6.1	Fall	BP	Cyanobacteria Abundance	0.0013	6.75E+03	2.18E+04	620.30	Degrading	0.6473
CB6.4	Fall	BP	Total Abundance	0.0000	1.50E+05	1.61E+06	187.06	Increasing	0.7042
CB6.4	Fall	BP	Total Biomass	0.0018	9.02E+06	7.06E+07	255.66	Increasing	0.4493
CB6.4	Fall	BP	Biomass to Abundance Ratio	0.5430	0.307	36.420	16.86	No Trend	0.5426
CB6.4	Fall	BP	Margalef Diversity Index	0.0027	-0.050	2.491	-40.15	Degrading	0.3469
CB6.4	Fall	BP	Diatom Biomass	0.0005	8.18E+06	3.47E+07	471.62	Improving	0.9348
CB6.4	Fall	BP	Dinoflagellate Biomass	0.6803	5.65E+04	3.86E+06	29.25	No Trend	0.3101
CB6.4	Fall	BP	Cyanobacteria Biomass	0.0000	1.65E+02	0	n.e.	Degrading	0.8179
CB6.4	Fall	BP	Chlorophyte Biomass	0.3106	0	1.17E+05	0.00	No Trend	0.4155
CB6.4	Fall	BP	Cryptophyte Biomass	0.0240	5.02E+05	6.01E+06	167.16	No Trend	0.3985
CB6.4	Fall	BP	Cyanobacteria Abundance	0.0004	2.13E+01	0	n.e.	Degrading	0.3804
CB7.3E	Fall	BP	Total Abundance	0.0010	1.62E+05	1.62E+06	199.57	Increasing	0.5133
CB7.3E	Fall	BP	Total Biomass	0.0026	1.54E+07	9.44E+07	326.68	Increasing	0.1472
CB7.3E	Fall	BP	Biomass to Abundance Ratio	0.0652	1.445	49.904	57.92	No Trend	0.2398
CB7.3E	Fall	BP	Margalef Diversity Index	0.0072	-0.044	2.869	-30.74	Degrading	0.3064
CB7.3E	Fall	BP	Diatom Biomass	0.0000	1.72E+07	6.07E+07	565.26	Improving	0.7254
CB7.3E	Fall	BP	Dinoflagellate Biomass	0.7484	-7.82E+04	5.30E+06	-29.51	No Trend	0.1861
CB7.3E	Fall	BP	Cyanobacteria Biomass	0.0001	1.13E+03	0	n.e.	Degrading	0.2603
CB7.3E	Fall	BP	Chlorophyte Biomass	0.0533	1.22E+02	0	n.e.	No Trend	0.6097
CB7.3E	Fall	BP	Cryptophyte Biomass	0.3360	2.75E+05	1.36E+07	40.29	No Trend	0.0205
CB7.3E	Fall	BP	Cyanobacteria Abundance	0.0084	3.52E+02	6.85E+03	102.71	Degrading	0.1992
CB7.4	Fall	BP	Total Abundance	0.0005	1.56E+05	1.97E+06	158.35	Increasing	0.9555
CB7.4	Fall	BP	Total Biomass	0.0217	1.46E+07	1.58E+08	185.01	No Trend	0.2609
CB7.4	Fall	BP	Biomass to Abundance Ratio	0.8907	-0.250	70.859	-7.07	No Trend	0.0943
CB7.4	Fall	BP	Margalef Diversity Index	0.3363	-0.016	2.467	-12.90	No Trend	0.2094
CB7.4	Fall	BP	Diatom Biomass	0.0005	1.54E+07	1.30E+08	238.06	Improving	0.5625
CB7.4	Fall	BP	Dinoflagellate Biomass	0.2983	-5.70E+05	6.98E+06	-163.21	No Trend	0.1387
CB7.4	Fall	BP	Cyanobacteria Biomass	0.0000	3.92E+04	0	n.e.	Degrading	0.8475
CB7.4	Fall	BP	Chlorophyte Biomass	0.0374	0	0	n.e.	No Trend	0.6048
CB7.4	Fall	BP	Cryptophyte Biomass	0.4678	1.95E+05	1.02E+07	38.24	No Trend	0.1751
CB7.4	Fall	BP	Cyanobacteria Abundance	0.0000	4.06E+03	6.48E+02	12515.93	Degrading	0.9913

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF5.5	Spring1	BP	Total Abundance	0.1403	5.83E+05	1.91E+07	58.14	No Trend	0.0863
TF5.5	Spring1	BP	Total Biomass	0.0003	6.97E+07	3.61E+08	366.57	Increasing	0.5214
TF5.5	Spring1	BP	Biomass to Abundance Ratio	0.0000	2.669	24.027	211.06	Improving	0.9569
TF5.5	Spring1	BP	Margalef Diversity Index	0.1018	0.024	1.696	27.41	No Trend	0.3775
TF5.5	Spring1	BP	Diatom Biomass	0.0044	4.27E+07	3.28E+08	247.02	Improving	0.4502
TF5.5	Spring1	BP	Dinoflagellate Biomass	0.7352	0	0	n.e.	No Trend	0.1407
TF5.5	Spring1	BP	Cyanobacteria Biomass	0.0003	7.90E+05	2.53E+06	592.92	Degrading	0.1680
TF5.5	Spring1	BP	Chlorophyte Biomass	0.0000	1.78E+07	2.89E+06	11683.42	Improving	0.6949
TF5.5	Spring1	BP	Cryptophyte Biomass	0.2032	6.58E+05	1.97E+07	63.38	No Trend	0.6726
TF5.5	Spring1	BP	Cyanobacteria Abundance	0.0001	1.53E+05	4.21E+05	692.61	Degrading	0.1664
RET5.2	Spring1	BP	Total Abundance	0.3507	3.51E+05	1.16E+07	57.70	No Trend	0.7303
RET5.2	Spring1	BP	Total Biomass	0.0000	7.46E+07	3.03E+08	468.45	Increasing	0.5063
RET5.2	Spring1	BP	Biomass to Abundance Ratio	0.0009	2.973	27.356	206.49	Improving	0.9117
RET5.2	Spring1	BP	Margalef Diversity Index	0.8653	0.001	1.309	1.55	No Trend	0.8997
RET5.2	Spring1	BP	Diatom Biomass	0.0002	4.24E+07	2.66E+08	302.64	Improving	0.7328
RET5.2	Spring1	BP	Dinoflagellate Biomass	0.1338	0	0	n.e.	No Trend	0.3147
RET5.2	Spring1	BP	Cyanobacteria Biomass	0.0002	8.97E+05	5.71E+05	2986.12	Degrading	0.3208
RET5.2	Spring1	BP	Chlorophyte Biomass	0.0000	1.52E+07	5.17E+05	56009.84	Improving	0.8959
RET5.2	Spring1	BP	Cryptophyte Biomass	0.0032	1.14E+06	5.58E+06	386.85	Increasing	0.5639
RET5.2	Spring1	BP	Cyanobacteria Abundance	0.0006	8.47E+04	2.19E+05	733.40	Degrading	0.3681
LE5.5	Spring1	BP	Total Abundance	0.0277	2.37E+05	7.81E+06	57.68	No Trend	0.7816
LE5.5	Spring1	BP	Total Biomass	0.3223	1.08E+07	7.30E+08	28.07	No Trend	0.5770
LE5.5	Spring1	BP	Biomass to Abundance Ratio	0.0936	-1.306	76.344	-32.49	No Trend	0.7298
LE5.5	Spring1	BP	Margalef Diversity Index	0.0936	-0.024	2.725	-16.83	No Trend	0.8329
LE5.5	Spring1	BP	Diatom Biomass	0.6422	4.46E+06	6.65E+08	12.74	No Trend	0.5826
LE5.5	Spring1	BP	Dinoflagellate Biomass	0.0011	4.03E+06	2.81E+07	273.04	Degrading	0.8128
LE5.5	Spring1	BP	Cyanobacteria Biomass	0.0008	1.20E+05	6.44E+04	3539.09	Degrading	0.6118
LE5.5	Spring1	BP	Chlorophyte Biomass	0.0578	6.96E+04	5.79E+05	228.41	No Trend	0.0442
LE5.5	Spring1	BP	Cryptophyte Biomass	0.0339	7.19E+05	1.72E+07	79.31	No Trend	0.3134
LE5.5	Spring1	BP	Cyanobacteria Abundance	0.0007	1.34E+04	1.50E+03	16874.09	Degrading	0.3943
SBE5	Spring1	BP	Total Abundance	0.2121	1.07E+05	3.47E+06	49.15	No Trend	0.0937
SBE5	Spring1	BP	Total Biomass	0.5674	-3.88E+06	1.71E+08	-36.33	No Trend	0.1425
SBE5	Spring1	BP	Biomass to Abundance Ratio	0.0426	-1.514	42.827	-56.56	No Trend	0.8434
SBE5	Spring1	BP	Margalef Diversity Index	0.0011	-0.056	2.842	-31.42	Degrading	0.6000
SBE5	Spring1	BP	Diatom Biomass	0.3768	-3.10E+06	9.33E+07	-53.20	No Trend	0.0808
SBE5	Spring1	BP	Dinoflagellate Biomass	0.0168	-1.22E+06	2.62E+07	-74.59	No Trend	0.8077
SBE5	Spring1	BP	Cyanobacteria Biomass	0.0010	1.31E+05	1.42E+05	1474.72	Degrading	0.7264
SBE5	Spring1	BP	Chlorophyte Biomass	0.3765	8.27E+04	1.40E+06	94.26	No Trend	0.8260
SBE5	Spring1	BP	Cryptophyte Biomass	0.0145	1.17E+06	1.10E+07	170.46	No Trend	0.8077
SBE5	Spring1	BP	Cyanobacteria Abundance	0.0004	2.40E+04	6.43E+03	5962.56	Degrading	0.7922

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF4.2	Spring1	BP	Total Abundance	0.0013	2.34E+05	2.01E+06	209.96	Increasing	0.8596
TF4.2	Spring1	BP	Total Biomass	0.0113	1.39E+07	8.42E+07	296.90	No Trend	0.8075
TF4.2	Spring1	BP	Biomass to Abundance Ratio	0.6126	0.592	42.297	25.20	No Trend	0.8315
TF4.2	Spring1	BP	Margalef Diversity Index	0.0726	-0.017	1.738	-17.84	No Trend	0.4861
TF4.2	Spring1	BP	Diatom Biomass	0.0113	9.17E+06	6.75E+07	244.56	No Trend	0.9938
TF4.2	Spring1	BP	Dinoflagellate Biomass	0.5992	0	5.41E+04	0.00	No Trend	0.3672
TF4.2	Spring1	BP	Cyanobacteria Biomass	0.0001	2.21E+05	1.25E+05	3182.58	Degrading	0.2346
TF4.2	Spring1	BP	Chlorophyte Biomass	0.0019	6.09E+05	4.38E+05	2504.71	Improving	0.6845
TF4.2	Spring1	BP	Cryptophyte Biomass	0.0020	1.19E+06	7.12E+06	301.38	Increasing	0.9799
TF4.2	Spring1	BP	Cyanobacteria Abundance	0.0002	3.35E+04	1.15E+04	5235.25	Degrading	0.6734
RET4.3	Spring1	BP	Total Abundance	0.0005	6.70E+05	9.60E+06	132.59	Increasing	0.3699
RET4.3	Spring1	BP	Total Biomass	0.0067	2.71E+07	4.48E+08	114.87	Increasing	0.2968
RET4.3	Spring1	BP	Biomass to Abundance Ratio	0.5208	0.220	56.700	7.36	No Trend	0.3175
RET4.3	Spring1	BP	Margalef Diversity Index	0.6939	-0.002	1.697	-2.67	No Trend	0.8171
RET4.3	Spring1	BP	Diatom Biomass	0.0027	2.15E+07	3.54E+08	115.52	Improving	0.4693
RET4.3	Spring1	BP	Dinoflagellate Biomass	0.8519	-8.77E+03	3.69E+07	-0.45	No Trend	0.7430
RET4.3	Spring1	BP	Cyanobacteria Biomass	0.0002	4.64E+05	9.32E+05	945.57	Degrading	0.4981
RET4.3	Spring1	BP	Chlorophyte Biomass	0.0000	8.87E+05	5.10E+05	3304.40	Improving	0.6722
RET4.3	Spring1	BP	Cryptophyte Biomass	0.0018	2.11E+06	1.59E+07	252.76	Increasing	0.7415
RET4.3	Spring1	BP	Cyanobacteria Abundance	0.0002	5.95E+04	6.36E+04	1777.68	Degrading	0.5667
WE4.2	Spring1	BP	Total Abundance	0.1782	1.54E+05	7.92E+06	36.89	No Trend	0.9224
WE4.2	Spring1	BP	Total Biomass	0.1107	1.74E+07	6.42E+08	51.35	No Trend	0.6510
WE4.2	Spring1	BP	Biomass to Abundance Ratio	0.7248	-0.466	69.702	-12.72	No Trend	0.9511
WE4.2	Spring1	BP	Margalef Diversity Index	0.0783	-0.020	2.493	-15.43	No Trend	0.8620
WE4.2	Spring1	BP	Diatom Biomass	0.2217	8.84E+06	5.88E+08	28.53	No Trend	0.6611
WE4.2	Spring1	BP	Dinoflagellate Biomass	0.2217	1.63E+06	3.74E+07	82.86	No Trend	0.8409
WE4.2	Spring1	BP	Cyanobacteria Biomass	0.0015	1.25E+05	1.19E+04	19908.49	Degrading	0.9527
WE4.2	Spring1	BP	Chlorophyte Biomass	0.0345	6.27E+04	1.51E+05	791.16	No Trend	0.2365
WE4.2	Spring1	BP	Cryptophyte Biomass	0.0683	6.67E+05	1.28E+07	99.01	No Trend	0.2330
WE4.2	Spring1	BP	Cyanobacteria Abundance	0.0003	1.91E+04	1.06E+04	3434.27	Degrading	0.9596

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF3.3	Spring1	BP	Total Abundance	0.0000	1.11E+06	3.65E+06	575.58	Increasing	0.7262
TF3.3	Spring1	BP	Total Biomass	0.0000	5.55E+07	9.69E+07	1086.93	Increasing	0.5770
TF3.3	Spring1	BP	Biomass to Abundance Ratio	0.1403	1.085	29.065	70.90	No Trend	0.8494
TF3.3	Spring1	BP	Margalef Diversity Index	0.4548	0.007	1.428	9.49	No Trend	0.8329
TF3.3	Spring1	BP	Diatom Biomass	0.0003	2.74E+07	9.17E+07	568.48	Improving	0.3641
TF3.3	Spring1	BP	Dinoflagellate Biomass	0.6852	0	2.54E+05	0.00	No Trend	0.4944
TF3.3	Spring1	BP	Cyanobacteria Biomass	0.0006	6.97E+05	2.39E+06	553.62	Degrading	0.7906
TF3.3	Spring1	BP	Chlorophyte Biomass	0.0000	7.82E+06	5.71E+05	26031.72	Improving	0.9466
TF3.3	Spring1	BP	Cryptophyte Biomass	0.0000	1.79E+06	5.13E+06	664.68	Increasing	0.3502
TF3.3	Spring1	BP	Cyanobacteria Abundance	0.0013	1.08E+05	6.17E+05	331.98	Degrading	0.7346
RET3.1	Spring1	BP	Total Abundance	0.0000	1.05E+06	5.06E+06	392.80	Increasing	0.6457
RET3.1	Spring1	BP	Total Biomass	0.0003	3.72E+07	5.32E+08	132.86	Increasing	0.1616
RET3.1	Spring1	BP	Biomass to Abundance Ratio	0.3634	0.481	81.829	11.16	No Trend	0.0836
RET3.1	Spring1	BP	Margalef Diversity Index	0.8242	-0.003	1.308	-3.97	No Trend	0.5713
RET3.1	Spring1	BP	Diatom Biomass	0.0006	2.75E+07	1.52E+08	345.14	Improving	0.1030
RET3.1	Spring1	BP	Dinoflagellate Biomass	0.1993	-7.12E+04	2.30E+07	-5.89	No Trend	0.1740
RET3.1	Spring1	BP	Cyanobacteria Biomass	0.0015	7.85E+05	9.66E+05	1543.30	Degrading	0.1407
RET3.1	Spring1	BP	Chlorophyte Biomass	0.0000	1.57E+06	2.18E+06	1371.82	Improving	0.6987
RET3.1	Spring1	BP	Cryptophyte Biomass	0.0002	3.15E+06	1.16E+07	514.37	Increasing	0.3156
RET3.1	Spring1	BP	Cyanobacteria Abundance	0.0003	1.36E+05	1.13E+05	2283.34	Degrading	0.6292
LE3.6	Spring1	BP	Total Abundance	0.3605	8.34E+04	9.94E+06	15.93	No Trend	0.2035
LE3.6	Spring1	BP	Total Biomass	0.5374	-1.32E+07	1.07E+09	-23.40	No Trend	0.2164
LE3.6	Spring1	BP	Biomass to Abundance Ratio	0.0584	-2.106	92.624	-43.20	No Trend	0.7922
LE3.6	Spring1	BP	Margalef Diversity Index	0.8150	-0.004	2.297	-2.97	No Trend	0.9978
LE3.6	Spring1	BP	Diatom Biomass	0.3175	-1.67E+07	1.02E+09	-31.03	No Trend	0.2348
LE3.6	Spring1	BP	Dinoflagellate Biomass	0.0041	2.11E+06	2.02E+07	198.92	Degrading	0.3332
LE3.6	Spring1	BP	Cyanobacteria Biomass	0.0016	3.47E+04	2.16E+05	306.14	Degrading	0.7058
LE3.6	Spring1	BP	Chlorophyte Biomass	0.2398	3.99E+03	4.15E+05	18.26	No Trend	0.2063
LE3.6	Spring1	BP	Cryptophyte Biomass	0.4828	1.86E+05	2.25E+07	15.67	No Trend	0.8536
LE3.6	Spring1	BP	Cyanobacteria Abundance	0.0006	1.48E+04	1.14E+05	245.57	Degrading	0.5532

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
CB6.1	Spring1	BP	Total Abundance	0.4567	7.49E+04	8.78E+06	16.21	No Trend	0.6217
CB6.1	Spring1	BP	Total Biomass	0.8482	4.05E+06	1.03E+09	7.50	No Trend	0.8222
CB6.1	Spring1	BP	Biomass to Abundance Ratio	0.1205	-2.244	100.490	-42.42	No Trend	0.9876
CB6.1	Spring1	BP	Margalef Diversity Index	0.6862	-0.007	2.108	-5.89	No Trend	0.3649
CB6.1	Spring1	BP	Diatom Biomass	0.9491	7.18E+05	9.39E+08	1.45	No Trend	0.6733
CB6.1	Spring1	BP	Dinoflagellate Biomass	0.0530	1.88E+06	2.05E+07	173.80	No Trend	0.1169
CB6.1	Spring1	BP	Cyanobacteria Biomass	0.0001	5.26E+04	0	n.e.	Degrading	0.9405
CB6.1	Spring1	BP	Chlorophyte Biomass	0.1275	1.62E+03	2.25E+05	13.71	No Trend	0.5841
CB6.1	Spring1	BP	Cryptophyte Biomass	0.3716	4.82E+05	2.44E+07	37.60	No Trend	0.3729
CB6.1	Spring1	BP	Cyanobacteria Abundance	0.0071	5.16E+03	4.63E+03	2117.76	Degrading	0.9438
CB6.4	Spring1	BP	Total Abundance	0.2908	1.15E+05	7.94E+06	27.52	No Trend	0.7734
CB6.4	Spring1	BP	Total Biomass	0.2217	1.49E+07	5.40E+08	52.38	No Trend	0.9030
CB6.4	Spring1	BP	Biomass to Abundance Ratio	0.9505	0.029	97.404	0.56	No Trend	0.6799
CB6.4	Spring1	BP	Margalef Diversity Index	0.2546	-0.010	2.368	-8.30	No Trend	0.5106
CB6.4	Spring1	BP	Diatom Biomass	0.4685	7.83E+06	5.04E+08	29.50	No Trend	0.8549
CB6.4	Spring1	BP	Dinoflagellate Biomass	0.1652	9.98E+05	1.50E+07	126.32	No Trend	0.2614
CB6.4	Spring1	BP	Cyanobacteria Biomass	0.0000	4.75E+04	0	n.e.	Degrading	0.9801
CB6.4	Spring1	BP	Chlorophyte Biomass	0.1183	2.70E+04	1.87E+05	274.59	No Trend	0.9042
CB6.4	Spring1	BP	Cryptophyte Biomass	0.1652	5.47E+05	1.24E+07	83.74	No Trend	0.7671
CB6.4	Spring1	BP	Cyanobacteria Abundance	0.0000	1.01E+04	0	n.e.	Degrading	0.6567
CB7.3E	Spring1	BP	Total Abundance	0.0204	1.58E+05	6.88E+06	43.67	No Trend	0.2345
CB7.3E	Spring1	BP	Total Biomass	0.5950	7.94E+06	8.65E+08	17.44	No Trend	0.4810
CB7.3E	Spring1	BP	Biomass to Abundance Ratio	0.3605	-1.458	87.573	-31.64	No Trend	0.9731
CB7.3E	Spring1	BP	Margalef Diversity Index	0.3175	-0.013	2.712	-9.29	No Trend	0.5922
CB7.3E	Spring1	BP	Diatom Biomass	0.9153	6.80E+05	8.46E+08	1.53	No Trend	0.4028
CB7.3E	Spring1	BP	Dinoflagellate Biomass	0.0255	1.32E+06	1.54E+07	162.83	No Trend	0.7389
CB7.3E	Spring1	BP	Cyanobacteria Biomass	0.0075	1.56E+04	3.28E+04	904.53	Degrading	0.1879
CB7.3E	Spring1	BP	Chlorophyte Biomass	0.3752	9.40E+01	7.09E+05	0.25	No Trend	0.6317
CB7.3E	Spring1	BP	Cryptophyte Biomass	0.8817	-6.76E+04	1.40E+07	-9.16	No Trend	0.0671
CB7.3E	Spring1	BP	Cyanobacteria Abundance	0.0352	6.35E+03	3.51E+04	343.97	No Trend	0.1456
CB7.4	Spring1	BP	Total Abundance	0.1803	9.34E+04	4.54E+06	39.05	No Trend	0.9109
CB7.4	Spring1	BP	Total Biomass	0.2096	7.41E+06	3.84E+08	36.70	No Trend	0.8709
CB7.4	Spring1	BP	Biomass to Abundance Ratio	0.1669	-2.239	84.908	-50.11	No Trend	0.9019
CB7.4	Spring1	BP	Margalef Diversity Index	0.0041	-0.029	2.760	-20.16	Degrading	0.5606
CB7.4	Spring1	BP	Diatom Biomass	0.5374	4.30E+06	3.53E+08	23.17	No Trend	0.7501
CB7.4	Spring1	BP	Dinoflagellate Biomass	0.5658	3.99E+05	1.79E+07	42.43	No Trend	0.5828
CB7.4	Spring1	BP	Cyanobacteria Biomass	0.0038	1.51E+04	1.81E+05	158.95	Degrading	0.6904
CB7.4	Spring1	BP	Chlorophyte Biomass	0.3362	1.73E+03	2.58E+05	12.71	No Trend	0.7071
CB7.4	Spring1	BP	Cryptophyte Biomass	0.2597	2.84E+05	1.10E+07	49.10	No Trend	0.3967
CB7.4	Spring1	BP	Cyanobacteria Abundance	0.0118	6.01E+03	8.60E+03	1327.75	No Trend	0.2485

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF5.5	Spring2	BP	Total Abundance	0.8557	-6.35E+04	4.55E+07	-2.65	No Trend	0.7346
TF5.5	Spring2	BP	Total Biomass	0.0015	7.87E+07	1.23E+09	121.13	Increasing	0.7590
TF5.5	Spring2	BP	Biomass to Abundance Ratio	0.0000	3.066	20.735	280.99	Improving	0.9231
TF5.5	Spring2	BP	Margalef Diversity Index	0.5312	-0.008	2.067	-7.31	No Trend	0.1381
TF5.5	Spring2	BP	Diatom Biomass	0.0202	4.06E+07	9.59E+08	80.46	No Trend	0.8329
TF5.5	Spring2	BP	Dinoflagellate Biomass	0.3336	0	7.01E+05	0.00	No Trend	0.2010
TF5.5	Spring2	BP	Cyanobacteria Biomass	0.0501	7.19E+05	2.25E+07	60.80	No Trend	0.8370
TF5.5	Spring2	BP	Chlorophyte Biomass	0.0000	2.38E+07	2.46E+07	1837.09	Improving	0.9553
TF5.5	Spring2	BP	Cryptophyte Biomass	0.4921	3.74E+05	3.35E+07	21.25	No Trend	0.9041
TF5.5	Spring2	BP	Cyanobacteria Abundance	0.0860	9.24E+04	3.69E+06	47.50	No Trend	0.1664
RET5.2	Spring2	BP	Total Abundance	0.0936	6.46E+05	1.91E+07	64.19	No Trend	0.2276
RET5.2	Spring2	BP	Total Biomass	0.0000	7.88E+07	4.66E+08	321.49	Increasing	0.5231
RET5.2	Spring2	BP	Biomass to Abundance Ratio	0.0026	2.346	27.356	162.91	Improving	0.8877
RET5.2	Spring2	BP	Margalef Diversity Index	0.9517	0.000	1.488	0.47	No Trend	0.8762
RET5.2	Spring2	BP	Diatom Biomass	0.0001	4.93E+07	4.23E+08	221.38	Improving	0.7816
RET5.2	Spring2	BP	Dinoflagellate Biomass	0.2230	0	7.01E+05	0.00	No Trend	0.2420
RET5.2	Spring2	BP	Cyanobacteria Biomass	0.0001	1.42E+06	1.92E+06	1401.14	Degrading	0.5494
RET5.2	Spring2	BP	Chlorophyte Biomass	0.0000	1.14E+07	1.22E+06	17750.35	Improving	0.8964
RET5.2	Spring2	BP	Cryptophyte Biomass	0.0024	2.02E+06	1.27E+07	301.15	Increasing	0.5553
RET5.2	Spring2	BP	Cyanobacteria Abundance	0.0015	1.39E+05	5.26E+05	501.99	Degrading	0.2823
LE5.5	Spring2	BP	Total Abundance	0.0057	2.76E+05	5.81E+06	90.18	Increasing	0.9600
LE5.5	Spring2	BP	Total Biomass	0.0225	1.70E+07	4.01E+08	80.60	No Trend	0.4933
LE5.5	Spring2	BP	Biomass to Abundance Ratio	0.8242	0.131	53.891	4.62	No Trend	0.0029
LE5.5	Spring2	BP	Margalef Diversity Index	0.0789	-0.020	2.618	-14.82	No Trend	0.8719
LE5.5	Spring2	BP	Diatom Biomass	0.0550	1.01E+07	3.56E+08	53.84	No Trend	0.4343
LE5.5	Spring2	BP	Dinoflagellate Biomass	0.0072	2.57E+06	2.74E+07	177.99	Degrading	0.9322
LE5.5	Spring2	BP	Cyanobacteria Biomass	0.0001	1.02E+05	2.64E+05	731.86	Degrading	0.8421
LE5.5	Spring2	BP	Chlorophyte Biomass	0.0056	1.34E+05	1.90E+05	1338.09	Improving	0.2541
LE5.5	Spring2	BP	Cryptophyte Biomass	0.0006	1.05E+06	1.67E+07	119.00	Increasing	0.8453
LE5.5	Spring2	BP	Cyanobacteria Abundance	0.0001	1.42E+04	2.20E+04	1227.17	Degrading	0.5709
SBE5	Spring2	BP	Total Abundance	0.1070	1.32E+05	2.70E+06	78.26	No Trend	0.0920
SBE5	Spring2	BP	Total Biomass	0.4055	4.84E+06	1.12E+08	69.26	No Trend	0.0795
SBE5	Spring2	BP	Biomass to Abundance Ratio	0.0962	-1.144	36.619	-49.98	No Trend	0.7820
SBE5	Spring2	BP	Margalef Diversity Index	0.0193	-0.036	2.708	-21.10	No Trend	0.9296
SBE5	Spring2	BP	Diatom Biomass	0.9585	-1.25E+05	5.69E+07	-3.51	No Trend	0.0808
SBE5	Spring2	BP	Dinoflagellate Biomass	0.0613	-6.15E+05	1.35E+07	-72.84	No Trend	0.9760
SBE5	Spring2	BP	Cyanobacteria Biomass	0.0031	8.89E+04	7.89E+03	18026.20	Degrading	0.6367
SBE5	Spring2	BP	Chlorophyte Biomass	0.7157	4.11E+03	1.40E+06	4.68	No Trend	0.4493
SBE5	Spring2	BP	Cryptophyte Biomass	0.4667	3.57E+05	1.03E+07	55.68	No Trend	0.1357
SBE5	Spring2	BP	Cyanobacteria Abundance	0.0013	1.85E+04	2.58E+03	11442.50	Degrading	0.6680

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF4.2	Spring2	BP	Total Abundance	0.0003	3.61E+05	3.14E+06	206.73	Increasing	0.5561
TF4.2	Spring2	BP	Total Biomass	0.0037	2.27E+07	1.54E+08	264.99	Increasing	0.5749
TF4.2	Spring2	BP	Biomass to Abundance Ratio	0.7127	0.364	53.686	12.21	No Trend	0.8645
TF4.2	Spring2	BP	Margalef Diversity Index	0.0656	-0.019	1.738	-19.71	No Trend	0.5177
TF4.2	Spring2	BP	Diatom Biomass	0.0129	1.13E+07	1.46E+08	139.32	No Trend	0.9890
TF4.2	Spring2	BP	Dinoflagellate Biomass	0.9439	0	7.73E+05	0.00	No Trend	0.7314
TF4.2	Spring2	BP	Cyanobacteria Biomass	0.0002	1.94E+05	1.22E+05	2860.06	Degrading	0.2817
TF4.2	Spring2	BP	Chlorophyte Biomass	0.0011	1.57E+06	1.08E+06	2615.60	Improving	0.6890
TF4.2	Spring2	BP	Cryptophyte Biomass	0.0020	1.39E+06	6.80E+06	367.74	Increasing	0.9799
TF4.2	Spring2	BP	Cyanobacteria Abundance	0.0007	3.19E+04	1.15E+04	4978.61	Degrading	0.7376
RET4.3	Spring2	BP	Total Abundance	0.0002	6.02E+05	8.79E+06	130.20	Increasing	0.3980
RET4.3	Spring2	BP	Total Biomass	0.0003	3.27E+07	3.69E+08	168.23	Increasing	0.5072
RET4.3	Spring2	BP	Biomass to Abundance Ratio	0.1542	0.763	56.978	25.44	No Trend	0.7219
RET4.3	Spring2	BP	Margalef Diversity Index	0.4828	-0.005	1.499	-6.70	No Trend	0.9585
RET4.3	Spring2	BP	Diatom Biomass	0.0003	2.56E+07	3.13E+08	155.25	Improving	0.8097
RET4.3	Spring2	BP	Dinoflagellate Biomass	0.8645	0	1.65E+07	0.00	No Trend	0.6228
RET4.3	Spring2	BP	Cyanobacteria Biomass	0.0001	5.98E+05	1.19E+06	957.87	Degrading	0.4077
RET4.3	Spring2	BP	Chlorophyte Biomass	0.0000	1.39E+06	5.81E+03	454616.06	Improving	0.7240
RET4.3	Spring2	BP	Cryptophyte Biomass	0.0047	1.70E+06	1.50E+07	214.79	Increasing	0.4905
RET4.3	Spring2	BP	Cyanobacteria Abundance	0.0004	8.40E+04	9.12E+04	1748.45	Degrading	0.6331
WE4.2	Spring2	BP	Total Abundance	0.1107	1.48E+05	7.64E+06	36.92	No Trend	0.7642
WE4.2	Spring2	BP	Total Biomass	0.0122	2.14E+07	4.56E+08	88.88	No Trend	0.1054
WE4.2	Spring2	BP	Biomass to Abundance Ratio	0.2908	1.006	57.146	33.46	No Trend	0.2648
WE4.2	Spring2	BP	Margalef Diversity Index	0.2723	-0.016	2.386	-12.47	No Trend	0.7843
WE4.2	Spring2	BP	Diatom Biomass	0.0491	1.13E+07	3.79E+08	56.65	No Trend	0.1535
WE4.2	Spring2	BP	Dinoflagellate Biomass	0.2723	9.49E+05	3.74E+07	48.22	No Trend	0.9122
WE4.2	Spring2	BP	Cyanobacteria Biomass	0.0002	9.01E+04	8.97E+03	19090.40	Degrading	0.6147
WE4.2	Spring2	BP	Chlorophyte Biomass	0.0064	7.04E+04	9.01E+02	148416.81	Improving	0.1443
WE4.2	Spring2	BP	Cryptophyte Biomass	0.0818	6.28E+05	1.74E+07	68.50	No Trend	0.2809
WE4.2	Spring2	BP	Cyanobacteria Abundance	0.0001	1.32E+04	1.06E+04	2367.50	Degrading	0.7045

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF3.3	Spring2	BP	Total Abundance	0.0000	1.70E+06	5.19E+06	620.99	Increasing	0.8981
TF3.3	Spring2	BP	Total Biomass	0.0000	8.47E+07	1.49E+08	1083.05	Increasing	0.6990
TF3.3	Spring2	BP	Biomass to Abundance Ratio	0.0215	1.782	34.313	98.65	No Trend	0.8201
TF3.3	Spring2	BP	Margalef Diversity Index	0.5481	0.007	1.720	8.08	No Trend	0.8344
TF3.3	Spring2	BP	Diatom Biomass	0.0000	4.63E+07	1.20E+08	734.15	Improving	0.5434
TF3.3	Spring2	BP	Dinoflagellate Biomass	0.6798	0	7.47E+05	0.00	No Trend	0.4942
TF3.3	Spring2	BP	Cyanobacteria Biomass	0.0001	1.57E+06	3.18E+06	934.57	Degrading	0.8089
TF3.3	Spring2	BP	Chlorophyte Biomass	0.0000	1.43E+07	3.44E+05	79175.56	Improving	0.9724
TF3.3	Spring2	BP	Cryptophyte Biomass	0.0006	1.61E+06	7.55E+06	405.94	Increasing	0.2068
TF3.3	Spring2	BP	Cyanobacteria Abundance	0.0002	2.48E+05	6.17E+05	762.27	Degrading	0.6791
RET3.1	Spring2	BP	Total Abundance	0.0000	1.60E+06	5.06E+06	598.88	Increasing	0.7637
RET3.1	Spring2	BP	Total Biomass	0.0000	5.63E+07	1.54E+08	695.25	Increasing	0.2510
RET3.1	Spring2	BP	Biomass to Abundance Ratio	0.0595	0.929	21.990	80.30	No Trend	0.1493
RET3.1	Spring2	BP	Margalef Diversity Index	0.7877	-0.002	1.216	-2.41	No Trend	0.5362
RET3.1	Spring2	BP	Diatom Biomass	0.0000	4.15E+07	1.12E+08	706.36	Improving	0.1985
RET3.1	Spring2	BP	Dinoflagellate Biomass	0.0407	-9.97E+04	1.09E+07	-17.32	No Trend	0.6677
RET3.1	Spring2	BP	Cyanobacteria Biomass	0.0000	1.19E+06	2.28E+05	9891.00	Degrading	0.5178
RET3.1	Spring2	BP	Chlorophyte Biomass	0.0000	5.34E+06	4.80E+04	211250.06	Improving	0.8758
RET3.1	Spring2	BP	Cryptophyte Biomass	0.0002	3.43E+06	9.47E+06	687.63	Increasing	0.2392
RET3.1	Spring2	BP	Cyanobacteria Abundance	0.0000	3.92E+05	1.07E+05	6941.45	Degrading	0.8481
LE3.6	Spring2	BP	Total Abundance	0.0391	2.49E+05	7.65E+06	61.95	No Trend	0.6277
LE3.6	Spring2	BP	Total Biomass	0.0707	1.69E+07	6.74E+08	47.70	No Trend	0.2815
LE3.6	Spring2	BP	Biomass to Abundance Ratio	0.4314	-0.648	74.682	-16.49	No Trend	0.1035
LE3.6	Spring2	BP	Margalef Diversity Index	0.2781	-0.019	2.187	-16.08	No Trend	0.5425
LE3.6	Spring2	BP	Diatom Biomass	0.2421	1.06E+07	6.04E+08	33.51	No Trend	0.4697
LE3.6	Spring2	BP	Dinoflagellate Biomass	0.0128	2.55E+06	2.73E+07	177.16	No Trend	0.6244
LE3.6	Spring2	BP	Cyanobacteria Biomass	0.0003	1.65E+05	2.55E+05	1231.52	Degrading	0.9564
LE3.6	Spring2	BP	Chlorophyte Biomass	0.1573	1.17E+04	1.01E+06	22.05	No Trend	0.2840
LE3.6	Spring2	BP	Cryptophyte Biomass	0.6247	1.70E+05	3.00E+07	10.79	No Trend	0.7543
LE3.6	Spring2	BP	Cyanobacteria Abundance	0.0000	3.95E+04	4.95E+04	1516.83	Degrading	0.5901

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
CB6.1	Spring2	BP	Total Abundance	0.3386	6.16E+04	5.27E+06	22.22	No Trend	0.6220
CB6.1	Spring2	BP	Total Biomass	0.3832	5.37E+06	6.23E+08	16.36	No Trend	0.9573
CB6.1	Spring2	BP	Biomass to Abundance Ratio	0.5950	-0.617	90.621	-12.93	No Trend	0.3290
CB6.1	Spring2	BP	Margalef Diversity Index	0.5658	-0.007	2.294	-5.64	No Trend	0.4889
CB6.1	Spring2	BP	Diatom Biomass	0.2597	5.24E+06	5.33E+08	18.67	No Trend	0.8569
CB6.1	Spring2	BP	Dinoflagellate Biomass	0.7177	2.73E+05	2.50E+07	20.75	No Trend	0.9977
CB6.1	Spring2	BP	Cyanobacteria Biomass	0.0000	6.40E+04	1.12E+04	10805.15	Degrading	0.8856
CB6.1	Spring2	BP	Chlorophyte Biomass	0.0224	6.67E+04	2.25E+05	563.04	No Trend	0.8120
CB6.1	Spring2	BP	Cryptophyte Biomass	0.8315	-9.34E+04	2.49E+07	-7.12	No Trend	0.4080
CB6.1	Spring2	BP	Cyanobacteria Abundance	0.0004	7.74E+03	3.67E+03	4003.85	Degrading	0.6877
CB6.4	Spring2	BP	Total Abundance	0.2217	1.19E+05	7.93E+06	28.58	No Trend	0.8872
CB6.4	Spring2	BP	Total Biomass	0.1203	8.50E+06	4.87E+08	33.13	No Trend	0.9781
CB6.4	Spring2	BP	Biomass to Abundance Ratio	0.9835	0.003	86.112	0.07	No Trend	0.7134
CB6.4	Spring2	BP	Margalef Diversity Index	0.1018	-0.019	2.475	-14.30	No Trend	0.5830
CB6.4	Spring2	BP	Diatom Biomass	0.3513	4.24E+06	4.12E+08	19.60	No Trend	0.9197
CB6.4	Spring2	BP	Dinoflagellate Biomass	0.5208	7.29E+05	2.28E+07	60.82	No Trend	0.3270
CB6.4	Spring2	BP	Cyanobacteria Biomass	0.0000	7.20E+04	0	n.e.	Degrading	0.8034
CB6.4	Spring2	BP	Chlorophyte Biomass	0.0543	3.44E+04	9.33E+04	701.17	No Trend	0.9612
CB6.4	Spring2	BP	Cryptophyte Biomass	0.8847	1.07E+05	2.38E+07	8.59	No Trend	0.5112
CB6.4	Spring2	BP	Cyanobacteria Abundance	0.0000	1.31E+04	0	n.e.	Degrading	0.9455
CB7.3E	Spring2	BP	Total Abundance	0.0707	1.27E+05	7.73E+06	31.15	No Trend	0.5616
CB7.3E	Spring2	BP	Total Biomass	0.1205	8.69E+06	7.57E+08	21.80	No Trend	0.1291
CB7.3E	Spring2	BP	Biomass to Abundance Ratio	0.6247	-0.274	65.041	-8.00	No Trend	0.7840
CB7.3E	Spring2	BP	Margalef Diversity Index	0.0391	-0.025	2.659	-17.63	No Trend	0.1826
CB7.3E	Spring2	BP	Diatom Biomass	0.3832	3.82E+06	7.30E+08	9.94	No Trend	0.1562
CB7.3E	Spring2	BP	Dinoflagellate Biomass	0.0036	1.96E+06	1.53E+07	242.41	Degrading	0.6681
CB7.3E	Spring2	BP	Cyanobacteria Biomass	0.0124	4.07E+04	1.73E+04	4454.86	No Trend	0.2802
CB7.3E	Spring2	BP	Chlorophyte Biomass	0.0893	3.81E+04	4.32E+05	167.67	No Trend	0.3267
CB7.3E	Spring2	BP	Cryptophyte Biomass	0.7497	-9.00E+04	1.67E+07	-10.24	No Trend	0.1054
CB7.3E	Spring2	BP	Cyanobacteria Abundance	0.0219	8.06E+03	2.04E+04	752.52	No Trend	0.0879
CB7.4	Spring2	BP	Total Abundance	0.0317	1.30E+05	3.72E+06	66.19	No Trend	0.4004
CB7.4	Spring2	BP	Total Biomass	0.0433	1.01E+07	3.09E+08	62.04	No Trend	0.3223
CB7.4	Spring2	BP	Biomass to Abundance Ratio	0.6247	-0.711	73.143	-18.47	No Trend	0.3228
CB7.4	Spring2	BP	Margalef Diversity Index	0.0001	-0.040	2.814	-26.77	Degrading	0.8647
CB7.4	Spring2	BP	Diatom Biomass	0.1311	7.09E+06	2.48E+08	54.32	No Trend	0.2548
CB7.4	Spring2	BP	Dinoflagellate Biomass	0.7822	2.36E+05	2.99E+07	14.95	No Trend	0.7324
CB7.4	Spring2	BP	Cyanobacteria Biomass	0.0011	1.65E+04	6.72E+04	465.90	Degrading	0.4211
CB7.4	Spring2	BP	Chlorophyte Biomass	0.0315	3.87E+04	2.58E+05	284.95	No Trend	0.2763
CB7.4	Spring2	BP	Cryptophyte Biomass	0.2507	2.81E+05	1.10E+07	48.39	No Trend	0.3823
CB7.4	Spring2	BP	Cyanobacteria Abundance	0.0123	3.02E+03	5.31E+03	1079.09	No Trend	0.2441

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF5.5	Summer1	BP	Total Abundance	0.1645	1.30E+06	3.08E+07	80.26	No Trend	0.6610
TF5.5	Summer1	BP	Total Biomass	0.0000	1.64E+08	1.05E+09	297.71	Increasing	0.9785
TF5.5	Summer1	BP	Biomass to Abundance Ratio	0.0000	2.213	20.887	201.31	Improving	0.2109
TF5.5	Summer1	BP	Margalef Diversity Index	0.0075	-0.046	3.194	-27.20	Degrading	0.0458
TF5.5	Summer1	BP	Diatom Biomass	0.0000	7.16E+07	7.27E+08	187.22	Improving	0.8697
TF5.5	Summer1	BP	Dinoflagellate Biomass	0.0237	2.64E+04	5.58E+05	90.01	No Trend	0.0430
TF5.5	Summer1	BP	Cyanobacteria Biomass	0.0871	3.81E+06	2.38E+08	30.42	No Trend	0.9833
TF5.5	Summer1	BP	Chlorophyte Biomass	0.0000	5.60E+07	1.11E+08	957.40	Improving	0.9164
TF5.5	Summer1	BP	Cryptophyte Biomass	0.0001	1.72E+06	1.63E+07	200.42	Increasing	0.2488
TF5.5	Summer1	BP	Cyanobacteria Abundance	0.2255	8.23E+05	1.62E+07	96.51	No Trend	0.6973
RET5.2	Summer1	BP	Total Abundance	0.0205	7.30E+05	1.31E+07	106.01	No Trend	0.5552
RET5.2	Summer1	BP	Total Biomass	0.0001	4.23E+07	4.12E+08	195.12	Increasing	0.4257
RET5.2	Summer1	BP	Biomass to Abundance Ratio	0.0012	1.311	23.576	105.67	Improving	0.0996
RET5.2	Summer1	BP	Margalef Diversity Index	0.6950	-0.005	1.933	-4.76	No Trend	0.9806
RET5.2	Summer1	BP	Diatom Biomass	0.0001	2.90E+07	3.79E+08	145.30	Improving	0.3675
RET5.2	Summer1	BP	Dinoflagellate Biomass	0.6630	0	2.37E+06	0.00	No Trend	0.3399
RET5.2	Summer1	BP	Cyanobacteria Biomass	0.1756	9.54E+05	1.37E+07	132.71	No Trend	0.7205
RET5.2	Summer1	BP	Chlorophyte Biomass	0.0016	6.35E+06	9.19E+06	1311.59	Improving	0.2975
RET5.2	Summer1	BP	Cryptophyte Biomass	0.0037	1.54E+06	1.35E+07	215.74	Increasing	0.3240
RET5.2	Summer1	BP	Cyanobacteria Abundance	0.3182	1.61E+05	2.20E+06	139.19	No Trend	0.8814
LE5.5	Summer1	BP	Total Abundance	0.0001	3.27E+05	4.26E+06	153.33	Increasing	0.6894
LE5.5	Summer1	BP	Total Biomass	0.0000	2.20E+07	2.46E+08	178.69	Increasing	0.8978
LE5.5	Summer1	BP	Biomass to Abundance Ratio	0.0217	1.235	55.477	44.52	No Trend	0.2236
LE5.5	Summer1	BP	Margalef Diversity Index	0.5633	-0.005	2.427	-3.85	No Trend	0.8622
LE5.5	Summer1	BP	Diatom Biomass	0.0002	1.54E+07	1.95E+08	157.48	Improving	0.7666
LE5.5	Summer1	BP	Dinoflagellate Biomass	0.0005	2.17E+06	2.29E+07	189.87	Degrading	0.7536
LE5.5	Summer1	BP	Cyanobacteria Biomass	0.0000	5.71E+04	8.77E+04	1302.55	Degrading	0.8541
LE5.5	Summer1	BP	Chlorophyte Biomass	0.0064	2.00E+04	3.12E+03	12857.34	Improving	0.6037
LE5.5	Summer1	BP	Cryptophyte Biomass	0.0001	8.51E+05	1.10E+07	154.94	Increasing	0.9510
LE5.5	Summer1	BP	Cyanobacteria Abundance	0.0000	8.93E+03	3.06E+04	584.47	Degrading	0.8566
SBE5	Summer1	BP	Total Abundance	0.0274	1.63E+05	3.28E+06	79.40	No Trend	0.9664
SBE5	Summer1	BP	Total Biomass	0.0026	1.11E+07	6.43E+07	276.94	Increasing	0.9849
SBE5	Summer1	BP	Biomass to Abundance Ratio	0.0957	0.573	21.442	42.76	No Trend	0.3833
SBE5	Summer1	BP	Margalef Diversity Index	0.6525	0.006	1.515	6.34	No Trend	0.4402
SBE5	Summer1	BP	Diatom Biomass	0.0150	6.21E+06	4.82E+07	206.03	No Trend	0.7745
SBE5	Summer1	BP	Dinoflagellate Biomass	0.6204	7.51E+04	3.61E+06	33.26	No Trend	0.1037
SBE5	Summer1	BP	Cyanobacteria Biomass	0.0000	1.74E+05	2.27E+03	122815.44	Degrading	0.4368
SBE5	Summer1	BP	Chlorophyte Biomass	0.5546	3.20E+02	4.82E+04	10.62	No Trend	0.6471
SBE5	Summer1	BP	Cryptophyte Biomass	0.4995	2.37E+05	5.34E+06	70.91	No Trend	0.0453
SBE5	Summer1	BP	Cyanobacteria Abundance	0.0001	4.14E+04	2.88E+02	229723.60	Degrading	0.6344

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF4.2	Summer1	BP	Total Abundance	0.0162	3.55E+05	1.06E+07	60.57	No Trend	0.1072
TF4.2	Summer1	BP	Total Biomass	0.0102	2.19E+07	3.81E+08	103.37	No Trend	0.1931
TF4.2	Summer1	BP	Biomass to Abundance Ratio	0.6661	0.420	34.480	21.91	No Trend	0.4443
TF4.2	Summer1	BP	Margalef Diversity Index	0.0961	-0.018	2.110	-15.14	No Trend	0.9526
TF4.2	Summer1	BP	Diatom Biomass	0.5513	1.90E+06	2.53E+08	13.56	No Trend	0.2883
TF4.2	Summer1	BP	Dinoflagellate Biomass	0.6213	7.79E+03	2.15E+06	6.54	No Trend	0.0646
TF4.2	Summer1	BP	Cyanobacteria Biomass	0.0675	1.45E+05	1.24E+07	21.03	No Trend	0.4634
TF4.2	Summer1	BP	Chlorophyte Biomass	0.0008	3.43E+06	4.37E+06	1412.18	Improving	0.9822
TF4.2	Summer1	BP	Cryptophyte Biomass	0.0000	1.27E+06	6.21E+06	369.20	Increasing	0.9648
TF4.2	Summer1	BP	Cyanobacteria Abundance	0.3552	1.31E+04	4.52E+06	5.20	No Trend	0.4364
RET4.3	Summer1	BP	Total Abundance	0.0016	6.90E+05	1.35E+07	96.89	Increasing	0.8264
RET4.3	Summer1	BP	Total Biomass	0.0013	2.18E+07	5.00E+08	82.96	Increasing	0.8170
RET4.3	Summer1	BP	Biomass to Abundance Ratio	0.2073	0.389	37.687	19.60	No Trend	0.1401
RET4.3	Summer1	BP	Margalef Diversity Index	0.0315	-0.024	1.707	-26.51	No Trend	0.7487
RET4.3	Summer1	BP	Diatom Biomass	0.0105	1.84E+07	4.60E+08	76.11	No Trend	0.7680
RET4.3	Summer1	BP	Dinoflagellate Biomass	0.8671	0	3.55E+06	0.00	No Trend	0.7995
RET4.3	Summer1	BP	Cyanobacteria Biomass	0.0001	8.54E+05	1.53E+06	1063.40	Degrading	0.0742
RET4.3	Summer1	BP	Chlorophyte Biomass	0.0024	2.56E+05	2.48E+03	195511.51	Improving	0.0632
RET4.3	Summer1	BP	Cryptophyte Biomass	0.0237	9.78E+05	2.11E+07	87.99	No Trend	0.6543
RET4.3	Summer1	BP	Cyanobacteria Abundance	0.0006	9.13E+04	1.50E+05	1157.37	Degrading	0.4587
WE4.2	Summer1	BP	Total Abundance	0.0533	1.11E+05	6.60E+06	33.78	No Trend	0.8343
WE4.2	Summer1	BP	Total Biomass	0.0000	1.92E+07	2.42E+08	159.03	Increasing	0.7355
WE4.2	Summer1	BP	Biomass to Abundance Ratio	0.0105	1.435	44.449	64.55	No Trend	0.3165
WE4.2	Summer1	BP	Margalef Diversity Index	0.0772	-0.017	2.455	-13.57	No Trend	0.8298
WE4.2	Summer1	BP	Diatom Biomass	0.0000	1.50E+07	1.94E+08	154.61	Improving	0.9372
WE4.2	Summer1	BP	Dinoflagellate Biomass	0.9080	2.91E+04	3.18E+07	1.83	No Trend	0.4978
WE4.2	Summer1	BP	Cyanobacteria Biomass	0.0000	7.79E+04	0	n.e.	Degrading	0.9989
WE4.2	Summer1	BP	Chlorophyte Biomass	0.0004	4.39E+04	0	n.e.	Improving	0.9163
WE4.2	Summer1	BP	Cryptophyte Biomass	0.2280	1.67E+05	1.31E+07	25.50	No Trend	0.2656
WE4.2	Summer1	BP	Cyanobacteria Abundance	0.0000	1.01E+04	0	n.e.	Degrading	0.8970

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF3.3	Summer1	BP	Total Abundance	0.0000	1.96E+06	7.10E+06	523.60	Increasing	0.9963
TF3.3	Summer1	BP	Total Biomass	0.0000	8.13E+07	1.63E+08	949.55	Increasing	0.8872
TF3.3	Summer1	BP	Biomass to Abundance Ratio	0.0002	1.254	19.923	119.60	Improving	0.9452
TF3.3	Summer1	BP	Margalef Diversity Index	0.2659	0.013	1.798	14.18	No Trend	0.9893
TF3.3	Summer1	BP	Diatom Biomass	0.0000	4.79E+07	1.19E+08	764.77	Improving	0.6816
TF3.3	Summer1	BP	Dinoflagellate Biomass	0.0908	8.93E+04	1.09E+06	154.99	No Trend	0.6378
TF3.3	Summer1	BP	Cyanobacteria Biomass	0.0000	4.20E+06	2.37E+06	3369.65	Degrading	0.9761
TF3.3	Summer1	BP	Chlorophyte Biomass	0.0000	6.42E+06	1.47E+06	8305.93	Improving	0.6499
TF3.3	Summer1	BP	Cryptophyte Biomass	0.0048	1.09E+06	1.28E+07	161.36	Increasing	0.4601
TF3.3	Summer1	BP	Cyanobacteria Abundance	0.0000	7.32E+05	5.77E+05	2408.54	Degrading	0.8701
RET3.1	Summer1	BP	Total Abundance	0.0000	2.11E+06	3.88E+06	1031.15	Increasing	0.9517
RET3.1	Summer1	BP	Total Biomass	0.0000	5.86E+07	2.00E+08	556.24	Increasing	0.9023
RET3.1	Summer1	BP	Biomass to Abundance Ratio	0.0493	0.755	19.553	73.33	No Trend	0.9272
RET3.1	Summer1	BP	Margalef Diversity Index	0.9114	0.002	1.286	3.50	No Trend	0.1068
RET3.1	Summer1	BP	Diatom Biomass	0.0000	4.12E+07	1.63E+08	480.23	Improving	0.8256
RET3.1	Summer1	BP	Dinoflagellate Biomass	0.6288	2.52E+04	5.65E+06	8.47	No Trend	0.7137
RET3.1	Summer1	BP	Cyanobacteria Biomass	0.0000	2.30E+06	7.98E+05	5471.49	Degrading	0.4914
RET3.1	Summer1	BP	Chlorophyte Biomass	0.0000	1.38E+06	4.80E+04	54484.13	Improving	0.8317
RET3.1	Summer1	BP	Cryptophyte Biomass	0.0000	2.64E+06	9.91E+06	506.30	Increasing	0.8670
RET3.1	Summer1	BP	Cyanobacteria Abundance	0.0000	6.20E+05	1.42E+05	8268.42	Degrading	0.6167
LE3.6	Summer1	BP	Total Abundance	0.0011	1.75E+05	3.31E+06	106.06	Increasing	0.8703
LE3.6	Summer1	BP	Total Biomass	0.0003	1.61E+07	2.71E+08	118.53	Increasing	0.3693
LE3.6	Summer1	BP	Biomass to Abundance Ratio	0.7188	0.224	72.385	6.18	No Trend	0.3567
LE3.6	Summer1	BP	Margalef Diversity Index	0.5037	-0.010	2.521	-8.15	No Trend	0.2895
LE3.6	Summer1	BP	Diatom Biomass	0.0034	8.81E+06	1.47E+08	120.26	Improving	0.7535
LE3.6	Summer1	BP	Dinoflagellate Biomass	0.0413	2.18E+06	6.58E+07	66.29	No Trend	0.3613
LE3.6	Summer1	BP	Cyanobacteria Biomass	0.0000	1.06E+05	9.87E+02	214509.40	Degrading	0.9057
LE3.6	Summer1	BP	Chlorophyte Biomass	0.0223	4.45E+04	4.34E+05	205.09	No Trend	0.5734
LE3.6	Summer1	BP	Cryptophyte Biomass	0.4008	2.34E+05	1.74E+07	26.91	No Trend	0.9158
LE3.6	Summer1	BP	Cyanobacteria Abundance	0.0000	2.33E+04	3.30E+03	14091.70	Degrading	0.9567

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
CB6.1	Summer1	BP	Total Abundance	0.2258	5.14E+04	2.96E+06	34.71	No Trend	0.9516
CB6.1	Summer1	BP	Total Biomass	0.1895	3.68E+06	1.99E+08	37.03	No Trend	0.9721
CB6.1	Summer1	BP	Biomass to Abundance Ratio	0.7878	0.158	58.957	5.37	No Trend	0.7105
CB6.1	Summer1	BP	Margalef Diversity Index	0.4003	-0.011	2.218	-9.87	No Trend	0.4039
CB6.1	Summer1	BP	Diatom Biomass	0.0746	3.24E+06	1.20E+08	53.82	No Trend	0.9297
CB6.1	Summer1	BP	Dinoflagellate Biomass	0.5904	1.24E+05	1.54E+07	16.12	No Trend	0.8561
CB6.1	Summer1	BP	Cyanobacteria Biomass	0.0000	6.38E+04	4.48E+03	28490.27	Degrading	0.9542
CB6.1	Summer1	BP	Chlorophyte Biomass	0.0014	9.74E+04	1.40E+05	1391.86	Improving	0.7605
CB6.1	Summer1	BP	Cryptophyte Biomass	0.5227	-1.30E+05	1.54E+07	-16.91	No Trend	0.4329
CB6.1	Summer1	BP	Cyanobacteria Abundance	0.0000	1.42E+04	6.08E+02	46651.64	Degrading	0.8970
CB6.4	Summer1	BP	Total Abundance	0.0023	1.45E+05	2.97E+06	97.44	Increasing	0.5662
CB6.4	Summer1	BP	Total Biomass	0.0126	6.42E+06	1.75E+08	73.19	No Trend	0.9667
CB6.4	Summer1	BP	Biomass to Abundance Ratio	0.8044	0.240	61.155	7.85	No Trend	0.9377
CB6.4	Summer1	BP	Margalef Diversity Index	0.3299	-0.011	2.233	-9.66	No Trend	0.8257
CB6.4	Summer1	BP	Diatom Biomass	0.0217	4.28E+06	1.05E+08	81.08	No Trend	0.8786
CB6.4	Summer1	BP	Dinoflagellate Biomass	0.3466	4.54E+05	2.13E+07	42.53	No Trend	0.8765
CB6.4	Summer1	BP	Cyanobacteria Biomass	0.0000	5.47E+04	0	n.e.	Degrading	0.3192
CB6.4	Summer1	BP	Chlorophyte Biomass	0.0010	7.75E+04	2.16E+05	718.59	Improving	0.5069
CB6.4	Summer1	BP	Cryptophyte Biomass	0.0693	4.08E+05	1.23E+07	66.02	No Trend	0.1697
CB6.4	Summer1	BP	Cyanobacteria Abundance	0.0000	1.10E+04	8.00E+00	2738557.66	Degrading	0.7903
CB7.3E	Summer1	BP	Total Abundance	0.0078	1.72E+05	4.58E+06	75.27	Increasing	0.2097
CB7.3E	Summer1	BP	Total Biomass	0.0000	1.84E+07	1.91E+08	193.25	Increasing	0.1206
CB7.3E	Summer1	BP	Biomass to Abundance Ratio	0.3466	0.550	74.103	14.83	No Trend	0.1220
CB7.3E	Summer1	BP	Margalef Diversity Index	0.0115	-0.029	2.691	-21.39	No Trend	0.0611
CB7.3E	Summer1	BP	Diatom Biomass	0.0006	1.24E+07	1.50E+08	165.77	Improving	0.1043
CB7.3E	Summer1	BP	Dinoflagellate Biomass	0.0139	1.28E+06	1.16E+07	219.93	No Trend	0.6203
CB7.3E	Summer1	BP	Cyanobacteria Biomass	0.0075	1.62E+04	1.82E+04	1783.22	Degrading	0.5802
CB7.3E	Summer1	BP	Chlorophyte Biomass	0.0176	1.08E+04	1.17E+05	185.31	No Trend	0.7723
CB7.3E	Summer1	BP	Cryptophyte Biomass	0.0152	5.50E+05	7.08E+06	155.32	No Trend	0.0670
CB7.3E	Summer1	BP	Cyanobacteria Abundance	0.0032	2.96E+03	1.22E+04	487.47	Degrading	0.2761
CB7.4	Summer1	BP	Total Abundance	0.0001	1.84E+05	1.79E+06	205.20	Increasing	0.4818
CB7.4	Summer1	BP	Total Biomass	0.0001	1.54E+07	1.46E+08	209.89	Increasing	0.8451
CB7.4	Summer1	BP	Biomass to Abundance Ratio	0.6320	0.277	77.816	7.12	No Trend	0.8416
CB7.4	Summer1	BP	Margalef Diversity Index	0.0004	-0.044	3.230	-26.97	Degrading	0.0470
CB7.4	Summer1	BP	Diatom Biomass	0.0001	1.29E+07	1.20E+08	215.73	Improving	0.6668
CB7.4	Summer1	BP	Dinoflagellate Biomass	0.4184	2.40E+05	1.13E+07	42.40	No Trend	0.6193
CB7.4	Summer1	BP	Cyanobacteria Biomass	0.0001	3.74E+04	3.44E+03	21755.22	Degrading	0.5953
CB7.4	Summer1	BP	Chlorophyte Biomass	0.0016	3.78E+04	9.57E+04	789.84	Improving	0.2577
CB7.4	Summer1	BP	Cryptophyte Biomass	0.0008	3.70E+05	6.98E+06	106.04	Increasing	0.8904
CB7.4	Summer1	BP	Cyanobacteria Abundance	0.0002	5.65E+03	8.00E+01	141366.41	Degrading	0.7982

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF5.5	Summer2	BP	Total Abundance	0.0715	2.00E+06	3.02E+07	125.93	No Trend	0.8894
TF5.5	Summer2	BP	Total Biomass	0.0000	1.71E+08	6.93E+08	469.05	Increasing	0.9256
TF5.5	Summer2	BP	Biomass to Abundance Ratio	0.0000	2.039	20.887	185.44	Improving	0.1102
TF5.5	Summer2	BP	Margalef Diversity Index	0.0491	-0.044	3.194	-26.03	No Trend	0.0237
TF5.5	Summer2	BP	Diatom Biomass	0.0001	7.78E+07	5.11E+08	289.25	Improving	0.7875
TF5.5	Summer2	BP	Dinoflagellate Biomass	0.0259	1.07E+05	5.58E+05	365.61	No Trend	0.0206
TF5.5	Summer2	BP	Cyanobacteria Biomass	0.1203	4.75E+06	2.38E+08	37.98	No Trend	0.9313
TF5.5	Summer2	BP	Chlorophyte Biomass	0.0001	5.18E+07	7.69E+07	1280.67	Improving	0.9449
TF5.5	Summer2	BP	Cryptophyte Biomass	0.0000	2.72E+06	1.63E+07	317.14	Increasing	0.7330
TF5.5	Summer2	BP	Cyanobacteria Abundance	0.1203	1.18E+06	1.62E+07	137.89	No Trend	0.7864
RET5.2	Summer2	BP	Total Abundance	0.1919	4.61E+05	1.31E+07	66.94	No Trend	0.9011
RET5.2	Summer2	BP	Total Biomass	0.0059	3.43E+07	3.57E+08	182.45	Increasing	0.4538
RET5.2	Summer2	BP	Biomass to Abundance Ratio	0.0040	1.300	22.485	109.84	Improving	0.0439
RET5.2	Summer2	BP	Margalef Diversity Index	0.7248	-0.004	2.034	-4.10	No Trend	0.9139
RET5.2	Summer2	BP	Diatom Biomass	0.0006	2.72E+07	3.13E+08	165.03	Improving	0.2089
RET5.2	Summer2	BP	Dinoflagellate Biomass	0.7855	0	3.93E+06	0.00	No Trend	0.1919
RET5.2	Summer2	BP	Cyanobacteria Biomass	0.5208	6.40E+05	2.05E+07	59.45	No Trend	0.8769
RET5.2	Summer2	BP	Chlorophyte Biomass	0.0623	3.21E+06	1.01E+07	605.48	No Trend	0.6787
RET5.2	Summer2	BP	Cryptophyte Biomass	0.0252	1.44E+06	1.61E+07	169.05	No Trend	0.2037
RET5.2	Summer2	BP	Cyanobacteria Abundance	0.5760	9.86E+04	2.20E+06	85.32	No Trend	0.8570
LE5.5	Summer2	BP	Total Abundance	0.0003	3.44E+05	3.86E+06	178.00	Increasing	0.5070
LE5.5	Summer2	BP	Total Biomass	0.0001	2.22E+07	2.57E+08	172.92	Increasing	0.7468
LE5.5	Summer2	BP	Biomass to Abundance Ratio	0.2942	0.722	64.761	22.29	No Trend	0.8124
LE5.5	Summer2	BP	Margalef Diversity Index	0.7931	-0.002	2.395	-2.08	No Trend	0.7822
LE5.5	Summer2	BP	Diatom Biomass	0.0019	1.68E+07	2.17E+08	155.07	Improving	0.5801
LE5.5	Summer2	BP	Dinoflagellate Biomass	0.0013	2.63E+06	2.29E+07	229.76	Degrading	0.6025
LE5.5	Summer2	BP	Cyanobacteria Biomass	0.0001	5.70E+04	3.32E+04	3434.51	Degrading	0.6889
LE5.5	Summer2	BP	Chlorophyte Biomass	0.0098	3.79E+04	1.78E+05	425.54	Improving	0.4429
LE5.5	Summer2	BP	Cryptophyte Biomass	0.0009	7.66E+05	8.47E+06	180.85	Increasing	0.8801
LE5.5	Summer2	BP	Cyanobacteria Abundance	0.0002	8.45E+03	1.71E+04	990.01	Degrading	0.7049
SBE5	Summer2	BP	Total Abundance	0.0613	1.59E+05	3.42E+06	74.40	No Trend	0.8783
SBE5	Summer2	BP	Total Biomass	0.0093	9.64E+06	6.43E+07	239.95	Increasing	0.9271
SBE5	Summer2	BP	Biomass to Abundance Ratio	0.0222	0.685	20.298	54.01	No Trend	0.9048
SBE5	Summer2	BP	Margalef Diversity Index	0.2527	0.015	1.515	16.07	No Trend	0.8077
SBE5	Summer2	BP	Diatom Biomass	0.0109	6.27E+06	4.82E+07	208.29	No Trend	0.8480
SBE5	Summer2	BP	Dinoflagellate Biomass	0.2527	2.12E+05	2.98E+06	113.60	No Trend	0.1272
SBE5	Summer2	BP	Cyanobacteria Biomass	0.0000	2.19E+05	1.95E+04	17963.47	Degrading	0.4271
SBE5	Summer2	BP	Chlorophyte Biomass	0.2579	4.52E+04	4.73E+04	1530.85	No Trend	0.9289
SBE5	Summer2	BP	Cryptophyte Biomass	0.1455	5.27E+05	5.34E+06	157.99	No Trend	0.0821
SBE5	Summer2	BP	Cyanobacteria Abundance	0.0001	4.51E+04	1.41E+03	51278.44	Degrading	0.5664

