

Appendix J. Status of microzooplankton bioindicators at the Virginia tributary and mainstem stations for the period of 1993 through 2001. Parameter abbreviations are as follows: COPENAUP=Copepod nauplii abundance, ROTIFERS=Rotifer abundance. See the Methods section of the report for definitions of the seasons.

Station	Parameter	Season	Value	Score	Status
TF5.5	COPENAUP	Annual	40.75	65.80	Good
TF5.5	COPENAUP	Fall	65.50	84.60	Good
TF5.5	COPENAUP	SAV1	60.50	80.20	Good
TF5.5	COPENAUP	SAV2	55.50	48.90	Fair
TF5.5	COPENAUP	Spring1	23.50	62.80	Good
TF5.5	COPENAUP	Spring2	78.00	75.30	Good
TF5.5	COPENAUP	Summer1	62.00	30.70	Poor
TF5.5	COPENAUP	Summer2	55.50	28.80	Poor
TF5.5	COPENAUP	Winter	12.25	96.40	Good
TF5.5	ROTIFERS	Annual	493.50	79.40	Poor
TF5.5	ROTIFERS	Fall	451.00	79.20	Poor
TF5.5	ROTIFERS	SAV1	446.50	77.50	Poor
TF5.5	ROTIFERS	SAV2	1822.00	87.00	Poor
TF5.5	ROTIFERS	Spring1	191.50	80.40	Poor
TF5.5	ROTIFERS	Spring2	1898.00	90.90	Poor
TF5.5	ROTIFERS	Summer1	2171.25	86.80	Poor
TF5.5	ROTIFERS	Summer2	1562.50	81.10	Poor
TF5.5	ROTIFERS	Winter	52.00	78.80	Poor
RET5.2	COPENAUP	Annual	63.00	47.70	Fair
RET5.2	COPENAUP	Fall	37.00	22.80	Poor
RET5.2	COPENAUP	SAV1	66.00	37.30	Poor
RET5.2	COPENAUP	SAV2	72.25	17.80	Poor
RET5.2	COPENAUP	Spring1	76.25	59.20	Good
RET5.2	COPENAUP	Spring2	121.50	43.00	Fair
RET5.2	COPENAUP	Summer1	66.00	8.90	Poor
RET5.2	COPENAUP	Summer2	66.00	7.40	Poor
RET5.2	COPENAUP	Winter	21.00	57.10	Fair
RET5.2	ROTIFERS	Annual	87.00	36.20	Good
RET5.2	ROTIFERS	Fall	95.00	56.70	Fair
RET5.2	ROTIFERS	SAV1	112.50	48.40	Fair
RET5.2	ROTIFERS	SAV2	66.75	15.50	Good
RET5.2	ROTIFERS	Spring1	258.00	66.00	Poor
RET5.2	ROTIFERS	Spring2	19.50	1.40	Good
RET5.2	ROTIFERS	Summer1	52.00	3.30	Good
RET5.2	ROTIFERS	Summer2	81.50	26.30	Good
RET5.2	ROTIFERS	Winter	80.50	68.30	Poor
LE5.5	COPENAUP	Annual	56.00	41.40	Poor
LE5.5	COPENAUP	Fall	60.50	51.40	Fair
LE5.5	COPENAUP	SAV1	64.75	33.00	Poor
LE5.5	COPENAUP	SAV2	65.00	21.00	Poor
LE5.5	COPENAUP	Spring1	56.00	53.90	Fair
LE5.5	COPENAUP	Spring2	56.00	38.70	Poor
LE5.5	COPENAUP	Summer1	103.50	23.70	Poor
LE5.5	COPENAUP	Summer2	128.00	29.80	Poor

Appendix J. Continued.

Station	Parameter	Season	Value	Score	Status
LE5.5	COPENAUP	Winter	10.00	10.40	Poor
LE5.5	ROTIFERS	Annual	160.00	89.40	Poor
LE5.5	ROTIFERS	Fall	337.00	98.00	Poor
LE5.5	ROTIFERS	SAV1	150.00	88.20	Poor
LE5.5	ROTIFERS	SAV2	160.00	93.20	Poor
LE5.5	ROTIFERS	Spring1	58.50	68.80	Poor
LE5.5	ROTIFERS	Spring2	160.00	89.10	Poor
LE5.5	ROTIFERS	Summer1	231.75	98.60	Poor
LE5.5	ROTIFERS	Summer2	140.00	96.80	Poor
LE5.5	ROTIFERS	Winter	95.50	63.30	Poor
SBE5	COPENAUP	Annual	33.50	34.60	Poor
SBE5	COPENAUP	Fall	17.00	21.30	Poor
SBE5	COPENAUP	SAV1	32.75	20.90	Poor
SBE5	COPENAUP	SAV2	38.00	10.70	Poor
SBE5	COPENAUP	Spring1	38.00	33.80	Poor
SBE5	COPENAUP	Spring2	38.00	18.20	Poor
SBE5	COPENAUP	Summer1	40.00	7.20	Poor
SBE5	COPENAUP	Summer2	100.00	25.80	Poor
SBE5	COPENAUP	Winter	15.75	60.30	Good
SBE5	ROTIFERS	Annual	14.50	36.30	Good
SBE5	ROTIFERS	Fall	6.00	17.60	Good
SBE5	ROTIFERS	SAV1	11.25	29.40	Good
SBE5	ROTIFERS	SAV2	15.00	47.00	Fair
SBE5	ROTIFERS	Spring1	10.50	24.20	Good
SBE5	ROTIFERS	Spring2	11.50	43.10	Fair
SBE5	ROTIFERS	Summer1	29.50	66.10	Poor
SBE5	ROTIFERS	Summer2	42.50	66.40	Poor
SBE5	ROTIFERS	Winter	200.75	69.10	Poor
TF4.2	COPENAUP	Annual	24.00	48.10	Fair
TF4.2	COPENAUP	Fall	20.50	43.90	Fair
TF4.2	COPENAUP	SAV1	24.50	46.80	Fair
TF4.2	COPENAUP	SAV2	39.50	32.70	Poor
TF4.2	COPENAUP	Spring1	21.00	58.20	Good
TF4.2	COPENAUP	Spring2	25.00	29.10	Poor
TF4.2	COPENAUP	Summer1	87.75	51.40	Fair
TF4.2	COPENAUP	Summer2	94.00	60.70	Good
TF4.2	COPENAUP	Winter	6.50	73.20	Good
TF4.2	ROTIFERS	Annual	48.00	32.70	Good
TF4.2	ROTIFERS	Fall	50.50	38.40	Good
TF4.2	ROTIFERS	SAV1	49.75	33.40	Good
TF4.2	ROTIFERS	SAV2	56.00	14.90	Good
TF4.2	ROTIFERS	Spring1	25.50	35.50	Good
TF4.2	ROTIFERS	Spring2	45.50	27.70	Good
TF4.2	ROTIFERS	Summer1	92.00	7.20	Good
TF4.2	ROTIFERS	Summer2	117.00	9.20	Good
TF4.2	ROTIFERS	Winter	34.25	62.10	Poor

Appendix J. Continued.

Station	Parameter	Season	Value	Score	Status
RET4.3	COPENAUP	Annual	68.50	57.80	Good
RET4.3	COPENAUP	Fall	83.00	75.20	Good
RET4.3	COPENAUP	SAV1	97.75	59.60	Good
RET4.3	COPENAUP	SAV2	97.50	42.10	Poor
RET4.3	COPENAUP	Spring1	47.50	41.40	Poor
RET4.3	COPENAUP	Spring2	100.00	50.00	Fair
RET4.3	COPENAUP	Summer1	82.50	25.70	Poor
RET4.3	COPENAUP	Summer2	93.00	22.90	Poor
RET4.3	COPENAUP	Winter	7.50	32.70	Poor
RET4.3	ROTIFERS	Annual	220.50	84.50	Poor
RET4.3	ROTIFERS	Fall	678.50	95.20	Poor
RET4.3	ROTIFERS	SAV1	228.00	86.20	Poor
RET4.3	ROTIFERS	SAV2	165.25	84.50	Poor
RET4.3	ROTIFERS	Spring1	99.00	67.70	Poor
RET4.3	ROTIFERS	Spring2	93.75	78.10	Poor
RET4.3	ROTIFERS	Summer1	126.50	85.80	Poor
RET4.3	ROTIFERS	Summer2	126.50	81.80	Poor
RET4.3	ROTIFERS	Winter	189.50	68.90	Poor
WE4.2	COPENAUP	Annual	44.50	33.70	Poor
WE4.2	COPENAUP	Fall	122.50	72.30	Good
WE4.2	COPENAUP	SAV1	70.00	36.30	Poor
WE4.2	COPENAUP	SAV2	83.00	31.20	Poor
WE4.2	COPENAUP	Spring1	31.00	18.80	Poor
WE4.2	COPENAUP	Spring2	30.50	13.30	Poor
WE4.2	COPENAUP	Summer1	130.25	36.90	Poor
WE4.2	COPENAUP	Summer2	148.00	38.80	Poor
WE4.2	COPENAUP	Winter	3.00	7.60	Poor
WE4.2	ROTIFERS	Annual	128.00	87.90	Poor
WE4.2	ROTIFERS	Fall	75.50	82.60	Poor
WE4.2	ROTIFERS	SAV1	83.00	80.10	Poor
WE4.2	ROTIFERS	SAV2	254.50	95.50	Poor
WE4.2	ROTIFERS	Spring1	90.50	76.40	Poor
WE4.2	ROTIFERS	Spring2	231.00	91.60	Poor
WE4.2	ROTIFERS	Summer1	306.25	99.00	Poor
WE4.2	ROTIFERS	Summer2	330.50	98.70	Poor
WE4.2	ROTIFERS	Winter	55.25	50.10	Fair
TF3.3	COPENAUP	Annual	136.50	70.60	Good
TF3.3	COPENAUP	Fall	136.50	73.80	Good
TF3.3	COPENAUP	SAV1	168.50	71.40	Good
TF3.3	COPENAUP	SAV2	147.00	50.90	Fair
TF3.3	COPENAUP	Spring1	331.50	89.70	Good
TF3.3	COPENAUP	Spring2	367.00	83.50	Good
TF3.3	COPENAUP	Summer1	106.25	16.90	Poor
TF3.3	COPENAUP	Summer2	90.50	14.70	Poor
TF3.3	COPENAUP	Winter	105.50	92.50	Good
TF3.3	ROTIFERS	Annual	120.50	44.10	Good

Appendix J. Continued.

Station	Parameter	Season	Value	Score	Status
TF3.3	ROTIFERS	Fall	90.00	55.00	Fair
TF3.3	ROTIFERS	SAV1	202.00	65.70	Poor
TF3.3	ROTIFERS	SAV2	354.50	56.00	Fair
TF3.3	ROTIFERS	Spring1	71.50	27.70	Good
TF3.3	ROTIFERS	Spring2	152.50	18.60	Good
TF3.3	ROTIFERS	Summer1	380.75	38.50	Good
TF3.3	ROTIFERS	Summer2	442.00	65.20	Poor
TF3.3	ROTIFERS	Winter	24.50	27.90	Good
RET3.1	COPENAUP	Annual	108.75	71.80	Good
RET3.1	COPENAUP	Fall	27.50	35.80	Poor
RET3.1	COPENAUP	SAV1	176.25	78.80	Good
RET3.1	COPENAUP	SAV2	169.00	67.80	Good
RET3.1	COPENAUP	Spring1	219.50	87.20	Good
RET3.1	COPENAUP	Spring2	219.50	85.60	Good
RET3.1	COPENAUP	Summer1	88.00	28.40	Poor
RET3.1	COPENAUP	Summer2	82.00	18.60	Poor
RET3.1	COPENAUP	Winter	119.75	97.70	Good
RET3.1	ROTIFERS	Annual	149.75	79.70	Poor
RET3.1	ROTIFERS	Fall	913.00	96.40	Poor
RET3.1	ROTIFERS	SAV1	486.75	92.60	Poor
RET3.1	ROTIFERS	SAV2	158.50	84.60	Poor
RET3.1	ROTIFERS	Spring1	755.50	92.40	Poor
RET3.1	ROTIFERS	Spring2	508.00	92.80	Poor
RET3.1	ROTIFERS	Summer1	95.00	82.90	Poor
RET3.1	ROTIFERS	Summer2	95.50	78.40	Poor
RET3.1	ROTIFERS	Winter	21.50	19.30	Good
LE3.6	COPENAUP	Annual	39.00	40.10	Poor
LE3.6	COPENAUP	Fall	52.00	59.60	Good
LE3.6	COPENAUP	SAV1	52.00	35.30	Poor
LE3.6	COPENAUP	SAV2	55.00	18.90	Poor
LE3.6	COPENAUP	Spring1	30.50	26.80	Poor
LE3.6	COPENAUP	Spring2	17.75	7.00	Poor
LE3.6	COPENAUP	Summer1	105.50	41.30	Poor
LE3.6	COPENAUP	Summer2	129.50	37.60	Poor
LE3.6	COPENAUP	Winter	10.00	43.50	Fair
LE3.6	ROTIFERS	Annual	190.75	82.50	Poor
LE3.6	ROTIFERS	Fall	196.50	85.30	Poor
LE3.6	ROTIFERS	SAV1	185.00	83.70	Poor
LE3.6	ROTIFERS	SAV2	188.75	85.90	Poor
LE3.6	ROTIFERS	Spring1	183.00	78.10	Poor
LE3.6	ROTIFERS	Spring2	122.38	79.40	Poor
LE3.6	ROTIFERS	Summer1	252.25	86.90	Poor
LE3.6	ROTIFERS	Summer2	362.50	90.90	Poor
LE3.6	ROTIFERS	Winter	217.50	74.40	Poor
CB6.1	COPENAUP	Annual	65.50	56.50	Good
CB6.1	COPENAUP	Fall	66.00	68.00	Good

Appendix J. Continued.

Station	Parameter	Season	Value	Score	Status
CB6.1	COPENAUP	SAV1	70.50	46.80	Fair
CB6.1	COPENAUP	SAV2	87.50	31.60	Poor
CB6.1	COPENAUP	Spring1	28.00	24.70	Poor
CB6.1	COPENAUP	Spring2	37.00	28.10	Poor
CB6.1	COPENAUP	Summer1	105.00	33.10	Poor
CB6.1	COPENAUP	Summer2	112.00	30.60	Poor
CB6.1	COPENAUP	Winter	12.00	50.40	Fair
CB6.1	ROTIFERS	Annual	80.50	69.70	Poor
CB6.1	ROTIFERS	Fall	87.00	72.30	Poor
CB6.1	ROTIFERS	SAV1	42.50	56.80	Poor
CB6.1	ROTIFERS	SAV2	42.50	62.00	Poor
CB6.1	ROTIFERS	Spring1	29.00	42.40	Fair
CB6.1	ROTIFERS	Spring2	41.00	60.60	Poor
CB6.1	ROTIFERS	Summer1	32.00	67.10	Poor
CB6.1	ROTIFERS	Summer2	33.50	62.30	Poor
CB6.1	ROTIFERS	Winter	563.00	88.90	Poor
CB6.4	COPENAUP	Annual	49.00	37.80	Poor
CB6.4	COPENAUP	Fall	55.75	47.70	Fair
CB6.4	COPENAUP	SAV1	54.25	25.80	Poor
CB6.4	COPENAUP	SAV2	101.00	41.00	Poor
CB6.4	COPENAUP	Spring1	47.00	41.90	Poor
CB6.4	COPENAUP	Spring2	58.00	40.70	Poor
CB6.4	COPENAUP	Summer1	107.25	25.60	Poor
CB6.4	COPENAUP	Summer2	147.00	38.40	Poor
CB6.4	COPENAUP	Winter	4.50	1.70	Poor
CB6.4	ROTIFERS	Annual	57.75	77.20	Poor
CB6.4	ROTIFERS	Fall	310.25	96.90	Poor
CB6.4	ROTIFERS	SAV1	74.00	77.80	Poor
CB6.4	ROTIFERS	SAV2	56.50	84.00	Poor
CB6.4	ROTIFERS	Spring1	56.50	68.20	Poor
CB6.4	ROTIFERS	Spring2	56.50	78.50	Poor
CB6.4	ROTIFERS	Summer1	55.50	93.80	Poor
CB6.4	ROTIFERS	Summer2	61.00	92.50	Poor
CB6.4	ROTIFERS	Winter	32.50	36.10	Good
CB7.4	COPENAUP	Annual	46.25	33.70	Poor
CB7.4	COPENAUP	Fall	41.50	39.50	Poor
CB7.4	COPENAUP	SAV1	45.00	19.30	Poor
CB7.4	COPENAUP	SAV2	57.75	15.40	Poor
CB7.4	COPENAUP	Spring1	43.00	36.10	Poor
CB7.4	COPENAUP	Spring2	51.00	30.00	Poor
CB7.4	COPENAUP	Summer1	95.00	15.10	Poor
CB7.4	COPENAUP	Summer2	73.00	8.30	Poor
CB7.4	COPENAUP	Winter	23.00	62.20	Good
CB7.4	ROTIFERS	Annual	29.50	62.40	Poor
CB7.4	ROTIFERS	Fall	82.50	84.50	Poor
CB7.4	ROTIFERS	SAV1	90.00	81.50	Poor

Appendix J. Continued.

Station	Parameter	Season	Value	Score	Status
CB7.4	ROTIFERS	SAV2	30.25	73.20	Poor
CB7.4	ROTIFERS	Spring1	24.25	49.30	Fair
CB7.4	ROTIFERS	Spring2	27.50	64.00	Poor
CB7.4	ROTIFERS	Summer1	21.00	83.80	Poor
CB7.4	ROTIFERS	Summer2	20.00	79.00	Poor
CB7.4	ROTIFERS	Winter	15.00	17.90	Good

Appendix K. Long term trends in microzooplankton bioindicators at the Virginia tributary and mainstem stations for the period of 1993 through 2001. Parameter abbreviations are as follows: TOTMCZA=Total abundance, TOTMCZB=Total biomass, COPENAUP=Copepod nauplii abundance, COPENP_B=Copepod nauplii biomass, ROTIFERS=Rotifer abundance, ROTIFR_B=Rotifer biomass, OLIGTRCH=Oligotrich abundance, OLIGTR_B=Oligotrich biomass, MCZCLAD=Cladoceran abundance, MCZCLADB=Cladoceran biomass, TINTINID=Tintinnid abundance, TINTIN_B=Tintinnid biomass, SARCODIN=Sarcodinia abundance, SARCOD_B=Sarcodinia biomass, POLYLARV=Polychaete larval abundance, POLYLV_B=Polychaete larval biomass, BARNNAUP=Barnacle nauplii abundance, BARNAU_B=Barnacle nauplii biomass.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute	Homogeneity	
						Change	Test p Value	p Value
CB6.1	TOTMCZA	Annual	4357.35	-133.58	-21.46	-935.08	0.0366	0.2880
CB6.1	TOTMCZA	Fall	5387.67	-389.50	-50.61	-2726.50	0.9035	0.0026
CB6.1	TOTMCZA	SAV1	3929.58	-237.13	-42.24	-1659.88	0.2570	0.1069
CB6.1	TOTMCZA	SAV2	5065.89	-217.79	-30.09	-1524.54	0.0645	0.2954
CB6.1	TOTMCZA	Spring1	2393.50	-148.75	-43.50	-1041.25	0.6449	0.4213
CB6.1	TOTMCZA	Spring2	2348.25	29.28	8.73	204.93	0.2094	1.0000
CB6.1	TOTMCZA	Summer1	5769.56	90.77	11.01	635.38	0.0695	0.7545
CB6.1	TOTMCZA	Summer2	7151.50	-280.33	-27.44	-1962.28	0.0646	0.7180
CB6.1	TOTMCZA	Winter	2933.25	311.00	74.22	2177.00	0.5254	0.0794
CB6.1	TOTMCZB	Annual	37.40	0.49	9.21	3.44	0.2902	0.4918
CB6.1	TOTMCZB	Fall	38.65	-1.46	-26.44	-10.22	0.4131	0.6301
CB6.1	TOTMCZB	SAV1	37.44	-0.67	-12.51	-4.68	0.4219	0.7882
CB6.1	TOTMCZB	SAV2	43.39	0.14	2.31	1.00	0.3896	0.9358
CB6.1	TOTMCZB	Spring1	35.29	-1.54	-30.51	-10.77	0.1334	0.5028
CB6.1	TOTMCZB	Spring2	35.75	0.60	11.67	4.17	0.0456	0.8000
CB6.1	TOTMCZB	Summer1	41.65	0.79	13.34	5.56	0.7384	0.5316
CB6.1	TOTMCZB	Summer2	49.93	0.16	2.19	1.09	0.9575	1.0000
CB6.1	TOTMCZB	Winter	30.19	7.11	164.90	49.78	0.8472	0.0256
CB6.1	COPENAUP	Annual	112.35	-2.04	-12.72	-14.29	0.6757	0.0522
CB6.1	COPENAUP	Fall	59.50	1.33	15.68	9.33	0.9013	0.6289
CB6.1	COPENAUP	SAV1	119.08	-5.00	-29.39	-35.00	0.5375	0.1646
CB6.1	COPENAUP	SAV2	156.68	-6.67	-29.79	-46.67	0.6389	0.0766
CB6.1	COPENAUP	Spring1	96.83	-5.13	-37.05	-35.88	0.2833	0.0698
CB6.1	COPENAUP	Spring2	82.75	-2.75	-23.26	-19.25	0.4270	0.4473
CB6.1	COPENAUP	Summer1	202.69	-11.06	-38.21	-77.44	0.6022	0.0763
CB6.1	COPENAUP	Summer2	255.50	-19.58	-53.65	-137.08	0.6664	0.0407
CB6.1	COPENAUP	Winter	34.25	-0.50	-10.22	-3.50	0.4275	0.4716
CB6.1	COPENP_B	Annual	7.98	-0.15	-12.72	-1.02	0.6757	0.0522
CB6.1	COPENP_B	Fall	4.23	0.10	15.74	0.67	0.9013	0.6289
CB6.1	COPENP_B	SAV1	8.46	-0.36	-29.39	-2.49	0.5375	0.1646
CB6.1	COPENP_B	SAV2	11.12	-0.47	-29.76	-3.31	0.6389	0.0766
CB6.1	COPENP_B	Spring1	6.88	-0.36	-37.06	-2.55	0.2833	0.0698
CB6.1	COPENP_B	Spring2	5.88	-0.20	-23.23	-1.37	0.4270	0.4473
CB6.1	COPENP_B	Summer1	14.39	-0.79	-38.18	-5.50	0.6022	0.0763
CB6.1	COPENP_B	Summer2	18.14	-1.39	-53.64	-9.73	0.6664	0.0407
CB6.1	COPENP_B	Winter	2.43	-0.04	-10.36	-0.25	0.4275	0.4716
CB6.1	ROTIFERS	Annual	80.54	5.28	45.85	36.93	0.1226	0.0002
CB6.1	ROTIFERS	Fall	53.83	4.35	56.56	30.45	0.2060	0.1854
CB6.1	ROTIFERS	SAV1	77.17	3.25	29.48	22.75	0.1921	0.1519

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
CB6.1	ROTIFERS	SAV2	60.36	3.60	41.75	25.20	0.0750	0.0028
CB6.1	ROTIFERS	Spring1	130.17	1.99	10.71	13.94	0.1194	0.6876
CB6.1	ROTIFERS	Spring2	123.33	2.08	11.82	14.58	0.0139	0.0492
CB6.1	ROTIFERS	Summer1	8.50	3.21	264.19	22.46	0.2427	0.0011
CB6.1	ROTIFERS	Summer2	11.33	4.04	249.29	28.25	0.2773	0.0250
CB6.1	ROTIFERS	Winter	190.25	40.43	148.77	283.03	0.6512	0.0256
CB6.1	ROTIFR_B	Annual	6.60	0.43	45.90	3.03	0.1226	0.0002
CB6.1	ROTIFR_B	Fall	4.41	0.36	56.62	2.50	0.2060	0.1854
CB6.1	ROTIFR_B	SAV1	6.33	0.27	29.54	1.87	0.1921	0.1519
CB6.1	ROTIFR_B	SAV2	4.95	0.30	41.73	2.07	0.0750	0.0028
CB6.1	ROTIFR_B	Spring1	10.67	0.16	10.69	1.14	0.1194	0.6876
CB6.1	ROTIFR_B	Spring2	10.11	0.17	11.84	1.20	0.0139	0.0492
CB6.1	ROTIFR_B	Summer1	0.70	0.26	264.13	1.84	0.2427	0.0011
CB6.1	ROTIFR_B	Summer2	0.93	0.33	249.41	2.32	0.2773	0.0250
CB6.1	ROTIFR_B	Winter	15.60	3.32	148.79	23.21	0.6512	0.0256
CB6.1	OLIGTRCH	Annual	2050.69	-20.83	-7.11	-145.83	0.1037	0.6617
CB6.1	OLIGTRCH	Fall	3161.67	-286.58	-63.45	-2006.03	0.3955	0.0222
CB6.1	OLIGTRCH	SAV1	2157.33	-112.46	-36.49	-787.21	0.3891	0.0488
CB6.1	OLIGTRCH	SAV2	2382.68	-62.04	-18.23	-434.29	0.1973	0.3759
CB6.1	OLIGTRCH	Spring1	917.83	-41.38	-31.56	-289.63	0.4590	0.6876
CB6.1	OLIGTRCH	Spring2	1155.92	69.71	42.22	487.99	0.1413	0.8000
CB6.1	OLIGTRCH	Summer1	2532.56	105.25	29.09	736.75	0.2028	0.6767
CB6.1	OLIGTRCH	Summer2	2918.33	-96.11	-23.05	-672.76	0.4131	0.6301
CB6.1	OLIGTRCH	Winter	1119.75	224.83	140.55	1573.83	0.5254	0.0794
CB6.1	OLIGTR_B	Annual	10.66	-0.11	-7.09	-0.76	0.1037	0.6617
CB6.1	OLIGTR_B	Fall	16.44	-1.49	-63.44	-10.43	0.3955	0.0222
CB6.1	OLIGTR_B	SAV1	11.22	-0.59	-36.50	-4.10	0.3891	0.0488
CB6.1	OLIGTR_B	SAV2	12.39	-0.32	-18.25	-2.26	0.1973	0.3759
CB6.1	OLIGTR_B	Spring1	4.77	-0.22	-31.53	-1.51	0.4590	0.6876
CB6.1	OLIGTR_B	Spring2	6.01	0.36	42.27	2.54	0.1413	0.8000
CB6.1	OLIGTR_B	Summer1	13.17	0.55	29.08	3.83	0.2028	0.6767
CB6.1	OLIGTR_B	Summer2	15.18	-0.50	-23.06	-3.50	0.4131	0.6301
CB6.1	OLIGTR_B	Winter	5.82	1.17	140.53	8.18	0.5254	0.0794
CB6.1	MCZCLAD	Annual	0.38	0.00	0.00	0.00	0.2492	0.3588
CB6.1	MCZCLAD	Fall	0.00	0.00	ne	0.00	ne	0.6985
CB6.1	MCZCLAD	SAV1	0.00	0.00	ne	0.00	0.4806	0.3803
CB6.1	MCZCLAD	SAV2	0.64	0.00	0.00	0.00	0.1452	0.4054
CB6.1	MCZCLAD	Spring1	0.00	0.00	ne	0.00	0.4806	0.3803
CB6.1	MCZCLAD	Spring2	0.17	0.00	0.00	0.00	0.1526	0.9162
CB6.1	MCZCLAD	Summer1	1.13	0.00	0.00	0.00	1.0000	0.0285
CB6.1	MCZCLAD	Summer2	1.33	0.00	0.00	0.00	ne	0.1213
CB6.1	MCZCLAD	Winter	0.00	0.00	ne	0.00	ne	ne
CB6.1	MCZCLADB	Annual	0.38	0.00	0.00	0.00	0.2492	0.3588
CB6.1	MCZCLADB	Fall	0.00	0.00	ne	0.00	ne	0.6985
CB6.1	MCZCLADB	SAV1	0.00	0.00	ne	0.00	0.4806	0.3803
CB6.1	MCZCLADB	SAV2	0.64	0.00	0.00	0.00	0.1452	0.4054
CB6.1	MCZCLADB	Spring1	0.00	0.00	ne	0.00	0.4806	0.3803
CB6.1	MCZCLADB	Spring2	0.17	0.00	0.00	0.00	0.1526	0.9162
CB6.1	MCZCLADB	Summer1	1.13	0.00	0.00	0.00	1.0000	0.0285

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
CB6.1	MCZCLADB	Summer2	1.33	0.00	0.00	0.00	ne	0.1213
CB6.1	MCZCLADB	Winter	0.00	0.00	ne	0.00	ne	ne
CB6.1	TINTINID	Annual	2106.63	-72.00	-23.92	-504.00	0.8096	0.0175
CB6.1	TINTINID	Fall	2105.83	-119.48	-39.71	-836.33	0.4916	0.1176
CB6.1	TINTINID	SAV1	1569.58	-53.75	-23.97	-376.25	0.7864	0.2443
CB6.1	TINTINID	SAV2	2456.14	-66.33	-18.90	-464.33	0.7108	0.1074
CB6.1	TINTINID	Spring1	1239.67	-65.00	-36.70	-455.00	0.6690	0.1801
CB6.1	TINTINID	Spring2	968.67	-36.91	-26.67	-258.34	0.9483	0.5265
CB6.1	TINTINID	Summer1	3016.88	-66.33	-15.39	-464.33	0.3308	0.2515
CB6.1	TINTINID	Summer2	3963.33	-79.75	-14.09	-558.25	0.1973	0.2286
CB6.1	TINTINID	Winter	1587.75	-55.30	-24.38	-387.10	0.3617	0.5236
CB6.1	TINTIN_B	Annual	6.74	-0.23	-23.88	-1.61	0.8096	0.0175
CB6.1	TINTIN_B	Fall	6.74	-0.38	-39.68	-2.67	0.4916	0.1176
CB6.1	TINTIN_B	SAV1	5.02	-0.17	-23.97	-1.20	0.7864	0.2443
CB6.1	TINTIN_B	SAV2	7.86	-0.21	-18.88	-1.48	0.7108	0.1074
CB6.1	TINTIN_B	Spring1	3.97	-0.21	-36.70	-1.46	0.6690	0.1801
CB6.1	TINTIN_B	Spring2	3.10	-0.12	-26.65	-0.83	0.9483	0.5265
CB6.1	TINTIN_B	Summer1	9.65	-0.21	-15.37	-1.48	0.3308	0.2515
CB6.1	TINTIN_B	Summer2	12.68	-0.26	-14.07	-1.79	0.1973	0.2286
CB6.1	TINTIN_B	Winter	5.08	-0.18	-24.38	-1.24	0.3617	0.5236
CB6.1	SARCOD_B	Annual	0.02	0.00	0.00	0.00	0.1788	0.0972
CB6.1	SARCODIN	Annual	1.75	0.00	0.00	0.00	0.1788	0.0972
CB6.1	SARCOD_B	Fall	0.00	0.00	ne	0.00	0.3207	0.2965
CB6.1	SARCODIN	Fall	0.00	0.00	ne	0.00	0.3207	0.2965
CB6.1	SARCOD_B	SAV1	0.00	0.00	ne	0.00	0.7874	0.0034
CB6.1	SARCODIN	SAV1	0.00	0.00	ne	0.00	0.7874	0.0034
CB6.1	SARCOD_B	SAV2	0.03	0.00	0.00	0.00	0.0559	0.4121
CB6.1	SARCODIN	SAV2	3.00	0.00	0.00	0.00	0.0559	0.4121
CB6.1	SARCOD_B	Spring1	0.00	0.00	ne	0.00	0.6483	0.0079
CB6.1	SARCODIN	Spring1	0.00	0.00	ne	0.00	0.6483	0.0079
CB6.1	SARCOD_B	Spring2	0.07	0.00	0.00	0.00	0.0085	0.4168
CB6.1	SARCODIN	Spring2	7.00	0.00	0.00	0.00	0.0085	0.4168
CB6.1	SARCOD_B	Summer1	0.05	0.00	0.00	0.00	0.2746	0.6188
CB6.1	SARCODIN	Summer1	5.25	0.00	0.00	0.00	0.2746	0.6188
CB6.1	SARCOD_B	Summer2	0.00	0.00	ne	0.00	0.4319	0.7279
CB6.1	SARCODIN	Summer2	0.00	0.00	ne	0.00	0.4319	0.7279
CB6.1	SARCOD_B	Winter	0.00	0.00	ne	0.00	ne	0.8273
CB6.1	SARCODIN	Winter	0.00	0.00	ne	0.00	ne	0.8273
CB6.1	POLYLARV	Annual	4.23	0.00	0.00	0.00	0.2734	0.3178
CB6.1	POLYLARV	Fall	4.67	-0.50	-74.99	-3.50	0.1297	0.0781
CB6.1	POLYLARV	SAV1	6.00	0.00	0.00	0.00	0.0768	1.0000
CB6.1	POLYLARV	SAV2	6.18	-0.06	-7.14	-0.44	0.0972	0.5676
CB6.1	POLYLARV	Spring1	8.50	0.33	27.42	2.33	0.1891	0.2411
CB6.1	POLYLARV	Spring2	10.08	0.29	20.27	2.04	0.1777	0.3064
CB6.1	POLYLARV	Summer1	2.44	0.00	0.00	0.00	0.7241	0.7100
CB6.1	POLYLARV	Summer2	1.50	0.00	0.00	0.00	0.5451	0.6220
CB6.1	POLYLARV	Winter	0.75	0.00	0.00	0.00	0.6402	0.2876
CB6.1	POLYLV_B	Annual	4.23	0.00	0.00	0.00	0.2734	0.3178
CB6.1	POLYLV_B	Fall	4.67	-0.50	-74.99	-3.50	0.1297	0.0781