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF4.2	Summer2	BP	Total Abundance	0.2390	1.95E+05	2.61E+07	13.42	No Trend	0.3599
TF4.2	Summer2	BP	Total Biomass	0.1011	1.57E+07	5.20E+08	54.49	No Trend	0.2250
TF4.2	Summer2	BP	Biomass to Abundance Ratio	0.7291	0.420	24.039	31.43	No Trend	0.2628
TF4.2	Summer2	BP	Margalef Diversity Index	0.0919	-0.020	2.110	-17.33	No Trend	0.9727
TF4.2	Summer2	BP	Diatom Biomass	0.9816	-2.06E+05	2.79E+08	-1.33	No Trend	0.3174
TF4.2	Summer2	BP	Dinoflagellate Biomass	0.6271	9.62E+03	1.86E+06	9.31	No Trend	0.0269
TF4.2	Summer2	BP	Cyanobacteria Biomass	0.3929	1.25E+05	1.19E+08	1.88	No Trend	0.9936
TF4.2	Summer2	BP	Chlorophyte Biomass	0.0060	2.28E+06	8.81E+06	464.87	Improving	0.9742
TF4.2	Summer2	BP	Cryptophyte Biomass	0.0003	1.09E+06	6.21E+06	316.63	Increasing	0.8828
TF4.2	Summer2	BP	Cyanobacteria Abundance	0.9448	1.43E+03	1.96E+07	0.13	No Trend	0.9348
RET4.3	Summer2	BP	Total Abundance	0.0163	8.23E+05	1.52E+07	102.89	No Trend	0.7962
RET4.3	Summer2	BP	Total Biomass	0.0163	1.72E+07	5.00E+08	65.50	No Trend	0.8662
RET4.3	Summer2	BP	Biomass to Abundance Ratio	0.2781	0.335	33.333	19.12	No Trend	0.0648
RET4.3	Summer2	BP	Margalef Diversity Index	0.0204	-0.033	1.840	-33.60	No Trend	0.8393
RET4.3	Summer2	BP	Diatom Biomass	0.0584	1.27E+07	4.60E+08	52.58	No Trend	0.7111
RET4.3	Summer2	BP	Dinoflagellate Biomass	0.8814	0	5.27E+06	0.00	No Trend	0.7236
RET4.3	Summer2	BP	Cyanobacteria Biomass	0.0036	8.06E+05	1.46E+06	1045.62	Degrading	0.0528
RET4.3	Summer2	BP	Chlorophyte Biomass	0.1411	2.30E+04	3.28E+05	133.65	No Trend	0.3906
RET4.3	Summer2	BP	Cryptophyte Biomass	0.0285	1.00E+06	2.11E+07	90.41	No Trend	0.4991
RET4.3	Summer2	BP	Cyanobacteria Abundance	0.0089	8.33E+04	1.33E+05	1185.92	Degrading	0.3412
WE4.2	Summer2	BP	Total Abundance	0.1657	7.07E+04	6.60E+06	21.45	No Trend	0.7822
WE4.2	Summer2	BP	Total Biomass	0.0009	1.40E+07	2.42E+08	115.85	Increasing	0.8988
WE4.2	Summer2	BP	Biomass to Abundance Ratio	0.0610	1.035	41.765	49.55	No Trend	0.2231
WE4.2	Summer2	BP	Margalef Diversity Index	0.0561	-0.023	2.594	-17.76	No Trend	0.8888
WE4.2	Summer2	BP	Diatom Biomass	0.0007	1.27E+07	1.94E+08	131.24	Improving	0.9902
WE4.2	Summer2	BP	Dinoflagellate Biomass	0.7079	-9.18E+04	3.18E+07	-5.77	No Trend	0.5048
WE4.2	Summer2	BP	Cyanobacteria Biomass	0.0000	7.72E+04	0	n.e.	Degrading	0.9913
WE4.2	Summer2	BP	Chlorophyte Biomass	0.0058	3.93E+04	1.30E+03	60568.80	Improving	0.9594
WE4.2	Summer2	BP	Cryptophyte Biomass	0.8809	1.75E+04	1.31E+07	2.67	No Trend	0.8297
WE4.2	Summer2	BP	Cyanobacteria Abundance	0.0000	1.01E+04	0	n.e.	Degrading	0.7843

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF3.3	Summer2	BP	Total Abundance	0.0000	2.07E+06	7.64E+06	515.66	Increasing	0.9773
TF3.3	Summer2	BP	Total Biomass	0.0000	8.19E+07	1.63E+08	956.59	Increasing	0.9760
TF3.3	Summer2	BP	Biomass to Abundance Ratio	0.0011	1.100	19.923	104.89	Improving	0.8291
TF3.3	Summer2	BP	Margalef Diversity Index	0.2597	0.014	1.813	14.18	No Trend	0.9960
TF3.3	Summer2	BP	Diatom Biomass	0.0000	4.84E+07	1.17E+08	784.29	Improving	0.6768
TF3.3	Summer2	BP	Dinoflagellate Biomass	0.0498	2.32E+05	1.09E+06	402.82	No Trend	0.7117
TF3.3	Summer2	BP	Cyanobacteria Biomass	0.0000	5.14E+06	6.42E+06	1520.70	Degrading	0.9197
TF3.3	Summer2	BP	Chlorophyte Biomass	0.0002	4.75E+06	2.87E+06	3142.62	Improving	0.8153
TF3.3	Summer2	BP	Cryptophyte Biomass	0.0089	1.23E+06	1.15E+07	204.59	Increasing	0.2936
TF3.3	Summer2	BP	Cyanobacteria Abundance	0.0003	8.97E+05	9.99E+05	1706.57	Degrading	0.7541
RET3.1	Summer2	BP	Total Abundance	0.0000	2.08E+06	3.88E+06	1019.40	Increasing	0.8747
RET3.1	Summer2	BP	Total Biomass	0.0000	6.05E+07	2.00E+08	573.66	Increasing	0.8813
RET3.1	Summer2	BP	Biomass to Abundance Ratio	0.1311	0.607	19.763	58.31	No Trend	0.8591
RET3.1	Summer2	BP	Margalef Diversity Index	0.5950	0.007	1.498	8.57	No Trend	0.0695
RET3.1	Summer2	BP	Diatom Biomass	0.0000	4.46E+07	1.63E+08	518.94	Improving	0.7974
RET3.1	Summer2	BP	Dinoflagellate Biomass	0.3936	8.25E+04	5.65E+06	27.77	No Trend	0.7514
RET3.1	Summer2	BP	Cyanobacteria Biomass	0.0000	2.19E+06	7.98E+05	5211.57	Degrading	0.3788
RET3.1	Summer2	BP	Chlorophyte Biomass	0.0000	1.28E+06	1.40E+05	17338.38	Improving	0.8680
RET3.1	Summer2	BP	Cryptophyte Biomass	0.0000	2.12E+06	1.29E+07	312.56	Increasing	0.9625
RET3.1	Summer2	BP	Cyanobacteria Abundance	0.0001	6.50E+05	2.16E+05	5716.08	Degrading	0.5410
LE3.6	Summer2	BP	Total Abundance	0.0021	1.68E+05	3.15E+06	106.39	Increasing	0.7880
LE3.6	Summer2	BP	Total Biomass	0.0046	1.34E+07	2.56E+08	104.68	Increasing	0.2374
LE3.6	Summer2	BP	Biomass to Abundance Ratio	0.7830	-0.346	90.431	-7.66	No Trend	0.3971
LE3.6	Summer2	BP	Margalef Diversity Index	0.9373	0.001	2.521	0.46	No Trend	0.3732
LE3.6	Summer2	BP	Diatom Biomass	0.0147	7.01E+06	1.34E+08	104.62	No Trend	0.5588
LE3.6	Summer2	BP	Dinoflagellate Biomass	0.2706	9.17E+05	6.58E+07	27.87	No Trend	0.4957
LE3.6	Summer2	BP	Cyanobacteria Biomass	0.0000	8.69E+04	3.86E+02	450296.30	Degrading	0.9519
LE3.6	Summer2	BP	Chlorophyte Biomass	0.0111	6.72E+04	3.29E+05	408.71	No Trend	0.7072
LE3.6	Summer2	BP	Cryptophyte Biomass	0.2881	2.91E+05	1.55E+07	37.41	No Trend	0.9789
LE3.6	Summer2	BP	Cyanobacteria Abundance	0.0000	1.80E+04	4.80E+01	748354.91	Degrading	0.8574

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
CB6.1	Summer2	BP	Total Abundance	0.3093	5.82E+04	2.98E+06	39.04	No Trend	0.8445
CB6.1	Summer2	BP	Total Biomass	0.2742	3.65E+06	1.94E+08	37.62	No Trend	0.8933
CB6.1	Summer2	BP	Biomass to Abundance Ratio	0.8629	-0.072	58.957	-2.45	No Trend	0.7079
CB6.1	Summer2	BP	Margalef Diversity Index	0.1987	-0.018	2.218	-15.90	No Trend	0.4425
CB6.1	Summer2	BP	Diatom Biomass	0.1502	2.91E+06	1.20E+08	48.39	No Trend	0.8172
CB6.1	Summer2	BP	Dinoflagellate Biomass	0.6045	1.38E+05	9.72E+06	28.29	No Trend	0.6837
CB6.1	Summer2	BP	Cyanobacteria Biomass	0.0000	7.19E+04	4.48E+03	32102.15	Degrading	0.8570
CB6.1	Summer2	BP	Chlorophyte Biomass	0.0046	9.14E+04	9.33E+04	1958.72	Improving	0.5610
CB6.1	Summer2	BP	Cryptophyte Biomass	0.7155	-9.62E+04	1.54E+07	-12.50	No Trend	0.2717
CB6.1	Summer2	BP	Cyanobacteria Abundance	0.0000	1.48E+04	6.08E+02	48722.81	Degrading	0.7609
CB6.4	Summer2	BP	Total Abundance	0.0010	1.60E+05	2.42E+06	132.57	Increasing	0.9335
CB6.4	Summer2	BP	Total Biomass	0.0202	7.87E+06	1.65E+08	95.69	No Trend	0.9296
CB6.4	Summer2	BP	Biomass to Abundance Ratio	0.9403	-0.055	64.031	-1.73	No Trend	0.9819
CB6.4	Summer2	BP	Margalef Diversity Index	0.5999	-0.008	2.146	-7.79	No Trend	0.8022
CB6.4	Summer2	BP	Diatom Biomass	0.0183	5.28E+06	8.39E+07	125.83	No Trend	0.9710
CB6.4	Summer2	BP	Dinoflagellate Biomass	0.3118	4.69E+05	1.23E+07	76.38	No Trend	0.7735
CB6.4	Summer2	BP	Cyanobacteria Biomass	0.0000	4.87E+04	0	n.e.	Degrading	0.2440
CB6.4	Summer2	BP	Chlorophyte Biomass	0.0021	1.15E+05	4.01E+05	574.42	Improving	0.3513
CB6.4	Summer2	BP	Cryptophyte Biomass	0.0127	5.35E+05	6.22E+06	171.86	No Trend	0.5339
CB6.4	Summer2	BP	Cyanobacteria Abundance	0.0000	1.03E+04	8.00E+00	2576564.36	Degrading	0.7394
CB7.3E	Summer2	BP	Total Abundance	0.0394	1.56E+05	2.92E+06	106.80	No Trend	0.1186
CB7.3E	Summer2	BP	Total Biomass	0.0005	2.34E+07	1.72E+08	271.19	Increasing	0.0552
CB7.3E	Summer2	BP	Biomass to Abundance Ratio	0.3490	0.938	79.914	23.47	No Trend	0.0570
CB7.3E	Summer2	BP	Margalef Diversity Index	0.1156	-0.021	2.564	-16.14	No Trend	0.0588
CB7.3E	Summer2	BP	Diatom Biomass	0.0027	1.74E+07	1.50E+08	231.63	Improving	0.0462
CB7.3E	Summer2	BP	Dinoflagellate Biomass	0.0993	8.01E+05	1.06E+07	151.08	No Trend	0.6952
CB7.3E	Summer2	BP	Cyanobacteria Biomass	0.0981	6.51E+02	6.29E+05	2.07	No Trend	0.9887
CB7.3E	Summer2	BP	Chlorophyte Biomass	0.0949	1.04E+03	1.17E+05	17.77	No Trend	0.7933
CB7.3E	Summer2	BP	Cryptophyte Biomass	0.0394	4.50E+05	5.12E+06	175.53	No Trend	0.0280
CB7.3E	Summer2	BP	Cyanobacteria Abundance	0.0917	1.71E+02	1.44E+05	2.38	No Trend	0.7579
CB7.4	Summer2	BP	Total Abundance	0.0013	1.88E+05	1.79E+06	209.84	Increasing	0.3111
CB7.4	Summer2	BP	Total Biomass	0.0019	1.65E+07	1.46E+08	225.72	Increasing	0.7437
CB7.4	Summer2	BP	Biomass to Abundance Ratio	0.9403	0.051	107.778	0.94	No Trend	0.8545
CB7.4	Summer2	BP	Margalef Diversity Index	0.0078	-0.040	3.230	-24.52	Degrading	0.0263
CB7.4	Summer2	BP	Diatom Biomass	0.0007	1.38E+07	1.20E+08	231.02	Improving	0.4582
CB7.4	Summer2	BP	Dinoflagellate Biomass	0.5001	2.24E+05	1.13E+07	39.65	No Trend	0.4113
CB7.4	Summer2	BP	Cyanobacteria Biomass	0.0033	3.36E+04	8.39E+03	8013.21	Degrading	0.6503
CB7.4	Summer2	BP	Chlorophyte Biomass	0.0208	1.72E+04	9.57E+04	359.19	No Trend	0.1940
CB7.4	Summer2	BP	Cryptophyte Biomass	0.0039	3.02E+05	6.28E+06	96.11	Increasing	0.7313
CB7.4	Summer2	BP	Cyanobacteria Abundance	0.0053	4.91E+03	3.38E+03	2900.34	Degrading	0.9679

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF5.5	Winter	BP	Total Abundance	0.0026	7.66E+05	2.98E+06	385.10	Increasing	1.0000
TF5.5	Winter	BP	Total Biomass	0.0000	3.31E+07	6.92E+07	718.77	Increasing	0.2078
TF5.5	Winter	BP	Biomass to Abundance Ratio	0.0209	4.274	25.226	254.15	No Trend	0.4840
TF5.5	Winter	BP	Margalef Diversity Index	0.3272	0.012	1.438	12.72	No Trend	0.3629
TF5.5	Winter	BP	Diatom Biomass	0.0006	2.49E+07	5.89E+07	633.93	Improving	0.1236
TF5.5	Winter	BP	Dinoflagellate Biomass	0.0551	-3.32E+03	1.15E+06	-4.33	No Trend	0.5412
TF5.5	Winter	BP	Cyanobacteria Biomass	0.0002	4.42E+05	7.31E+04	9074.41	Degrading	0.3272
TF5.5	Winter	BP	Chlorophyte Biomass	0.0000	5.21E+06	4.69E+05	16693.03	Improving	0.7264
TF5.5	Winter	BP	Cryptophyte Biomass	0.0251	1.94E+06	3.52E+06	825.07	No Trend	0.5288
TF5.5	Winter	BP	Cyanobacteria Abundance	0.0004	1.32E+05	1.02E+05	1954.47	Degrading	0.8887
RET5.2	Winter	BP	Total Abundance	0.0188	5.99E+05	3.97E+06	226.65	No Trend	0.8472
RET5.2	Winter	BP	Total Biomass	0.0004	6.28E+07	1.47E+08	638.73	Increasing	0.5844
RET5.2	Winter	BP	Biomass to Abundance Ratio	0.0188	3.201	25.094	191.35	No Trend	0.3525
RET5.2	Winter	BP	Margalef Diversity Index	0.1863	0.022	1.718	18.93	No Trend	0.3053
RET5.2	Winter	BP	Diatom Biomass	0.0042	4.21E+07	1.41E+08	448.25	Improving	0.9981
RET5.2	Winter	BP	Dinoflagellate Biomass	0.9355	0	0	n.e.	No Trend	0.0743
RET5.2	Winter	BP	Cyanobacteria Biomass	0.0026	6.78E+05	4.97E+05	2046.00	Degrading	0.6620
RET5.2	Winter	BP	Chlorophyte Biomass	0.0000	1.53E+07	1.48E+06	15517.25	Improving	0.6123
RET5.2	Winter	BP	Cryptophyte Biomass	0.0780	1.59E+06	1.05E+07	227.00	No Trend	0.6696
RET5.2	Winter	BP	Cyanobacteria Abundance	0.0026	1.87E+05	1.65E+05	1699.49	Degrading	0.8868
LE5.5	Winter	BP	Total Abundance	0.7479	-3.91E+04	1.50E+07	-4.94	No Trend	0.7888
LE5.5	Winter	BP	Total Biomass	0.7479	7.13E+06	6.81E+08	19.89	No Trend	0.1203
LE5.5	Winter	BP	Biomass to Abundance Ratio	0.3625	1.800	35.897	95.27	No Trend	0.5204
LE5.5	Winter	BP	Margalef Diversity Index	0.4533	0.016	2.560	12.04	No Trend	0.1805
LE5.5	Winter	BP	Diatom Biomass	0.8723	2.43E+06	5.33E+08	8.68	No Trend	0.1637
LE5.5	Winter	BP	Dinoflagellate Biomass	0.0418	3.22E+06	1.79E+07	342.37	No Trend	0.7077
LE5.5	Winter	BP	Cyanobacteria Biomass	0.0002	4.56E+04	0	n.e.	Degrading	0.9044
LE5.5	Winter	BP	Chlorophyte Biomass	0.0069	3.94E+04	1.87E+05	401.49	Improving	0.9495
LE5.5	Winter	BP	Cryptophyte Biomass	0.0475	5.05E+05	1.93E+07	49.67	No Trend	0.4533
LE5.5	Winter	BP	Cyanobacteria Abundance	0.0002	6.38E+03	0	n.e.	Degrading	0.6871
SBE5	Winter	BP	Total Abundance	0.9723	2.29E+04	3.11E+06	11.76	No Trend	0.3760
SBE5	Winter	BP	Total Biomass	0.7543	-4.11E+06	1.51E+08	-43.57	No Trend	0.6184
SBE5	Winter	BP	Biomass to Abundance Ratio	0.6512	-0.704	45.583	-24.71	No Trend	0.9513
SBE5	Winter	BP	Margalef Diversity Index	0.4652	-0.015	3.049	-8.07	No Trend	0.5498
SBE5	Winter	BP	Diatom Biomass	0.6512	-3.54E+06	1.21E+08	-46.90	No Trend	0.7314
SBE5	Winter	BP	Dinoflagellate Biomass	0.8620	-1.02E+05	1.86E+07	-8.79	No Trend	0.0056
SBE5	Winter	BP	Cyanobacteria Biomass	0.0875	5.15E+04	7.27E+04	1134.35	No Trend	0.9451
SBE5	Winter	BP	Chlorophyte Biomass	0.0260	2.13E+05	1.98E+04	17230.77	No Trend	0.9942
SBE5	Winter	BP	Cryptophyte Biomass	0.2236	3.21E+05	5.74E+06	89.45	No Trend	0.6112
SBE5	Winter	BP	Cyanobacteria Abundance	0.0134	1.03E+04	1.50E+04	1102.22	No Trend	0.5254

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF4.2	Winter	BP	Total Abundance	0.0100	3.27E+05	2.86E+06	171.37	No Trend	0.4343
TF4.2	Winter	BP	Total Biomass	0.0125	9.57E+06	3.63E+07	395.32	No Trend	0.6896
TF4.2	Winter	BP	Biomass to Abundance Ratio	0.3767	-1.030	27.241	-56.74	No Trend	0.6225
TF4.2	Winter	BP	Margalef Diversity Index	0.2994	-0.021	1.756	-17.96	No Trend	0.6341
TF4.2	Winter	BP	Diatom Biomass	0.0234	6.79E+06	3.18E+07	320.05	No Trend	0.7799
TF4.2	Winter	BP	Dinoflagellate Biomass	1.0000	0	3.66E+05	0.00	No Trend	0.1114
TF4.2	Winter	BP	Cyanobacteria Biomass	0.0024	2.71E+05	9.87E+04	4115.78	Degrading	0.4636
TF4.2	Winter	BP	Chlorophyte Biomass	0.2047	6.30E+05	1.53E+06	616.21	No Trend	0.1898
TF4.2	Winter	BP	Cryptophyte Biomass	0.0984	1.16E+06	1.06E+07	164.42	No Trend	0.6812
TF4.2	Winter	BP	Cyanobacteria Abundance	0.0001	1.33E+05	9.90E+04	2021.06	Degrading	0.9361
RET4.3	Winter	BP	Total Abundance	0.0500	6.17E+05	7.09E+06	130.46	No Trend	0.9442
RET4.3	Winter	BP	Total Biomass	0.4414	1.61E+07	5.44E+08	44.37	No Trend	0.7795
RET4.3	Winter	BP	Biomass to Abundance Ratio	0.8887	0.245	60.556	6.08	No Trend	0.9442
RET4.3	Winter	BP	Margalef Diversity Index	0.6745	-0.017	2.033	-12.62	No Trend	0.6242
RET4.3	Winter	BP	Diatom Biomass	0.7264	4.78E+06	5.06E+08	14.15	No Trend	0.5756
RET4.3	Winter	BP	Dinoflagellate Biomass	0.8608	6.37E+03	1.22E+07	0.79	No Trend	0.6994
RET4.3	Winter	BP	Cyanobacteria Biomass	0.0588	1.54E+05	1.07E+06	216.24	No Trend	0.8887
RET4.3	Winter	BP	Chlorophyte Biomass	0.0106	3.89E+05	3.59E+05	1625.01	No Trend	0.8052
RET4.3	Winter	BP	Cryptophyte Biomass	0.0173	1.28E+06	9.57E+06	201.02	No Trend	0.8337
RET4.3	Winter	BP	Cyanobacteria Abundance	0.0051	6.52E+04	3.59E+04	2724.94	Degrading	0.8337
WE4.2	Winter	BP	Total Abundance	0.9778	6.83E+03	9.16E+06	1.42	No Trend	0.2088
WE4.2	Winter	BP	Total Biomass	0.0276	3.37E+07	3.64E+08	175.94	No Trend	0.4389
WE4.2	Winter	BP	Biomass to Abundance Ratio	0.0009	5.624	40.084	266.56	Improving	0.6150
WE4.2	Winter	BP	Margalef Diversity Index	0.8891	-0.003	2.582	-2.17	No Trend	0.6707
WE4.2	Winter	BP	Diatom Biomass	0.1395	2.16E+07	2.99E+08	136.94	No Trend	0.7632
WE4.2	Winter	BP	Dinoflagellate Biomass	0.0009	5.48E+06	1.88E+07	553.85	Degrading	0.7796
WE4.2	Winter	BP	Cyanobacteria Biomass	0.0011	5.40E+04	0	n.e.	Degrading	0.7810
WE4.2	Winter	BP	Chlorophyte Biomass	0.0052	5.81E+04	0	n.e.	Improving	0.6248
WE4.2	Winter	BP	Cryptophyte Biomass	0.0095	8.29E+05	6.08E+06	258.91	Increasing	0.7142
WE4.2	Winter	BP	Cyanobacteria Abundance	0.0015	4.78E+03	8.29E+03	1094.85	Degrading	0.8345

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
TF3.3	Winter	BP	Total Abundance	0.0002	5.47E+05	3.64E+06	225.54	Increasing	0.6891
TF3.3	Winter	BP	Total Biomass	0.0012	2.28E+07	1.16E+08	294.64	Increasing	0.0678
TF3.3	Winter	BP	Biomass to Abundance Ratio	0.1863	1.465	28.995	75.79	No Trend	0.5509
TF3.3	Winter	BP	Margalef Diversity Index	0.3783	0.011	1.495	11.18	No Trend	0.9058
TF3.3	Winter	BP	Diatom Biomass	0.0016	1.37E+07	1.01E+08	202.47	Improving	0.0402
TF3.3	Winter	BP	Dinoflagellate Biomass	0.3409	0	1.92E+05	0.00	No Trend	0.9481
TF3.3	Winter	BP	Cyanobacteria Biomass	0.0332	4.38E+05	1.16E+06	564.49	No Trend	0.3982
TF3.3	Winter	BP	Chlorophyte Biomass	0.0020	9.97E+05	6.13E+05	2438.98	Improving	0.7190
TF3.3	Winter	BP	Cryptophyte Biomass	0.1231	1.06E+06	4.99E+06	318.43	No Trend	0.7157
TF3.3	Winter	BP	Cyanobacteria Abundance	0.0007	2.20E+05	1.49E+05	2209.43	Degrading	0.8434
RET3.1	Winter	BP	Total Abundance	0.0913	3.27E+05	6.95E+06	70.56	No Trend	0.8158
RET3.1	Winter	BP	Total Biomass	0.0563	1.85E+07	2.67E+08	103.77	No Trend	0.2915
RET3.1	Winter	BP	Biomass to Abundance Ratio	0.1420	1.677	32.357	77.76	No Trend	0.4607
RET3.1	Winter	BP	Margalef Diversity Index	0.0276	0.031	1.451	32.48	No Trend	0.2848
RET3.1	Winter	BP	Diatom Biomass	0.1863	1.20E+07	2.39E+08	75.27	No Trend	0.2410
RET3.1	Winter	BP	Dinoflagellate Biomass	0.8532	0	7.07E+06	0.00	No Trend	0.4748
RET3.1	Winter	BP	Cyanobacteria Biomass	0.3398	4.59E+04	5.99E+05	115.00	No Trend	0.9211
RET3.1	Winter	BP	Chlorophyte Biomass	0.0001	5.47E+05	2.06E+04	39791.36	Improving	0.8380
RET3.1	Winter	BP	Cryptophyte Biomass	0.1231	1.09E+06	8.12E+06	201.60	No Trend	0.7157
RET3.1	Winter	BP	Cyanobacteria Abundance	0.0154	4.21E+04	5.03E+04	1254.69	No Trend	0.3633
LE3.6	Winter	BP	Total Abundance	0.1942	2.63E+05	1.03E+07	48.45	No Trend	0.7109
LE3.6	Winter	BP	Total Biomass	0.1031	2.77E+07	4.99E+08	105.65	No Trend	0.9909
LE3.6	Winter	BP	Biomass to Abundance Ratio	0.3620	1.263	54.514	44.00	No Trend	0.4427
LE3.6	Winter	BP	Margalef Diversity Index	0.1153	-0.024	2.347	-19.36	No Trend	0.3985
LE3.6	Winter	BP	Diatom Biomass	0.2138	1.93E+07	4.65E+08	78.65	No Trend	0.8068
LE3.6	Winter	BP	Dinoflagellate Biomass	0.0000	2.27E+06	1.33E+07	323.83	Degrading	0.6985
LE3.6	Winter	BP	Cyanobacteria Biomass	0.0005	9.59E+04	5.10E+03	35756.71	Degrading	0.2452
LE3.6	Winter	BP	Chlorophyte Biomass	0.0551	5.85E+02	1.87E+05	5.95	No Trend	0.7284
LE3.6	Winter	BP	Cryptophyte Biomass	0.0270	5.81E+05	1.43E+07	76.97	No Trend	0.1008
LE3.6	Winter	BP	Cyanobacteria Abundance	0.0018	8.35E+03	6.40E+01	247757.03	Degrading	0.7505

Appendix E. Continued.

Station	Season	Layer	Parameter	P value	Slope	Baseline	Percent Change	Direction	Homogeneity test P value
CB6.1	Winter	BP	Total Abundance	0.1942	-2.26E+05	9.61E+06	-44.79	No Trend	0.3821
CB6.1	Winter	BP	Total Biomass	0.4231	-1.15E+07	7.34E+08	-29.69	No Trend	0.1994
CB6.1	Winter	BP	Biomass to Abundance Ratio	0.4898	1.063	58.123	34.75	No Trend	0.0108
CB6.1	Winter	BP	Margalef Diversity Index	0.1432	-0.024	2.190	-21.24	No Trend	0.4681
CB6.1	Winter	BP	Diatom Biomass	0.1942	-1.45E+07	6.74E+08	-40.77	No Trend	0.2020
CB6.1	Winter	BP	Dinoflagellate Biomass	0.2138	9.20E+05	2.01E+07	87.14	No Trend	0.8068
CB6.1	Winter	BP	Cyanobacteria Biomass	0.0202	8.29E+02	0	n.e.	No Trend	0.9230
CB6.1	Winter	BP	Chlorophyte Biomass	0.3407	9.37E+02	1.89E+05	9.39	No Trend	0.6585
CB6.1	Winter	BP	Cryptophyte Biomass	0.3336	2.54E+05	1.93E+07	25.03	No Trend	0.5225
CB6.1	Winter	BP	Cyanobacteria Abundance	0.0244	1.66E+03	0	n.e.	No Trend	0.9992
CB6.4	Winter	BP	Total Abundance	0.4862	-9.29E+04	6.59E+06	-26.79	No Trend	0.7479
CB6.4	Winter	BP	Total Biomass	0.5204	9.79E+06	1.12E+09	16.58	No Trend	0.3088
CB6.4	Winter	BP	Biomass to Abundance Ratio	0.0538	3.745	119.769	59.42	No Trend	0.0475
CB6.4	Winter	BP	Margalef Diversity Index	0.4217	0.021	2.169	17.99	No Trend	0.6683
CB6.4	Winter	BP	Diatom Biomass	0.6683	6.51E+06	1.08E+09	11.45	No Trend	0.3088
CB6.4	Winter	BP	Dinoflagellate Biomass	0.0038	2.17E+06	1.53E+07	269.61	Degrading	0.4217
CB6.4	Winter	BP	Cyanobacteria Biomass	0.0003	1.34E+04	0	n.e.	Degrading	0.8442
CB6.4	Winter	BP	Chlorophyte Biomass	0.0588	9.75E+02	3.73E+05	4.96	No Trend	0.5159
CB6.4	Winter	BP	Cryptophyte Biomass	0.3625	1.36E+05	8.71E+06	29.64	No Trend	0.8303
CB6.4	Winter	BP	Cyanobacteria Abundance	0.0003	2.04E+03	0	n.e.	Degrading	0.9155
CB7.3E	Winter	BP	Total Abundance	0.3789	-6.50E+04	6.04E+06	-20.45	No Trend	0.4890
CB7.3E	Winter	BP	Total Biomass	0.6503	4.26E+06	3.00E+08	26.96	No Trend	0.3831
CB7.3E	Winter	BP	Biomass to Abundance Ratio	0.8103	0.321	67.093	9.10	No Trend	0.0681
CB7.3E	Winter	BP	Margalef Diversity Index	0.2743	-0.022	3.053	-13.77	No Trend	0.1204
CB7.3E	Winter	BP	Diatom Biomass	0.6892	4.12E+06	2.79E+08	28.04	No Trend	0.4800
CB7.3E	Winter	BP	Dinoflagellate Biomass	0.0583	8.20E+05	2.94E+07	52.97	No Trend	0.4707
CB7.3E	Winter	BP	Cyanobacteria Biomass	0.0110	1.41E+04	0	n.e.	No Trend	0.6463
CB7.3E	Winter	BP	Chlorophyte Biomass	0.7545	0	2.40E+03	0.00	No Trend	0.7479
CB7.3E	Winter	BP	Cryptophyte Biomass	0.5937	2.26E+05	6.33E+06	67.67	No Trend	0.6735
CB7.3E	Winter	BP	Cyanobacteria Abundance	0.0463	2.71E+03	0	n.e.	No Trend	0.8268
CB7.4	Winter	BP	Total Abundance	0.6072	3.03E+04	4.71E+06	12.21	No Trend	0.9752
CB7.4	Winter	BP	Total Biomass	0.1361	1.50E+07	2.38E+08	119.83	No Trend	0.3769
CB7.4	Winter	BP	Biomass to Abundance Ratio	0.3549	2.362	72.886	61.57	No Trend	0.6910
CB7.4	Winter	BP	Margalef Diversity Index	0.7972	0.003	2.892	1.98	No Trend	0.5297
CB7.4	Winter	BP	Diatom Biomass	0.0720	1.56E+07	1.96E+08	151.36	No Trend	0.1908
CB7.4	Winter	BP	Dinoflagellate Biomass	0.1000	9.34E+05	4.82E+06	368.24	No Trend	0.6162
CB7.4	Winter	BP	Cyanobacteria Biomass	0.0030	3.59E+02	0	n.e.	Degrading	0.3528
CB7.4	Winter	BP	Chlorophyte Biomass	0.5752	0	7.46E+05	0.00	No Trend	0.0183
CB7.4	Winter	BP	Cryptophyte Biomass	0.8775	6.19E+04	9.15E+06	12.86	No Trend	0.1509
CB7.4	Winter	BP	Cyanobacteria Abundance	0.0169	2.35E+01	1.60E+01	2786.67	No Trend	0.4254

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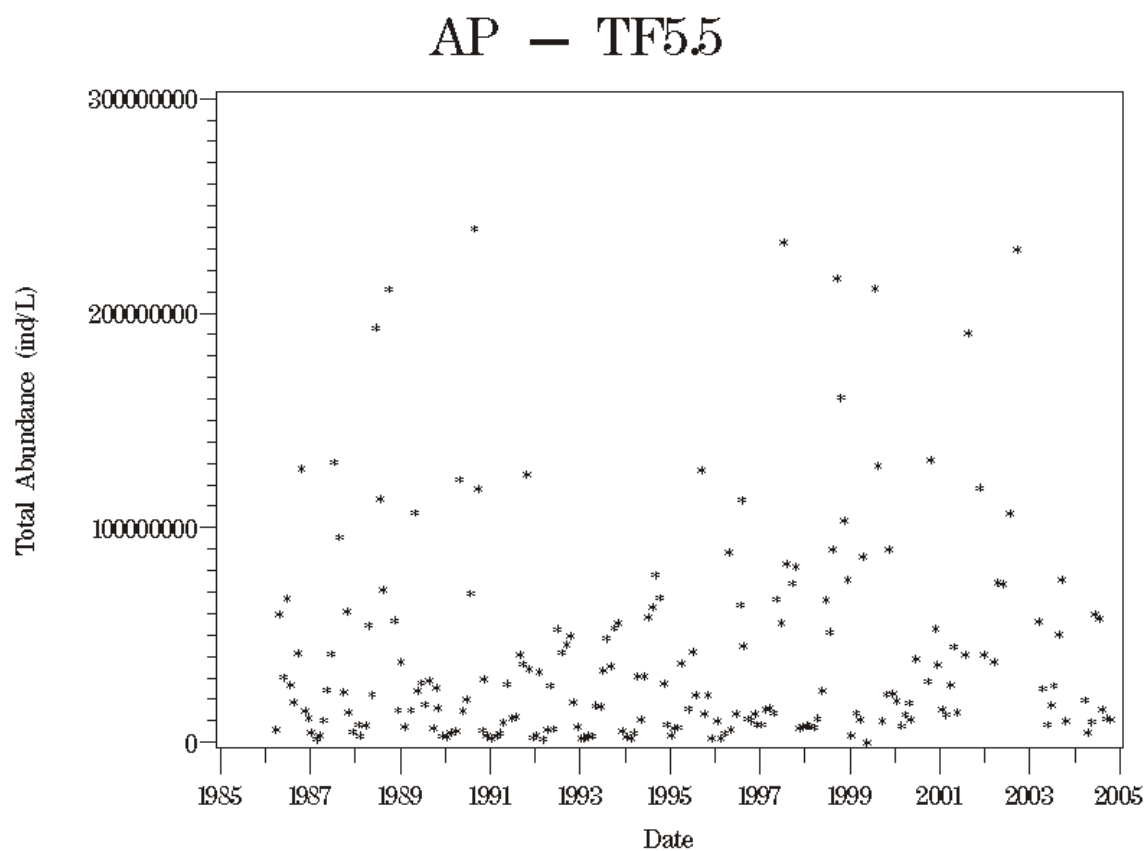


Figure F1. Plot of above pycnocline total phytoplankton abundance against time at station TF5.5 for the period of 1985 through 2004.

AP – TF5.5

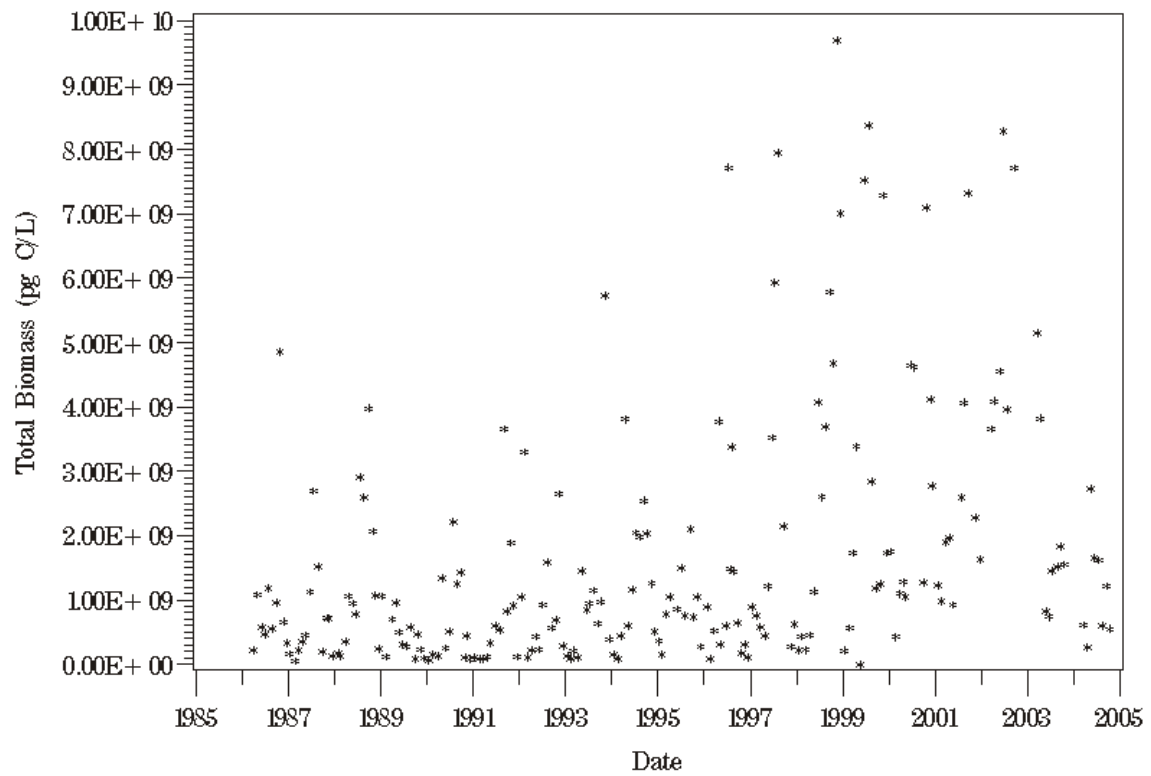


Figure F2. Plot of above pycnocline total phytoplankton biomass against time at station TF5.5 for the period of 1985 through 2004.

AP – TF5.5

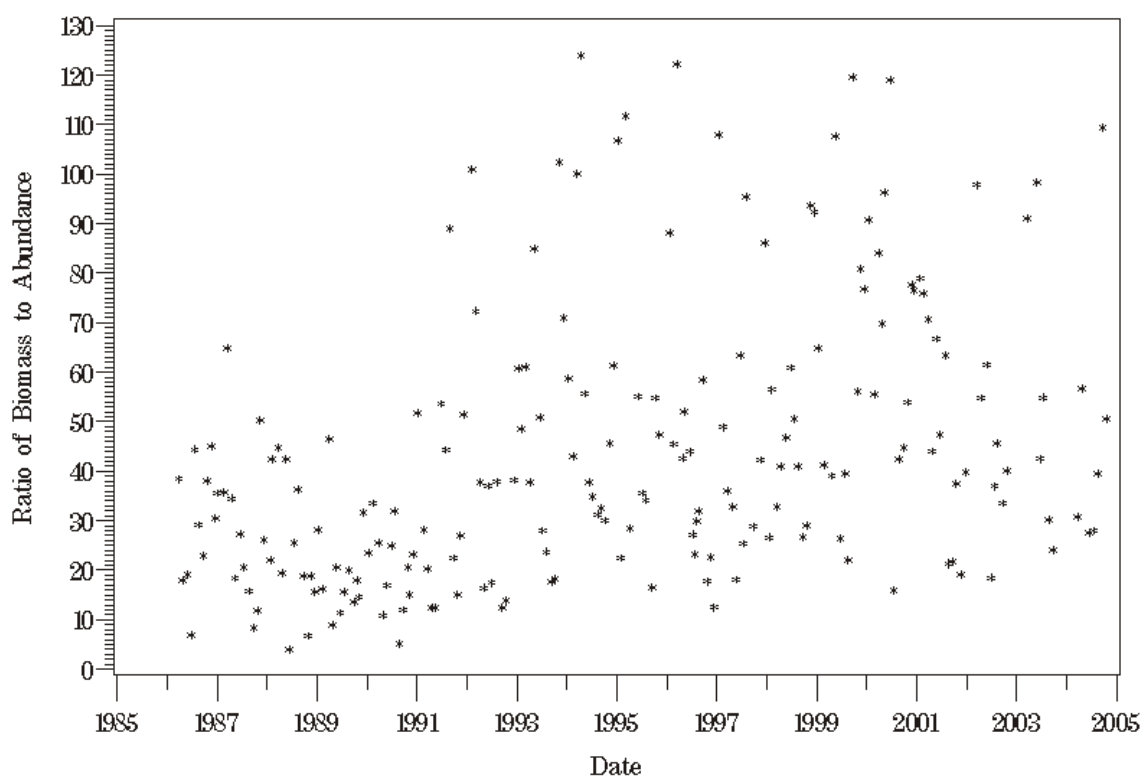


Figure F3. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station TF5.5 for the period of 1985 through 2004.

AP – TF5.5

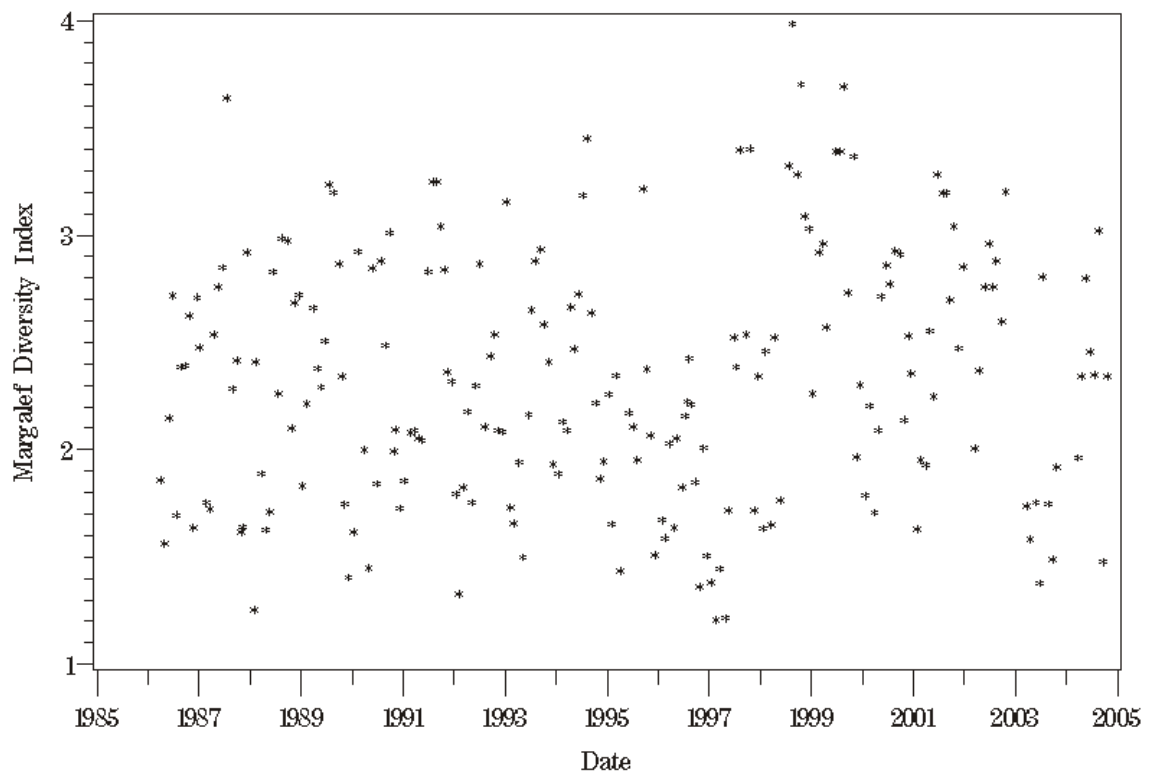


Figure F4. Plot of above pycnocline Margalef diversity index against time at station TF5.5 for the period of 1985 through 2004.

AP – TF5.5

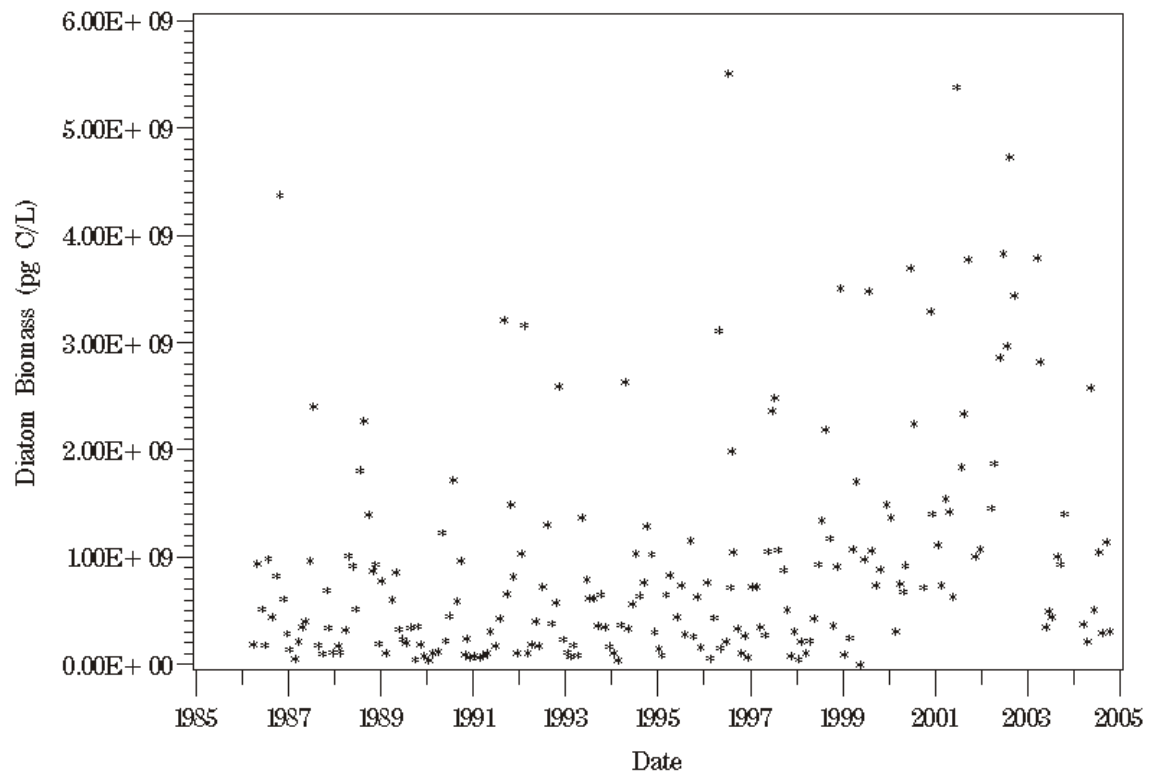


Figure F5. Plot of above pycnocline diatom biomass against time at station TF5.5 for the period of 1985 through 2004.

AP – TF5.5

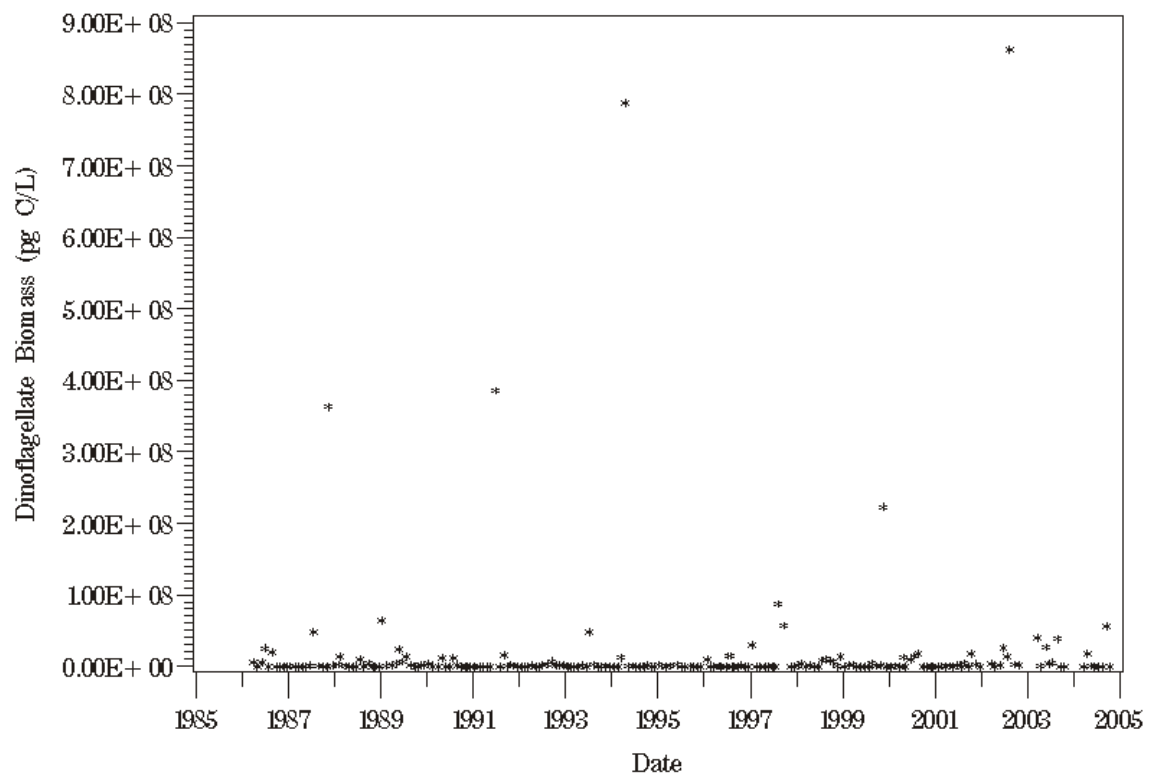


Figure F6. Plot of above pycnocline dinoflagellate biomass against time at station TF5.5 for the period of 1985 through 2004.

AP – TF5.5

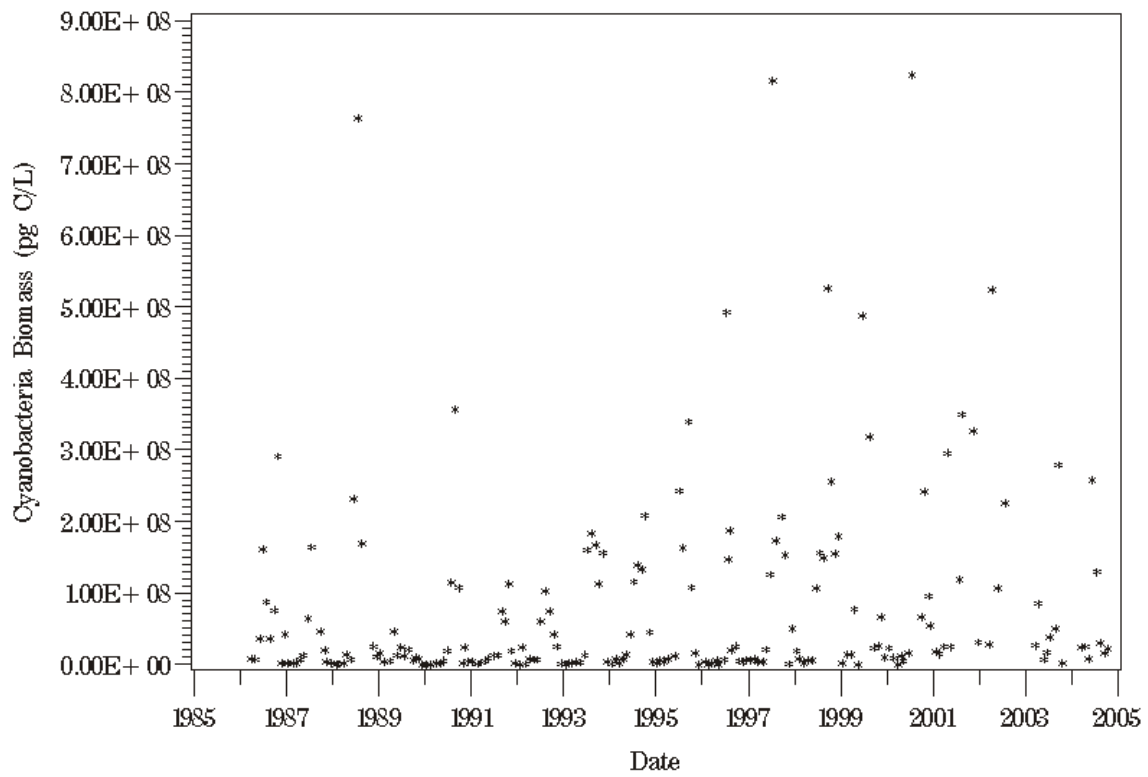


Figure F7. Plot of above pycnocline cyanobacteria biomass against time at station TF5.5 for the period of 1985 through 2004.

AP – TF5.5

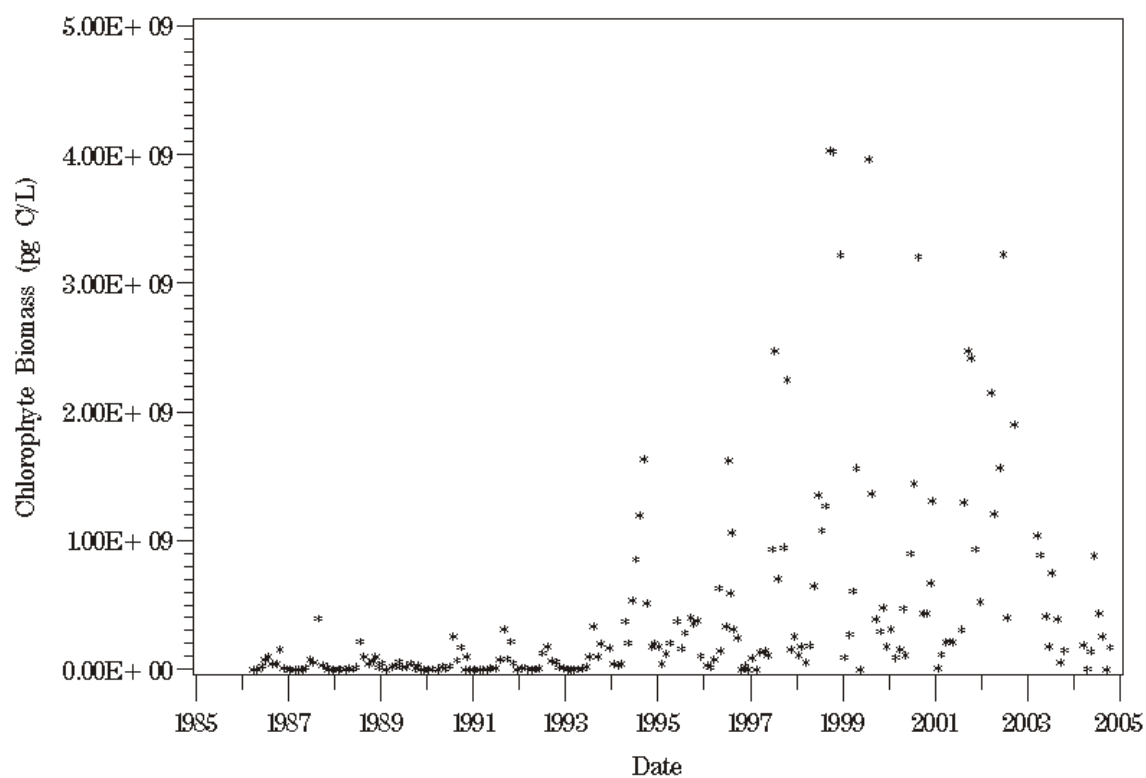


Figure F8. Plot of above pycnocline chlorophyte biomass against time at station TF5.5 for the period of 1985 through 2004.

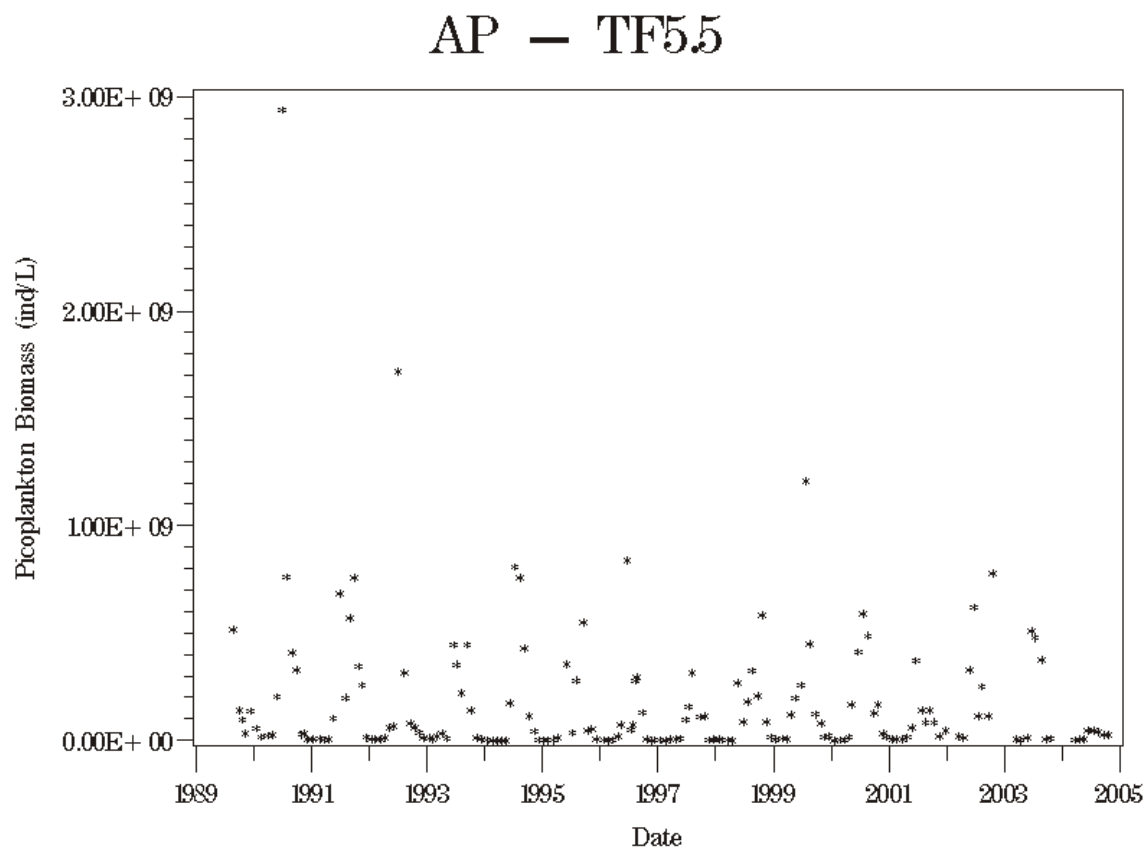


Figure F9. Plot of above pycnocline picoplankton biomass against time at station TF5.5 for the period of 1985 through 2004.

AP – TF5.5

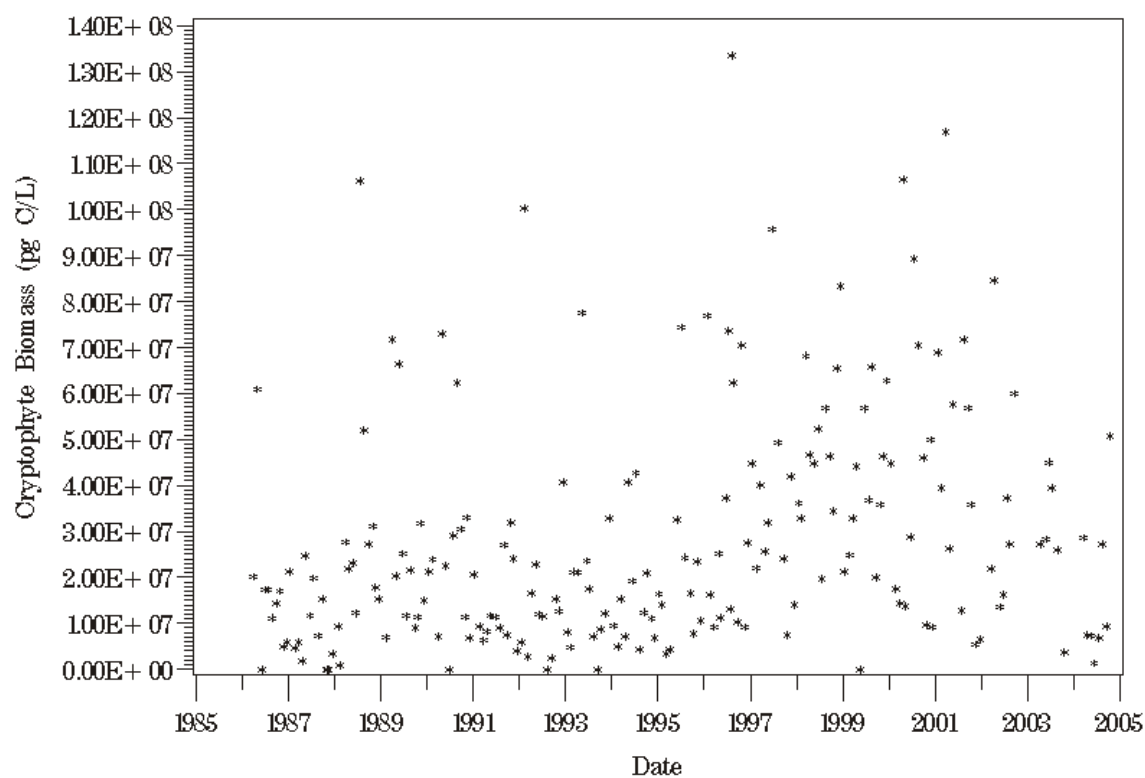


Figure F10. Plot of above pycnocline cryptophyte biomass at station TF5.5 for the period of 1985 through 2004.

AP – TF5.5

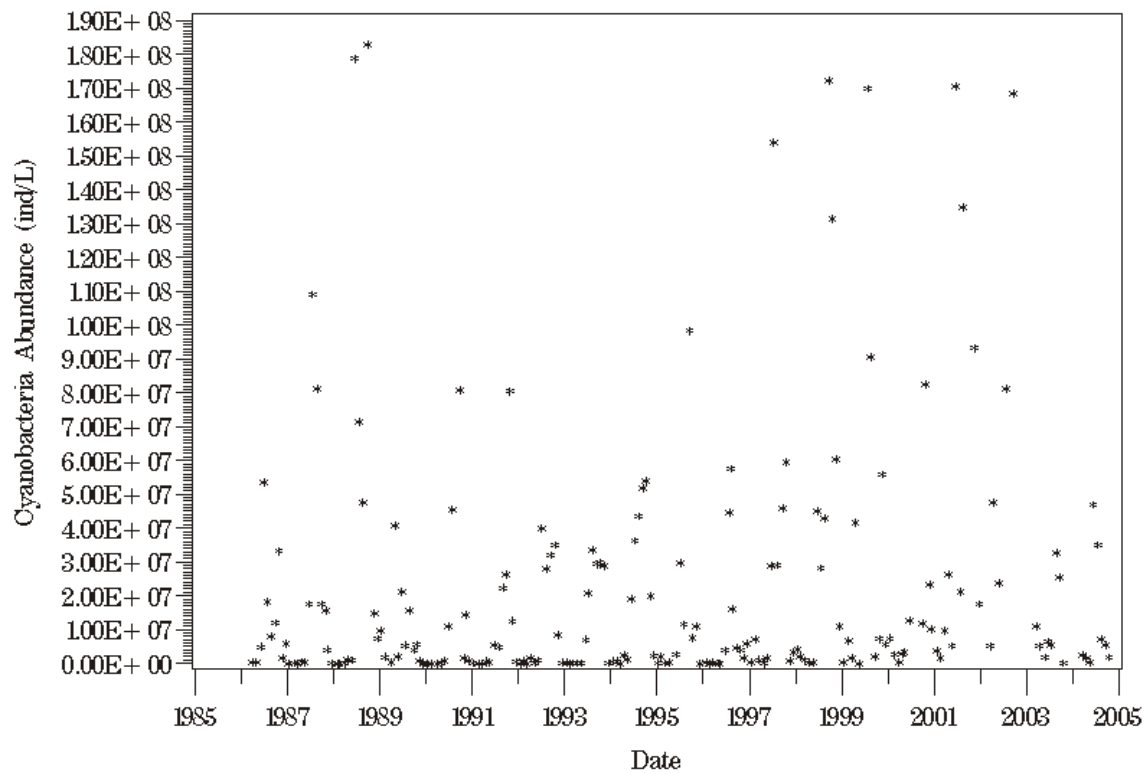


Figure F11. Plot of above pycnocline cyanophyte abundance at station TF5.5 for the period of 1985 through 2004.

AP — RET5.2

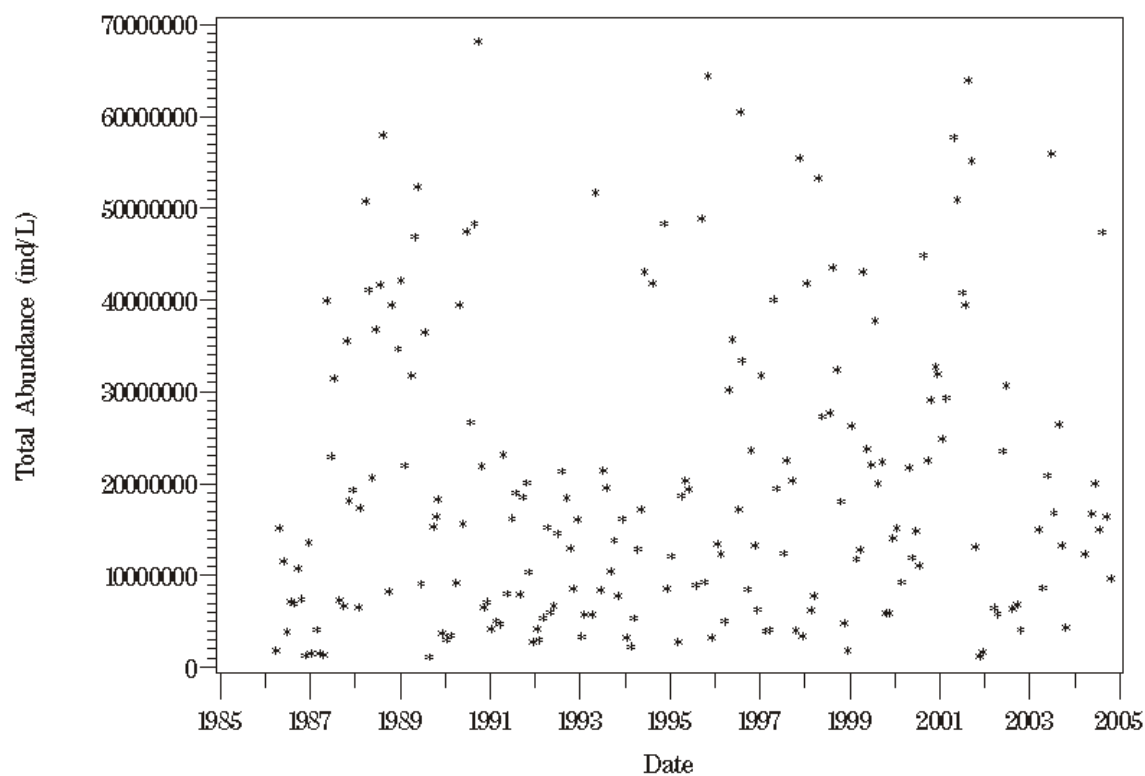


Figure F12. Plot of above pycnocline total phytoplankton abundance against time at station RET5.2 for the period of 1985 through 2004.

AP – RET5.2

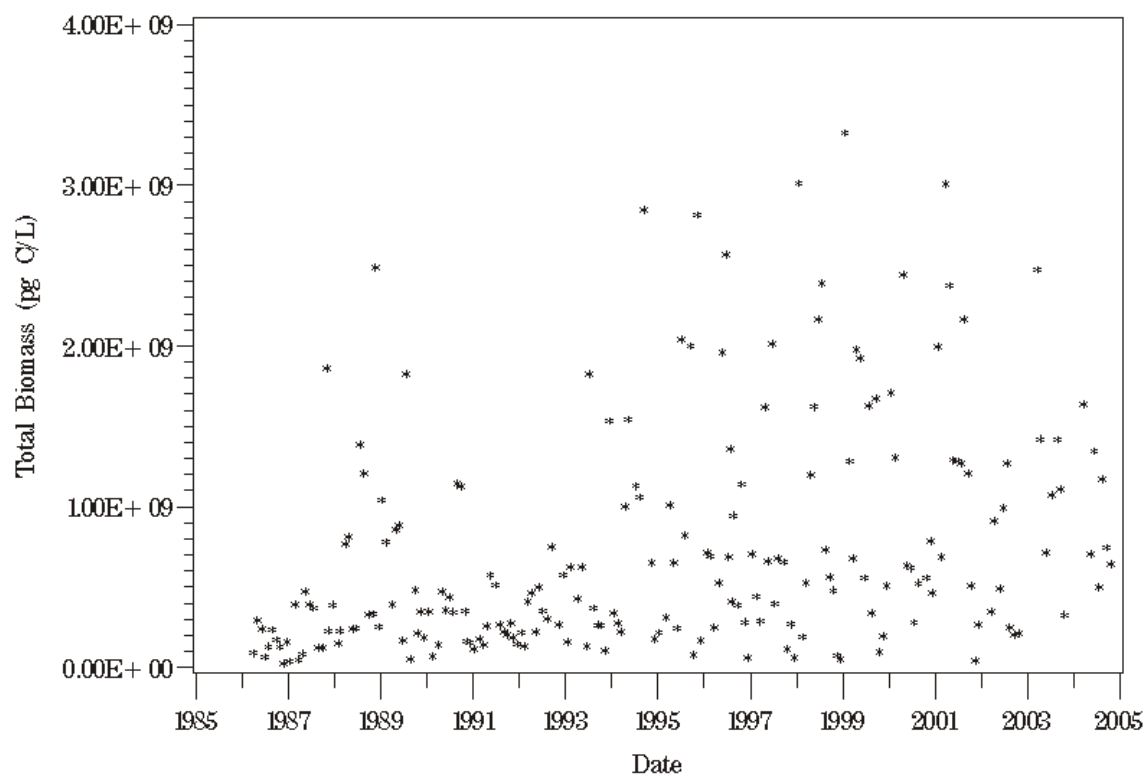


Figure F13. Plot of above pycnocline total phytoplankton biomass against time at station RET5.2 for the period of 1985 through 2004.