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute	Homogeneity	
						Change	Test p Value	p Value
CB6.1	POLYLV_B	SAV1	6.00	0.00	0.00	0.00	0.0768	1.0000
CB6.1	POLYLV_B	SAV2	6.18	-0.06	-7.14	-0.44	0.0972	0.5676
CB6.1	POLYLV_B	Spring1	8.50	0.33	27.42	2.33	0.1891	0.2411
CB6.1	POLYLV_B	Spring2	10.08	0.29	20.27	2.04	0.1777	0.3064
CB6.1	POLYLV_B	Summer1	2.44	0.00	0.00	0.00	0.7241	0.7100
CB6.1	POLYLV_B	Summer2	1.50	0.00	0.00	0.00	0.5451	0.6220
CB6.1	POLYLV_B	Winter	0.75	0.00	0.00	0.00	0.6402	0.2876
CB6.1	BARNNAUP	Annual	0.79	0.00	0.00	0.00	0.8411	0.9017
CB6.1	BARNNAUP	Fall	2.17	0.00	0.00	0.00	0.2629	0.5242
CB6.1	BARNNAUP	SAV1	0.42	0.00	0.00	0.00	0.8890	0.4229
CB6.1	BARNNAUP	SAV2	0.21	0.00	0.00	0.00	0.9673	0.8013
CB6.1	BARNNAUP	Spring1	0.50	0.00	0.00	0.00	0.5167	0.4075
CB6.1	BARNNAUP	Spring2	0.33	0.00	0.00	0.00	0.6360	0.9259
CB6.1	BARNNAUP	Summer1	0.13	0.00	0.00	0.00	0.6509	1.0000
CB6.1	BARNNAUP	Summer2	0.17	0.00	0.00	0.00	0.6509	1.0000
CB6.1	BARNNAUP	Winter	0.50	0.00	0.00	0.00	0.9294	0.9285
CB6.1	BARNAU_B	Annual	0.79	0.00	0.00	0.00	0.8411	0.9017
CB6.1	BARNAU_B	Fall	2.17	0.00	0.00	0.00	0.2629	0.5242
CB6.1	BARNAU_B	SAV1	0.42	0.00	0.00	0.00	0.8890	0.4229
CB6.1	BARNAU_B	SAV2	0.21	0.00	0.00	0.00	0.9673	0.8013
CB6.1	BARNAU_B	Spring1	0.50	0.00	0.00	0.00	0.5167	0.4075
CB6.1	BARNAU_B	Spring2	0.33	0.00	0.00	0.00	0.6360	0.9259
CB6.1	BARNAU_B	Summer1	0.13	0.00	0.00	0.00	0.6509	1.0000
CB6.1	BARNAU_B	Summer2	0.17	0.00	0.00	0.00	0.6509	1.0000
CB6.1	BARNAU_B	Winter	0.50	0.00	0.00	0.00	0.9294	0.9285
CB6.4	TOTMCZA	Annual	4633.44	-280.13	-42.32	-1960.88	0.4011	0.0098
CB6.4	TOTMCZA	Fall	4774.33	-303.55	-44.51	-2124.85	0.4073	0.0574
CB6.4	TOTMCZA	SAV1	5346.44	-155.06	-20.30	-1085.44	0.2892	0.4074
CB6.4	TOTMCZA	SAV2	5190.89	-392.21	-52.89	-2745.46	0.2758	0.0337
CB6.4	TOTMCZA	Spring1	7754.67	-409.91	-31.72	-2459.48	0.1561	0.2531
CB6.4	TOTMCZA	Spring2	7294.33	-964.85	-79.36	-5789.10	0.2880	0.0633
CB6.4	TOTMCZA	Summer1	2597.80	-347.99	-93.77	-2435.92	0.1840	0.1949
CB6.4	TOTMCZA	Summer2	3084.00	-202.00	-45.85	-1414.00	0.0931	0.3481
CB6.4	TOTMCZA	Winter	4618.00	-103.10	-13.40	-618.60	0.4572	0.5039
CB6.4	TOTMCZB	Annual	35.76	-0.44	-8.69	-3.11	0.3020	0.3524
CB6.4	TOTMCZB	Fall	39.64	1.61	28.47	11.28	0.4060	0.5265
CB6.4	TOTMCZB	SAV1	42.83	0.36	5.95	2.55	0.3616	0.8539
CB6.4	TOTMCZB	SAV2	37.54	-1.69	-31.59	-11.86	0.3220	0.1568
CB6.4	TOTMCZB	Spring1	41.84	-0.62	-8.95	-3.74	0.1801	0.6682
CB6.4	TOTMCZB	Spring2	44.42	-2.18	-29.49	-13.10	0.1801	0.1985
CB6.4	TOTMCZB	Summer1	27.32	-1.78	-45.59	-12.45	0.2717	0.2888
CB6.4	TOTMCZB	Summer2	28.47	-0.83	-20.33	-5.79	0.1850	0.5919
CB6.4	TOTMCZB	Winter	36.12	-0.66	-11.03	-3.98	0.3206	0.2145
CB6.4	COPENAUP	Annual	96.81	-1.50	-10.85	-10.50	0.5886	0.1891
CB6.4	COPENAUP	Fall	92.83	0.38	2.83	2.63	0.4980	0.8490
CB6.4	COPENAUP	SAV1	128.44	-2.65	-14.42	-18.52	0.4304	0.1975
CB6.4	COPENAUP	SAV2	125.44	-2.90	-16.18	-20.30	0.4566	0.2882
CB6.4	COPENAUP	Spring1	42.33	-0.52	-7.38	-3.13	0.4158	0.8864
CB6.4	COPENAUP	Spring2	64.67	-0.52	-4.83	-3.13	0.4158	0.8864

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
CB6.4	COPENAUP	Summer1	165.60	-7.96	-33.64	-55.71	0.3155	0.1573
CB6.4	COPENAUP	Summer2	175.00	-6.71	-26.83	-46.96	0.1713	0.2277
CB6.4	COPENAUP	Winter	18.50	-1.00	-32.43	-6.00	0.6273	0.1432
CB6.4	COPENP_B	Annual	6.87	-0.11	-10.90	-0.75	0.5886	0.1891
CB6.4	COPENP_B	Fall	6.59	0.03	2.87	0.19	0.4980	0.8490
CB6.4	COPENP_B	SAV1	9.12	-0.19	-14.43	-1.32	0.4304	0.1975
CB6.4	COPENP_B	SAV2	8.91	-0.21	-16.19	-1.44	0.4566	0.2882
CB6.4	COPENP_B	Spring1	3.01	-0.04	-7.39	-0.22	0.4158	0.8864
CB6.4	COPENP_B	Spring2	4.59	-0.04	-4.84	-0.22	0.4158	0.8864
CB6.4	COPENP_B	Summer1	11.76	-0.57	-33.64	-3.96	0.3155	0.1573
CB6.4	COPENP_B	Summer2	12.43	-0.48	-26.82	-3.33	0.1713	0.2277
CB6.4	COPENP_B	Winter	1.31	-0.07	-32.42	-0.43	0.6273	0.1432
CB6.4	ROTIFERS	Annual	49.38	4.00	56.71	28.00	0.6505	0.0049
CB6.4	ROTIFERS	Fall	62.00	19.85	224.11	138.95	0.9447	0.0363
CB6.4	ROTIFERS	SAV1	43.11	9.54	154.93	66.79	0.9426	0.0075
CB6.4	ROTIFERS	SAV2	26.89	4.25	110.64	29.75	0.9237	0.0023
CB6.4	ROTIFERS	Spring1	15.00	6.13	245.00	36.75	0.7828	0.1985
CB6.4	ROTIFERS	Spring2	6.00	6.13	612.50	36.75	0.7308	0.0284
CB6.4	ROTIFERS	Summer1	15.40	3.42	155.32	23.92	0.6246	0.0136
CB6.4	ROTIFERS	Summer2	19.25	3.42	124.25	23.92	0.5406	0.0685
CB6.4	ROTIFERS	Winter	148.00	-12.13	-49.16	-72.75	0.6940	0.2935
CB6.4	ROTIFR_B	Annual	4.05	0.33	56.71	2.30	0.6505	0.0049
CB6.4	ROTIFR_B	Fall	5.08	1.63	224.15	11.40	0.9447	0.0363
CB6.4	ROTIFR_B	SAV1	3.54	0.78	154.85	5.47	0.9426	0.0075
CB6.4	ROTIFR_B	SAV2	2.21	0.35	110.79	2.44	0.9237	0.0023
CB6.4	ROTIFR_B	Spring1	1.23	0.50	244.88	3.01	0.7828	0.1985
CB6.4	ROTIFR_B	Spring2	0.49	0.50	612.20	3.01	0.7308	0.0284
CB6.4	ROTIFR_B	Summer1	1.26	0.28	155.19	1.96	0.6246	0.0136
CB6.4	ROTIFR_B	Summer2	1.58	0.28	124.13	1.96	0.5406	0.0685
CB6.4	ROTIFR_B	Winter	12.14	-0.99	-49.14	-5.96	0.6940	0.2935
CB6.4	OLIGTRCH	Annual	2218.50	-150.63	-47.53	-1054.38	0.6536	0.0252
CB6.4	OLIGTRCH	Fall	3267.33	-182.05	-39.00	-1274.34	0.7643	0.0574
CB6.4	OLIGTRCH	SAV1	2875.67	-146.42	-35.64	-1024.92	0.4775	0.0975
CB6.4	OLIGTRCH	SAV2	2270.56	-219.63	-67.71	-1537.38	0.6180	0.0337
CB6.4	OLIGTRCH	Spring1	3166.00	-309.15	-58.59	-1854.88	0.4700	0.0455
CB6.4	OLIGTRCH	Spring2	3125.33	-627.17	-120.40	-3763.00	0.8322	0.0101
CB6.4	OLIGTRCH	Summer1	790.00	-149.31	-132.30	-1045.19	0.4867	0.4094
CB6.4	OLIGTRCH	Summer2	867.25	-106.14	-85.67	-743.00	0.4368	0.7887
CB6.4	OLIGTRCH	Winter	1222.00	114.50	56.22	687.00	0.6754	0.5039
CB6.4	OLIGTR_B	Annual	11.54	-0.78	-47.51	-5.48	0.6536	0.0252
CB6.4	OLIGTR_B	Fall	16.99	-0.95	-39.02	-6.63	0.7643	0.0574
CB6.4	OLIGTR_B	SAV1	14.95	-0.76	-35.62	-5.33	0.4775	0.0975
CB6.4	OLIGTR_B	SAV2	11.81	-1.14	-67.71	-7.99	0.6180	0.0337
CB6.4	OLIGTR_B	Spring1	16.46	-1.61	-58.60	-9.65	0.4700	0.0455
CB6.4	OLIGTR_B	Spring2	16.25	-3.26	-120.39	-19.57	0.8322	0.0101
CB6.4	OLIGTR_B	Summer1	4.11	-0.78	-132.23	-5.43	0.4867	0.4094
CB6.4	OLIGTR_B	Summer2	4.51	-0.55	-85.68	-3.86	0.4368	0.7887
CB6.4	OLIGTR_B	Winter	6.35	0.60	56.19	3.57	0.6754	0.5039
CB6.4	MCZCLAD	Annual	0.25	0.00	0.00	0.00	0.7576	0.0641

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
CB6.4	MCZCLAD	Fall	0.00	0.00	ne	0.00	ne	ne
CB6.4	MCZCLAD	SAV1	0.00	0.00	ne	0.00	ne	0.2752
CB6.4	MCZCLAD	SAV2	0.44	0.00	0.00	0.00	0.7576	0.0641
CB6.4	MCZCLAD	Spring1	0.00	0.00	ne	0.00	ne	0.2752
CB6.4	MCZCLAD	Spring2	1.33	0.00	0.00	0.00	0.7576	0.0641
CB6.4	MCZCLAD	Summer1	0.80	0.00	0.00	0.00	ne	0.1266
CB6.4	MCZCLAD	Summer2	0.00	0.00	ne	0.00	ne	ne
CB6.4	MCZCLAD	Winter	0.00	0.00	ne	0.00	ne	ne
CB6.4	MCZCLADB	Annual	0.25	0.00	0.00	0.00	0.7576	0.0641
CB6.4	MCZCLADB	Fall	0.00	0.00	ne	0.00	ne	ne
CB6.4	MCZCLADB	SAV1	0.00	0.00	ne	0.00	ne	0.2752
CB6.4	MCZCLADB	SAV2	0.44	0.00	0.00	0.00	0.7576	0.0641
CB6.4	MCZCLADB	Spring1	0.00	0.00	ne	0.00	ne	0.2752
CB6.4	MCZCLADB	Spring2	1.33	0.00	0.00	0.00	0.7576	0.0641
CB6.4	MCZCLADB	Summer1	0.80	0.00	0.00	0.00	ne	0.1266
CB6.4	MCZCLADB	Summer2	0.00	0.00	ne	0.00	ne	ne
CB6.4	MCZCLADB	Winter	0.00	0.00	ne	0.00	ne	ne
CB6.4	TINTINID	Annual	2262.69	-80.13	-24.79	-560.88	0.1759	0.0356
CB6.4	TINTINID	Fall	1345.50	-94.06	-48.94	-658.44	0.3919	0.1635
CB6.4	TINTINID	SAV1	2291.33	-16.85	-5.15	-117.95	0.1673	0.7824
CB6.4	TINTINID	SAV2	2762.22	-32.81	-8.32	-229.69	0.0965	0.4789
CB6.4	TINTINID	Spring1	4524.67	-124.00	-16.44	-744.00	0.2765	0.1985
CB6.4	TINTINID	Spring2	4088.33	-307.00	-45.06	-1842.00	0.2880	0.1531
CB6.4	TINTINID	Summer1	1621.80	5.95	2.57	41.65	0.0625	0.9062
CB6.4	TINTINID	Summer2	2019.00	62.20	21.57	435.40	0.0363	0.5919
CB6.4	TINTINID	Winter	3223.50	-153.50	-28.57	-921.00	0.7880	0.0281
CB6.4	TINTIN_B	Annual	7.24	-0.26	-24.75	-1.79	0.1759	0.0356
CB6.4	TINTIN_B	Fall	4.31	-0.30	-48.93	-2.11	0.3919	0.1635
CB6.4	TINTIN_B	SAV1	7.33	-0.05	-5.16	-0.38	0.1673	0.7824
CB6.4	TINTIN_B	SAV2	8.84	-0.11	-8.32	-0.74	0.0965	0.4789
CB6.4	TINTIN_B	Spring1	14.48	-0.40	-16.45	-2.38	0.2765	0.1985
CB6.4	TINTIN_B	Spring2	13.08	-0.98	-45.04	-5.89	0.2880	0.1531
CB6.4	TINTIN_B	Summer1	5.19	0.02	2.56	0.13	0.0625	0.9062
CB6.4	TINTIN_B	Summer2	6.46	0.20	21.56	1.39	0.0363	0.5919
CB6.4	TINTIN_B	Winter	10.32	-0.49	-28.56	-2.95	0.7880	0.0281
CB6.4	SARCOD_B	Annual	0.00	0.00	ne	0.00	0.7483	0.4110
CB6.4	SARCODIN	Annual	0.00	0.00	ne	0.00	0.7483	0.4110
CB6.4	SARCOD_B	Fall	0.00	0.00	ne	0.00	0.8474	0.6820
CB6.4	SARCODIN	Fall	0.00	0.00	ne	0.00	0.8474	0.6820
CB6.4	SARCOD_B	SAV1	0.00	0.00	ne	0.00	0.5109	0.3173
CB6.4	SARCODIN	SAV1	0.00	0.00	ne	0.00	0.5109	0.3173
CB6.4	SARCOD_B	SAV2	0.00	0.00	ne	0.00	0.2945	0.5764
CB6.4	SARCODIN	SAV2	0.00	0.00	ne	0.00	0.2945	0.5764
CB6.4	SARCOD_B	Spring1	0.00	0.00	ne	0.00	ne	ne
CB6.4	SARCODIN	Spring1	0.00	0.00	ne	0.00	ne	ne
CB6.4	SARCOD_B	Spring2	0.00	0.00	ne	0.00	ne	ne
CB6.4	SARCODIN	Spring2	0.00	0.00	ne	0.00	ne	ne
CB6.4	SARCOD_B	Summer1	0.00	0.00	ne	0.00	0.1341	0.3948
CB6.4	SARCODIN	Summer1	0.00	0.00	ne	0.00	0.1341	0.3948

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
CB6.4	SARCOD_B	Summer2	0.00	0.00	ne	0.00	0.1341	0.3948
CB6.4	SARCODIN	Summer2	0.00	0.00	ne	0.00	0.1341	0.3948
CB6.4	SARCOD_B	Winter	0.00	0.00	ne	0.00	ne	1.0000
CB6.4	SARCODIN	Winter	0.00	0.00	ne	0.00	ne	1.0000
CB6.4	POLYLARV	Annual	5.19	-0.25	-33.73	-1.75	0.4062	0.0338
CB6.4	POLYLARV	Fall	6.33	-0.23	-24.87	-1.58	0.0321	0.4436
CB6.4	POLYLARV	SAV1	7.33	-0.25	-23.86	-1.75	0.4367	0.2069
CB6.4	POLYLARV	SAV2	5.11	-0.35	-48.48	-2.48	0.5644	0.0138
CB6.4	POLYLARV	Spring1	5.67	0.04	4.45	0.25	1.0000	0.6628
CB6.4	POLYLARV	Spring2	8.00	0.00	0.00	0.00	0.6480	0.8279
CB6.4	POLYLARV	Summer1	4.20	-0.33	-55.50	-2.33	0.9724	0.0222
CB6.4	POLYLARV	Summer2	3.50	-0.32	-63.40	-2.22	0.9354	0.0339
CB6.4	POLYLARV	Winter	3.50	-0.25	-42.86	-1.50	0.9183	0.0939
CB6.4	POLYLV_B	Annual	5.19	-0.25	-33.73	-1.75	0.4062	0.0338
CB6.4	POLYLV_B	Fall	6.33	-0.23	-24.87	-1.58	0.0321	0.4436
CB6.4	POLYLV_B	SAV1	7.33	-0.25	-23.86	-1.75	0.4367	0.2069
CB6.4	POLYLV_B	SAV2	5.11	-0.35	-48.48	-2.48	0.5644	0.0138
CB6.4	POLYLV_B	Spring1	5.67	0.04	4.45	0.25	1.0000	0.6628
CB6.4	POLYLV_B	Spring2	8.00	0.00	0.00	0.00	0.6480	0.8279
CB6.4	POLYLV_B	Summer1	4.20	-0.33	-55.50	-2.33	0.9724	0.0222
CB6.4	POLYLV_B	Summer2	3.50	-0.32	-63.40	-2.22	0.9354	0.0339
CB6.4	POLYLV_B	Winter	3.50	-0.25	-42.86	-1.50	0.9183	0.0939
CB6.4	BARNNAUP	Annual	0.63	0.00	0.00	0.00	0.4711	0.0759
CB6.4	BARNNAUP	Fall	0.33	0.00	0.00	0.00	0.2996	0.8279
CB6.4	BARNNAUP	SAV1	0.56	0.00	0.00	0.00	0.7848	0.0394
CB6.4	BARNNAUP	SAV2	0.22	0.00	0.00	0.00	0.5045	0.4153
CB6.4	BARNNAUP	Spring1	1.00	0.00	0.00	0.00	0.7944	0.0266
CB6.4	BARNNAUP	Spring2	0.67	0.00	0.00	0.00	0.2767	0.2281
CB6.4	BARNNAUP	Summer1	0.00	0.00	ne	0.00	0.8122	0.5919
CB6.4	BARNNAUP	Summer2	0.00	0.00	ne	0.00	0.6380	0.8055
CB6.4	BARNNAUP	Winter	2.50	-0.20	-48.00	-1.20	0.3806	0.0941
CB6.4	BARNAU_B	Annual	0.63	0.00	0.00	0.00	0.4711	0.0759
CB6.4	BARNAU_B	Fall	0.33	0.00	0.00	0.00	0.2996	0.8279
CB6.4	BARNAU_B	SAV1	0.56	0.00	0.00	0.00	0.7848	0.0394
CB6.4	BARNAU_B	SAV2	0.22	0.00	0.00	0.00	0.5045	0.4153
CB6.4	BARNAU_B	Spring1	1.00	0.00	0.00	0.00	0.7944	0.0266
CB6.4	BARNAU_B	Spring2	0.67	0.00	0.00	0.00	0.2767	0.2281
CB6.4	BARNAU_B	Summer1	0.00	0.00	ne	0.00	0.8122	0.5919
CB6.4	BARNAU_B	Summer2	0.00	0.00	ne	0.00	0.6380	0.8055
CB6.4	BARNAU_B	Winter	2.50	-0.20	-48.00	-1.20	0.3806	0.0941
CB7.4	TOTMCZA	Annual	5180.38	-24.25	-3.28	-169.75	0.2035	0.8531
CB7.4	TOTMCZA	Fall	3551.33	-77.73	-15.32	-544.10	0.2598	0.7180
CB7.4	TOTMCZA	SAV1	6469.58	-51.92	-5.62	-363.42	0.2977	0.6626
CB7.4	TOTMCZA	SAV2	5485.29	109.08	13.92	763.58	0.2122	0.2273
CB7.4	TOTMCZA	Spring1	9564.17	-325.92	-23.85	-2281.42	0.8396	0.0762
CB7.4	TOTMCZA	Spring2	9088.00	-214.21	-16.50	-1499.46	0.3854	0.2543
CB7.4	TOTMCZA	Summer1	2729.00	200.13	51.33	1400.88	0.8869	0.0286
CB7.4	TOTMCZA	Summer2	2916.00	185.13	44.44	1295.88	0.9856	0.0222
CB7.4	TOTMCZA	Winter	5951.00	-284.18	-33.43	-1989.25	0.1756	0.2644

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
CB7.4	TOTMCZB	Annual	40.17	-0.95	-16.48	-6.62	0.9198	0.0957
CB7.4	TOTMCZB	Fall	31.79	-0.76	-16.82	-5.35	0.6664	0.6301
CB7.4	TOTMCZB	SAV1	45.36	-0.84	-12.99	-5.89	0.8678	0.2566
CB7.4	TOTMCZB	SAV2	47.78	-0.84	-12.31	-5.88	0.7973	0.4688
CB7.4	TOTMCZB	Spring1	54.83	-1.22	-15.56	-8.53	0.9473	0.0996
CB7.4	TOTMCZB	Spring2	63.13	-2.04	-22.60	-14.27	0.9602	0.0762
CB7.4	TOTMCZB	Summer1	40.55	-0.43	-7.37	-2.99	0.7384	0.8348
CB7.4	TOTMCZB	Summer2	38.52	0.46	8.36	3.22	0.9575	0.7180
CB7.4	TOTMCZB	Winter	29.99	-1.70	-39.57	-11.87	0.2382	0.2021
CB7.4	COPENAUP	Annual	122.83	-5.38	-30.63	-37.63	0.4245	0.0041
CB7.4	COPENAUP	Fall	123.83	-6.22	-35.15	-43.53	0.0543	0.0710
CB7.4	COPENAUP	SAV1	146.92	-11.86	-56.49	-83.00	0.8739	0.0002
CB7.4	COPENAUP	SAV2	163.14	-9.12	-39.14	-63.85	0.2968	0.0242
CB7.4	COPENAUP	Spring1	101.67	-8.18	-56.31	-57.25	0.8000	0.0427
CB7.4	COPENAUP	Spring2	104.33	-6.52	-43.73	-45.63	0.2641	0.3109
CB7.4	COPENAUP	Summer1	178.00	-1.46	-5.75	-10.24	0.4812	0.6022
CB7.4	COPENAUP	Summer2	203.00	-3.79	-13.08	-26.54	0.4916	0.3355
CB7.4	COPENAUP	Winter	42.75	-3.56	-58.34	-24.94	0.4601	0.0930
CB7.4	COPENP_B	Annual	8.72	-0.38	-30.66	-2.67	0.4245	0.0041
CB7.4	COPENP_B	Fall	8.79	-0.44	-35.19	-3.09	0.0543	0.0710
CB7.4	COPENP_B	SAV1	10.43	-0.84	-56.50	-5.89	0.8739	0.0002
CB7.4	COPENP_B	SAV2	11.58	-0.65	-39.16	-4.54	0.2968	0.0242
CB7.4	COPENP_B	Spring1	7.22	-0.58	-56.35	-4.07	0.8000	0.0427
CB7.4	COPENP_B	Spring2	7.41	-0.46	-43.75	-3.24	0.2641	0.3109
CB7.4	COPENP_B	Summer1	12.64	-0.10	-5.76	-0.73	0.4812	0.6022
CB7.4	COPENP_B	Summer2	14.41	-0.27	-13.06	-1.88	0.4916	0.3355
CB7.4	COPENP_B	Winter	3.04	-0.25	-58.35	-1.77	0.4601	0.0930
CB7.4	ROTIFERS	Annual	27.88	1.79	45.00	12.54	0.5936	0.0020
CB7.4	ROTIFERS	Fall	54.67	4.35	55.70	30.45	0.1835	0.2786
CB7.4	ROTIFERS	SAV1	17.92	4.25	166.04	29.75	0.8573	0.0010
CB7.4	ROTIFERS	SAV2	11.86	2.71	159.87	18.96	0.8788	0.0002
CB7.4	ROTIFERS	Spring1	9.83	2.55	181.53	17.85	0.4975	0.0090
CB7.4	ROTIFERS	Spring2	11.67	2.55	153.00	17.85	0.6972	0.0037
CB7.4	ROTIFERS	Summer1	14.00	1.00	50.00	7.00	0.7643	0.0277
CB7.4	ROTIFERS	Summer2	13.50	1.75	90.74	12.25	0.5619	0.0562
CB7.4	ROTIFERS	Winter	42.50	-0.03	-0.51	-0.22	0.8137	0.9363
CB7.4	ROTIFR_B	Annual	2.29	0.15	45.01	1.03	0.5936	0.0020
CB7.4	ROTIFR_B	Fall	4.48	0.36	55.74	2.50	0.1835	0.2786
CB7.4	ROTIFR_B	SAV1	1.47	0.35	165.83	2.44	0.8573	0.0010
CB7.4	ROTIFR_B	SAV2	0.97	0.22	159.88	1.55	0.8788	0.0002
CB7.4	ROTIFR_B	Spring1	0.81	0.21	181.51	1.46	0.4975	0.0090
CB7.4	ROTIFR_B	Spring2	0.96	0.21	152.87	1.46	0.6972	0.0037
CB7.4	ROTIFR_B	Summer1	1.15	0.08	50.00	0.57	0.7643	0.0277
CB7.4	ROTIFR_B	Summer2	1.11	0.14	91.06	1.01	0.5619	0.0562
CB7.4	ROTIFR_B	Winter	3.49	0.00	-0.60	-0.02	0.8137	0.9363
CB7.4	OLIGTRCH	Annual	1965.08	68.92	24.55	482.42	0.8205	0.3547
CB7.4	OLIGTRCH	Fall	1782.17	-26.68	-10.48	-186.75	0.5682	0.7180
CB7.4	OLIGTRCH	SAV1	2571.67	7.44	2.02	52.07	0.9083	0.7271
CB7.4	OLIGTRCH	SAV2	2139.21	140.58	46.00	984.08	0.6114	0.1712

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
CB7.4	OLIGTRCH	Spring1	3378.67	-4.64	-0.96	-32.50	0.7126	1.0000
CB7.4	OLIGTRCH	Spring2	3393.17	-114.35	-23.59	-800.42	0.9730	0.6124
CB7.4	OLIGTRCH	Summer1	1286.63	238.82	129.93	1671.76	0.4973	0.0763
CB7.4	OLIGTRCH	Summer2	1282.83	325.00	177.34	2275.00	0.6762	0.0302
CB7.4	OLIGTRCH	Winter	1476.00	39.83	18.89	278.83	0.8828	0.8733
CB7.4	OLIGTR_B	Annual	10.22	0.36	24.53	2.51	0.8205	0.3547
CB7.4	OLIGTR_B	Fall	9.27	-0.14	-10.50	-0.97	0.5682	0.7180
CB7.4	OLIGTR_B	SAV1	13.37	0.04	2.04	0.27	0.9083	0.7271
CB7.4	OLIGTR_B	SAV2	11.12	0.73	46.00	5.12	0.6114	0.1712
CB7.4	OLIGTR_B	Spring1	17.57	-0.02	-0.96	-0.17	0.7126	1.0000
CB7.4	OLIGTR_B	Spring2	17.64	-0.60	-23.61	-4.17	0.9730	0.6124
CB7.4	OLIGTR_B	Summer1	6.69	1.24	129.96	8.69	0.4973	0.0763
CB7.4	OLIGTR_B	Summer2	6.67	1.69	177.33	11.83	0.6762	0.0302
CB7.4	OLIGTR_B	Winter	7.68	0.21	18.88	1.45	0.8828	0.8733
CB7.4	MCZCLAD	Annual	2.17	0.00	0.00	0.00	0.1690	0.2654
CB7.4	MCZCLAD	Fall	0.17	0.00	0.00	0.00	0.5203	0.3973
CB7.4	MCZCLAD	SAV1	0.75	0.00	0.00	0.00	0.1413	0.5498
CB7.4	MCZCLAD	SAV2	3.71	0.00	0.00	0.00	0.2818	0.1241
CB7.4	MCZCLAD	Spring1	0.67	0.00	0.00	0.00	ne	0.1266
CB7.4	MCZCLAD	Spring2	3.83	0.00	0.00	0.00	0.9161	0.0504
CB7.4	MCZCLAD	Summer1	5.88	0.00	0.00	0.00	0.1973	0.1368
CB7.4	MCZCLAD	Summer2	4.67	0.00	0.00	0.00	0.1362	0.4054
CB7.4	MCZCLAD	Winter	0.00	0.00	ne	0.00	ne	ne
CB7.4	MCZCLADB	Annual	2.17	0.00	0.00	0.00	0.1690	0.2654
CB7.4	MCZCLADB	Fall	0.17	0.00	0.00	0.00	0.5203	0.3973
CB7.4	MCZCLADB	SAV1	0.75	0.00	0.00	0.00	0.1413	0.5498
CB7.4	MCZCLADB	SAV2	3.71	0.00	0.00	0.00	0.2818	0.1241
CB7.4	MCZCLADB	Spring1	0.67	0.00	0.00	0.00	ne	0.1266
CB7.4	MCZCLADB	Spring2	3.83	0.00	0.00	0.00	0.9161	0.0504
CB7.4	MCZCLADB	Summer1	5.88	0.00	0.00	0.00	0.1973	0.1368
CB7.4	MCZCLADB	Summer2	4.67	0.00	0.00	0.00	0.1362	0.4054
CB7.4	MCZCLADB	Winter	0.00	0.00	ne	0.00	ne	ne
CB7.4	TINTINID	Annual	3055.21	-88.75	-20.33	-621.25	0.3404	0.0080
CB7.4	TINTINID	Fall	1586.17	-112.91	-49.83	-790.34	0.7376	0.1486
CB7.4	TINTINID	SAV1	3724.92	-115.00	-21.61	-805.00	0.5647	0.0448
CB7.4	TINTINID	SAV2	3156.86	-9.39	-2.08	-65.74	0.6035	0.6873
CB7.4	TINTINID	Spring1	6064.17	-186.17	-21.49	-1303.17	0.4011	0.0313
CB7.4	TINTINID	Spring2	5559.50	-105.00	-13.22	-735.00	0.8663	0.1285
CB7.4	TINTINID	Summer1	1233.88	27.98	15.88	195.88	0.2963	0.8348
CB7.4	TINTINID	Summer2	1404.33	50.54	25.19	353.79	0.5362	0.3355
CB7.4	TINTINID	Winter	4388.00	-165.64	-26.42	-1159.49	0.4550	0.0107
CB7.4	TINTIN_B	Annual	9.78	-0.28	-20.33	-1.99	0.3404	0.0080
CB7.4	TINTIN_B	Fall	5.08	-0.36	-49.78	-2.53	0.7376	0.1486
CB7.4	TINTIN_B	SAV1	11.92	-0.37	-21.61	-2.58	0.5647	0.0448
CB7.4	TINTIN_B	SAV2	10.10	-0.03	-2.08	-0.21	0.6035	0.6873
CB7.4	TINTIN_B	Spring1	19.41	-0.60	-21.50	-4.17	0.4011	0.0313
CB7.4	TINTIN_B	Spring2	17.79	-0.34	-13.22	-2.35	0.8663	0.1285
CB7.4	TINTIN_B	Summer1	3.95	0.09	15.96	0.63	0.2963	0.8348
CB7.4	TINTIN_B	Summer2	4.49	0.16	25.23	1.13	0.5362	0.3355

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute	Homogeneity	
						Change	Test p Value	p Value
CB7.4	TINTIN_B	Winter	14.04	-0.53	-26.42	-3.71	0.4550	0.0107
CB7.4	SARCOD_B	Annual	0.00	0.00	0.00	0.00	0.0986	0.0926
CB7.4	SARCODIN	Annual	0.21	0.00	0.00	0.00	0.0986	0.0926
CB7.4	SARCOD_B	Fall	0.00	0.00	0.00	0.00	0.8282	0.8282
CB7.4	SARCODIN	Fall	0.33	0.00	0.00	0.00	0.8282	0.8282
CB7.4	SARCOD_B	SAV1	0.00	0.00	ne	0.00	0.4691	0.1509
CB7.4	SARCODIN	SAV1	0.00	0.00	ne	0.00	0.4691	0.1509
CB7.4	SARCOD_B	SAV2	0.00	0.00	0.00	0.00	0.0545	0.0334
CB7.4	SARCODIN	SAV2	0.21	0.00	0.00	0.00	0.0545	0.0334
CB7.4	SARCOD_B	Spring1	0.00	0.00	ne	0.00	ne	0.0597
CB7.4	SARCODIN	Spring1	0.00	0.00	ne	0.00	ne	0.0597
CB7.4	SARCOD_B	Spring2	0.00	0.00	ne	0.00	0.8377	0.0041
CB7.4	SARCODIN	Spring2	0.00	0.00	ne	0.00	0.8377	0.0041
CB7.4	SARCOD_B	Summer1	0.00	0.00	0.00	0.00	0.0188	0.1356
CB7.4	SARCODIN	Summer1	0.38	0.00	0.00	0.00	0.0188	0.1356
CB7.4	SARCOD_B	Summer2	0.01	0.00	0.00	0.00	0.0285	1.0000
CB7.4	SARCODIN	Summer2	0.50	0.00	0.00	0.00	0.0285	1.0000
CB7.4	SARCOD_B	Winter	0.00	0.00	ne	0.00	ne	ne
CB7.4	SARCODIN	Winter	0.00	0.00	ne	0.00	ne	ne
CB7.4	POLYLARV	Annual	6.75	-0.23	-23.33	-1.58	0.6802	0.0004
CB7.4	POLYLARV	Fall	3.83	-0.33	-60.81	-2.33	0.7380	0.0115
CB7.4	POLYLARV	SAV1	7.17	-0.33	-32.52	-2.33	0.5097	0.0045
CB7.4	POLYLARV	SAV2	10.07	-0.50	-34.75	-3.50	0.7380	0.0008
CB7.4	POLYLARV	Spring1	9.00	0.00	0.00	0.00	0.4987	0.4627
CB7.4	POLYLARV	Spring2	15.33	-0.33	-15.20	-2.33	0.2640	0.0691
CB7.4	POLYLARV	Summer1	10.13	-0.82	-56.48	-5.72	0.8167	0.0021
CB7.4	POLYLARV	Summer2	7.00	-0.50	-50.00	-3.50	0.7320	0.0173
CB7.4	POLYLARV	Winter	1.00	0.00	0.00	0.00	0.2492	0.9304
CB7.4	POLYLV_B	Annual	6.75	-0.23	-23.33	-1.58	0.6802	0.0004
CB7.4	POLYLV_B	Fall	3.83	-0.33	-60.81	-2.33	0.7380	0.0115
CB7.4	POLYLV_B	SAV1	7.17	-0.33	-32.52	-2.33	0.5097	0.0045
CB7.4	POLYLV_B	SAV2	10.07	-0.50	-34.75	-3.50	0.7380	0.0008
CB7.4	POLYLV_B	Spring1	9.00	0.00	0.00	0.00	0.4987	0.4627
CB7.4	POLYLV_B	Spring2	15.33	-0.33	-15.20	-2.33	0.2640	0.0691
CB7.4	POLYLV_B	Summer1	10.13	-0.82	-56.48	-5.72	0.8167	0.0021
CB7.4	POLYLV_B	Summer2	7.00	-0.50	-50.00	-3.50	0.7320	0.0173
CB7.4	POLYLV_B	Winter	1.00	0.00	0.00	0.00	0.2492	0.9304
CB7.4	BARNNAUP	Annual	0.25	0.00	0.00	0.00	0.8421	0.6536
CB7.4	BARNNAUP	Fall	0.17	0.00	0.00	0.00	0.2592	0.5023
CB7.4	BARNNAUP	SAV1	0.25	0.00	0.00	0.00	0.4421	0.8991
CB7.4	BARNNAUP	SAV2	0.21	0.00	0.00	0.00	0.6318	0.8617
CB7.4	BARNNAUP	Spring1	0.17	0.00	0.00	0.00	0.9897	0.3900
CB7.4	BARNNAUP	Spring2	0.17	0.00	0.00	0.00	0.9938	0.3790
CB7.4	BARNNAUP	Summer1	0.13	0.00	0.00	0.00	0.7069	0.8131
CB7.4	BARNNAUP	Summer2	0.17	0.00	0.00	0.00	0.5834	0.5730
CB7.4	BARNNAUP	Winter	0.75	0.00	0.00	0.00	0.4251	0.4120
CB7.4	BARNAU_B	Annual	0.25	0.00	0.00	0.00	0.8421	0.6536
CB7.4	BARNAU_B	Fall	0.17	0.00	0.00	0.00	0.2592	0.5023
CB7.4	BARNAU_B	SAV1	0.25	0.00	0.00	0.00	0.4421	0.8991