AP — RET5.2

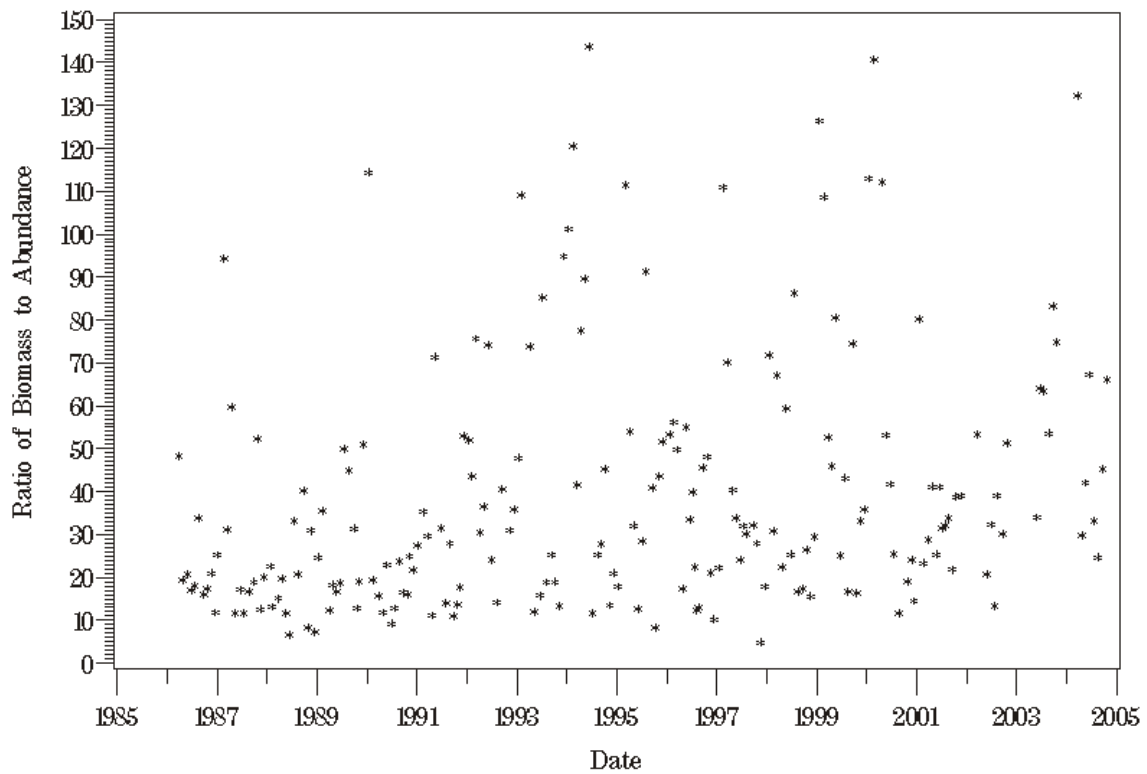


Figure F14. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station RET5.2 for the period of 1985 through 2004.

AP — RET5.2

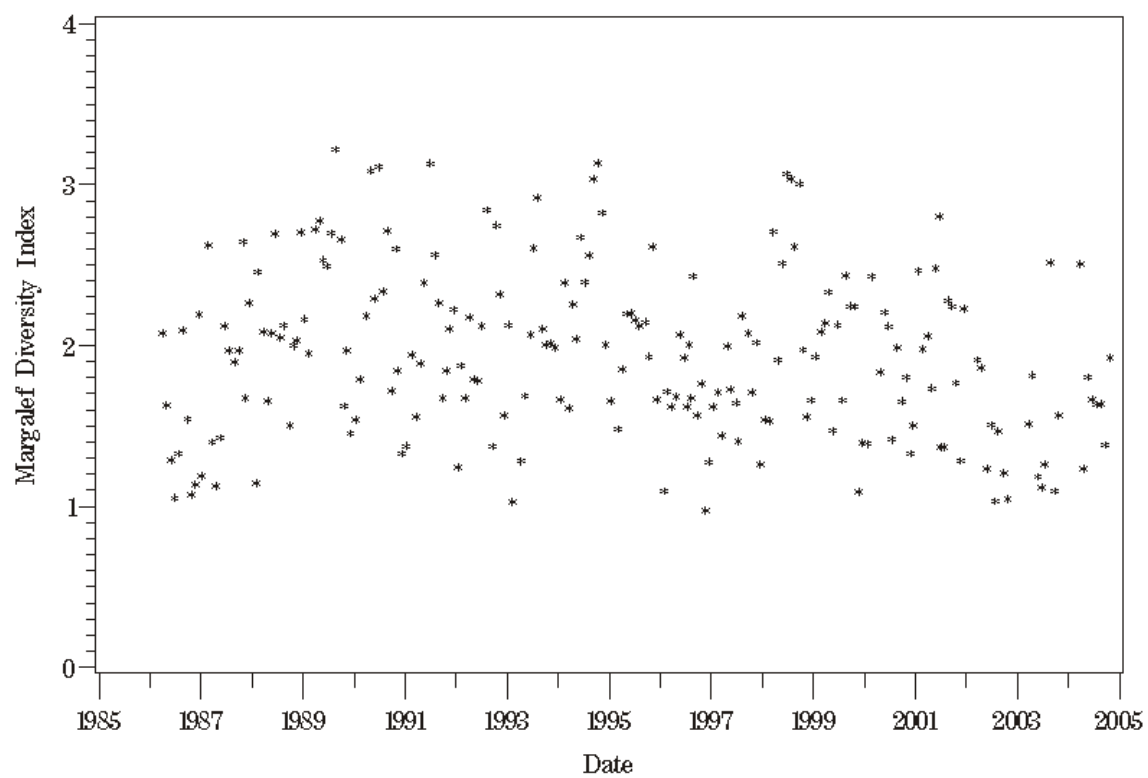


Figure F15. Plot of above pycnocline Margalef diversity index against time at station RET5.2 for the period of 1985 through 2004.

AP – RET5.2

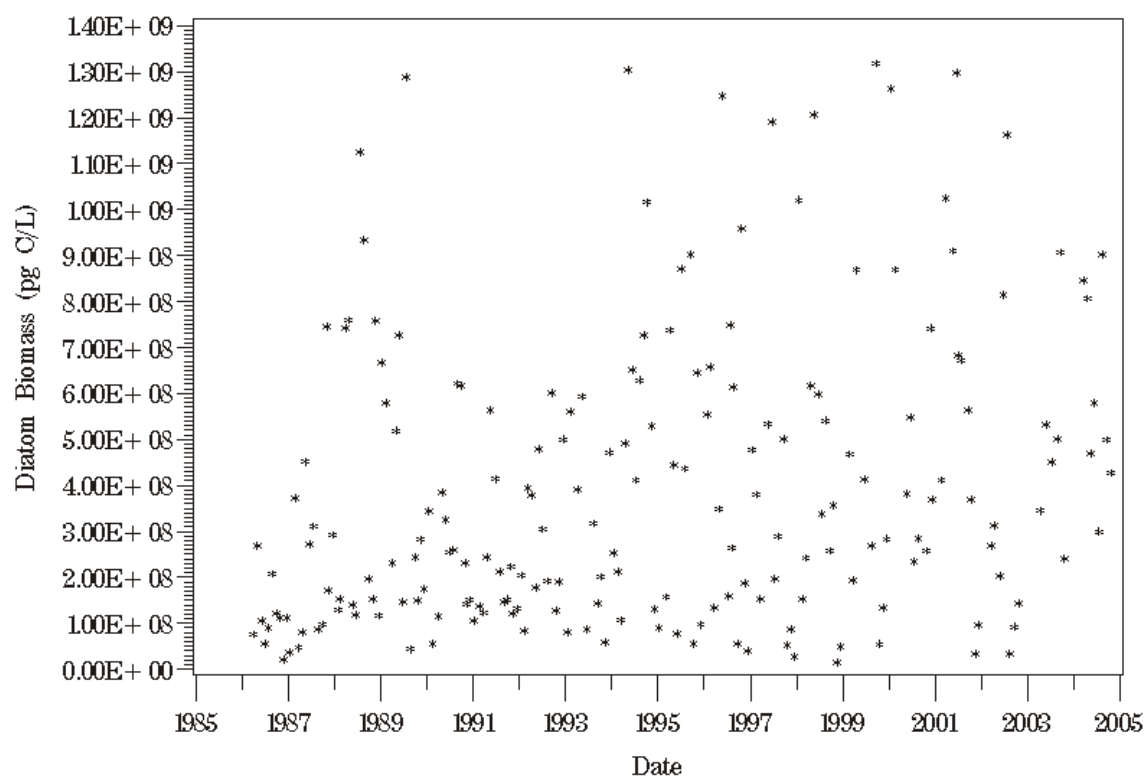


Figure F16. Plot of above pycnocline diatom biomass against time at station RET5.2 for the period of 1985 through 2004.

AP – RET5.2

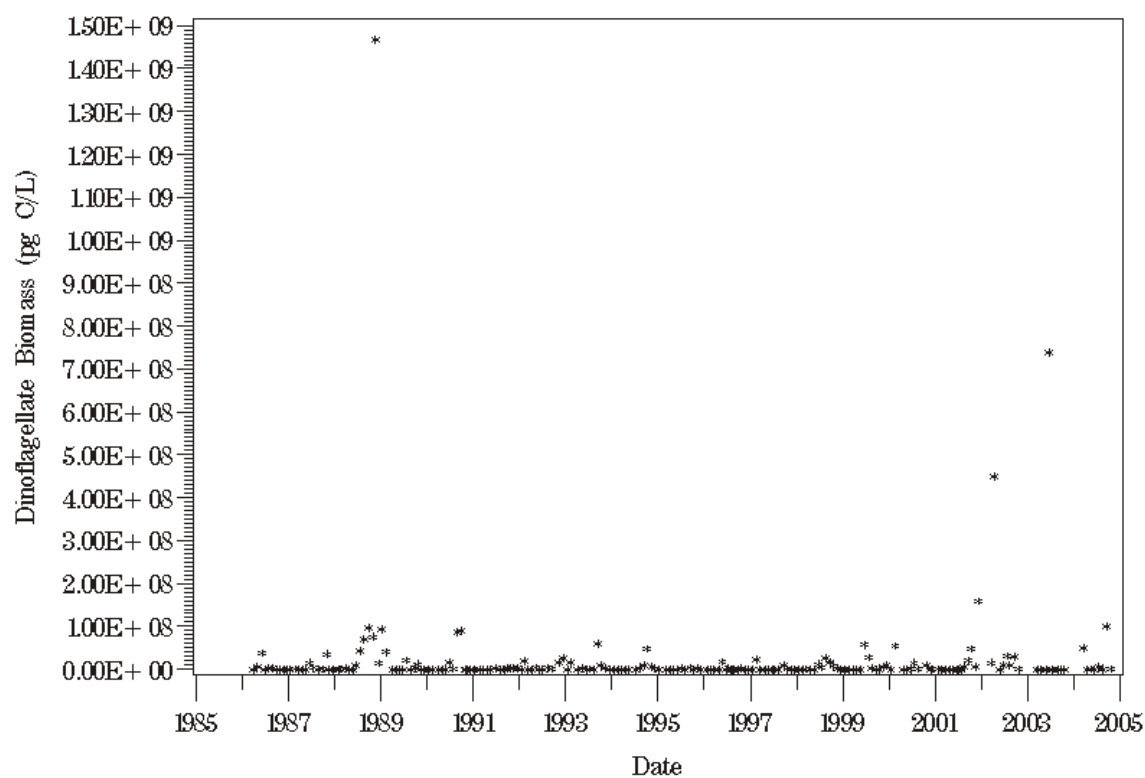


Figure F17. Plot of above pycnocline dinoflagellate biomass against time at station RET5.2 for the period of 1985 through 2004.

AP – RET5.2

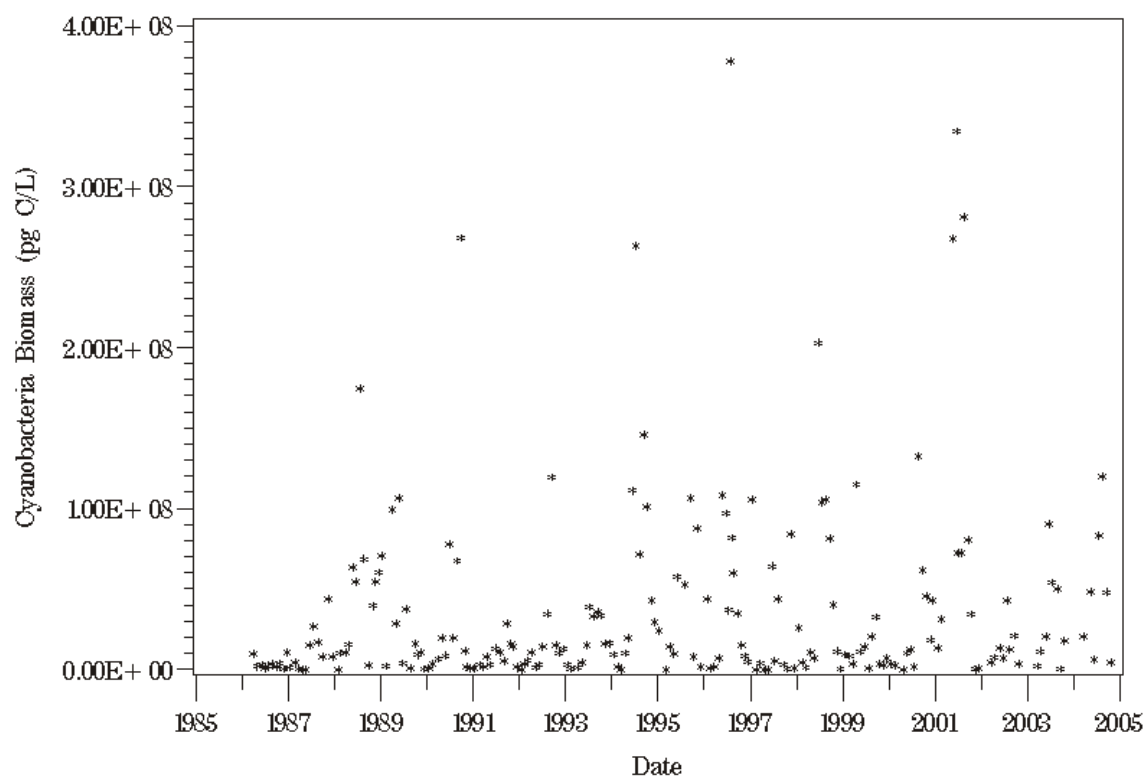


Figure F18. Plot of above pycnocline cyanobacteria biomass against time at station RET5.2 for the period of 1985 through 2004.

AP – RET5.2

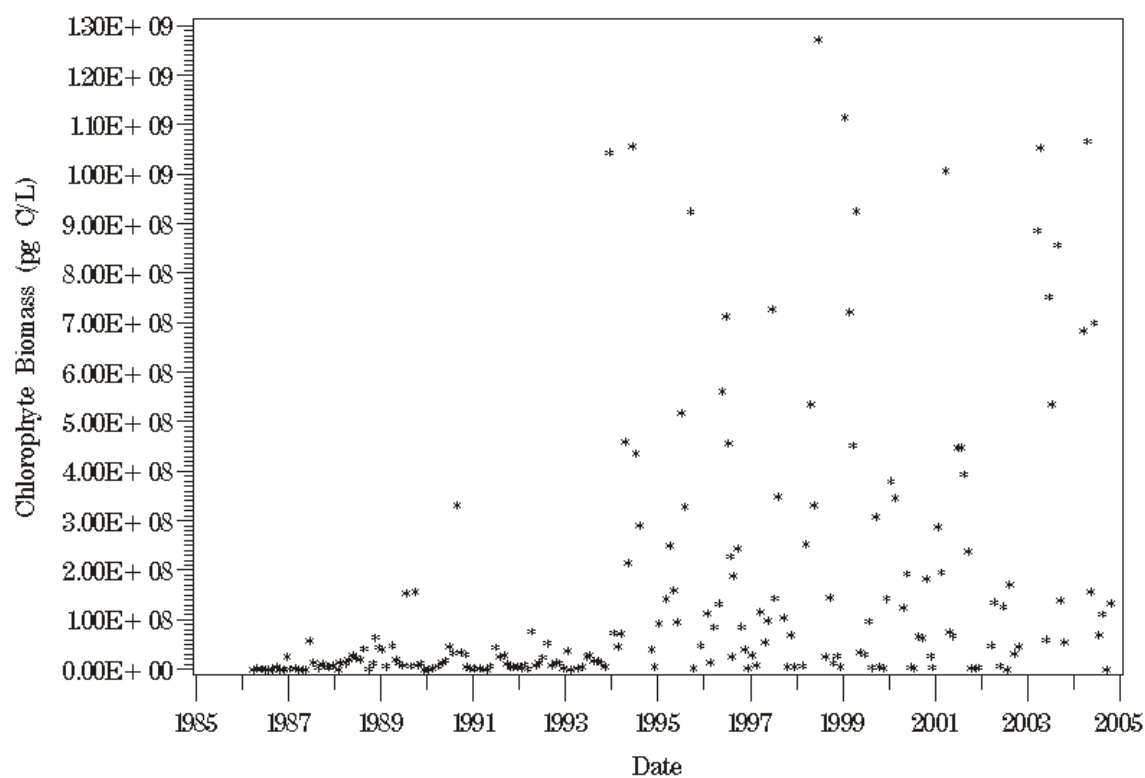


Figure F19. Plot of above pycnocline chlorophyte biomass against time at station RET5.2 for the period of 1985 through 2004.

AP – RET5.2

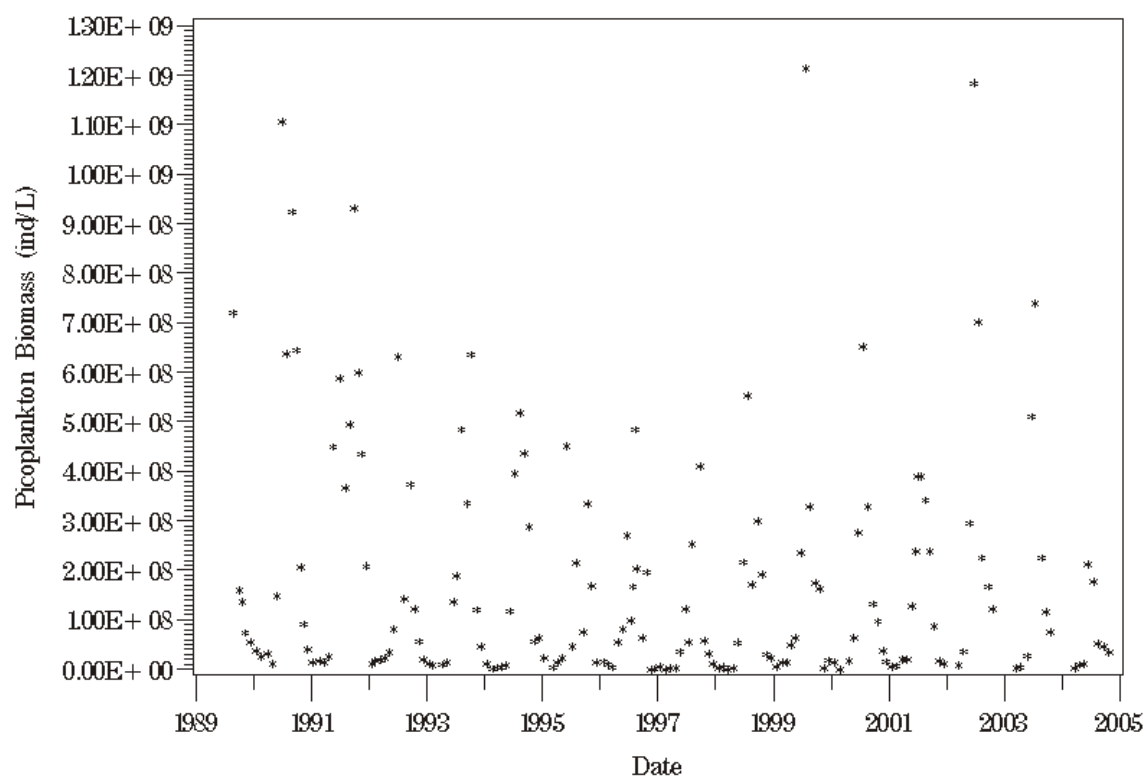


Figure F20. Plot of above pycnocline picoplankton biomass against time at station RET5.2 for the period of 1985 through 2004.

AP – RET5.2

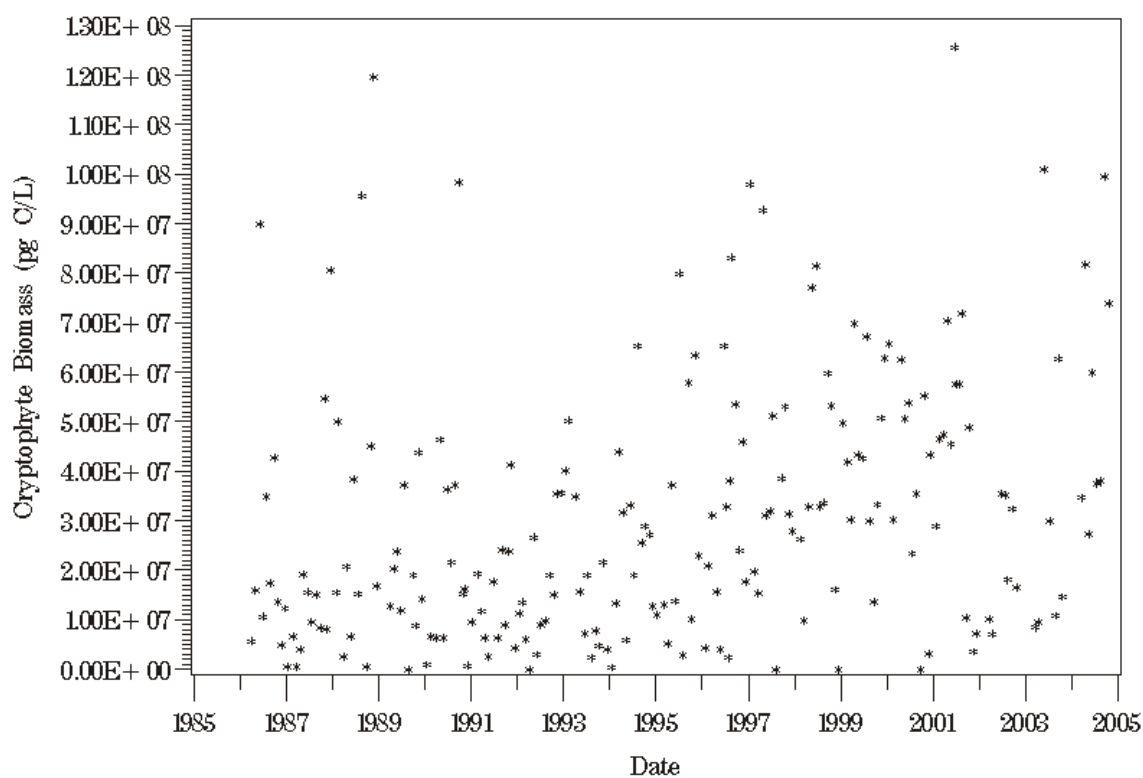


Figure F21. Plot of above pycnocline cryptophyte biomass at station RET5.2 for the period of 1985 through 2004.

AP — RET5.2

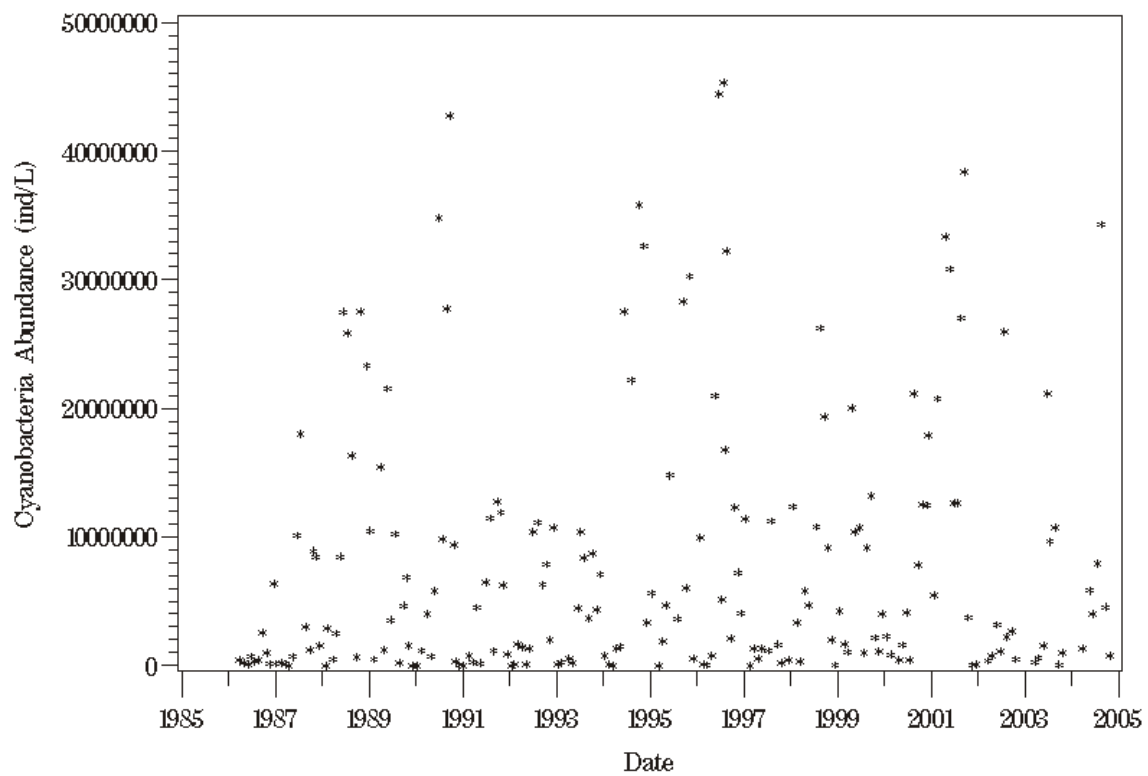


Figure F22. Plot of above pycnocline cyanophyte abundance at station RET5.2 for the period of 1985 through 2004.

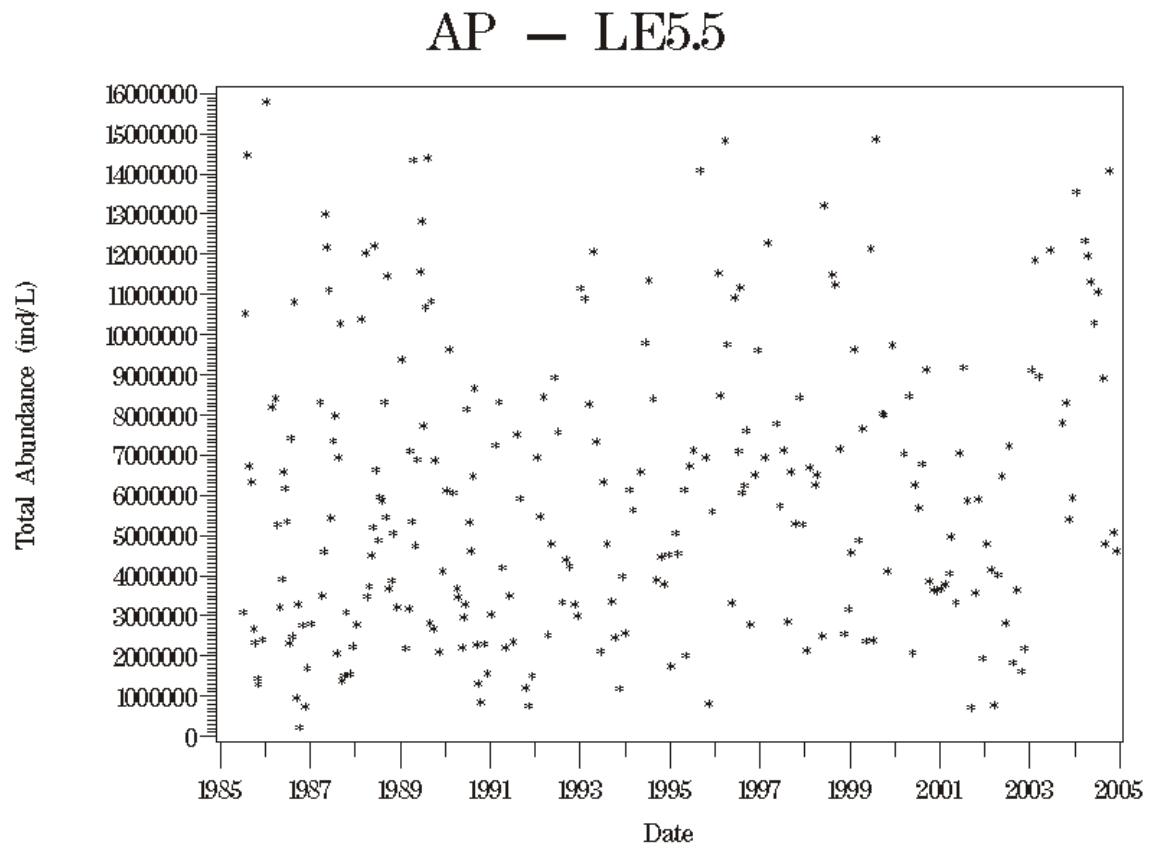


Figure F23. Plot of above pycnocline total phytoplankton abundance against time at station LE5.5 for the period of 1985 through 2004.

AP — LE5.5

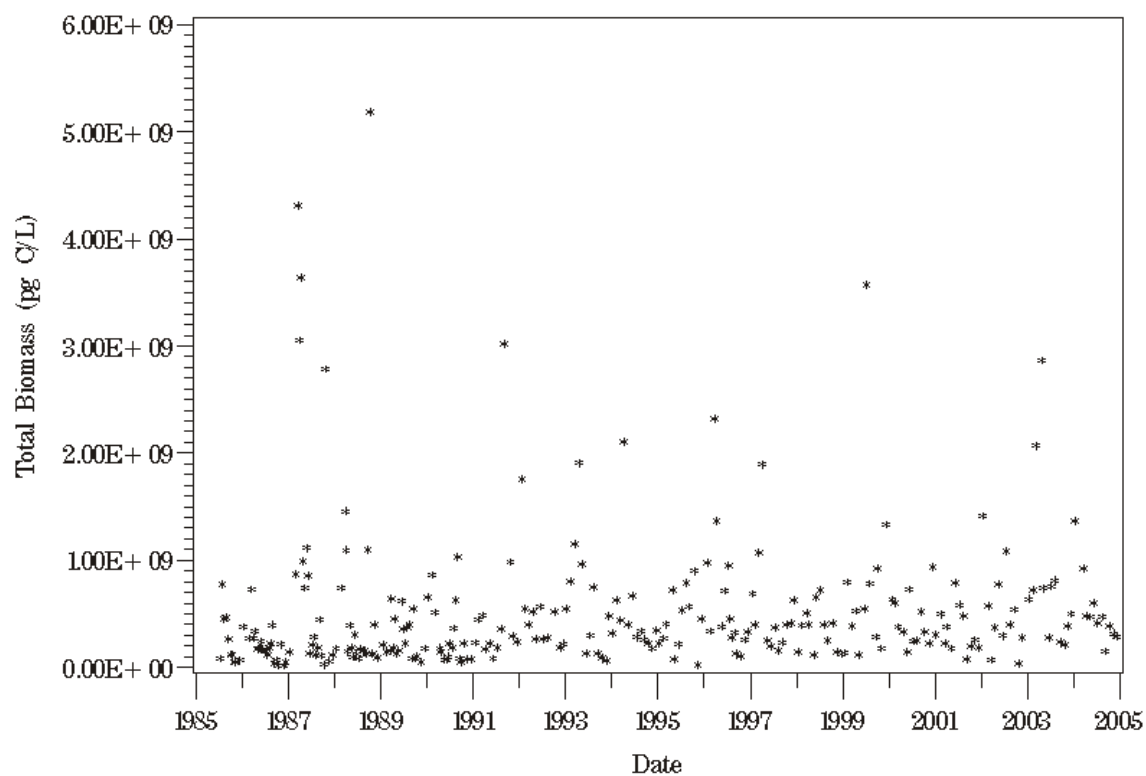


Figure F24. Plot of above pycnocline total phytoplankton biomass against time at station LE5.5 for the period of 1985 through 2004.

AP — LE5.5

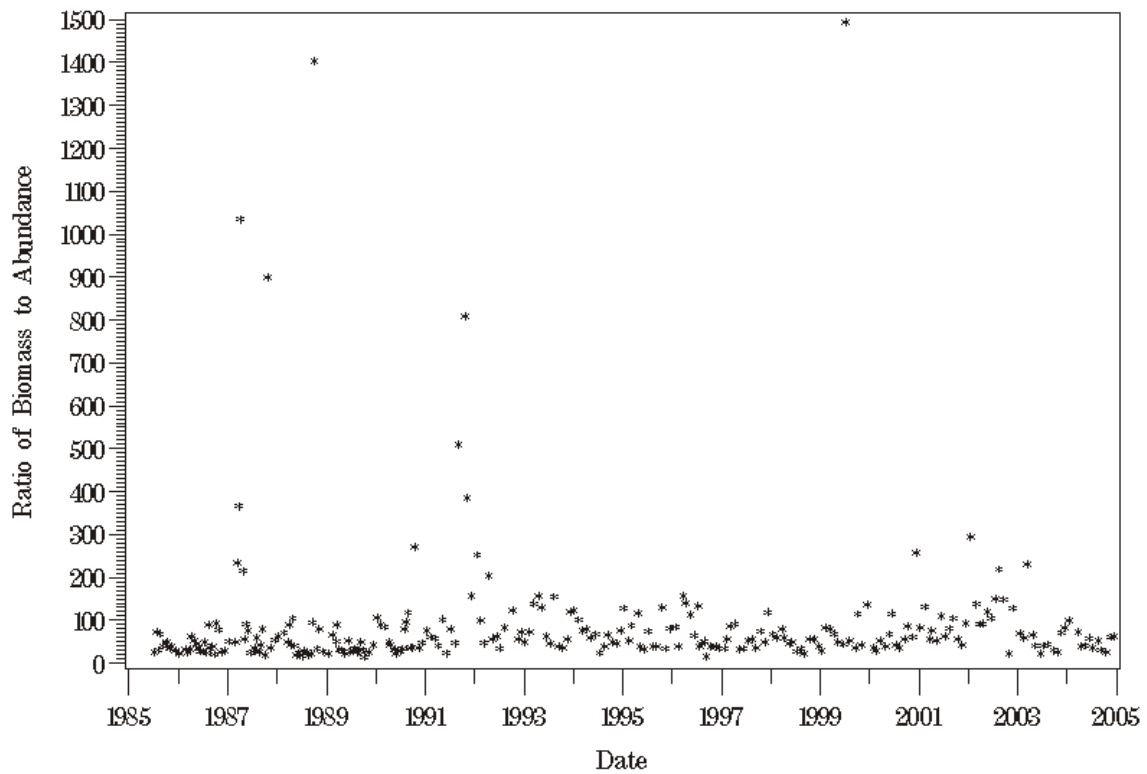


Figure F25. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station LE5.5 for the period of 1985 through 2004.

AP — LE5.5

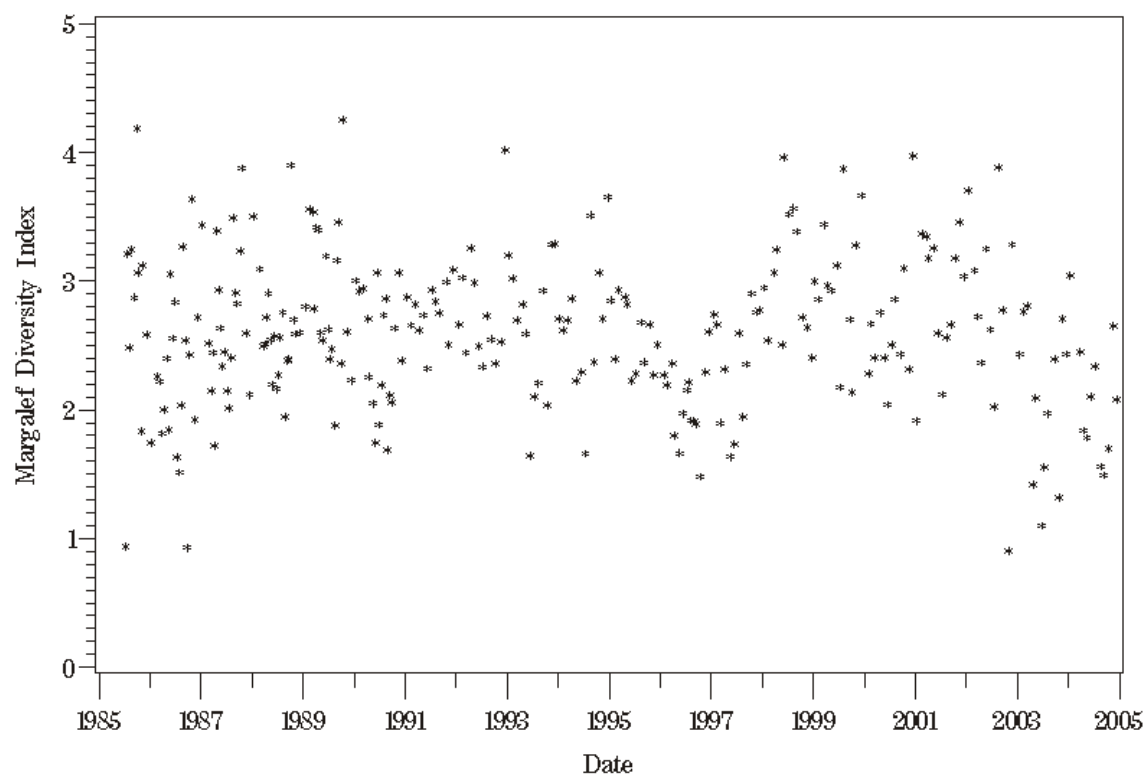


Figure F26. Plot of above pycnocline Margalef diversity index against time at station LE5.5 for the period of 1985 through 2004.

AP – LE5.5

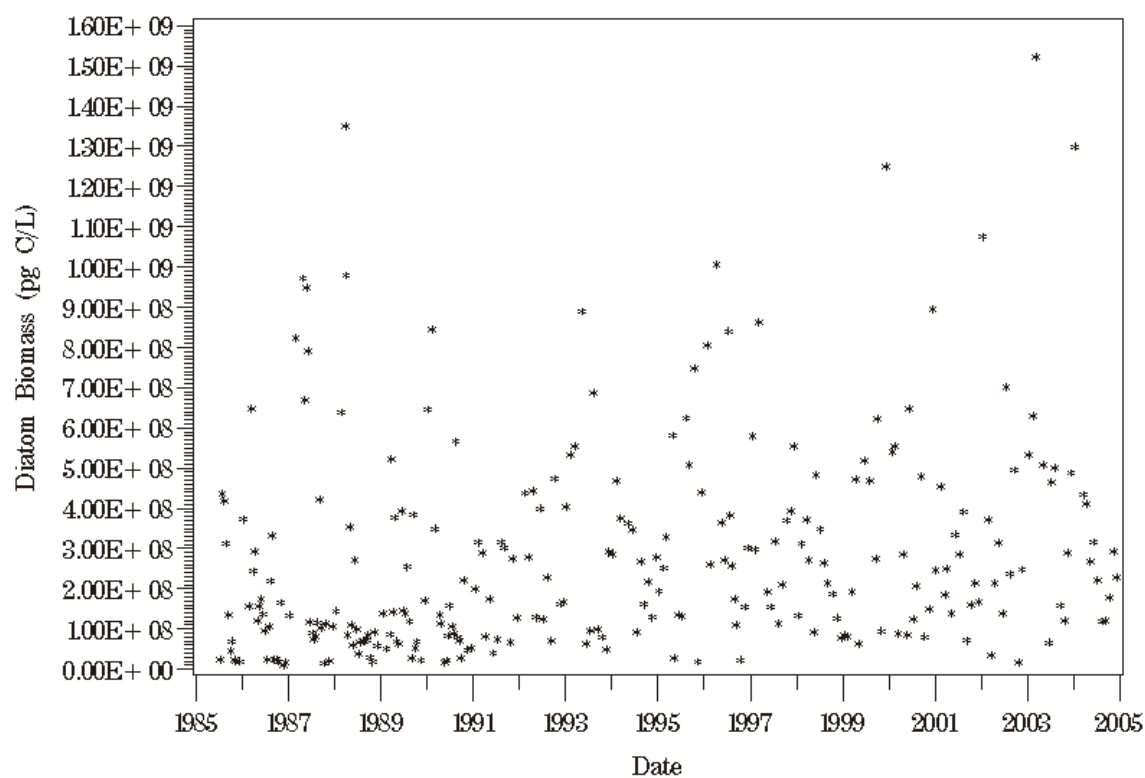


Figure F27. Plot of above pycnocline diatom biomass against time at station LE5.5 for the period of 1985 through 2004.

AP – LE5.5

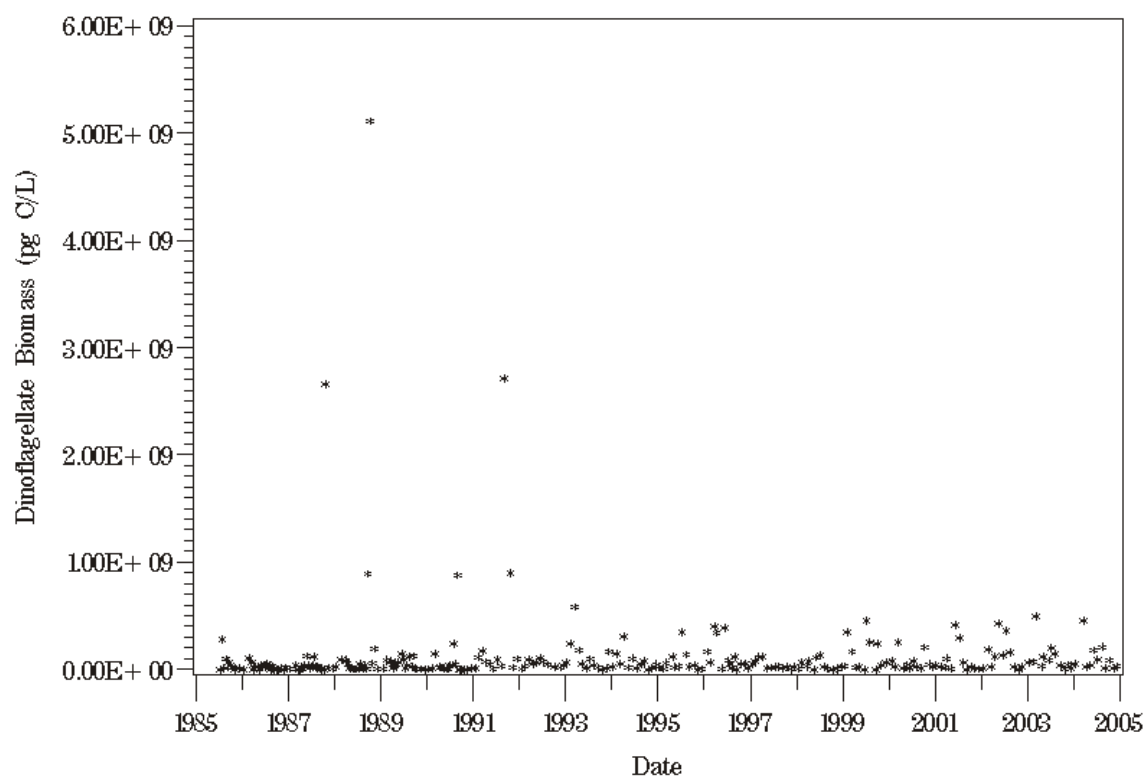


Figure F28. Plot of above pycnocline dinoflagellate biomass against time at station LE5.5 for the period of 1985 through 2004.

AP – LE5.5

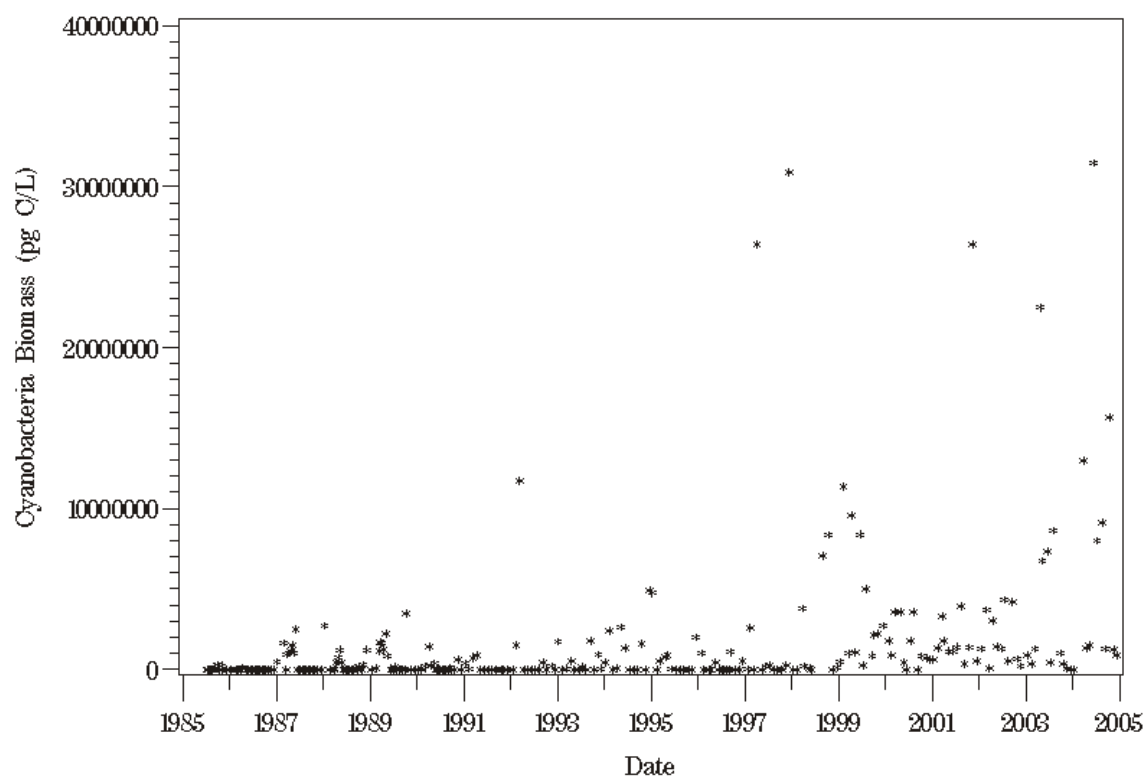


Figure F29. Plot of above pycnocline cyanobacteria biomass against time at station LE5.5 for the period of 1985 through 2004.

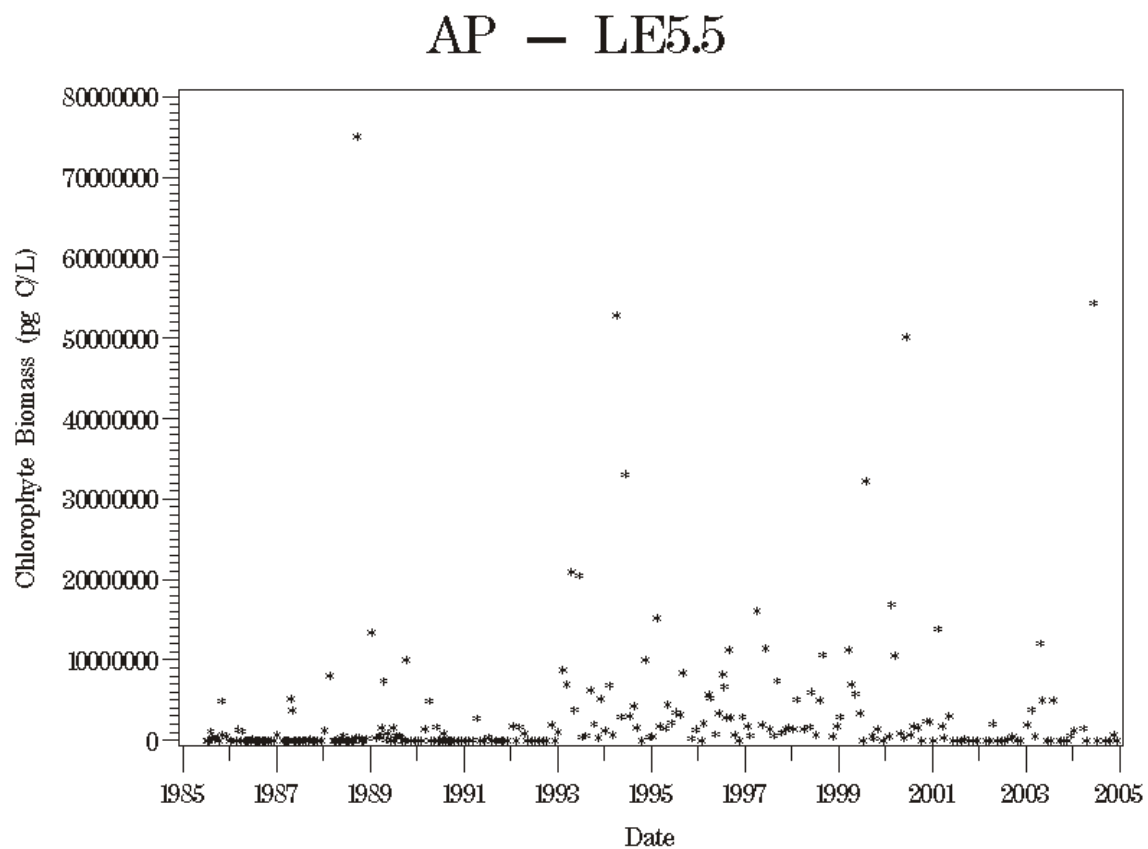


Figure F30. Plot of above pycnocline chlorophyte biomass against time at station LE5.5 for the period of 1985 through 2004.

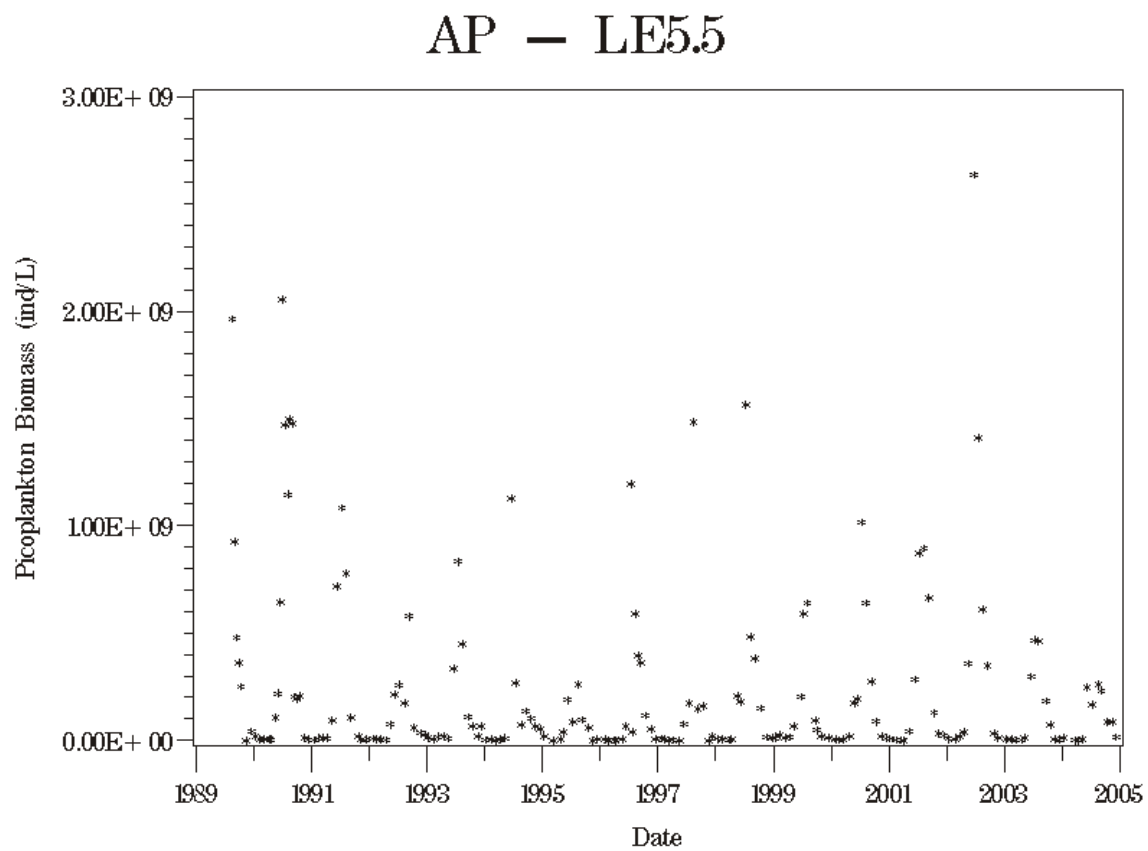


Figure F31. Plot of above pycnocline picoplankton biomass against time at station LE5.5 for the period of 1985 through 2004.

AP — LE5.5

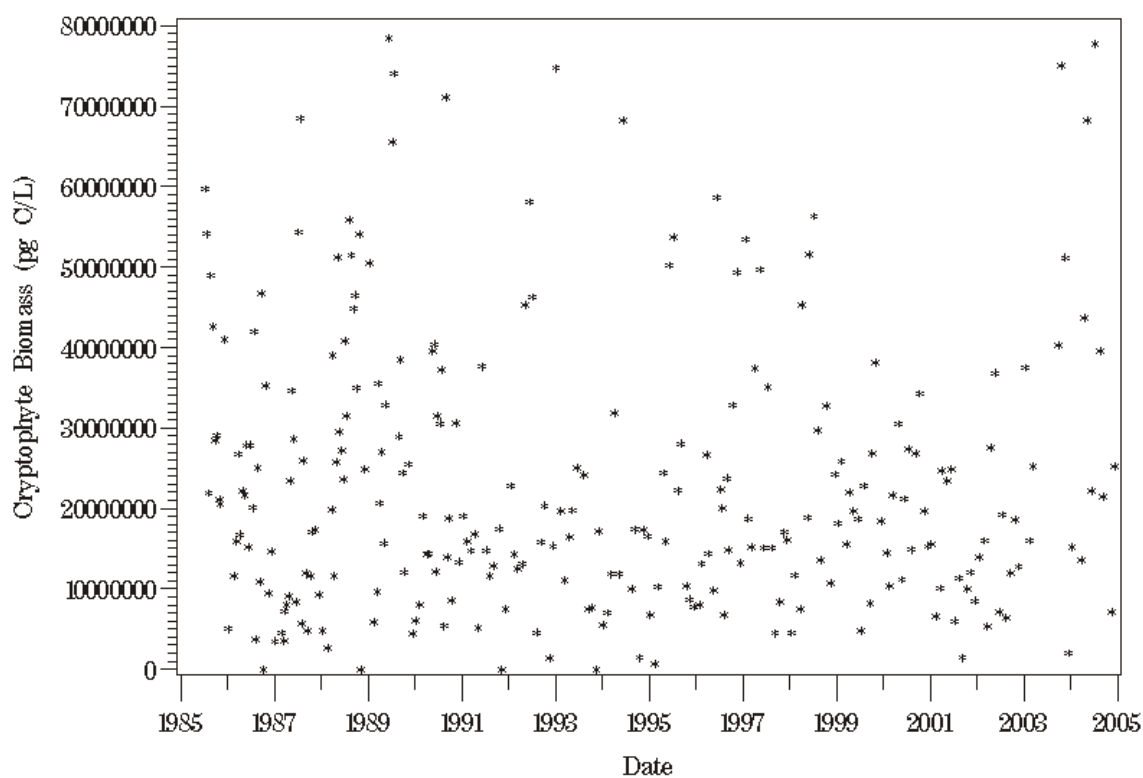


Figure F32. Plot of above pycnocline cryptophyte biomass at station LE5.5 for the period of 1985 through 2004.

AP – LE5.5

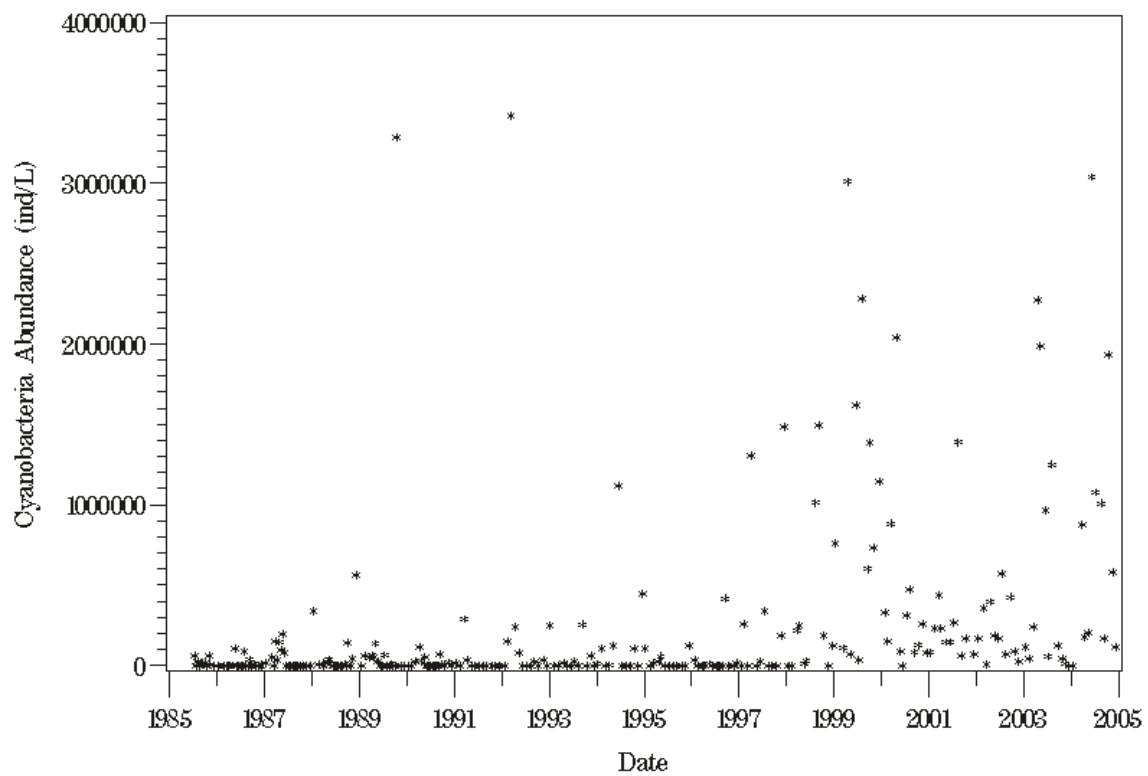


Figure F33. Plot of above pycnocline cyanophyte abundance at station LE5.5 for the period of 1985 through 2004.

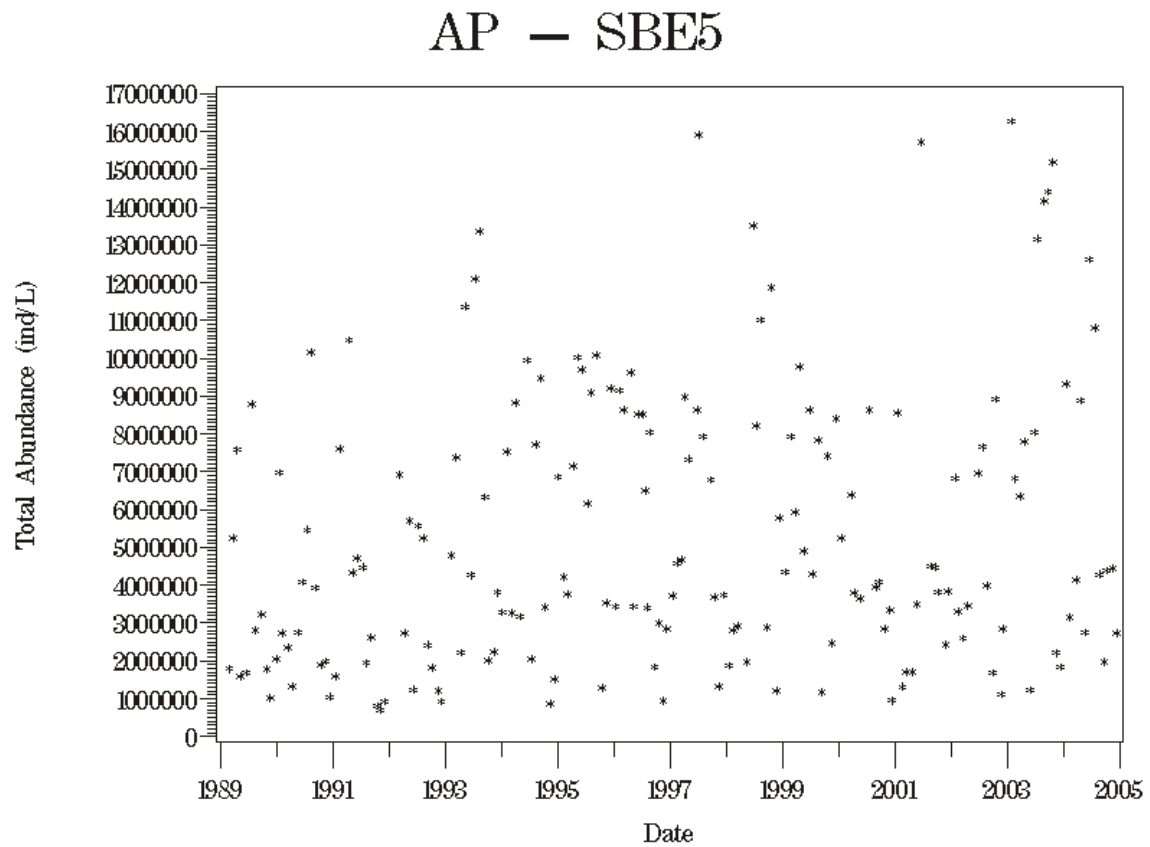


Figure F34. Plot of above pycnocline total phytoplankton abundance against time at station SBE5 for the period of 1985 through 2004.

AP — SBE5

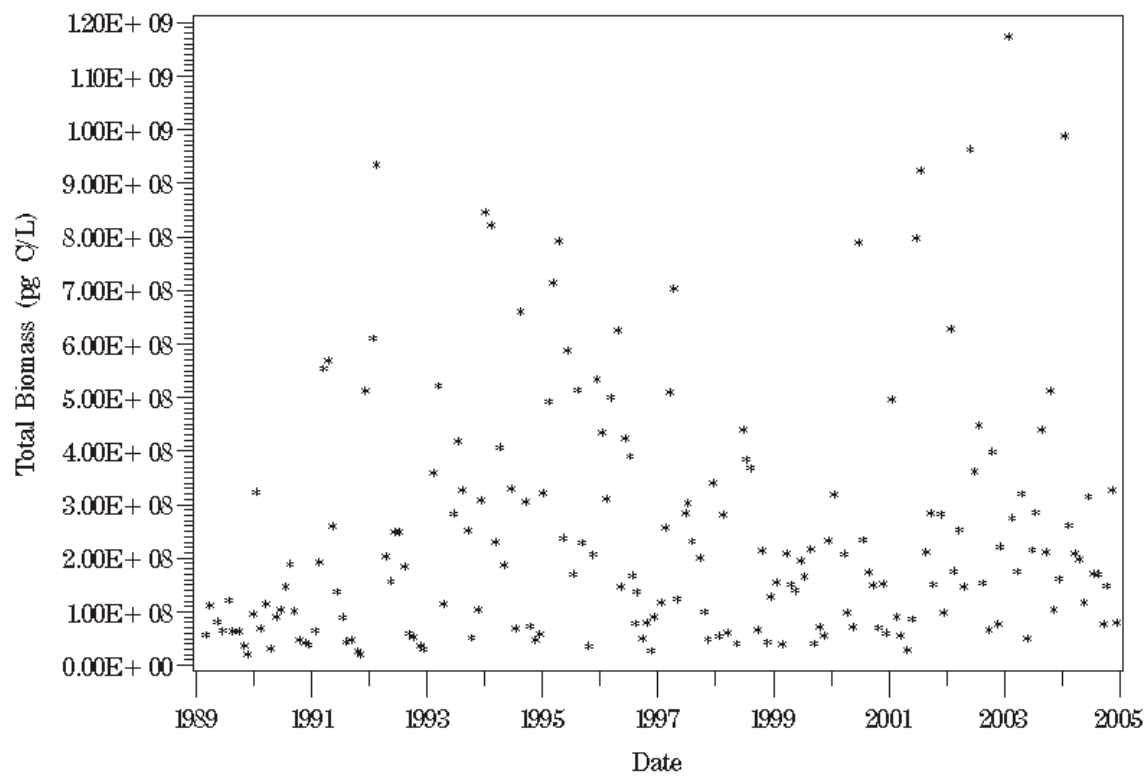


Figure F35. Plot of above pycnocline total phytoplankton biomass against time at station SBE5 for the period of 1985 through 2004.

AP — SBE5

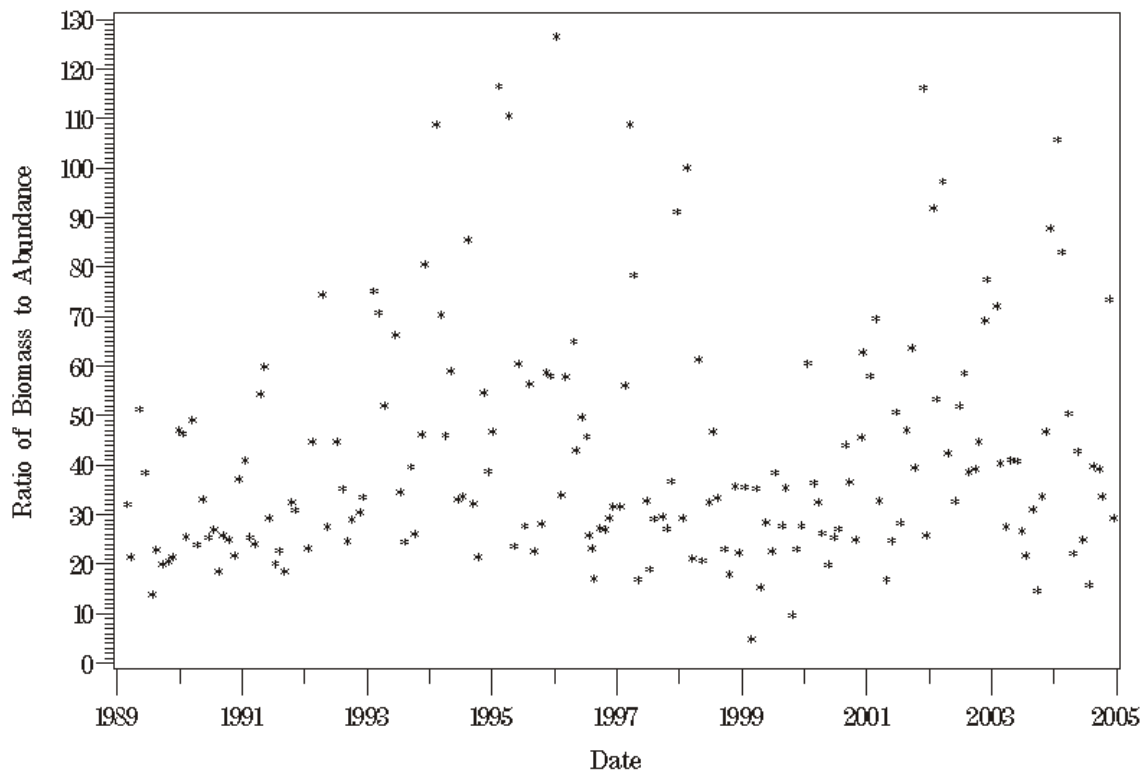


Figure F36. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station SBE5 for the period of 1985 through 2004.