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
CB7.4	BARNAU_B	SAV2	0.21	0.00	0.00	0.00	0.6318	0.8617
CB7.4	BARNAU_B	Spring1	0.17	0.00	0.00	0.00	0.9897	0.3900
CB7.4	BARNAU_B	Spring2	0.17	0.00	0.00	0.00	0.9938	0.3790
CB7.4	BARNAU_B	Summer1	0.13	0.00	0.00	0.00	0.7069	0.8131
CB7.4	BARNAU_B	Summer2	0.17	0.00	0.00	0.00	0.5834	0.5730
CB7.4	BARNAU_B	Winter	0.75	0.00	0.00	0.00	0.4251	0.4120
TF5.5	TOTMCZA	Annual	4595.04	48.67	7.41	340.69	0.9941	0.3506
TF5.5	TOTMCZA	Fall	5644.17	-91.88	-11.39	-643.13	0.9035	0.8097
TF5.5	TOTMCZA	SAV1	4033.00	23.38	4.06	163.63	0.7992	0.6095
TF5.5	TOTMCZA	SAV2	5838.64	75.90	9.10	531.27	0.9967	0.6935
TF5.5	TOTMCZA	Spring1	2966.67	66.61	15.72	466.29	0.4916	0.3355
TF5.5	TOTMCZA	Spring2	4750.50	64.42	9.49	450.94	0.9035	0.8097
TF5.5	TOTMCZA	Summer1	6954.00	238.83	24.04	1671.83	0.9765	0.6022
TF5.5	TOTMCZA	Summer2	7232.83	302.11	29.24	2114.79	0.9035	0.6301
TF5.5	TOTMCZA	Winter	746.00	44.89	42.12	314.25	0.8259	0.5059
TF5.5	TOTMCZB	Annual	102.75	2.28	15.51	15.94	0.8201	0.0259
TF5.5	TOTMCZB	Fall	119.19	-1.00	-5.85	-6.97	0.4987	1.0000
TF5.5	TOTMCZB	SAV1	85.81	2.28	18.58	15.94	0.6877	0.2685
TF5.5	TOTMCZB	SAV2	144.06	7.93	38.54	55.52	0.7036	0.0699
TF5.5	TOTMCZB	Spring1	28.41	2.37	58.46	16.61	0.8283	0.0919
TF5.5	TOTMCZB	Spring2	75.95	11.99	110.48	83.91	0.5362	0.0407
TF5.5	TOTMCZB	Summer1	194.16	10.21	36.80	71.44	0.3593	0.0953
TF5.5	TOTMCZB	Summer2	209.59	7.39	24.68	51.73	0.5682	0.4701
TF5.5	TOTMCZB	Winter	6.79	0.78	80.34	5.45	0.8828	0.3020
TF5.5	COPENAUP	Annual	58.46	0.79	9.48	5.54	0.0912	0.2513
TF5.5	COPENAUP	Fall	36.50	4.00	76.71	28.00	0.7852	0.1317
TF5.5	COPENAUP	SAV1	30.75	2.54	57.73	17.75	0.8373	0.0266
TF5.5	COPENAUP	SAV2	86.79	-0.88	-7.06	-6.13	0.0983	0.5026
TF5.5	COPENAUP	Spring1	22.50	2.03	63.19	14.22	0.6237	0.2054
TF5.5	COPENAUP	Spring2	75.33	-0.54	-5.04	-3.79	0.2598	0.7180
TF5.5	COPENAUP	Summer1	127.88	-4.46	-24.40	-31.21	0.0417	0.1444
TF5.5	COPENAUP	Summer2	116.83	-3.62	-21.68	-25.33	0.0234	0.3994
TF5.5	COPENAUP	Winter	6.50	0.93	100.05	6.50	0.3009	0.1353
TF5.5	COPENP_B	Annual	4.15	0.06	9.44	0.39	0.0912	0.2513
TF5.5	COPENP_B	Fall	2.59	0.28	76.70	1.99	0.7852	0.1317
TF5.5	COPENP_B	SAV1	2.18	0.18	57.72	1.26	0.8373	0.0266
TF5.5	COPENP_B	SAV2	6.16	-0.06	-7.04	-0.43	0.0983	0.5026
TF5.5	COPENP_B	Spring1	1.60	0.14	63.08	1.01	0.6237	0.2054
TF5.5	COPENP_B	Spring2	5.35	-0.04	-4.97	-0.27	0.2598	0.7180
TF5.5	COPENP_B	Summer1	9.08	-0.32	-24.44	-2.22	0.0417	0.1444
TF5.5	COPENP_B	Summer2	8.30	-0.26	-21.69	-1.80	0.0234	0.3994
TF5.5	COPENP_B	Winter	0.46	0.07	100.00	0.46	0.3009	0.1353
TF5.5	ROTIFERS	Annual	789.13	9.88	8.76	69.13	0.7785	0.0203
TF5.5	ROTIFERS	Fall	927.00	-0.63	-0.48	-4.43	0.5682	1.0000
TF5.5	ROTIFERS	SAV1	692.50	5.50	5.56	38.50	0.4609	0.2869
TF5.5	ROTIFERS	SAV2	1130.21	64.28	39.81	449.93	0.6364	0.0829
TF5.5	ROTIFERS	Spring1	152.67	16.16	74.08	113.09	0.5011	0.0466
TF5.5	ROTIFERS	Spring2	497.17	118.90	167.41	832.30	0.4707	0.0407
TF5.5	ROTIFERS	Summer1	1547.50	110.75	50.10	775.25	0.4503	0.1179

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
TF5.5	ROTIFERS	Summer2	1714.33	48.00	19.60	336.00	0.5935	0.4701
TF5.5	ROTIFERS	Winter	20.25	2.35	81.23	16.45	1.0000	0.2994
TF5.5	ROTIFR_B	Annual	64.71	0.81	8.76	5.67	0.7785	0.0203
TF5.5	ROTIFR_B	Fall	76.01	-0.05	-0.48	-0.36	0.5682	1.0000
TF5.5	ROTIFR_B	SAV1	56.79	0.45	5.56	3.16	0.4609	0.2869
TF5.5	ROTIFR_B	SAV2	92.68	5.27	39.81	36.90	0.6364	0.0829
TF5.5	ROTIFR_B	Spring1	12.52	1.33	74.09	9.28	0.5011	0.0466
TF5.5	ROTIFR_B	Spring2	40.77	9.75	167.41	68.25	0.4707	0.0407
TF5.5	ROTIFR_B	Summer1	126.90	9.08	50.10	63.57	0.4503	0.1179
TF5.5	ROTIFR_B	Summer2	140.58	3.94	19.60	27.55	0.5935	0.4701
TF5.5	ROTIFR_B	Winter	1.66	0.19	81.34	1.35	1.0000	0.2994
TF5.5	OLIGTRCH	Annual	2310.04	-107.31	-32.52	-751.19	0.7185	0.0541
TF5.5	OLIGTRCH	Fall	3081.67	-110.79	-25.17	-775.54	0.2060	0.2286
TF5.5	OLIGTRCH	SAV1	2100.75	-60.31	-20.10	-422.19	0.6443	0.1732
TF5.5	OLIGTRCH	SAV2	2579.93	-224.17	-60.82	-1569.17	0.7419	0.0829
TF5.5	OLIGTRCH	Spring1	2349.33	-43.67	-13.01	-305.67	0.9035	0.3994
TF5.5	OLIGTRCH	Spring2	2582.67	-173.74	-47.09	-1216.18	0.9035	0.3355
TF5.5	OLIGTRCH	Summer1	2639.88	-322.25	-85.45	-2255.75	0.7907	0.0371
TF5.5	OLIGTRCH	Summer2	3112.00	-391.88	-88.15	-2743.13	0.6664	0.0407
TF5.5	OLIGTRCH	Winter	434.00	46.42	74.87	324.92	0.6583	0.4610
TF5.5	OLIGTR_B	Annual	12.01	-0.56	-32.52	-3.91	0.7185	0.0541
TF5.5	OLIGTR_B	Fall	16.03	-0.58	-25.16	-4.03	0.2060	0.2286
TF5.5	OLIGTR_B	SAV1	10.92	-0.31	-20.12	-2.20	0.6443	0.1732
TF5.5	OLIGTR_B	SAV2	13.42	-1.17	-60.84	-8.16	0.7419	0.0829
TF5.5	OLIGTR_B	Spring1	12.22	-0.23	-13.01	-1.59	0.9035	0.3994
TF5.5	OLIGTR_B	Spring2	13.43	-0.90	-47.07	-6.32	0.9035	0.3355
TF5.5	OLIGTR_B	Summer1	13.73	-1.68	-85.47	-11.73	0.7907	0.0371
TF5.5	OLIGTR_B	Summer2	16.18	-2.04	-88.16	-14.27	0.6664	0.0407
TF5.5	OLIGTR_B	Winter	2.26	0.24	74.75	1.69	0.6583	0.4610
TF5.5	MCZCLAD	Annual	17.04	0.00	0.00	0.00	0.4682	0.5161
TF5.5	MCZCLAD	Fall	19.33	0.22	7.93	1.53	0.6160	0.8091
TF5.5	MCZCLAD	SAV1	11.83	0.00	0.00	0.00	0.8808	0.9258
TF5.5	MCZCLAD	SAV2	25.00	0.00	0.00	0.00	0.2113	0.2627
TF5.5	MCZCLAD	Spring1	0.50	0.00	0.00	0.00	0.8908	0.5097
TF5.5	MCZCLAD	Spring2	11.17	0.00	0.00	0.00	0.3942	0.8913
TF5.5	MCZCLAD	Summer1	35.75	-1.12	-21.95	-7.85	0.1036	0.1213
TF5.5	MCZCLAD	Summer2	36.83	-1.16	-21.95	-8.09	0.0501	0.2519
TF5.5	MCZCLAD	Winter	1.00	0.00	0.00	0.00	0.3863	0.7335
TF5.5	MCZCLADB	Annual	17.04	0.00	0.00	0.00	0.4682	0.5161
TF5.5	MCZCLADB	Fall	19.33	0.22	7.93	1.53	0.6160	0.8091
TF5.5	MCZCLADB	SAV1	11.83	0.00	0.00	0.00	0.8808	0.9258
TF5.5	MCZCLADB	SAV2	25.00	0.00	0.00	0.00	0.2113	0.2627
TF5.5	MCZCLADB	Spring1	0.50	0.00	0.00	0.00	0.8908	0.5097
TF5.5	MCZCLADB	Spring2	11.17	0.00	0.00	0.00	0.3942	0.8913
TF5.5	MCZCLADB	Summer1	35.75	-1.12	-21.95	-7.85	0.1036	0.1213
TF5.5	MCZCLADB	Summer2	36.83	-1.16	-21.95	-8.09	0.0501	0.2519
TF5.5	MCZCLADB	Winter	1.00	0.00	0.00	0.00	0.3863	0.7335
TF5.5	TINTINID	Annual	1420.08	59.90	29.53	419.30	0.9871	0.0350
TF5.5	TINTINID	Fall	1579.50	88.38	39.17	618.63	0.7376	0.4701

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute	Homogeneity	
						Change	Test p Value	p Value
TF5.5	TINTINID	SAV1	1196.92	62.21	36.38	435.46	0.8277	0.2016
TF5.5	TINTINID	SAV2	2016.36	133.38	46.30	933.63	0.9286	0.1803
TF5.5	TINTINID	Spring1	441.50	51.67	81.92	361.67	0.5849	0.3994
TF5.5	TINTINID	Spring2	1584.00	51.67	22.83	361.67	0.6762	0.4701
TF5.5	TINTINID	Summer1	2602.63	297.46	80.00	2082.21	0.9613	0.0763
TF5.5	TINTINID	Summer2	2252.33	271.79	84.47	1902.54	0.8777	0.1486
TF5.5	TINTINID	Winter	283.75	20.05	49.46	140.35	0.3737	0.4585
TF5.5	TINTIN_B	Annual	4.54	0.19	29.58	1.34	0.9871	0.0350
TF5.5	TINTIN_B	Fall	5.05	0.28	39.20	1.98	0.7376	0.4701
TF5.5	TINTIN_B	SAV1	3.83	0.20	36.37	1.39	0.8277	0.2016
TF5.5	TINTIN_B	SAV2	6.45	0.43	46.33	2.99	0.9286	0.1803
TF5.5	TINTIN_B	Spring1	1.41	0.17	81.74	1.16	0.5849	0.3994
TF5.5	TINTIN_B	Spring2	5.07	0.17	22.79	1.16	0.6762	0.4701
TF5.5	TINTIN_B	Summer1	8.33	0.95	80.02	6.66	0.9613	0.0763
TF5.5	TINTIN_B	Summer2	7.21	0.87	84.50	6.09	0.8777	0.1486
TF5.5	TINTIN_B	Winter	0.91	0.06	49.34	0.45	0.3737	0.4585
TF5.5	SARCOD_B	Annual	0.00	0.00	ne	0.00	0.9775	0.0429
TF5.5	SARCODIN	Annual	0.00	0.00	ne	0.00	0.9775	0.0429
TF5.5	SARCOD_B	Fall	0.00	0.00	ne	0.00	0.6995	0.1356
TF5.5	SARCODIN	Fall	0.00	0.00	ne	0.00	0.6995	0.1356
TF5.5	SARCOD_B	SAV1	0.00	0.00	ne	0.00	0.9476	0.0641
TF5.5	SARCODIN	SAV1	0.00	0.00	ne	0.00	0.9476	0.0641
TF5.5	SARCOD_B	SAV2	0.00	0.00	ne	0.00	0.8580	0.1190
TF5.5	SARCODIN	SAV2	0.00	0.00	ne	0.00	0.8580	0.1190
TF5.5	SARCOD_B	Spring1	0.00	0.00	ne	0.00	1.0000	0.2733
TF5.5	SARCODIN	Spring1	0.00	0.00	ne	0.00	1.0000	0.2733
TF5.5	SARCOD_B	Spring2	0.00	0.00	ne	0.00	1.0000	0.2733
TF5.5	SARCODIN	Spring2	0.00	0.00	ne	0.00	1.0000	0.2733
TF5.5	SARCOD_B	Summer1	0.00	0.00	ne	0.00	0.7842	0.7842
TF5.5	SARCODIN	Summer1	0.00	0.00	ne	0.00	0.7842	0.7842
TF5.5	SARCOD_B	Summer2	0.00	0.00	ne	0.00	0.7842	0.7842
TF5.5	SARCODIN	Summer2	0.00	0.00	ne	0.00	0.7842	0.7842
TF5.5	SARCOD_B	Winter	0.00	0.00	ne	0.00	ne	0.2453
TF5.5	SARCODIN	Winter	0.00	0.00	ne	0.00	ne	0.2453
TF5.5	POLYLARV	Annual	0.25	0.00	0.00	0.00	0.4352	0.4747
TF5.5	POLYLARV	Fall	0.17	0.00	0.00	0.00	0.3936	0.6460
TF5.5	POLYLARV	SAV1	0.25	0.00	0.00	0.00	0.2414	0.5982
TF5.5	POLYLARV	SAV2	0.29	0.00	0.00	0.00	0.6693	0.1825
TF5.5	POLYLARV	Spring1	0.17	0.00	0.00	0.00	0.4126	0.9207
TF5.5	POLYLARV	Spring2	0.17	0.00	0.00	0.00	0.3218	0.5620
TF5.5	POLYLARV	Summer1	0.25	0.00	0.00	0.00	0.3501	0.3139
TF5.5	POLYLARV	Summer2	0.33	0.00	0.00	0.00	0.3501	0.3139
TF5.5	POLYLARV	Winter	0.50	0.00	0.00	0.00	ne	0.1213
TF5.5	POLYLV_B	Annual	0.25	0.00	0.00	0.00	0.4352	0.4747
TF5.5	POLYLV_B	Fall	0.17	0.00	0.00	0.00	0.3936	0.6460
TF5.5	POLYLV_B	SAV1	0.25	0.00	0.00	0.00	0.2414	0.5982
TF5.5	POLYLV_B	SAV2	0.29	0.00	0.00	0.00	0.6693	0.1825
TF5.5	POLYLV_B	Spring1	0.17	0.00	0.00	0.00	0.4126	0.9207
TF5.5	POLYLV_B	Spring2	0.17	0.00	0.00	0.00	0.3218	0.5620

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
TF5.5	POLYLV_B	Summer1	0.25	0.00	0.00	0.00	0.3501	0.3139
TF5.5	POLYLV_B	Summer2	0.33	0.00	0.00	0.00	0.3501	0.3139
TF5.5	POLYLV_B	Winter	0.50	0.00	0.00	0.00	ne	0.1213
TF5.5	BARNNAUP	Annual	0.04	0.00	0.00	0.00	0.8594	0.2191
TF5.5	BARNNAUP	Fall	0.00	0.00	ne	0.00	1.0000	0.1003
TF5.5	BARNNAUP	SAV1	0.00	0.00	ne	0.00	0.7529	0.1399
TF5.5	BARNNAUP	SAV2	0.07	0.00	0.00	0.00	0.8243	0.3723
TF5.5	BARNNAUP	Spring1	0.00	0.00	ne	0.00	ne	0.3106
TF5.5	BARNNAUP	Spring2	0.00	0.00	ne	0.00	ne	0.3106
TF5.5	BARNNAUP	Summer1	0.13	0.00	0.00	0.00	0.9130	1.0000
TF5.5	BARNNAUP	Summer2	0.17	0.00	0.00	0.00	0.9130	1.0000
TF5.5	BARNNAUP	Winter	0.00	0.00	ne	0.00	ne	ne
TF5.5	BARNAU_B	Annual	0.04	0.00	0.00	0.00	0.8594	0.2191
TF5.5	BARNAU_B	Fall	0.00	0.00	ne	0.00	1.0000	0.1003
TF5.5	BARNAU_B	SAV1	0.00	0.00	ne	0.00	0.7529	0.1399
TF5.5	BARNAU_B	SAV2	0.07	0.00	0.00	0.00	0.8243	0.3723
TF5.5	BARNAU_B	Spring1	0.00	0.00	ne	0.00	ne	0.3106
TF5.5	BARNAU_B	Spring2	0.00	0.00	ne	0.00	ne	0.3106
TF5.5	BARNAU_B	Summer1	0.13	0.00	0.00	0.00	0.9130	1.0000
TF5.5	BARNAU_B	Summer2	0.17	0.00	0.00	0.00	0.9130	1.0000
TF5.5	BARNAU_B	Winter	0.00	0.00	ne	0.00	ne	ne
RET5.2	TOTMCZA	Annual	5634.92	18.37	2.28	128.57	0.3110	0.9005
RET5.2	TOTMCZA	Fall	5133.83	8.20	1.12	57.40	0.6664	0.9042
RET5.2	TOTMCZA	SAV1	4370.50	159.94	25.62	1119.57	0.3355	0.4202
RET5.2	TOTMCZA	SAV2	6926.79	9.10	0.92	63.69	0.2966	1.0000
RET5.2	TOTMCZA	Spring1	3434.33	298.50	60.84	2089.50	0.1787	0.5265
RET5.2	TOTMCZA	Spring2	7481.00	-235.25	-22.01	-1646.75	0.3192	0.5265
RET5.2	TOTMCZA	Summer1	9061.88	9.10	0.70	63.69	0.1421	1.0000
RET5.2	TOTMCZA	Summer2	7143.67	135.88	13.31	951.13	0.1297	0.6124
RET5.2	TOTMCZA	Winter	2833.50	-91.42	-22.58	-639.92	0.1404	0.5553
RET5.2	TOTMCZB	Annual	81.09	-1.59	-13.74	-11.14	0.0840	0.1506
RET5.2	TOTMCZB	Fall	57.05	-0.36	-4.41	-2.51	0.9437	0.9042
RET5.2	TOTMCZB	SAV1	57.57	2.16	26.31	15.15	0.4380	0.5910
RET5.2	TOTMCZB	SAV2	115.13	-8.70	-52.87	-60.87	0.0327	0.0397
RET5.2	TOTMCZB	Spring1	51.02	3.90	53.57	27.33	0.1473	0.6124
RET5.2	TOTMCZB	Spring2	151.35	-10.11	-46.74	-70.74	0.0273	0.1285
RET5.2	TOTMCZB	Summer1	151.72	-13.34	-61.56	-93.39	0.0303	0.0095
RET5.2	TOTMCZB	Summer2	97.02	-9.82	-70.88	-68.77	0.0473	0.1285
RET5.2	TOTMCZB	Winter	21.01	-0.43	-14.43	-3.03	0.8828	0.6583
RET5.2	COPENAUP	Annual	115.54	-1.54	-9.34	-10.79	0.2159	0.2734
RET5.2	COPENAUP	Fall	121.33	-4.58	-26.44	-32.08	0.5198	0.0348
RET5.2	COPENAUP	SAV1	105.25	-4.20	-27.93	-29.40	0.2064	0.2090
RET5.2	COPENAUP	SAV2	170.00	-8.00	-32.94	-56.00	0.7094	0.0529
RET5.2	COPENAUP	Spring1	67.33	4.96	51.61	34.75	0.7622	0.3734
RET5.2	COPENAUP	Spring2	175.67	-0.52	-2.06	-3.62	0.5794	0.8490
RET5.2	COPENAUP	Summer1	194.75	-10.73	-38.55	-75.08	0.9783	0.0553
RET5.2	COPENAUP	Summer2	149.17	-6.99	-32.79	-48.92	0.9070	0.0996
RET5.2	COPENAUP	Winter	20.75	1.55	52.29	10.85	0.1404	0.1404
RET5.2	COPENP_B	Annual	8.20	-0.11	-9.30	-0.76	0.2159	0.2734

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
RET5.2	COPENP_B	Fall	8.62	-0.33	-26.41	-2.28	0.5198	0.0348
RET5.2	COPENP_B	SAV1	7.47	-0.30	-27.91	-2.09	0.2064	0.2090
RET5.2	COPENP_B	SAV2	12.07	-0.57	-32.94	-3.98	0.7094	0.0529
RET5.2	COPENP_B	Spring1	4.78	0.35	51.54	2.46	0.7622	0.3734
RET5.2	COPENP_B	Spring2	12.47	-0.04	-2.08	-0.26	0.5794	0.8490
RET5.2	COPENP_B	Summer1	13.83	-0.76	-38.53	-5.33	0.9783	0.0553
RET5.2	COPENP_B	Summer2	10.59	-0.50	-32.78	-3.47	0.9070	0.0996
RET5.2	COPENP_B	Winter	1.47	0.11	52.27	0.77	0.1404	0.1404
RET5.2	ROTIFERS	Annual	404.83	-8.88	-15.35	-62.13	0.3081	0.0915
RET5.2	ROTIFERS	Fall	254.83	-12.04	-33.08	-84.29	0.7376	0.2786
RET5.2	ROTIFERS	SAV1	270.58	-7.52	-19.46	-52.65	0.2073	0.3245
RET5.2	ROTIFERS	SAV2	607.57	-39.94	-46.01	-279.57	0.3087	0.0212
RET5.2	ROTIFERS	Spring1	239.67	12.00	35.05	84.00	0.1042	0.7040
RET5.2	ROTIFERS	Spring2	878.83	-73.82	-58.80	-516.75	0.0735	0.2053
RET5.2	ROTIFERS	Summer1	813.63	-53.75	-46.24	-376.25	0.4780	0.0131
RET5.2	ROTIFERS	Summer2	435.50	-37.82	-60.79	-264.75	0.4024	0.0762
RET5.2	ROTIFERS	Winter	60.00	0.93	10.89	6.53	0.6583	0.8828
RET5.2	ROTIFR_B	Annual	33.20	-0.73	-15.35	-5.10	0.3081	0.0915
RET5.2	ROTIFR_B	Fall	20.90	-0.99	-33.06	-6.91	0.7376	0.2786
RET5.2	ROTIFR_B	SAV1	22.19	-0.62	-19.47	-4.32	0.2073	0.3245
RET5.2	ROTIFR_B	SAV2	49.82	-3.28	-46.01	-22.93	0.3087	0.0212
RET5.2	ROTIFR_B	Spring1	19.65	0.98	35.05	6.89	0.1042	0.7040
RET5.2	ROTIFR_B	Spring2	72.06	-6.05	-58.80	-42.37	0.0735	0.2053
RET5.2	ROTIFR_B	Summer1	66.72	-4.41	-46.24	-30.85	0.4780	0.0131
RET5.2	ROTIFR_B	Summer2	35.71	-3.10	-60.79	-21.71	0.4024	0.0762
RET5.2	ROTIFR_B	Winter	4.92	0.08	10.96	0.54	0.6583	0.8828
RET5.2	OLIGTRCH	Annual	2005.17	-58.46	-20.41	-409.25	0.7597	0.2350
RET5.2	OLIGTRCH	Fall	1835.83	-5.63	-2.14	-39.38	0.1542	1.0000
RET5.2	OLIGTRCH	SAV1	1994.58	-43.79	-15.37	-306.54	0.3283	0.5910
RET5.2	OLIGTRCH	SAV2	2110.64	-56.38	-18.70	-394.63	0.5189	0.6807
RET5.2	OLIGTRCH	Spring1	1890.67	-12.79	-4.74	-89.54	0.4887	0.8992
RET5.2	OLIGTRCH	Spring2	1608.83	1.79	0.78	12.50	0.4887	0.8992
RET5.2	OLIGTRCH	Summer1	2392.75	-177.92	-52.05	-1245.42	0.8062	0.2149
RET5.2	OLIGTRCH	Summer2	2905.17	-205.62	-49.54	-1439.31	0.9920	0.1285
RET5.2	OLIGTRCH	Winter	1655.75	-71.33	-30.16	-499.33	0.6583	0.3020
RET5.2	OLIGTR_B	Annual	10.43	-0.30	-20.41	-2.13	0.7597	0.2350
RET5.2	OLIGTR_B	Fall	9.55	-0.03	-2.13	-0.20	0.1542	1.0000
RET5.2	OLIGTR_B	SAV1	10.37	-0.23	-15.39	-1.60	0.3283	0.5910
RET5.2	OLIGTR_B	SAV2	10.98	-0.29	-18.69	-2.05	0.5189	0.6807
RET5.2	OLIGTR_B	Spring1	9.83	-0.07	-4.77	-0.47	0.4887	0.8992
RET5.2	OLIGTR_B	Spring2	8.37	0.01	0.75	0.06	0.4887	0.8992
RET5.2	OLIGTR_B	Summer1	12.44	-0.93	-52.04	-6.48	0.8062	0.2149
RET5.2	OLIGTR_B	Summer2	15.11	-1.07	-49.53	-7.48	0.9920	0.1285
RET5.2	OLIGTR_B	Winter	8.61	-0.37	-30.16	-2.60	0.6583	0.3020
RET5.2	MCZCLAD	Annual	16.67	0.00	0.00	0.00	0.2055	0.0008
RET5.2	MCZCLAD	Fall	0.67	0.00	0.00	0.00	0.3339	0.2127
RET5.2	MCZCLAD	SAV1	6.42	0.00	0.00	0.00	0.1667	0.4158
RET5.2	MCZCLAD	SAV2	27.64	-0.27	-6.79	-1.88	0.4214	0.0016
RET5.2	MCZCLAD	Spring1	12.67	-0.06	-3.48	-0.44	0.0299	0.2284

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
RET5.2	MCZCLAD	Spring2	43.00	-1.30	-21.16	-9.10	0.7717	0.0048
RET5.2	MCZCLAD	Summer1	38.75	-0.50	-9.03	-3.50	0.2682	0.0103
RET5.2	MCZCLAD	Summer2	21.33	-0.25	-8.20	-1.75	0.1920	0.0541
RET5.2	MCZCLAD	Winter	2.50	0.00	0.00	0.00	0.7033	0.0905
RET5.2	MCZCLADB	Annual	16.67	0.00	0.00	0.00	0.2055	0.0008
RET5.2	MCZCLADB	Fall	0.67	0.00	0.00	0.00	0.3339	0.2127
RET5.2	MCZCLADB	SAV1	6.42	0.00	0.00	0.00	0.1667	0.4158
RET5.2	MCZCLADB	SAV2	27.64	-0.27	-6.79	-1.88	0.4214	0.0016
RET5.2	MCZCLADB	Spring1	12.67	-0.06	-3.48	-0.44	0.0299	0.2284
RET5.2	MCZCLADB	Spring2	43.00	-1.30	-21.16	-9.10	0.7717	0.0048
RET5.2	MCZCLADB	Summer1	38.75	-0.50	-9.03	-3.50	0.2682	0.0103
RET5.2	MCZCLADB	Summer2	21.33	-0.25	-8.20	-1.75	0.1920	0.0541
RET5.2	MCZCLADB	Winter	2.50	0.00	0.00	0.00	0.7033	0.0905
RET5.2	TINTINID	Annual	3089.92	65.55	14.85	458.85	0.0023	0.3816
RET5.2	TINTINID	Fall	2913.17	-124.03	-29.80	-868.19	0.7376	0.1486
RET5.2	TINTINID	SAV1	1988.75	89.00	31.33	623.00	0.0164	0.3245
RET5.2	TINTINID	SAV2	4009.00	168.75	29.46	1181.25	0.0132	0.1879
RET5.2	TINTINID	Spring1	1223.50	411.78	235.59	2882.48	0.1284	0.2543
RET5.2	TINTINID	Spring2	4774.17	-22.71	-3.33	-159.00	0.3678	0.8992
RET5.2	TINTINID	Summer1	5620.00	365.29	45.50	2557.04	0.0064	0.0553
RET5.2	TINTINID	Summer2	3629.83	514.34	99.19	3600.35	0.0090	0.0161
RET5.2	TINTINID	Winter	1094.50	32.75	20.95	229.25	0.0183	1.0000
RET5.2	TINTIN_B	Annual	9.89	0.21	14.87	1.47	0.0023	0.3816
RET5.2	TINTIN_B	Fall	9.32	-0.40	-29.81	-2.78	0.7376	0.1486
RET5.2	TINTIN_B	SAV1	6.36	0.29	31.35	2.00	0.0164	0.3245
RET5.2	TINTIN_B	SAV2	12.83	0.54	29.46	3.78	0.0132	0.1879
RET5.2	TINTIN_B	Spring1	3.92	1.32	235.66	9.23	0.1284	0.2543
RET5.2	TINTIN_B	Spring2	15.28	-0.07	-3.34	-0.51	0.3678	0.8992
RET5.2	TINTIN_B	Summer1	17.98	1.17	45.50	8.18	0.0064	0.0553
RET5.2	TINTIN_B	Summer2	11.62	1.65	99.20	11.52	0.0090	0.0161
RET5.2	TINTIN_B	Winter	3.50	0.11	20.99	0.74	0.0183	1.0000
RET5.2	SARCOD_B	Annual	0.00	0.00	0.00	0.00	0.7682	0.5438
RET5.2	SARCODIN	Annual	0.08	0.00	0.00	0.00	0.7682	0.5438
RET5.2	SARCOD_B	Fall	0.00	0.00	ne	0.00	0.9512	0.6547
RET5.2	SARCODIN	Fall	0.00	0.00	ne	0.00	0.9512	0.6547
RET5.2	SARCOD_B	SAV1	0.00	0.00	0.00	0.00	0.5589	0.5356
RET5.2	SARCODIN	SAV1	0.17	0.00	0.00	0.00	0.5589	0.5356
RET5.2	SARCOD_B	SAV2	0.00	0.00	0.00	0.00	0.5433	0.5630
RET5.2	SARCODIN	SAV2	0.14	0.00	0.00	0.00	0.5433	0.5630
RET5.2	SARCOD_B	Spring1	0.00	0.00	0.00	0.00	0.1003	0.5839
RET5.2	SARCODIN	Spring1	0.33	0.00	0.00	0.00	0.1003	0.5839
RET5.2	SARCOD_B	Spring2	0.00	0.00	0.00	0.00	0.1178	0.7523
RET5.2	SARCODIN	Spring2	0.33	0.00	0.00	0.00	0.1178	0.7523
RET5.2	SARCOD_B	Summer1	0.00	0.00	ne	0.00	0.9143	0.1846
RET5.2	SARCODIN	Summer1	0.00	0.00	ne	0.00	0.9143	0.1846
RET5.2	SARCOD_B	Summer2	0.00	0.00	ne	0.00	0.9219	0.4168
RET5.2	SARCODIN	Summer2	0.00	0.00	ne	0.00	0.9219	0.4168
RET5.2	SARCOD_B	Winter	0.00	0.00	ne	0.00	ne	0.4386
RET5.2	SARCODIN	Winter	0.00	0.00	ne	0.00	ne	0.4386

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
RET5.2	POLYLARV	Annual	2.38	0.00	0.00	0.00	0.7156	0.0925
RET5.2	POLYLARV	Fall	7.00	0.00	0.00	0.00	0.5058	0.3437
RET5.2	POLYLARV	SAV1	4.17	0.00	0.00	0.00	0.9933	0.4635
RET5.2	POLYLARV	SAV2	1.57	0.00	0.00	0.00	0.5163	0.1747
RET5.2	POLYLARV	Spring1	0.17	0.00	0.00	0.00	0.8842	0.4689
RET5.2	POLYLARV	Spring2	0.17	0.00	0.00	0.00	0.4085	1.0000
RET5.2	POLYLARV	Summer1	1.75	0.00	0.00	0.00	0.1830	0.1412
RET5.2	POLYLARV	Summer2	2.33	0.00	0.00	0.00	0.5165	0.0544
RET5.2	POLYLARV	Winter	0.00	0.00	ne	0.00	ne	0.7697
RET5.2	POLYLV_B	Annual	2.38	0.00	0.00	0.00	0.7156	0.0925
RET5.2	POLYLV_B	Fall	7.00	0.00	0.00	0.00	0.5058	0.3437
RET5.2	POLYLV_B	SAV1	4.17	0.00	0.00	0.00	0.9933	0.4635
RET5.2	POLYLV_B	SAV2	1.57	0.00	0.00	0.00	0.5163	0.1747
RET5.2	POLYLV_B	Spring1	0.17	0.00	0.00	0.00	0.8842	0.4689
RET5.2	POLYLV_B	Spring2	0.17	0.00	0.00	0.00	0.4085	1.0000
RET5.2	POLYLV_B	Summer1	1.75	0.00	0.00	0.00	0.1830	0.1412
RET5.2	POLYLV_B	Summer2	2.33	0.00	0.00	0.00	0.5165	0.0544
RET5.2	POLYLV_B	Winter	0.00	0.00	ne	0.00	ne	0.7697
RET5.2	BARNNAUP	Annual	0.33	0.00	0.00	0.00	0.9635	0.0031
RET5.2	BARNNAUP	Fall	1.00	0.00	0.00	0.00	0.7950	0.1359
RET5.2	BARNNAUP	SAV1	0.58	0.00	0.00	0.00	0.7420	0.0115
RET5.2	BARNNAUP	SAV2	0.21	0.00	0.00	0.00	0.9649	0.0019
RET5.2	BARNNAUP	Spring1	0.00	0.00	ne	0.00	0.3292	0.0590
RET5.2	BARNNAUP	Spring2	0.00	0.00	ne	0.00	0.8465	0.0117
RET5.2	BARNNAUP	Summer1	0.25	0.00	0.00	0.00	0.8920	0.0784
RET5.2	BARNNAUP	Summer2	0.33	0.00	0.00	0.00	0.7465	0.1391
RET5.2	BARNNAUP	Winter	0.00	0.00	ne	0.00	ne	0.6985
RET5.2	BARNAU_B	Annual	0.33	0.00	0.00	0.00	0.9635	0.0031
RET5.2	BARNAU_B	Fall	1.00	0.00	0.00	0.00	0.7950	0.1359
RET5.2	BARNAU_B	SAV1	0.58	0.00	0.00	0.00	0.7420	0.0115
RET5.2	BARNAU_B	SAV2	0.21	0.00	0.00	0.00	0.9649	0.0019
RET5.2	BARNAU_B	Spring1	0.00	0.00	ne	0.00	0.3292	0.0590
RET5.2	BARNAU_B	Spring2	0.00	0.00	ne	0.00	0.8465	0.0117
RET5.2	BARNAU_B	Summer1	0.25	0.00	0.00	0.00	0.8920	0.0784
RET5.2	BARNAU_B	Summer2	0.33	0.00	0.00	0.00	0.7465	0.1391
RET5.2	BARNAU_B	Winter	0.00	0.00	ne	0.00	ne	0.6985
LE5.5	TOTMCZA	Annual	4816.90	20.00	2.91	140.00	0.1721	0.8550
LE5.5	TOTMCZA	Fall	5055.33	-91.36	-12.65	-639.50	0.0145	0.8097
LE5.5	TOTMCZA	SAV1	4456.29	143.72	22.58	1006.02	0.8319	0.3491
LE5.5	TOTMCZA	SAV2	4976.75	131.29	18.47	919.04	0.7369	0.4306
LE5.5	TOTMCZA	Spring1	4688.08	66.50	9.93	465.50	0.6961	0.9042
LE5.5	TOTMCZA	Spring2	3950.42	112.00	19.85	784.00	0.6381	0.8097
LE5.5	TOTMCZA	Summer1	5111.00	117.79	16.13	824.54	0.4973	0.4655
LE5.5	TOTMCZA	Summer2	6114.17	90.02	10.31	630.13	0.3182	0.6301
LE5.5	TOTMCZA	Winter	4064.25	-88.54	-15.25	-619.75	0.0833	0.6324
LE5.5	TOTMCZB	Annual	56.31	1.20	14.89	8.39	0.2770	0.4647
LE5.5	TOTMCZB	Fall	43.60	2.30	36.98	16.12	0.1973	0.1854
LE5.5	TOTMCZB	SAV1	62.37	3.71	41.62	25.96	0.1640	0.1058
LE5.5	TOTMCZB	SAV2	70.34	0.50	5.01	3.52	0.6015	0.9372

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
LE5.5	TOTMCZB	Spring1	76.14	2.45	22.53	17.15	0.0610	0.6301
LE5.5	TOTMCZB	Spring2	82.41	-2.11	-17.90	-14.76	0.4013	0.4701
LE5.5	TOTMCZB	Summer1	64.20	0.69	7.53	4.84	0.7619	0.9170
LE5.5	TOTMCZB	Summer2	64.47	1.49	16.15	10.41	0.5849	0.8097
LE5.5	TOTMCZB	Winter	29.87	-1.57	-36.76	-10.98	0.2170	0.5236
LE5.5	COPENAUP	Annual	104.48	-2.55	-17.08	-17.85	0.7677	0.0236
LE5.5	COPENAUP	Fall	83.17	0.54	4.56	3.79	0.8737	0.7630
LE5.5	COPENAUP	SAV1	111.29	-2.13	-13.37	-14.88	0.8934	0.4428
LE5.5	COPENAUP	SAV2	149.18	-6.58	-30.89	-46.08	0.8285	0.0401
LE5.5	COPENAUP	Spring1	71.42	-2.38	-23.28	-16.63	0.5356	0.4685
LE5.5	COPENAUP	Spring2	88.42	-3.79	-30.02	-26.54	0.4163	0.2519
LE5.5	COPENAUP	Summer1	187.13	-15.28	-57.16	-106.96	0.9249	0.0248
LE5.5	COPENAUP	Summer2	213.67	-15.92	-52.15	-111.42	0.7984	0.0616
LE5.5	COPENAUP	Winter	20.75	-1.81	-61.16	-12.69	0.3116	0.0521
LE5.5	COPENP_B	Annual	7.42	-0.18	-17.08	-1.27	0.7677	0.0236
LE5.5	COPENP_B	Fall	5.91	0.04	4.50	0.27	0.8737	0.7630
LE5.5	COPENP_B	SAV1	7.90	-0.15	-13.38	-1.06	0.8934	0.4428
LE5.5	COPENP_B	SAV2	10.59	-0.47	-30.86	-3.27	0.8285	0.0401
LE5.5	COPENP_B	Spring1	5.07	-0.17	-23.33	-1.18	0.5356	0.4685
LE5.5	COPENP_B	Spring2	6.28	-0.27	-29.99	-1.88	0.4163	0.2519
LE5.5	COPENP_B	Summer1	13.29	-1.09	-57.17	-7.60	0.9249	0.0248
LE5.5	COPENP_B	Summer2	15.17	-1.13	-52.14	-7.91	0.7984	0.0616
LE5.5	COPENP_B	Winter	1.47	-0.13	-61.30	-0.90	0.3116	0.0521
LE5.5	ROTIFERS	Annual	94.40	12.20	90.47	85.40	0.2147	0.0009
LE5.5	ROTIFERS	Fall	42.17	28.33	470.35	198.33	0.1973	0.0161
LE5.5	ROTIFERS	SAV1	140.63	10.67	53.10	74.67	0.2070	0.0887
LE5.5	ROTIFERS	SAV2	84.18	14.63	121.62	102.38	0.0889	0.0024
LE5.5	ROTIFERS	Spring1	251.25	-9.54	-26.59	-66.80	0.9437	0.6301
LE5.5	ROTIFERS	Spring2	171.92	7.88	32.06	55.13	0.0461	0.3053
LE5.5	ROTIFERS	Summer1	15.00	22.40	1045.33	156.80	0.3281	0.0014
LE5.5	ROTIFERS	Summer2	19.50	14.73	528.73	103.10	0.3592	0.0296
LE5.5	ROTIFERS	Winter	96.25	6.46	47.00	45.24	0.3914	0.2021
LE5.5	ROTIFR_B	Annual	7.74	1.00	90.44	7.00	0.2147	0.0009
LE5.5	ROTIFR_B	Fall	3.46	2.32	470.24	16.26	0.1973	0.0161
LE5.5	ROTIFR_B	SAV1	11.53	0.88	53.12	6.13	0.2070	0.0887
LE5.5	ROTIFR_B	SAV2	6.90	1.20	121.58	8.39	0.0889	0.0024
LE5.5	ROTIFR_B	Spring1	20.60	-0.78	-26.60	-5.48	0.9437	0.6301
LE5.5	ROTIFR_B	Spring2	14.10	0.65	32.08	4.52	0.0461	0.3053
LE5.5	ROTIFR_B	Summer1	1.23	1.84	1045.45	12.86	0.3281	0.0014
LE5.5	ROTIFR_B	Summer2	1.60	1.21	528.83	8.46	0.3592	0.0296
LE5.5	ROTIFR_B	Winter	7.89	0.53	47.00	3.71	0.3914	0.2021
LE5.5	OLIGTRCH	Annual	2567.00	16.75	4.57	117.25	0.5447	0.8550
LE5.5	OLIGTRCH	Fall	2667.50	-49.25	-12.92	-344.75	0.1658	0.8097
LE5.5	OLIGTRCH	SAV1	1948.42	79.15	28.43	554.02	0.8640	0.4436
LE5.5	OLIGTRCH	SAV2	2546.86	51.05	14.03	357.35	0.6834	0.6363
LE5.5	OLIGTRCH	Spring1	1965.00	55.58	19.80	389.08	0.4707	0.8097
LE5.5	OLIGTRCH	Spring2	1821.33	-48.83	-18.77	-341.83	0.6762	0.7180
LE5.5	OLIGTRCH	Summer1	3005.00	48.19	11.23	337.32	0.4872	0.6767
LE5.5	OLIGTRCH	Summer2	3558.00	83.06	16.34	581.44	0.3324	0.5472

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute	Homogeneity	
						Change	Test p Value	p Value
LE5.5	OLIGTRCH	Winter	2443.25	-8.66	-2.48	-60.61	0.1507	0.8733
LE5.5	OLIGTR_B	Annual	13.35	0.09	4.56	0.61	0.5447	0.8550
LE5.5	OLIGTR_B	Fall	13.87	-0.26	-12.92	-1.79	0.1658	0.8097
LE5.5	OLIGTR_B	SAV1	10.13	0.41	28.46	2.88	0.8640	0.4436
LE5.5	OLIGTR_B	SAV2	13.24	0.27	14.01	1.86	0.6834	0.6363
LE5.5	OLIGTR_B	Spring1	10.22	0.29	19.80	2.02	0.4707	0.8097
LE5.5	OLIGTR_B	Spring2	9.47	-0.25	-18.77	-1.78	0.6762	0.7180
LE5.5	OLIGTR_B	Summer1	15.63	0.25	11.24	1.76	0.4872	0.6767
LE5.5	OLIGTR_B	Summer2	18.50	0.43	16.34	3.02	0.3324	0.5472
LE5.5	OLIGTR_B	Winter	12.71	-0.05	-2.48	-0.32	0.1507	0.8733
LE5.5	MCZCLAD	Annual	0.67	0.00	0.00	0.00	0.9996	0.0005
LE5.5	MCZCLAD	Fall	0.00	0.00	ne	0.00	ne	ne
LE5.5	MCZCLAD	SAV1	0.25	0.00	0.00	0.00	0.7658	0.0737
LE5.5	MCZCLAD	SAV2	1.07	0.00	0.00	0.00	0.9976	0.0017
LE5.5	MCZCLAD	Spring1	0.50	0.00	0.00	0.00	0.7658	0.0737
LE5.5	MCZCLAD	Spring2	1.33	0.00	0.00	0.00	0.9426	0.0208
LE5.5	MCZCLAD	Summer1	1.50	0.00	0.00	0.00	1.0000	0.0073
LE5.5	MCZCLAD	Summer2	1.17	0.00	0.00	0.00	1.0000	0.0285
LE5.5	MCZCLAD	Winter	0.25	0.00	0.00	0.00	ne	0.1213
LE5.5	MCZCLADB	Annual	0.67	0.00	0.00	0.00	0.9996	0.0005
LE5.5	MCZCLADB	Fall	0.00	0.00	ne	0.00	ne	ne
LE5.5	MCZCLADB	SAV1	0.25	0.00	0.00	0.00	0.7658	0.0737
LE5.5	MCZCLADB	SAV2	1.07	0.00	0.00	0.00	0.9976	0.0017
LE5.5	MCZCLADB	Spring1	0.50	0.00	0.00	0.00	0.7658	0.0737
LE5.5	MCZCLADB	Spring2	1.33	0.00	0.00	0.00	0.9426	0.0208
LE5.5	MCZCLADB	Summer1	1.50	0.00	0.00	0.00	1.0000	0.0073
LE5.5	MCZCLADB	Summer2	1.17	0.00	0.00	0.00	1.0000	0.0285
LE5.5	MCZCLADB	Winter	0.25	0.00	0.00	0.00	ne	0.1213
LE5.5	TINTINID	Annual	2027.15	-31.07	-10.73	-217.50	0.2165	0.5834
LE5.5	TINTINID	Fall	2249.33	-67.05	-20.87	-469.35	0.0610	0.9042
LE5.5	TINTINID	SAV1	2230.29	15.92	5.00	111.46	0.4036	0.8648
LE5.5	TINTINID	SAV2	2159.46	66.90	21.69	468.30	0.9208	0.4306
LE5.5	TINTINID	Spring1	2367.75	-63.96	-18.91	-447.75	0.4916	0.3994
LE5.5	TINTINID	Spring2	1811.75	44.29	17.11	310.04	0.4916	0.6301
LE5.5	TINTINID	Summer1	1868.13	134.85	50.53	943.95	0.9330	0.2109
LE5.5	TINTINID	Summer2	2301.17	144.25	43.88	1009.75	0.9035	0.3994
LE5.5	TINTINID	Winter	1501.00	-109.54	-51.08	-766.77	0.3424	0.0382
LE5.5	TINTIN_B	Annual	6.49	-0.10	-10.68	-0.69	0.2165	0.5834
LE5.5	TINTIN_B	Fall	7.20	-0.22	-20.91	-1.51	0.0610	0.9042
LE5.5	TINTIN_B	SAV1	7.14	0.05	5.00	0.36	0.4036	0.8648
LE5.5	TINTIN_B	SAV2	6.91	0.21	21.68	1.50	0.9208	0.4306
LE5.5	TINTIN_B	Spring1	7.58	-0.21	-18.94	-1.44	0.4916	0.3994
LE5.5	TINTIN_B	Spring2	5.80	0.14	17.14	0.99	0.4916	0.6301
LE5.5	TINTIN_B	Summer1	5.98	0.43	50.59	3.02	0.9330	0.2109
LE5.5	TINTIN_B	Summer2	7.36	0.46	43.92	3.23	0.9035	0.3994
LE5.5	TINTIN_B	Winter	4.80	-0.35	-51.16	-2.46	0.3424	0.0382
LE5.5	SARCOD_B	Annual	0.03	0.00	0.00	0.00	0.9904	0.8494
LE5.5	SARCODIN	Annual	2.58	0.00	0.00	0.00	0.9904	0.8494
LE5.5	SARCOD_B	Fall	0.00	0.00	ne	0.00	0.9099	1.0000

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute	Homogeneity	
						Change	Test p Value	p Value
LE5.5	SARCODIN	Fall	0.00	0.00	ne	0.00	0.9099	1.0000
LE5.5	SARCOD_B	SAV1	0.00	0.00	ne	0.00	0.9740	0.7906
LE5.5	SARCODIN	SAV1	0.00	0.00	ne	0.00	0.9740	0.7906
LE5.5	SARCOD_B	SAV2	0.04	0.00	0.00	0.00	0.6624	0.9207
LE5.5	SARCODIN	SAV2	4.43	0.00	0.00	0.00	0.6624	0.9207
LE5.5	SARCOD_B	Spring1	0.00	0.00	ne	0.00	0.7842	0.7842
LE5.5	SARCODIN	Spring1	0.00	0.00	ne	0.00	0.7842	0.7842
LE5.5	SARCOD_B	Spring2	0.10	0.00	0.00	0.00	0.4319	0.7279
LE5.5	SARCODIN	Spring2	10.33	0.00	0.00	0.00	0.4319	0.7279
LE5.5	SARCOD_B	Summer1	0.08	0.00	0.00	0.00	ne	0.4689
LE5.5	SARCODIN	Summer1	7.75	0.00	0.00	0.00	ne	0.4689
LE5.5	SARCOD_B	Summer2	0.00	0.00	ne	0.00	ne	ne
LE5.5	SARCODIN	Summer2	0.00	0.00	ne	0.00	ne	ne
LE5.5	SARCOD_B	Winter	0.00	0.00	ne	0.00	ne	1.0000
LE5.5	SARCODIN	Winter	0.00	0.00	ne	0.00	ne	1.0000
LE5.5	POLYLARV	Annual	19.00	-0.68	-25.16	-4.78	0.0108	0.0002
LE5.5	POLYLARV	Fall	11.67	-0.61	-36.78	-4.29	0.5489	0.0022
LE5.5	POLYLARV	SAV1	23.00	-1.04	-31.71	-7.29	0.0054	0.0256
LE5.5	POLYLARV	SAV2	29.79	-2.50	-58.75	-17.50	0.1223	0.0000
LE5.5	POLYLARV	Spring1	28.50	0.13	3.07	0.88	0.0152	0.8081
LE5.5	POLYLARV	Spring2	42.00	-2.46	-41.07	-17.25	0.0621	0.0257
LE5.5	POLYLARV	Summer1	26.00	-2.50	-67.31	-17.50	0.2904	0.0002
LE5.5	POLYLARV	Summer2	20.17	-2.23	-77.23	-15.58	0.1851	0.0031
LE5.5	POLYLARV	Winter	1.75	0.00	0.00	0.00	0.2228	0.7400
LE5.5	POLYLV_B	Annual	19.00	-0.68	-25.16	-4.78	0.0108	0.0002
LE5.5	POLYLV_B	Fall	11.67	-0.61	-36.78	-4.29	0.5489	0.0022
LE5.5	POLYLV_B	SAV1	23.00	-1.04	-31.71	-7.29	0.0054	0.0256
LE5.5	POLYLV_B	SAV2	29.79	-2.50	-58.75	-17.50	0.1223	0.0000
LE5.5	POLYLV_B	Spring1	28.50	0.13	3.07	0.88	0.0152	0.8081
LE5.5	POLYLV_B	Spring2	42.00	-2.46	-41.07	-17.25	0.0621	0.0257
LE5.5	POLYLV_B	Summer1	26.00	-2.50	-67.31	-17.50	0.2904	0.0002
LE5.5	POLYLV_B	Summer2	20.17	-2.23	-77.23	-15.58	0.1851	0.0031
LE5.5	POLYLV_B	Winter	1.75	0.00	0.00	0.00	0.2228	0.7400
LE5.5	BARNNAUP	Annual	1.63	0.00	0.00	0.00	0.1588	0.1790
LE5.5	BARNNAUP	Fall	1.50	0.00	0.00	0.00	0.7822	0.9488
LE5.5	BARNNAUP	SAV1	2.42	0.00	0.00	0.00	0.1836	0.1572
LE5.5	BARNNAUP	SAV2	1.79	0.00	0.00	0.00	0.3224	0.8301
LE5.5	BARNNAUP	Spring1	3.67	0.17	32.64	1.20	0.1273	0.1942
LE5.5	BARNNAUP	Spring2	3.33	0.00	0.00	0.00	0.6469	0.8991
LE5.5	BARNNAUP	Summer1	0.50	0.00	0.00	0.00	0.1203	1.0000
LE5.5	BARNNAUP	Summer2	0.50	0.00	0.00	0.00	0.0576	0.8914
LE5.5	BARNNAUP	Winter	1.00	0.11	79.10	0.79	0.1237	0.0728
LE5.5	BARNAU_B	Annual	1.63	0.00	0.00	0.00	0.1588	0.1790
LE5.5	BARNAU_B	Fall	1.50	0.00	0.00	0.00	0.7822	0.9488
LE5.5	BARNAU_B	SAV1	2.42	0.00	0.00	0.00	0.1836	0.1572
LE5.5	BARNAU_B	SAV2	1.79	0.00	0.00	0.00	0.3224	0.8301
LE5.5	BARNAU_B	Spring1	3.67	0.17	32.64	1.20	0.1273	0.1942
LE5.5	BARNAU_B	Spring2	3.33	0.00	0.00	0.00	0.6469	0.8991
LE5.5	BARNAU_B	Summer1	0.50	0.00	0.00	0.00	0.1203	1.0000

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
LE5.5	BARNAU_B	Summer2	0.50	0.00	0.00	0.00	0.0576	0.8914
LE5.5	BARNAU_B	Winter	1.00	0.11	79.10	0.79	0.1237	0.0728
SBE2	TOTMCZA	Annual	5857.42	-17.50	-2.09	-122.50	0.5551	0.7630
SBE2	TOTMCZA	Fall	1622.50	-234.00	-100.96	-1638.00	0.2335	0.7630
SBE2	TOTMCZA	SAV1	4693.92	-290.00	-43.25	-2030.00	0.6860	0.3938
SBE2	TOTMCZA	SAV2	6897.71	-342.00	-34.71	-2394.00	0.4320	0.5537
SBE2	TOTMCZA	Spring1	7491.50	-31.00	-2.90	-217.00	0.6951	0.7630
SBE2	TOTMCZA	Spring2	6713.17	67.00	6.99	469.00	0.2335	0.7630
SBE2	TOTMCZA	Summer1	8145.13	-696.75	-59.88	-4877.25	0.1590	0.6015
SBE2	TOTMCZA	Summer2	9046.83	-2480.00	-191.89	-17360.00	0.6951	0.1317
SBE2	TOTMCZA	Winter	5183.25	ne	ne	ne	1.0000	0.4602
SBE2	TOTMCZB	Annual	54.21	1.54	19.94	10.81	0.6219	0.3657
SBE2	TOTMCZB	Fall	16.08	2.14	93.01	14.96	0.0784	0.7630
SBE2	TOTMCZB	SAV1	47.50	0.77	11.30	5.37	0.1890	0.3938
SBE2	TOTMCZB	SAV2	67.87	0.95	9.80	6.65	0.5061	0.3237
SBE2	TOTMCZB	Spring1	68.23	9.49	97.34	66.42	0.6951	0.7630
SBE2	TOTMCZB	Spring2	75.07	-3.27	-30.49	-22.89	0.6951	0.7630
SBE2	TOTMCZB	Summer1	77.45	0.40	3.62	2.81	0.3916	0.6015
SBE2	TOTMCZB	Summer2	76.78	0.58	5.32	4.09	0.3359	0.3657
SBE2	TOTMCZB	Winter	43.86	ne	ne	ne	1.0000	0.4602
SBE2	COPENAUP	Annual	82.71	-1.75	-14.81	-12.25	0.6383	0.8788
SBE2	COPENAUP	Fall	41.33	6.50	110.08	45.50	0.0784	0.7630
SBE2	COPENAUP	SAV1	61.58	3.00	34.10	21.00	0.3243	0.6698
SBE2	COPENAUP	SAV2	131.29	16.00	85.31	112.00	0.7940	0.3237
SBE2	COPENAUP	Spring1	41.00	1.00	17.07	7.00	0.6951	0.7630
SBE2	COPENAUP	Spring2	69.67	1.00	10.05	7.00	0.6951	0.7630
SBE2	COPENAUP	Summer1	182.88	7.25	27.75	50.75	0.7793	1.0000
SBE2	COPENAUP	Summer2	211.00	121.50	403.08	850.50	0.6951	0.7630
SBE2	COPENAUP	Winter	7.00	ne	ne	ne	0.6194	0.2332
SBE2	COPENP_B	Annual	5.87	-0.12	-14.78	-0.87	0.6383	0.8788
SBE2	COPENP_B	Fall	2.94	0.46	110.19	3.23	0.0784	0.7630
SBE2	COPENP_B	SAV1	4.37	0.21	34.10	1.49	0.3243	0.6698
SBE2	COPENP_B	SAV2	9.32	1.14	85.31	7.95	0.7940	0.3237
SBE2	COPENP_B	Spring1	2.91	0.07	17.07	0.50	0.6951	0.7630
SBE2	COPENP_B	Spring2	4.95	0.07	10.05	0.50	0.6951	0.7630
SBE2	COPENP_B	Summer1	12.98	0.52	27.76	3.61	0.7793	1.0000
SBE2	COPENP_B	Summer2	14.98	8.63	403.10	60.39	0.6951	0.7630
SBE2	COPENP_B	Winter	0.50	ne	ne	ne	0.6194	0.2332
SBE2	ROTIFERS	Annual	94.96	1.00	7.37	7.00	0.4609	0.6473
SBE2	ROTIFERS	Fall	17.33	-6.00	-242.31	-42.00	0.2335	0.7630
SBE2	ROTIFERS	SAV1	120.17	-3.75	-21.84	-26.25	0.6029	0.6698
SBE2	ROTIFERS	SAV2	69.64	1.00	10.05	7.00	0.3975	0.8435
SBE2	ROTIFERS	Spring1	198.67	44.00	155.03	308.00	0.6951	0.7630
SBE2	ROTIFERS	Spring2	128.50	-9.50	-51.75	-66.50	0.3359	0.3657
SBE2	ROTIFERS	Summer1	30.38	0.00	0.00	0.00	0.1414	1.0000
SBE2	ROTIFERS	Summer2	31.50	1.00	22.22	7.00	0.3359	0.3657
SBE2	ROTIFERS	Winter	185.00	ne	ne	ne	0.6194	0.2332
SBE2	ROTIFR_B	Annual	7.79	0.08	7.37	0.57	0.4609	0.6473
SBE2	ROTIFR_B	Fall	1.42	-0.49	-242.36	-3.44	0.2335	0.7630

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
SBE2	ROTIFR_B	SAV1	9.85	-0.31	-21.88	-2.16	0.6029	0.6698
SBE2	ROTIFR_B	SAV2	5.71	0.08	10.05	0.57	0.3975	0.8435
SBE2	ROTIFR_B	Spring1	16.29	3.61	155.03	25.26	0.6951	0.7630
SBE2	ROTIFR_B	Spring2	10.54	-0.78	-51.75	-5.45	0.3359	0.3657
SBE2	ROTIFR_B	Summer1	2.49	0.00	0.00	0.00	0.1414	1.0000
SBE2	ROTIFR_B	Summer2	2.58	0.08	22.22	0.57	0.3359	0.3657
SBE2	ROTIFR_B	Winter	15.17	ne	ne	ne	0.6194	0.2332
SBE2	OLIGTRCH	Annual	4079.79	229.25	39.33	1604.75	0.0458	0.1699
SBE2	OLIGTRCH	Fall	1368.33	148.00	75.71	1036.00	0.0784	0.7630
SBE2	OLIGTRCH	SAV1	2480.08	229.25	64.71	1604.75	0.0225	0.2008
SBE2	OLIGTRCH	SAV2	4480.86	213.00	33.27	1491.00	0.0293	0.3237
SBE2	OLIGTRCH	Spring1	3443.50	774.00	157.34	5418.00	1.0000	0.0067
SBE2	OLIGTRCH	Spring2	2738.17	1574.50	402.51	11021.50	1.0000	0.0067
SBE2	OLIGTRCH	Summer1	6323.00	-763.75	-84.55	-5346.25	0.0879	0.2963
SBE2	OLIGTRCH	Summer2	7544.50	-2161.00	-200.50	-15127.00	0.6951	0.0348
SBE2	OLIGTRCH	Winter	4615.00	ne	ne	ne	0.6194	0.2332
SBE2	OLIGTR_B	Annual	21.22	1.19	39.33	8.34	0.0458	0.1699
SBE2	OLIGTR_B	Fall	7.12	0.77	75.76	5.39	0.0784	0.7630
SBE2	OLIGTR_B	SAV1	12.90	1.19	64.70	8.34	0.0225	0.2008
SBE2	OLIGTR_B	SAV2	23.30	1.11	33.29	7.76	0.0293	0.3237
SBE2	OLIGTR_B	Spring1	17.91	4.03	157.35	28.18	1.0000	0.0067
SBE2	OLIGTR_B	Spring2	14.24	8.19	402.51	57.31	1.0000	0.0067
SBE2	OLIGTR_B	Summer1	32.88	-3.97	-84.56	-27.80	0.0879	0.2963
SBE2	OLIGTR_B	Summer2	39.23	-11.24	-200.50	-78.66	0.6951	0.0348
SBE2	OLIGTR_B	Winter	24.00	ne	ne	ne	0.6194	0.2332
SBE2	MCZCLAD	Annual	0.04	0.00	0.00	0.00	ne	0.2207
SBE2	MCZCLAD	Fall	0.00	0.00	ne	0.00	ne	ne
SBE2	MCZCLAD	SAV1	0.00	0.00	ne	0.00	ne	ne
SBE2	MCZCLAD	SAV2	0.07	0.00	0.00	0.00	ne	0.2207
SBE2	MCZCLAD	Spring1	0.00	0.00	ne	0.00	ne	ne
SBE2	MCZCLAD	Spring2	0.00	0.00	ne	0.00	ne	ne
SBE2	MCZCLAD	Summer1	0.13	0.00	0.00	0.00	ne	0.2207
SBE2	MCZCLAD	Summer2	0.17	0.00	0.00	0.00	ne	0.2207
SBE2	MCZCLAD	Winter	0.00	0.00	ne	0.00	ne	ne
SBE2	MCZCLADB	Annual	0.04	0.00	0.00	0.00	ne	0.2207
SBE2	MCZCLADB	Fall	0.00	0.00	ne	0.00	ne	ne
SBE2	MCZCLADB	SAV1	0.00	0.00	ne	0.00	ne	ne
SBE2	MCZCLADB	SAV2	0.07	0.00	0.00	0.00	ne	0.2207
SBE2	MCZCLADB	Spring1	0.00	0.00	ne	0.00	ne	ne
SBE2	MCZCLADB	Spring2	0.00	0.00	ne	0.00	ne	ne
SBE2	MCZCLADB	Summer1	0.13	0.00	0.00	0.00	ne	0.2207
SBE2	MCZCLADB	Summer2	0.17	0.00	0.00	0.00	ne	0.2207
SBE2	MCZCLADB	Winter	0.00	0.00	ne	0.00	ne	ne
SBE2	TINTINID	Annual	1584.58	-75.00	-33.13	-525.00	0.5903	0.1699
SBE2	TINTINID	Fall	191.50	-1.00	-3.66	-7.00	0.6951	0.7630
SBE2	TINTINID	SAV1	2018.17	-157.00	-54.46	-1099.00	0.6860	0.0881
SBE2	TINTINID	SAV2	2191.50	-454.00	-145.01	-3178.00	0.7118	0.0299
SBE2	TINTINID	Spring1	3789.33	-499.50	-92.27	-3496.50	0.6951	0.0348
SBE2	TINTINID	Spring2	3739.00	-998.00	-186.84	-6986.00	0.6951	0.0348

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
SBE2	TINTINID	Summer1	1581.50	-512.50	-226.84	-3587.50	0.5355	0.2963
SBE2	TINTINID	Summer2	1243.83	-365.00	-205.41	-2555.00	0.3359	0.3657
SBE2	TINTINID	Winter	373.25	ne	ne	ne	0.6194	0.2332
SBE2	TINTIN_B	Annual	5.07	-0.24	-33.13	-1.68	0.5903	0.1699
SBE2	TINTIN_B	Fall	0.61	0.00	-3.43	-0.02	0.6951	0.7630
SBE2	TINTIN_B	SAV1	6.46	-0.50	-54.41	-3.51	0.6860	0.0881
SBE2	TINTIN_B	SAV2	7.01	-1.45	-145.03	-10.17	0.7118	0.0299
SBE2	TINTIN_B	Spring1	12.13	-1.60	-92.25	-11.19	0.6951	0.0348
SBE2	TINTIN_B	Spring2	11.97	-3.19	-186.86	-22.36	0.6951	0.0348
SBE2	TINTIN_B	Summer1	5.06	-1.64	-226.83	-11.48	0.5355	0.2963
SBE2	TINTIN_B	Summer2	3.98	-1.17	-205.43	-8.18	0.3359	0.3657
SBE2	TINTIN_B	Winter	1.19	ne	ne	ne	0.6194	0.2332
SBE2	SARCOD_B	Annual	0.01	0.00	0.00	0.00	ne	0.2207
SBE2	SARCODIN	Annual	1.13	0.00	0.00	0.00	ne	0.2207
SBE2	SARCOD_B	Fall	0.00	0.00	ne	0.00	ne	ne
SBE2	SARCODIN	Fall	0.00	0.00	ne	0.00	ne	ne
SBE2	SARCOD_B	SAV1	0.00	0.00	ne	0.00	ne	ne
SBE2	SARCODIN	SAV1	0.00	0.00	ne	0.00	ne	ne
SBE2	SARCOD_B	SAV2	0.02	0.00	0.00	0.00	ne	0.2207
SBE2	SARCODIN	SAV2	1.93	0.00	0.00	0.00	ne	0.2207
SBE2	SARCOD_B	Spring1	0.00	0.00	ne	0.00	ne	ne
SBE2	SARCODIN	Spring1	0.00	0.00	ne	0.00	ne	ne
SBE2	SARCOD_B	Spring2	0.05	0.00	0.00	0.00	ne	0.2207
SBE2	SARCODIN	Spring2	4.50	0.00	0.00	0.00	ne	0.2207
SBE2	SARCOD_B	Summer1	0.03	0.00	0.00	0.00	ne	0.2207
SBE2	SARCODIN	Summer1	3.38	0.00	0.00	0.00	ne	0.2207
SBE2	SARCOD_B	Summer2	0.00	0.00	ne	0.00	ne	ne
SBE2	SARCODIN	Summer2	0.00	0.00	ne	0.00	ne	ne
SBE2	SARCOD_B	Winter	0.00	0.00	ne	0.00	ne	ne
SBE2	SARCODIN	Winter	0.00	0.00	ne	0.00	ne	ne
SBE2	POLYLARV	Annual	13.33	1.00	52.50	7.00	0.7285	0.2059
SBE2	POLYLARV	Fall	3.67	0.00	0.00	0.00	0.7613	1.0000
SBE2	POLYLARV	SAV1	13.50	0.50	25.93	3.50	0.6234	0.8273
SBE2	POLYLARV	SAV2	21.43	10.00	326.66	70.00	0.3432	0.4206
SBE2	POLYLARV	Spring1	18.83	7.00	260.18	49.00	0.3359	0.3657
SBE2	POLYLARV	Spring2	32.33	10.00	216.50	70.00	0.2335	0.7630
SBE2	POLYLARV	Summer1	22.25	12.00	377.53	84.00	0.2913	0.4171
SBE2	POLYLARV	Summer2	14.67	14.00	668.17	98.00	0.2850	0.2059
SBE2	POLYLARV	Winter	1.75	ne	ne	ne	0.3865	0.3865
SBE2	POLYLV_B	Annual	13.33	1.00	52.50	7.00	0.7285	0.2059
SBE2	POLYLV_B	Fall	3.67	0.00	0.00	0.00	0.7613	1.0000
SBE2	POLYLV_B	SAV1	13.50	0.50	25.93	3.50	0.6234	0.8273
SBE2	POLYLV_B	SAV2	21.43	10.00	326.66	70.00	0.3432	0.4206
SBE2	POLYLV_B	Spring1	18.83	7.00	260.18	49.00	0.3359	0.3657
SBE2	POLYLV_B	Spring2	32.33	10.00	216.50	70.00	0.2335	0.7630
SBE2	POLYLV_B	Summer1	22.25	12.00	377.53	84.00	0.2913	0.4171
SBE2	POLYLV_B	Summer2	14.67	14.00	668.17	98.00	0.2850	0.2059
SBE2	POLYLV_B	Winter	1.75	ne	ne	ne	0.3865	0.3865
SBE2	BARNNAUP	Annual	0.88	0.00	0.00	0.00	0.9126	0.7180

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
SBE2	BARNAUP	Fall	0.33	0.00	0.00	0.00	0.3865	0.3865
SBE2	BARNAUP	SAV1	0.42	0.00	0.00	0.00	0.5220	0.7917
SBE2	BARNAUP	SAV2	1.00	0.00	0.00	0.00	0.5626	0.6547
SBE2	BARNAUP	Spring1	0.17	0.00	0.00	0.00	0.3865	0.3865
SBE2	BARNAUP	Spring2	1.00	0.00	0.00	0.00	0.6194	0.2332
SBE2	BARNAUP	Summer1	1.63	0.75	323.08	5.25	0.8451	0.6015
SBE2	BARNAUP	Summer2	1.17	1.00	599.83	7.00	0.6951	0.7630
SBE2	BARNAUP	Winter	1.25	ne	ne	ne	1.0000	1.0000
SBE2	BARNAU_B	Annual	0.88	0.00	0.00	0.00	0.9126	0.7180
SBE2	BARNAU_B	Fall	0.33	0.00	0.00	0.00	0.3865	0.3865
SBE2	BARNAU_B	SAV1	0.42	0.00	0.00	0.00	0.5220	0.7917
SBE2	BARNAU_B	SAV2	1.00	0.00	0.00	0.00	0.5626	0.6547
SBE2	BARNAU_B	Spring1	0.17	0.00	0.00	0.00	0.3865	0.3865
SBE2	BARNAU_B	Spring2	1.00	0.00	0.00	0.00	0.6194	0.2332
SBE2	BARNAU_B	Summer1	1.63	0.75	323.08	5.25	0.8451	0.6015
SBE2	BARNAU_B	Summer2	1.17	1.00	599.83	7.00	0.6951	0.7630
SBE2	BARNAU_B	Winter	1.25	ne	ne	ne	1.0000	1.0000
SBE5	TOTMCZA	Annual	6543.13	-320.97	-34.34	-2246.80	0.9163	0.0000
SBE5	TOTMCZA	Fall	2221.17	-228.32	-71.95	-1598.22	0.8283	0.0026
SBE5	TOTMCZA	SAV1	3872.25	-329.12	-59.50	-2303.81	0.9614	0.0002
SBE5	TOTMCZA	SAV2	8610.86	-504.73	-41.03	-3533.12	0.7136	0.0004
SBE5	TOTMCZA	Spring1	5196.00	-348.44	-46.94	-2439.07	0.9035	0.0407
SBE5	TOTMCZA	Spring2	7506.33	-657.96	-61.36	-4605.75	0.7593	0.0161
SBE5	TOTMCZA	Summer1	12285.25	-735.67	-41.92	-5149.67	0.4122	0.0123
SBE5	TOTMCZA	Summer2	11712.00	-522.39	-31.22	-3656.72	0.3092	0.0710
SBE5	TOTMCZA	Winter	3562.50	-225.56	-44.32	-1578.94	0.3763	0.2382
SBE5	TOTMCZB	Annual	56.30	-3.11	-38.67	-21.77	0.3169	0.0009
SBE5	TOTMCZB	Fall	27.06	-1.98	-51.08	-13.83	0.3324	0.0161
SBE5	TOTMCZB	SAV1	40.02	-3.36	-58.74	-23.51	0.5287	0.0038
SBE5	TOTMCZB	SAV2	67.34	-5.23	-54.37	-36.62	0.8049	0.0003
SBE5	TOTMCZB	Spring1	44.06	-2.89	-45.85	-20.20	0.4987	0.2786
SBE5	TOTMCZB	Spring2	59.54	-6.75	-79.33	-47.23	0.6664	0.0222
SBE5	TOTMCZB	Summer1	87.17	-5.30	-42.53	-37.07	0.7697	0.0123
SBE5	TOTMCZB	Summer2	83.69	-4.37	-36.54	-30.58	0.7376	0.0710
SBE5	TOTMCZB	Winter	56.79	-1.55	-19.14	-10.87	0.0183	0.7681
SBE5	COPENAUP	Annual	79.71	-1.89	-16.58	-13.22	0.3699	0.0913
SBE5	COPENAUP	Fall	90.00	-3.25	-25.28	-22.75	0.8127	0.3657
SBE5	COPENAUP	SAV1	95.83	-4.94	-36.07	-34.57	0.5156	0.0881
SBE5	COPENAUP	SAV2	113.57	-8.06	-49.70	-56.44	0.4787	0.0130
SBE5	COPENAUP	Spring1	46.50	-1.29	-19.36	-9.00	0.4013	0.7180
SBE5	COPENAUP	Spring2	76.50	-5.50	-50.33	-38.50	0.2674	0.0407
SBE5	COPENAUP	Summer1	133.25	-11.56	-60.74	-80.94	0.2217	0.0248
SBE5	COPENAUP	Summer2	143.50	-10.56	-51.53	-73.94	0.2766	0.2054
SBE5	COPENAUP	Winter	7.00	1.04	104.20	7.29	0.1821	0.5532
SBE5	COPENP_B	Annual	5.66	-0.13	-16.58	-0.94	0.3699	0.0913
SBE5	COPENP_B	Fall	6.39	-0.23	-25.31	-1.62	0.8127	0.3657
SBE5	COPENP_B	SAV1	6.80	-0.35	-36.11	-2.46	0.5156	0.0881
SBE5	COPENP_B	SAV2	8.06	-0.57	-49.65	-4.00	0.4787	0.0130
SBE5	COPENP_B	Spring1	3.30	-0.09	-19.29	-0.64	0.4013	0.7180