AP — SBE5

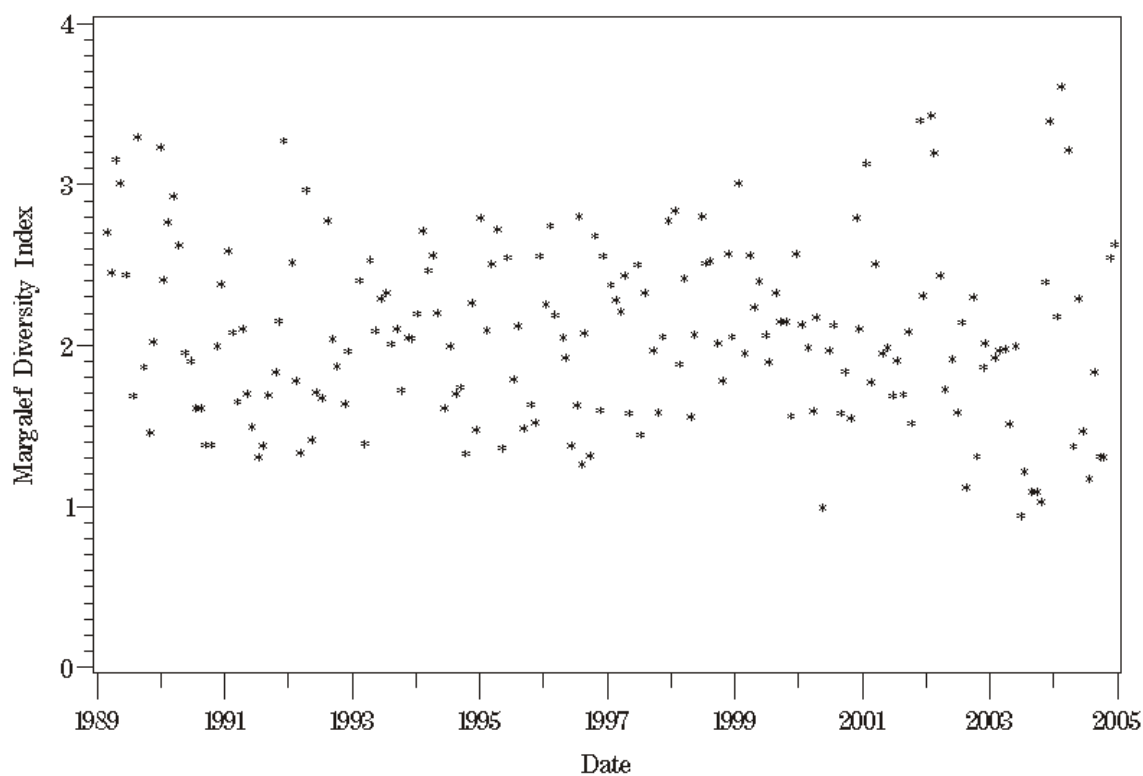


Figure F37. Plot of above pycnocline Margalef diversity index against time at station SBE5 for the period of 1985 through 2004.

AP – SBE5

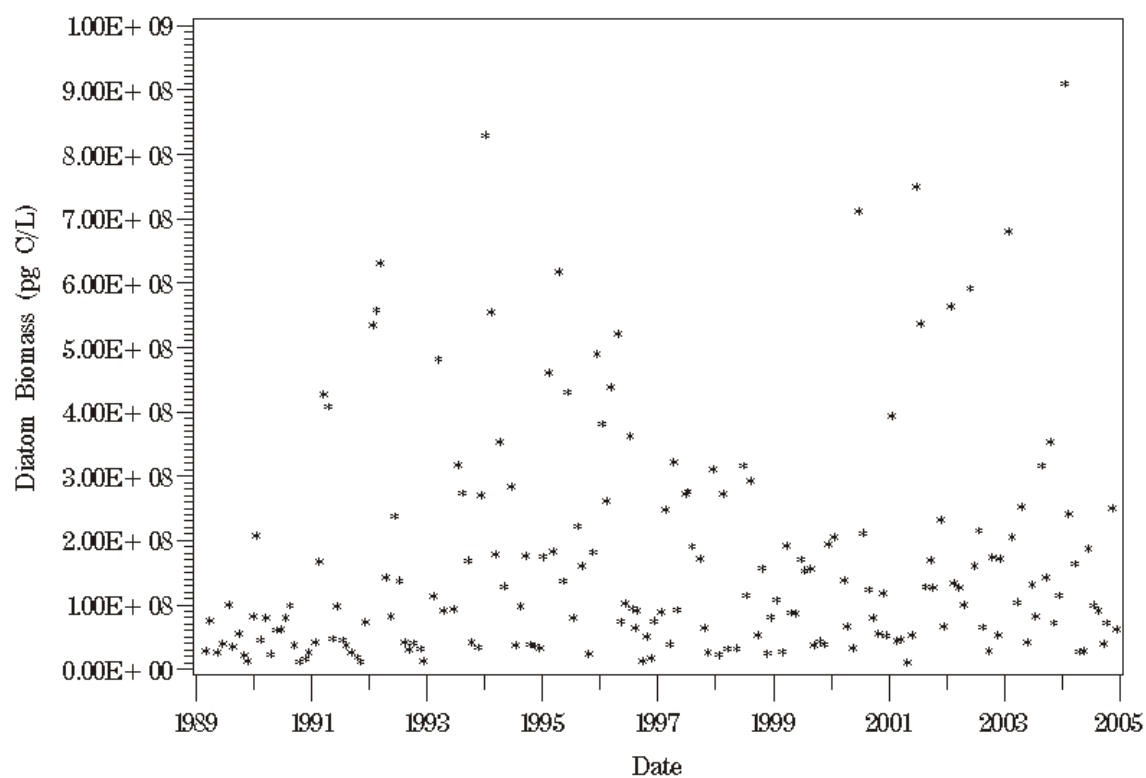


Figure F38. Plot of above pycnocline diatom biomass against time at station SBE5 for the period of 1985 through 2004.

AP – SBE5

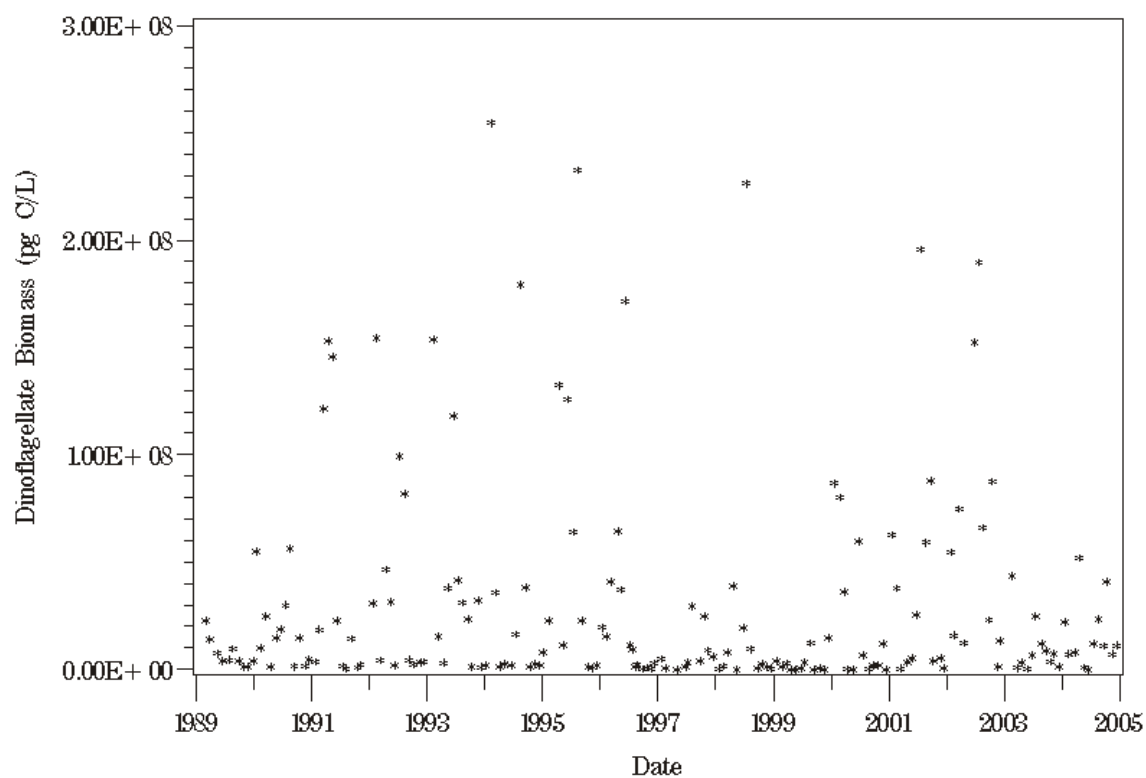


Figure F39. Plot of above pycnocline dinoflagellate biomass against time at station SBE5 for the period of 1985 through 2004.

AP – SBE5

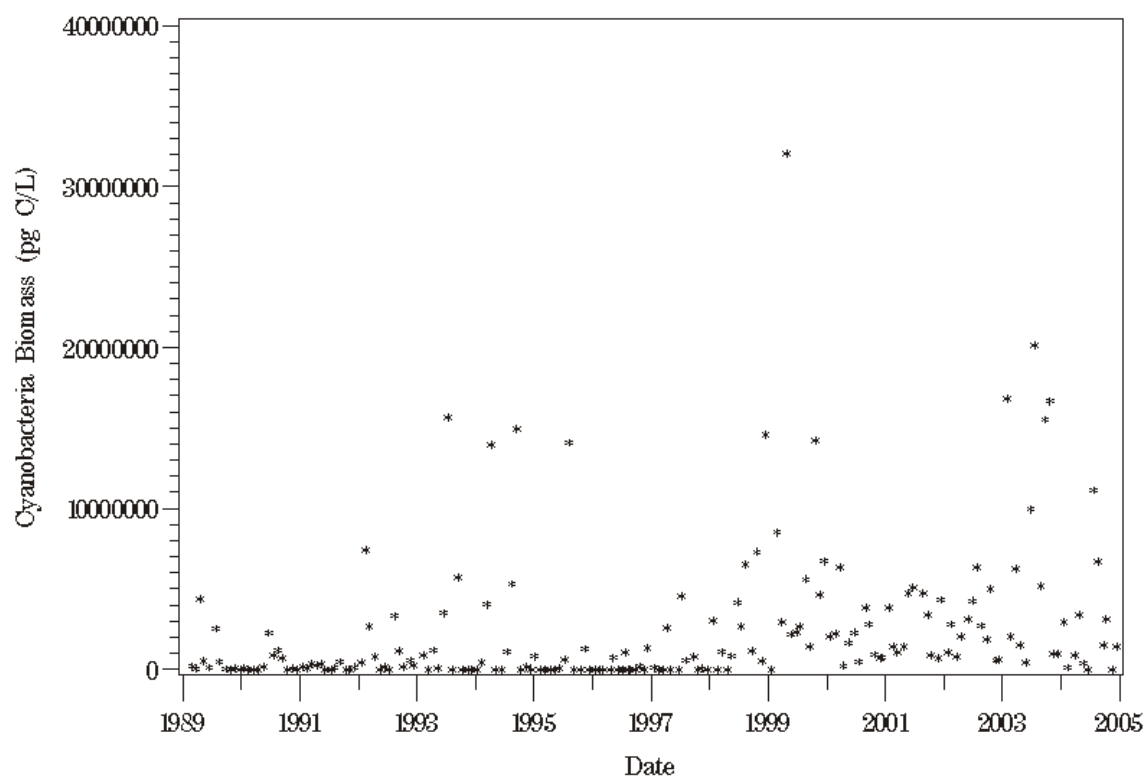


Figure F40. Plot of above pycnocline cyanobacteria biomass against time at station SBE5 for the period of 1985 through 2004.

AP – SBE5

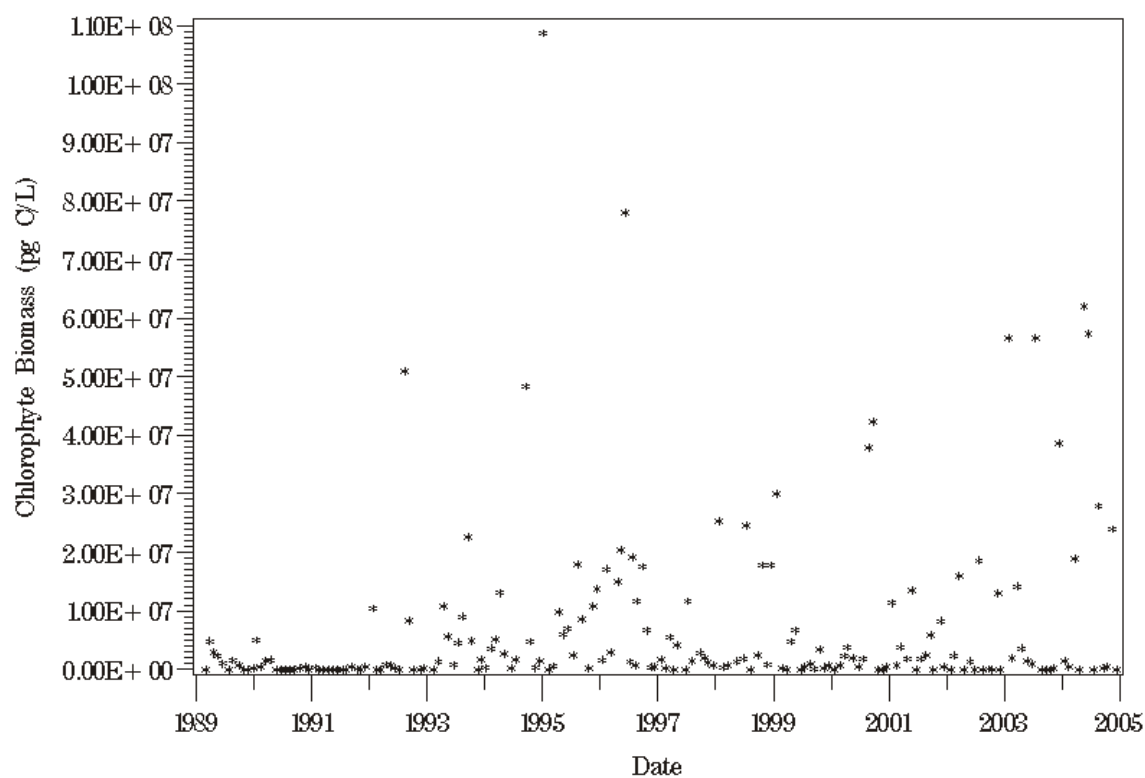


Figure F41. Plot of above pycnocline chlorophyte biomass against time at station SBE5 for the period of 1985 through 2004.

AP – SBE5

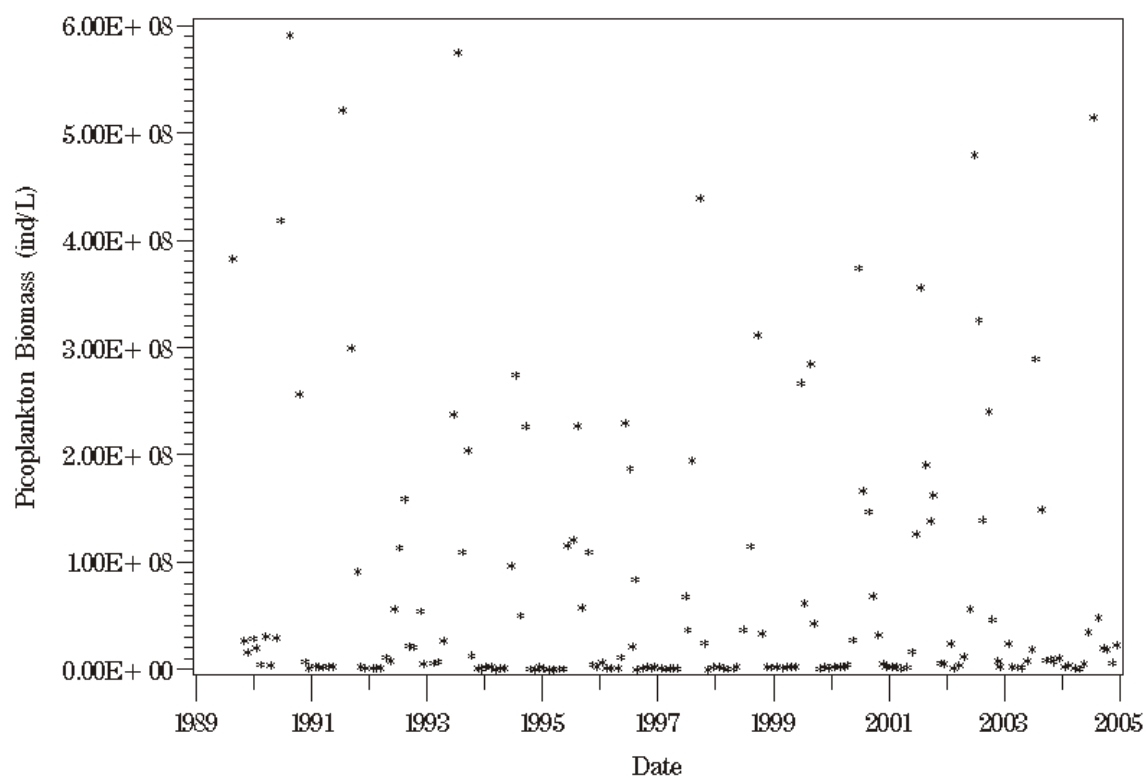


Figure F42. Plot of above pycnocline picoplankton biomass against time at station SBE5 for the period of 1985 through 2004.

AP – SBE5

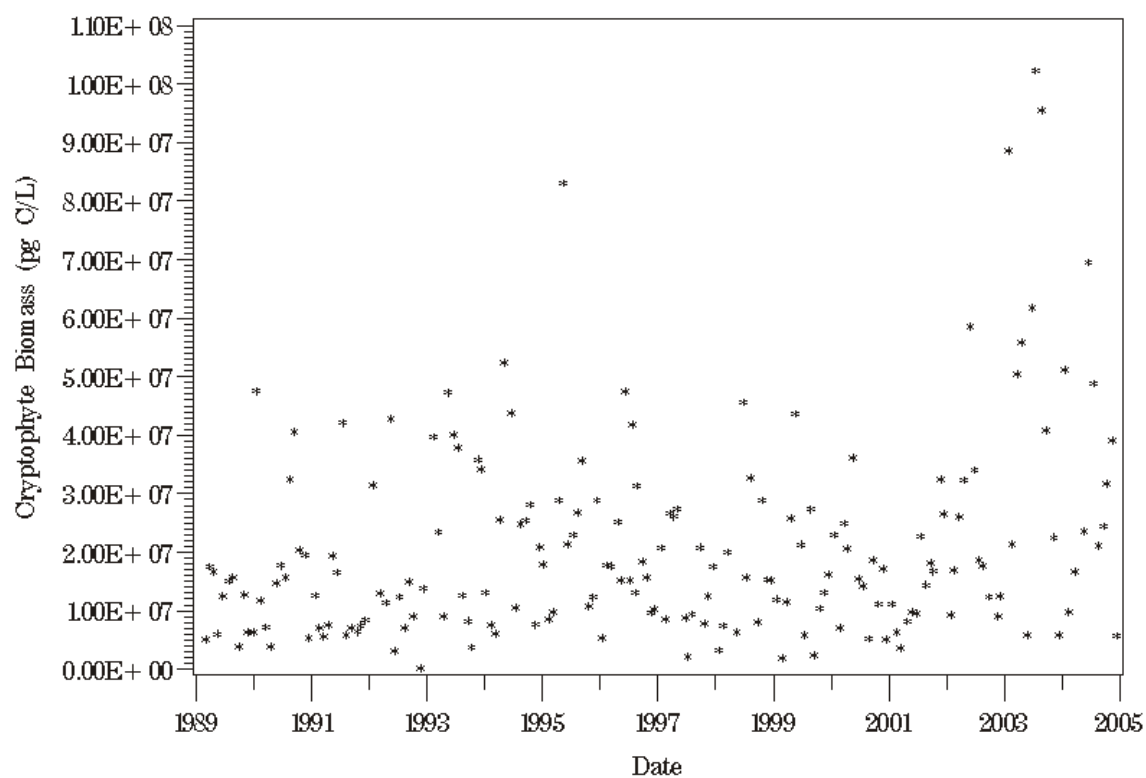


Figure F43. Plot of above pycnocline cryptophyte biomass at station SBE5 for the period of 1985 through 2004.

AP – SBE5

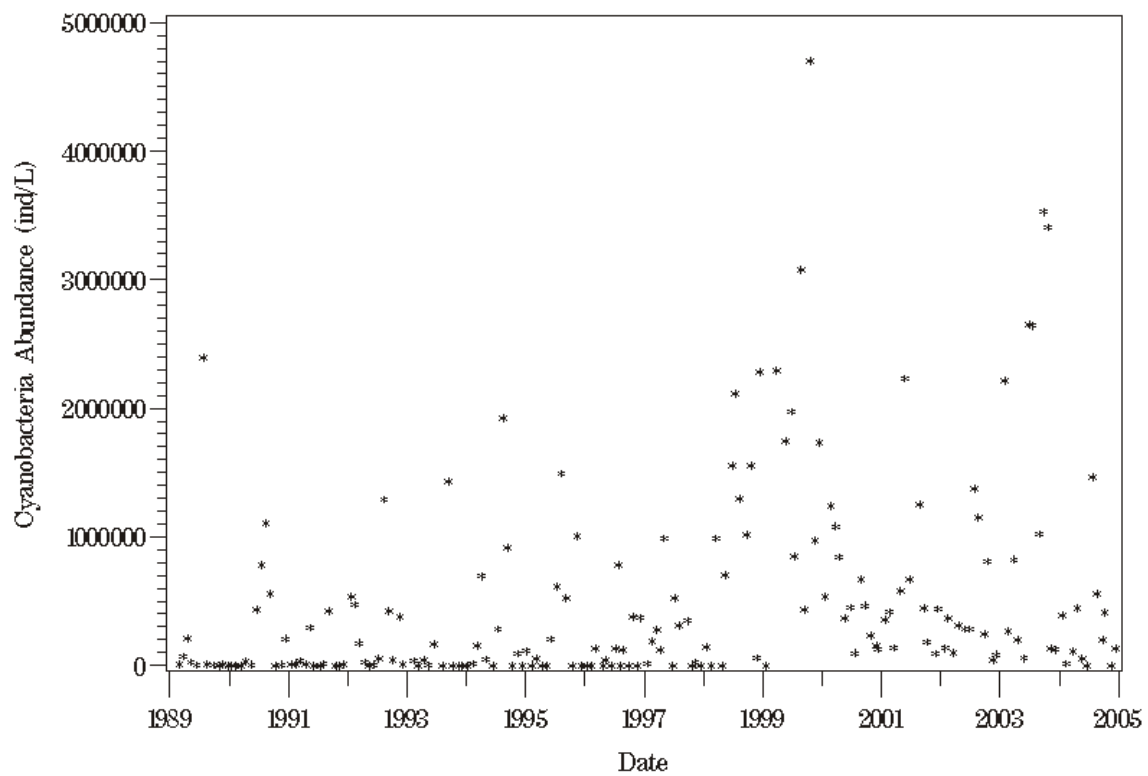


Figure F44. Plot of above pycnocline cyanophyte abundance at station SBE5 for the period of 1985 through 2004.

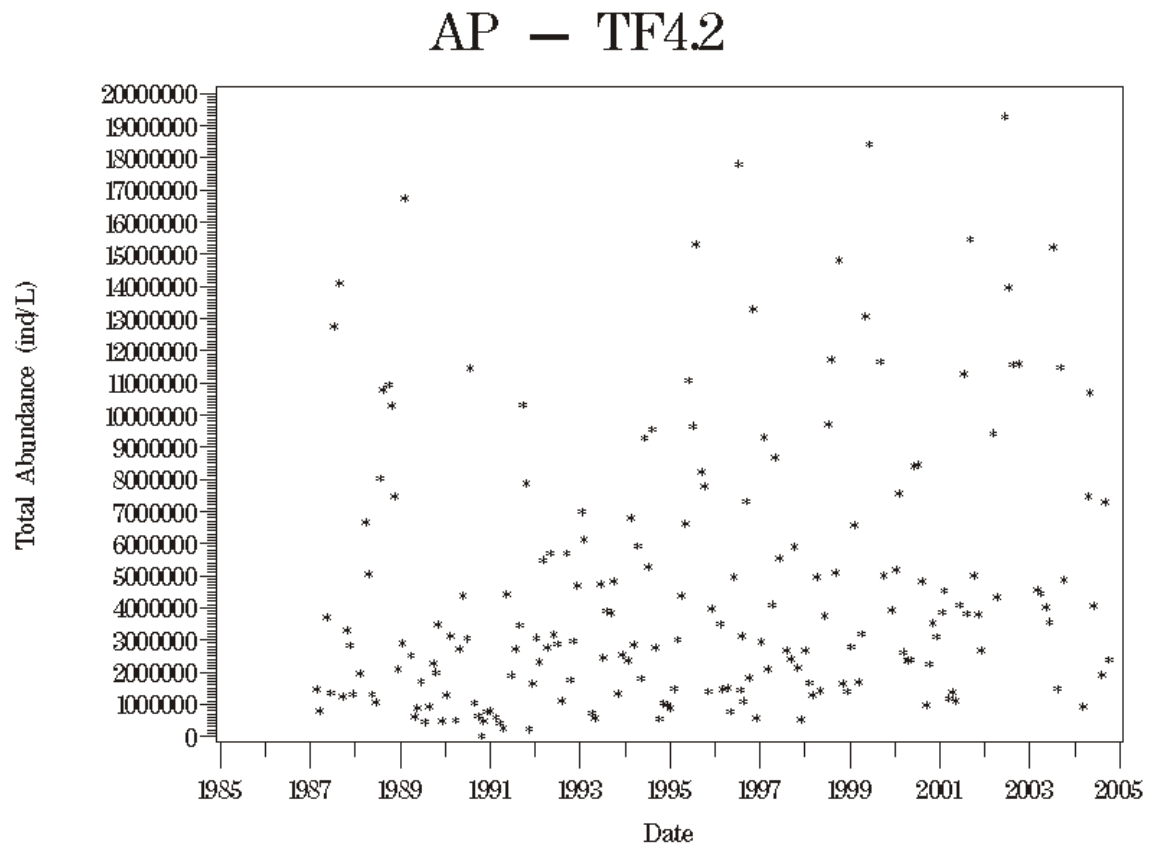


Figure F45. Plot of above pycnocline total phytoplankton abundance against time at station TF4.2 for the period of 1985 through 2004.

AP – TF4.2

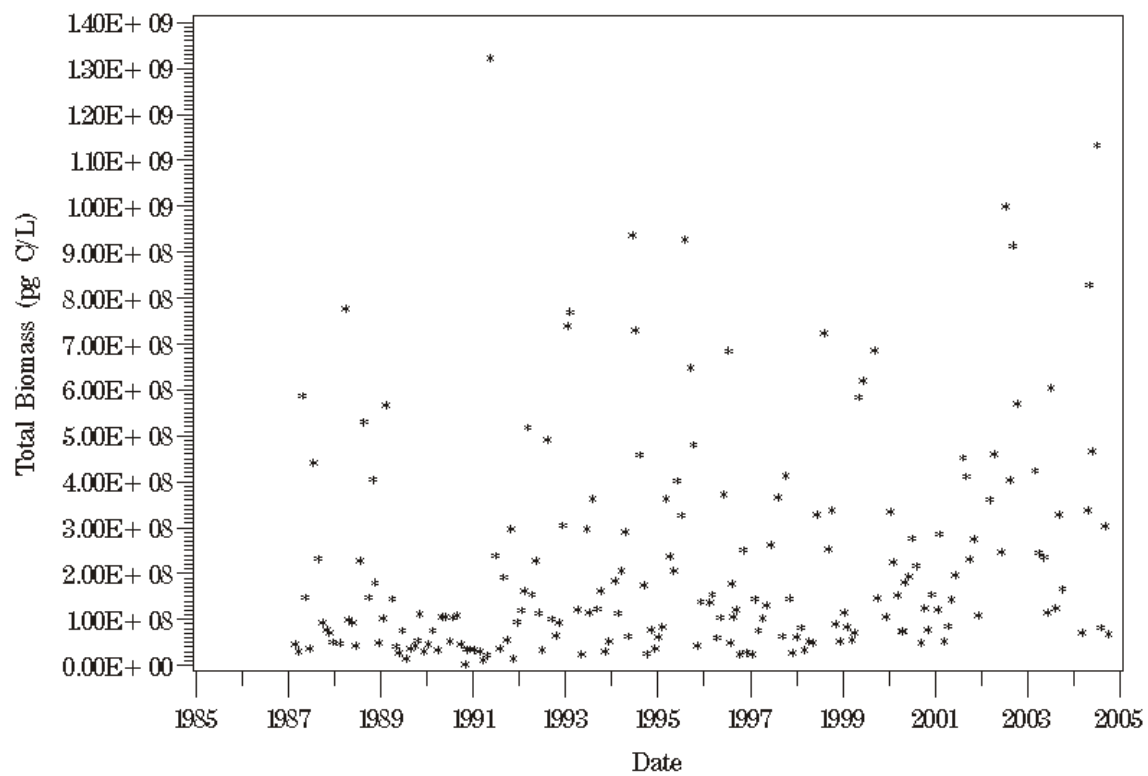


Figure F46. Plot of above pycnocline total phytoplankton biomass against time at station TF4.2 for the period of 1985 through 2004.

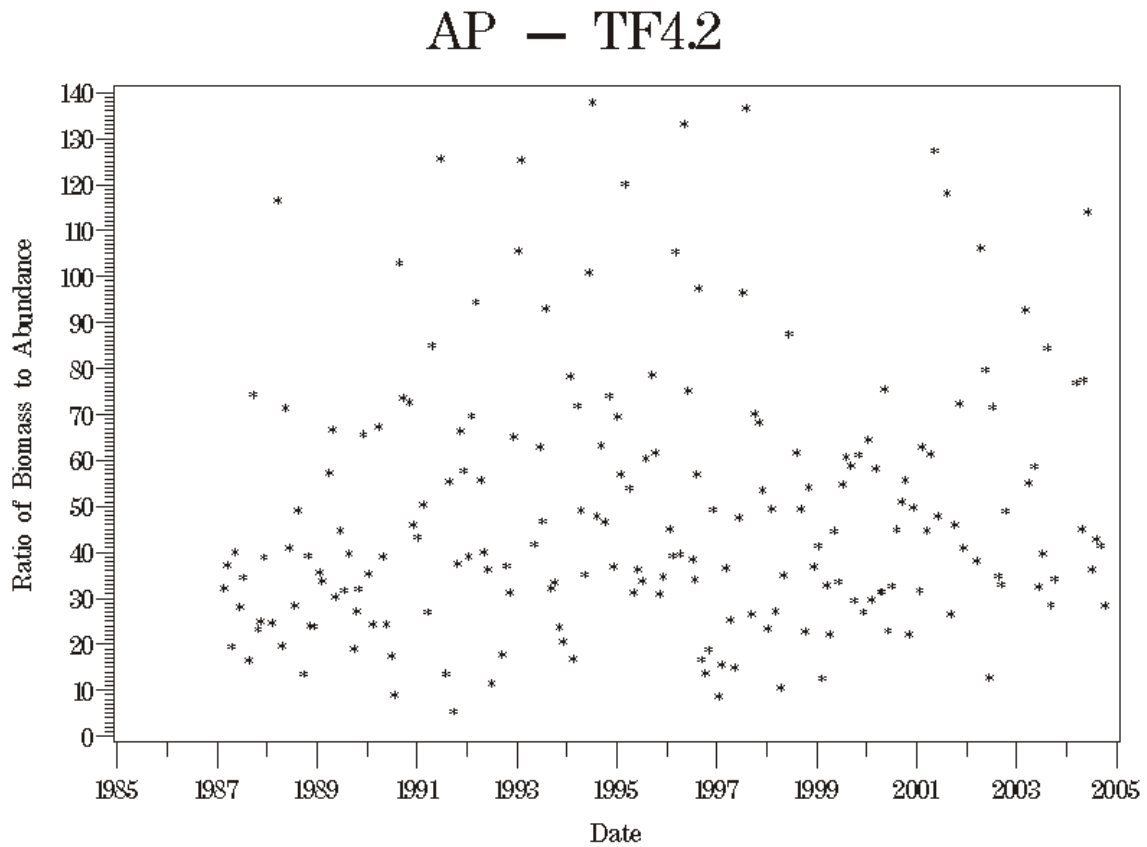


Figure F47. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station TF4.2 for the period of 1985 through 2004.

AP – TF4.2

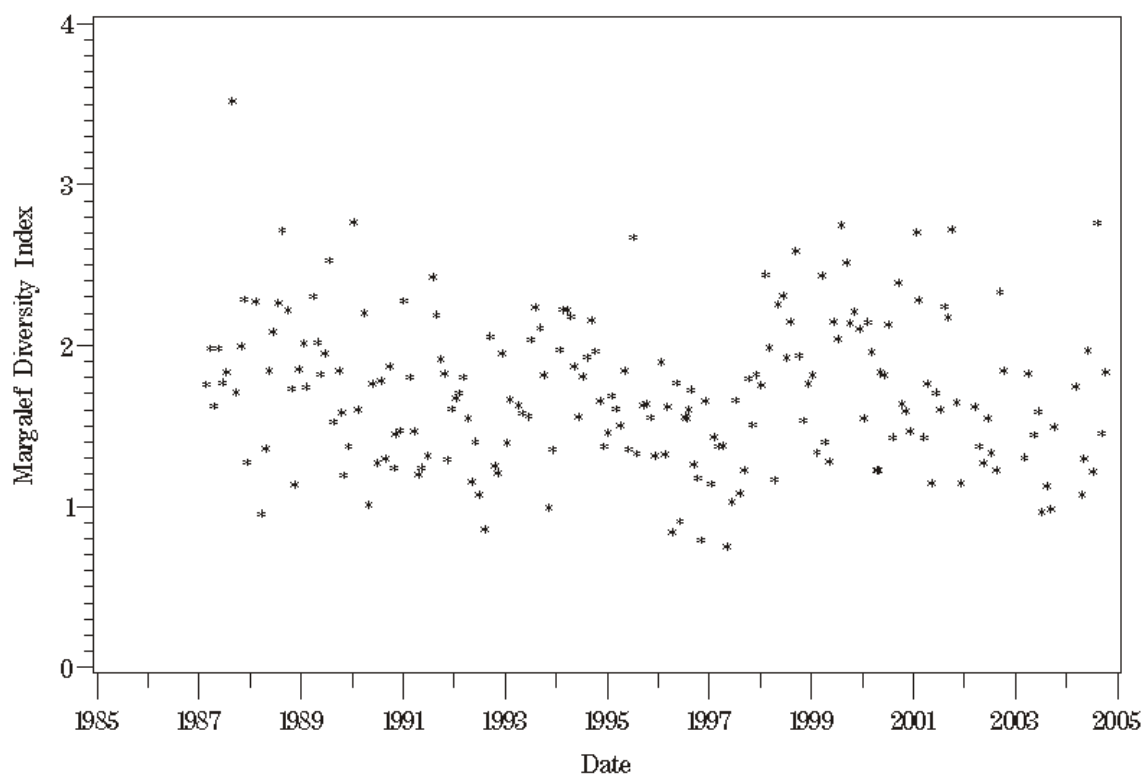


Figure F48. Plot of above pycnocline Margalef diversity index against time at station TF4.2 for the period of 1985 through 2004.

AP – TF4.2

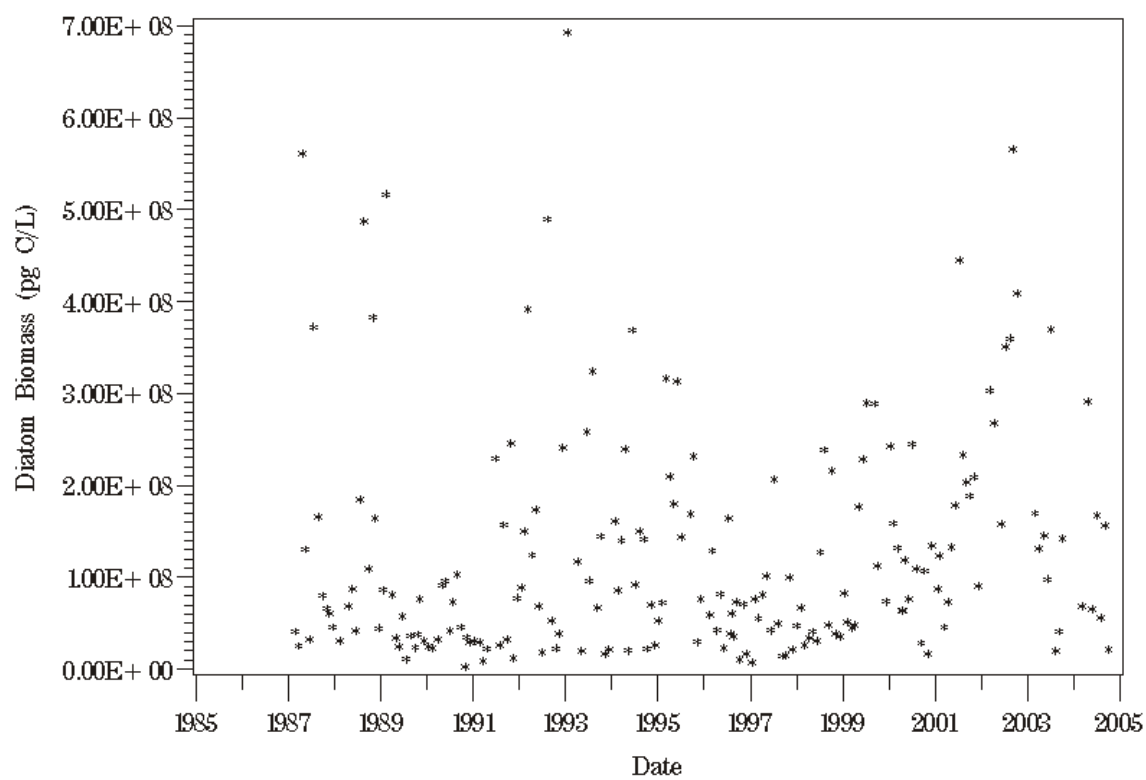


Figure F49. Plot of above pycnocline diatom biomass against time at station TF4.2 for the period of 1985 through 2004.

AP – TF4.2

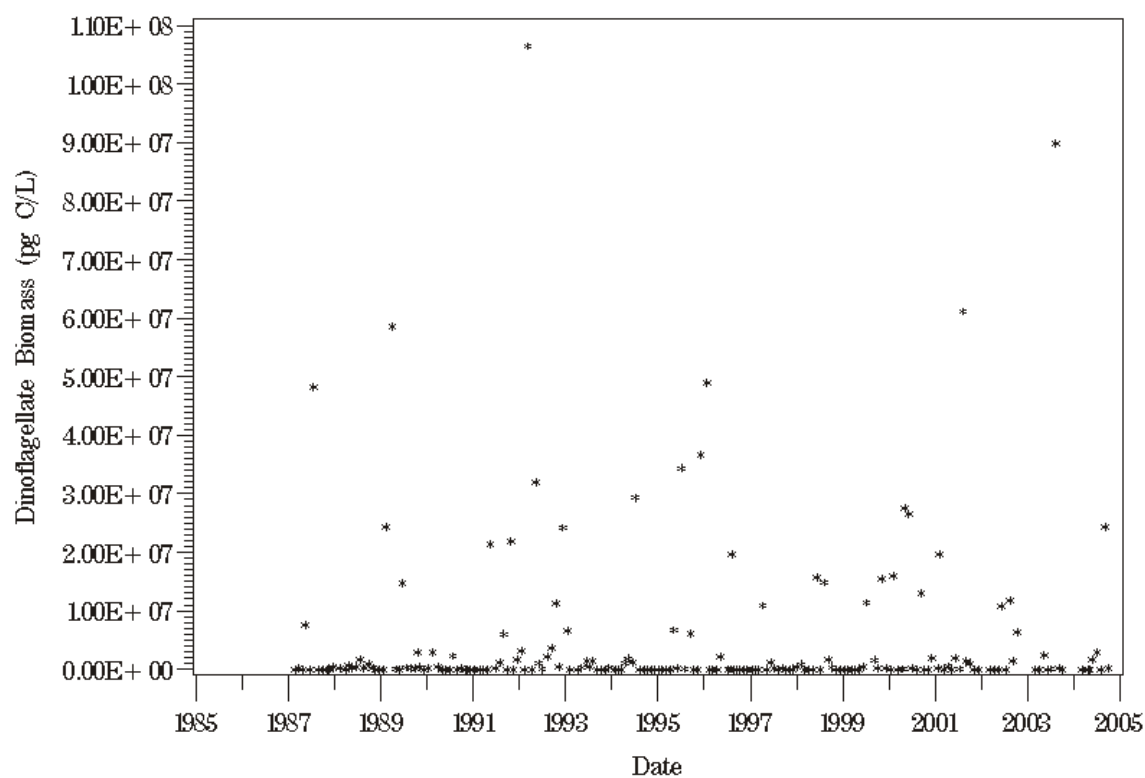


Figure F50. Plot of above pycnocline dinoflagellate biomass against time at station TF4.2 for the period of 1985 through 2004.

AP – TF4.2

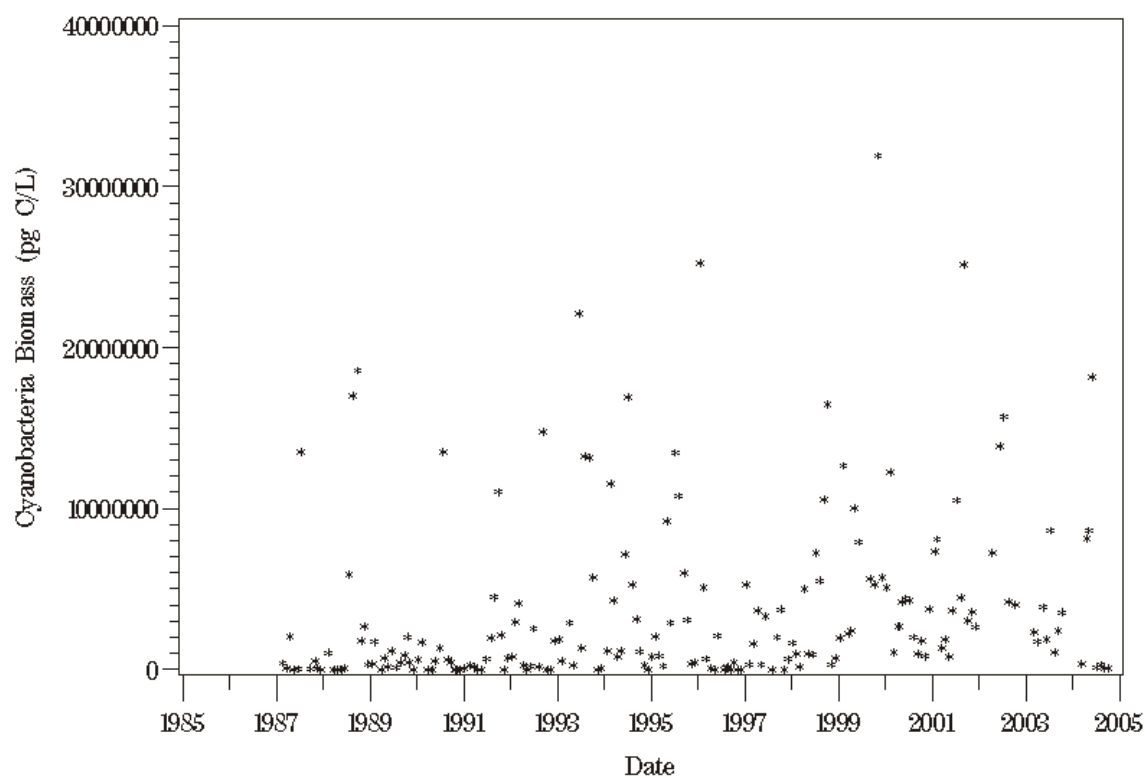


Figure F51. Plot of above pycnocline cyanobacteria biomass against time at station TF4.2 for the period of 1985 through 2004.

AP – TF4.2

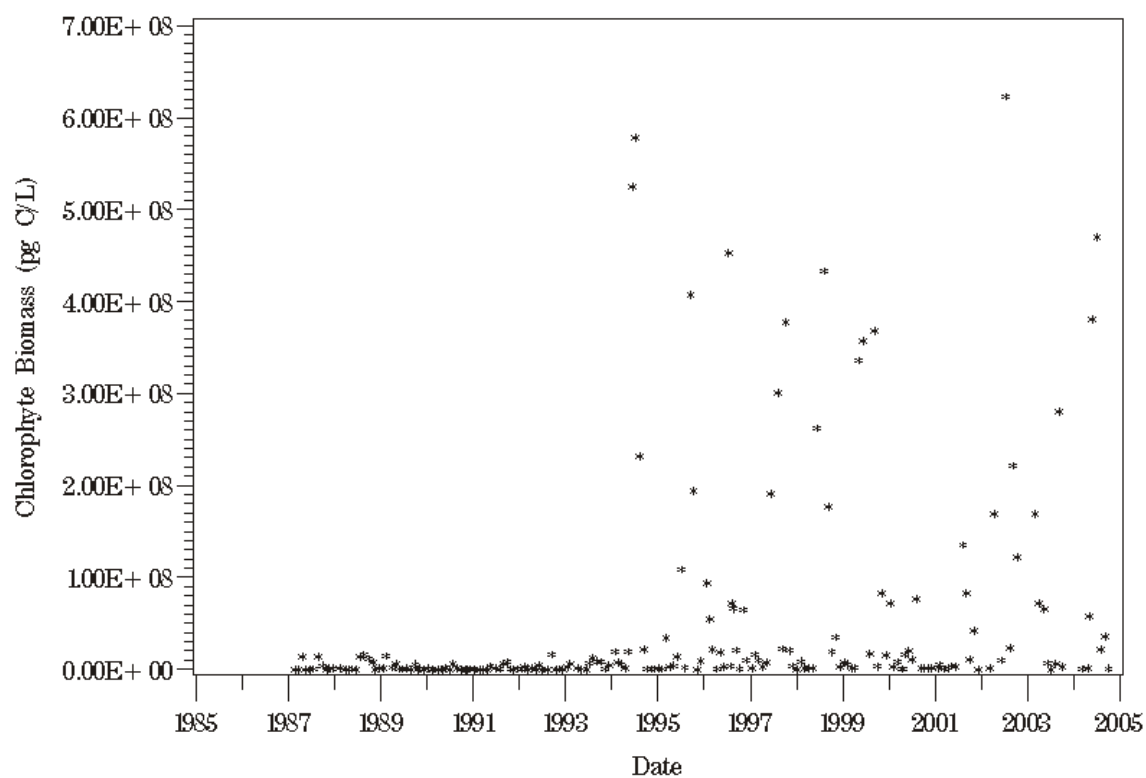


Figure F52. Plot of above pycnocline chlorophyte biomass against time at station TF4.2 for the period of 1985 through 2004.

AP – TF4.2

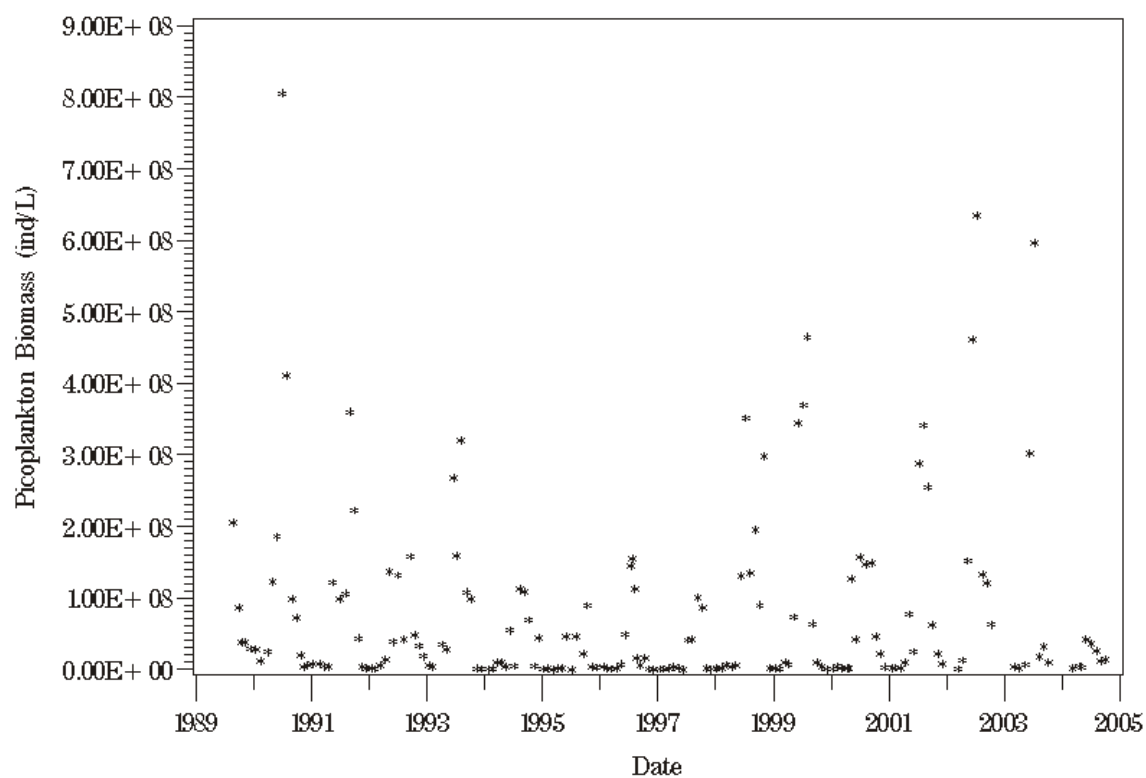


Figure F53. Plot of above pycnocline picoplankton biomass against time at station TF4.2 for the period of 1985 through 2004.

AP – TF4.2

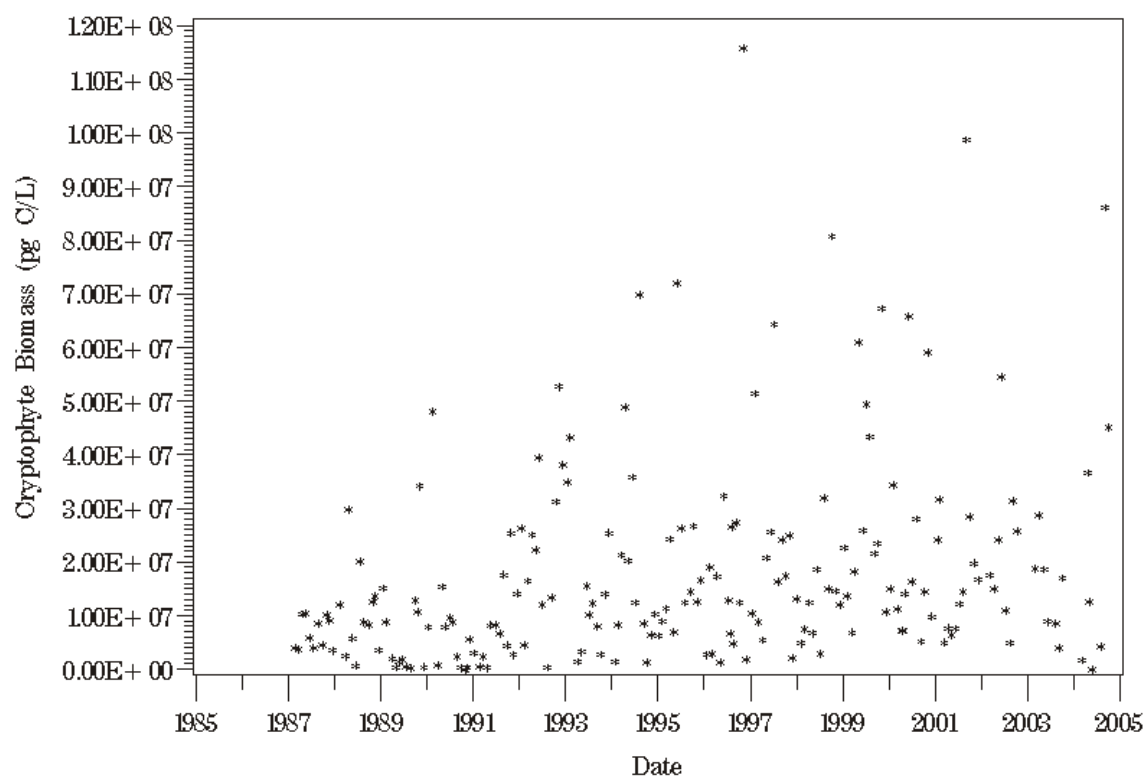


Figure F54. Plot of above pycnocline cryptophyte biomass at station TF4.2 for the period of 1985 through 2004.

AP – TF4.2

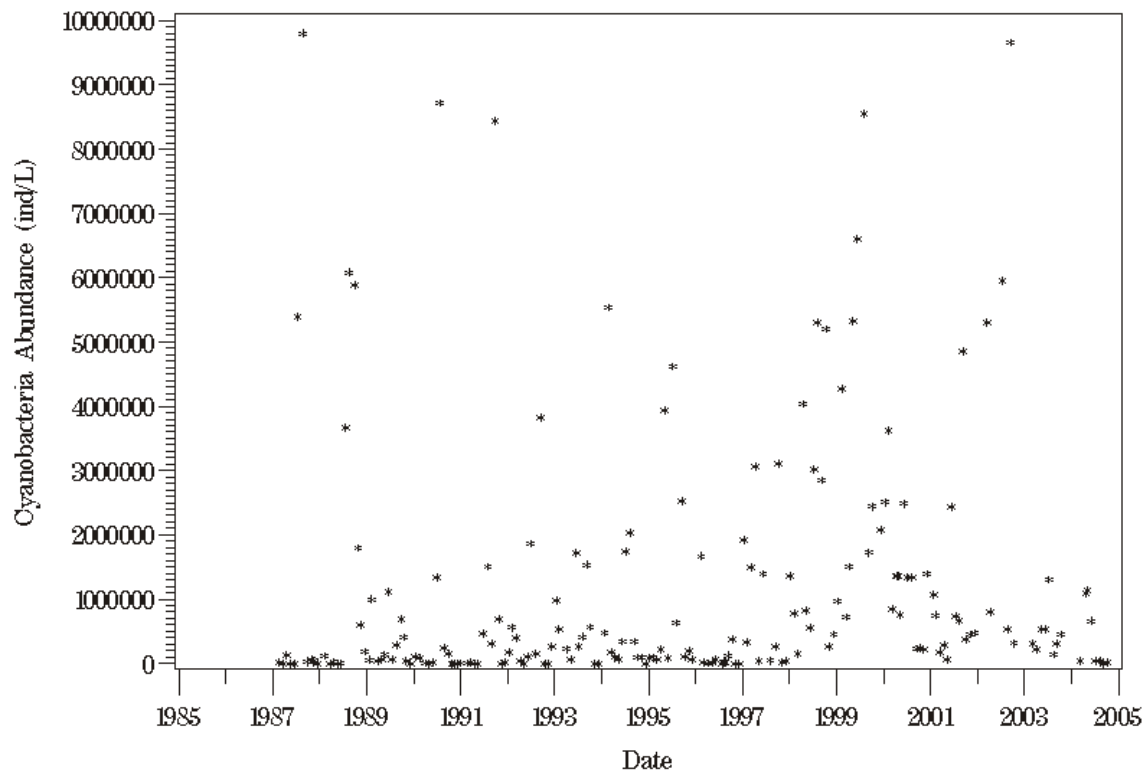


Figure F55. Plot of above pycnocline cyanophyte abundance at station TF4.2 for the period of 1985 through 2004.

AP – RET4.3

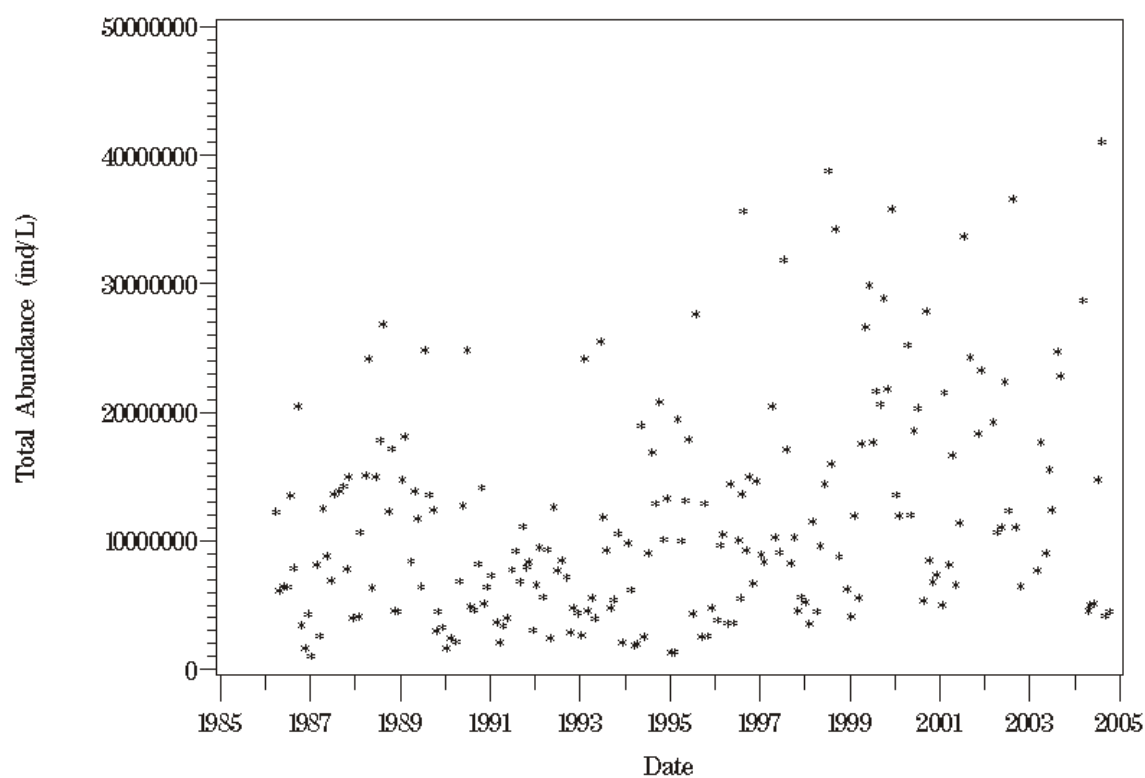


Figure F56. Plot of above pycnocline total phytoplankton abundance against time at station RET4.3 for the period of 1985 through 2004.

AP — RET4.3

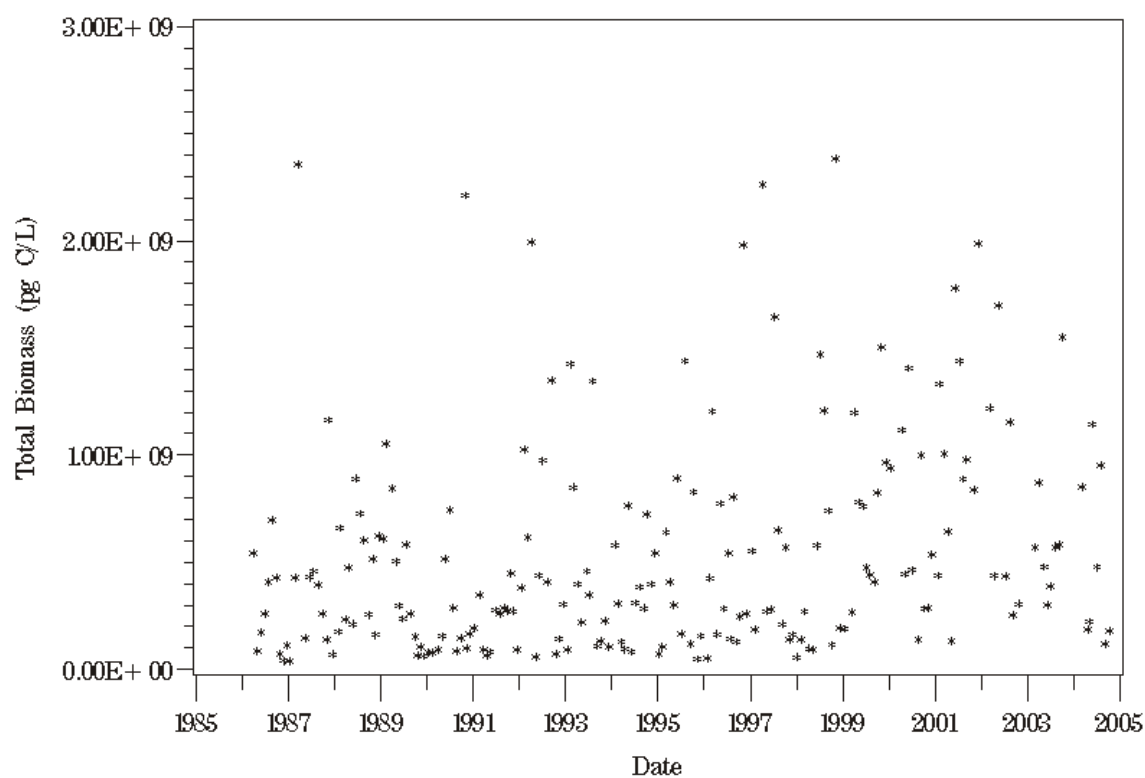


Figure F57. Plot of above pycnocline total phytoplankton biomass against time at station RET4.3 for the period of 1985 through 2004.

AP — RET4.3

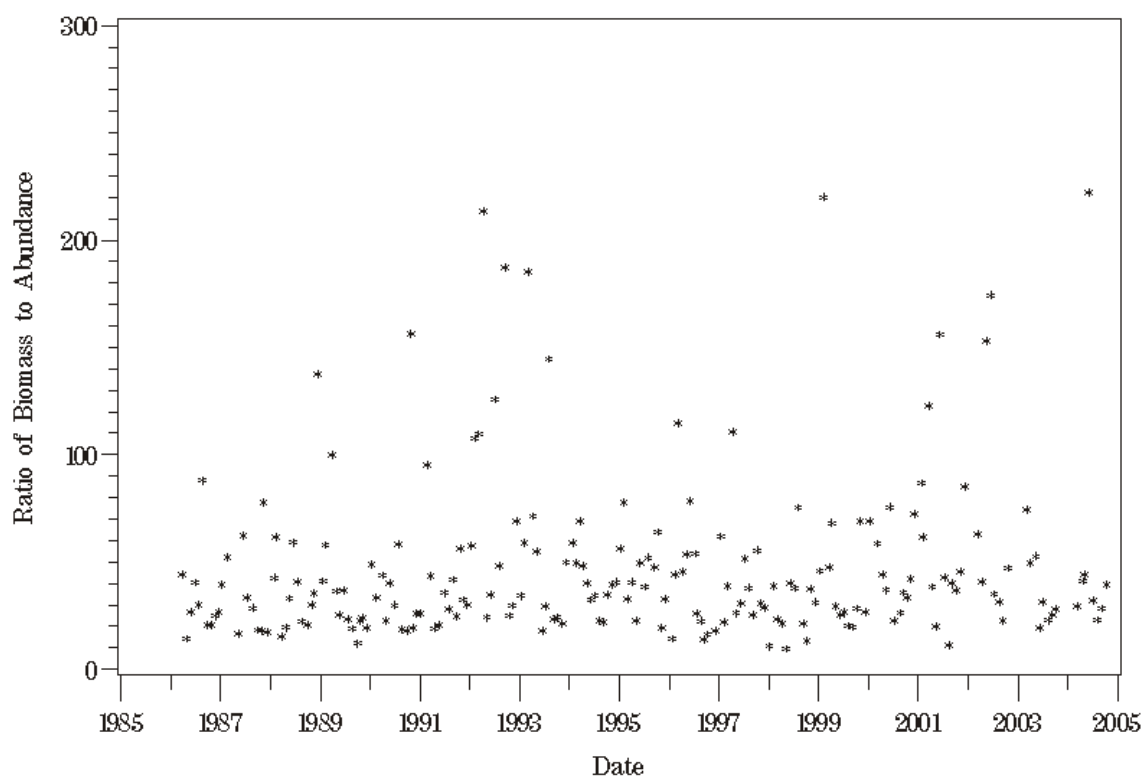


Figure F58. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station RET4.3 for the period of 1985 through 2004.

AP — RET4.3

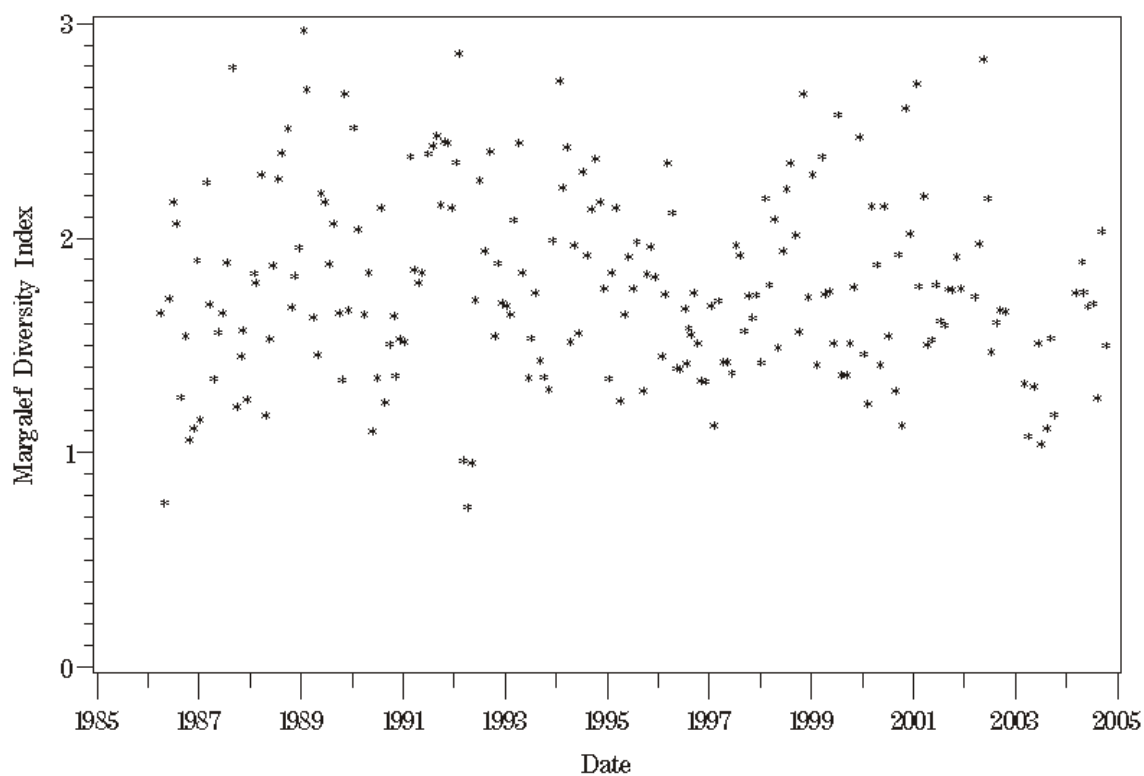


Figure F59. Plot of above pycnocline Margalef diversity index against time at station RET4.3 for the period of 1985 through 2004.

AP — RET4.3

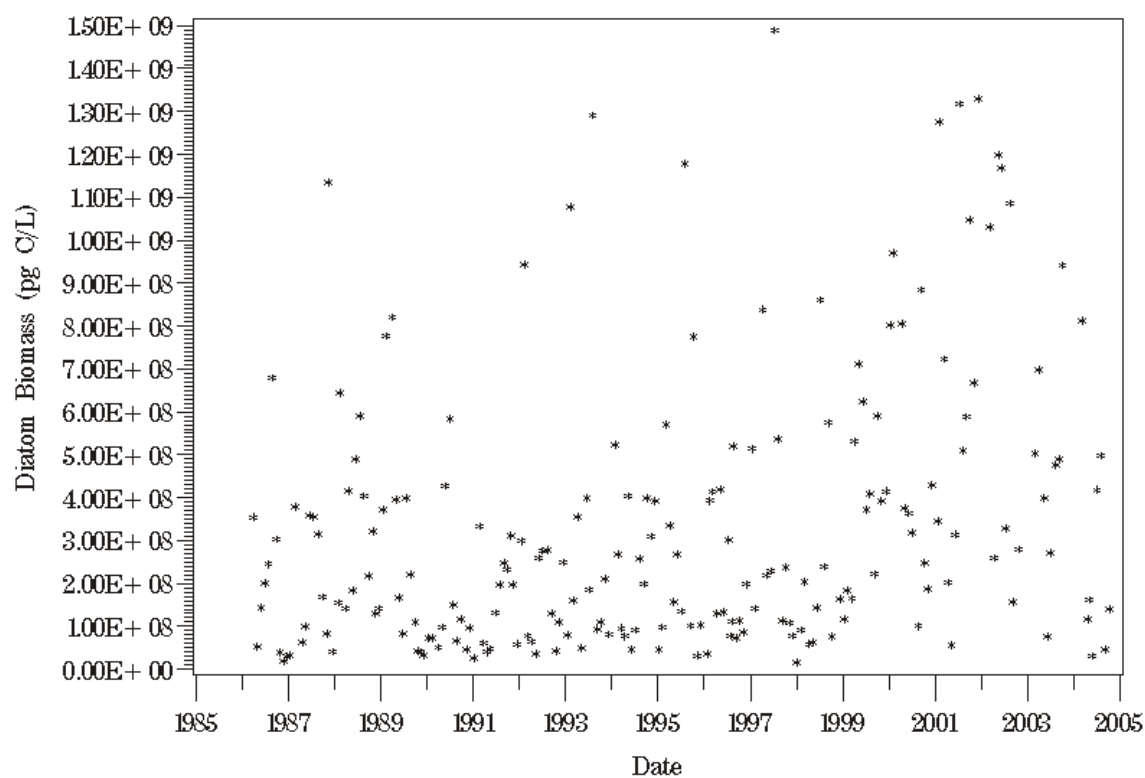


Figure F60. Plot of above pycnocline diatom biomass against time at station RET4.3 for the period of 1985 through 2004.