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
SBE5	COPENP_B	Spring2	5.43	-0.39	-50.39	-2.74	0.2674	0.0407
SBE5	COPENP_B	Summer1	9.46	-0.82	-60.74	-5.75	0.2217	0.0248
SBE5	COPENP_B	Summer2	10.19	-0.75	-51.53	-5.25	0.2766	0.2054
SBE5	COPENP_B	Winter	0.50	0.07	104.23	0.52	0.1821	0.5532
SBE5	ROTIFERS	Annual	96.50	0.00	0.00	0.00	0.4263	1.0000
SBE5	ROTIFERS	Fall	21.33	-1.25	-41.02	-8.75	0.5369	0.5873
SBE5	ROTIFERS	SAV1	42.25	0.00	0.00	0.00	0.5092	0.9317
SBE5	ROTIFERS	SAV2	18.00	0.68	26.56	4.78	0.8174	0.2674
SBE5	ROTIFERS	Spring1	58.83	-0.37	-4.35	-2.56	0.7003	0.5438
SBE5	ROTIFERS	Spring2	25.17	0.00	0.00	0.00	0.8105	1.0000
SBE5	ROTIFERS	Summer1	27.38	2.50	63.93	17.50	0.6147	0.1919
SBE5	ROTIFERS	Summer2	14.67	3.75	178.97	26.25	0.4636	0.1655
SBE5	ROTIFERS	Winter	404.00	-4.18	-7.24	-29.24	0.0270	0.6583
SBE5	ROTIFR_B	Annual	7.91	0.00	0.00	0.00	0.4263	1.0000
SBE5	ROTIFR_B	Fall	1.75	-0.10	-41.22	-0.72	0.5369	0.5873
SBE5	ROTIFR_B	SAV1	3.47	0.00	0.00	0.00	0.5092	0.9317
SBE5	ROTIFR_B	SAV2	1.48	0.06	26.56	0.39	0.8174	0.2674
SBE5	ROTIFR_B	Spring1	4.82	-0.03	-4.35	-0.21	0.7003	0.5438
SBE5	ROTIFR_B	Spring2	2.06	0.00	0.00	0.00	0.8105	1.0000
SBE5	ROTIFR_B	Summer1	2.25	0.21	63.92	1.44	0.6147	0.1919
SBE5	ROTIFR_B	Summer2	1.20	0.31	179.22	2.16	0.4636	0.1655
SBE5	ROTIFR_B	Winter	33.13	-0.34	-7.25	-2.40	0.0270	0.6583
SBE5	OLIGTRCH	Annual	5278.79	-232.00	-30.76	-1624.00	0.8692	0.0001
SBE5	OLIGTRCH	Fall	1600.33	-156.19	-68.32	-1093.33	0.8258	0.0025
SBE5	OLIGTRCH	SAV1	2792.58	-221.85	-55.61	-1552.95	0.8158	0.0016
SBE5	OLIGTRCH	SAV2	7039.07	-263.83	-26.24	-1846.83	0.5449	0.0057
SBE5	OLIGTRCH	Spring1	3842.83	-249.32	-45.41	-1745.21	0.9856	0.2286
SBE5	OLIGTRCH	Spring2	5866.17	-390.99	-46.66	-2736.94	0.5935	0.0710
SBE5	OLIGTRCH	Summer1	10415.13	-483.77	-32.51	-3386.40	0.2710	0.0371
SBE5	OLIGTRCH	Summer2	10098.33	-329.31	-22.83	-2305.19	0.2248	0.1854
SBE5	OLIGTRCH	Winter	2677.75	-233.13	-60.94	-1631.88	0.9448	0.0891
SBE5	OLIGTR_B	Annual	27.45	-1.21	-30.75	-8.44	0.8692	0.0001
SBE5	OLIGTR_B	Fall	8.32	-0.81	-68.30	-5.68	0.8258	0.0025
SBE5	OLIGTR_B	SAV1	14.52	-1.15	-55.63	-8.08	0.8158	0.0016
SBE5	OLIGTR_B	SAV2	36.60	-1.37	-26.24	-9.60	0.5449	0.0057
SBE5	OLIGTR_B	Spring1	19.98	-1.30	-45.40	-9.07	0.9856	0.2286
SBE5	OLIGTR_B	Spring2	30.50	-2.03	-46.65	-14.23	0.5935	0.0710
SBE5	OLIGTR_B	Summer1	54.16	-2.52	-32.52	-17.61	0.2710	0.0371
SBE5	OLIGTR_B	Summer2	52.51	-1.71	-22.82	-11.98	0.2248	0.1854
SBE5	OLIGTR_B	Winter	13.92	-1.21	-60.93	-8.48	0.9448	0.0891
SBE5	MCZCLAD	Annual	0.00	0.00	ne	0.00	0.9512	0.3711
SBE5	MCZCLAD	Fall	0.00	0.00	ne	0.00	ne	0.6985
SBE5	MCZCLAD	SAV1	0.00	0.00	ne	0.00	0.7842	0.4113
SBE5	MCZCLAD	SAV2	0.00	0.00	ne	0.00	0.9512	0.3711
SBE5	MCZCLAD	Spring1	0.00	0.00	ne	0.00	ne	0.4386
SBE5	MCZCLAD	Spring2	0.00	0.00	ne	0.00	ne	0.4386
SBE5	MCZCLAD	Summer1	0.00	0.00	ne	0.00	ne	0.6985
SBE5	MCZCLAD	Summer2	0.00	0.00	ne	0.00	ne	0.6985
SBE5	MCZCLAD	Winter	0.00	0.00	ne	0.00	ne	ne

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
SBE5	MCZCLADB	Annual	0.00	0.00	ne	0.00	0.9512	0.3711
SBE5	MCZCLADB	Fall	0.00	0.00	ne	0.00	ne	0.6985
SBE5	MCZCLADB	SAV1	0.00	0.00	ne	0.00	0.7842	0.4113
SBE5	MCZCLADB	SAV2	0.00	0.00	ne	0.00	0.9512	0.3711
SBE5	MCZCLADB	Spring1	0.00	0.00	ne	0.00	ne	0.4386
SBE5	MCZCLADB	Spring2	0.00	0.00	ne	0.00	ne	0.4386
SBE5	MCZCLADB	Summer1	0.00	0.00	ne	0.00	ne	0.6985
SBE5	MCZCLADB	Summer2	0.00	0.00	ne	0.00	ne	0.6985
SBE5	MCZCLADB	Winter	0.00	0.00	ne	0.00	ne	ne
SBE5	TINTINID	Annual	1076.00	-53.44	-34.76	-374.07	0.7251	0.0016
SBE5	TINTINID	Fall	500.50	-13.71	-19.17	-95.96	0.1334	0.3994
SBE5	TINTINID	SAV1	928.75	-82.44	-62.13	-577.07	0.5411	0.0171
SBE5	TINTINID	SAV2	1423.07	-125.10	-61.54	-875.73	0.7534	0.0074
SBE5	TINTINID	Spring1	1235.83	-92.33	-52.30	-646.31	0.3955	0.1176
SBE5	TINTINID	Spring2	1521.83	-102.23	-47.02	-715.58	0.4916	0.2286
SBE5	TINTINID	Summer1	1692.75	-129.30	-53.47	-905.10	0.9043	0.0606
SBE5	TINTINID	Summer2	1439.17	-123.69	-60.16	-865.82	0.7593	0.0919
SBE5	TINTINID	Winter	466.00	-28.33	-42.56	-198.33	0.7073	0.0321
SBE5	TINTIN_B	Annual	3.44	-0.17	-34.77	-1.20	0.7251	0.0016
SBE5	TINTIN_B	Fall	1.60	-0.04	-19.23	-0.31	0.1334	0.3994
SBE5	TINTIN_B	SAV1	2.97	-0.26	-62.18	-1.85	0.5411	0.0171
SBE5	TINTIN_B	SAV2	4.55	-0.40	-61.48	-2.80	0.7534	0.0074
SBE5	TINTIN_B	Spring1	3.96	-0.30	-52.21	-2.07	0.3955	0.1176
SBE5	TINTIN_B	Spring2	4.87	-0.33	-47.00	-2.29	0.4916	0.2286
SBE5	TINTIN_B	Summer1	5.42	-0.41	-53.50	-2.90	0.9043	0.0606
SBE5	TINTIN_B	Summer2	4.61	-0.40	-60.20	-2.77	0.7593	0.0919
SBE5	TINTIN_B	Winter	1.49	-0.09	-42.72	-0.64	0.7073	0.0321
SBE5	SARCOD_B	Annual	0.00	0.00	0.00	0.00	0.4902	0.0094
SBE5	SARCODIN	Annual	0.29	0.00	0.00	0.00	0.4902	0.0094
SBE5	SARCOD_B	Fall	0.00	0.00	ne	0.00	ne	0.6985
SBE5	SARCODIN	Fall	0.00	0.00	ne	0.00	ne	0.6985
SBE5	SARCOD_B	SAV1	0.01	0.00	0.00	0.00	0.1767	0.0334
SBE5	SARCODIN	SAV1	0.58	0.00	0.00	0.00	0.1767	0.0334
SBE5	SARCOD_B	SAV2	0.01	0.00	0.00	0.00	0.6187	0.1596
SBE5	SARCODIN	SAV2	0.50	0.00	0.00	0.00	0.6187	0.1596
SBE5	SARCOD_B	Spring1	0.00	0.00	ne	0.00	0.3407	0.0038
SBE5	SARCODIN	Spring1	0.00	0.00	ne	0.00	0.3407	0.0038
SBE5	SARCOD_B	Spring2	0.00	0.00	ne	0.00	0.5474	0.0587
SBE5	SARCODIN	Spring2	0.00	0.00	ne	0.00	0.5474	0.0587
SBE5	SARCOD_B	Summer1	0.01	0.00	0.00	0.00	0.4846	0.7172
SBE5	SARCODIN	Summer1	0.88	0.00	0.00	0.00	0.4846	0.7172
SBE5	SARCOD_B	Summer2	0.01	0.00	0.00	0.00	0.3057	1.0000
SBE5	SARCODIN	Summer2	1.17	0.00	0.00	0.00	0.3057	1.0000
SBE5	SARCOD_B	Winter	0.00	0.00	ne	0.00	ne	0.2453
SBE5	SARCODIN	Winter	0.00	0.00	ne	0.00	ne	0.2453
SBE5	POLYLARV	Annual	10.08	-0.33	-23.12	-2.33	0.3905	0.0158
SBE5	POLYLARV	Fall	8.17	-0.25	-21.43	-1.75	0.2606	0.1768
SBE5	POLYLARV	SAV1	10.00	-0.54	-37.52	-3.75	0.1723	0.0655
SBE5	POLYLARV	SAV2	14.86	-0.89	-41.84	-6.22	0.9262	0.0014

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
SBE5	POLYLARV	Spring1	8.83	-0.11	-8.96	-0.79	0.0674	0.7160
SBE5	POLYLARV	Spring2	14.17	-1.00	-49.41	-7.00	0.9759	0.0341
SBE5	POLYLARV	Summer1	15.13	-0.67	-30.87	-4.67	0.7098	0.0319
SBE5	POLYLARV	Summer2	14.17	-0.68	-33.75	-4.78	0.5301	0.0907
SBE5	POLYLARV	Winter	4.75	0.00	0.00	0.00	0.3602	0.4413
SBE5	POLYLV_B	Annual	10.08	-0.33	-23.12	-2.33	0.3905	0.0158
SBE5	POLYLV_B	Fall	8.17	-0.25	-21.43	-1.75	0.2606	0.1768
SBE5	POLYLV_B	SAV1	10.00	-0.54	-37.52	-3.75	0.1723	0.0655
SBE5	POLYLV_B	SAV2	14.86	-0.89	-41.84	-6.22	0.9262	0.0014
SBE5	POLYLV_B	Spring1	8.83	-0.11	-8.96	-0.79	0.0674	0.7160
SBE5	POLYLV_B	Spring2	14.17	-1.00	-49.41	-7.00	0.9759	0.0341
SBE5	POLYLV_B	Summer1	15.13	-0.67	-30.87	-4.67	0.7098	0.0319
SBE5	POLYLV_B	Summer2	14.17	-0.68	-33.75	-4.78	0.5301	0.0907
SBE5	POLYLV_B	Winter	4.75	0.00	0.00	0.00	0.3602	0.4413
SBE5	BARNNAUP	Annual	1.75	0.00	0.00	0.00	0.7119	0.4012
SBE5	BARNNAUP	Fall	0.83	0.00	0.00	0.00	0.2353	0.7137
SBE5	BARNNAUP	SAV1	2.25	0.00	0.00	0.00	0.7076	0.6162
SBE5	BARNNAUP	SAV2	1.79	0.00	0.00	0.00	0.5150	0.9669
SBE5	BARNNAUP	Spring1	3.17	0.09	20.78	0.66	0.7992	0.6259
SBE5	BARNNAUP	Spring2	2.50	0.00	0.00	0.00	0.9241	1.0000
SBE5	BARNNAUP	Summer1	0.75	0.00	0.00	0.00	0.4061	0.5812
SBE5	BARNNAUP	Summer2	1.00	0.00	0.00	0.00	0.2558	0.4798
SBE5	BARNNAUP	Winter	3.00	0.11	26.37	0.79	0.3280	0.3267
SBE5	BARNAU_B	Annual	1.75	0.00	0.00	0.00	0.7119	0.4012
SBE5	BARNAU_B	Fall	0.83	0.00	0.00	0.00	0.2353	0.7137
SBE5	BARNAU_B	SAV1	2.25	0.00	0.00	0.00	0.7076	0.6162
SBE5	BARNAU_B	SAV2	1.79	0.00	0.00	0.00	0.5150	0.9669
SBE5	BARNAU_B	Spring1	3.17	0.09	20.78	0.66	0.7992	0.6259
SBE5	BARNAU_B	Spring2	2.50	0.00	0.00	0.00	0.9241	1.0000
SBE5	BARNAU_B	Summer1	0.75	0.00	0.00	0.00	0.4061	0.5812
SBE5	BARNAU_B	Summer2	1.00	0.00	0.00	0.00	0.2558	0.4798
SBE5	BARNAU_B	Winter	3.00	0.11	26.37	0.79	0.3280	0.3267
TF4.2	TOTMCZA	Annual	2826.75	15.42	3.82	107.92	0.5730	0.7112
TF4.2	TOTMCZA	Fall	2748.33	-142.41	-36.27	-996.88	0.3955	0.0919
TF4.2	TOTMCZA	SAV1	2169.42	18.63	6.01	130.43	0.7245	0.7335
TF4.2	TOTMCZA	SAV2	3649.07	64.52	12.38	451.62	0.8881	0.4589
TF4.2	TOTMCZA	Spring1	1495.83	194.69	91.11	1362.82	0.4987	0.2786
TF4.2	TOTMCZA	Spring2	1619.17	210.08	90.82	1470.58	0.6807	0.1635
TF4.2	TOTMCZA	Summer1	5049.13	18.46	2.56	129.21	0.9876	0.9102
TF4.2	TOTMCZA	Summer2	5996.83	-5.73	-0.67	-40.12	0.9575	1.0000
TF4.2	TOTMCZA	Winter	496.00	248.42	350.59	1738.92	0.7681	0.1404
TF4.2	TOTMCZB	Annual	56.66	-0.37	-4.51	-2.56	0.5947	0.4225
TF4.2	TOTMCZB	Fall	31.82	-2.12	-46.64	-14.84	0.4916	0.0541
TF4.2	TOTMCZB	SAV1	39.35	-0.56	-9.96	-3.92	0.4248	0.4959
TF4.2	TOTMCZB	SAV2	87.73	-1.71	-13.65	-11.98	0.4350	0.2847
TF4.2	TOTMCZB	Spring1	12.51	0.59	33.24	4.16	0.7376	0.4701
TF4.2	TOTMCZB	Spring2	53.02	0.51	6.73	3.57	0.5530	0.6124
TF4.2	TOTMCZB	Summer1	133.69	-4.53	-23.70	-31.68	0.7710	0.2595
TF4.2	TOTMCZB	Summer2	133.36	-4.18	-21.91	-29.23	0.5732	0.3109

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
TF4.2	TOTMCZB	Winter	6.09	1.03	118.01	7.18	0.6583	0.3020
TF4.2	COPENAUP	Annual	50.79	0.00	0.00	0.00	0.2772	0.9014
TF4.2	COPENAUP	Fall	47.00	0.42	6.21	2.92	0.0864	0.3977
TF4.2	COPENAUP	SAV1	54.50	0.46	5.88	3.21	0.1657	0.7330
TF4.2	COPENAUP	SAV2	82.21	-1.83	-15.61	-12.83	0.9407	0.2324
TF4.2	COPENAUP	Spring1	19.33	0.20	7.24	1.40	0.2993	0.9519
TF4.2	COPENAUP	Spring2	54.17	-1.13	-14.65	-7.94	0.6258	0.6124
TF4.2	COPENAUP	Summer1	100.50	-1.57	-10.94	-11.00	0.8843	0.6113
TF4.2	COPENAUP	Summer2	96.83	-2.00	-14.46	-14.00	0.8374	0.4852
TF4.2	COPENAUP	Winter	4.25	0.00	0.00	0.00	0.0366	0.8813
TF4.2	COPENP_B	Annual	3.61	0.00	0.00	0.00	0.2772	0.9014
TF4.2	COPENP_B	Fall	3.34	0.03	6.29	0.21	0.0864	0.3977
TF4.2	COPENP_B	SAV1	3.87	0.03	5.97	0.23	0.1657	0.7330
TF4.2	COPENP_B	SAV2	5.84	-0.13	-15.59	-0.91	0.9407	0.2324
TF4.2	COPENP_B	Spring1	1.37	0.01	7.14	0.10	0.2993	0.9519
TF4.2	COPENP_B	Spring2	3.85	-0.08	-14.74	-0.57	0.6258	0.6124
TF4.2	COPENP_B	Summer1	7.14	-0.11	-10.99	-0.78	0.8843	0.6113
TF4.2	COPENP_B	Summer2	6.88	-0.14	-14.46	-0.99	0.8374	0.4852
TF4.2	COPENP_B	Winter	0.30	0.00	0.00	0.00	0.0366	0.8813
TF4.2	ROTIFERS	Annual	275.21	-1.50	-3.82	-10.50	0.3661	0.3542
TF4.2	ROTIFERS	Fall	106.17	1.70	11.21	11.90	0.0993	0.6729
TF4.2	ROTIFERS	SAV1	215.42	-0.35	-1.14	-2.45	0.3418	0.8983
TF4.2	ROTIFERS	SAV2	449.00	-5.91	-9.21	-41.36	0.4880	0.1742
TF4.2	ROTIFERS	Spring1	21.83	-0.35	-11.22	-2.45	0.5033	0.8564
TF4.2	ROTIFERS	Spring2	243.50	0.59	1.71	4.16	0.9327	0.6569
TF4.2	ROTIFERS	Summer1	713.00	-17.06	-16.75	-119.44	0.4365	0.1427
TF4.2	ROTIFERS	Summer2	719.00	-34.25	-33.34	-239.75	0.3751	0.0996
TF4.2	ROTIFERS	Winter	33.25	-1.08	-22.63	-7.53	0.2382	0.5553
TF4.2	ROTIFR_B	Annual	22.57	-0.12	-3.82	-0.86	0.3661	0.3542
TF4.2	ROTIFR_B	Fall	8.71	0.14	11.18	0.97	0.0993	0.6729
TF4.2	ROTIFR_B	SAV1	17.66	-0.03	-1.15	-0.20	0.3418	0.8983
TF4.2	ROTIFR_B	SAV2	36.82	-0.48	-9.20	-3.39	0.4880	0.1742
TF4.2	ROTIFR_B	Spring1	1.79	-0.03	-11.34	-0.20	0.5033	0.8564
TF4.2	ROTIFR_B	Spring2	19.97	0.05	1.72	0.34	0.9327	0.6569
TF4.2	ROTIFR_B	Summer1	58.47	-1.40	-16.75	-9.79	0.4365	0.1427
TF4.2	ROTIFR_B	Summer2	58.96	-2.81	-33.35	-19.66	0.3751	0.0996
TF4.2	ROTIFR_B	Winter	2.73	-0.09	-22.59	-0.62	0.2382	0.5553
TF4.2	OLIGTRCH	Annual	1521.96	-27.12	-12.47	-189.83	0.0636	0.4403
TF4.2	OLIGTRCH	Fall	2328.00	-87.83	-26.41	-614.83	0.0956	0.0803
TF4.2	OLIGTRCH	SAV1	1385.25	-20.49	-10.35	-143.44	0.1435	0.7984
TF4.2	OLIGTRCH	SAV2	1566.57	8.38	3.74	58.63	0.4470	0.8050
TF4.2	OLIGTRCH	Spring1	1349.17	-49.96	-25.92	-349.71	0.0864	0.5472
TF4.2	OLIGTRCH	Spring2	1028.17	-21.71	-14.78	-152.00	0.1494	0.8000
TF4.2	OLIGTRCH	Summer1	1721.88	-36.38	-14.79	-254.63	0.3343	0.6520
TF4.2	OLIGTRCH	Summer2	2049.67	22.13	7.56	154.88	0.4916	0.8000
TF4.2	OLIGTRCH	Winter	172.25	71.25	289.55	498.75	0.6583	0.1048
TF4.2	OLIGTR_B	Annual	7.91	-0.14	-12.47	-0.99	0.0636	0.4403
TF4.2	OLIGTR_B	Fall	12.11	-0.46	-26.42	-3.20	0.0956	0.0803
TF4.2	OLIGTR_B	SAV1	7.20	-0.11	-10.40	-0.75	0.1435	0.7984

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
TF4.2	OLIGTR_B	SAV2	8.15	0.04	3.78	0.31	0.4470	0.8050
TF4.2	OLIGTR_B	Spring1	7.02	-0.26	-25.94	-1.82	0.0864	0.5472
TF4.2	OLIGTR_B	Spring2	5.35	-0.11	-14.80	-0.79	0.1494	0.8000
TF4.2	OLIGTR_B	Summer1	8.95	-0.19	-14.78	-1.32	0.3343	0.6520
TF4.2	OLIGTR_B	Summer2	10.66	0.12	7.55	0.81	0.4916	0.8000
TF4.2	OLIGTR_B	Winter	0.90	0.37	289.84	2.60	0.6583	0.1048
TF4.2	MCZCLAD	Annual	18.46	-0.13	-4.74	-0.88	0.9853	0.0006
TF4.2	MCZCLAD	Fall	6.50	0.00	0.00	0.00	0.5343	0.0497
TF4.2	MCZCLAD	SAV1	7.58	-0.20	-18.46	-1.40	0.9668	0.0031
TF4.2	MCZCLAD	SAV2	30.43	-0.45	-10.35	-3.15	0.9309	0.0180
TF4.2	MCZCLAD	Spring1	1.17	0.00	0.00	0.00	0.7105	0.0698
TF4.2	MCZCLAD	Spring2	22.17	-0.13	-4.23	-0.94	0.8022	0.2053
TF4.2	MCZCLAD	Summer1	49.00	-1.00	-14.29	-7.00	0.7775	0.1262
TF4.2	MCZCLAD	Summer2	44.17	-1.08	-17.16	-7.58	0.6087	0.1444
TF4.2	MCZCLAD	Winter	1.25	0.00	0.00	0.00	0.9167	0.0887
TF4.2	MCZCLADB	Annual	18.46	-0.13	-4.74	-0.88	0.9853	0.0006
TF4.2	MCZCLADB	Fall	6.50	0.00	0.00	0.00	0.5343	0.0497
TF4.2	MCZCLADB	SAV1	7.58	-0.20	-18.46	-1.40	0.9668	0.0031
TF4.2	MCZCLADB	SAV2	30.43	-0.45	-10.35	-3.15	0.9309	0.0180
TF4.2	MCZCLADB	Spring1	1.17	0.00	0.00	0.00	0.7105	0.0698
TF4.2	MCZCLADB	Spring2	22.17	-0.13	-4.23	-0.94	0.8022	0.2053
TF4.2	MCZCLADB	Summer1	49.00	-1.00	-14.29	-7.00	0.7775	0.1262
TF4.2	MCZCLADB	Summer2	44.17	-1.08	-17.16	-7.58	0.6087	0.1444
TF4.2	MCZCLADB	Winter	1.25	0.00	0.00	0.00	0.9167	0.0887
TF4.2	TINTINID	Annual	959.29	-0.50	-0.36	-3.50	0.7853	0.8772
TF4.2	TINTINID	Fall	260.33	-9.98	-26.83	-69.85	0.4146	0.3657
TF4.2	TINTINID	SAV1	505.25	-7.05	-9.76	-49.34	0.4484	0.4681
TF4.2	TINTINID	SAV2	1519.21	-1.39	-0.64	-9.75	0.4340	0.9343
TF4.2	TINTINID	Spring1	103.50	30.50	206.28	213.50	0.7491	0.3977
TF4.2	TINTINID	Spring2	270.33	33.50	86.74	234.50	0.7523	0.5249
TF4.2	TINTINID	Summer1	2462.50	63.87	18.15	447.06	0.4250	0.8216
TF4.2	TINTINID	Summer2	3084.33	49.74	11.29	348.18	0.2495	0.8992
TF4.2	TINTINID	Winter	285.00	-8.61	-21.15	-60.29	0.7681	0.5553
TF4.2	TINTIN_B	Annual	3.07	0.00	-0.46	-0.01	0.7853	0.8772
TF4.2	TINTIN_B	Fall	0.83	-0.03	-26.89	-0.22	0.4146	0.3657
TF4.2	TINTIN_B	SAV1	1.62	-0.02	-9.96	-0.16	0.4484	0.4681
TF4.2	TINTIN_B	SAV2	4.86	0.00	-0.58	-0.03	0.4340	0.9343
TF4.2	TINTIN_B	Spring1	0.33	0.10	207.25	0.69	0.7491	0.3977
TF4.2	TINTIN_B	Spring2	0.87	0.11	86.59	0.75	0.7523	0.5249
TF4.2	TINTIN_B	Summer1	7.88	0.20	18.12	1.43	0.4250	0.8216
TF4.2	TINTIN_B	Summer2	9.87	0.16	11.28	1.11	0.2495	0.8992
TF4.2	TINTIN_B	Winter	0.91	-0.03	-21.49	-0.20	0.7681	0.5553
TF4.2	SARCOD_B	Annual	0.00	0.00	ne	0.00	0.9713	0.6981
TF4.2	SARCODIN	Annual	0.00	0.00	ne	0.00	0.9713	0.6981
TF4.2	SARCOD_B	Fall	0.00	0.00	ne	0.00	0.9936	0.5988
TF4.2	SARCODIN	Fall	0.00	0.00	ne	0.00	0.9936	0.5988
TF4.2	SARCOD_B	SAV1	0.00	0.00	ne	0.00	0.8235	0.8761
TF4.2	SARCODIN	SAV1	0.00	0.00	ne	0.00	0.8235	0.8761
TF4.2	SARCOD_B	SAV2	0.00	0.00	ne	0.00	0.9652	0.6027

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute	Homogeneity	
						Change	Test p Value	p Value
TF4.2	SARCODIN	SAV2	0.00	0.00	ne	0.00	0.9652	0.6027
TF4.2	SARCOD_B	Spring1	0.00	0.00	ne	0.00	ne	0.4386
TF4.2	SARCODIN	Spring1	0.00	0.00	ne	0.00	ne	0.4386
TF4.2	SARCOD_B	Spring2	0.00	0.00	ne	0.00	0.7301	0.4894
TF4.2	SARCODIN	Spring2	0.00	0.00	ne	0.00	0.7301	0.4894
TF4.2	SARCOD_B	Summer1	0.00	0.00	ne	0.00	0.9601	0.5797
TF4.2	SARCODIN	Summer1	0.00	0.00	ne	0.00	0.9601	0.5797
TF4.2	SARCOD_B	Summer2	0.00	0.00	ne	0.00	0.8611	0.6353
TF4.2	SARCODIN	Summer2	0.00	0.00	ne	0.00	0.8611	0.6353
TF4.2	SARCOD_B	Winter	0.00	0.00	ne	0.00	ne	ne
TF4.2	SARCODIN	Winter	0.00	0.00	ne	0.00	ne	ne
TF4.2	POLYLARV	Annual	0.50	0.00	0.00	0.00	0.4098	0.0292
TF4.2	POLYLARV	Fall	0.17	0.00	0.00	0.00	0.5627	0.0819
TF4.2	POLYLARV	SAV1	0.50	0.00	0.00	0.00	0.4848	0.0503
TF4.2	POLYLARV	SAV2	0.79	0.00	0.00	0.00	0.4936	0.0253
TF4.2	POLYLARV	Spring1	0.83	0.00	0.00	0.00	0.9429	0.0905
TF4.2	POLYLARV	Spring2	0.83	0.00	0.00	0.00	0.7550	0.1330
TF4.2	POLYLARV	Summer1	0.75	0.00	0.00	0.00	0.3329	0.2106
TF4.2	POLYLARV	Summer2	0.83	0.00	0.00	0.00	0.1886	0.3277
TF4.2	POLYLARV	Winter	0.00	0.00	ne	0.00	ne	0.2453
TF4.2	POLYLV_B	Annual	0.50	0.00	0.00	0.00	0.4098	0.0292
TF4.2	POLYLV_B	Fall	0.17	0.00	0.00	0.00	0.5627	0.0819
TF4.2	POLYLV_B	SAV1	0.50	0.00	0.00	0.00	0.4848	0.0503
TF4.2	POLYLV_B	SAV2	0.79	0.00	0.00	0.00	0.4936	0.0253
TF4.2	POLYLV_B	Spring1	0.83	0.00	0.00	0.00	0.9429	0.0905
TF4.2	POLYLV_B	Spring2	0.83	0.00	0.00	0.00	0.7550	0.1330
TF4.2	POLYLV_B	Summer1	0.75	0.00	0.00	0.00	0.3329	0.2106
TF4.2	POLYLV_B	Summer2	0.83	0.00	0.00	0.00	0.1886	0.3277
TF4.2	POLYLV_B	Winter	0.00	0.00	ne	0.00	ne	0.2453
TF4.2	BARNAUP	Annual	0.54	0.00	0.00	0.00	0.5384	0.1380
TF4.2	BARNAUP	Fall	0.17	0.00	0.00	0.00	0.9761	0.2652
TF4.2	BARNAUP	SAV1	0.92	0.00	0.00	0.00	0.9107	0.0633
TF4.2	BARNAUP	SAV2	0.86	0.00	0.00	0.00	0.2265	0.6766
TF4.2	BARNAUP	Spring1	0.00	0.00	ne	0.00	0.7604	0.0486
TF4.2	BARNAUP	Spring2	0.00	0.00	ne	0.00	ne	0.2453
TF4.2	BARNAUP	Summer1	1.50	0.00	0.00	0.00	0.1734	0.5988
TF4.2	BARNAUP	Summer2	2.00	0.00	0.00	0.00	0.1734	0.5988
TF4.2	BARNAUP	Winter	0.00	0.00	ne	0.00	ne	0.6985
TF4.2	BARNAU_B	Annual	0.54	0.00	0.00	0.00	0.5384	0.1380
TF4.2	BARNAU_B	Fall	0.17	0.00	0.00	0.00	0.9761	0.2652
TF4.2	BARNAU_B	SAV1	0.92	0.00	0.00	0.00	0.9107	0.0633
TF4.2	BARNAU_B	SAV2	0.86	0.00	0.00	0.00	0.2265	0.6766
TF4.2	BARNAU_B	Spring1	0.00	0.00	ne	0.00	0.7604	0.0486
TF4.2	BARNAU_B	Spring2	0.00	0.00	ne	0.00	ne	0.2453
TF4.2	BARNAU_B	Summer1	1.50	0.00	0.00	0.00	0.1734	0.5988
TF4.2	BARNAU_B	Summer2	2.00	0.00	0.00	0.00	0.1734	0.5988
TF4.2	BARNAU_B	Winter	0.00	0.00	ne	0.00	ne	0.6985
RET4.3	TOTMCZA	Annual	5474.92	235.88	30.16	1651.13	0.1744	0.1608
RET4.3	TOTMCZA	Fall	6016.83	50.56	5.88	353.94	0.6762	1.0000

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
RET4.3	TOTMCZA	SAV1	5230.92	235.06	31.46	1645.44	0.6966	0.4436
RET4.3	TOTMCZA	SAV2	6746.43	10.00	1.04	70.00	0.5679	0.9666
RET4.3	TOTMCZA	Spring1	3542.33	571.00	112.84	3997.00	0.5849	0.2286
RET4.3	TOTMCZA	Spring2	5522.83	638.20	80.89	4467.40	0.5249	0.3209
RET4.3	TOTMCZA	Summer1	8358.63	-399.50	-33.46	-2796.50	0.7630	0.2675
RET4.3	TOTMCZA	Summer2	7835.33	-489.25	-43.71	-3424.75	0.7644	0.2053
RET4.3	TOTMCZA	Winter	1793.50	1019.33	397.84	7135.33	0.3763	0.0012
RET4.3	TOTMCZB	Annual	49.96	2.51	35.15	17.56	0.2188	0.0660
RET4.3	TOTMCZB	Fall	59.45	4.05	47.66	28.33	0.7930	0.0919
RET4.3	TOTMCZB	SAV1	50.24	2.68	37.40	18.79	0.0955	0.0887
RET4.3	TOTMCZB	SAV2	59.46	0.77	9.05	5.38	0.0822	0.5297
RET4.3	TOTMCZB	Spring1	32.22	4.63	100.56	32.40	0.0418	0.1486
RET4.3	TOTMCZB	Spring2	42.52	2.85	46.89	19.94	0.0208	0.5514
RET4.3	TOTMCZB	Summer1	68.09	-1.55	-15.98	-10.88	0.5831	0.5209
RET4.3	TOTMCZB	Summer2	71.69	-1.71	-16.69	-11.96	0.4151	0.7040
RET4.3	TOTMCZB	Winter	26.10	4.49	120.30	31.40	0.3020	0.1845
RET4.3	COPENAUP	Annual	122.58	-1.83	-10.47	-12.83	0.9828	0.0862
RET4.3	COPENAUP	Fall	101.33	-1.31	-9.07	-9.19	0.9575	0.7180
RET4.3	COPENAUP	SAV1	172.25	-6.05	-24.59	-42.35	0.8403	0.1150
RET4.3	COPENAUP	SAV2	173.43	-3.71	-14.99	-26.00	0.8966	0.2244
RET4.3	COPENAUP	Spring1	185.83	-7.04	-26.53	-49.29	0.5137	0.1035
RET4.3	COPENAUP	Spring2	192.67	-14.00	-50.86	-98.00	0.5870	0.2086
RET4.3	COPENAUP	Summer1	129.13	-2.00	-10.84	-14.00	0.8128	0.5209
RET4.3	COPENAUP	Summer2	142.83	-1.81	-8.89	-12.69	0.7011	0.7040
RET4.3	COPENAUP	Winter	46.50	-0.92	-13.80	-6.42	0.7133	0.4161
RET4.3	COPENP_B	Annual	8.70	-0.13	-10.46	-0.91	0.9828	0.0862
RET4.3	COPENP_B	Fall	7.20	-0.09	-9.05	-0.65	0.9575	0.7180
RET4.3	COPENP_B	SAV1	12.23	-0.43	-24.61	-3.01	0.8403	0.1150
RET4.3	COPENP_B	SAV2	12.31	-0.26	-15.01	-1.85	0.8966	0.2244
RET4.3	COPENP_B	Spring1	13.19	-0.50	-26.53	-3.50	0.5137	0.1035
RET4.3	COPENP_B	Spring2	13.68	-0.99	-50.87	-6.96	0.5870	0.2086
RET4.3	COPENP_B	Summer1	9.17	-0.14	-10.84	-0.99	0.8128	0.5209
RET4.3	COPENP_B	Summer2	10.14	-0.13	-8.90	-0.90	0.7011	0.7040
RET4.3	COPENP_B	Winter	3.30	-0.07	-13.78	-0.46	0.7133	0.4161
RET4.3	ROTIFERS	Annual	142.67	14.13	69.30	98.88	0.8564	0.0045
RET4.3	ROTIFERS	Fall	284.50	39.25	96.57	274.75	0.6381	0.1854
RET4.3	ROTIFERS	SAV1	148.92	14.31	67.28	100.19	0.5605	0.0240
RET4.3	ROTIFERS	SAV2	146.93	15.00	71.46	105.00	0.6317	0.0323
RET4.3	ROTIFERS	Spring1	13.00	11.17	601.30	78.17	0.3056	0.0466
RET4.3	ROTIFERS	Spring2	11.83	9.00	532.41	63.00	0.3175	0.0727
RET4.3	ROTIFERS	Summer1	177.25	19.50	77.01	136.50	0.4627	0.1606
RET4.3	ROTIFERS	Summer2	232.67	17.41	52.37	121.84	0.5726	0.4473
RET4.3	ROTIFERS	Winter	55.25	10.58	133.98	74.03	1.0000	0.3763
RET4.3	ROTIFR_B	Annual	11.70	1.16	69.29	8.11	0.8564	0.0045
RET4.3	ROTIFR_B	Fall	23.33	3.22	96.59	22.53	0.6381	0.1854
RET4.3	ROTIFR_B	SAV1	12.21	1.17	67.30	8.22	0.5605	0.0240
RET4.3	ROTIFR_B	SAV2	12.05	1.23	71.46	8.61	0.6317	0.0323
RET4.3	ROTIFR_B	Spring1	1.07	0.92	601.50	6.41	0.3056	0.0466
RET4.3	ROTIFR_B	Spring2	0.97	0.74	532.58	5.17	0.3175	0.0727