AP – RET4.3

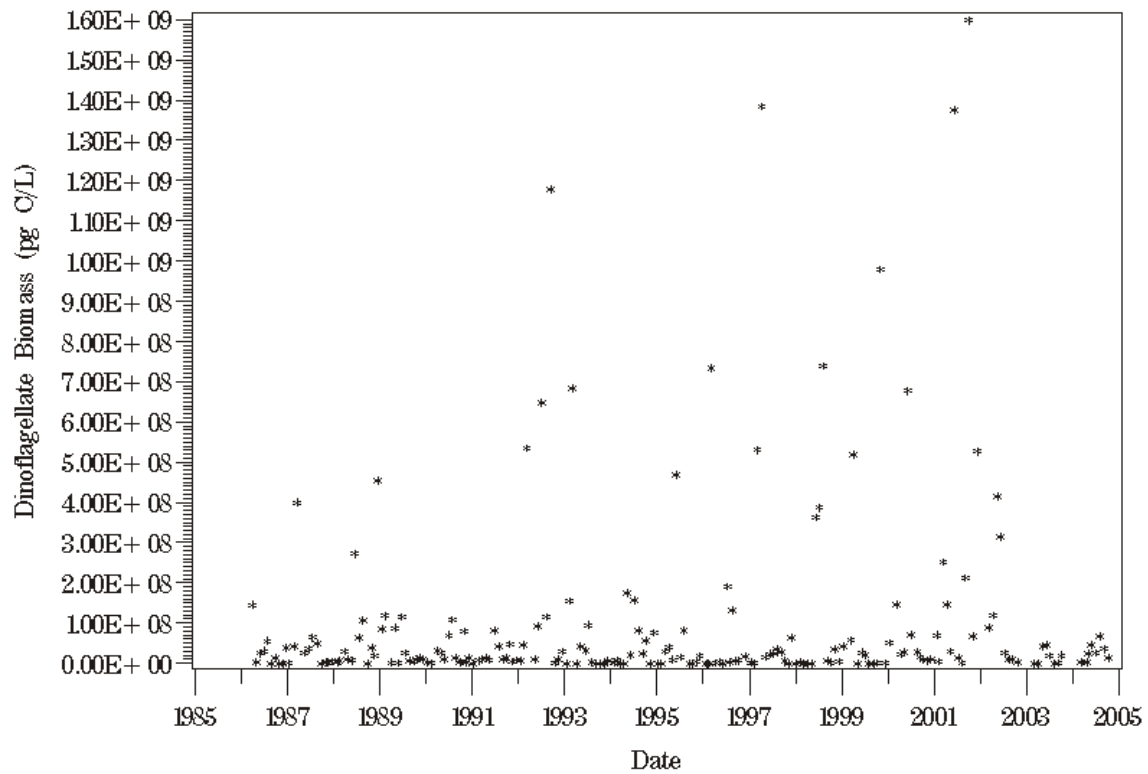


Figure F61. Plot of above pycnocline dinoflagellate biomass against time at station RET4.3 for the period of 1985 through 2004.

AP — RET4.3

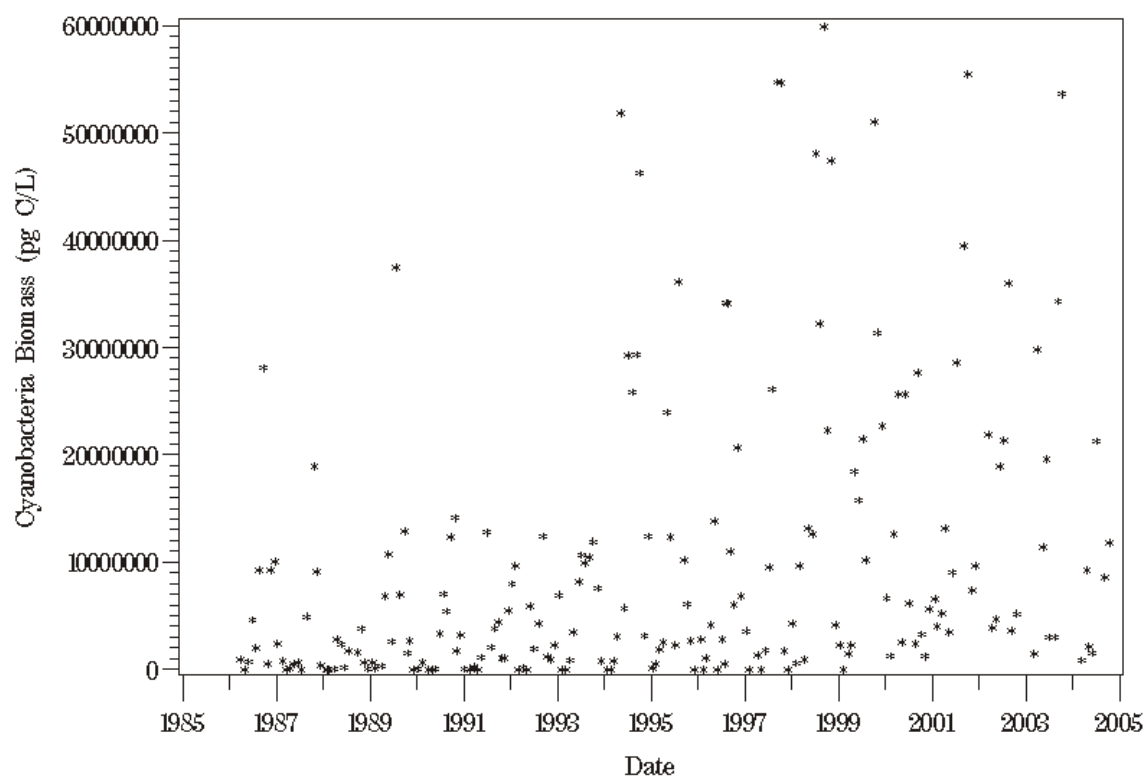


Figure F62. Plot of above pycnocline cyanobacteria biomass against time at station RET4.3 for the period of 1985 through 2004.

AP — RET4.3

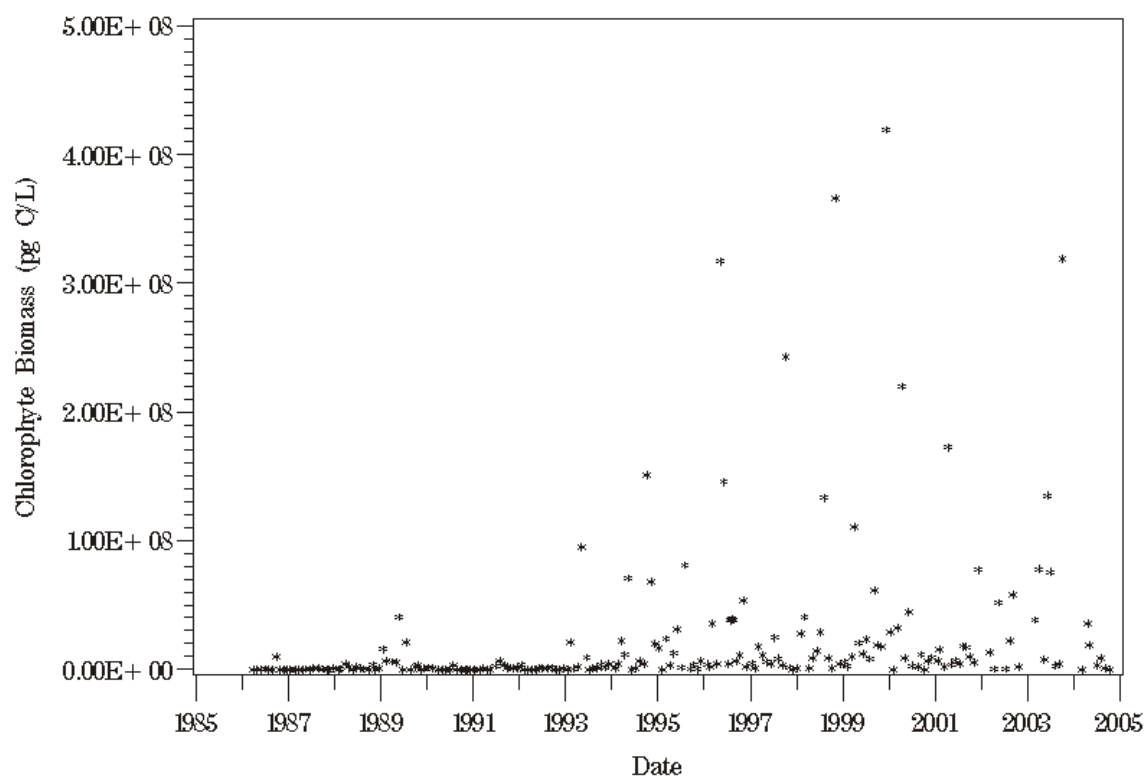


Figure F63. Plot of above pycnocline chlorophyte biomass against time at station RET4.3 for the period of 1985 through 2004.

AP — RET4.3

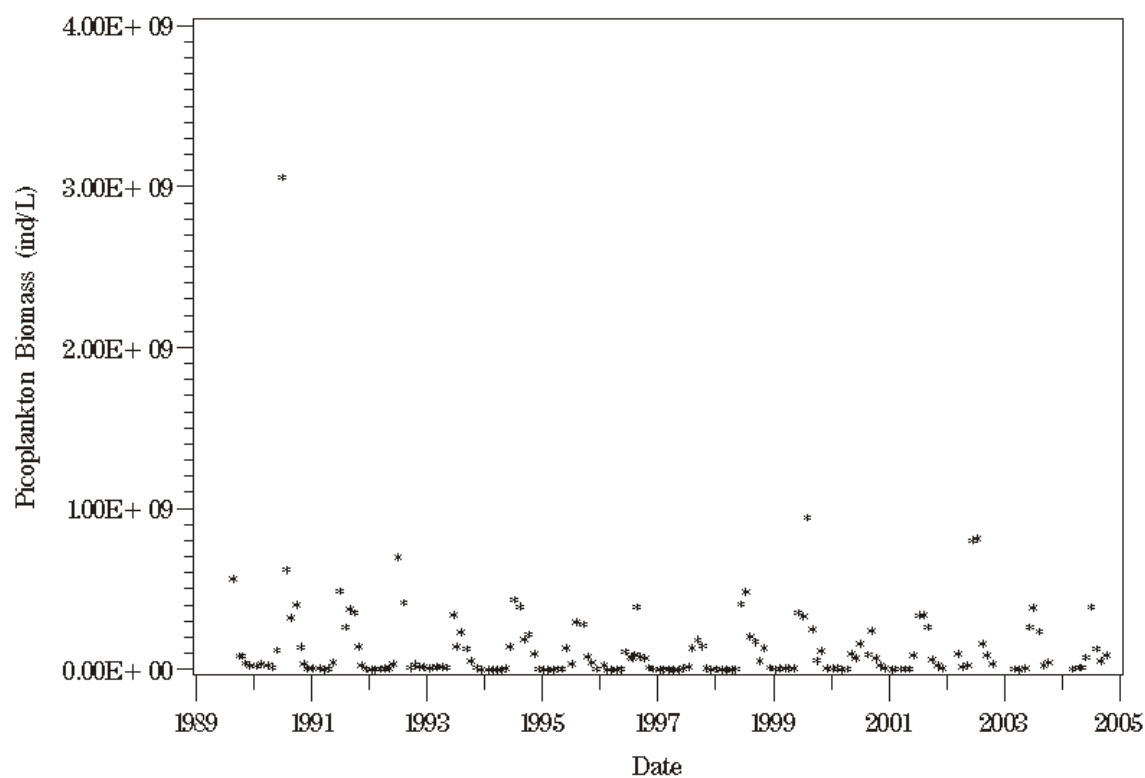


Figure F64. Plot of above pycnocline picoplankton biomass against time at station RET4.3 for the period of 1985 through 2004.

AP — RET4.3

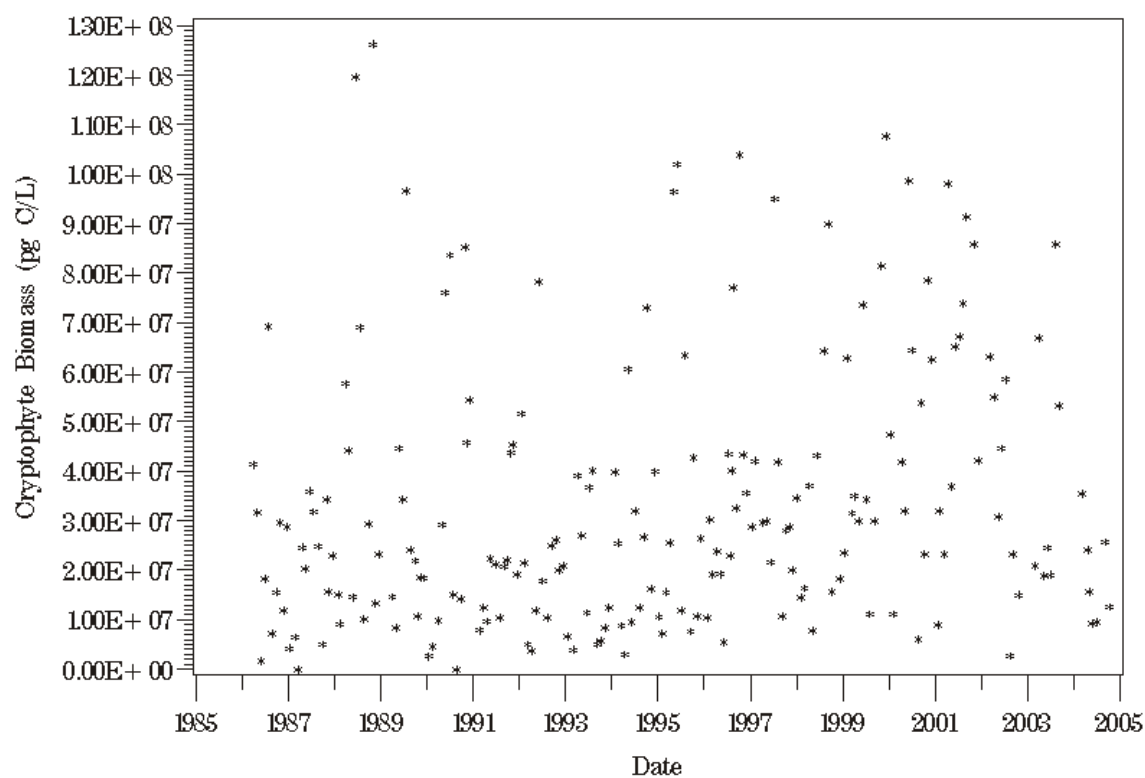


Figure F65. Plot of above pycnocline cryptophyte biomass at station RET4.3 for the period of 1985 through 2004.

AP – RET4.3

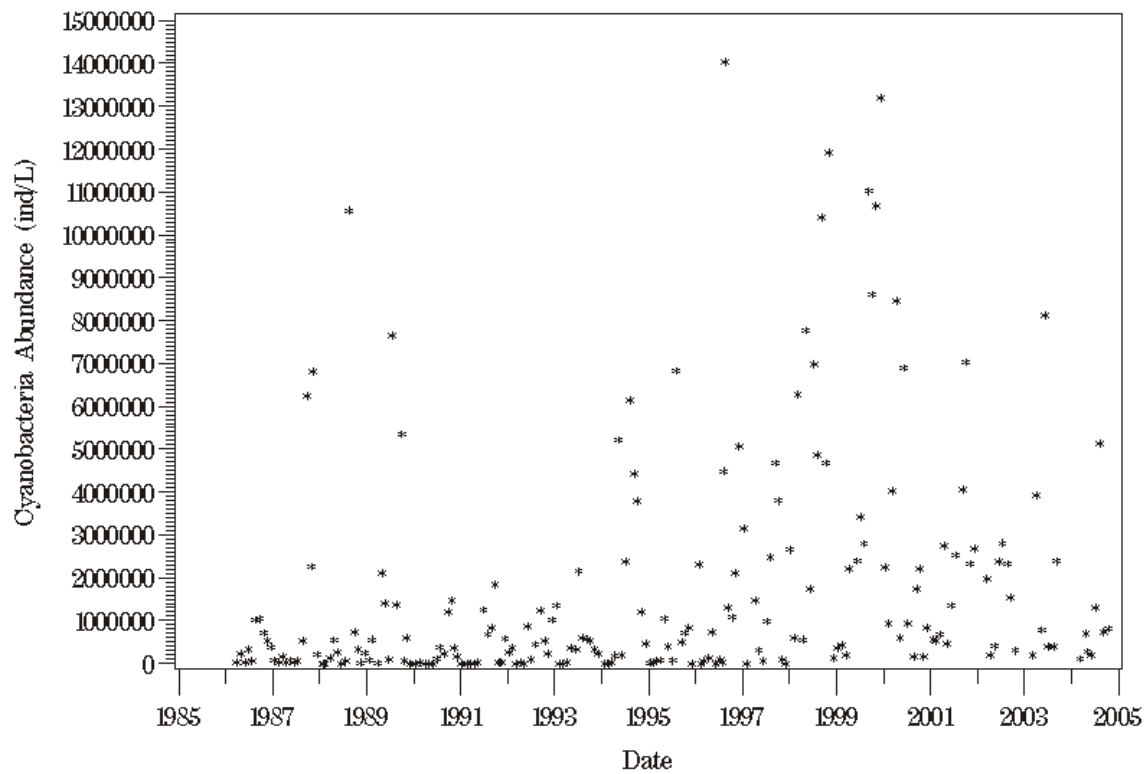


Figure F66. Plot of above pycnocline cyanophyte abundance at station RET4.3 for the period of 1985 through 2004.

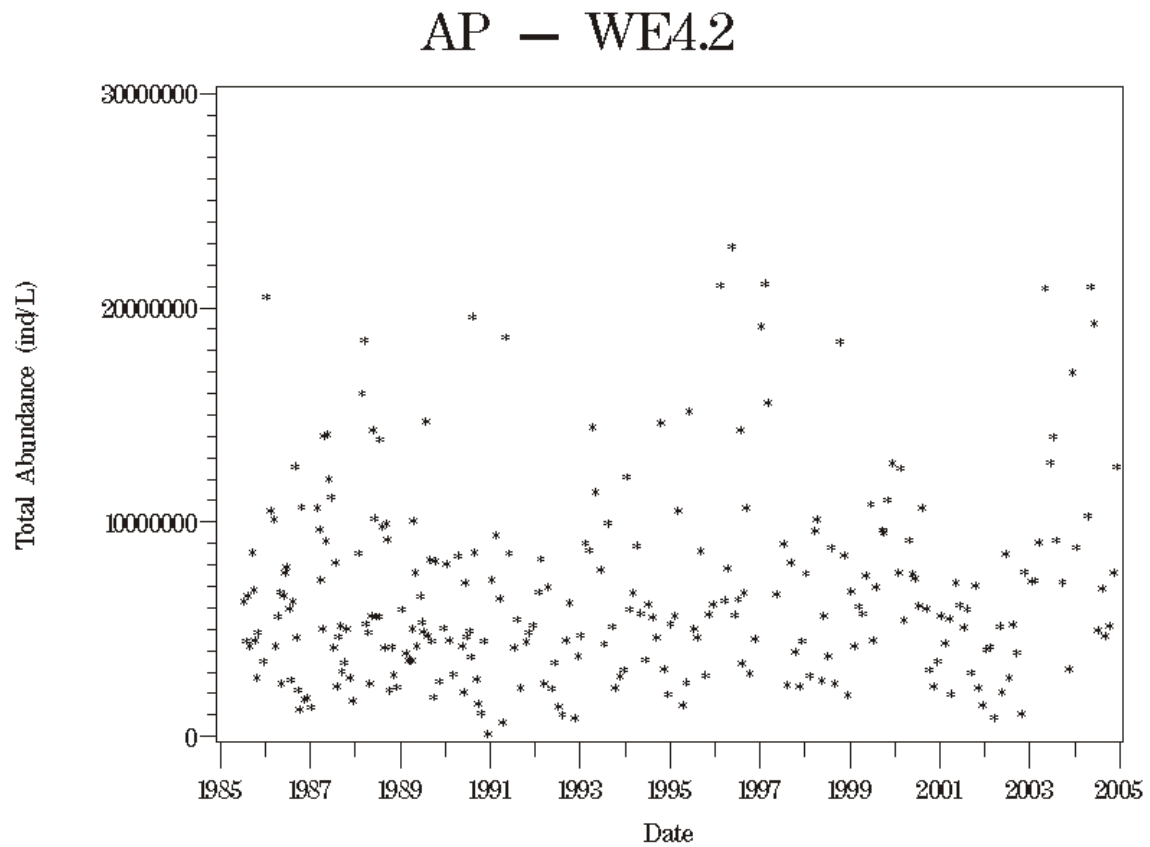


Figure F67. Plot of above pycnocline total phytoplankton abundance against time at station WE4.2 for the period of 1985 through 2004.

AP — WE4.2

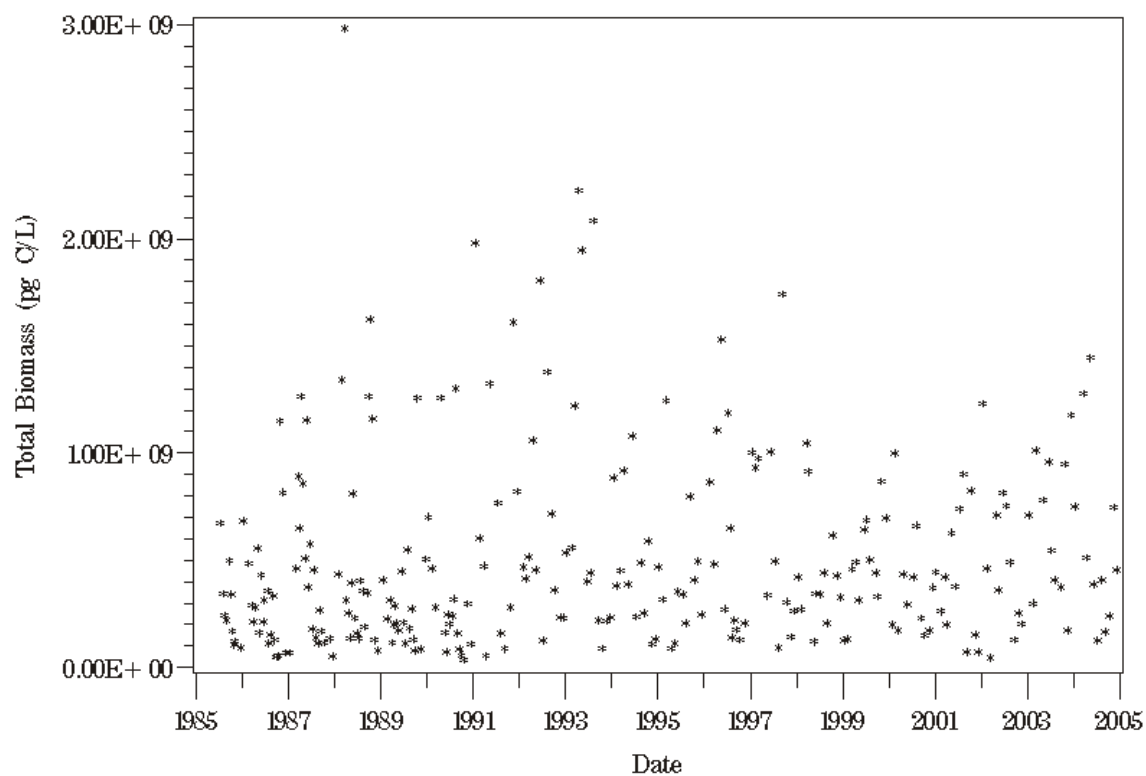


Figure F68. Plot of above pycnocline total phytoplankton biomass against time at station WE4.2 for the period of 1985 through 2004.

AP — WE4.2

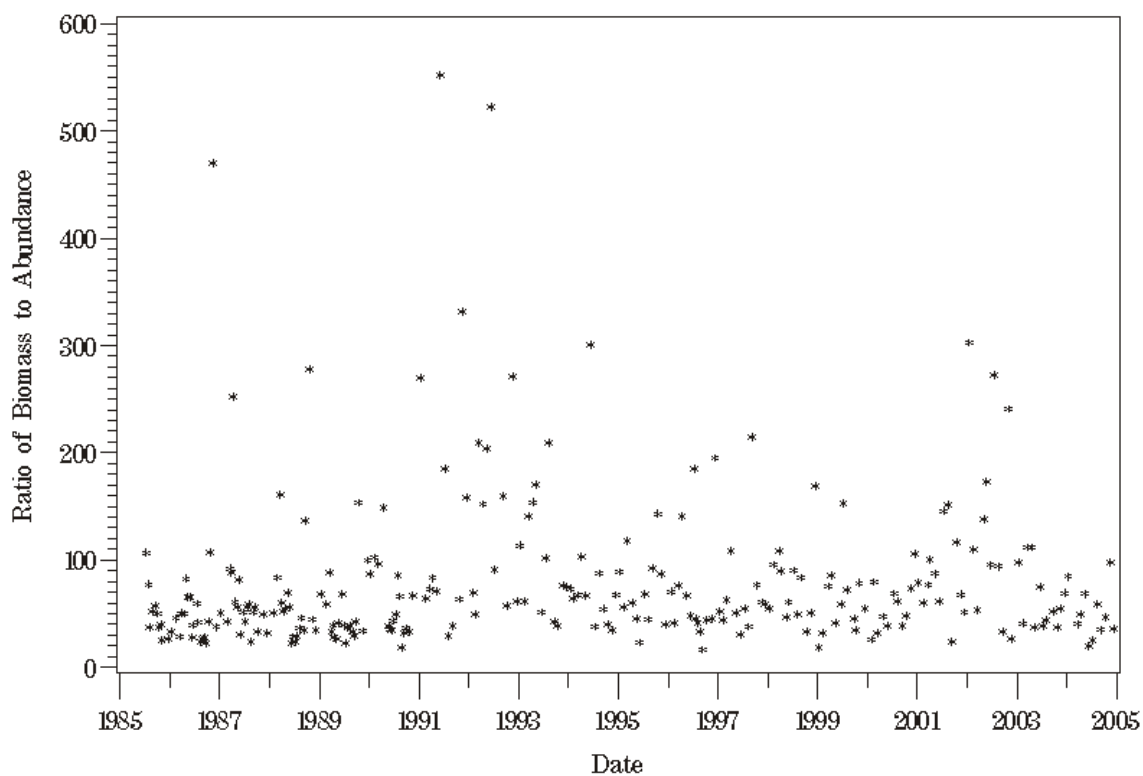


Figure F69. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station WE4.2 for the period of 1985 through 2004.

AP — WE4.2

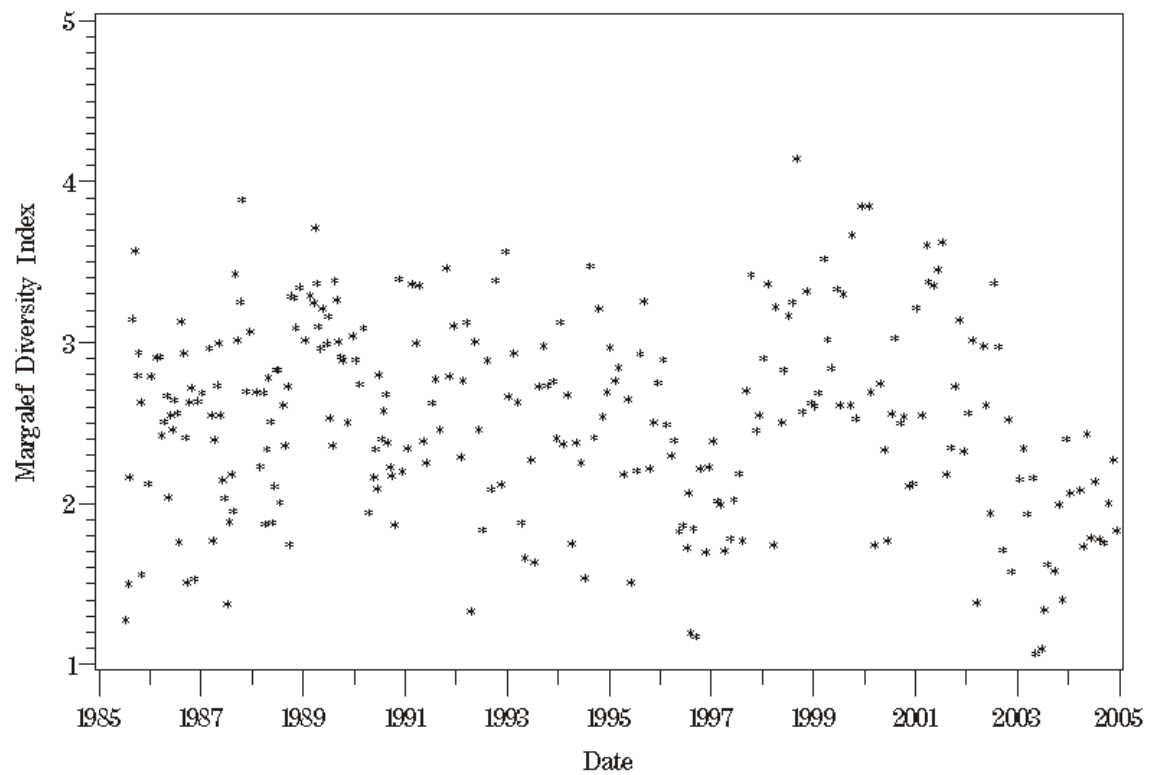


Figure F70. Plot of above pycnocline Margalef diversity index against time at station WE4.2 for the period of 1985 through 2004.

AP — WE4.2

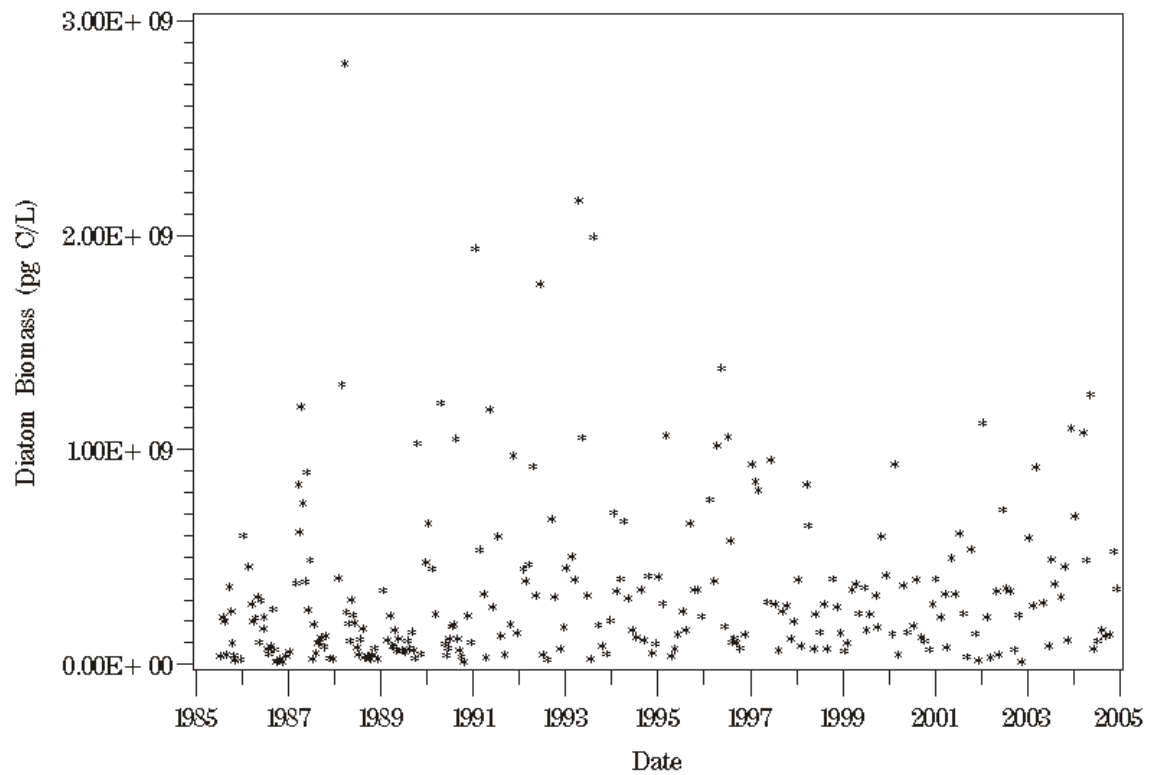


Figure F71. Plot of above pycnocline diatom biomass against time at station WE4.2 for the period of 1985 through 2004.

AP — WE4.2

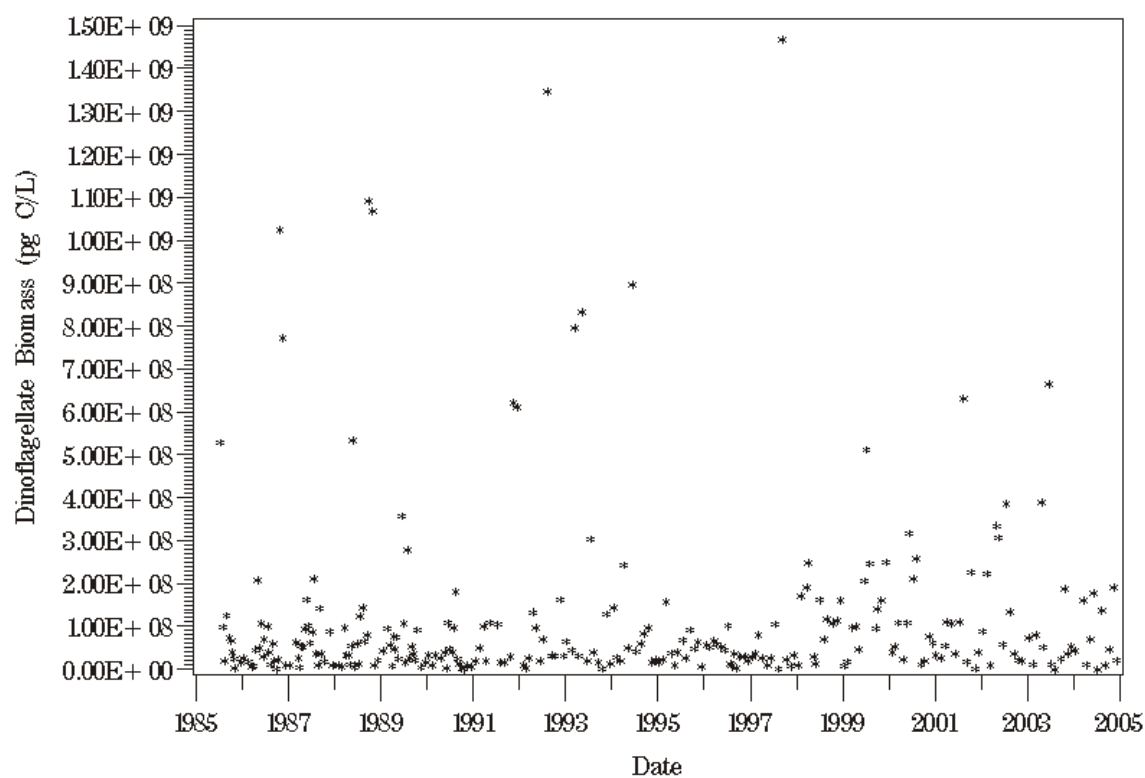


Figure F72. Plot of above pycnocline dinoflagellate biomass against time at station WE4.2 for the period of 1985 through 2004.

AP — WE4.2

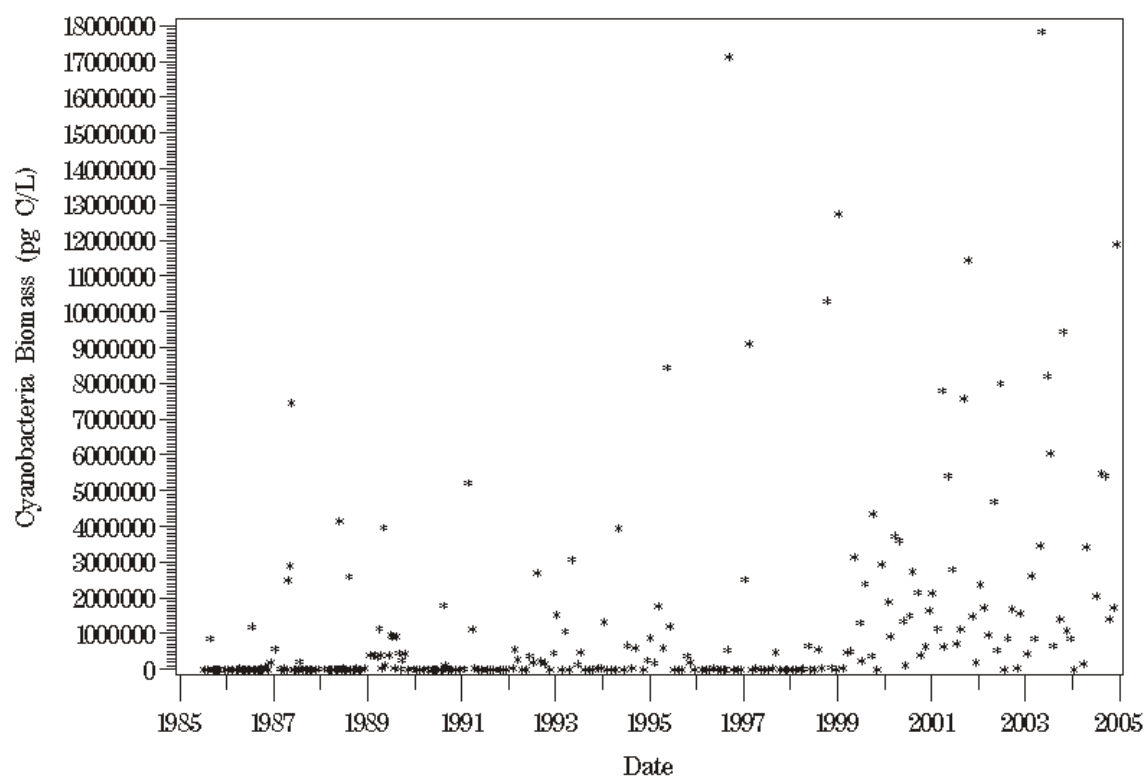


Figure F73. Plot of above pycnocline cyanobacteria biomass against time at station WE4.2 for the period of 1985 through 2004.

AP — WE4.2

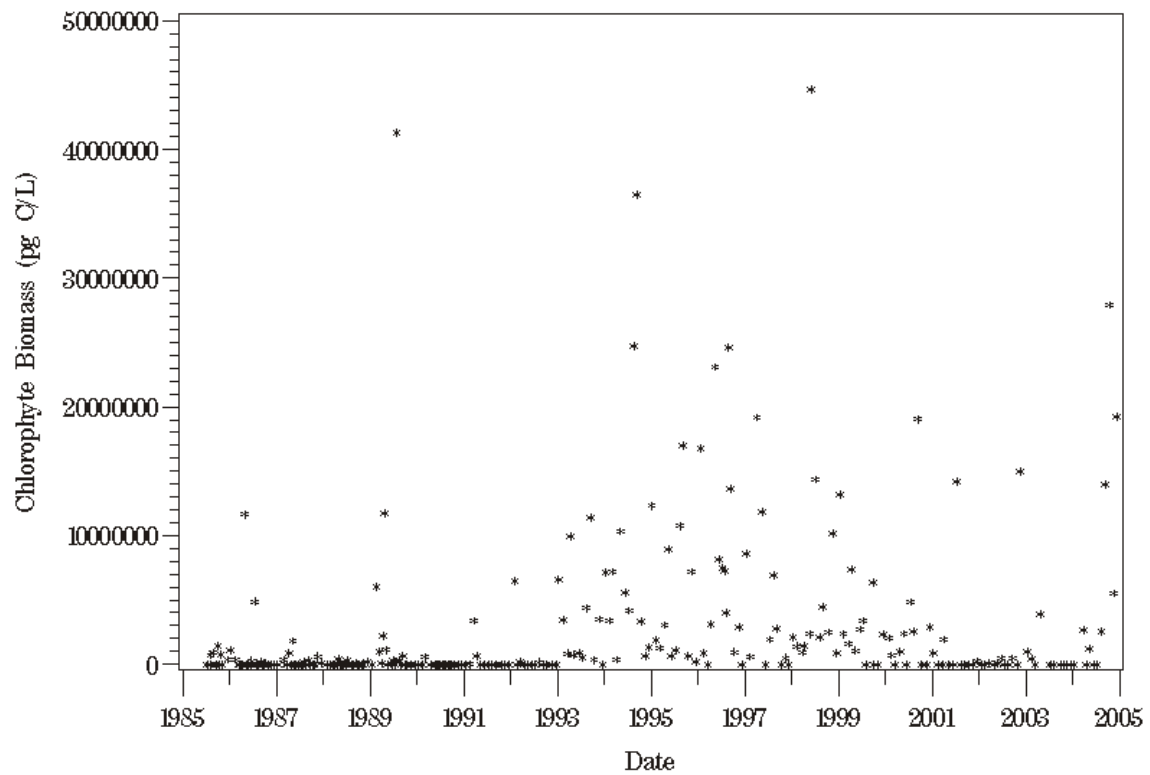


Figure F74. Plot of above pycnocline chlorophyte biomass against time at station WE4.2 for the period of 1985 through 2004.

AP — WE4.2

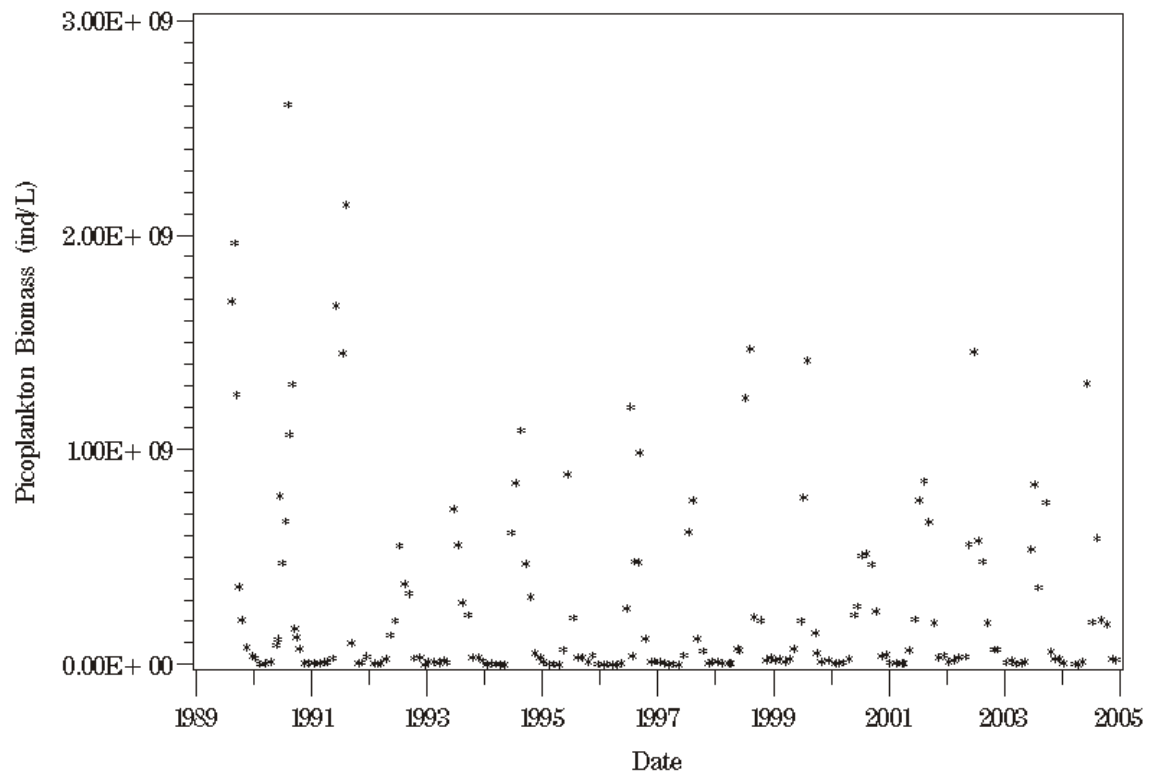


Figure F75. Plot of above pycnocline picoplankton biomass against time at station WE4.2 for the period of 1985 through 2004.

AP — WE4.2

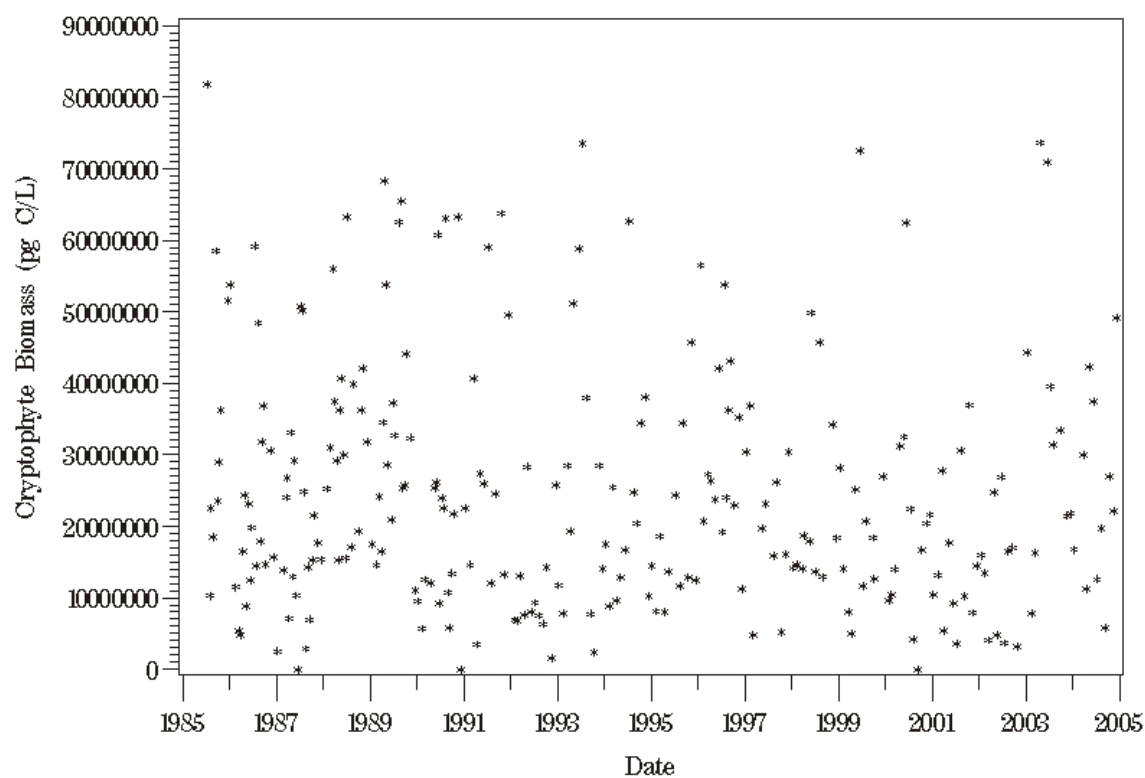


Figure F76. Plot of above pycnocline cryptophyte biomass at station WE4.2 for the period of 1985 through 2004.

AP — WE4.2

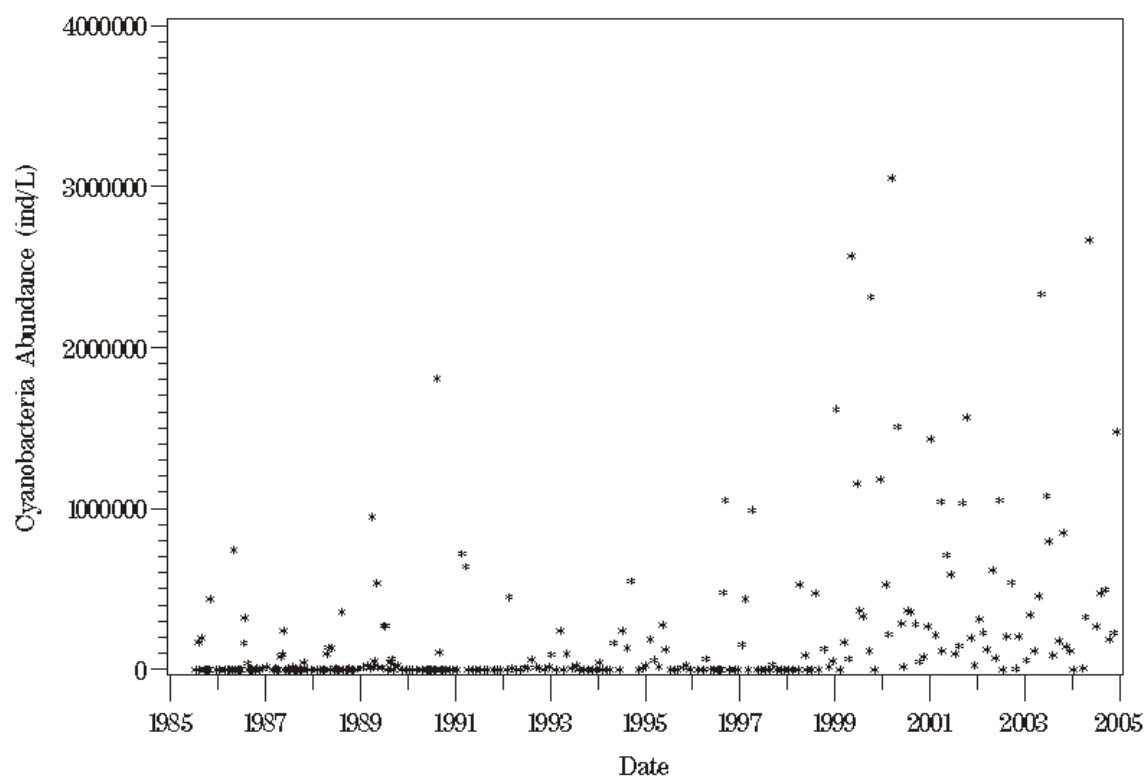


Figure F77. Plot of above pycnocline cyanophyte abundance at station WE4.2 for the period of 1985 through 2004.

AP – TF3.3

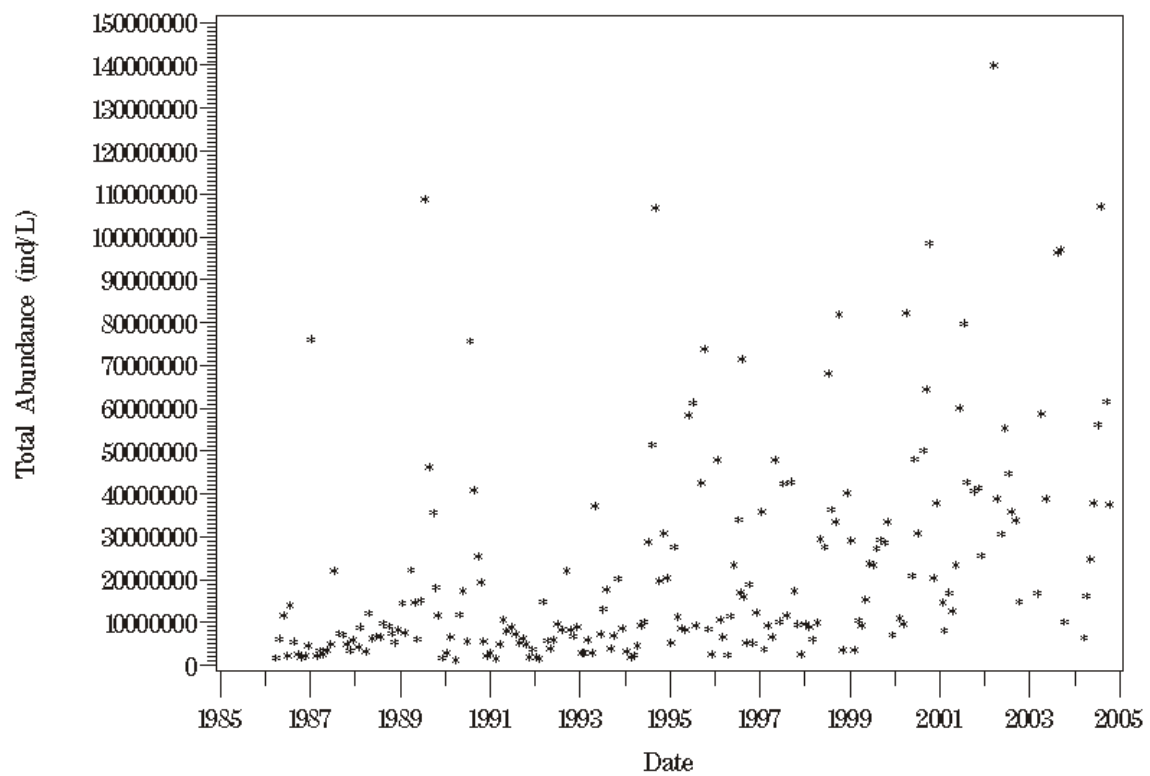


Figure F78. Plot of above pycnocline total phytoplankton abundance against time at station TF3.3 for the period of 1985 through 2004.

AP – TF3.3

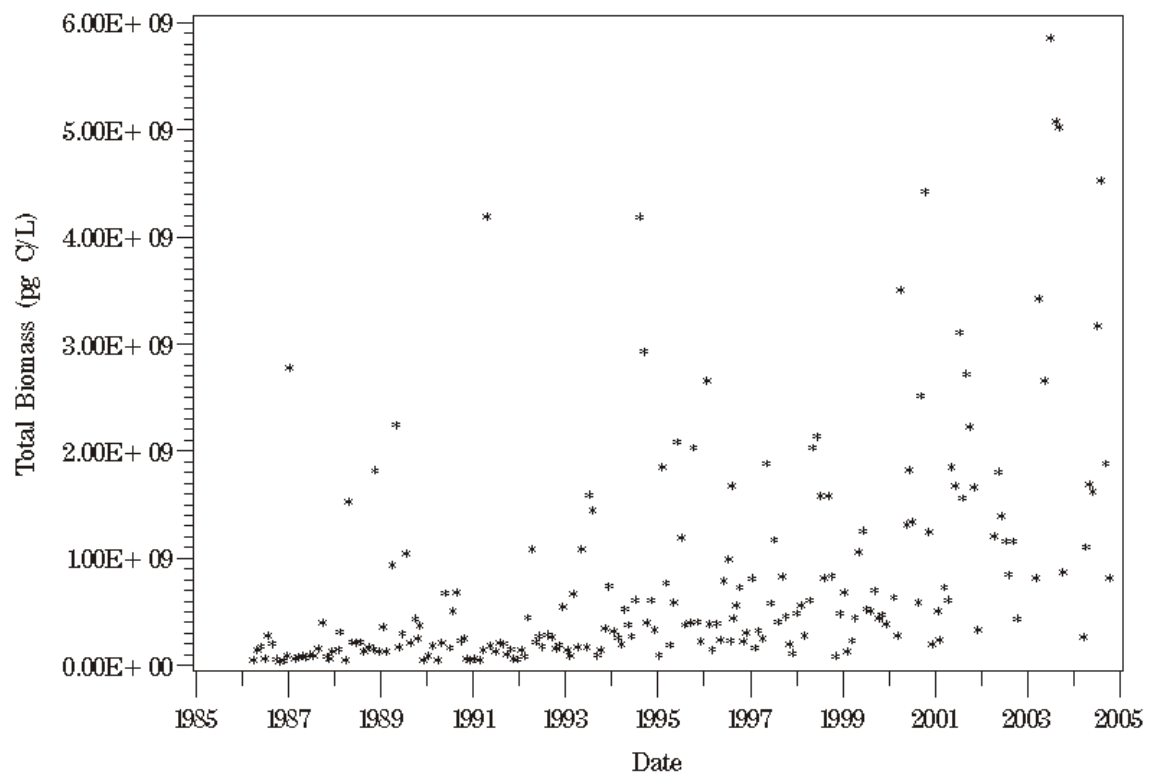


Figure F79. Plot of above pycnocline total phytoplankton biomass against time at station TF3.3 for the period of 1985 through 2004.

AP – TF3.3

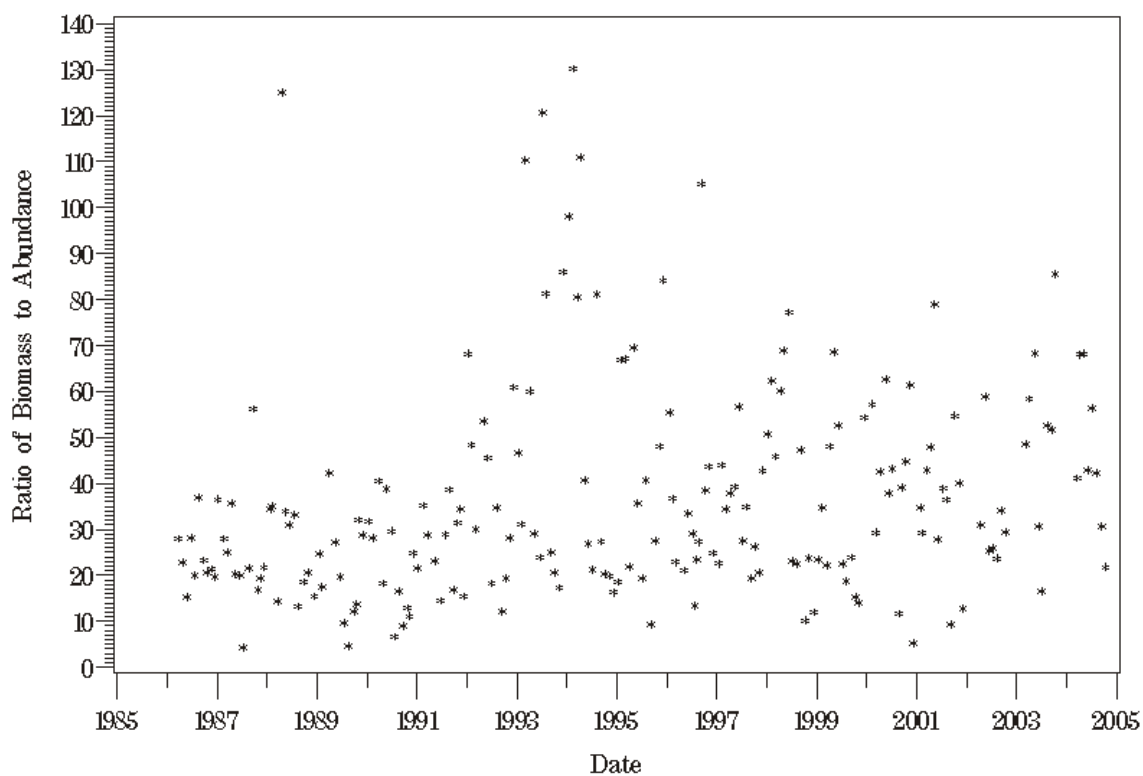


Figure F80. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station TF3.3 for the period of 1985 through 2004.

AP – TF3.3

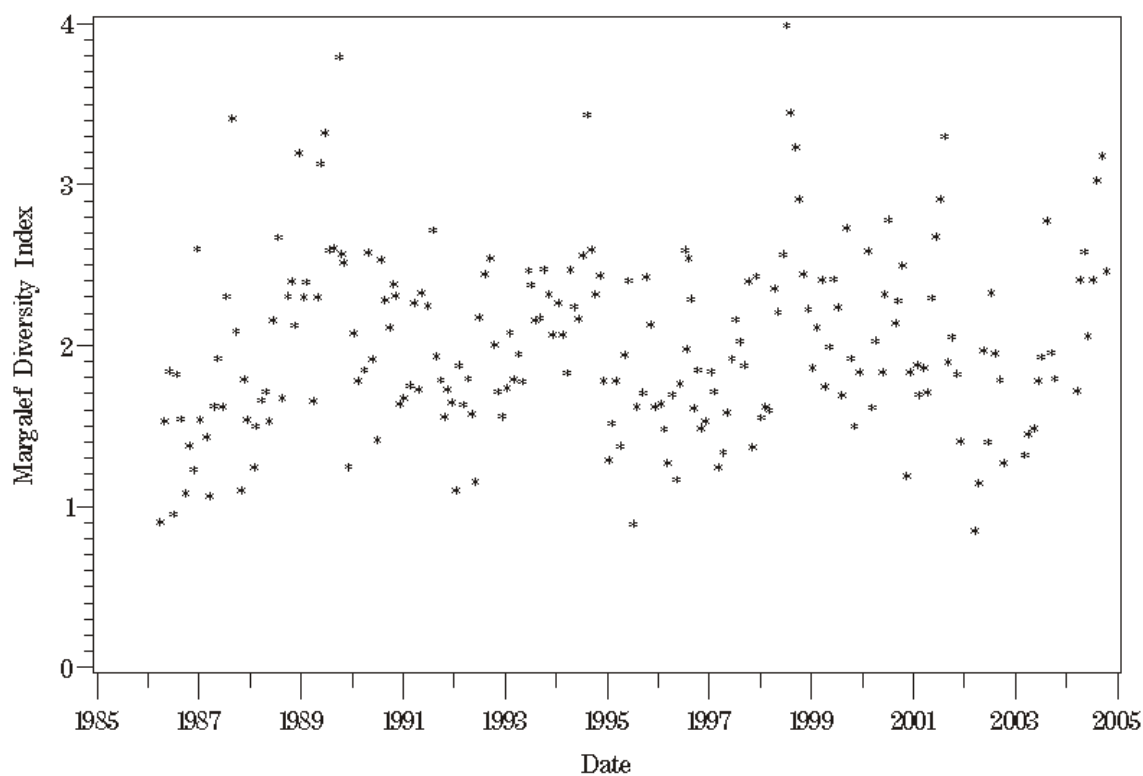


Figure F81. Plot of above pycnocline Margalef diversity index against time at station TF3.3 for the period of 1985 through 2004.

AP – TF3.3

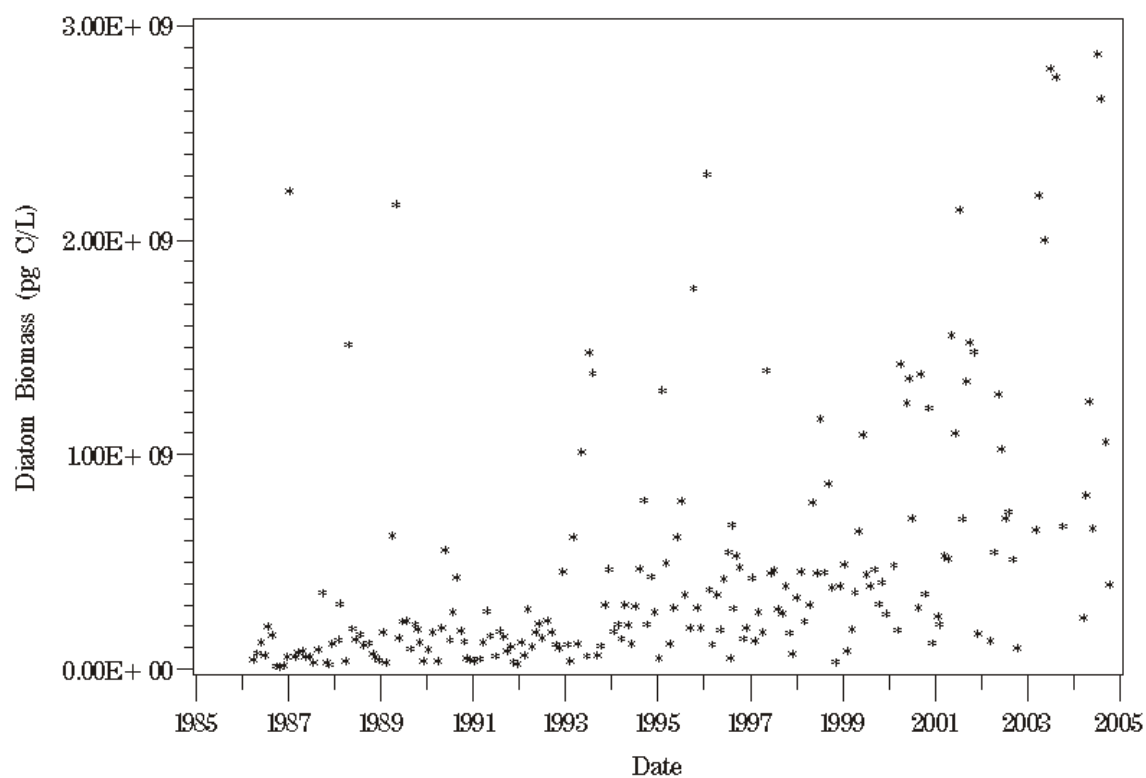


Figure F82. Plot of above pycnocline diatom biomass against time at station TF3.3 for the period of 1985 through 2004.

AP – TF3.3

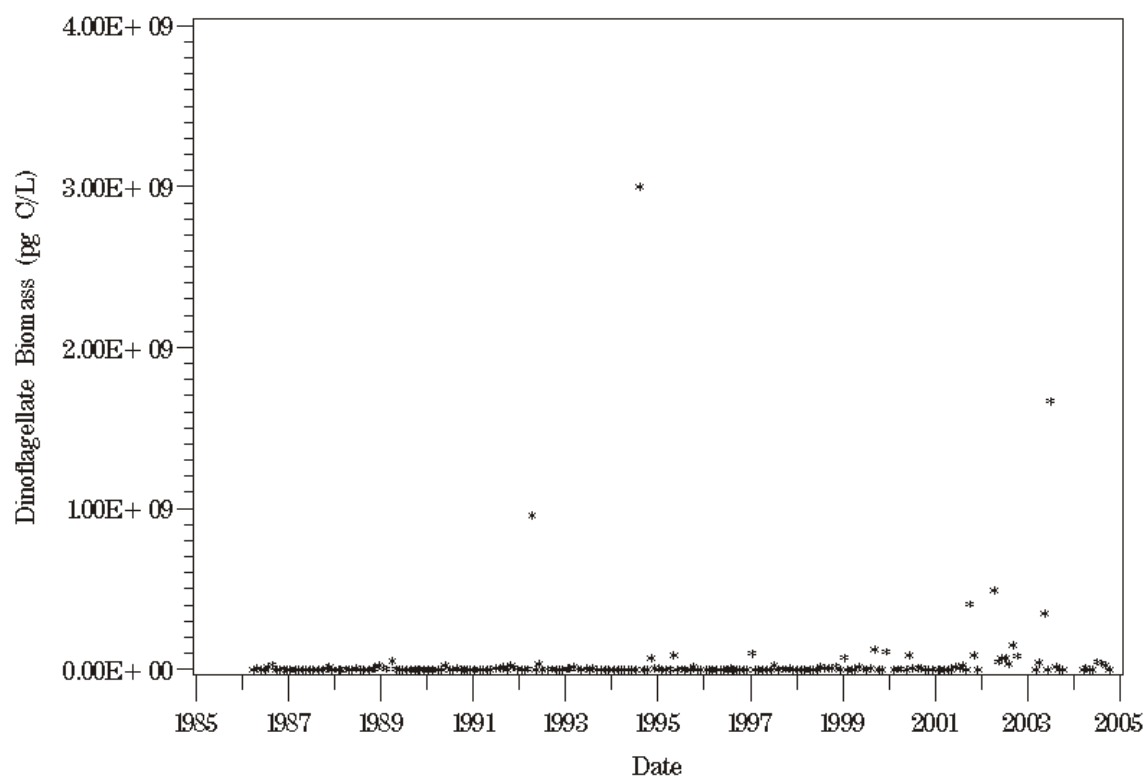


Figure F83. Plot of above pycnocline dinoflagellate biomass against time at station TF3.3 for the period of 1985 through 2004.

AP – TF3.3

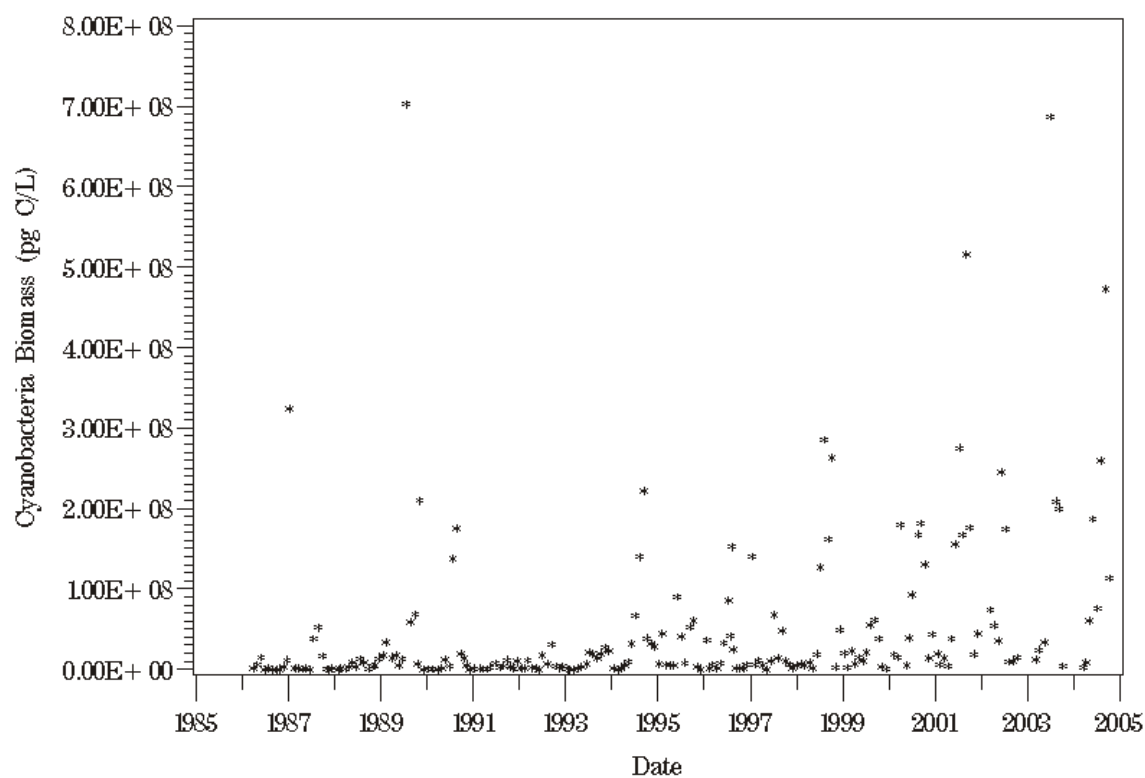


Figure F84. Plot of above pycnocline cyanobacteria biomass against time at station TF3.3 for the period of 1985 through 2004.