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
RET4.3	ROTIFR_B	Summer1	14.54	1.60	77.01	11.19	0.4627	0.1606
RET4.3	ROTIFR_B	Summer2	19.08	1.43	52.36	9.99	0.5726	0.4473
RET4.3	ROTIFR_B	Winter	4.53	0.87	133.94	6.07	1.0000	0.3763
RET4.3	OLIGTRCH	Annual	3236.25	-12.67	-2.74	-88.67	0.2287	0.8762
RET4.3	OLIGTRCH	Fall	1962.33	24.05	8.58	168.34	0.7376	0.7180
RET4.3	OLIGTRCH	SAV1	2591.08	-12.33	-3.33	-86.33	0.4248	0.8648
RET4.3	OLIGTRCH	SAV2	4544.79	-208.21	-32.07	-1457.50	0.5057	0.0594
RET4.3	OLIGTRCH	Spring1	2547.00	127.75	35.11	894.25	0.1835	0.7180
RET4.3	OLIGTRCH	Spring2	4641.83	-91.30	-13.77	-639.10	0.1137	0.5514
RET4.3	OLIGTRCH	Summer1	5855.13	-427.25	-51.08	-2990.75	0.9971	0.0167
RET4.3	OLIGTRCH	Summer2	4897.33	-371.50	-53.10	-2600.50	0.9865	0.0427
RET4.3	OLIGTRCH	Winter	943.25	154.33	114.53	1080.33	0.3763	0.0768
RET4.3	OLIGTR_B	Annual	16.83	-0.07	-2.75	-0.46	0.2287	0.8762
RET4.3	OLIGTR_B	Fall	10.20	0.13	8.58	0.88	0.7376	0.7180
RET4.3	OLIGTR_B	SAV1	13.47	-0.06	-3.32	-0.45	0.4248	0.8648
RET4.3	OLIGTR_B	SAV2	23.63	-1.08	-32.08	-7.58	0.5057	0.0594
RET4.3	OLIGTR_B	Spring1	13.24	0.66	35.10	4.65	0.1835	0.7180
RET4.3	OLIGTR_B	Spring2	24.14	-0.48	-13.77	-3.33	0.1137	0.5514
RET4.3	OLIGTR_B	Summer1	30.45	-2.22	-51.09	-15.55	0.9971	0.0167
RET4.3	OLIGTR_B	Summer2	25.47	-1.93	-53.11	-13.52	0.9865	0.0427
RET4.3	OLIGTR_B	Winter	4.91	0.80	114.60	5.62	0.3763	0.0768
RET4.3	MCZCLAD	Annual	2.42	0.00	0.00	0.00	0.1818	0.0148
RET4.3	MCZCLAD	Fall	0.17	0.00	0.00	0.00	0.4113	0.1709
RET4.3	MCZCLAD	SAV1	0.42	0.00	0.00	0.00	0.5205	0.9477
RET4.3	MCZCLAD	SAV2	0.93	0.00	0.00	0.00	0.0923	0.1286
RET4.3	MCZCLAD	Spring1	0.83	0.00	0.00	0.00	0.7972	0.4754
RET4.3	MCZCLAD	Spring2	0.83	0.00	0.00	0.00	0.8100	0.7991
RET4.3	MCZCLAD	Summer1	1.13	0.00	0.00	0.00	0.0163	0.1151
RET4.3	MCZCLAD	Summer2	1.33	0.00	0.00	0.00	0.0098	0.0724
RET4.3	MCZCLAD	Winter	10.75	0.00	0.00	0.00	ne	0.1111
RET4.3	MCZCLADB	Annual	2.42	0.00	0.00	0.00	0.1818	0.0148
RET4.3	MCZCLADB	Fall	0.17	0.00	0.00	0.00	0.4113	0.1709
RET4.3	MCZCLADB	SAV1	0.42	0.00	0.00	0.00	0.5205	0.9477
RET4.3	MCZCLADB	SAV2	0.93	0.00	0.00	0.00	0.0923	0.1286
RET4.3	MCZCLADB	Spring1	0.83	0.00	0.00	0.00	0.7972	0.4754
RET4.3	MCZCLADB	Spring2	0.83	0.00	0.00	0.00	0.8100	0.7991
RET4.3	MCZCLADB	Summer1	1.13	0.00	0.00	0.00	0.0163	0.1151
RET4.3	MCZCLADB	Summer2	1.33	0.00	0.00	0.00	0.0098	0.0724
RET4.3	MCZCLADB	Winter	10.75	0.00	0.00	0.00	ne	0.1111
RET4.3	TINTINID	Annual	1964.33	120.00	42.76	840.00	0.2718	0.0660
RET4.3	TINTINID	Fall	3661.67	29.38	5.62	205.63	1.0000	0.7180
RET4.3	TINTINID	SAV1	2313.58	125.41	37.94	877.84	0.8287	0.1732
RET4.3	TINTINID	SAV2	1871.29	6.00	2.24	42.00	0.3983	0.9000
RET4.3	TINTINID	Spring1	794.00	172.79	152.34	1209.54	0.4916	0.1176
RET4.3	TINTINID	Spring2	664.33	187.29	197.34	1311.00	0.6939	0.2606
RET4.3	TINTINID	Summer1	2182.50	-32.81	-10.52	-229.69	0.1796	0.5995
RET4.3	TINTINID	Summer2	2553.67	-68.88	-18.88	-482.13	0.2593	0.3109
RET4.3	TINTINID	Winter	737.50	419.88	398.53	2939.13	0.5553	0.0080
RET4.3	TINTIN_B	Annual	6.29	0.38	42.76	2.69	0.2718	0.0660

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
RET4.3	TINTIN_B	Fall	11.72	0.09	5.62	0.66	1.0000	0.7180
RET4.3	TINTIN_B	SAV1	7.40	0.40	37.92	2.81	0.8287	0.1732
RET4.3	TINTIN_B	SAV2	5.99	0.02	2.22	0.13	0.3983	0.9000
RET4.3	TINTIN_B	Spring1	2.54	0.55	152.34	3.87	0.4916	0.1176
RET4.3	TINTIN_B	Spring2	2.13	0.60	197.22	4.19	0.6939	0.2606
RET4.3	TINTIN_B	Summer1	6.98	-0.11	-10.52	-0.74	0.1796	0.5995
RET4.3	TINTIN_B	Summer2	8.17	-0.22	-18.84	-1.54	0.2593	0.3109
RET4.3	TINTIN_B	Winter	2.36	1.34	398.64	9.41	0.5553	0.0080
RET4.3	SARCOD_B	Annual	0.03	0.00	0.00	0.00	0.4291	0.4527
RET4.3	SARCODIN	Annual	2.67	0.00	0.00	0.00	0.4291	0.4527
RET4.3	SARCOD_B	Fall	0.00	0.00	ne	0.00	ne	0.6985
RET4.3	SARCODIN	Fall	0.00	0.00	ne	0.00	ne	0.6985
RET4.3	SARCOD_B	SAV1	0.00	0.00	0.00	0.00	0.4113	0.1709
RET4.3	SARCODIN	SAV1	0.17	0.00	0.00	0.00	0.4113	0.1709
RET4.3	SARCOD_B	SAV2	0.05	0.00	0.00	0.00	0.3728	0.3092
RET4.3	SARCODIN	SAV2	4.57	0.00	0.00	0.00	0.3728	0.3092
RET4.3	SARCOD_B	Spring1	0.00	0.00	0.00	0.00	ne	0.1213
RET4.3	SARCODIN	Spring1	0.33	0.00	0.00	0.00	ne	0.1213
RET4.3	SARCOD_B	Spring2	0.11	0.00	0.00	0.00	0.9723	0.0321
RET4.3	SARCODIN	Spring2	10.67	0.00	0.00	0.00	0.9723	0.0321
RET4.3	SARCOD_B	Summer1	0.08	0.00	0.00	0.00	0.4157	0.7523
RET4.3	SARCODIN	Summer1	7.75	0.00	0.00	0.00	0.4157	0.7523
RET4.3	SARCOD_B	Summer2	0.00	0.00	ne	0.00	0.7134	0.7279
RET4.3	SARCODIN	Summer2	0.00	0.00	ne	0.00	0.7134	0.7279
RET4.3	SARCOD_B	Winter	0.00	0.00	ne	0.00	ne	ne
RET4.3	SARCODIN	Winter	0.00	0.00	ne	0.00	ne	ne
RET4.3	POLYLARV	Annual	3.58	0.00	0.00	0.00	0.5701	0.0106
RET4.3	POLYLARV	Fall	6.17	-0.29	-33.14	-2.04	0.4401	0.0766
RET4.3	POLYLARV	SAV1	4.42	0.00	0.00	0.00	0.3381	0.0953
RET4.3	POLYLARV	SAV2	4.14	0.00	0.00	0.00	0.3556	0.0799
RET4.3	POLYLARV	Spring1	1.33	0.00	0.00	0.00	0.7402	0.9368
RET4.3	POLYLARV	Spring2	0.67	0.00	0.00	0.00	0.8452	0.7406
RET4.3	POLYLARV	Summer1	5.13	-0.20	-27.32	-1.40	0.3639	0.0088
RET4.3	POLYLARV	Summer2	6.67	-0.32	-33.28	-2.22	0.5210	0.0047
RET4.3	POLYLARV	Winter	0.00	0.00	ne	0.00	0.3926	0.9077
RET4.3	POLYLV_B	Annual	3.58	0.00	0.00	0.00	0.5701	0.0106
RET4.3	POLYLV_B	Fall	6.17	-0.29	-33.14	-2.04	0.4401	0.0766
RET4.3	POLYLV_B	SAV1	4.42	0.00	0.00	0.00	0.3381	0.0953
RET4.3	POLYLV_B	SAV2	4.14	0.00	0.00	0.00	0.3556	0.0799
RET4.3	POLYLV_B	Spring1	1.33	0.00	0.00	0.00	0.7402	0.9368
RET4.3	POLYLV_B	Spring2	0.67	0.00	0.00	0.00	0.8452	0.7406
RET4.3	POLYLV_B	Summer1	5.13	-0.20	-27.32	-1.40	0.3639	0.0088
RET4.3	POLYLV_B	Summer2	6.67	-0.32	-33.28	-2.22	0.5210	0.0047
RET4.3	POLYLV_B	Winter	0.00	0.00	ne	0.00	0.3926	0.9077
RET4.3	BARNNAUP	Annual	0.42	0.00	0.00	0.00	0.1891	0.0524
RET4.3	BARNNAUP	Fall	0.67	0.07	74.51	0.50	0.8330	0.0691
RET4.3	BARNNAUP	SAV1	0.08	0.00	0.00	0.00	0.9493	0.0050
RET4.3	BARNNAUP	SAV2	0.36	0.00	0.00	0.00	0.0906	0.1611
RET4.3	BARNNAUP	Spring1	0.00	0.00	ne	0.00	0.8079	0.0229

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
RET4.3	BARNNAUP	Spring2	0.00	0.00	ne	0.00	0.6256	0.0136
RET4.3	BARNNAUP	Summer1	0.63	0.00	0.00	0.00	0.0484	0.8955
RET4.3	BARNNAUP	Summer2	0.83	0.00	0.00	0.00	0.3894	0.2844
RET4.3	BARNNAUP	Winter	0.25	0.00	0.00	0.00	ne	0.5309
RET4.3	BARNAU_B	Annual	0.42	0.00	0.00	0.00	0.1891	0.0524
RET4.3	BARNAU_B	Fall	0.67	0.07	74.51	0.50	0.8330	0.0691
RET4.3	BARNAU_B	SAV1	0.08	0.00	0.00	0.00	0.9493	0.0050
RET4.3	BARNAU_B	SAV2	0.36	0.00	0.00	0.00	0.0906	0.1611
RET4.3	BARNAU_B	Spring1	0.00	0.00	ne	0.00	0.8079	0.0229
RET4.3	BARNAU_B	Spring2	0.00	0.00	ne	0.00	0.6256	0.0136
RET4.3	BARNAU_B	Summer1	0.63	0.00	0.00	0.00	0.0484	0.8955
RET4.3	BARNAU_B	Summer2	0.83	0.00	0.00	0.00	0.3894	0.2844
RET4.3	BARNAU_B	Winter	0.25	0.00	0.00	0.00	ne	0.5309
WE4.2	TOTMCZA	Annual	5076.88	-126.38	-17.42	-884.63	0.0560	0.3296
WE4.2	TOTMCZA	Fall	5006.00	-177.40	-24.81	-1241.77	0.0304	0.5472
WE4.2	TOTMCZA	SAV1	5449.00	99.04	12.72	693.29	0.1202	0.5513
WE4.2	TOTMCZA	SAV2	6669.21	-109.14	-11.46	-764.00	0.1195	0.6363
WE4.2	TOTMCZA	Spring1	6398.00	-230.81	-25.25	-1615.69	0.3324	0.2286
WE4.2	TOTMCZA	Spring2	6688.00	-479.38	-50.17	-3355.63	0.3324	0.2286
WE4.2	TOTMCZA	Summer1	5599.50	49.29	6.16	345.04	0.0945	0.7545
WE4.2	TOTMCZA	Summer2	6477.00	34.58	3.74	242.08	0.0431	0.9042
WE4.2	TOTMCZA	Winter	2156.25	-118.54	-38.48	-829.79	0.1195	0.5236
WE4.2	TOTMCZB	Annual	59.20	1.76	20.78	12.30	0.2319	0.2230
WE4.2	TOTMCZB	Fall	45.12	1.72	26.70	12.05	0.6664	0.3355
WE4.2	TOTMCZB	SAV1	70.67	3.13	31.03	21.93	0.0266	0.2016
WE4.2	TOTMCZB	SAV2	80.44	2.44	21.25	17.09	0.0388	0.3443
WE4.2	TOTMCZB	Spring1	95.02	-2.60	-19.16	-18.21	0.3955	0.3355
WE4.2	TOTMCZB	Spring2	105.81	-5.52	-36.52	-38.65	0.4378	0.2786
WE4.2	TOTMCZB	Summer1	61.48	6.79	77.25	47.50	0.0527	0.1444
WE4.2	TOTMCZB	Summer2	58.25	12.75	153.21	89.25	0.0384	0.0710
WE4.2	TOTMCZB	Winter	21.99	1.67	53.13	11.68	0.5739	0.3387
WE4.2	COPENAUP	Annual	124.00	-3.00	-16.94	-21.00	0.9776	0.0203
WE4.2	COPENAUP	Fall	106.50	-0.18	-1.18	-1.25	0.9018	0.8081
WE4.2	COPENAUP	SAV1	120.83	-4.94	-28.61	-34.57	0.9631	0.1058
WE4.2	COPENAUP	SAV2	173.71	-5.00	-20.15	-35.00	0.9350	0.0979
WE4.2	COPENAUP	Spring1	64.67	-3.55	-38.41	-24.84	0.7593	0.1854
WE4.2	COPENAUP	Spring2	106.17	-5.00	-32.97	-35.00	0.7376	0.1486
WE4.2	COPENAUP	Summer1	231.25	-11.35	-34.36	-79.45	0.7828	0.1753
WE4.2	COPENAUP	Summer2	241.00	-11.35	-32.97	-79.45	0.6381	0.3355
WE4.2	COPENAUP	Winter	24.75	-2.55	-72.12	-17.85	0.8688	0.0557
WE4.2	COPENP_B	Annual	8.80	-0.21	-16.94	-1.49	0.9776	0.0203
WE4.2	COPENP_B	Fall	7.56	-0.01	-1.20	-0.09	0.9018	0.8081
WE4.2	COPENP_B	SAV1	8.58	-0.35	-28.64	-2.46	0.9631	0.1058
WE4.2	COPENP_B	SAV2	12.33	-0.36	-20.15	-2.49	0.9350	0.0979
WE4.2	COPENP_B	Spring1	4.59	-0.25	-38.42	-1.76	0.7593	0.1854
WE4.2	COPENP_B	Spring2	7.54	-0.36	-32.97	-2.49	0.7376	0.1486
WE4.2	COPENP_B	Summer1	16.42	-0.81	-34.36	-5.64	0.7828	0.1753
WE4.2	COPENP_B	Summer2	17.11	-0.81	-32.97	-5.64	0.6381	0.3355
WE4.2	COPENP_B	Winter	1.76	-0.18	-72.11	-1.27	0.8688	0.0557

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
WE4.2	ROTIFERS	Annual	124.17	11.07	62.41	77.50	0.1148	0.0012
WE4.2	ROTIFERS	Fall	39.83	3.37	59.17	23.57	0.8283	0.3994
WE4.2	ROTIFERS	SAV1	189.75	3.50	12.91	24.50	0.5970	0.1724
WE4.2	ROTIFERS	SAV2	152.29	19.78	90.93	138.48	0.1107	0.0005
WE4.2	ROTIFERS	Spring1	355.50	-0.17	-0.33	-1.17	0.7832	0.9519
WE4.2	ROTIFERS	Spring2	328.33	17.71	37.75	123.96	0.0219	0.1785
WE4.2	ROTIFERS	Summer1	9.00	36.71	2855.07	256.96	0.7484	0.0000
WE4.2	ROTIFERS	Summer2	12.00	29.29	1708.82	205.06	0.8388	0.0006
WE4.2	ROTIFERS	Winter	134.00	9.64	50.37	67.50	0.0602	0.5236
WE4.2	ROTIFR_B	Annual	10.18	0.91	62.42	6.36	0.1148	0.0012
WE4.2	ROTIFR_B	Fall	3.27	0.28	59.15	1.93	0.8283	0.3994
WE4.2	ROTIFR_B	SAV1	15.56	0.29	12.91	2.01	0.5970	0.1724
WE4.2	ROTIFR_B	SAV2	12.49	1.62	90.93	11.35	0.1107	0.0005
WE4.2	ROTIFR_B	Spring1	29.15	-0.01	-0.34	-0.10	0.7832	0.9519
WE4.2	ROTIFR_B	Spring2	26.92	1.45	37.75	10.16	0.0219	0.1785
WE4.2	ROTIFR_B	Summer1	0.74	3.01	2855.01	21.07	0.7484	0.0000
WE4.2	ROTIFR_B	Summer2	0.98	2.40	1708.74	16.81	0.8388	0.0006
WE4.2	ROTIFR_B	Winter	10.99	0.79	50.39	5.54	0.0602	0.5236
WE4.2	OLIGTRCH	Annual	2613.04	29.17	7.81	204.17	0.2729	0.5423
WE4.2	OLIGTRCH	Fall	2976.33	-9.14	-2.15	-63.95	0.0322	1.0000
WE4.2	OLIGTRCH	SAV1	2291.42	157.60	48.14	1103.20	0.8793	0.1058
WE4.2	OLIGTRCH	SAV2	3375.43	67.25	13.95	470.75	0.5008	0.6363
WE4.2	OLIGTRCH	Spring1	2301.33	57.79	17.58	404.54	0.6664	0.5472
WE4.2	OLIGTRCH	Spring2	2470.83	141.34	40.04	989.41	0.5682	0.4701
WE4.2	OLIGTRCH	Summer1	3479.25	68.71	13.82	481.00	0.1726	0.7545
WE4.2	OLIGTRCH	Summer2	4056.33	-163.88	-28.28	-1147.13	0.1835	0.7180
WE4.2	OLIGTRCH	Winter	803.25	11.01	9.60	77.09	0.5014	0.7498
WE4.2	OLIGTR_B	Annual	13.59	0.15	7.83	1.06	0.2729	0.5423
WE4.2	OLIGTR_B	Fall	15.48	-0.05	-2.17	-0.34	0.0322	1.0000
WE4.2	OLIGTR_B	SAV1	11.92	0.82	48.17	5.74	0.8793	0.1058
WE4.2	OLIGTR_B	SAV2	17.55	0.35	13.96	2.45	0.5008	0.6363
WE4.2	OLIGTR_B	Spring1	11.97	0.30	17.61	2.11	0.6664	0.5472
WE4.2	OLIGTR_B	Spring2	12.85	0.74	40.05	5.15	0.5682	0.4701
WE4.2	OLIGTR_B	Summer1	18.09	0.36	13.81	2.50	0.1726	0.7545
WE4.2	OLIGTR_B	Summer2	21.09	-0.85	-28.27	-5.96	0.1835	0.7180
WE4.2	OLIGTR_B	Winter	4.18	0.06	9.55	0.40	0.5014	0.7498
WE4.2	MCZCLAD	Annual	0.42	0.00	0.00	0.00	0.1013	0.7518
WE4.2	MCZCLAD	Fall	0.00	0.00	ne	0.00	0.7842	0.0552
WE4.2	MCZCLAD	SAV1	0.08	0.00	0.00	0.00	0.1423	0.5023
WE4.2	MCZCLAD	SAV2	0.71	0.00	0.00	0.00	0.4730	0.0814
WE4.2	MCZCLAD	Spring1	0.00	0.00	ne	0.00	ne	0.4386
WE4.2	MCZCLAD	Spring2	0.00	0.00	ne	0.00	0.4113	0.7842
WE4.2	MCZCLAD	Summer1	1.25	0.00	0.00	0.00	0.2865	0.1175
WE4.2	MCZCLAD	Summer2	1.67	0.00	0.00	0.00	1.0000	0.0285
WE4.2	MCZCLAD	Winter	0.00	0.00	ne	0.00	ne	ne
WE4.2	MCZCLADB	Annual	0.42	0.00	0.00	0.00	0.1013	0.7518
WE4.2	MCZCLADB	Fall	0.00	0.00	ne	0.00	0.7842	0.0552
WE4.2	MCZCLADB	SAV1	0.08	0.00	0.00	0.00	0.1423	0.5023
WE4.2	MCZCLADB	SAV2	0.71	0.00	0.00	0.00	0.4730	0.0814

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
WE4.2	MCZCLADB	Spring1	0.00	0.00	ne	0.00	ne	0.4386
WE4.2	MCZCLADB	Spring2	0.00	0.00	ne	0.00	0.4113	0.7842
WE4.2	MCZCLADB	Summer1	1.25	0.00	0.00	0.00	0.2865	0.1175
WE4.2	MCZCLADB	Summer2	1.67	0.00	0.00	0.00	1.0000	0.0285
WE4.2	MCZCLADB	Winter	0.00	0.00	ne	0.00	ne	ne
WE4.2	TINTINID	Annual	2194.42	-89.13	-28.43	-623.88	0.3269	0.0042
WE4.2	TINTINID	Fall	1870.50	-53.86	-20.15	-377.00	0.1658	0.3355
WE4.2	TINTINID	SAV1	2821.42	-48.50	-12.03	-339.50	0.2532	0.4436
WE4.2	TINTINID	SAV2	2936.29	-99.58	-23.74	-697.08	0.2647	0.0979
WE4.2	TINTINID	Spring1	3638.83	-191.91	-36.92	-1343.36	0.5362	0.0407
WE4.2	TINTINID	Spring2	3729.50	-395.88	-74.30	-2771.13	0.6762	0.0115
WE4.2	TINTINID	Summer1	1854.75	-55.34	-20.89	-387.37	0.2315	0.3481
WE4.2	TINTINID	Summer2	2155.50	-22.53	-7.32	-157.69	0.2248	0.8097
WE4.2	TINTINID	Winter	1193.00	-150.67	-88.40	-1054.67	0.2034	0.0382
WE4.2	TINTIN_B	Annual	7.02	-0.29	-28.41	-2.00	0.3269	0.0042
WE4.2	TINTIN_B	Fall	5.99	-0.17	-20.11	-1.20	0.1658	0.3355
WE4.2	TINTIN_B	SAV1	9.03	-0.16	-12.02	-1.09	0.2532	0.4436
WE4.2	TINTIN_B	SAV2	9.40	-0.32	-23.77	-2.23	0.2647	0.0979
WE4.2	TINTIN_B	Spring1	11.64	-0.61	-36.91	-4.30	0.5362	0.0407
WE4.2	TINTIN_B	Spring2	11.93	-1.27	-74.32	-8.87	0.6762	0.0115
WE4.2	TINTIN_B	Summer1	5.94	-0.18	-20.88	-1.24	0.2315	0.3481
WE4.2	TINTIN_B	Summer2	6.90	-0.07	-7.31	-0.50	0.2248	0.8097
WE4.2	TINTIN_B	Winter	3.82	-0.48	-88.37	-3.37	0.2034	0.0382
WE4.2	SARCOD_B	Annual	0.02	0.00	0.00	0.00	0.3141	0.2631
WE4.2	SARCODIN	Annual	1.67	0.00	0.00	0.00	0.3141	0.2631
WE4.2	SARCOD_B	Fall	0.00	0.00	ne	0.00	0.5294	0.0947
WE4.2	SARCODIN	Fall	0.00	0.00	ne	0.00	0.5294	0.0947
WE4.2	SARCOD_B	SAV1	0.00	0.00	ne	0.00	0.6136	0.0350
WE4.2	SARCODIN	SAV1	0.00	0.00	ne	0.00	0.6136	0.0350
WE4.2	SARCOD_B	SAV2	0.03	0.00	0.00	0.00	0.0727	0.2949
WE4.2	SARCODIN	SAV2	2.86	0.00	0.00	0.00	0.0727	0.2949
WE4.2	SARCOD_B	Spring1	0.00	0.00	ne	0.00	ne	0.2065
WE4.2	SARCODIN	Spring1	0.00	0.00	ne	0.00	ne	0.2065
WE4.2	SARCOD_B	Spring2	0.07	0.00	0.00	0.00	0.0467	0.8324
WE4.2	SARCODIN	Spring2	6.67	0.00	0.00	0.00	0.0467	0.8324
WE4.2	SARCOD_B	Summer1	0.05	0.00	0.00	0.00	0.4113	0.1709
WE4.2	SARCODIN	Summer1	5.00	0.00	0.00	0.00	0.4113	0.1709
WE4.2	SARCOD_B	Summer2	0.00	0.00	ne	0.00	ne	0.6985
WE4.2	SARCODIN	Summer2	0.00	0.00	ne	0.00	ne	0.6985
WE4.2	SARCOD_B	Winter	0.00	0.00	ne	0.00	ne	1.0000
WE4.2	SARCODIN	Winter	0.00	0.00	ne	0.00	ne	1.0000
WE4.2	POLYLARV	Annual	17.75	-0.29	-11.55	-2.05	0.7036	0.0059
WE4.2	POLYLARV	Fall	11.83	-0.25	-14.79	-1.75	0.7693	0.2195
WE4.2	POLYLARV	SAV1	23.08	-0.40	-12.01	-2.77	0.3464	0.2000
WE4.2	POLYLARV	SAV2	25.93	-0.75	-20.25	-5.25	0.4869	0.0069
WE4.2	POLYLARV	Spring1	33.67	-0.55	-11.44	-3.85	0.0849	0.6289
WE4.2	POLYLARV	Spring2	42.83	-2.89	-47.28	-20.25	0.1108	0.1022
WE4.2	POLYLARV	Summer1	18.50	-0.63	-23.65	-4.38	0.7803	0.0152
WE4.2	POLYLARV	Summer2	9.83	-0.50	-35.59	-3.50	0.6077	0.0512

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
WE4.2	POLYLARV	Winter	1.25	-0.08	-42.00	-0.53	0.9599	0.2118
WE4.2	POLYLV_B	Annual	17.75	-0.29	-11.55	-2.05	0.7036	0.0059
WE4.2	POLYLV_B	Fall	11.83	-0.25	-14.79	-1.75	0.7693	0.2195
WE4.2	POLYLV_B	SAV1	23.08	-0.40	-12.01	-2.77	0.3464	0.2000
WE4.2	POLYLV_B	SAV2	25.93	-0.75	-20.25	-5.25	0.4869	0.0069
WE4.2	POLYLV_B	Spring1	33.67	-0.55	-11.44	-3.85	0.0849	0.6289
WE4.2	POLYLV_B	Spring2	42.83	-2.89	-47.28	-20.25	0.1108	0.1022
WE4.2	POLYLV_B	Summer1	18.50	-0.63	-23.65	-4.38	0.7803	0.0152
WE4.2	POLYLV_B	Summer2	9.83	-0.50	-35.59	-3.50	0.6077	0.0512
WE4.2	POLYLV_B	Winter	1.25	-0.08	-42.00	-0.53	0.9599	0.2118
WE4.2	BARNNAUP	Annual	1.42	0.00	0.00	0.00	0.4074	0.3766
WE4.2	BARNNAUP	Fall	1.00	0.00	0.00	0.00	0.7446	0.6417
WE4.2	BARNNAUP	SAV1	2.42	0.00	0.00	0.00	0.4341	0.6097
WE4.2	BARNNAUP	SAV2	2.00	0.00	0.00	0.00	0.5004	0.0594
WE4.2	BARNNAUP	Spring1	4.00	-0.05	-8.75	-0.35	0.1211	0.4965
WE4.2	BARNNAUP	Spring2	3.67	0.00	0.00	0.00	0.3850	0.1769
WE4.2	BARNNAUP	Summer1	0.50	0.00	0.00	0.00	0.3132	0.1731
WE4.2	BARNNAUP	Summer2	0.67	0.00	0.00	0.00	0.3679	0.0817
WE4.2	BARNNAUP	Winter	0.00	0.05	ne	0.35	0.7175	0.2702
WE4.2	BARNAU_B	Annual	1.42	0.00	0.00	0.00	0.4074	0.3766
WE4.2	BARNAU_B	Fall	1.00	0.00	0.00	0.00	0.7446	0.6417
WE4.2	BARNAU_B	SAV1	2.42	0.00	0.00	0.00	0.4341	0.6097
WE4.2	BARNAU_B	SAV2	2.00	0.00	0.00	0.00	0.5004	0.0594
WE4.2	BARNAU_B	Spring1	4.00	-0.05	-8.75	-0.35	0.1211	0.4965
WE4.2	BARNAU_B	Spring2	3.67	0.00	0.00	0.00	0.3850	0.1769
WE4.2	BARNAU_B	Summer1	0.50	0.00	0.00	0.00	0.3132	0.1731
WE4.2	BARNAU_B	Summer2	0.67	0.00	0.00	0.00	0.3679	0.0817
WE4.2	BARNAU_B	Winter	0.00	0.05	ne	0.35	0.7175	0.2702
TF3.3	TOTMCZA	Annual	6097.44	89.20	10.24	624.40	0.5216	0.5090
TF3.3	TOTMCZA	Fall	4814.00	110.46	16.06	773.21	0.8404	0.7180
TF3.3	TOTMCZA	SAV1	4216.33	123.25	20.46	862.75	0.5693	0.4074
TF3.3	TOTMCZA	SAV2	8158.67	-81.69	-7.01	-571.83	0.4835	0.6441
TF3.3	TOTMCZA	Spring1	1897.33	258.76	81.83	1552.57	0.1994	0.2531
TF3.3	TOTMCZA	Spring2	11612.00	-189.50	-9.79	-1137.00	0.1123	0.4057
TF3.3	TOTMCZA	Summer1	11958.40	-269.44	-15.77	-1886.08	0.3104	0.5237
TF3.3	TOTMCZA	Summer2	7356.25	211.00	20.08	1477.00	0.7905	0.8327
TF3.3	TOTMCZA	Winter	1595.50	111.25	41.84	667.50	0.4572	0.5039
TF3.3	TOTMCZB	Annual	100.99	1.88	13.00	13.13	0.1080	0.1984
TF3.3	TOTMCZB	Fall	52.35	4.72	63.12	33.05	0.9575	0.1486
TF3.3	TOTMCZB	SAV1	76.19	4.08	37.51	28.58	0.8201	0.0532
TF3.3	TOTMCZB	SAV2	148.42	-3.26	-15.38	-22.83	0.1121	0.6441
TF3.3	TOTMCZB	Spring1	120.22	2.42	12.10	14.54	0.3679	0.2531
TF3.3	TOTMCZB	Spring2	254.21	-10.87	-25.67	-65.24	0.0454	0.1988
TF3.3	TOTMCZB	Summer1	183.04	-10.76	-41.13	-75.29	0.0449	0.2511
TF3.3	TOTMCZB	Summer2	124.86	1.68	9.44	11.79	0.3524	0.9439
TF3.3	TOTMCZB	Winter	12.91	3.09	143.38	18.52	0.6665	0.1520
TF3.3	COPENAUP	Annual	93.25	5.30	39.79	37.10	0.4430	0.1092
TF3.3	COPENAUP	Fall	77.50	11.25	101.61	78.75	0.2674	0.0919
TF3.3	COPENAUP	SAV1	106.22	5.18	34.16	36.28	0.3184	0.3573