AP – TF3.3

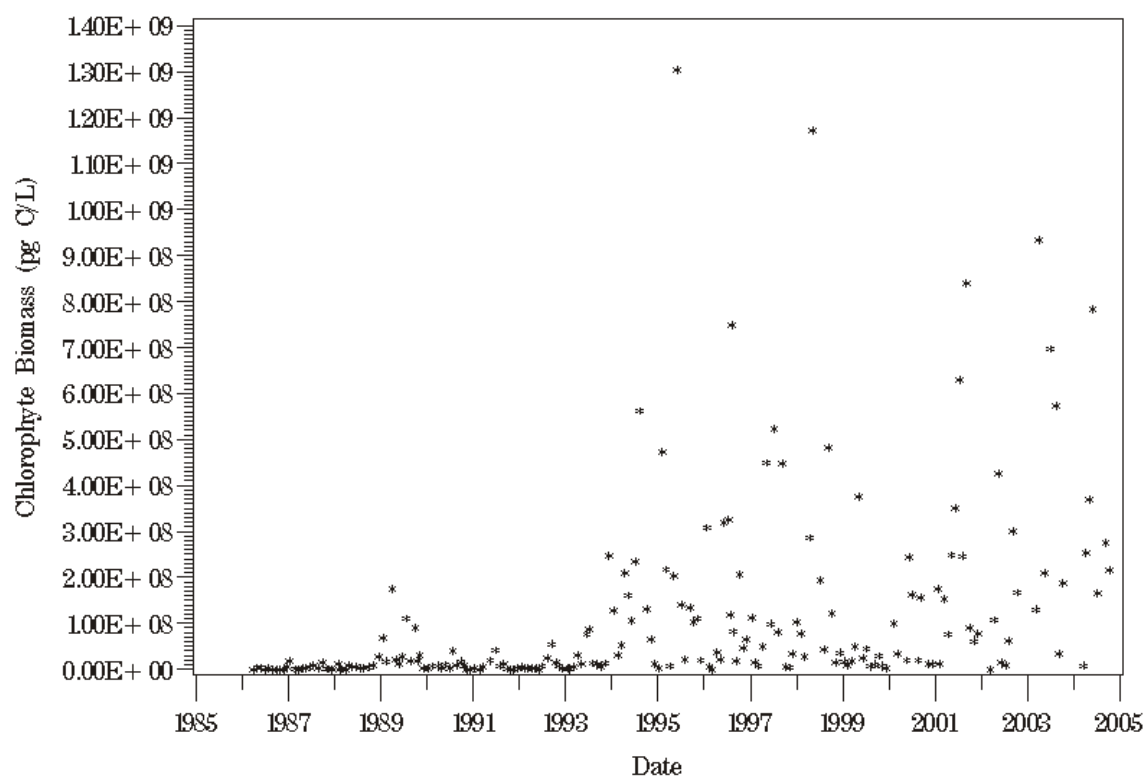


Figure F85. Plot of above pycnocline chlorophyte biomass against time at station TF3.3 for the period of 1985 through 2004.

AP – TF3.3

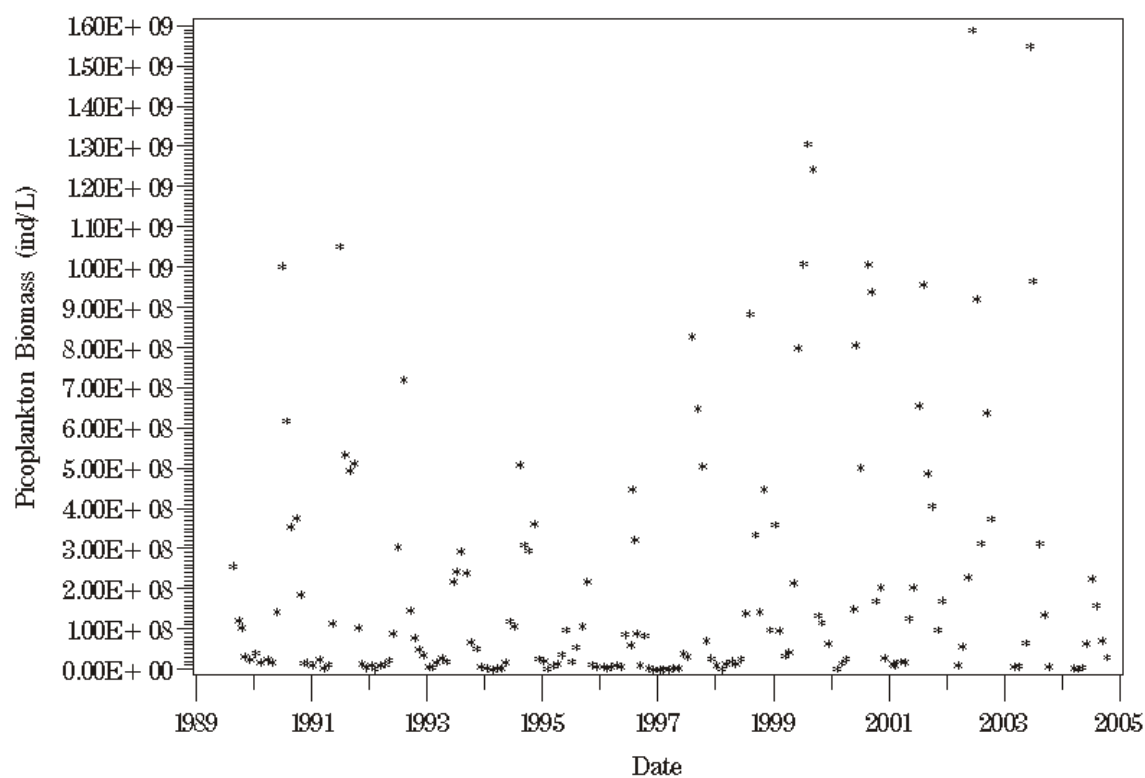


Figure F86. Plot of above pycnocline picoplankton biomass against time at station TF3.3 for the period of 1985 through 2004.

AP – TF3.3

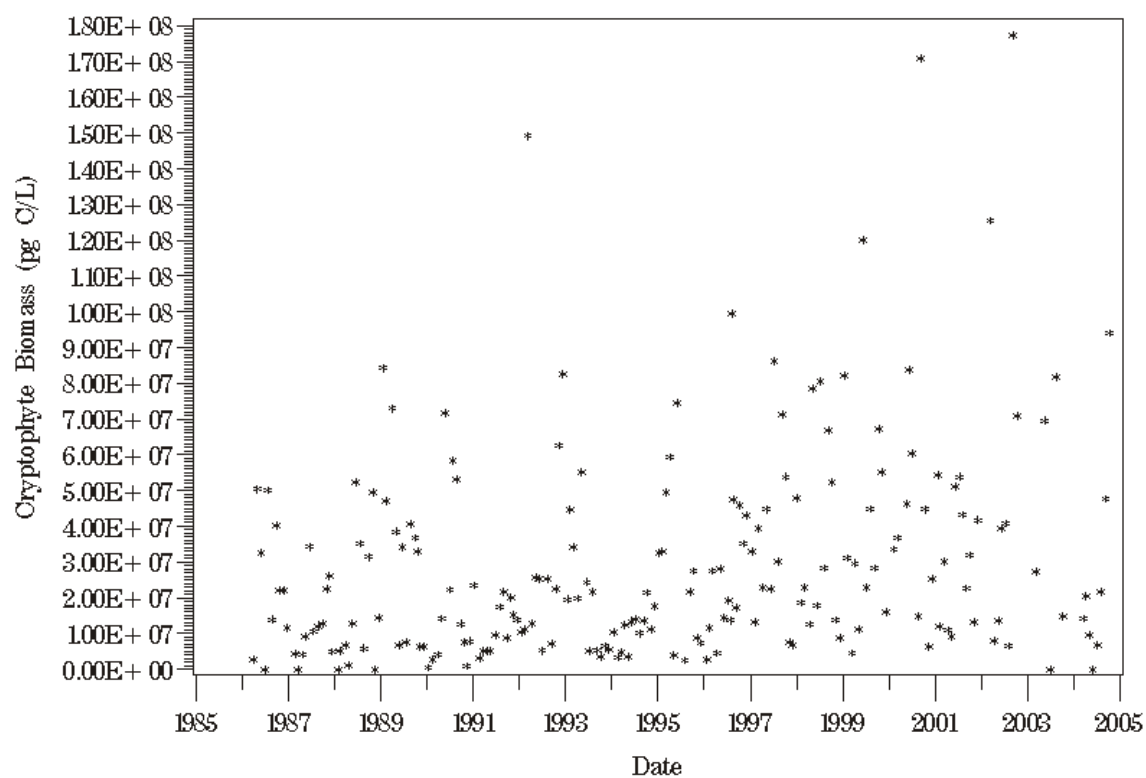


Figure F87. Plot of above pycnocline cryptophyte biomass against time at station TF3.3 for the period of 1985 through 2004.

AP – TF3.3

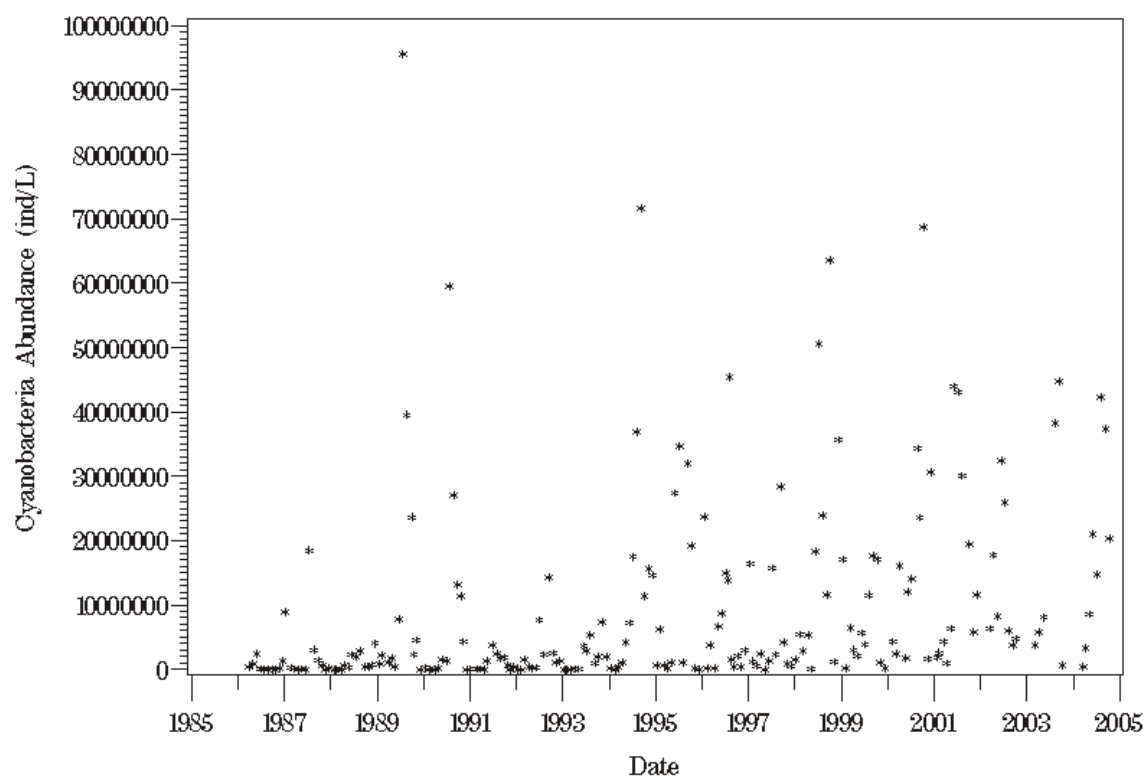


Figure F88. Plot of above pycnocline cyanophyte abundance at station TF3.3 for the period of 1985 through 2004.

AP – RET3.1

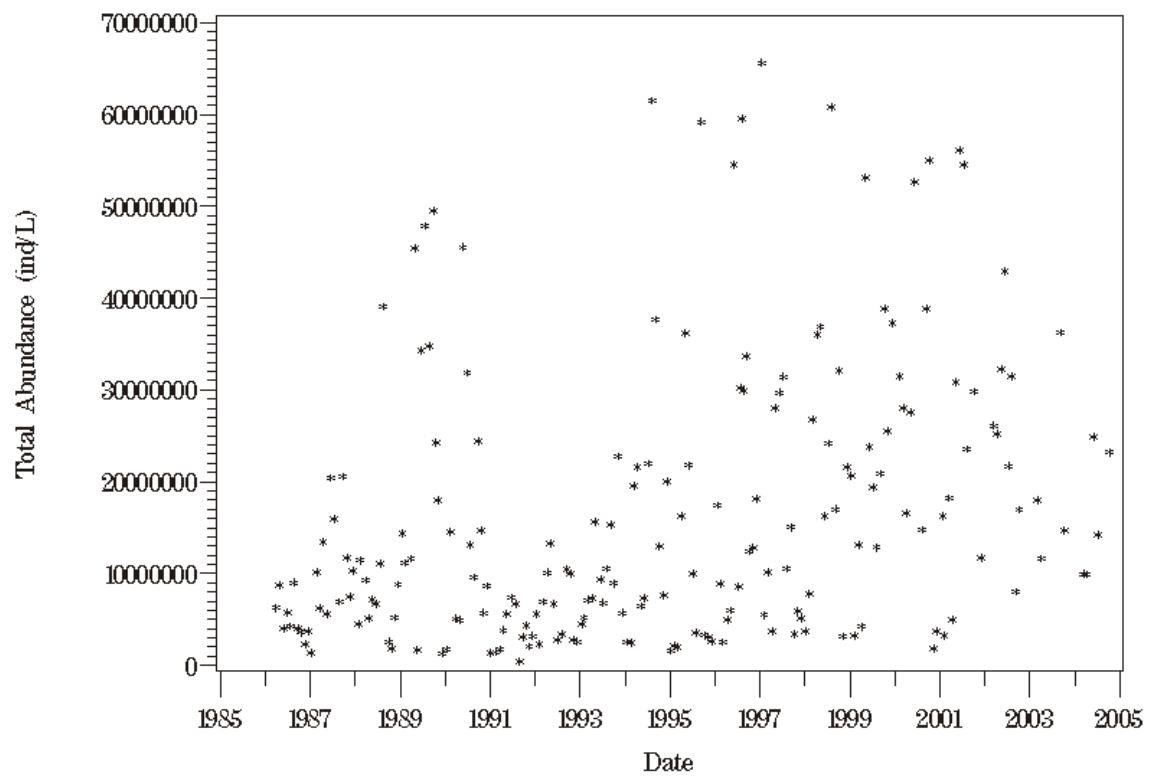


Figure F89. Plot of above pycnocline total phytoplankton abundance against time at station RET3.1 for the period of 1985 through 2004.

AP – RET3.1

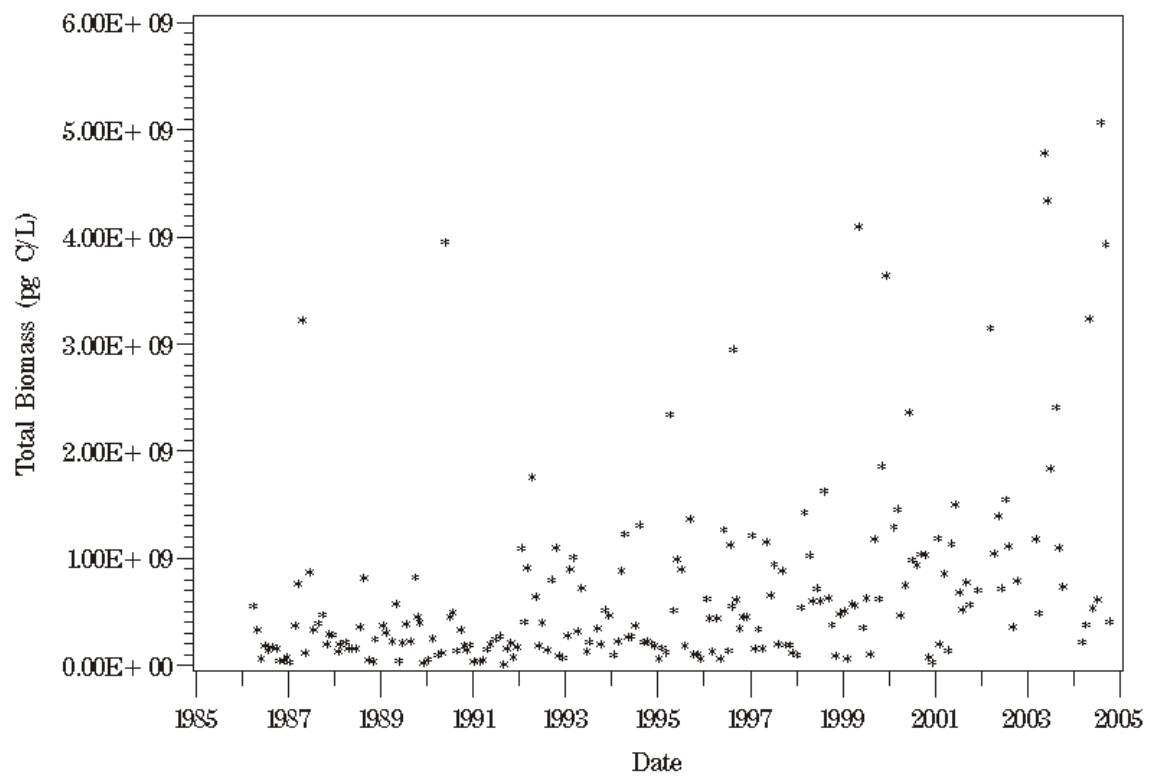


Figure F90. Plot of above pycnocline total phytoplankton biomass against time at station RET3.1 for the period of 1985 through 2004.

AP — RET3.1

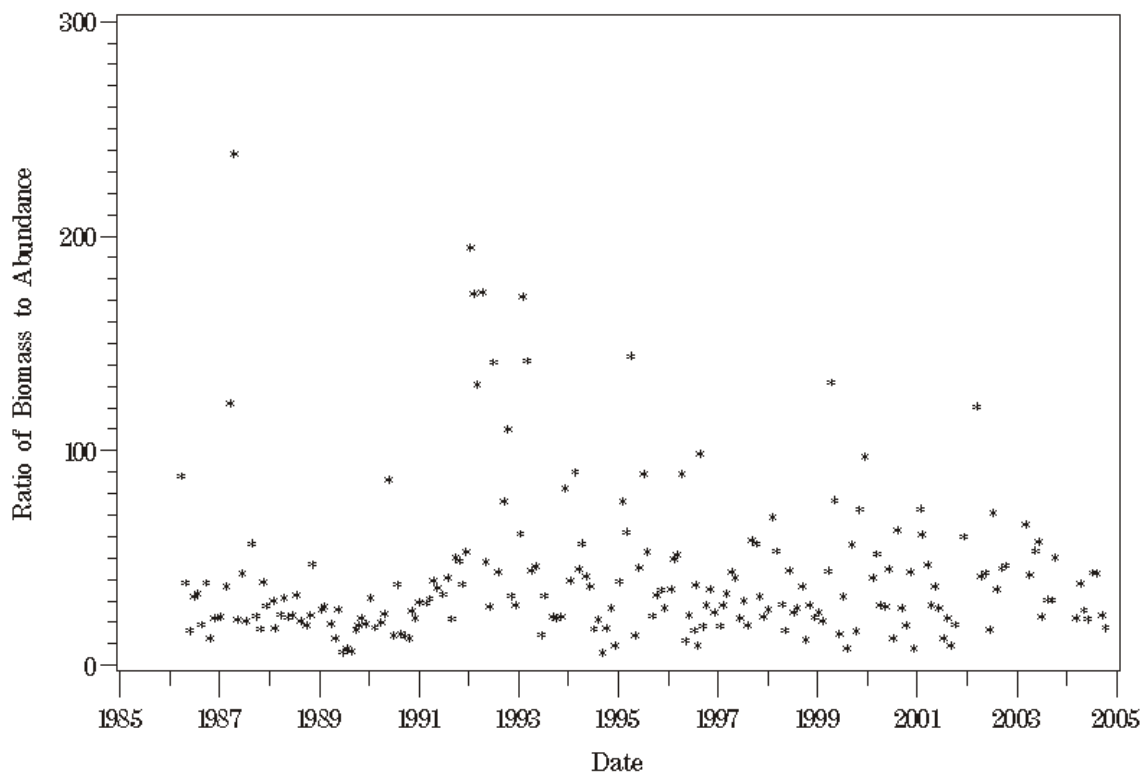


Figure F91. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station RET3.1 for the period of 1985 through 2004.

AP – RET3.1

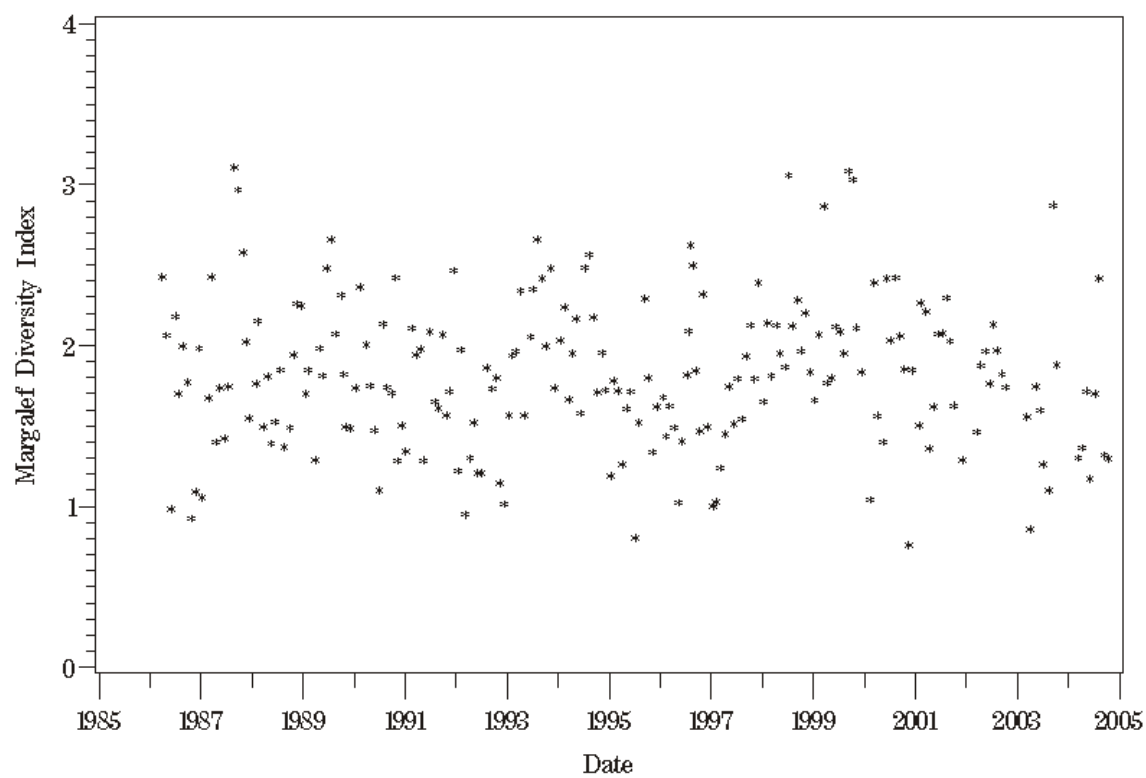


Figure F92. Plot of above pycnocline Margalef diversity index against time at station RET3.1 for the period of 1985 through 2004.

AP – RET3.1

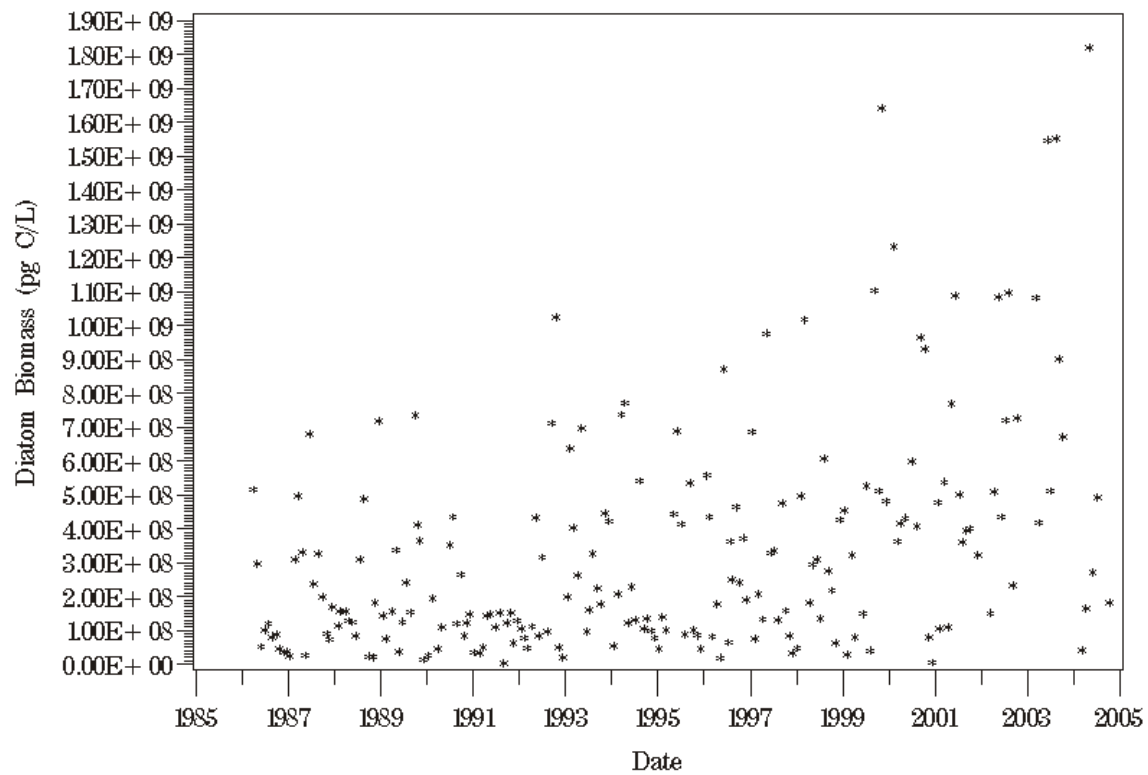


Figure F93. Plot of above pycnocline diatom biomass against time at station RET3.1 for the period of 1985 through 2004.

AP — RET3.1

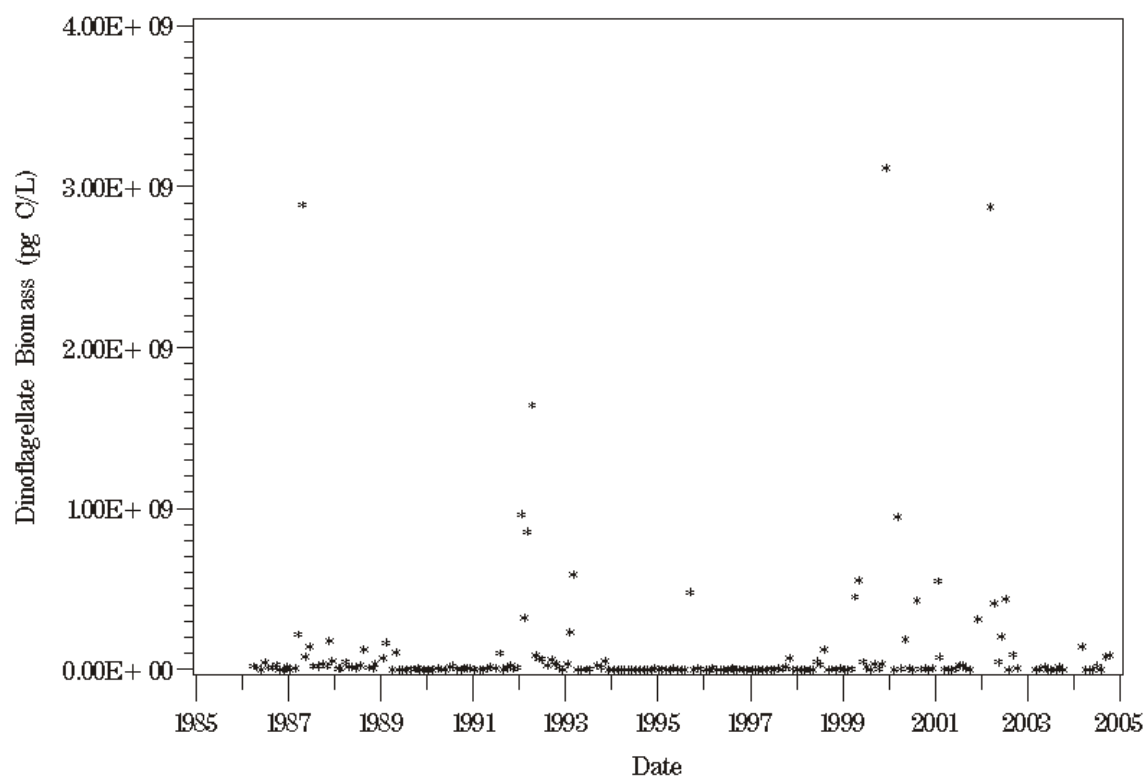


Figure F94. Plot of above pycnocline dinoflagellate biomass against time at station RET3.1 for the period of 1985 through 2004.

AP – RET3.1

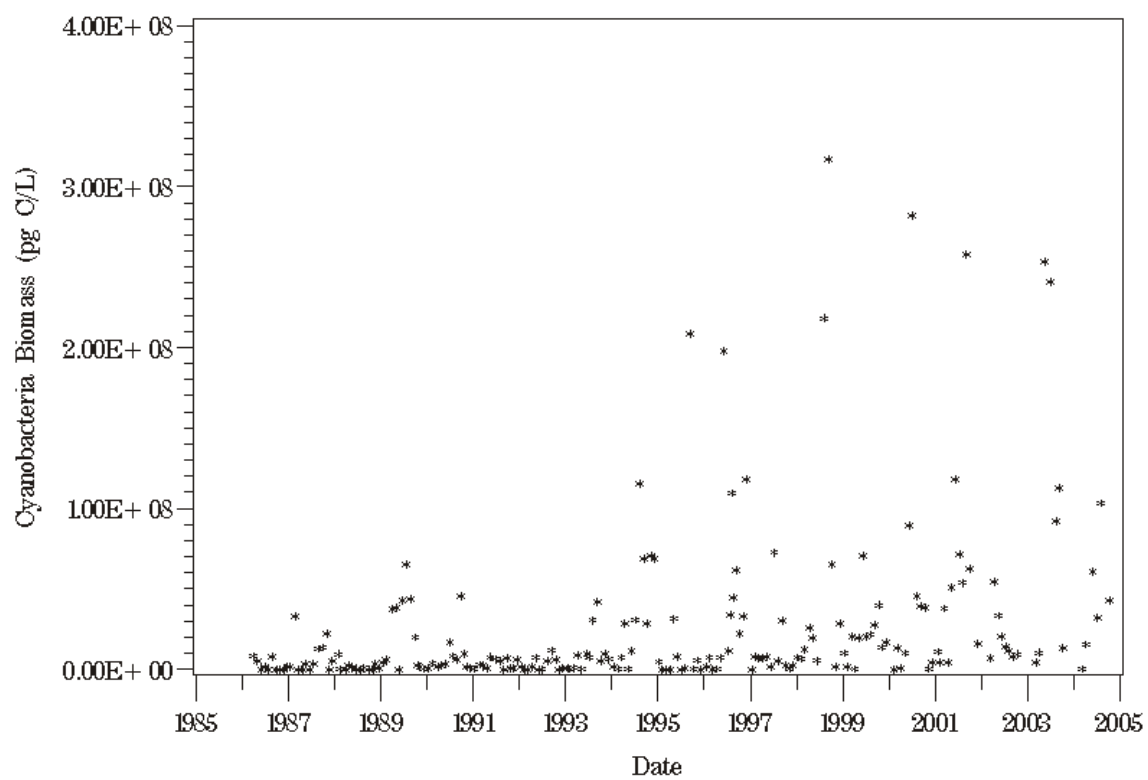


Figure F95. Plot of above pycnocline cyanobacteria biomass against time at station RET3.1 for the period of 1985 through 2004.

AP – RET3.1

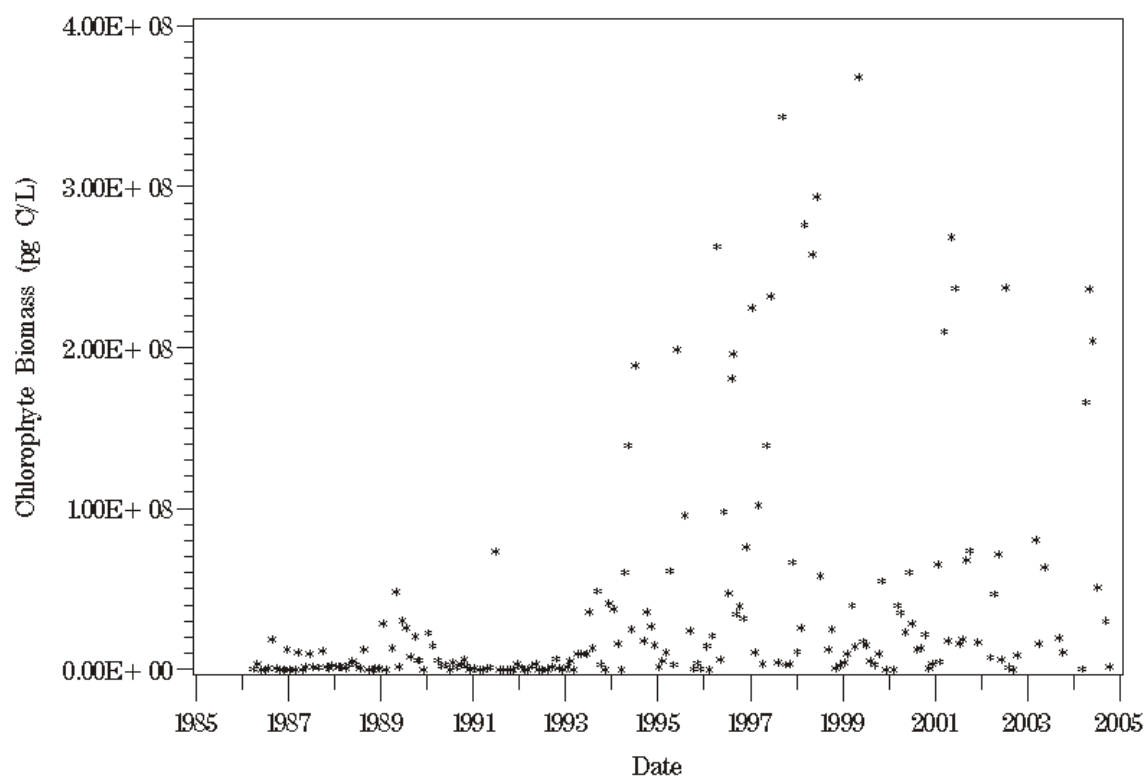


Figure F96. Plot of above pycnocline chlorophyte biomass against time at station RET3.1 for the period of 1985 through 2004.

AP – RET3.1

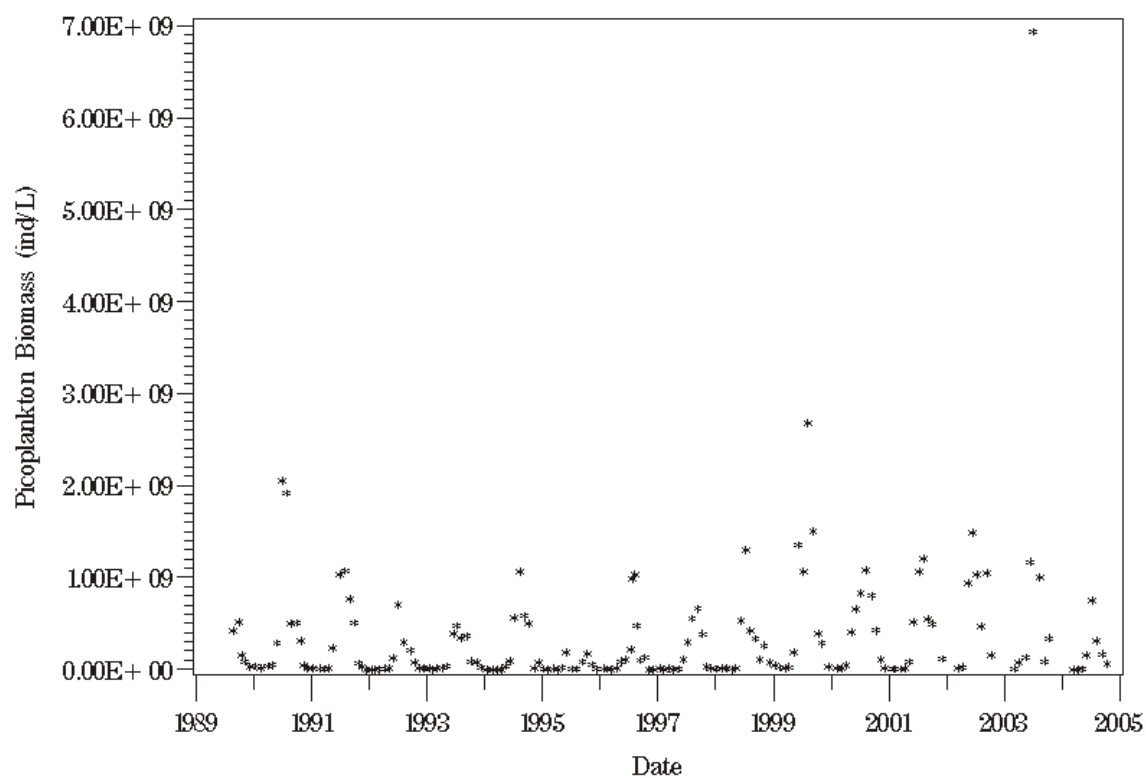


Figure F97. Plot of above pycnocline picoplankton biomass against time at station RET3.1 for the period of 1985 through 2004.

AP – RET3.1

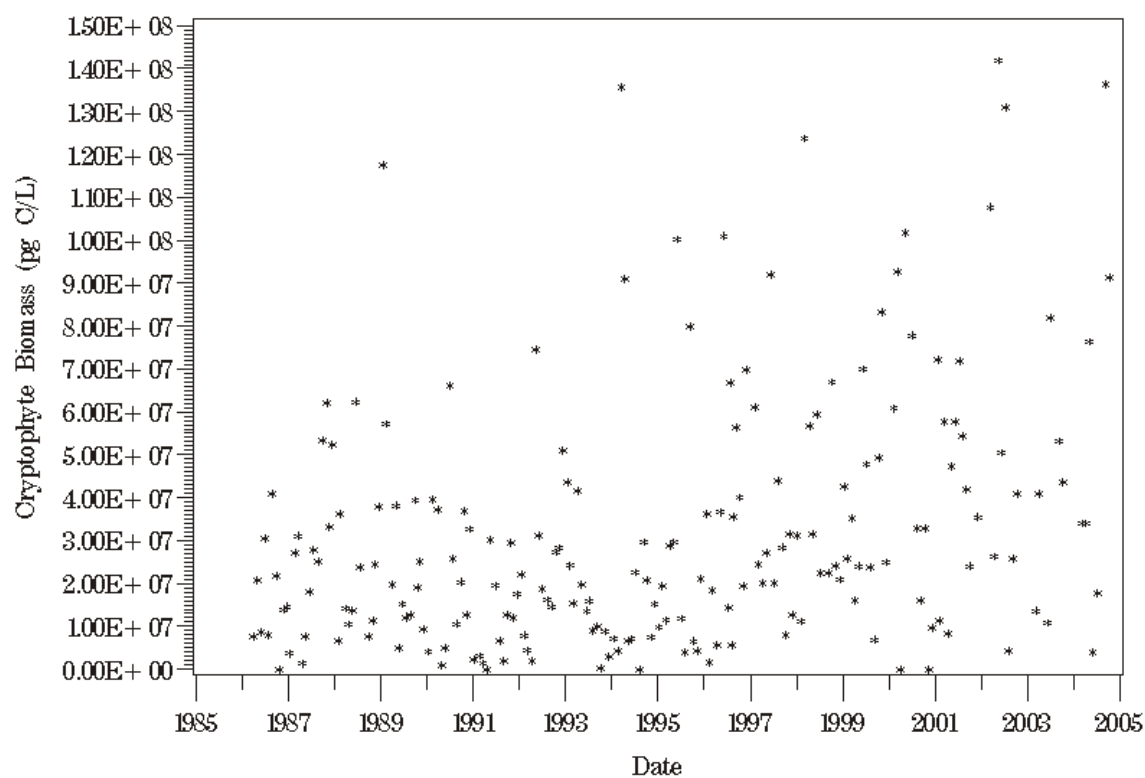


Figure F98. Plot of above pycnocline cryptophyte biomass at station RET3.1 for the period of 1985 through 2004.

AP – RET3.1

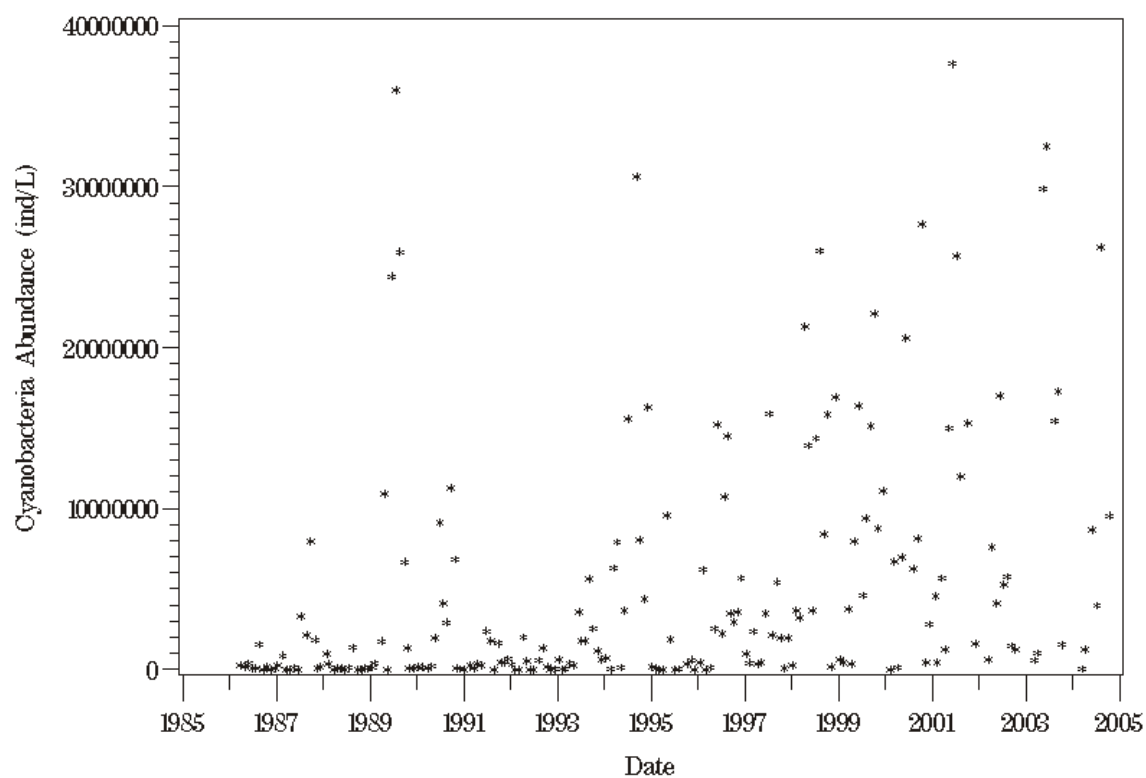


Figure F99. Plot of above pycnocline cyanophyte abundance at station RET3.1 for the period of 1985 through 2004.

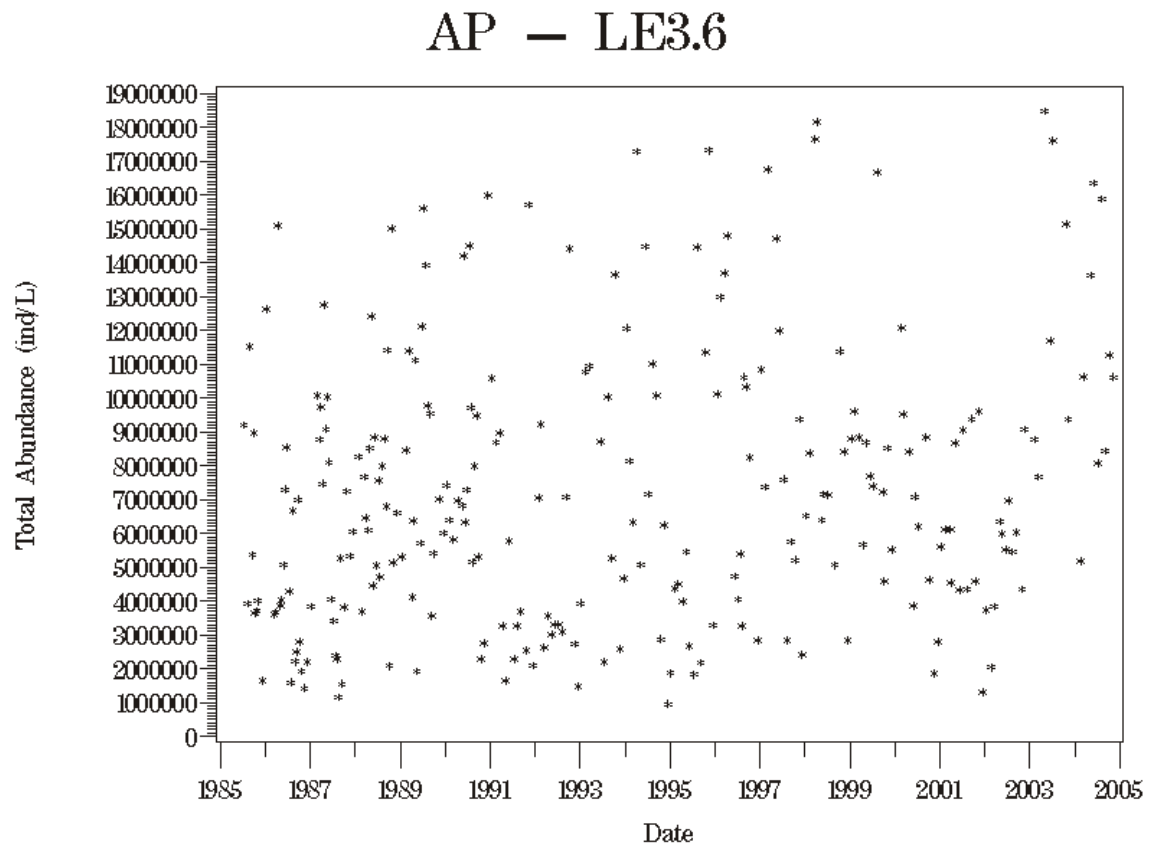


Figure F100. Plot of above pycnocline total phytoplankton abundance against time at station LE3.6 for the period of 1985 through 2004.

AP — LE3.6

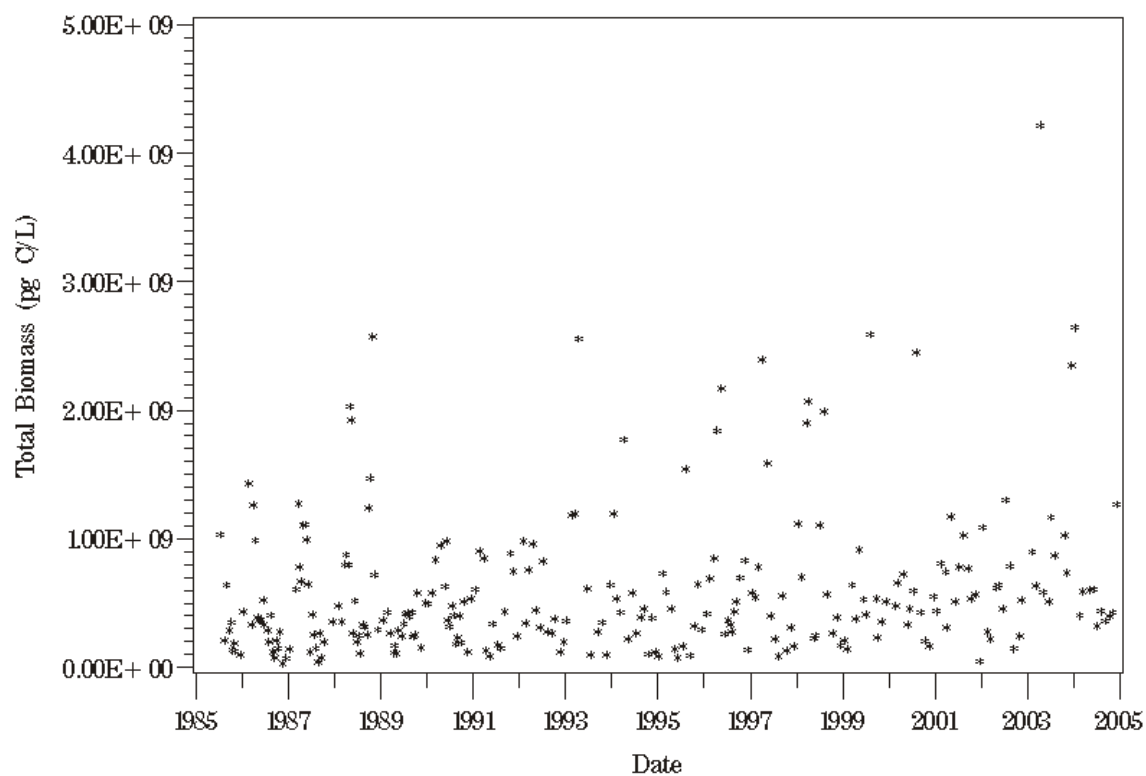


Figure F101. Plot of above pycnocline total phytoplankton biomass against time at station LE3.6 for the period of 1985 through 2004.

AP — LE3.6

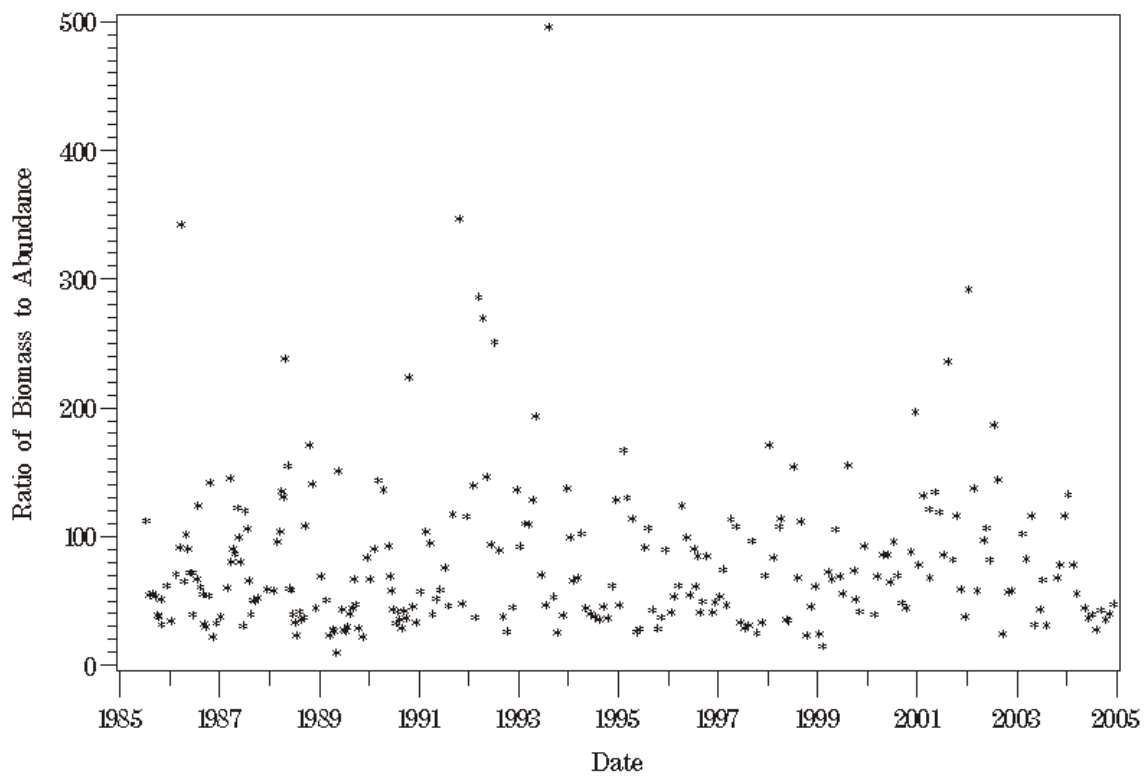


Figure F102. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station LE3.6 for the period of 1985 through 2004.

AP — LE3.6

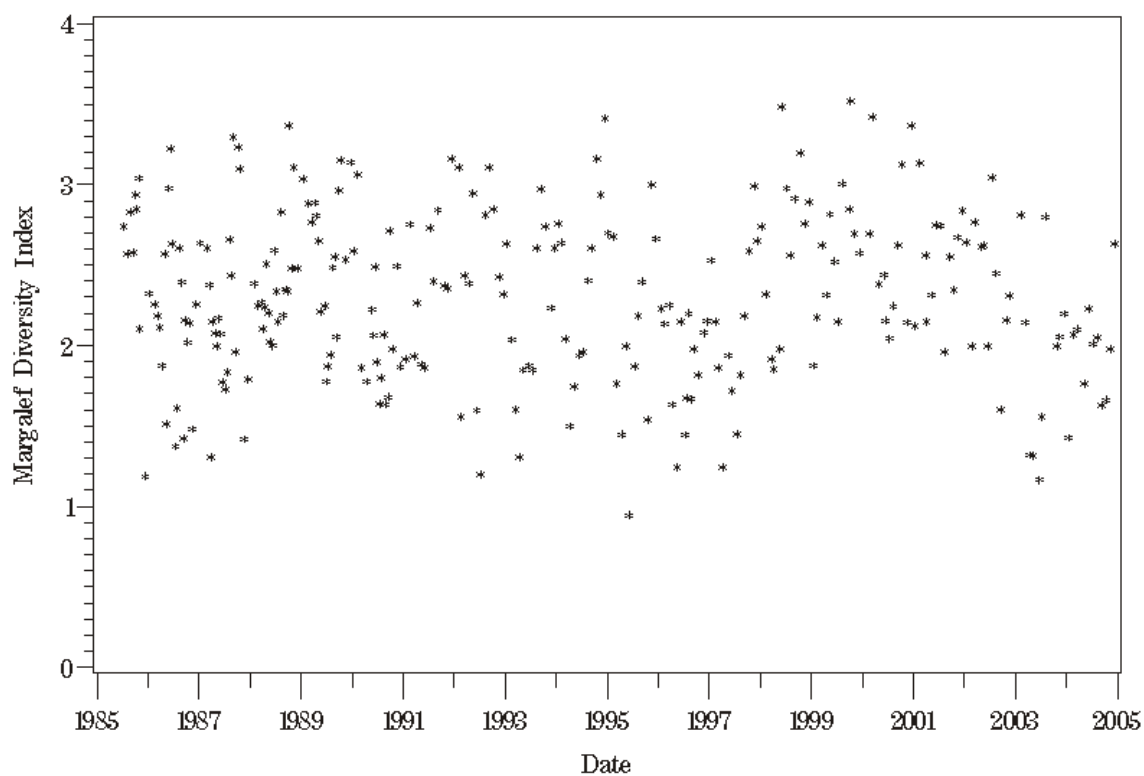


Figure F103. Plot of above pycnocline Margalef diversity index against time at station LE3.6 for the period of 1985 through 2004.

AP – LE3.6

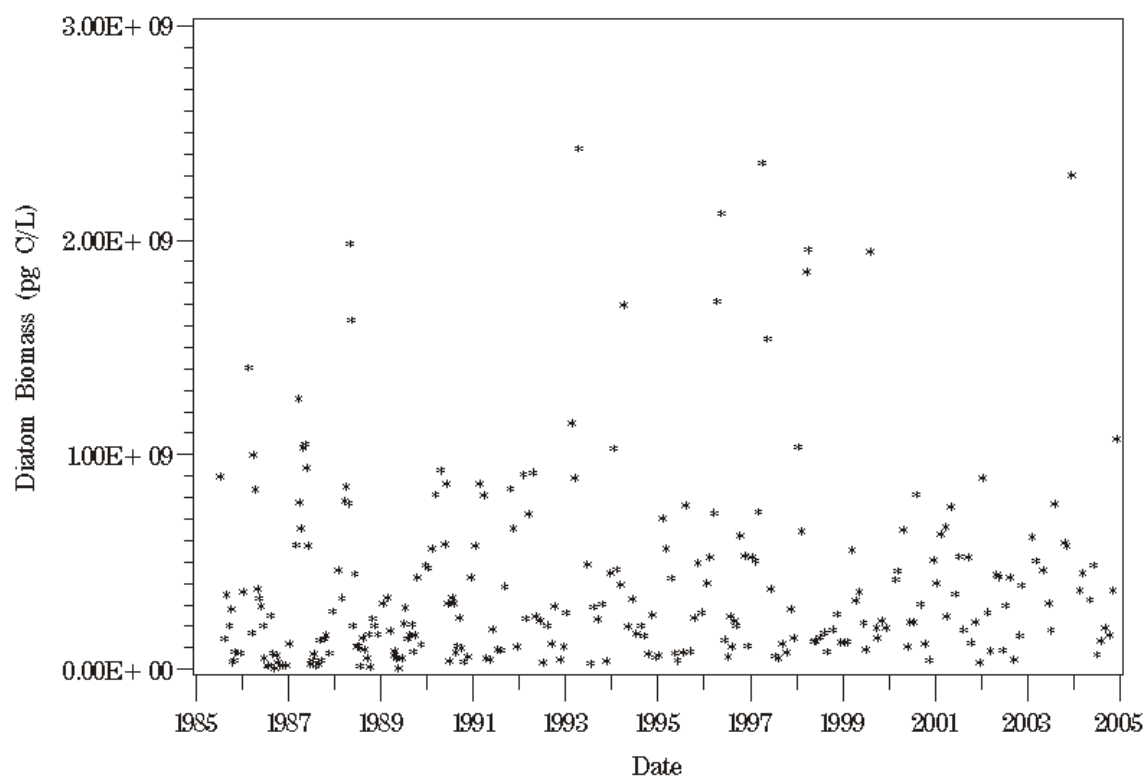


Figure F104. Plot of above pycnocline diatom biomass against time at station LE3.6 for the period of 1985 through 2004.

AP — LE3.6

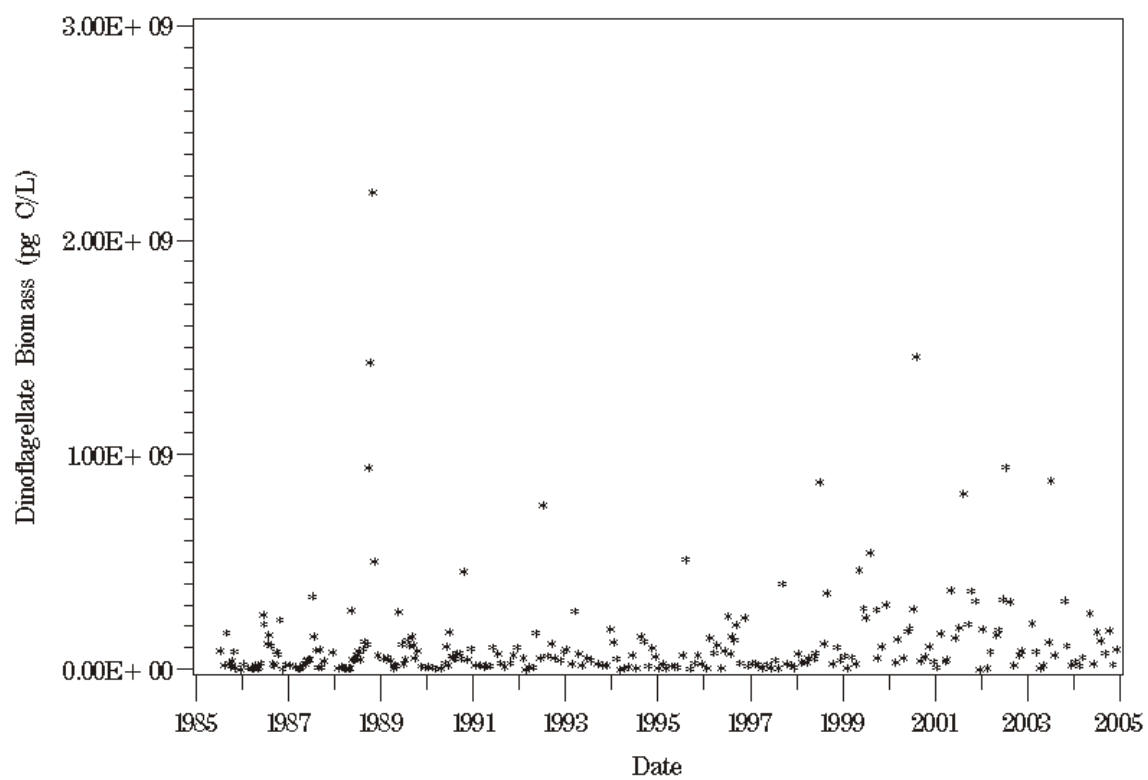


Figure F105. Plot of above pycnocline dinoflagellate biomass against time at station LE3.6 for the period of 1985 through 2004.

AP — LE3.6

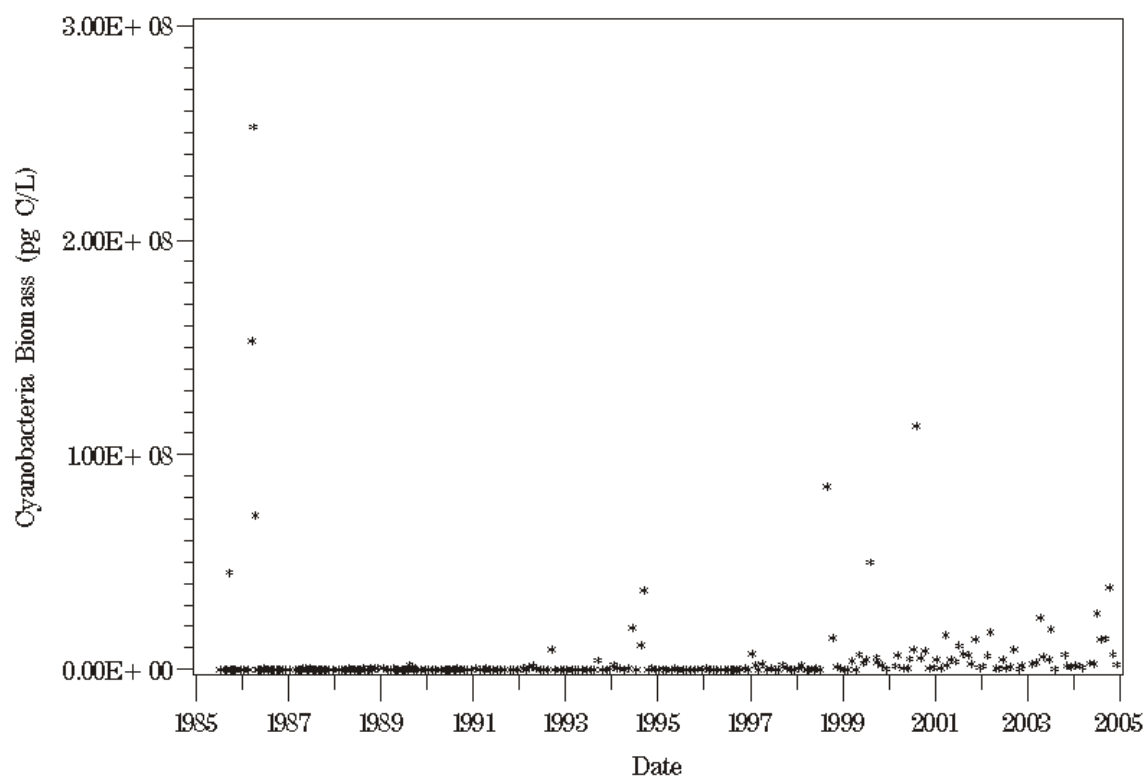


Figure F106. Plot of above pycnocline cyanobacteria biomass against time at station LE3.6 for the period of 1985 through 2004.

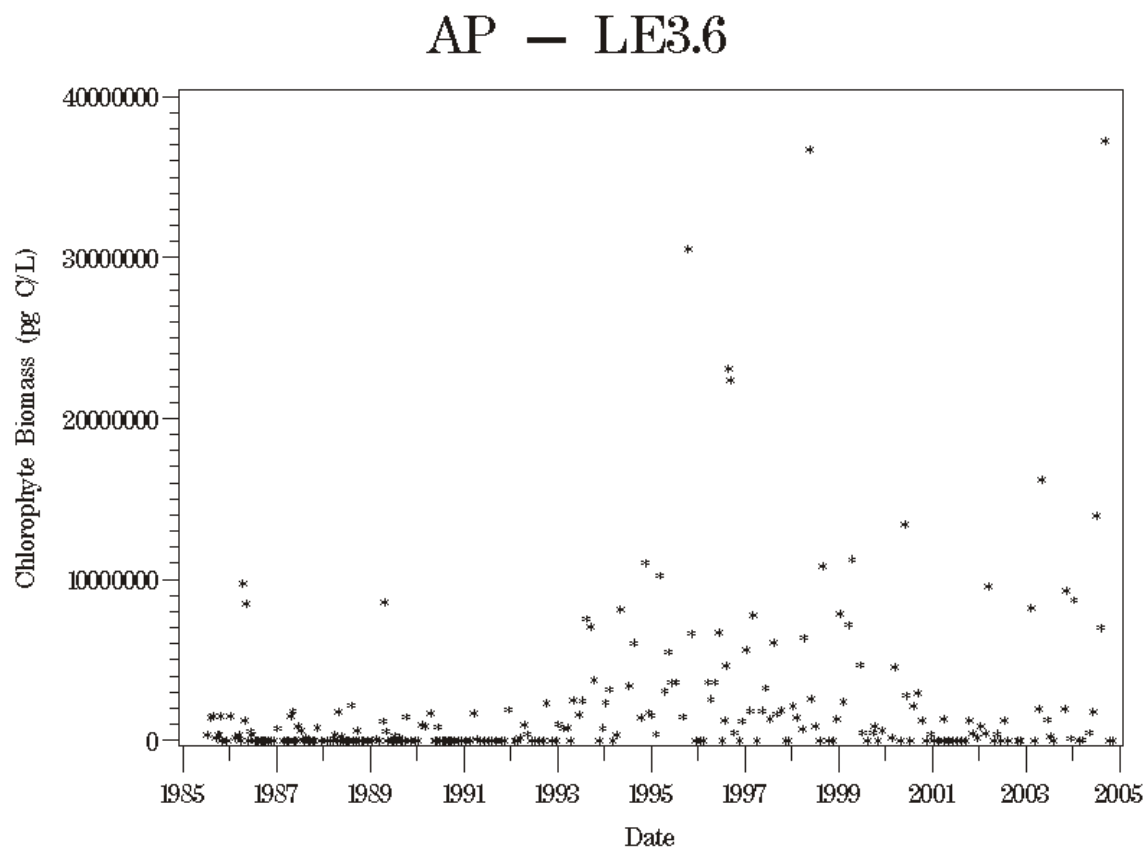


Figure F107. Plot of above pycnocline chlorophyte biomass against time at station LE3.6 for the period of 1985 through 2004.