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
TF3.3	COPENAUP	SAV2	128.11	1.25	6.83	8.75	0.5600	0.8172
TF3.3	COPENAUP	Spring1	37.67	23.25	370.35	139.50	0.8669	0.0633
TF3.3	COPENAUP	Spring2	109.00	21.38	117.66	128.25	0.6980	0.3258
TF3.3	COPENAUP	Summer1	173.20	-6.91	-27.93	-48.38	0.7585	0.2248
TF3.3	COPENAUP	Summer2	161.00	-7.07	-30.74	-49.50	0.6123	0.2038
TF3.3	COPENAUP	Winter	24.00	11.75	293.75	70.50	0.3322	0.2891
TF3.3	COPENP_B	Annual	6.62	0.38	39.75	2.63	0.4430	0.1092
TF3.3	COPENP_B	Fall	5.50	0.80	101.64	5.59	0.2674	0.0919
TF3.3	COPENP_B	SAV1	7.54	0.37	34.16	2.58	0.3184	0.3573
TF3.3	COPENP_B	SAV2	9.10	0.09	6.85	0.62	0.5600	0.8172
TF3.3	COPENP_B	Spring1	2.67	1.65	370.46	9.91	0.8669	0.0633
TF3.3	COPENP_B	Spring2	7.74	1.52	117.69	9.11	0.6980	0.3258
TF3.3	COPENP_B	Summer1	12.30	-0.49	-27.95	-3.44	0.7585	0.2248
TF3.3	COPENP_B	Summer2	11.43	-0.50	-30.74	-3.51	0.6123	0.2038
TF3.3	COPENP_B	Winter	1.70	0.83	293.66	5.00	0.3322	0.2891
TF3.3	ROTIFERS	Annual	535.69	-2.50	-3.27	-17.50	0.2235	0.6263
TF3.3	ROTIFERS	Fall	177.67	1.58	6.24	11.08	0.9035	0.8097
TF3.3	ROTIFERS	SAV1	185.44	4.73	17.84	33.08	0.3612	0.3573
TF3.3	ROTIFERS	SAV2	835.00	-4.31	-3.62	-30.19	0.0927	0.7817
TF3.3	ROTIFERS	Spring1	313.33	-4.42	-8.46	-26.50	0.8669	0.5677
TF3.3	ROTIFERS	Spring2	1447.67	-21.00	-8.70	-126.00	0.3786	0.1509
TF3.3	ROTIFERS	Summer1	1296.00	-11.38	-6.14	-79.63	0.0158	0.8985
TF3.3	ROTIFERS	Summer2	747.25	26.50	24.82	185.50	0.0380	0.4386
TF3.3	ROTIFERS	Winter	42.50	-2.50	-35.29	-15.00	0.0935	0.4428
TF3.3	ROTIFR_B	Annual	43.93	-0.21	-3.27	-1.44	0.2235	0.6263
TF3.3	ROTIFR_B	Fall	14.57	0.13	6.25	0.91	0.9035	0.8097
TF3.3	ROTIFR_B	SAV1	15.21	0.39	17.82	2.71	0.3612	0.3573
TF3.3	ROTIFR_B	SAV2	68.47	-0.35	-3.62	-2.48	0.0927	0.7817
TF3.3	ROTIFR_B	Spring1	25.69	-0.36	-8.45	-2.17	0.8669	0.5677
TF3.3	ROTIFR_B	Spring2	118.71	-1.72	-8.70	-10.33	0.3786	0.1509
TF3.3	ROTIFR_B	Summer1	106.27	-0.93	-6.15	-6.53	0.0158	0.8985
TF3.3	ROTIFR_B	Summer2	61.28	2.17	24.82	15.21	0.0380	0.4386
TF3.3	ROTIFR_B	Winter	3.49	-0.21	-35.29	-1.23	0.0935	0.4428
TF3.3	OLIGTRCH	Annual	1955.50	-45.00	-16.11	-315.00	0.7744	0.4654
TF3.3	OLIGTRCH	Fall	3115.67	-140.44	-31.55	-983.09	0.7593	0.3994
TF3.3	OLIGTRCH	SAV1	2166.11	-85.43	-27.61	-598.03	0.4281	0.3112
TF3.3	OLIGTRCH	SAV2	1706.67	-102.60	-42.08	-718.19	0.7442	0.2298
TF3.3	OLIGTRCH	Spring1	757.33	-38.17	-30.24	-229.00	0.1499	0.3914
TF3.3	OLIGTRCH	Spring2	609.67	-86.67	-85.29	-520.00	0.5280	0.1124
TF3.3	OLIGTRCH	Summer1	1597.60	31.23	13.68	218.58	0.9696	0.7987
TF3.3	OLIGTRCH	Summer2	1931.75	116.67	42.28	816.67	0.9187	0.7248
TF3.3	OLIGTRCH	Winter	1167.00	53.88	27.70	323.25	0.2047	0.9239
TF3.3	OLIGTR_B	Annual	10.17	-0.23	-16.11	-1.64	0.7744	0.4654
TF3.3	OLIGTR_B	Fall	16.20	-0.73	-31.54	-5.11	0.7593	0.3994
TF3.3	OLIGTR_B	SAV1	11.26	-0.44	-27.59	-3.11	0.4281	0.3112
TF3.3	OLIGTR_B	SAV2	8.88	-0.53	-42.12	-3.74	0.7442	0.2298
TF3.3	OLIGTR_B	Spring1	3.94	-0.20	-30.17	-1.19	0.1499	0.3914
TF3.3	OLIGTR_B	Spring2	3.17	-0.45	-85.36	-2.71	0.5280	0.1124
TF3.3	OLIGTR_B	Summer1	8.31	0.16	13.65	1.13	0.9696	0.7987

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
TF3.3	OLIGTR_B	Summer2	10.05	0.61	42.30	4.25	0.9187	0.7248
TF3.3	OLIGTR_B	Winter	6.07	0.28	27.69	1.68	0.2047	0.9239
TF3.3	MCZCLAD	Annual	24.19	-0.13	-3.62	-0.88	0.2669	0.0002
TF3.3	MCZCLAD	Fall	4.50	-0.20	-31.11	-1.40	0.2258	0.0038
TF3.3	MCZCLAD	SAV1	29.11	0.00	0.00	0.00	0.8624	0.0918
TF3.3	MCZCLAD	SAV2	40.11	-0.27	-4.68	-1.88	0.5253	0.0147
TF3.3	MCZCLAD	Spring1	85.33	0.00	0.00	0.00	0.6295	0.1812
TF3.3	MCZCLAD	Spring2	94.33	-1.17	-7.42	-7.00	0.4348	0.1108
TF3.3	MCZCLAD	Summer1	20.60	-0.50	-16.99	-3.50	0.3285	0.0151
TF3.3	MCZCLAD	Summer2	18.75	-0.33	-12.43	-2.33	0.2061	0.0685
TF3.3	MCZCLAD	Winter	0.50	0.00	0.00	0.00	0.0771	1.0000
TF3.3	MCZCLADB	Annual	24.19	-0.13	-3.62	-0.88	0.2669	0.0002
TF3.3	MCZCLADB	Fall	4.50	-0.20	-31.11	-1.40	0.2258	0.0038
TF3.3	MCZCLADB	SAV1	29.11	0.00	0.00	0.00	0.8624	0.0918
TF3.3	MCZCLADB	SAV2	40.11	-0.27	-4.68	-1.88	0.5253	0.0147
TF3.3	MCZCLADB	Spring1	85.33	0.00	0.00	0.00	0.6295	0.1812
TF3.3	MCZCLADB	Spring2	94.33	-1.17	-7.42	-7.00	0.4348	0.1108
TF3.3	MCZCLADB	Summer1	20.60	-0.50	-16.99	-3.50	0.3285	0.0151
TF3.3	MCZCLADB	Summer2	18.75	-0.33	-12.43	-2.33	0.2061	0.0685
TF3.3	MCZCLADB	Winter	0.50	0.00	0.00	0.00	0.0771	1.0000
TF3.3	TINTINID	Annual	3483.88	55.70	11.19	389.90	0.2941	0.4867
TF3.3	TINTINID	Fall	1431.67	-16.17	-7.90	-113.17	0.5682	0.7180
TF3.3	TINTINID	SAV1	1721.89	51.85	21.08	362.95	0.5080	0.7824
TF3.3	TINTINID	SAV2	5444.33	-17.60	-2.26	-123.20	0.2101	0.7817
TF3.3	TINTINID	Spring1	703.33	152.92	130.45	917.50	0.7670	0.1161
TF3.3	TINTINID	Spring2	9351.00	131.67	8.45	790.00	0.0681	0.5967
TF3.3	TINTINID	Summer1	8863.80	-297.94	-23.53	-2085.57	0.3049	0.3721
TF3.3	TINTINID	Summer2	4488.50	-155.38	-24.23	-1087.63	0.3897	0.8327
TF3.3	TINTINID	Winter	361.50	123.00	204.15	738.00	0.1638	0.0842
TF3.3	TINTIN_B	Annual	11.15	0.18	11.18	1.25	0.2941	0.4867
TF3.3	TINTIN_B	Fall	4.58	-0.05	-7.95	-0.36	0.5682	0.7180
TF3.3	TINTIN_B	SAV1	5.51	0.17	21.09	1.16	0.5080	0.7824
TF3.3	TINTIN_B	SAV2	17.42	-0.06	-2.25	-0.39	0.2101	0.7817
TF3.3	TINTIN_B	Spring1	2.25	0.49	130.34	2.93	0.7670	0.1161
TF3.3	TINTIN_B	Spring2	29.92	0.42	8.44	2.53	0.0681	0.5967
TF3.3	TINTIN_B	Summer1	28.36	-0.95	-23.52	-6.67	0.3049	0.3721
TF3.3	TINTIN_B	Summer2	14.36	-0.50	-24.22	-3.48	0.3897	0.8327
TF3.3	TINTIN_B	Winter	1.16	0.39	204.32	2.36	0.1638	0.0842
TF3.3	SARCOD_B	Annual	0.00	0.00	ne	0.00	0.8255	0.6394
TF3.3	SARCODIN	Annual	0.00	0.00	ne	0.00	0.8255	0.6394
TF3.3	SARCOD_B	Fall	0.00	0.00	ne	0.00	0.8639	0.7279
TF3.3	SARCODIN	Fall	0.00	0.00	ne	0.00	0.8639	0.7279
TF3.3	SARCOD_B	SAV1	0.00	0.00	ne	0.00	0.5571	0.6820
TF3.3	SARCODIN	SAV1	0.00	0.00	ne	0.00	0.5571	0.6820
TF3.3	SARCOD_B	SAV2	0.00	0.00	ne	0.00	0.7122	0.5163
TF3.3	SARCODIN	SAV2	0.00	0.00	ne	0.00	0.7122	0.5163
TF3.3	SARCOD_B	Spring1	0.00	0.00	ne	0.00	ne	0.8273
TF3.3	SARCODIN	Spring1	0.00	0.00	ne	0.00	ne	0.8273
TF3.3	SARCOD_B	Spring2	0.00	0.00	ne	0.00	ne	0.8273

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
TF3.3	SARCODIN	Spring2	0.00	0.00	ne	0.00	ne	0.8273
TF3.3	SARCOD_B	Summer1	0.00	0.00	ne	0.00	0.7995	0.2275
TF3.3	SARCODIN	Summer1	0.00	0.00	ne	0.00	0.7995	0.2275
TF3.3	SARCOD_B	Summer2	0.00	0.00	ne	0.00	0.7995	0.2275
TF3.3	SARCODIN	Summer2	0.00	0.00	ne	0.00	0.7995	0.2275
TF3.3	SARCOD_B	Winter	0.00	0.00	ne	0.00	ne	ne
TF3.3	SARCODIN	Winter	0.00	0.00	ne	0.00	ne	ne
TF3.3	POLYLARV	Annual	4.75	0.00	0.00	0.00	0.2904	0.3795
TF3.3	POLYLARV	Fall	7.00	0.28	27.50	1.93	0.2802	0.1356
TF3.3	POLYLARV	SAV1	7.22	0.00	0.00	0.00	0.2219	0.7432
TF3.3	POLYLARV	SAV2	4.11	0.00	0.00	0.00	0.2987	0.6158
TF3.3	POLYLARV	Spring1	0.33	0.00	0.00	0.00	0.5299	0.6478
TF3.3	POLYLARV	Spring2	0.33	0.00	0.00	0.00	0.2518	1.0000
TF3.3	POLYLARV	Summer1	6.60	0.00	0.00	0.00	0.1548	1.0000
TF3.3	POLYLARV	Summer2	8.25	0.00	0.00	0.00	0.1033	0.6880
TF3.3	POLYLARV	Winter	0.00	0.00	ne	0.00	ne	ne
TF3.3	POLYLV_B	Annual	4.75	0.00	0.00	0.00	0.2904	0.3795
TF3.3	POLYLV_B	Fall	7.00	0.28	27.50	1.93	0.2802	0.1356
TF3.3	POLYLV_B	SAV1	7.22	0.00	0.00	0.00	0.2219	0.7432
TF3.3	POLYLV_B	SAV2	4.11	0.00	0.00	0.00	0.2987	0.6158
TF3.3	POLYLV_B	Spring1	0.33	0.00	0.00	0.00	0.5299	0.6478
TF3.3	POLYLV_B	Spring2	0.33	0.00	0.00	0.00	0.2518	1.0000
TF3.3	POLYLV_B	Summer1	6.60	0.00	0.00	0.00	0.1548	1.0000
TF3.3	POLYLV_B	Summer2	8.25	0.00	0.00	0.00	0.1033	0.6880
TF3.3	POLYLV_B	Winter	0.00	0.00	ne	0.00	ne	ne
TF3.3	BARNNAUP	Annual	0.19	0.00	0.00	0.00	0.9864	0.0003
TF3.3	BARNNAUP	Fall	0.00	0.00	ne	0.00	1.0000	0.0285
TF3.3	BARNNAUP	SAV1	0.33	0.00	0.00	0.00	0.9394	0.0010
TF3.3	BARNNAUP	SAV2	0.33	0.00	0.00	0.00	0.9131	0.0048
TF3.3	BARNNAUP	Spring1	0.00	0.00	ne	0.00	0.9646	0.0033
TF3.3	BARNNAUP	Spring2	0.00	0.00	ne	0.00	0.7302	0.0099
TF3.3	BARNNAUP	Summer1	0.60	0.00	0.00	0.00	0.9814	0.1900
TF3.3	BARNNAUP	Summer2	0.75	0.00	0.00	0.00	0.9305	0.2933
TF3.3	BARNNAUP	Winter	0.00	0.00	ne	0.00	0.6760	0.2498
TF3.3	BARNAU_B	Annual	0.19	0.00	0.00	0.00	0.9864	0.0003
TF3.3	BARNAU_B	Fall	0.00	0.00	ne	0.00	1.0000	0.0285
TF3.3	BARNAU_B	SAV1	0.33	0.00	0.00	0.00	0.9394	0.0010
TF3.3	BARNAU_B	SAV2	0.33	0.00	0.00	0.00	0.9131	0.0048
TF3.3	BARNAU_B	Spring1	0.00	0.00	ne	0.00	0.9646	0.0033
TF3.3	BARNAU_B	Spring2	0.00	0.00	ne	0.00	0.7302	0.0099
TF3.3	BARNAU_B	Summer1	0.60	0.00	0.00	0.00	0.9814	0.1900
TF3.3	BARNAU_B	Summer2	0.75	0.00	0.00	0.00	0.9305	0.2933
TF3.3	BARNAU_B	Winter	0.00	0.00	ne	0.00	0.6760	0.2498
RET3.1	TOTMCZA	Annual	6695.50	360.00	37.64	2520.00	0.6714	0.2467
RET3.1	TOTMCZA	Fall	8806.83	-242.50	-19.27	-1697.50	0.5682	0.4701
RET3.1	TOTMCZA	SAV1	5720.11	287.60	35.20	2013.20	0.2102	0.4615
RET3.1	TOTMCZA	SAV2	6475.22	93.79	10.14	656.54	0.6096	0.6441
RET3.1	TOTMCZA	Spring1	2986.67	910.33	182.88	5462.00	0.2709	0.0633
RET3.1	TOTMCZA	Spring2	4600.33	760.40	99.18	4562.40	0.3650	0.2568

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
RET3.1	TOTMCZA	Summer1	7093.40	93.79	9.26	656.54	0.9397	0.6100
RET3.1	TOTMCZA	Summer2	7087.25	73.33	7.24	513.33	0.8443	0.7248
RET3.1	TOTMCZA	Winter	4930.00	566.42	68.94	3398.50	0.5619	0.2557
RET3.1	TOTMCZB	Annual	281.36	2.15	5.36	15.07	0.5921	0.3433
RET3.1	TOTMCZB	Fall	94.27	7.92	58.78	55.41	0.5362	0.1854
RET3.1	TOTMCZB	SAV1	247.67	4.92	13.91	34.44	0.4626	0.2693
RET3.1	TOTMCZB	SAV2	447.41	-1.13	-1.76	-7.90	0.5776	0.6441
RET3.1	TOTMCZB	Spring1	620.17	2.01	1.95	12.08	0.2709	0.5677
RET3.1	TOTMCZB	Spring2	630.60	0.16	0.15	0.94	0.3509	0.8206
RET3.1	TOTMCZB	Summer1	404.84	-3.10	-5.35	-21.67	0.5030	0.4442
RET3.1	TOTMCZB	Summer2	495.50	-4.79	-6.76	-33.51	0.5084	0.2908
RET3.1	TOTMCZB	Winter	25.69	3.05	71.32	18.32	0.7533	0.3524
RET3.1	COPENAUP	Annual	162.56	-0.75	-3.23	-5.25	0.4096	0.5741
RET3.1	COPENAUP	Fall	46.17	-2.25	-34.12	-15.75	0.6961	0.1176
RET3.1	COPENAUP	SAV1	213.22	-0.78	-2.54	-5.43	0.3344	0.7127
RET3.1	COPENAUP	SAV2	261.22	-2.75	-7.37	-19.25	0.6655	0.4879
RET3.1	COPENAUP	Spring1	510.67	5.76	6.77	34.58	0.1299	0.7751
RET3.1	COPENAUP	Spring2	587.33	-8.50	-8.68	-51.00	0.2072	0.5442
RET3.1	COPENAUP	Summer1	136.00	-1.92	-9.87	-13.42	0.8032	0.5653
RET3.1	COPENAUP	Summer2	110.50	-0.60	-3.80	-4.20	0.6338	0.7248
RET3.1	COPENAUP	Winter	56.00	11.50	123.21	69.00	0.8181	0.1212
RET3.1	COPENP_B	Annual	11.54	-0.05	-3.21	-0.37	0.4096	0.5741
RET3.1	COPENP_B	Fall	3.28	-0.16	-34.17	-1.12	0.6961	0.1176
RET3.1	COPENP_B	SAV1	15.14	-0.06	-2.54	-0.39	0.3344	0.7127
RET3.1	COPENP_B	SAV2	18.55	-0.20	-7.36	-1.37	0.6655	0.4879
RET3.1	COPENP_B	Spring1	36.26	0.41	6.77	2.45	0.1299	0.7751
RET3.1	COPENP_B	Spring2	41.70	-0.60	-8.68	-3.62	0.2072	0.5442
RET3.1	COPENP_B	Summer1	9.66	-0.14	-9.86	-0.95	0.8032	0.5653
RET3.1	COPENP_B	Summer2	7.85	-0.04	-3.84	-0.30	0.6338	0.7248
RET3.1	COPENP_B	Winter	3.98	0.82	123.14	4.90	0.8181	0.1212
RET3.1	ROTIFERS	Annual	385.94	0.00	0.00	0.00	0.5573	0.9439
RET3.1	ROTIFERS	Fall	506.50	35.65	49.27	249.55	0.2960	0.2786
RET3.1	ROTIFERS	SAV1	240.11	3.38	9.84	23.63	0.3332	0.6453
RET3.1	ROTIFERS	SAV2	413.78	-8.25	-13.96	-57.75	0.6317	0.3095
RET3.1	ROTIFERS	Spring1	263.67	1.25	2.84	7.50	0.9216	0.7751
RET3.1	ROTIFERS	Spring2	268.67	2.00	4.47	12.00	0.9377	0.7055
RET3.1	ROTIFERS	Summer1	448.80	-20.65	-32.20	-144.52	0.5437	0.0742
RET3.1	ROTIFERS	Summer2	552.00	-56.00	-71.01	-392.00	0.6808	0.0411
RET3.1	ROTIFERS	Winter	50.50	1.25	14.85	7.50	0.9588	0.3991
RET3.1	ROTIFR_B	Annual	31.65	0.00	0.00	0.00	0.5573	0.9439
RET3.1	ROTIFR_B	Fall	41.53	2.92	49.26	20.46	0.2960	0.2786
RET3.1	ROTIFR_B	SAV1	19.69	0.28	9.85	1.94	0.3332	0.6453
RET3.1	ROTIFR_B	SAV2	33.93	-0.68	-13.97	-4.74	0.6317	0.3095
RET3.1	ROTIFR_B	Spring1	21.62	0.10	2.86	0.62	0.9216	0.7751
RET3.1	ROTIFR_B	Spring2	22.03	0.16	4.47	0.98	0.9377	0.7055
RET3.1	ROTIFR_B	Summer1	36.80	-1.69	-32.20	-11.85	0.5437	0.0742
RET3.1	ROTIFR_B	Summer2	45.26	-4.59	-71.01	-32.14	0.6808	0.0411
RET3.1	ROTIFR_B	Winter	4.14	0.10	14.92	0.62	0.9588	0.3991
RET3.1	OLIGTRCH	Annual	2248.25	16.17	5.03	113.17	0.1164	0.8883

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
RET3.1	OLIGTRCH	Fall	4294.33	-404.44	-65.93	-2831.07	0.3472	0.1176
RET3.1	OLIGTRCH	SAV1	2520.67	-61.14	-16.98	-428.00	0.0225	0.4895
RET3.1	OLIGTRCH	SAV2	2174.56	-83.09	-26.75	-581.65	0.1105	0.4599
RET3.1	OLIGTRCH	Spring1	660.67	169.50	153.94	1017.00	0.0365	0.2235
RET3.1	OLIGTRCH	Spring2	500.00	118.83	142.60	713.00	0.1012	0.4963
RET3.1	OLIGTRCH	Summer1	1416.40	122.27	60.43	855.92	0.3401	0.7021
RET3.1	OLIGTRCH	Summer2	1710.75	-31.70	-12.97	-221.90	0.6430	0.7248
RET3.1	OLIGTRCH	Winter	571.00	170.00	178.63	1020.00	0.9612	0.4695
RET3.1	OLIGTR_B	Annual	11.69	0.08	5.03	0.59	0.1164	0.8883
RET3.1	OLIGTR_B	Fall	22.33	-2.10	-65.92	-14.72	0.3472	0.1176
RET3.1	OLIGTR_B	SAV1	13.11	-0.32	-16.98	-2.23	0.0225	0.4895
RET3.1	OLIGTR_B	SAV2	11.31	-0.43	-26.74	-3.02	0.1105	0.4599
RET3.1	OLIGTR_B	Spring1	3.44	0.88	153.89	5.29	0.0365	0.2235
RET3.1	OLIGTR_B	Spring2	2.60	0.62	142.62	3.71	0.1012	0.4963
RET3.1	OLIGTR_B	Summer1	7.37	0.64	60.45	4.45	0.3401	0.7021
RET3.1	OLIGTR_B	Summer2	8.90	-0.17	-12.98	-1.16	0.6430	0.7248
RET3.1	OLIGTR_B	Winter	2.97	0.88	178.65	5.30	0.9612	0.4695
RET3.1	MCZCLAD	Annual	208.31	0.00	0.00	0.00	0.7361	0.0125
RET3.1	MCZCLAD	Fall	0.50	0.00	0.00	0.00	0.9811	0.4054
RET3.1	MCZCLAD	SAV1	185.11	0.00	0.00	0.00	0.8440	0.0552
RET3.1	MCZCLAD	SAV2	369.89	0.00	0.00	0.00	0.3984	0.0357
RET3.1	MCZCLAD	Spring1	555.33	0.00	0.00	0.00	0.5099	0.0567
RET3.1	MCZCLAD	Spring2	555.33	0.00	0.00	0.00	0.1316	0.2498
RET3.1	MCZCLAD	Summer1	332.60	0.00	0.00	0.00	0.2214	0.2345
RET3.1	MCZCLAD	Summer2	415.75	0.00	0.00	0.00	0.4612	0.0612
RET3.1	MCZCLAD	Winter	0.50	0.00	0.00	0.00	ne	0.1432
RET3.1	MCZCLADB	Annual	208.31	0.00	0.00	0.00	0.7361	0.0125
RET3.1	MCZCLADB	Fall	0.50	0.00	0.00	0.00	0.9811	0.4054
RET3.1	MCZCLADB	SAV1	185.11	0.00	0.00	0.00	0.8440	0.0552
RET3.1	MCZCLADB	SAV2	369.89	0.00	0.00	0.00	0.3984	0.0357
RET3.1	MCZCLADB	Spring1	555.33	0.00	0.00	0.00	0.5099	0.0567
RET3.1	MCZCLADB	Spring2	555.33	0.00	0.00	0.00	0.1316	0.2498
RET3.1	MCZCLADB	Summer1	332.60	0.00	0.00	0.00	0.2214	0.2345
RET3.1	MCZCLADB	Summer2	415.75	0.00	0.00	0.00	0.4612	0.0612
RET3.1	MCZCLADB	Winter	0.50	0.00	0.00	0.00	ne	0.1432
RET3.1	TINTINID	Annual	3684.06	68.93	13.10	482.50	0.9598	0.5985
RET3.1	TINTINID	Fall	3945.33	-12.75	-2.26	-89.25	0.4707	0.9042
RET3.1	TINTINID	SAV1	2554.56	22.35	6.12	156.45	0.7381	0.9267
RET3.1	TINTINID	SAV2	3252.44	157.39	33.87	1101.75	0.9227	0.5178
RET3.1	TINTINID	Spring1	996.00	-24.00	-14.46	-144.00	0.9798	0.8864
RET3.1	TINTINID	Spring2	2688.67	-29.00	-6.47	-174.00	0.9846	0.8206
RET3.1	TINTINID	Summer1	4756.40	267.03	39.30	1869.18	0.6664	0.3721
RET3.1	TINTINID	Summer2	4294.25	409.57	66.76	2867.00	0.5587	0.2908
RET3.1	TINTINID	Winter	4251.50	54.42	7.68	326.50	0.5066	0.6054
RET3.1	TINTIN_B	Annual	11.79	0.22	13.12	1.55	0.9598	0.5985
RET3.1	TINTIN_B	Fall	12.63	-0.04	-2.27	-0.29	0.4707	0.9042
RET3.1	TINTIN_B	SAV1	8.18	0.07	6.17	0.50	0.7381	0.9267
RET3.1	TINTIN_B	SAV2	10.41	0.50	33.90	3.53	0.9227	0.5178
RET3.1	TINTIN_B	Spring1	3.19	-0.08	-14.50	-0.46	0.9798	0.8864

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
RET3.1	TINTIN_B	Spring2	8.60	-0.09	-6.49	-0.56	0.9846	0.8206
RET3.1	TINTIN_B	Summer1	15.22	0.85	39.28	5.98	0.6664	0.3721
RET3.1	TINTIN_B	Summer2	13.74	1.31	66.78	9.18	0.5587	0.2908
RET3.1	TINTIN_B	Winter	13.61	0.17	7.67	1.04	0.5066	0.6054
RET3.1	SARCOD_B	Annual	0.00	0.00	ne	0.00	0.9578	0.3250
RET3.1	SARCODIN	Annual	0.00	0.00	ne	0.00	0.9578	0.3250
RET3.1	SARCOD_B	Fall	0.00	0.00	ne	0.00	0.6509	1.0000
RET3.1	SARCODIN	Fall	0.00	0.00	ne	0.00	0.6509	1.0000
RET3.1	SARCOD_B	SAV1	0.00	0.00	ne	0.00	0.8586	0.6854
RET3.1	SARCODIN	SAV1	0.00	0.00	ne	0.00	0.8586	0.6854
RET3.1	SARCOD_B	SAV2	0.00	0.00	ne	0.00	0.8507	0.3048
RET3.1	SARCODIN	SAV2	0.00	0.00	ne	0.00	0.8507	0.3048
RET3.1	SARCOD_B	Spring1	0.00	0.00	ne	0.00	0.6412	0.5287
RET3.1	SARCODIN	Spring1	0.00	0.00	ne	0.00	0.6412	0.5287
RET3.1	SARCOD_B	Spring2	0.00	0.00	ne	0.00	0.5817	0.2534
RET3.1	SARCODIN	Spring2	0.00	0.00	ne	0.00	0.5817	0.2534
RET3.1	SARCOD_B	Summer1	0.00	0.00	ne	0.00	0.5769	0.3887
RET3.1	SARCODIN	Summer1	0.00	0.00	ne	0.00	0.5769	0.3887
RET3.1	SARCOD_B	Summer2	0.00	0.00	ne	0.00	0.4319	0.7279
RET3.1	SARCODIN	Summer2	0.00	0.00	ne	0.00	0.4319	0.7279
RET3.1	SARCOD_B	Winter	0.00	0.00	ne	0.00	ne	0.6219
RET3.1	SARCODIN	Winter	0.00	0.00	ne	0.00	ne	0.6219
RET3.1	POLYLARV	Annual	5.50	0.00	0.00	0.00	0.4066	0.1319
RET3.1	POLYLARV	Fall	12.17	-0.50	-28.77	-3.50	0.5158	0.0449
RET3.1	POLYLARV	SAV1	5.78	-0.08	-9.33	-0.54	0.4730	0.0709
RET3.1	POLYLARV	SAV2	3.11	0.00	0.00	0.00	0.4102	0.0971
RET3.1	POLYLARV	Spring1	0.33	0.00	0.00	0.00	0.4033	0.8700
RET3.1	POLYLARV	Spring2	0.33	0.00	0.00	0.00	0.2055	0.7771
RET3.1	POLYLARV	Summer1	2.80	0.00	0.00	0.00	0.3367	0.6611
RET3.1	POLYLARV	Summer2	3.50	0.00	0.00	0.00	0.8697	0.3593
RET3.1	POLYLARV	Winter	0.00	0.00	ne	0.00	ne	0.3798
RET3.1	POLYLV_B	Annual	5.50	0.00	0.00	0.00	0.4066	0.1319
RET3.1	POLYLV_B	Fall	12.17	-0.50	-28.77	-3.50	0.5158	0.0449
RET3.1	POLYLV_B	SAV1	5.78	-0.08	-9.33	-0.54	0.4730	0.0709
RET3.1	POLYLV_B	SAV2	3.11	0.00	0.00	0.00	0.4102	0.0971
RET3.1	POLYLV_B	Spring1	0.33	0.00	0.00	0.00	0.4033	0.8700
RET3.1	POLYLV_B	Spring2	0.33	0.00	0.00	0.00	0.2055	0.7771
RET3.1	POLYLV_B	Summer1	2.80	0.00	0.00	0.00	0.3367	0.6611
RET3.1	POLYLV_B	Summer2	3.50	0.00	0.00	0.00	0.8697	0.3593
RET3.1	POLYLV_B	Winter	0.00	0.00	ne	0.00	ne	0.3798
RET3.1	BARNNAUP	Annual	0.88	0.00	0.00	0.00	0.9754	0.0914
RET3.1	BARNNAUP	Fall	1.83	0.00	0.00	0.00	0.4082	0.2523
RET3.1	BARNNAUP	SAV1	0.67	0.00	0.00	0.00	0.7340	0.2724
RET3.1	BARNNAUP	SAV2	0.22	0.00	0.00	0.00	0.8692	0.1143
RET3.1	BARNNAUP	Spring1	0.00	0.00	ne	0.00	0.8019	0.3558
RET3.1	BARNNAUP	Spring2	0.00	0.00	ne	0.00	0.7569	0.4495
RET3.1	BARNNAUP	Summer1	0.40	0.00	0.00	0.00	0.9095	0.5112
RET3.1	BARNNAUP	Summer2	0.50	0.00	0.00	0.00	0.7807	0.5271
RET3.1	BARNNAUP	Winter	0.50	0.00	0.00	0.00	0.3862	0.5028

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
RET3.1	BARNAU_B	Annual	0.88	0.00	0.00	0.00	0.9754	0.0914
RET3.1	BARNAU_B	Fall	1.83	0.00	0.00	0.00	0.4082	0.2523
RET3.1	BARNAU_B	SAV1	0.67	0.00	0.00	0.00	0.7340	0.2724
RET3.1	BARNAU_B	SAV2	0.22	0.00	0.00	0.00	0.8692	0.1143
RET3.1	BARNAU_B	Spring1	0.00	0.00	ne	0.00	0.8019	0.3558
RET3.1	BARNAU_B	Spring2	0.00	0.00	ne	0.00	0.7569	0.4495
RET3.1	BARNAU_B	Summer1	0.40	0.00	0.00	0.00	0.9095	0.5112
RET3.1	BARNAU_B	Summer2	0.50	0.00	0.00	0.00	0.7807	0.5271
RET3.1	BARNAU_B	Winter	0.50	0.00	0.00	0.00	0.3862	0.5028
LE3.6	TOTMCZA	Annual	4116.00	-127.96	-21.76	-895.71	0.4542	0.2720
LE3.6	TOTMCZA	Fall	4845.17	-102.96	-14.87	-720.71	0.2674	0.6301
LE3.6	TOTMCZA	SAV1	4106.89	-72.70	-12.39	-508.90	0.3430	0.7417
LE3.6	TOTMCZA	SAV2	3613.22	-96.75	-18.74	-677.25	0.4580	0.5569
LE3.6	TOTMCZA	Spring1	3712.67	-228.67	-36.95	-1372.00	0.6408	0.1988
LE3.6	TOTMCZA	Spring2	3890.67	-357.17	-55.08	-2143.00	0.4049	0.3258
LE3.6	TOTMCZA	Summer1	3071.00	368.36	83.96	2578.54	0.6056	0.4094
LE3.6	TOTMCZA	Summer2	3024.75	308.74	71.45	2161.19	0.4012	0.5028
LE3.6	TOTMCZA	Winter	5146.00	-362.33	-42.25	-2174.00	0.3850	0.0449
LE3.6	TOTMCZB	Annual	35.57	3.35	65.99	23.47	0.5031	0.0861
LE3.6	TOTMCZB	Fall	36.49	0.85	16.38	5.98	0.4131	0.5472
LE3.6	TOTMCZB	SAV1	38.46	2.97	54.03	20.78	0.5843	0.1202
LE3.6	TOTMCZB	SAV2	36.01	3.16	61.39	22.11	0.2436	0.1612
LE3.6	TOTMCZB	Spring1	44.01	1.58	21.53	9.47	0.3219	0.7055
LE3.6	TOTMCZB	Spring2	41.46	3.16	45.70	18.95	0.2559	0.5967
LE3.6	TOTMCZB	Summer1	29.82	8.11	190.38	56.76	0.1740	0.0771
LE3.6	TOTMCZB	Summer2	31.27	7.14	159.75	49.95	0.0912	0.1801
LE3.6	TOTMCZB	Winter	34.49	3.66	63.67	21.96	0.5954	0.6330
LE3.6	COPENAUP	Annual	69.63	-0.54	-5.39	-3.75	0.7445	0.6300
LE3.6	COPENAUP	Fall	37.67	1.54	28.54	10.75	0.9855	0.3035
LE3.6	COPENAUP	SAV1	90.78	-1.00	-7.71	-7.00	0.4682	0.6037
LE3.6	COPENAUP	SAV2	108.67	-4.43	-28.53	-31.00	0.7613	0.1747
LE3.6	COPENAUP	Spring1	96.00	-3.00	-18.75	-18.00	0.2440	0.2568
LE3.6	COPENAUP	Spring2	96.00	-5.80	-36.25	-34.80	0.3887	0.1124
LE3.6	COPENAUP	Summer1	117.00	-4.86	-29.10	-34.05	0.9996	0.2888
LE3.6	COPENAUP	Summer2	138.75	-5.83	-29.43	-40.83	0.9943	0.3481
LE3.6	COPENAUP	Winter	7.50	0.25	20.00	1.50	0.1788	0.8479
LE3.6	COPENP_B	Annual	4.94	-0.04	-5.38	-0.27	0.7445	0.6300
LE3.6	COPENP_B	Fall	2.67	0.11	28.53	0.76	0.9855	0.3035
LE3.6	COPENP_B	SAV1	6.45	-0.07	-7.71	-0.50	0.4682	0.6037
LE3.6	COPENP_B	SAV2	7.72	-0.31	-28.49	-2.20	0.7613	0.1747
LE3.6	COPENP_B	Spring1	6.82	-0.21	-18.75	-1.28	0.2440	0.2568
LE3.6	COPENP_B	Spring2	6.82	-0.41	-36.27	-2.47	0.3887	0.1124
LE3.6	COPENP_B	Summer1	8.31	-0.35	-29.07	-2.42	0.9996	0.2888
LE3.6	COPENP_B	Summer2	9.85	-0.41	-29.42	-2.90	0.9943	0.3481
LE3.6	COPENP_B	Winter	0.53	0.02	20.26	0.11	0.1788	0.8479
LE3.6	ROTIFERS	Annual	64.75	22.68	245.14	158.73	0.7479	0.0004
LE3.6	ROTIFERS	Fall	45.33	16.83	259.92	117.83	0.5362	0.2286
LE3.6	ROTIFERS	SAV1	58.22	27.00	324.62	189.00	0.9692	0.0109
LE3.6	ROTIFERS	SAV2	31.33	22.13	494.29	154.88	0.6335	0.0003