AP — LE3.6

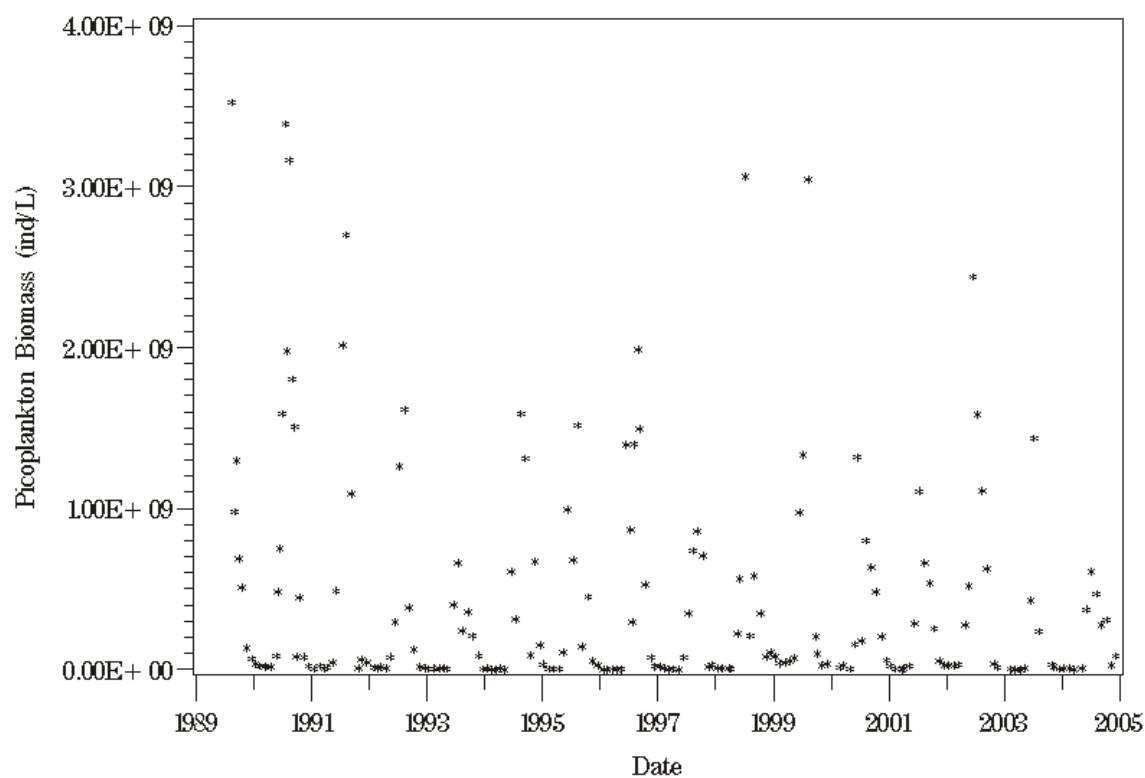


Figure F108. Plot of above pycnocline picoplankton biomass against time at station LE3.6 for the period of 1985 through 2004.

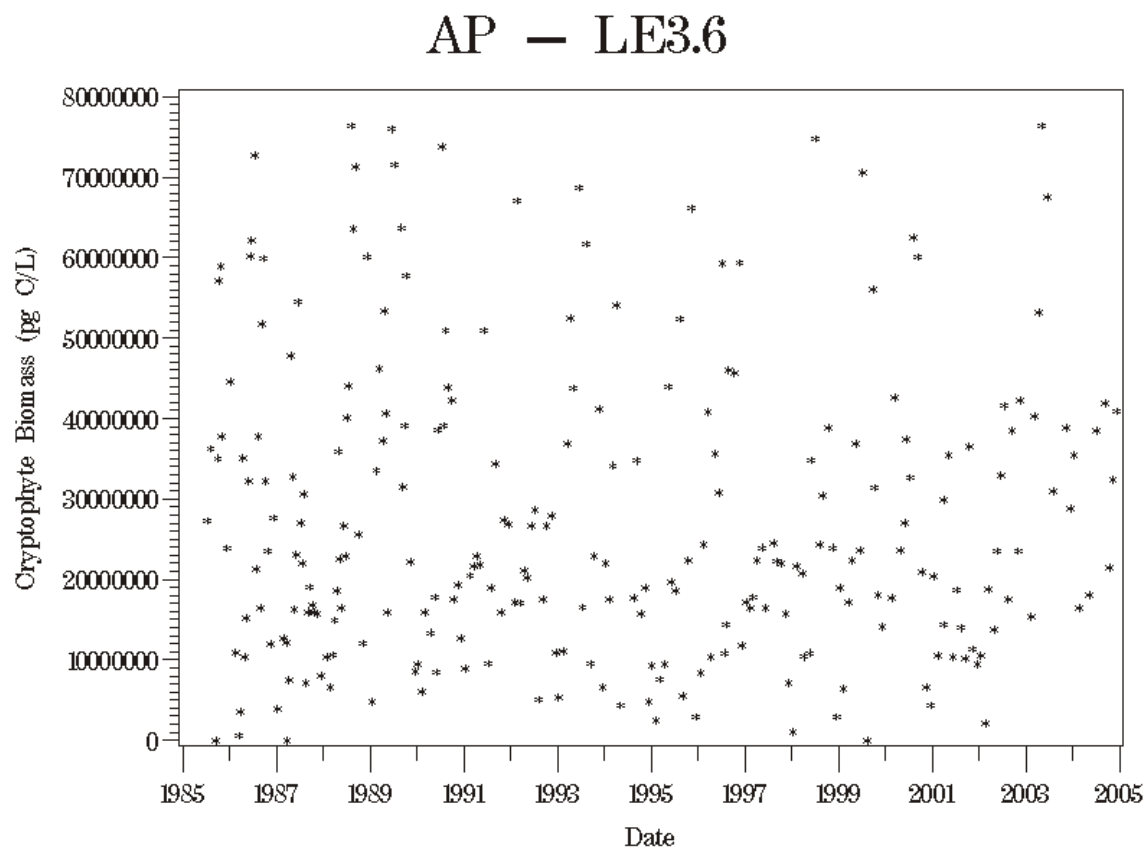


Figure F109. Plot of above pycnocline cryptophyte biomass at station LE3.6 for the period of 1985 through 2004.

AP – LE3.6

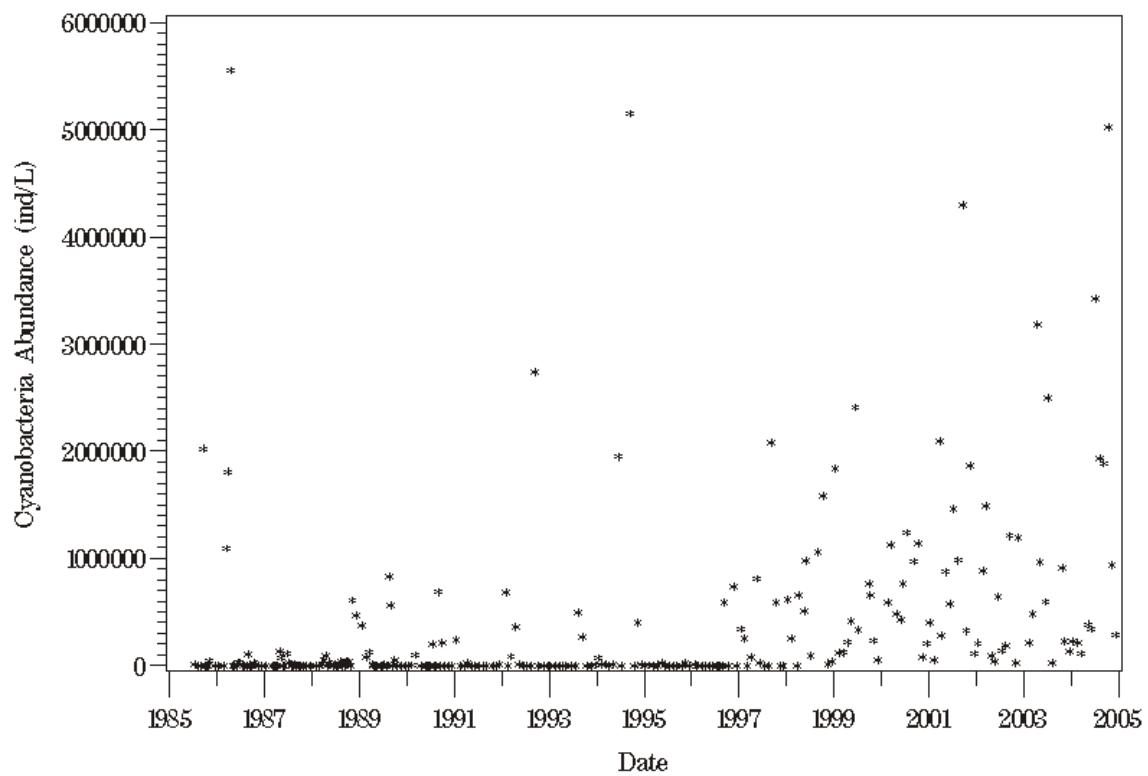


Figure F110. Plot of above pycnocline cyanophyte abundance at station LE3.6 for the period of 1985 through 2004.

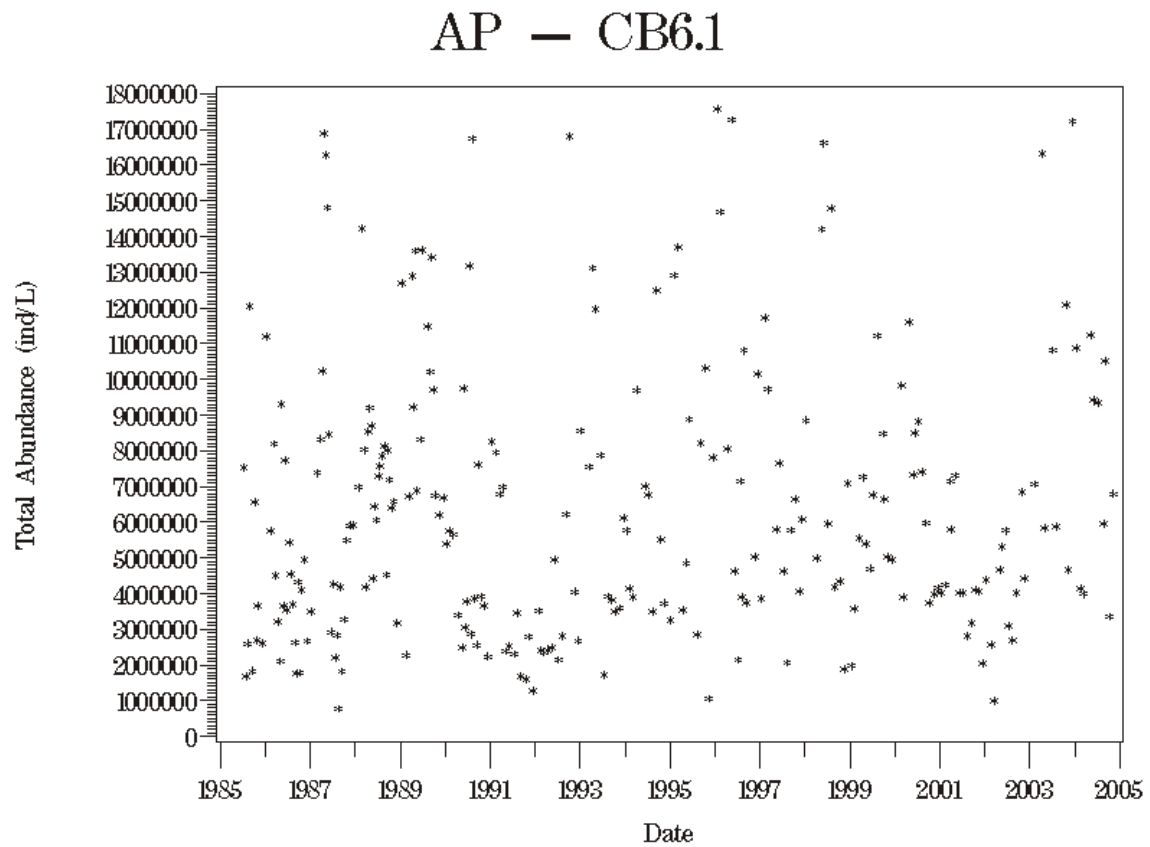


Figure F111. Plot of above pycnocline total phytoplankton abundance against time at station CB6.1 for the period of 1985 through 2004.

AP – CB6.1

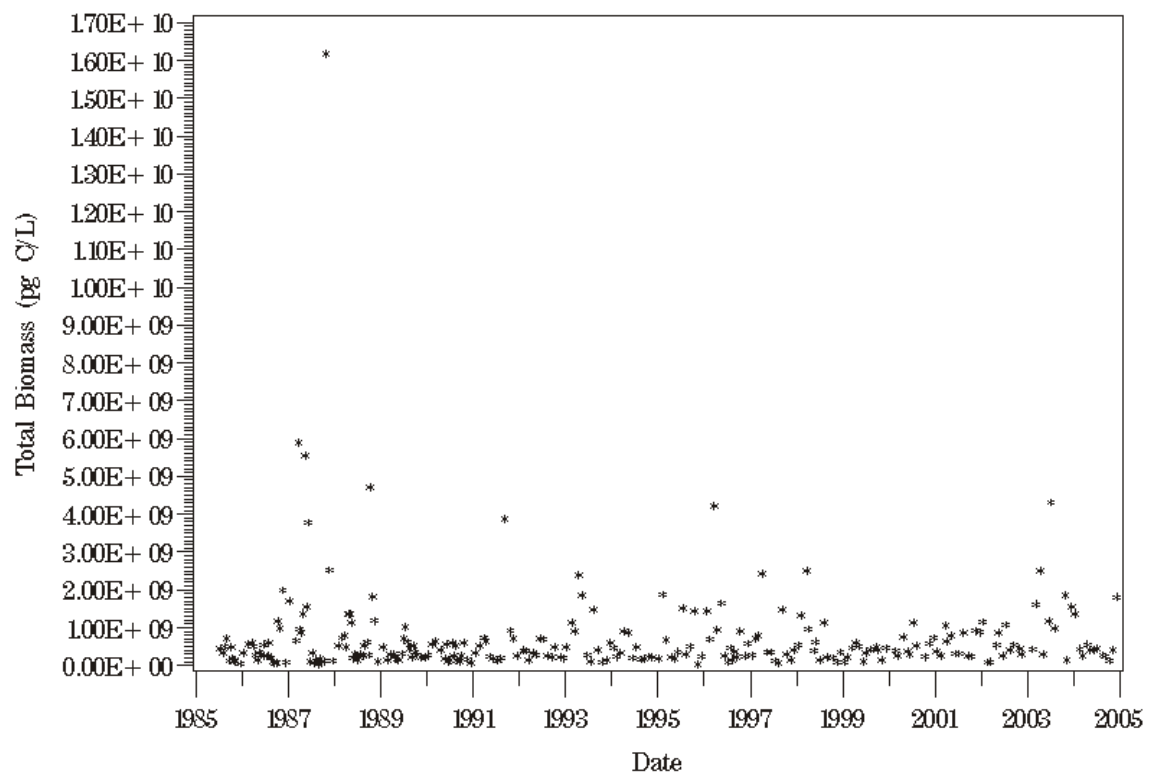


Figure F112. Plot of above pycnocline total phytoplankton biomass against time at station CB6.1 for the period of 1985 through 2004.

AP — CB6.1

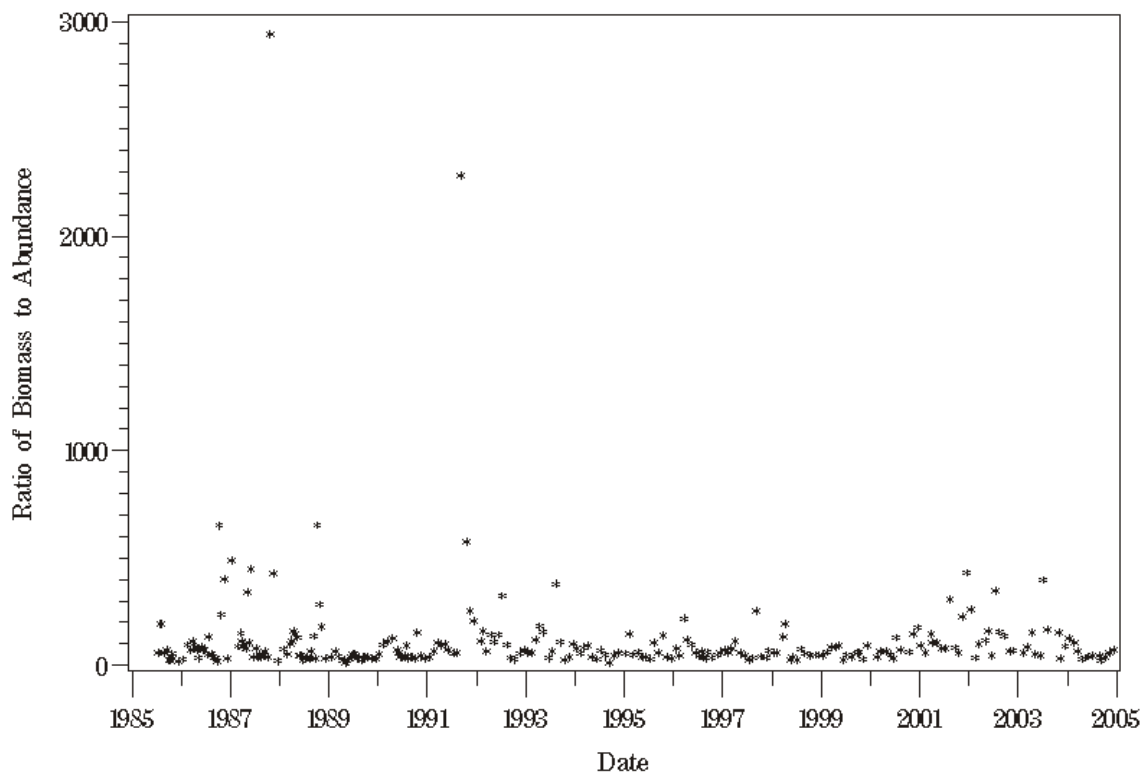


Figure F113. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB6.1 for the period of 1985 through 2004.

AP — CB6.1

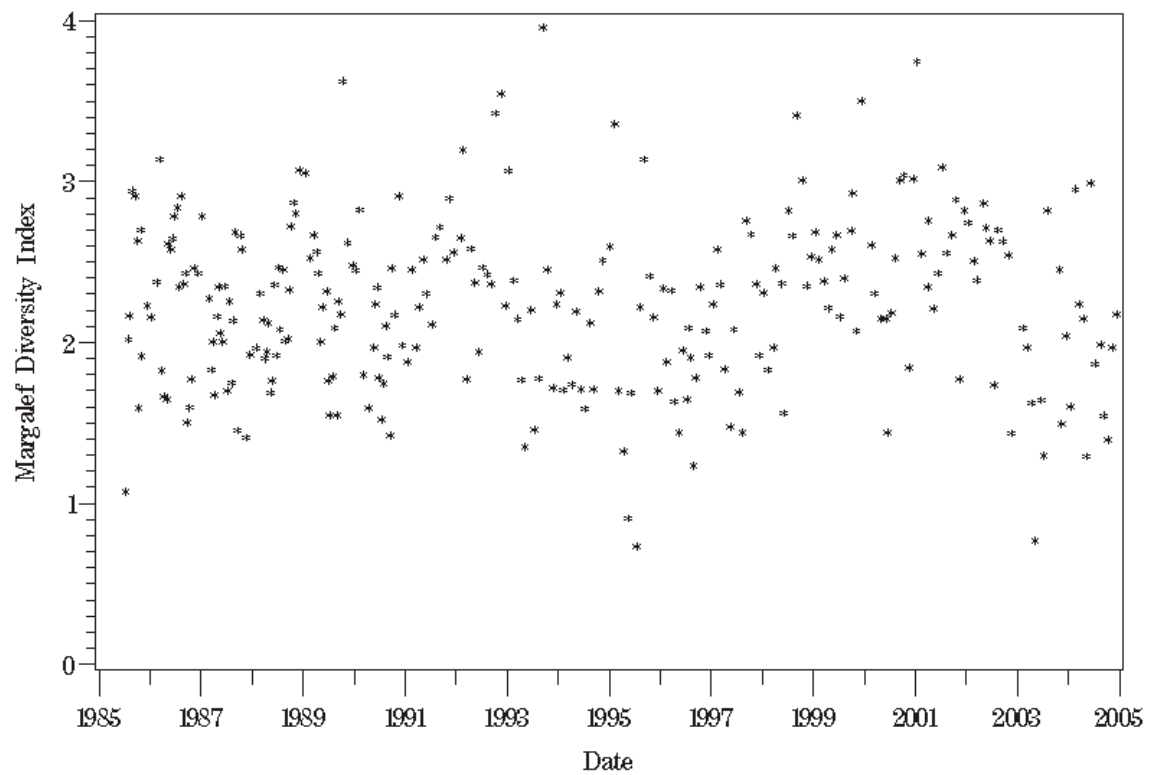


Figure F114. Plot of above pycnocline Margalef diversity index against time at station CB6.1 for the period of 1985 through 2004.

AP – CB6.1

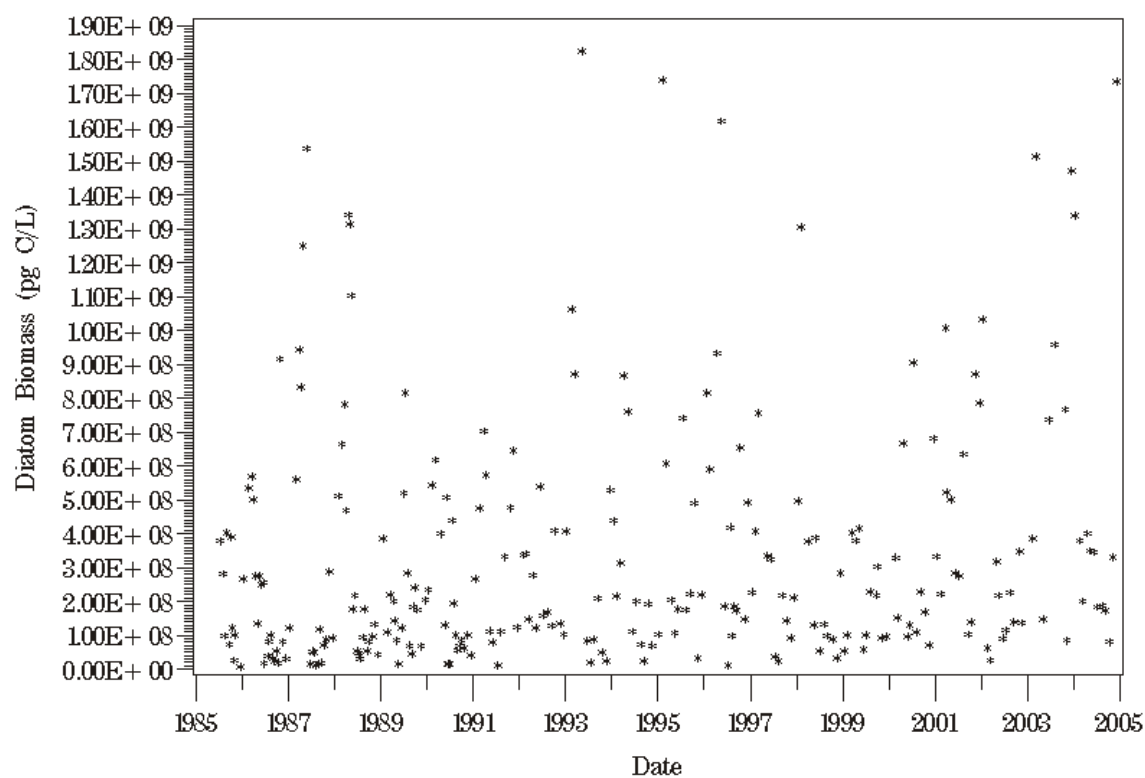


Figure F115. Plot of above pycnocline diatom biomass against time at station CB6.1 for the period of 1985 through 2004.

AP – CB6.1

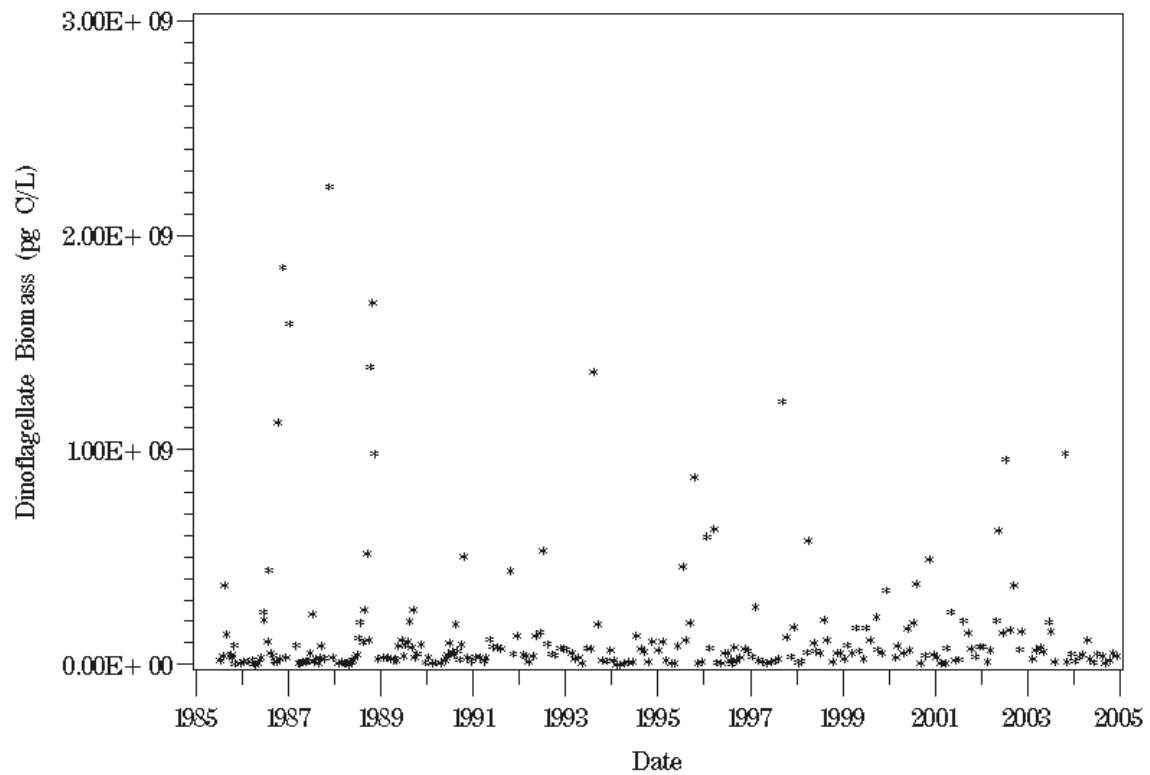


Figure F116. Plot of above pycnocline dinoflagellate biomass against time at station CB6.1 for the period of 1985 through 2004.

AP – CB6.1

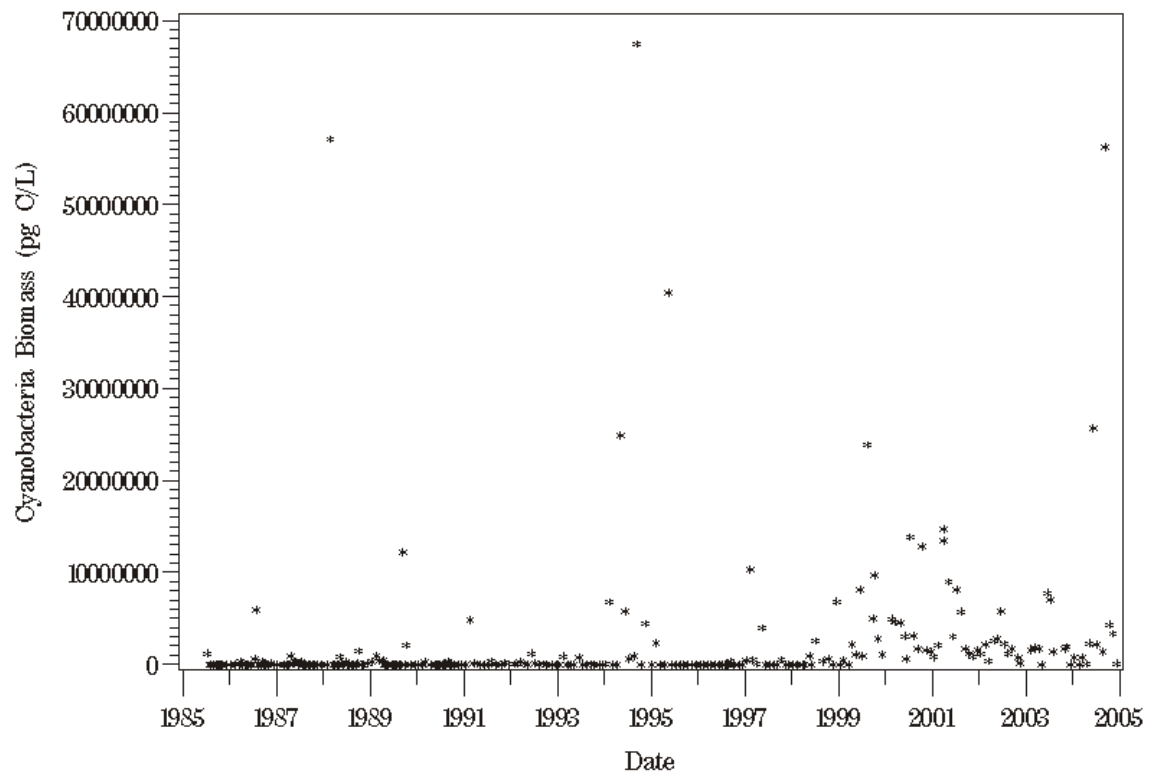


Figure F117. Plot of above pycnocline cyanobacteria biomass against time at station CB6.1 for the period of 1985 through 2004.

AP – CB6.1

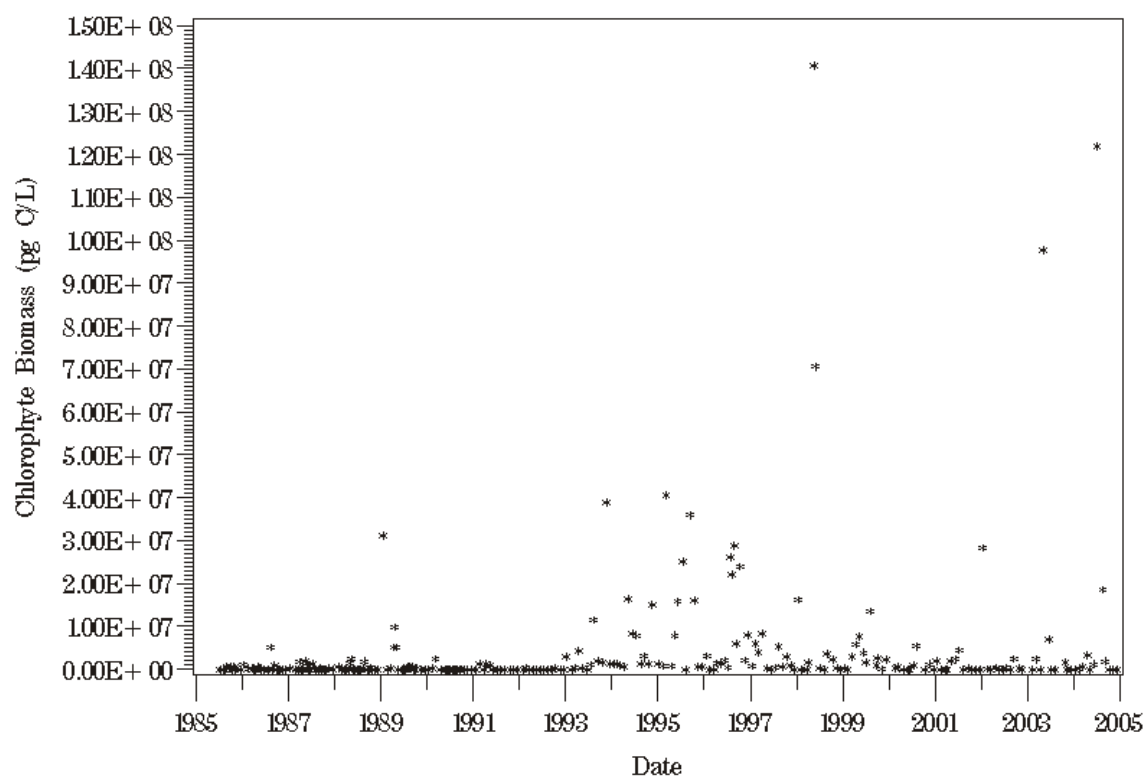


Figure F118. Plot of above pycnocline chlorophyte biomass against time at station CB6.1 for the period of 1985 through 2004.

AP – CB6.1

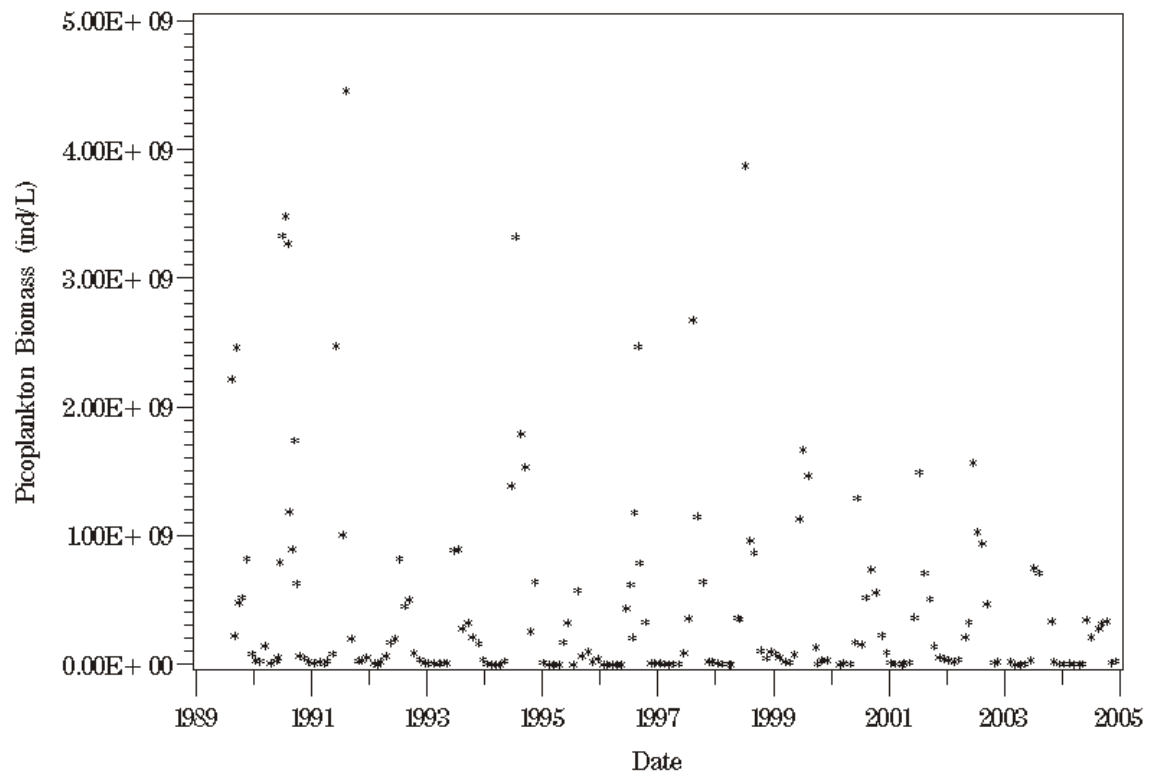


Figure F119. Plot of above pycnocline picoplankton biomass against time at station CB6.1 for the period of 1985 through 2004.

AP – CB6.1

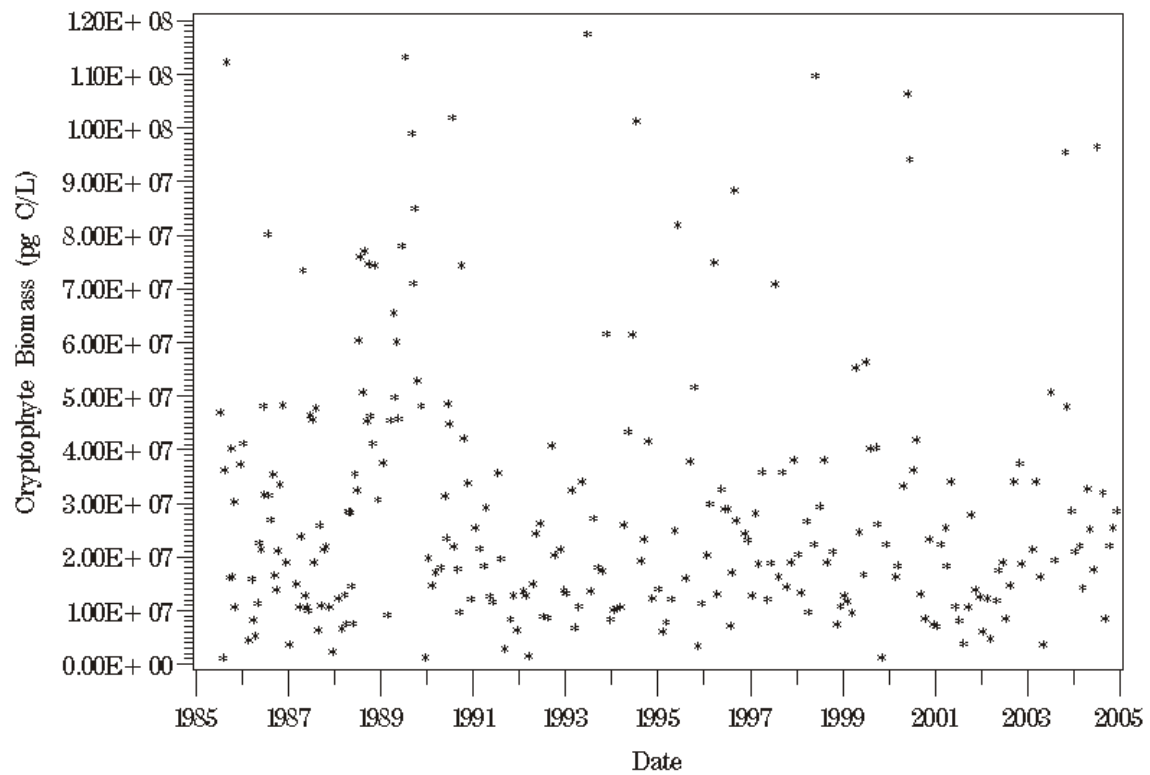


Figure F120. Plot of above pycnocline cryptophyte biomass at station CB6.1 for the period of 1985 through 2004.

AP – CB6.1

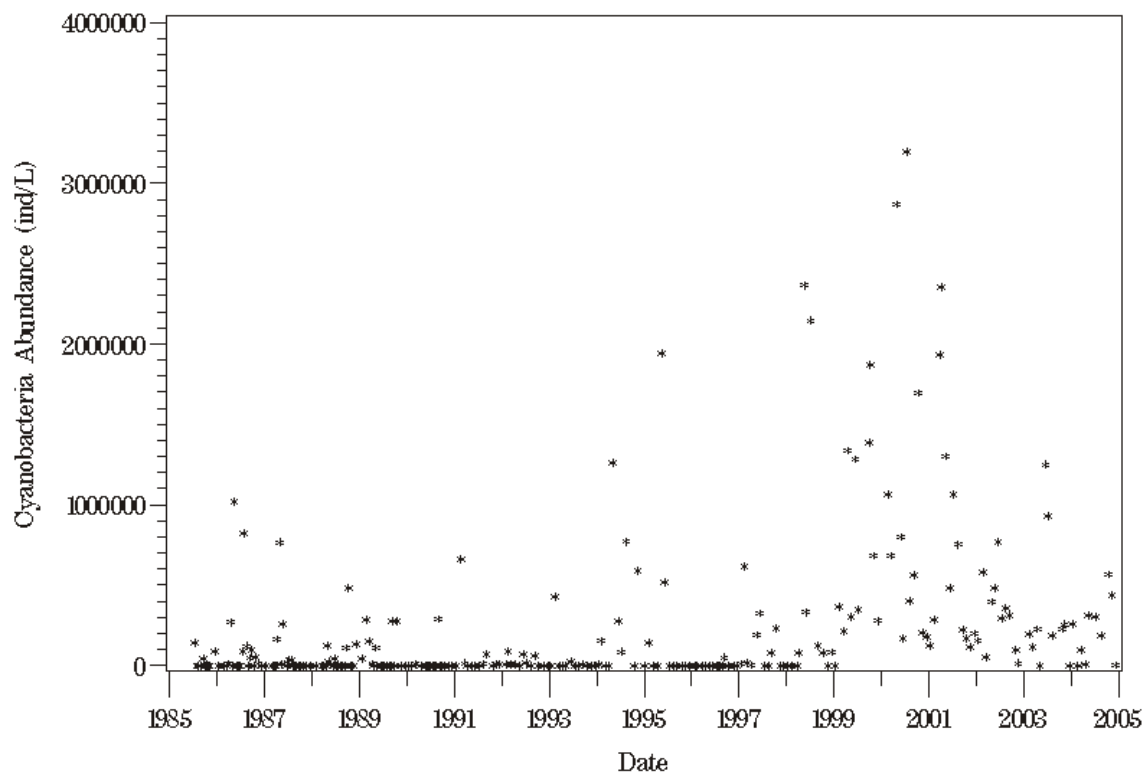


Figure F121. Plot of above pycnocline cyanophyte abundance at station CB6.1 for the period of 1985 through 2004.

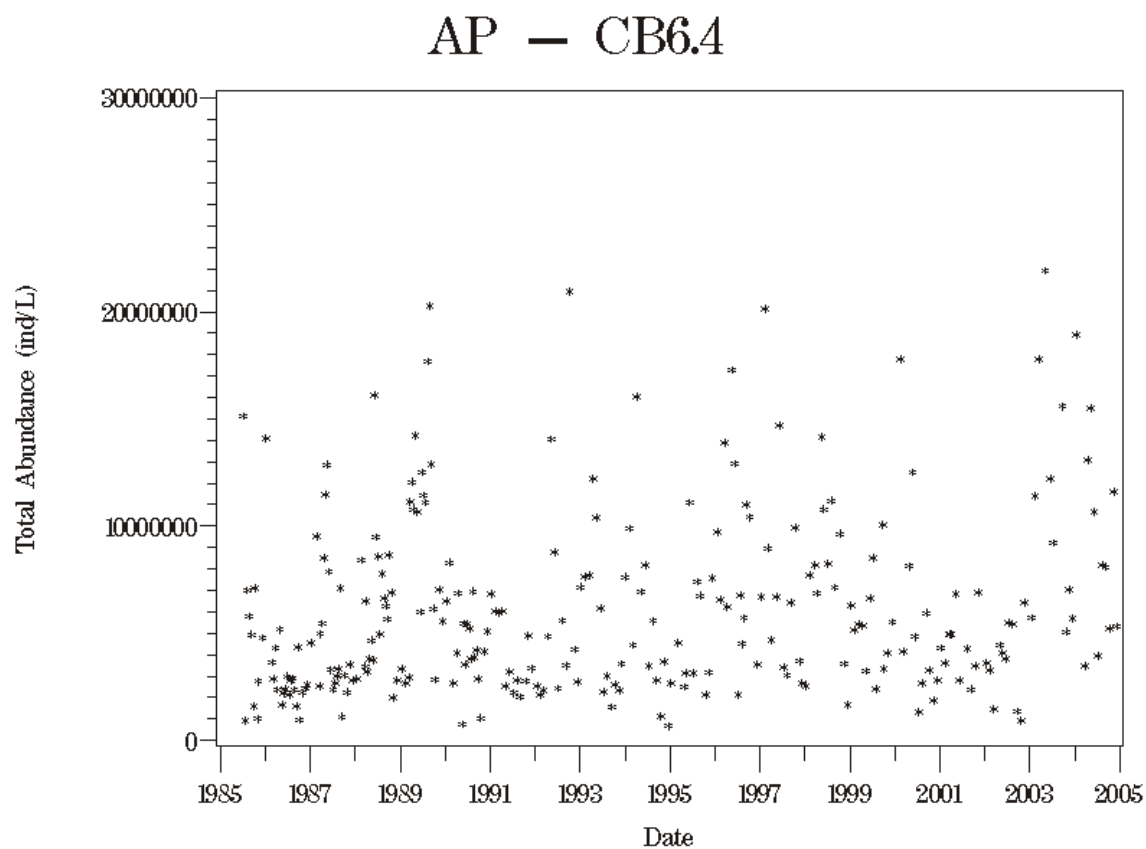


Figure F122. Plot of above pycnocline total phytoplankton abundance against time at station CB6.4 for the period of 1985 through 2004.

AP — CB6.4

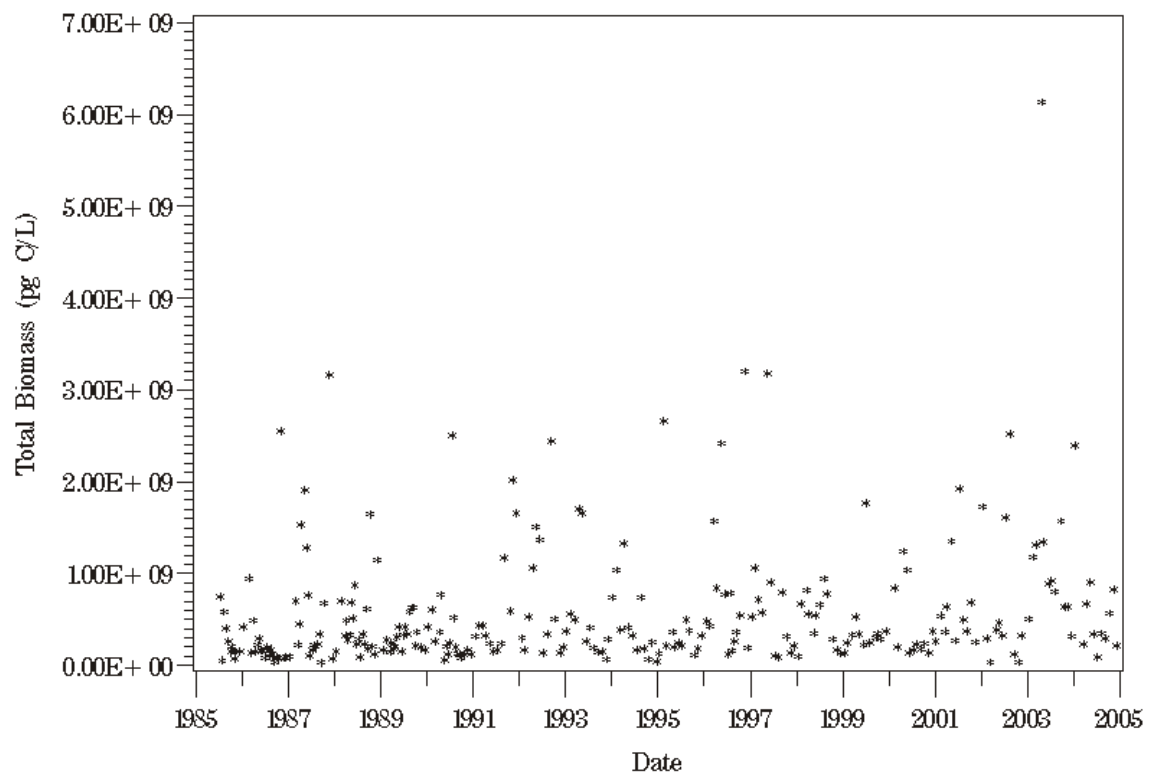


Figure F123. Plot of above pycnocline total phytoplankton biomass against time at station CB6.4 for the period of 1985 through 2004.

AP — CB6.4

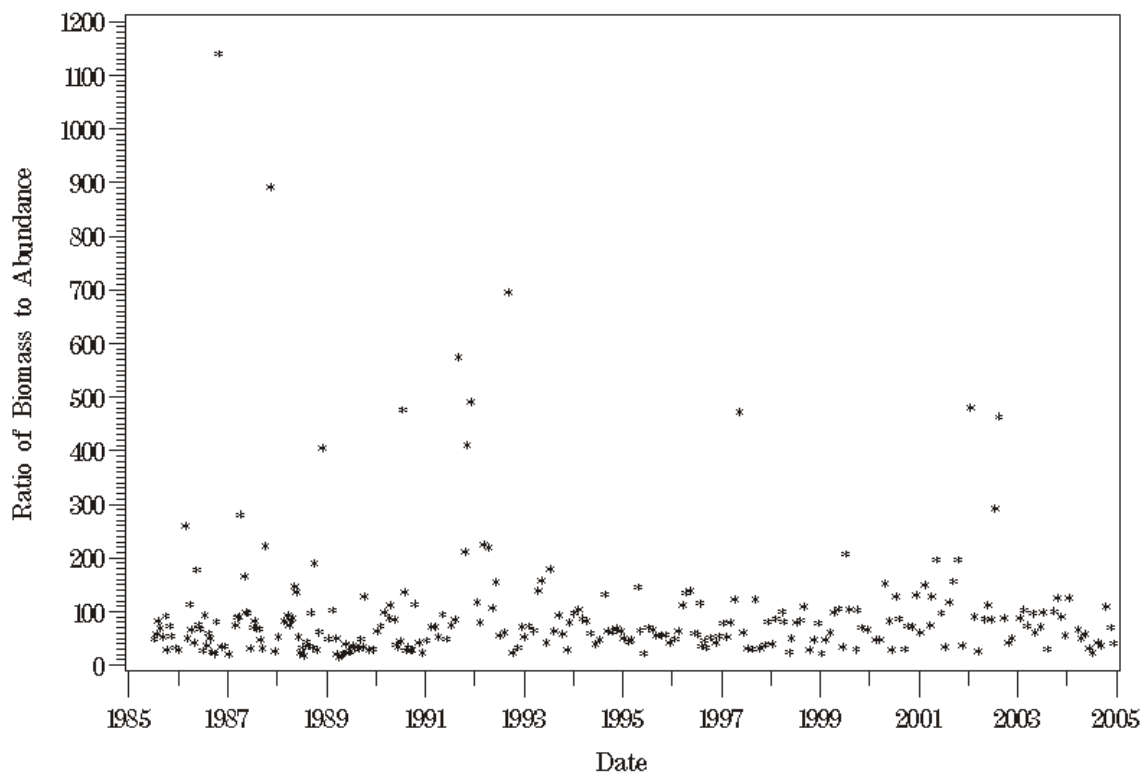


Figure F124. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB6.4 for the period of 1985 through 2004.

AP — CB6.4

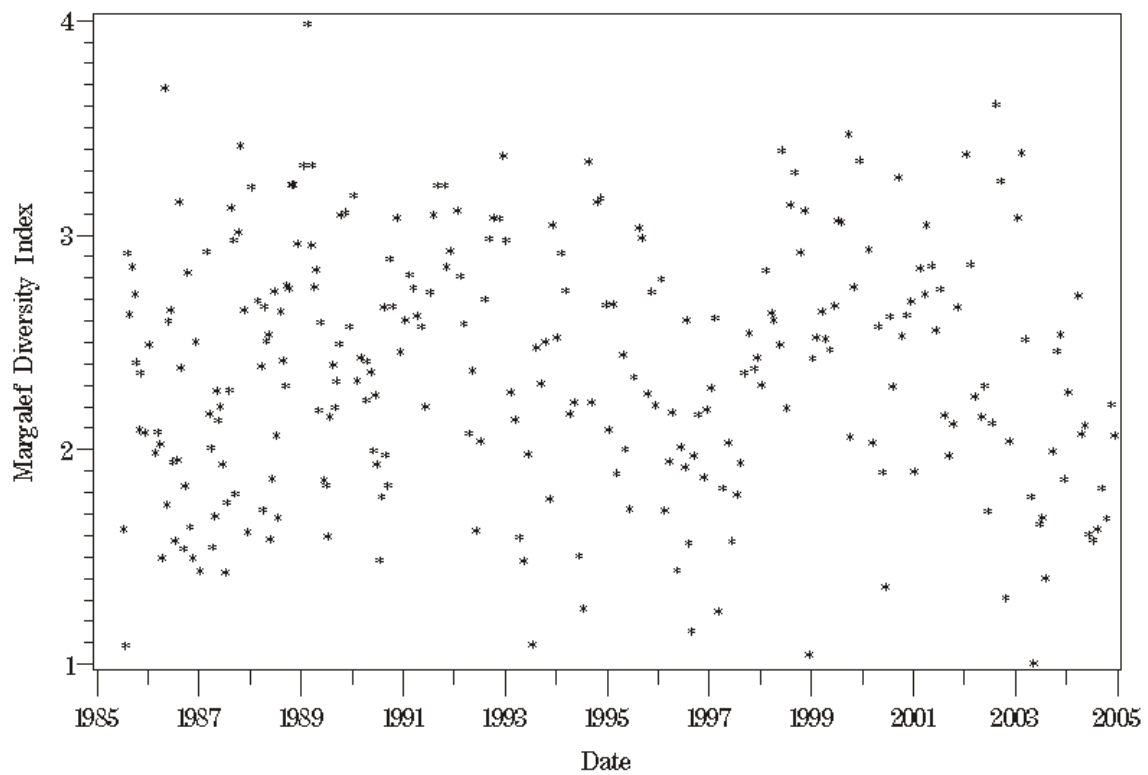


Figure F125. Plot of above pycnocline Margalef diversity index against time at station CB6.4 for the period of 1985 through 2004.

AP — CB6.4

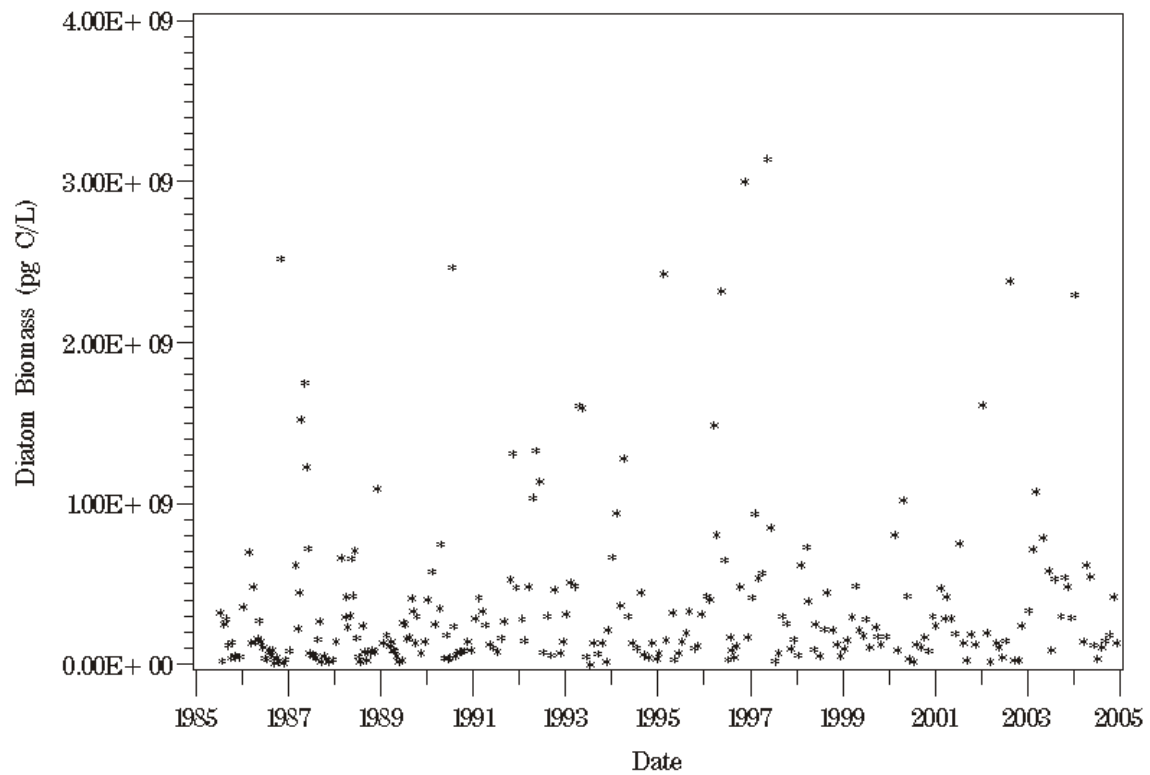


Figure F126. Plot of above pycnocline diatom biomass against time at station CB6.4 for the period of 1985 through 2004.

AP — CB6.4

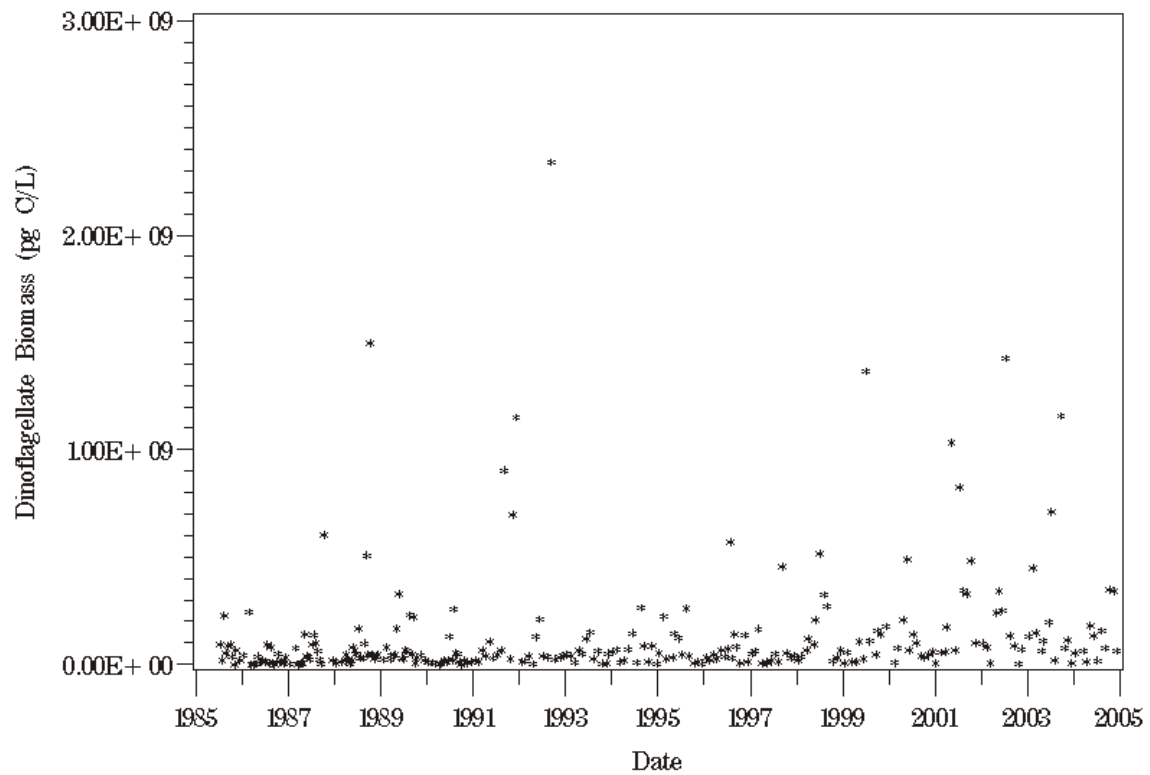


Figure F127. Plot of above pycnocline dinoflagellate biomass against time at station CB6.4 for the period of 1985 through 2004.

AP — CB6.4

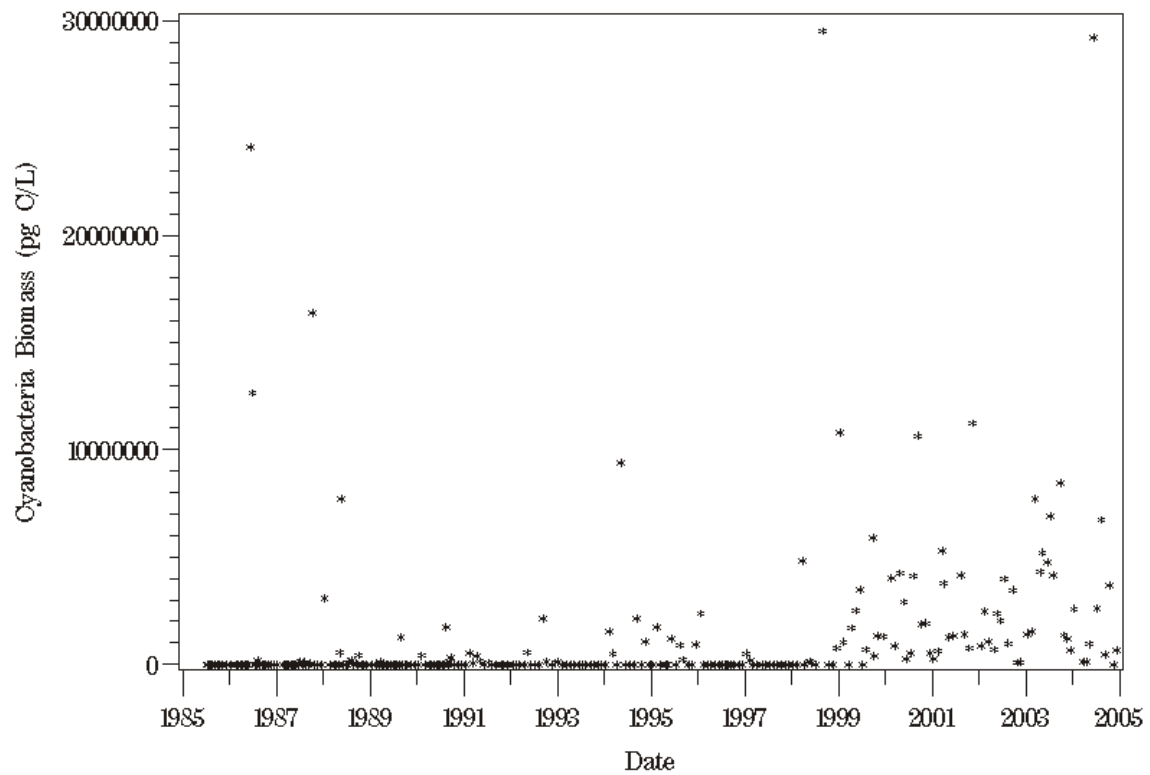


Figure F128. Plot of above pycnocline cyanobacteria biomass against time at station CB6.4 for the period of 1985 through 2004.

AP — CB6.4

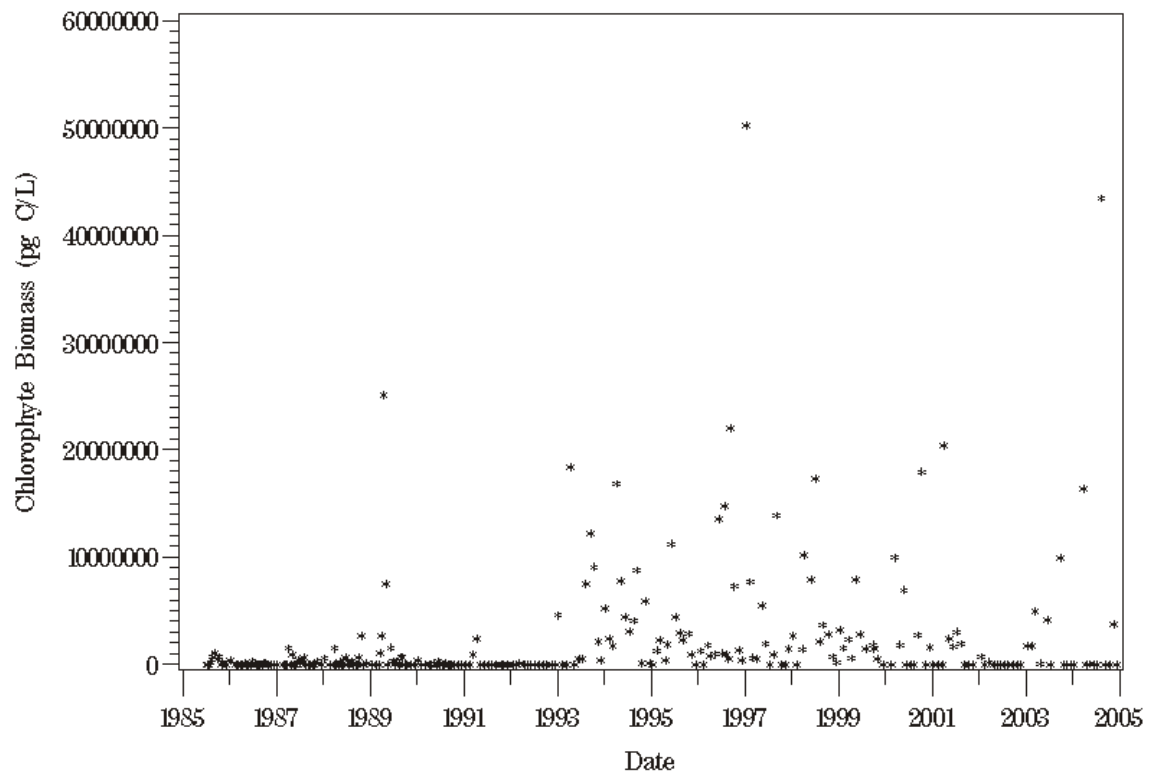


Figure F129. Plot of above pycnocline chlorophyte biomass against time at station CB6.4 for the period of 1985 through 2004.

AP — CB6.4

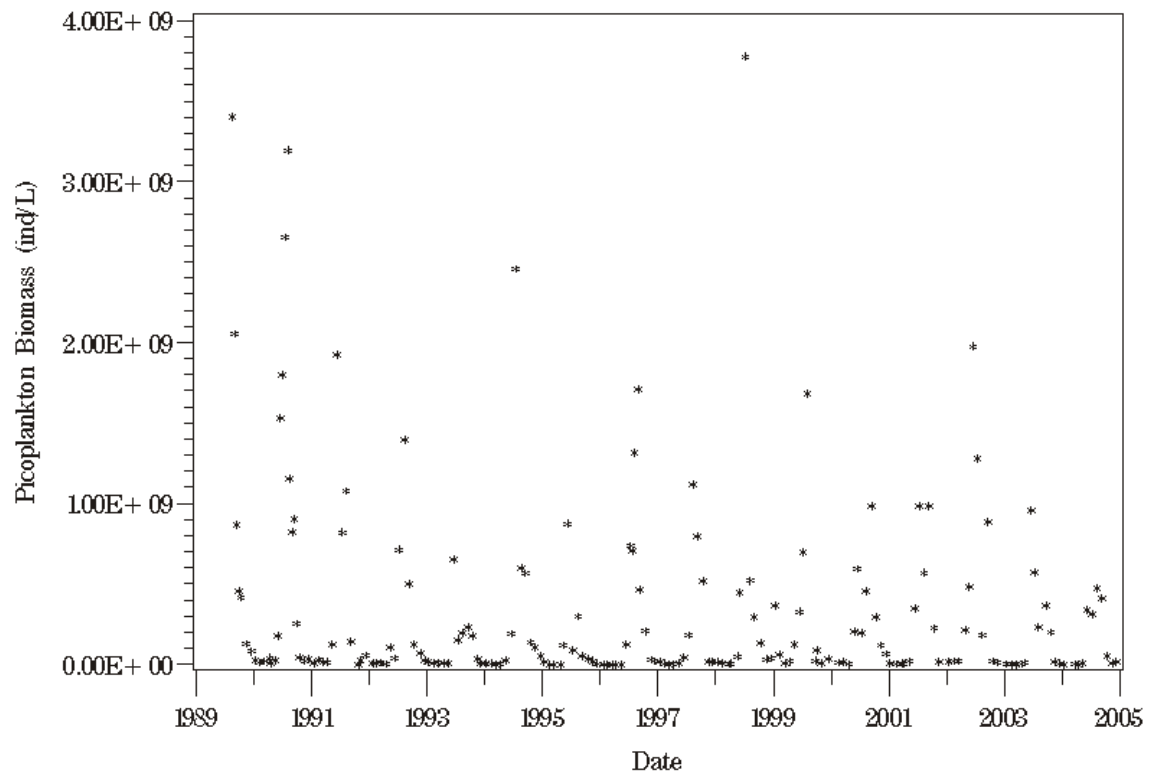


Figure F130. Plot of above pycnocline picoplankton biomass against time at station CB6.4 for the period of 1985 through 2004.

AP — CB6.4

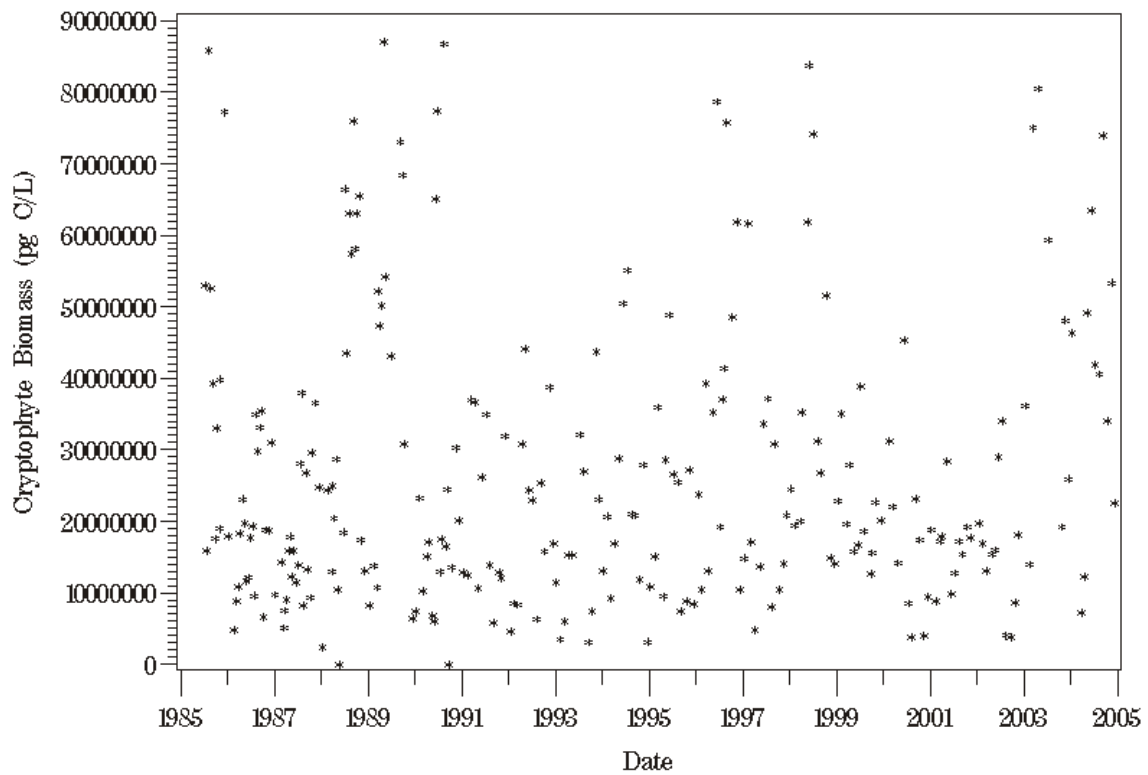


Figure F131. Plot of above pycnocline cryptophyte biomass at station CB6.4 for the period of 1985 through 2004.

AP — CB6.4

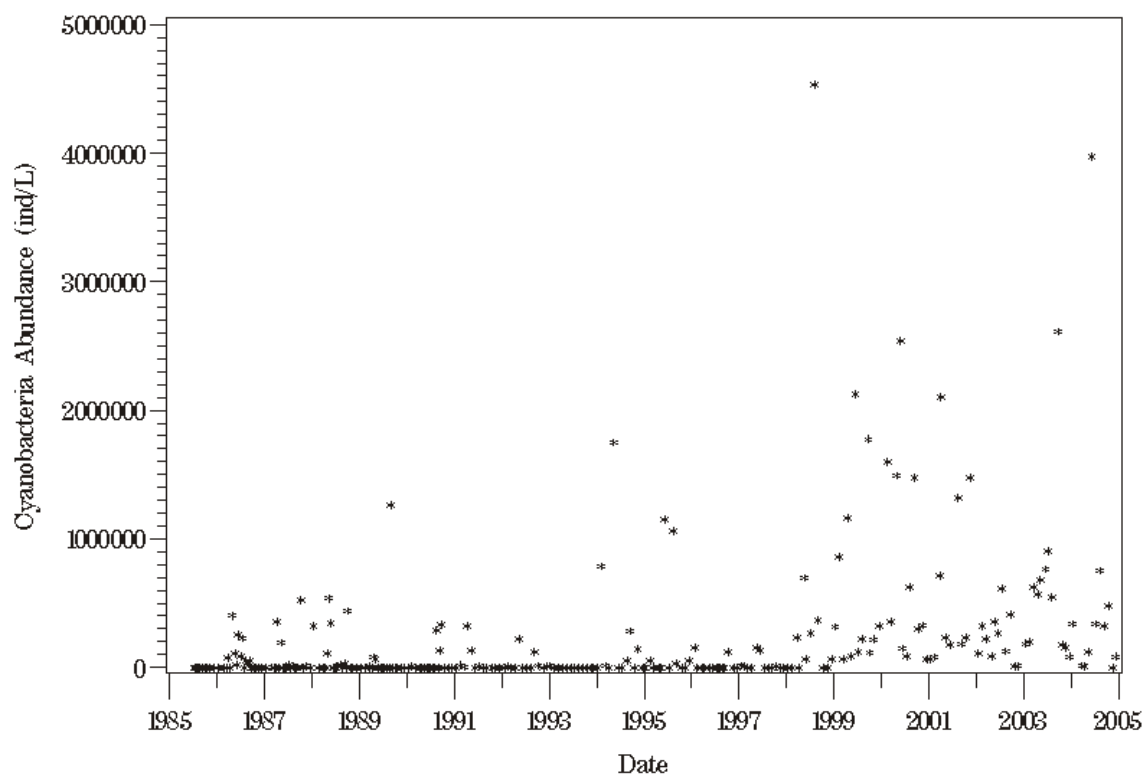


Figure F132. Plot of above pycnocline cyanophyte abundance at station CB6.4 for the period of 1985 through 2004.

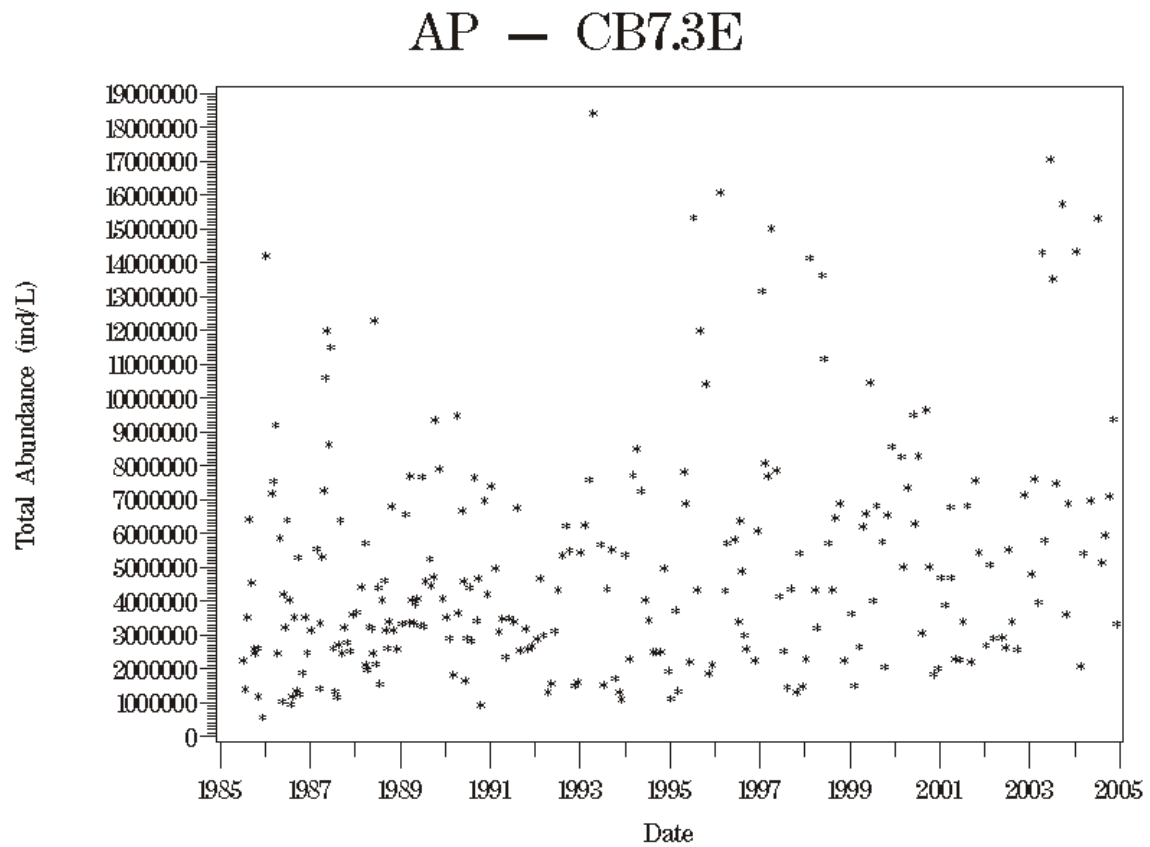


Figure F133. Plot of above pycnocline total phytoplankton abundance against time at station CB7.3E for the period of 1985 through 2004.

AP – CB7.3E

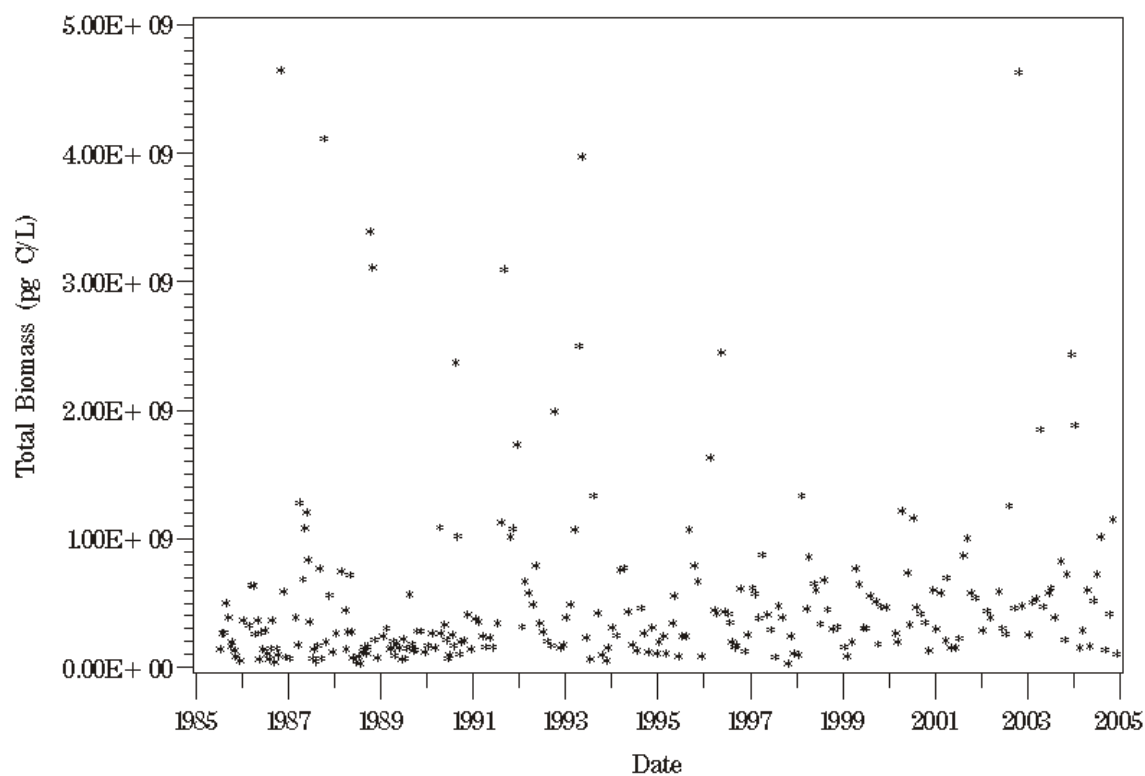


Figure F134. Plot of above pycnocline total phytoplankton biomass against time at station CB7.3E for the period of 1985 through 2004.

AP — CB7.3E

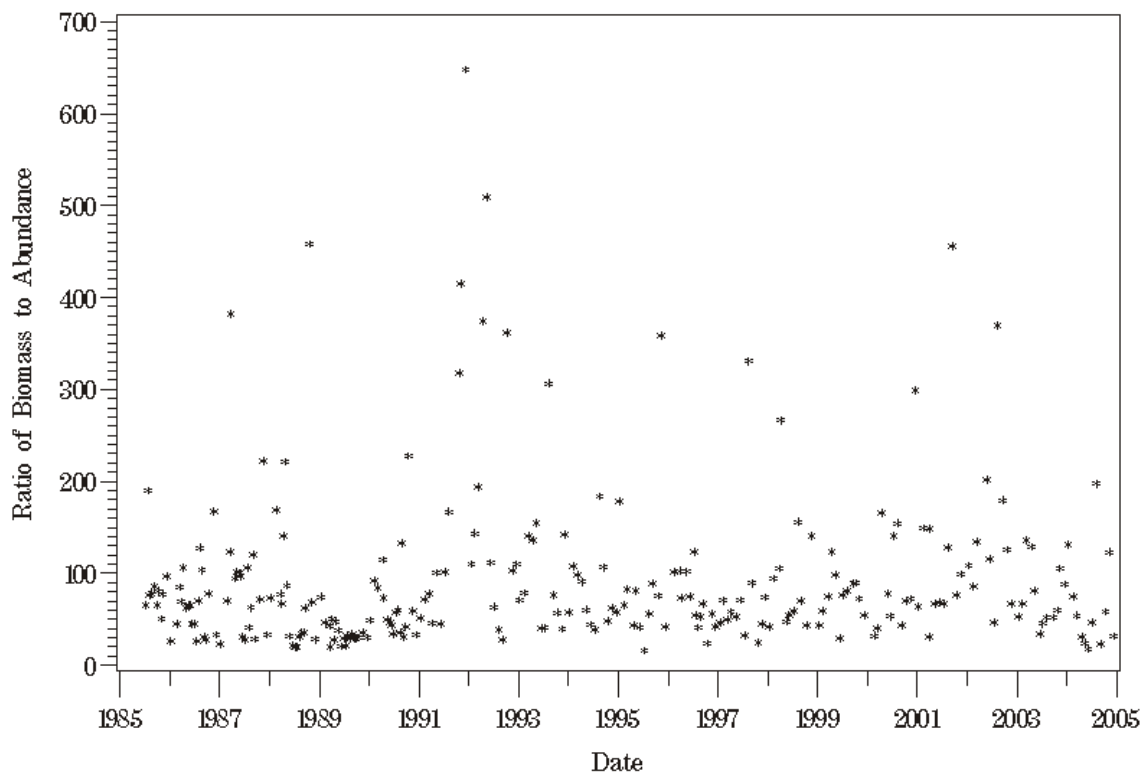


Figure F135. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB7.3E for the period of 1985 through 2004.

AP – CB7.3E

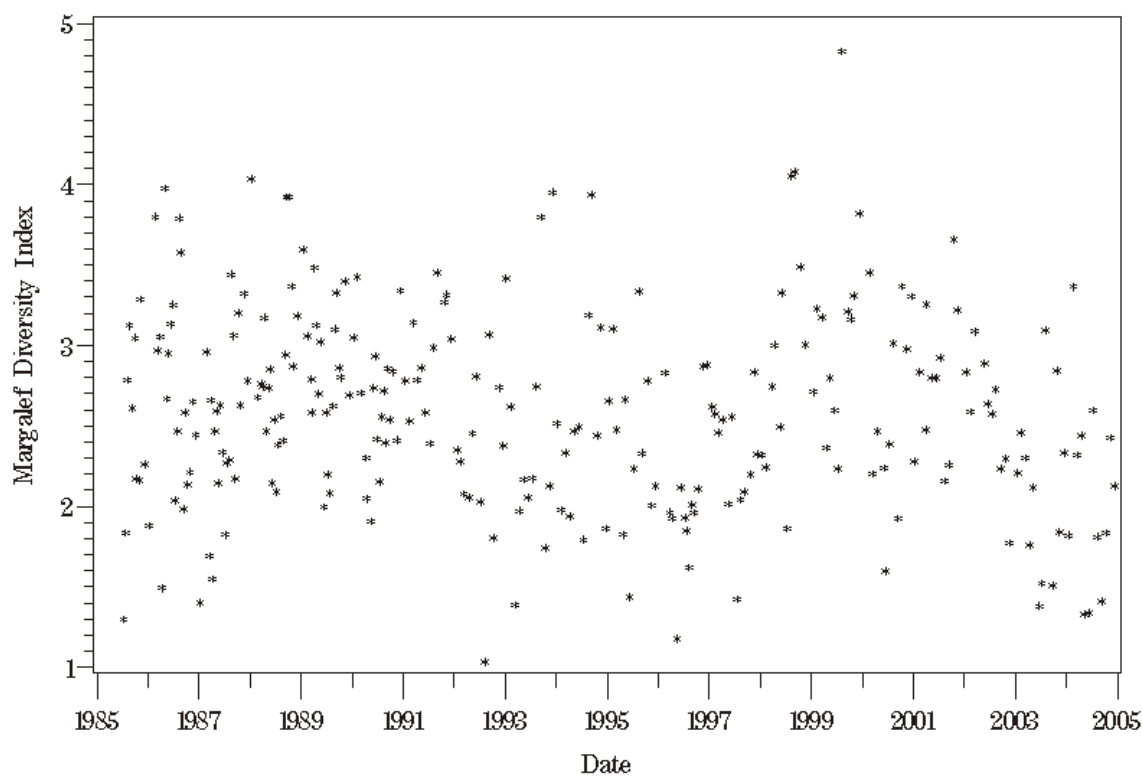


Figure F136. Plot of above pycnocline Margalef diversity index against time at station CB7.3E for the period of 1985 through 2004.

AP – CB7.3E

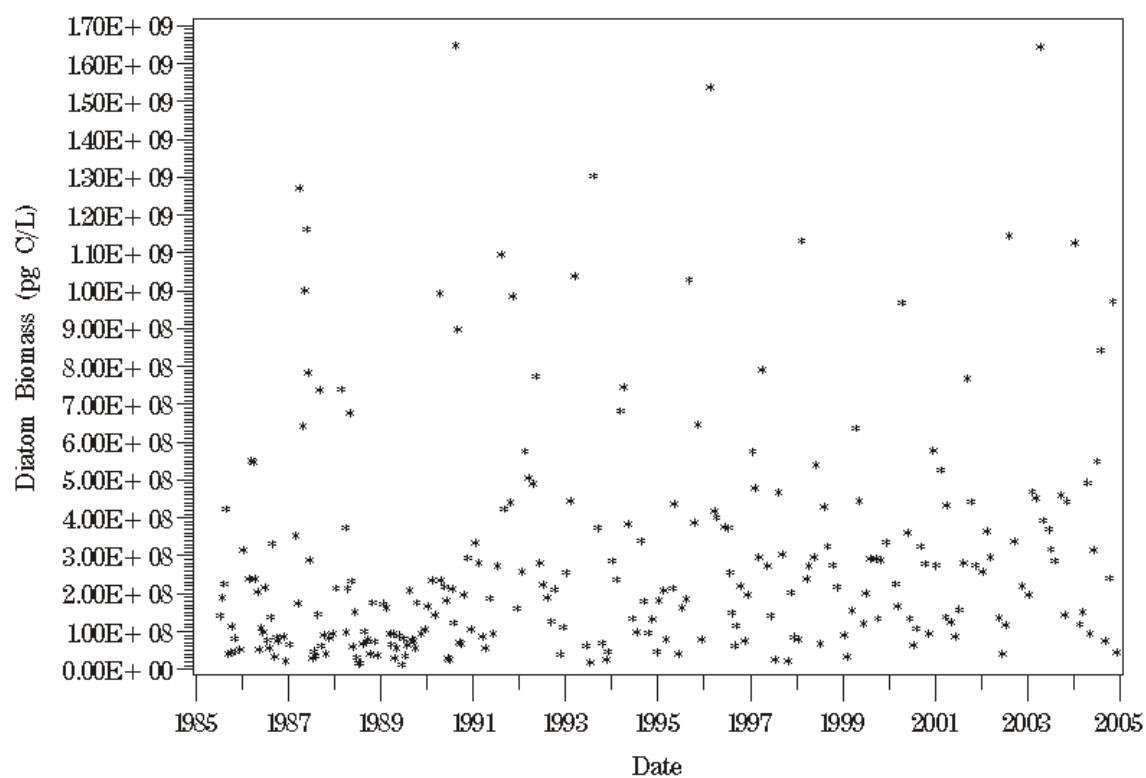


Figure F137. Plot of above pycnocline diatom biomass against time at station CB7.3E for the period of 1985 through 2004.

AP – CB7.3E

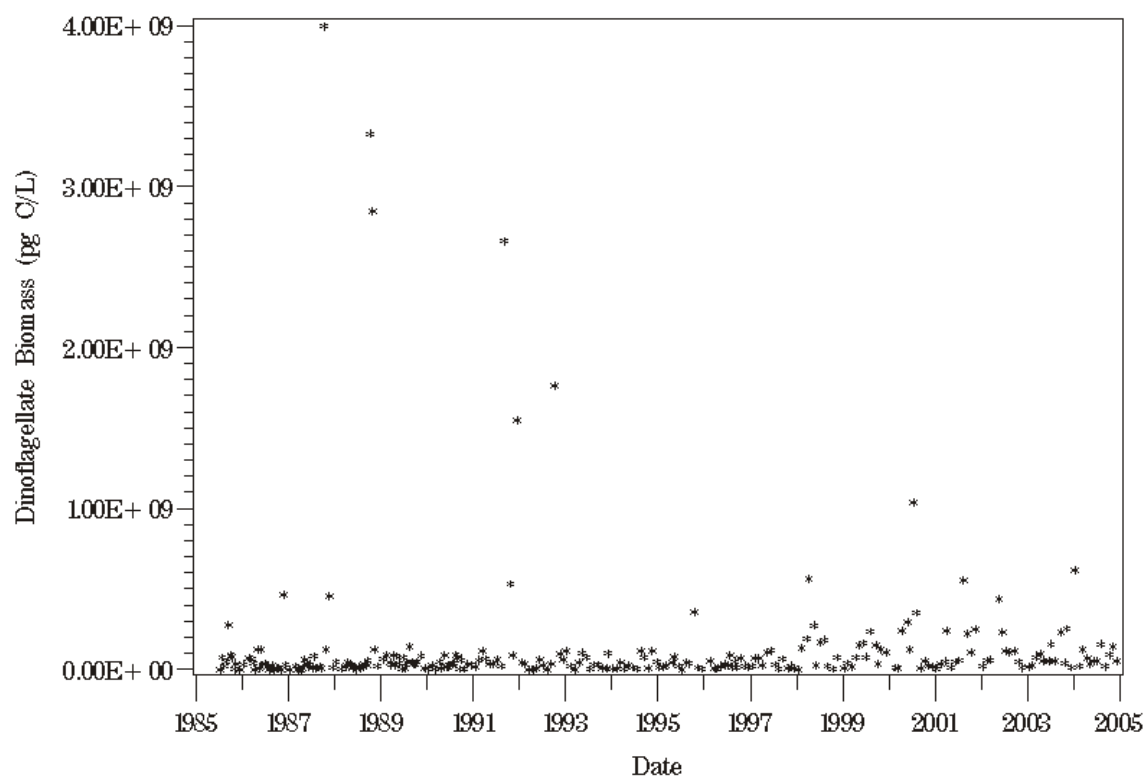


Figure F138. Plot of above pycnocline dinoflagellate biomass against time at station CB7.3E for the period of 1985 through 2004.

AP – CB7.3E

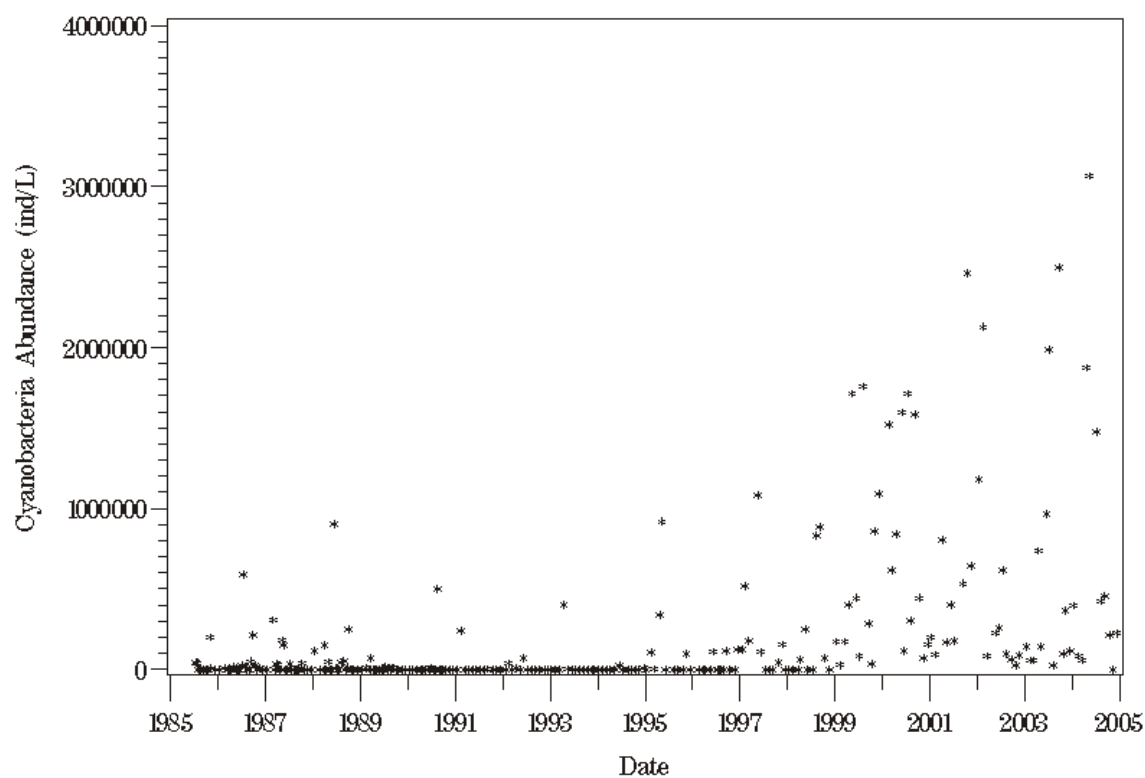


Figure F139. Plot of above pycnocline cyanobacteria biomass against time at station CB7.3E for the period of 1985 through 2004.

AP – CB7.3E

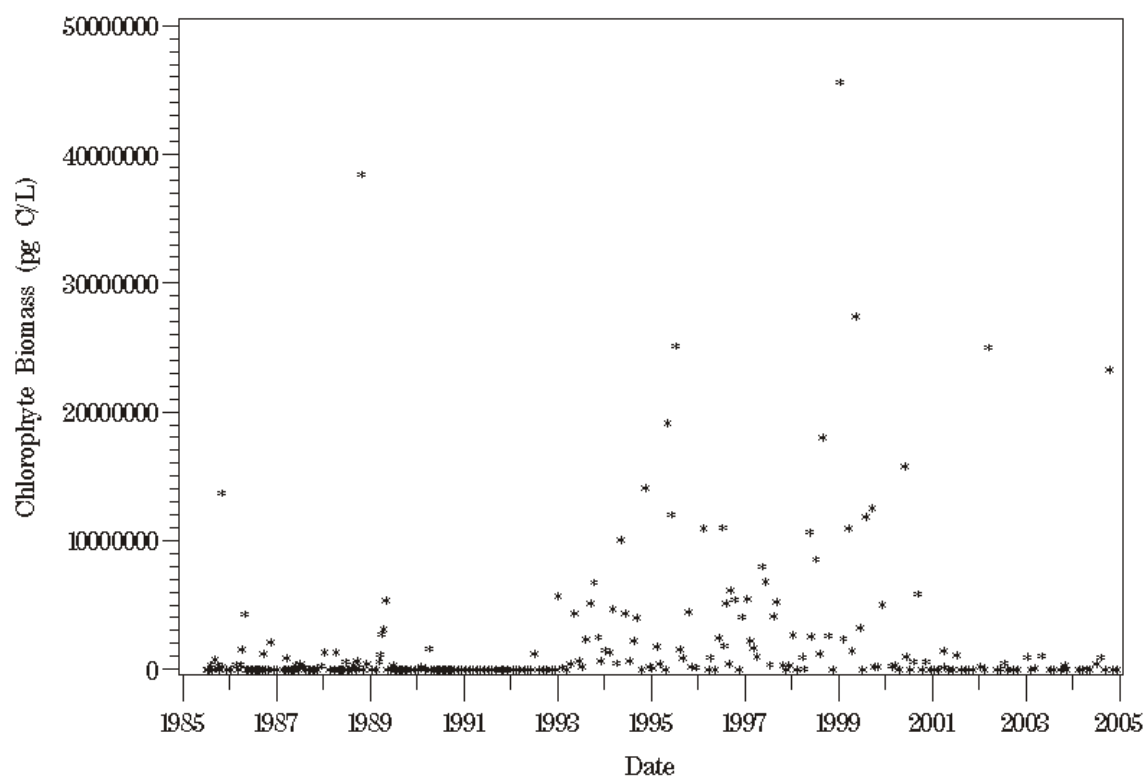


Figure F140. Plot of above pycnocline chlorophyte biomass against time at station CB7.3E for the period of 1985 through 2004.

AP – CB7.3E

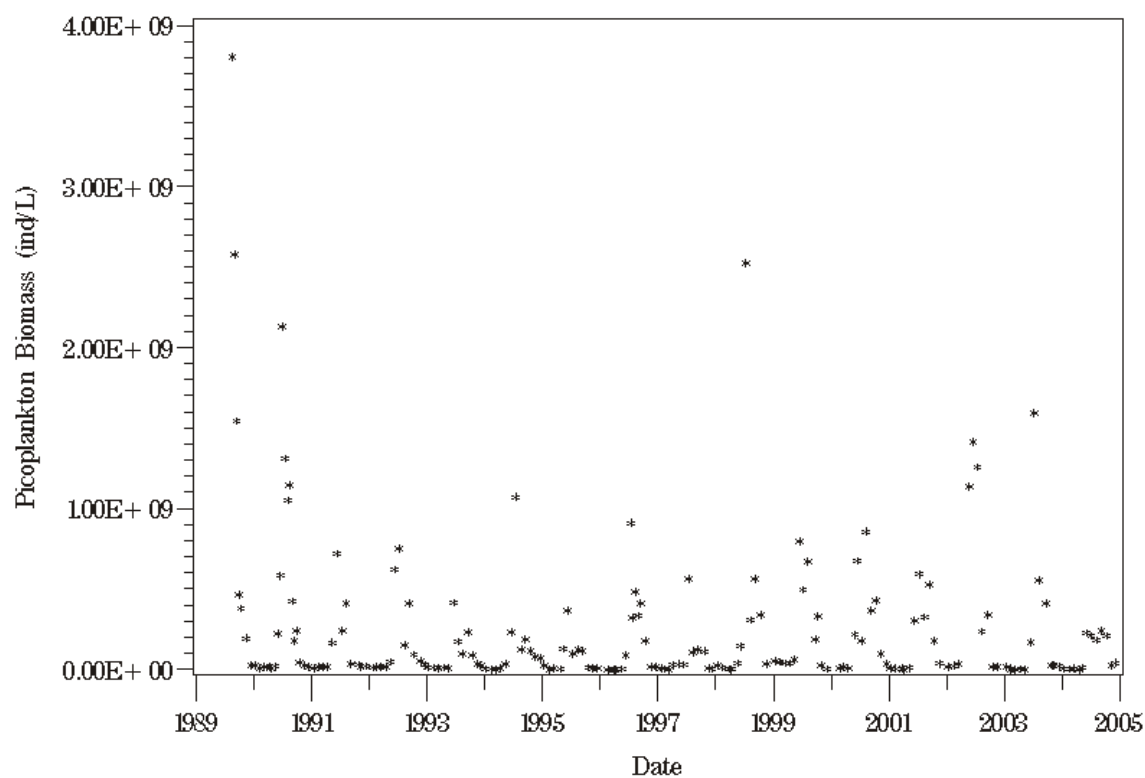


Figure F141. Plot of above pycnocline picoplankton biomass against time at station CB7.3E for the period of 1985 through 2004.

AP – CB7.3E

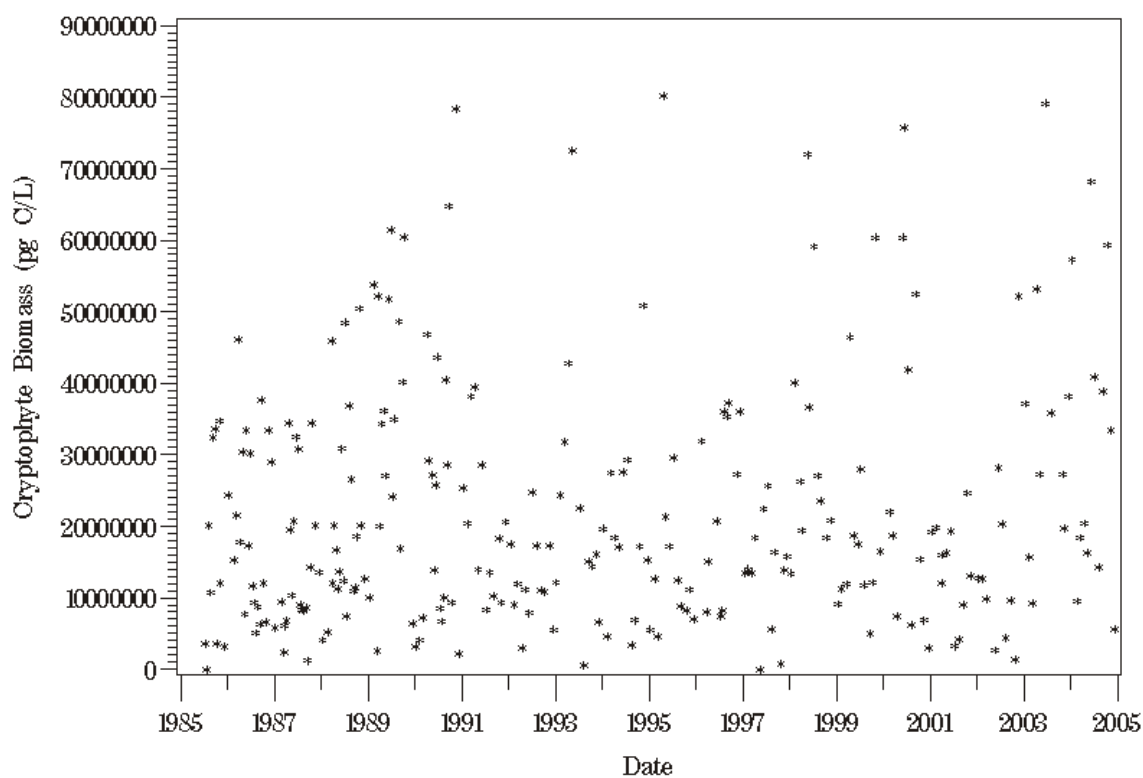


Figure F142. Plot of above pycnocline cryptophyte biomass at station CB7.3E for the period of 1985 through 2004.

AP – CB7.3E

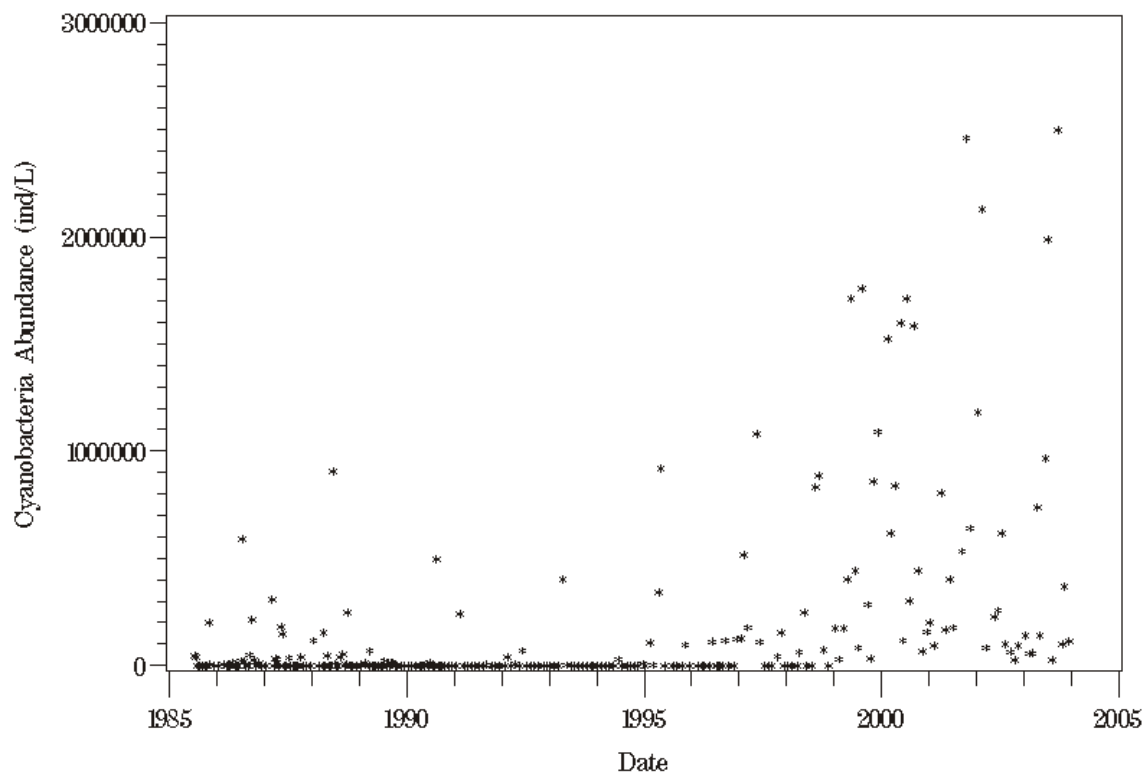


Figure F143. Plot of above pycnocline cyanophyte abundance at station CB7.3E for the period of 1985 through 2004.

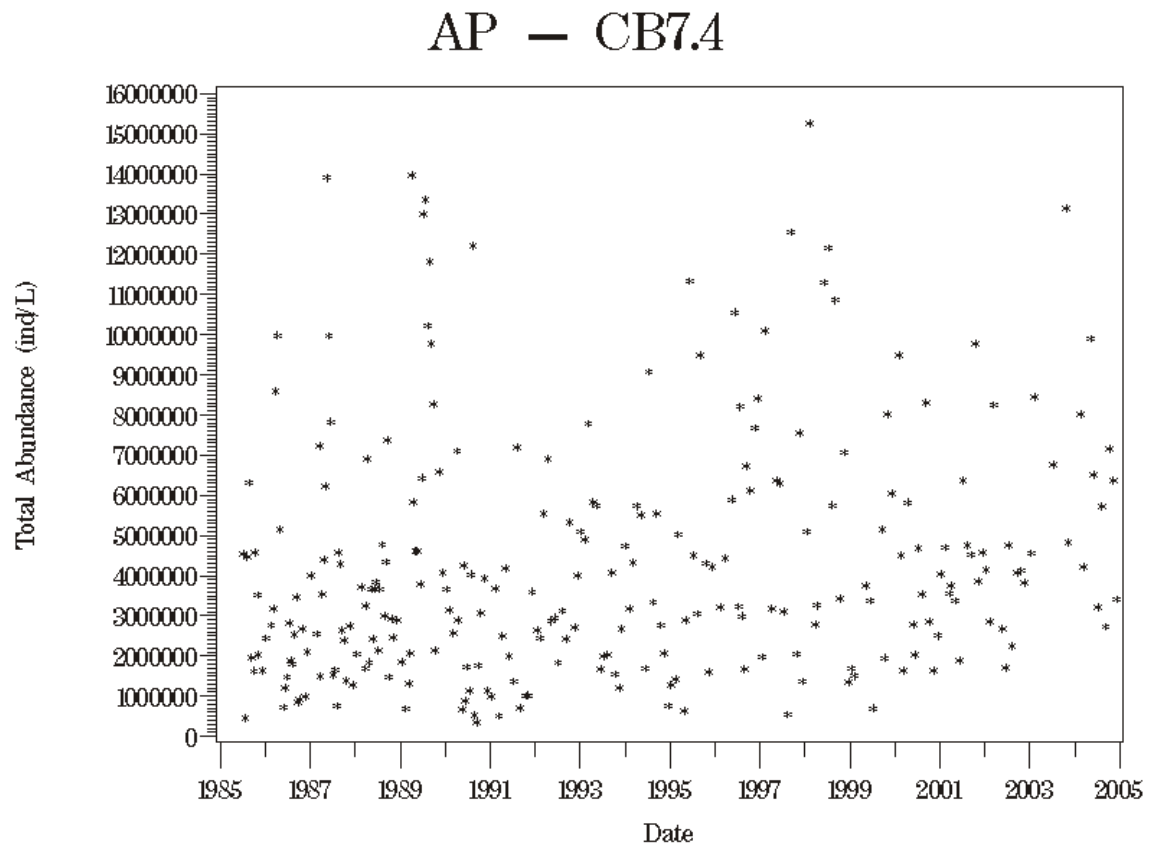


Figure F144. Plot of above pycnocline total phytoplankton abundance against time at station CB7.4 for the period of 1985 through 2004.

AP — CB7.4

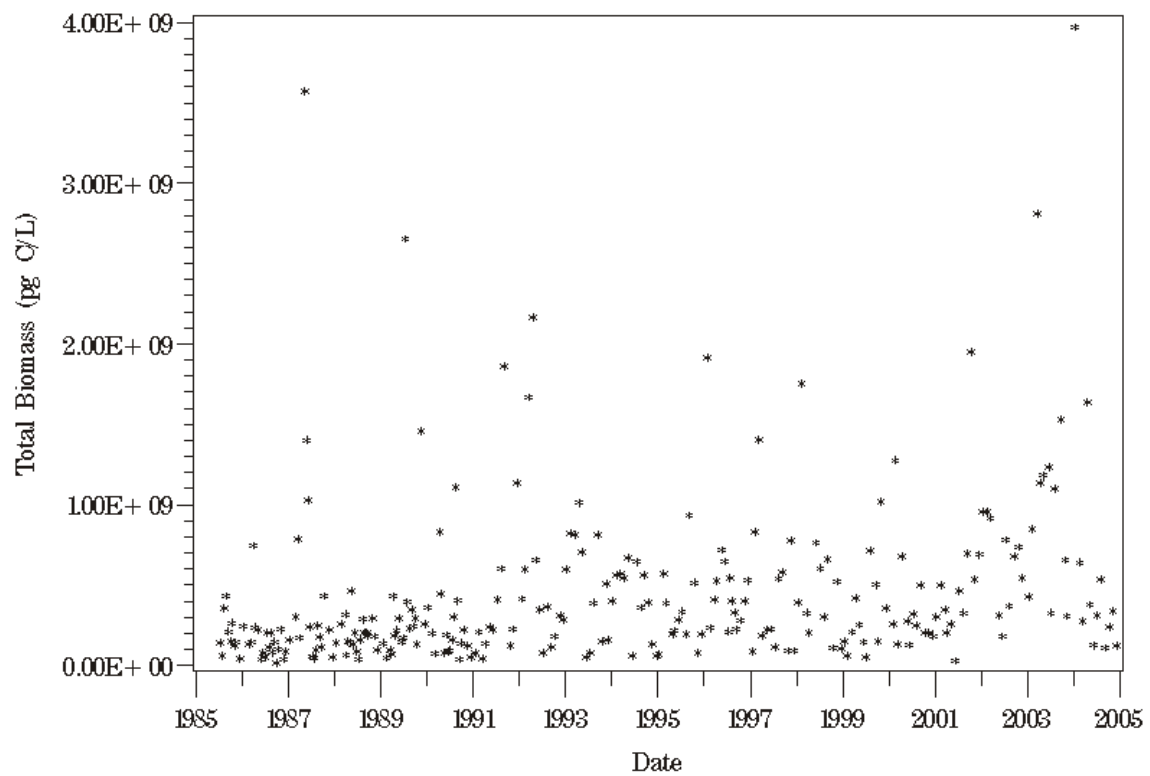


Figure F145. Plot of above pycnocline total phytoplankton biomass against time at station CB7.4 for the period of 1985 through 2004.

AP — CB7.4

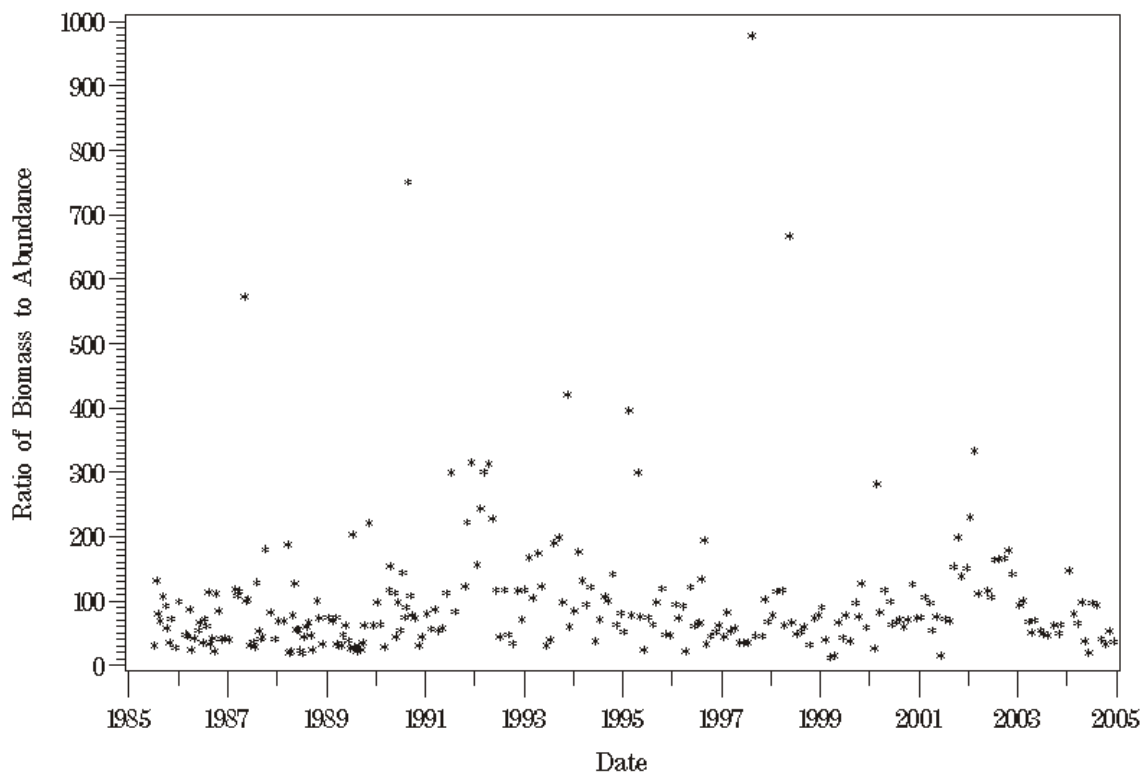


Figure F146. Plot of above pycnocline ratio of total phytoplankton biomass to total phytoplankton abundance against time at station CB7.4 for the period of 1985 through 2004.

AP — CB7.4

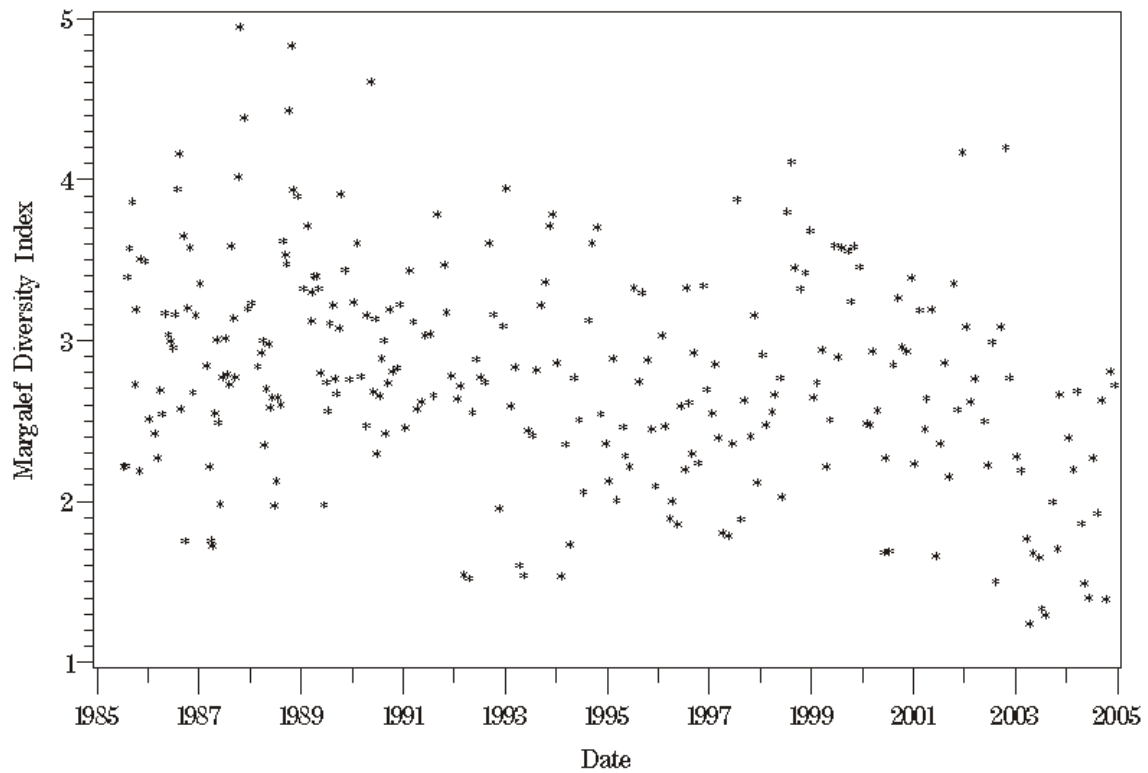


Figure F147. Plot of above pycnocline Margalef diversity index against time at station CB7.4 for the period of 1985 through 2004.

AP — CB7.4

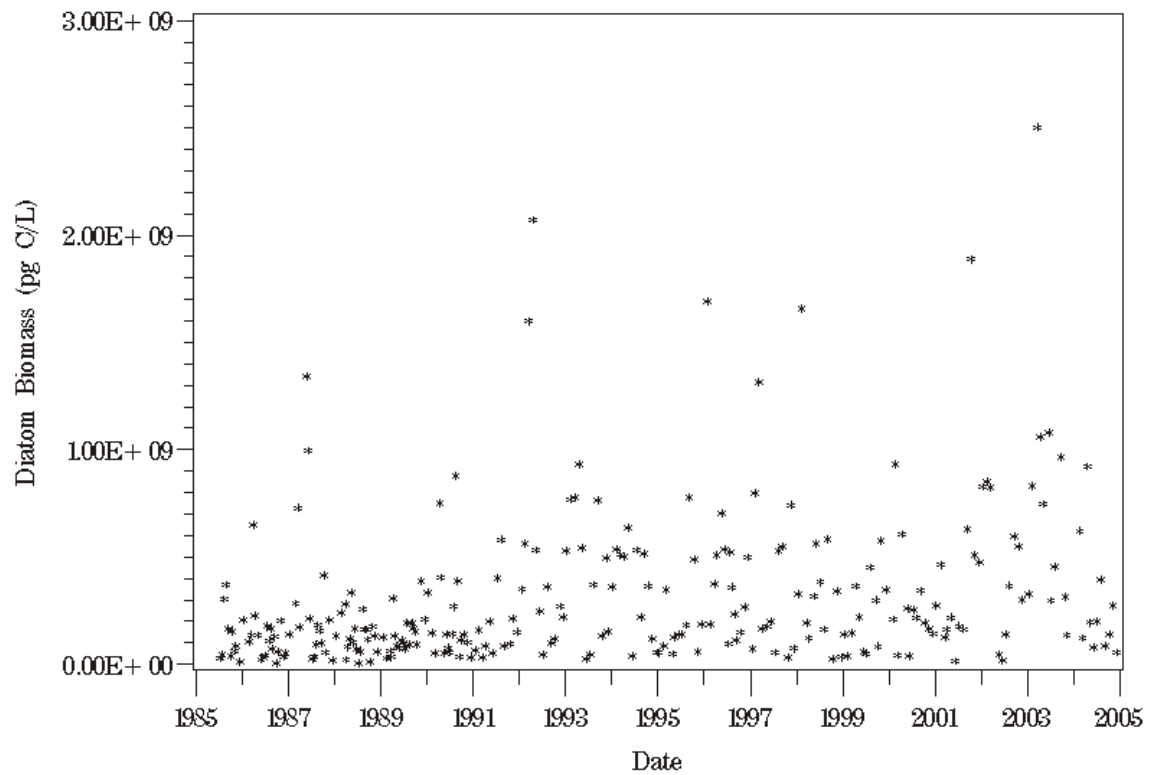


Figure F148. Plot of above pycnocline diatom biomass against time at station CB7.4 for the period of 1985 through 2004.

AP — CB7.4

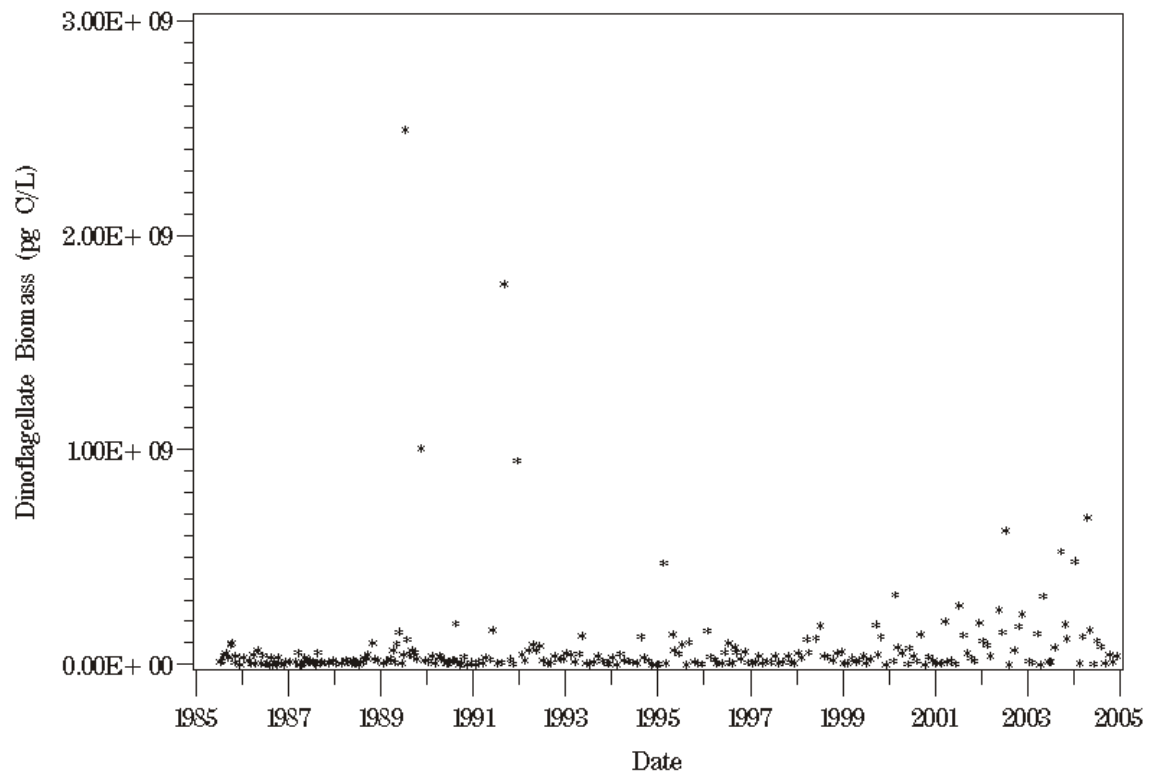


Figure F149. Plot of above pycnocline dinoflagellate biomass against time at station CB7.4 for the period of 1985 through 2004.

AP – CB7.4

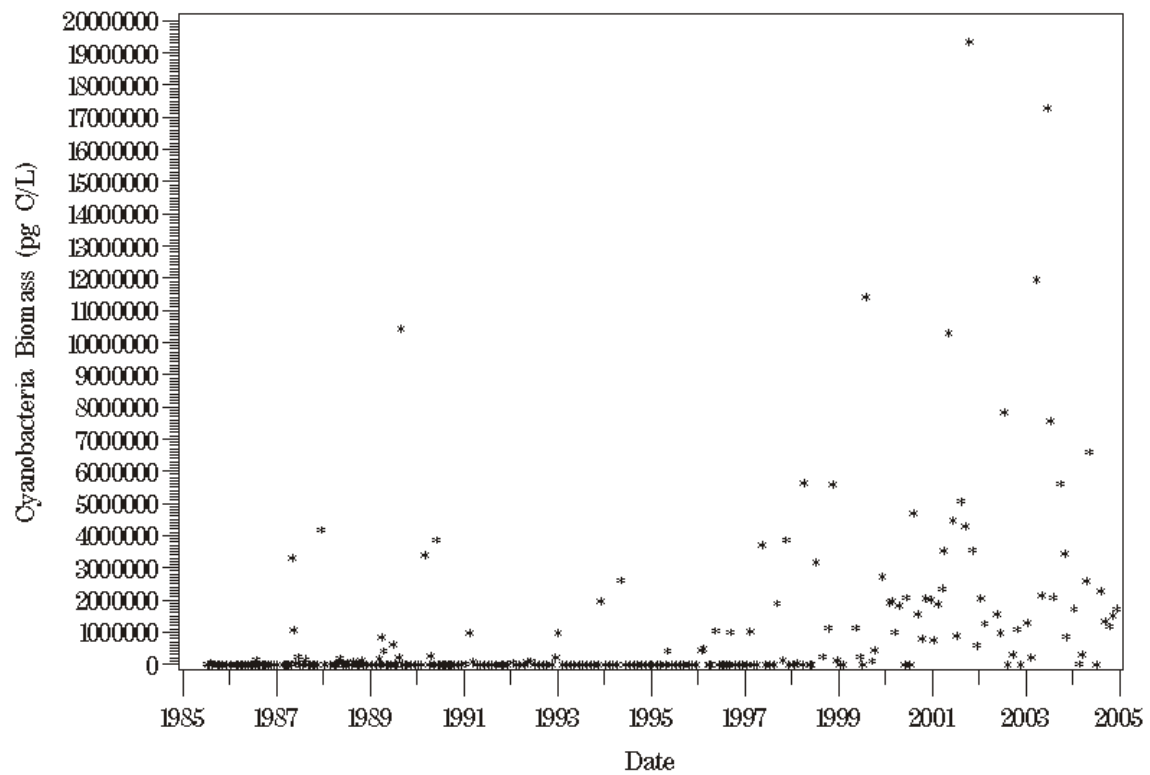


Figure F150. Plot of above pycnocline cyanobacteria biomass against time at station CB7.4 for the period of 1985 through 2004.

AP – CB7.4

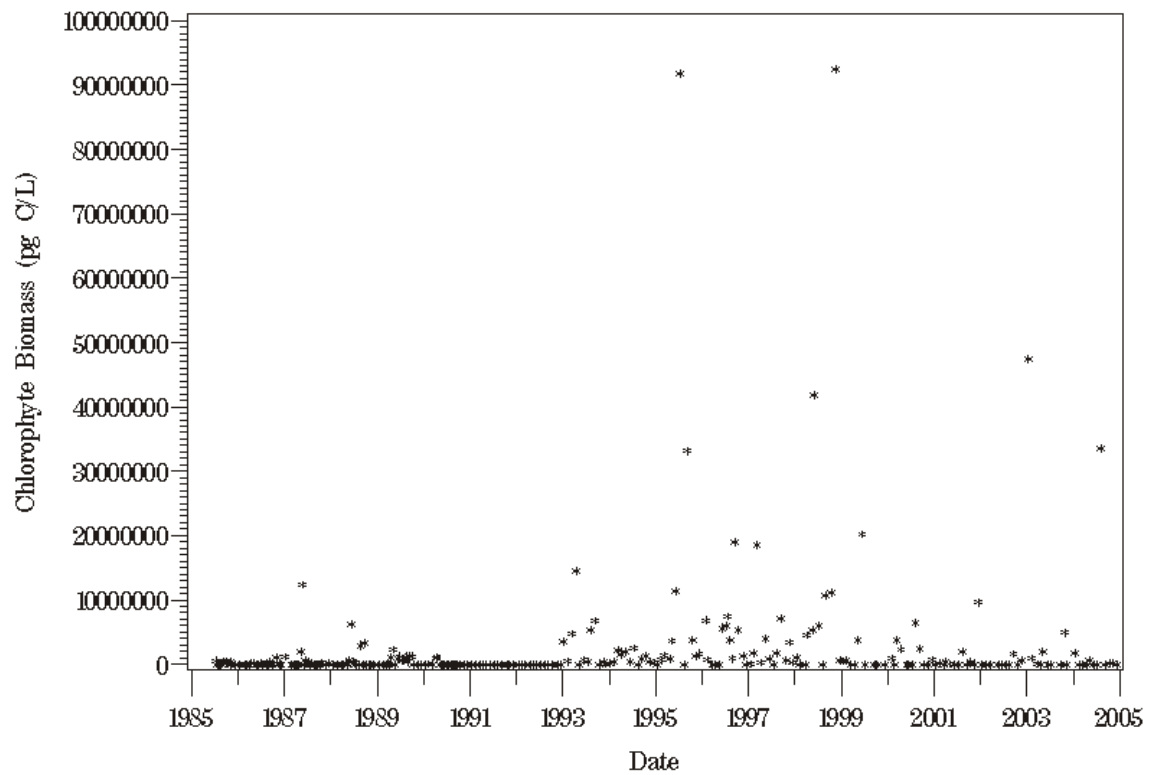


Figure F151. Plot of above pycnocline chlorophyte biomass against time at station CB7.4 for the period of 1985 through 2004.

AP — CB7.4

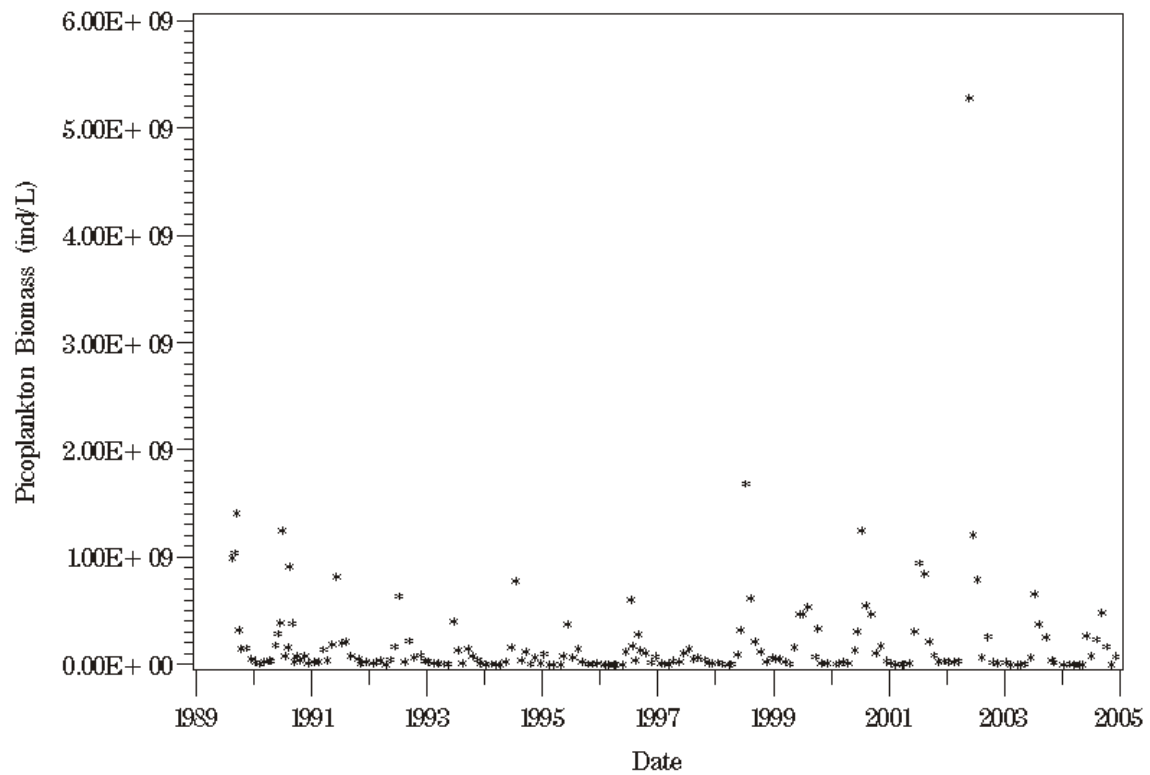


Figure F152. Plot of above pycnocline picoplankton biomass against time at station CB7.4 for the period of 1985 through 2004.

AP – CB7.4

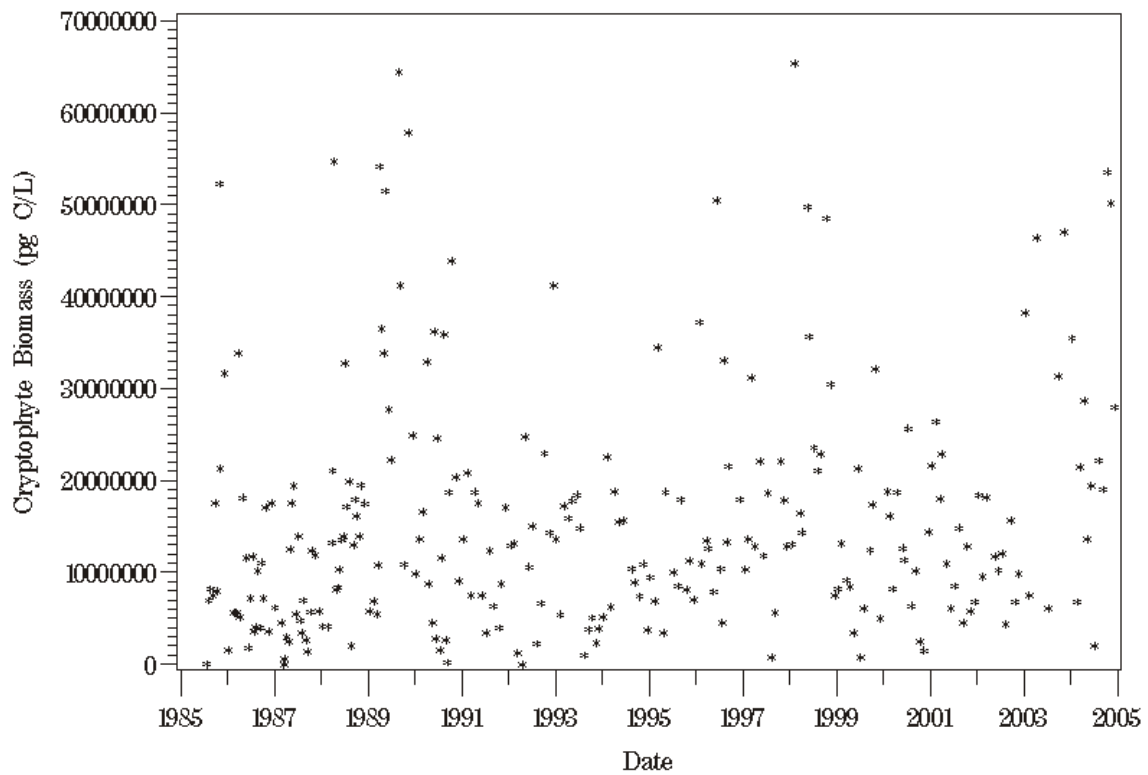


Figure F153. Plot of above pycnocline cryptophyte biomass at station CB7.4 for the period of 1985 through 2004.

AP – CB7.4

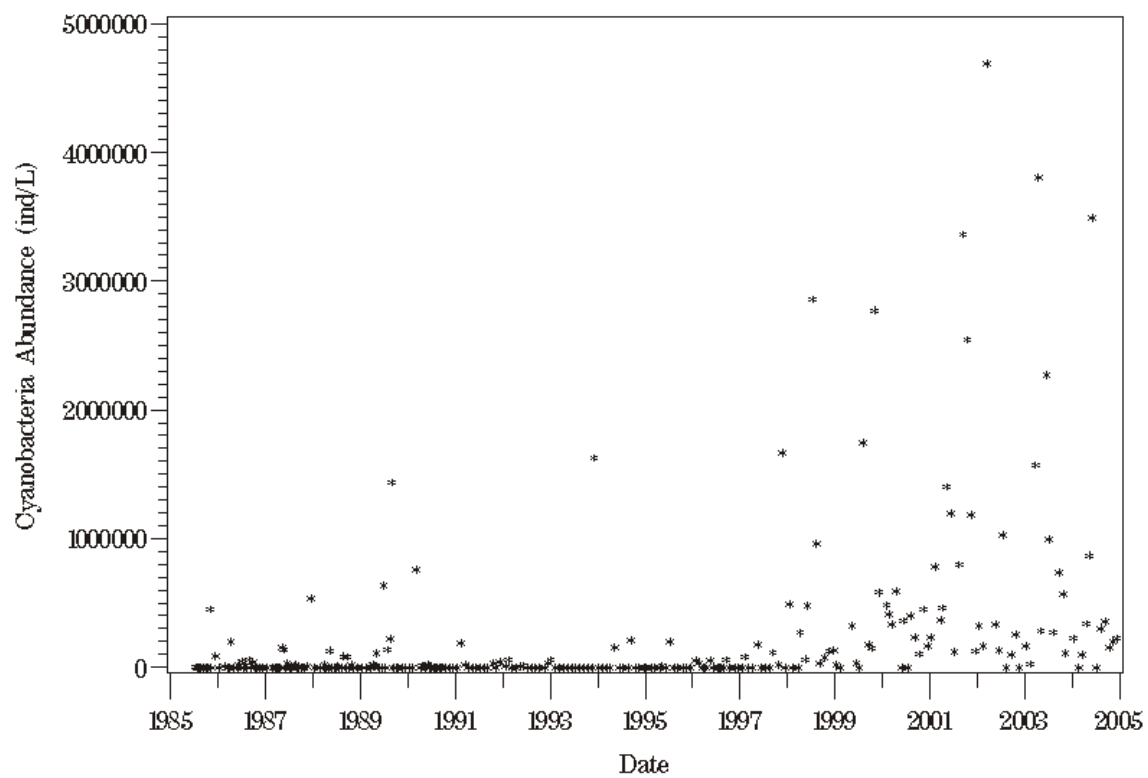


Figure F154. Plot of above pycnocline cyanophyte abundance at station CB7.4 for the period of 1985 through 2004.