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
LE3.6	ROTIFERS	Spring1	105.33	45.00	256.33	270.00	0.6812	0.0588
LE3.6	ROTIFERS	Spring2	31.67	29.83	565.25	179.00	0.6384	0.0025
LE3.6	ROTIFERS	Summer1	32.20	17.75	385.87	124.25	0.2729	0.0032
LE3.6	ROTIFERS	Summer2	40.25	17.75	308.70	124.25	0.2339	0.0365
LE3.6	ROTIFERS	Winter	143.50	30.64	128.12	183.86	0.8563	0.3901
LE3.6	ROTIFR_B	Annual	5.31	1.86	245.07	13.01	0.7479	0.0004
LE3.6	ROTIFR_B	Fall	3.72	1.38	259.89	9.66	0.5362	0.2286
LE3.6	ROTIFR_B	SAV1	4.77	2.21	324.63	15.50	0.9692	0.0109
LE3.6	ROTIFR_B	SAV2	2.57	1.81	494.28	12.70	0.6335	0.0003
LE3.6	ROTIFR_B	Spring1	8.64	3.69	256.34	22.14	0.6812	0.0588
LE3.6	ROTIFR_B	Spring2	2.60	2.45	565.11	14.68	0.6384	0.0025
LE3.6	ROTIFR_B	Summer1	2.64	1.46	386.06	10.19	0.2729	0.0032
LE3.6	ROTIFR_B	Summer2	3.30	1.46	308.75	10.19	0.2339	0.0365
LE3.6	ROTIFR_B	Winter	11.77	2.51	128.14	15.08	0.8563	0.3901
LE3.6	OLIGTRCH	Annual	2205.25	-8.50	-2.70	-59.50	0.6998	0.8368
LE3.6	OLIGTRCH	Fall	3029.00	-29.25	-6.76	-204.75	0.5935	0.7180
LE3.6	OLIGTRCH	SAV1	2360.33	-106.93	-31.71	-748.50	0.6088	0.3227
LE3.6	OLIGTRCH	SAV2	1934.11	-106.93	-38.70	-748.50	0.5073	0.3905
LE3.6	OLIGTRCH	Spring1	1849.33	-278.33	-90.30	-1670.00	0.7680	0.1124
LE3.6	OLIGTRCH	Spring2	2196.00	-222.25	-60.72	-1333.50	0.4696	0.2568
LE3.6	OLIGTRCH	Summer1	1768.80	169.53	67.09	1186.68	0.5492	0.6374
LE3.6	OLIGTRCH	Summer2	1515.25	258.46	119.40	1809.21	0.3479	0.6876
LE3.6	OLIGTRCH	Winter	1359.00	83.00	36.64	498.00	0.5781	0.2145
LE3.6	OLIGTR_B	Annual	11.47	-0.04	-2.69	-0.31	0.6998	0.8368
LE3.6	OLIGTR_B	Fall	15.75	-0.15	-6.76	-1.06	0.5935	0.7180
LE3.6	OLIGTR_B	SAV1	12.27	-0.56	-31.71	-3.89	0.6088	0.3227
LE3.6	OLIGTR_B	SAV2	10.06	-0.56	-38.70	-3.89	0.5073	0.3905
LE3.6	OLIGTR_B	Spring1	9.62	-1.45	-90.28	-8.68	0.7680	0.1124
LE3.6	OLIGTR_B	Spring2	11.42	-1.16	-60.74	-6.94	0.4696	0.2568
LE3.6	OLIGTR_B	Summer1	9.20	0.88	67.12	6.17	0.5492	0.6374
LE3.6	OLIGTR_B	Summer2	7.88	1.34	119.41	9.41	0.3479	0.6876
LE3.6	OLIGTR_B	Winter	7.07	0.43	36.68	2.59	0.5781	0.2145
LE3.6	MCZCLAD	Annual	0.00	0.00	ne	0.00	0.9368	0.0082
LE3.6	MCZCLAD	Fall	0.00	0.00	ne	0.00	ne	0.1213
LE3.6	MCZCLAD	SAV1	0.00	0.00	ne	0.00	0.7593	0.0797
LE3.6	MCZCLAD	SAV2	0.00	0.00	ne	0.00	0.7674	0.0887
LE3.6	MCZCLAD	Spring1	0.00	0.00	ne	0.00	0.6772	0.2879
LE3.6	MCZCLAD	Spring2	0.00	0.00	ne	0.00	0.7674	0.0887
LE3.6	MCZCLAD	Summer1	0.00	0.00	ne	0.00	ne	0.1266
LE3.6	MCZCLAD	Summer2	0.00	0.00	ne	0.00	ne	ne
LE3.6	MCZCLAD	Winter	0.00	0.00	ne	0.00	ne	0.1336
LE3.6	MCZCLADB	Annual	0.00	0.00	ne	0.00	0.9368	0.0082
LE3.6	MCZCLADB	Fall	0.00	0.00	ne	0.00	ne	0.1213
LE3.6	MCZCLADB	SAV1	0.00	0.00	ne	0.00	0.7593	0.0797
LE3.6	MCZCLADB	SAV2	0.00	0.00	ne	0.00	0.7674	0.0887
LE3.6	MCZCLADB	Spring1	0.00	0.00	ne	0.00	0.6772	0.2879
LE3.6	MCZCLADB	Spring2	0.00	0.00	ne	0.00	0.7674	0.0887
LE3.6	MCZCLADB	Summer1	0.00	0.00	ne	0.00	ne	0.1266
LE3.6	MCZCLADB	Summer2	0.00	0.00	ne	0.00	ne	ne

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
LE3.6	MCZCLADB	Winter	0.00	0.00	ne	0.00	ne	0.1336
LE3.6	TINTINID	Annual	1768.19	-69.88	-27.66	-489.13	0.2031	0.0465
LE3.6	TINTINID	Fall	1724.33	-22.75	-9.24	-159.25	0.1455	0.6301
LE3.6	TINTINID	SAV1	1587.67	-19.60	-8.64	-137.20	0.2387	0.9624
LE3.6	TINTINID	SAV2	1528.33	-48.00	-21.98	-336.00	0.4741	0.2986
LE3.6	TINTINID	Spring1	1648.33	-149.50	-54.42	-897.00	0.6019	0.1509
LE3.6	TINTINID	Spring2	1551.33	-371.40	-143.64	-2228.40	0.8127	0.0413
LE3.6	TINTINID	Summer1	1147.00	-2.05	-1.25	-14.35	0.3355	1.0000
LE3.6	TINTINID	Summer2	1324.50	13.50	7.13	94.50	0.4640	0.5028
LE3.6	TINTINID	Winter	3632.50	-367.40	-60.69	-2204.40	0.8467	0.0031
LE3.6	TINTIN_B	Annual	5.66	-0.22	-27.71	-1.57	0.2031	0.0465
LE3.6	TINTIN_B	Fall	5.52	-0.07	-9.26	-0.51	0.1455	0.6301
LE3.6	TINTIN_B	SAV1	5.08	-0.06	-8.68	-0.44	0.2387	0.9624
LE3.6	TINTIN_B	SAV2	4.89	-0.15	-22.04	-1.08	0.4741	0.2986
LE3.6	TINTIN_B	Spring1	5.28	-0.48	-54.37	-2.87	0.6019	0.1509
LE3.6	TINTIN_B	Spring2	4.96	-1.19	-143.59	-7.13	0.8127	0.0413
LE3.6	TINTIN_B	Summer1	3.67	-0.01	-1.34	-0.05	0.3355	1.0000
LE3.6	TINTIN_B	Summer2	4.24	0.04	7.10	0.30	0.4640	0.5028
LE3.6	TINTIN_B	Winter	11.62	-1.18	-60.70	-7.06	0.8467	0.0031
LE3.6	SARCOD_B	Annual	0.00	0.00	ne	0.00	0.9341	0.0111
LE3.6	SARCODIN	Annual	0.00	0.00	ne	0.00	0.9341	0.0111
LE3.6	SARCOD_B	Fall	0.00	0.00	ne	0.00	ne	0.6985
LE3.6	SARCODIN	Fall	0.00	0.00	ne	0.00	ne	0.6985
LE3.6	SARCOD_B	SAV1	0.00	0.00	ne	0.00	0.7305	0.0728
LE3.6	SARCODIN	SAV1	0.00	0.00	ne	0.00	0.7305	0.0728
LE3.6	SARCOD_B	SAV2	0.00	0.00	ne	0.00	0.9588	0.0183
LE3.6	SARCODIN	SAV2	0.00	0.00	ne	0.00	0.9588	0.0183
LE3.6	SARCOD_B	Spring1	0.00	0.00	ne	0.00	0.8162	0.0629
LE3.6	SARCODIN	Spring1	0.00	0.00	ne	0.00	0.8162	0.0629
LE3.6	SARCOD_B	Spring2	0.00	0.00	ne	0.00	0.8162	0.0629
LE3.6	SARCODIN	Spring2	0.00	0.00	ne	0.00	0.8162	0.0629
LE3.6	SARCOD_B	Summer1	0.00	0.00	ne	0.00	0.7899	0.0660
LE3.6	SARCODIN	Summer1	0.00	0.00	ne	0.00	0.7899	0.0660
LE3.6	SARCOD_B	Summer2	0.00	0.00	ne	0.00	ne	0.1266
LE3.6	SARCODIN	Summer2	0.00	0.00	ne	0.00	ne	0.1266
LE3.6	SARCOD_B	Winter	0.00	0.00	ne	0.00	ne	ne
LE3.6	SARCODIN	Winter	0.00	0.00	ne	0.00	ne	ne
LE3.6	POLYLARV	Annual	6.81	-0.33	-34.21	-2.33	0.0374	0.0168
LE3.6	POLYLARV	Fall	6.33	-0.73	-80.14	-5.08	0.6524	0.0109
LE3.6	POLYLARV	SAV1	9.00	-0.33	-25.90	-2.33	0.0454	0.1502
LE3.6	POLYLARV	SAV2	10.33	-0.63	-42.34	-4.38	0.2190	0.0019
LE3.6	POLYLARV	Spring1	13.00	0.17	7.71	1.00	0.1149	0.3066
LE3.6	POLYLARV	Spring2	15.00	0.00	0.00	0.00	0.4346	0.8182
LE3.6	POLYLARV	Summer1	5.80	-0.63	-75.43	-4.38	0.3524	0.0063
LE3.6	POLYLARV	Summer2	5.75	-0.85	-103.97	-5.98	0.4554	0.0029
LE3.6	POLYLARV	Winter	1.50	0.00	0.00	0.00	0.2557	0.4631
LE3.6	POLYLV_B	Annual	6.81	-0.33	-34.21	-2.33	0.0374	0.0168
LE3.6	POLYLV_B	Fall	6.33	-0.73	-80.14	-5.08	0.6524	0.0109
LE3.6	POLYLV_B	SAV1	9.00	-0.33	-25.90	-2.33	0.0454	0.1502

Appendix K. Continued.

Station	Parameter	Season	Baseline	Slope	% Change	Absolute Change	Homogeneity Test p Value	p Value
LE3.6	POLYLV_B	SAV2	10.33	-0.63	-42.34	-4.38	0.2190	0.0019
LE3.6	POLYLV_B	Spring1	13.00	0.17	7.71	1.00	0.1149	0.3066
LE3.6	POLYLV_B	Spring2	15.00	0.00	0.00	0.00	0.4346	0.8182
LE3.6	POLYLV_B	Summer1	5.80	-0.63	-75.43	-4.38	0.3524	0.0063
LE3.6	POLYLV_B	Summer2	5.75	-0.85	-103.97	-5.98	0.4554	0.0029
LE3.6	POLYLV_B	Winter	1.50	0.00	0.00	0.00	0.2557	0.4631
LE3.6	BARNNAUP	Annual	1.38	0.00	0.00	0.00	0.7267	0.1443
LE3.6	BARNNAUP	Fall	2.50	0.00	0.00	0.00	0.6717	0.2434
LE3.6	BARNNAUP	SAV1	0.89	0.00	0.00	0.00	0.7286	0.2728
LE3.6	BARNNAUP	SAV2	0.44	0.00	0.00	0.00	0.5695	0.1198
LE3.6	BARNNAUP	Spring1	0.67	0.00	0.00	0.00	0.4741	0.7488
LE3.6	BARNNAUP	Spring2	0.67	0.00	0.00	0.00	0.9659	0.1551
LE3.6	BARNNAUP	Summer1	0.20	0.00	0.00	0.00	0.2461	0.4948
LE3.6	BARNNAUP	Summer2	0.25	0.00	0.00	0.00	0.1724	0.9159
LE3.6	BARNNAUP	Winter	2.00	-0.10	-30.00	-0.60	0.3285	0.4890
LE3.6	BARNAU_B	Annual	1.38	0.00	0.00	0.00	0.7267	0.1443
LE3.6	BARNAU_B	Fall	2.50	0.00	0.00	0.00	0.6717	0.2434
LE3.6	BARNAU_B	SAV1	0.89	0.00	0.00	0.00	0.7286	0.2728
LE3.6	BARNAU_B	SAV2	0.44	0.00	0.00	0.00	0.5695	0.1198
LE3.6	BARNAU_B	Spring1	0.67	0.00	0.00	0.00	0.4741	0.7488
LE3.6	BARNAU_B	Spring2	0.67	0.00	0.00	0.00	0.9659	0.1551
LE3.6	BARNAU_B	Summer1	0.20	0.00	0.00	0.00	0.2461	0.4948
LE3.6	BARNAU_B	Summer2	0.25	0.00	0.00	0.00	0.1724	0.9159
LE3.6	BARNAU_B	Winter	2.00	-0.10	-30.00	-0.60	0.3285	0.4890

Appendix L. Scatterplots of microzooplankton bioindicators

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TF5.5

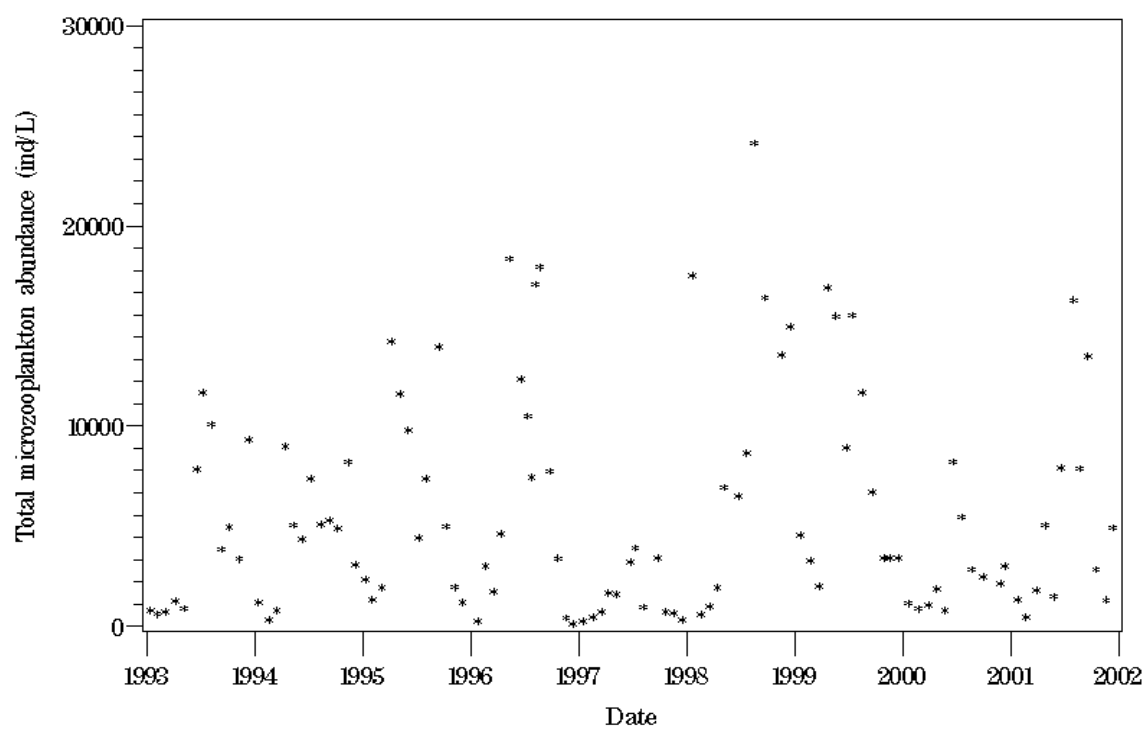


Figure L1. Plot of total microzooplankton abundance against time at station TF5.5 for the period of 1993 through 2001.

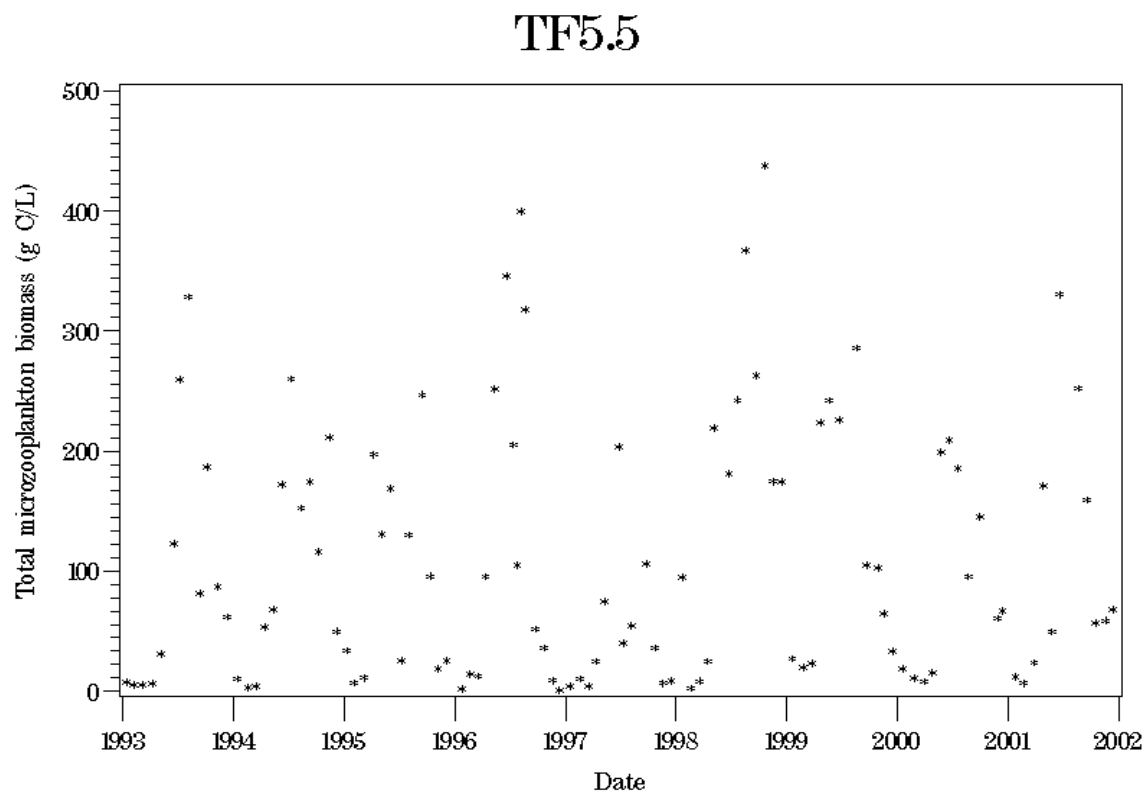


Figure L2. Plot of total microzooplankton biomass against time at station TF5.5 for the period of 1993 through 2001.

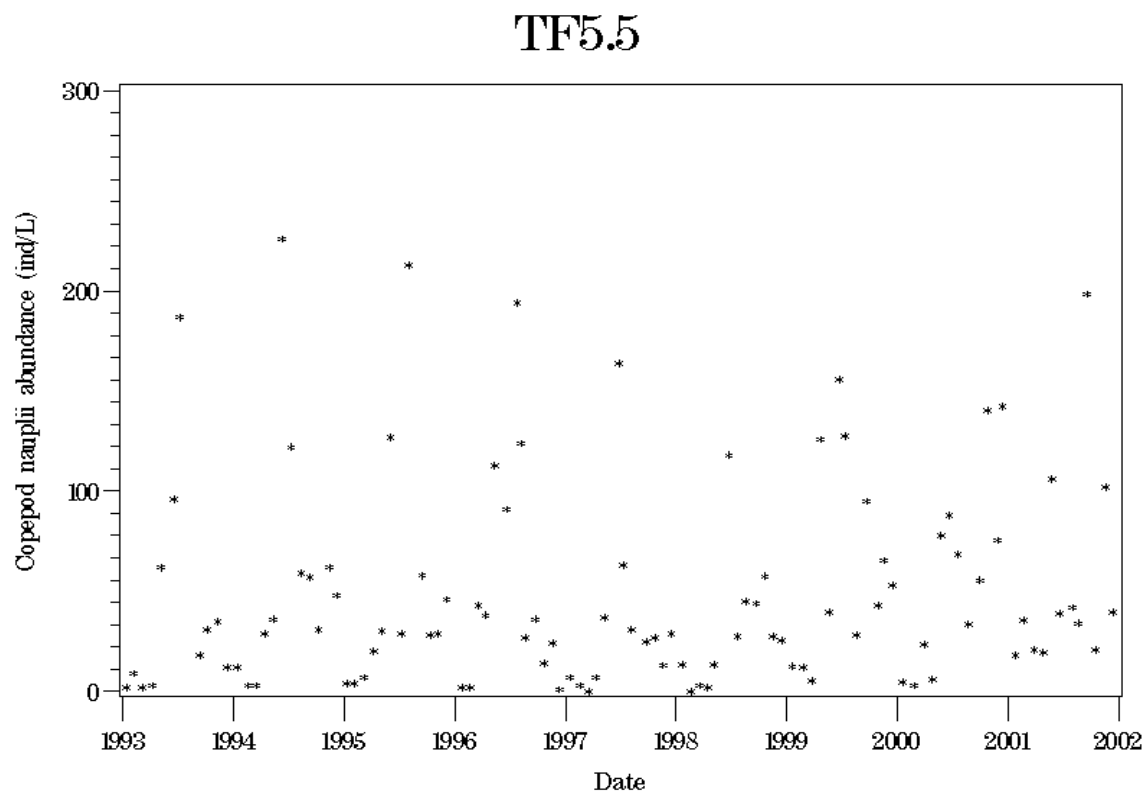


Figure L3. Plot of copepod nauplii abundance against time at station TF5.5 for the period of 1993 through 2001.

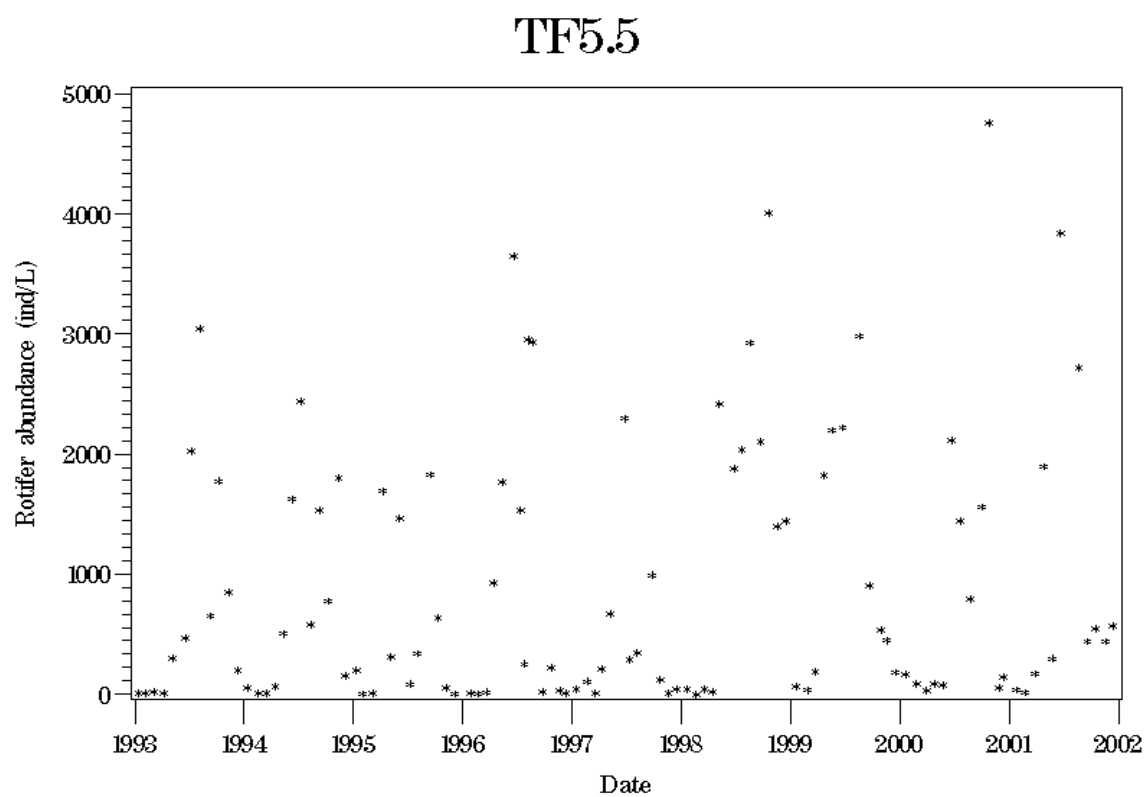


Figure L4. Plot of rotifer abundance against time at station TF5.5 for the period of 1993 through 2001.

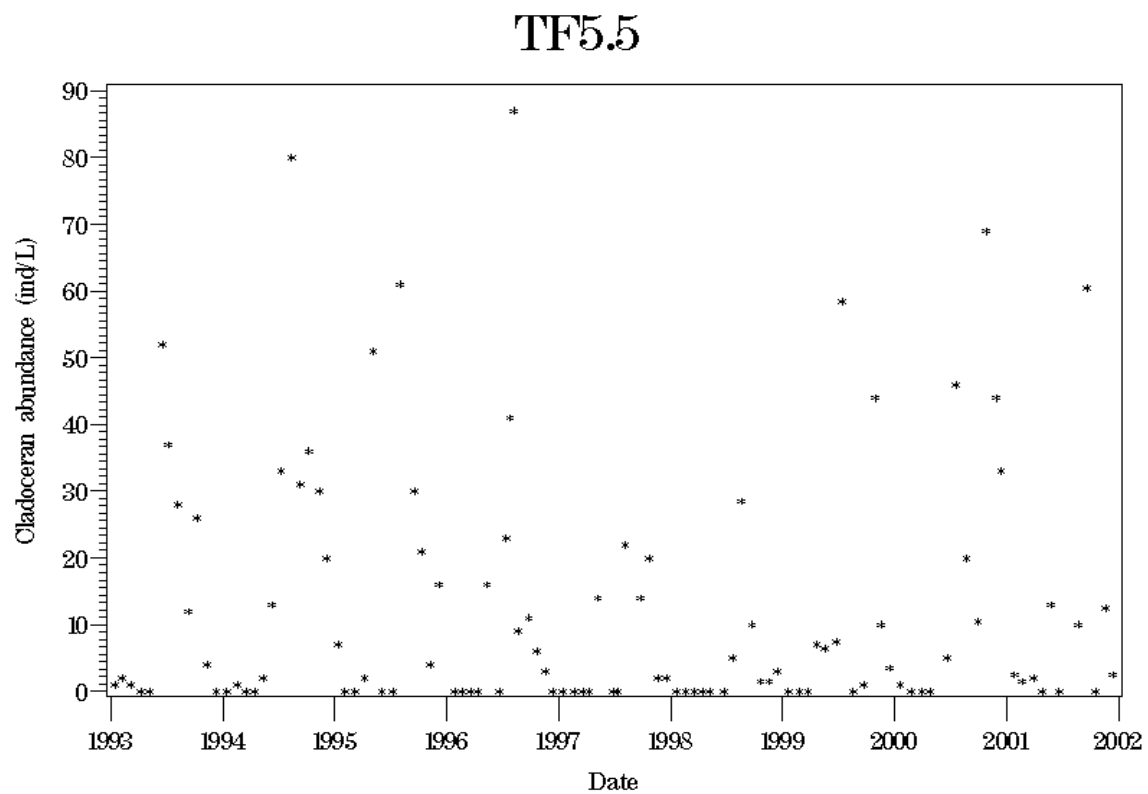


Figure L5. Plot of cladoceran abundance against time at station TF5.5 for the period of 1993 through 2001.

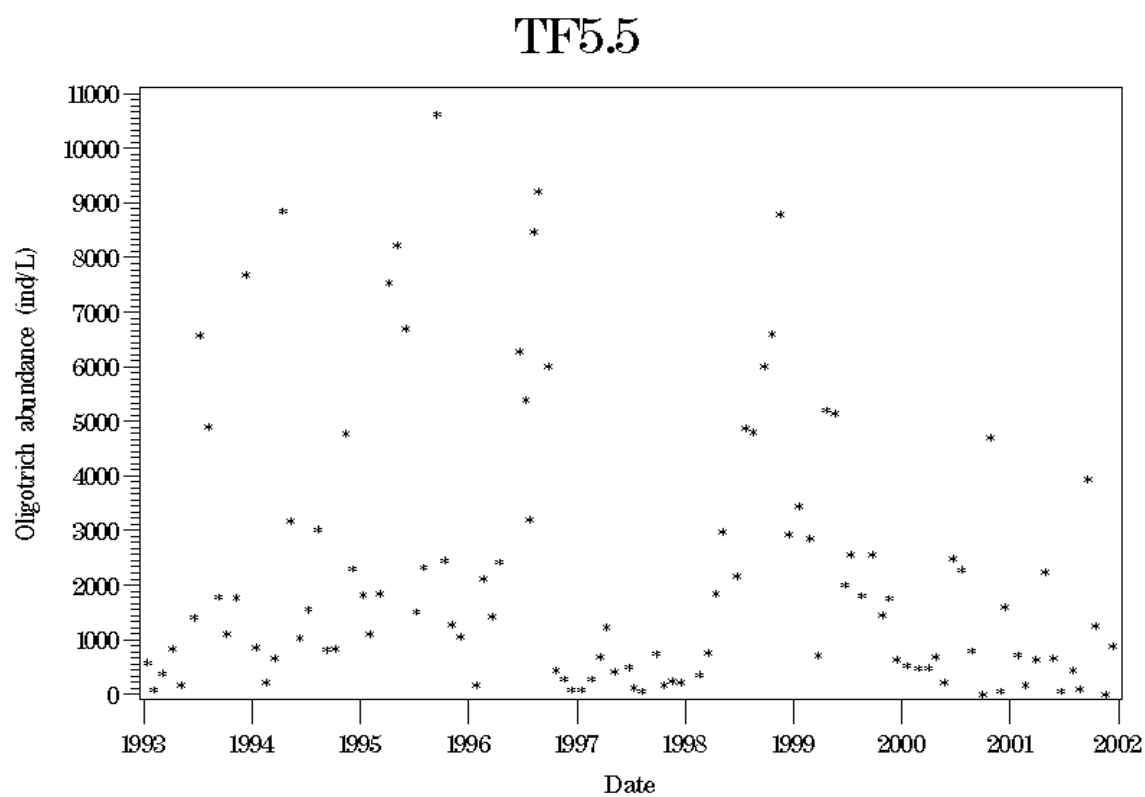


Figure L6. Plot of oligotrich abundance against time at station TF5.5 for the period of 1993 through 2001.

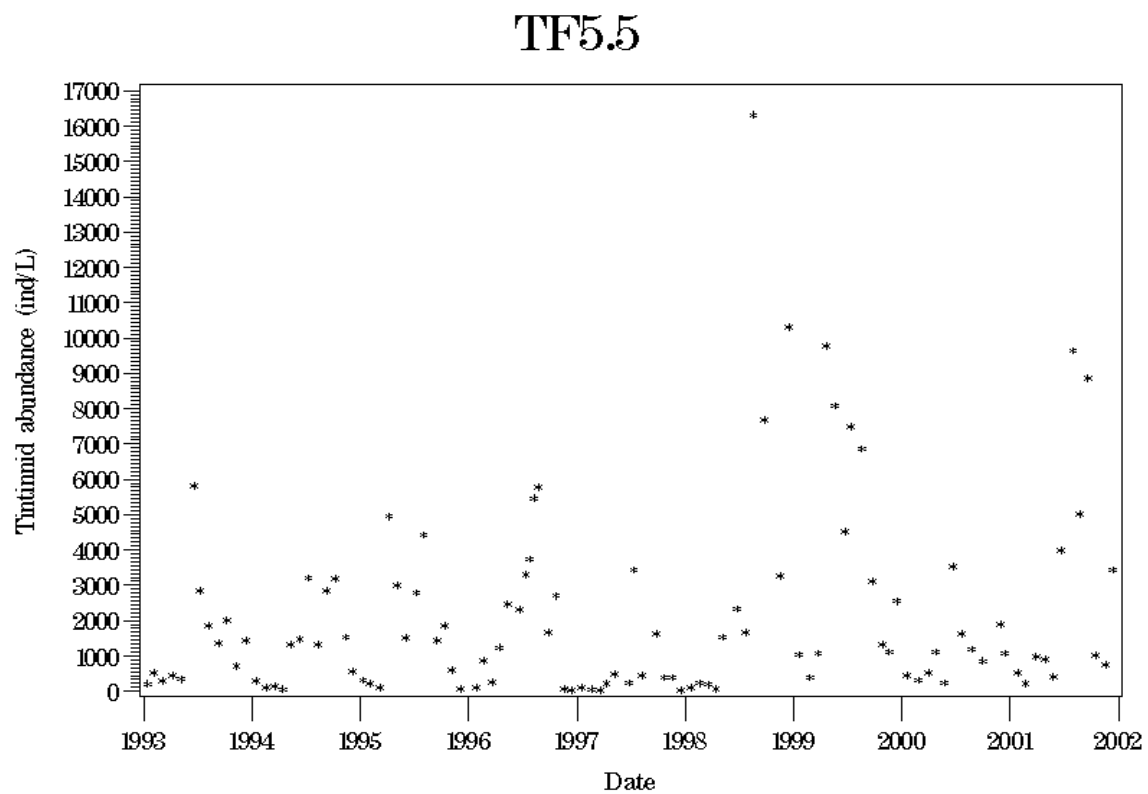


Figure L7. Plot of tintinnid abundance against time at station TF5.5 for the period of 1993 through 2001.

TF5.5

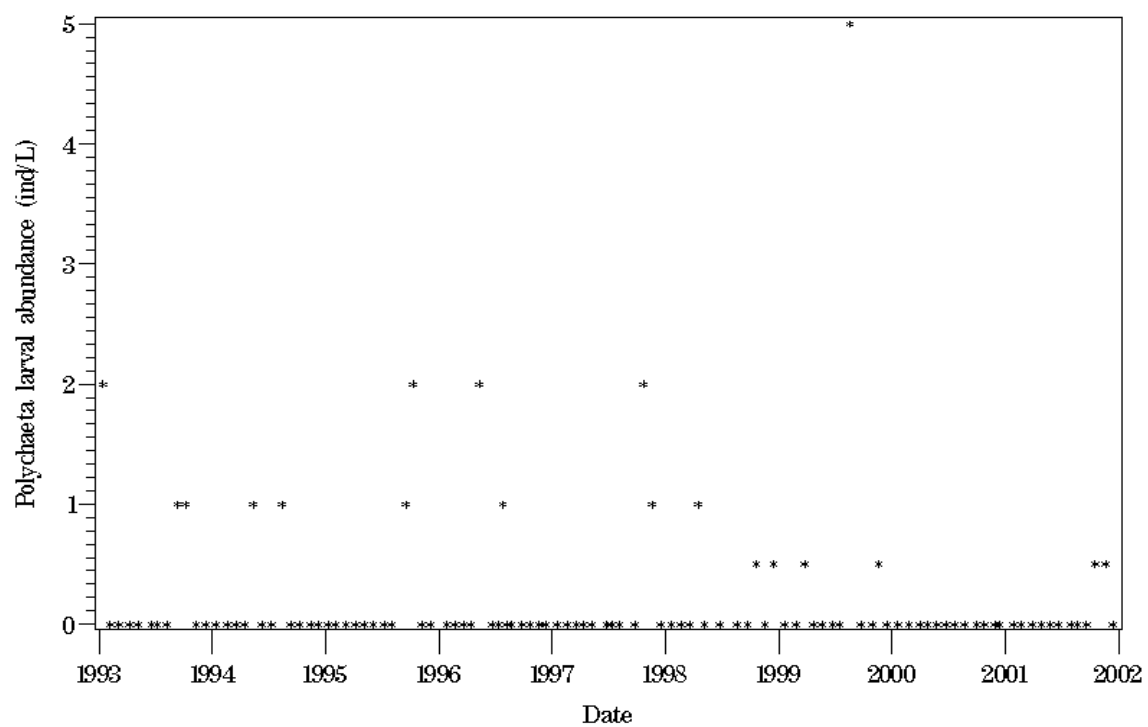


Figure L8. Plot of polychaete larval abundance against time at station TF5.5 for the period of 1993 through 2001.

RET5.2

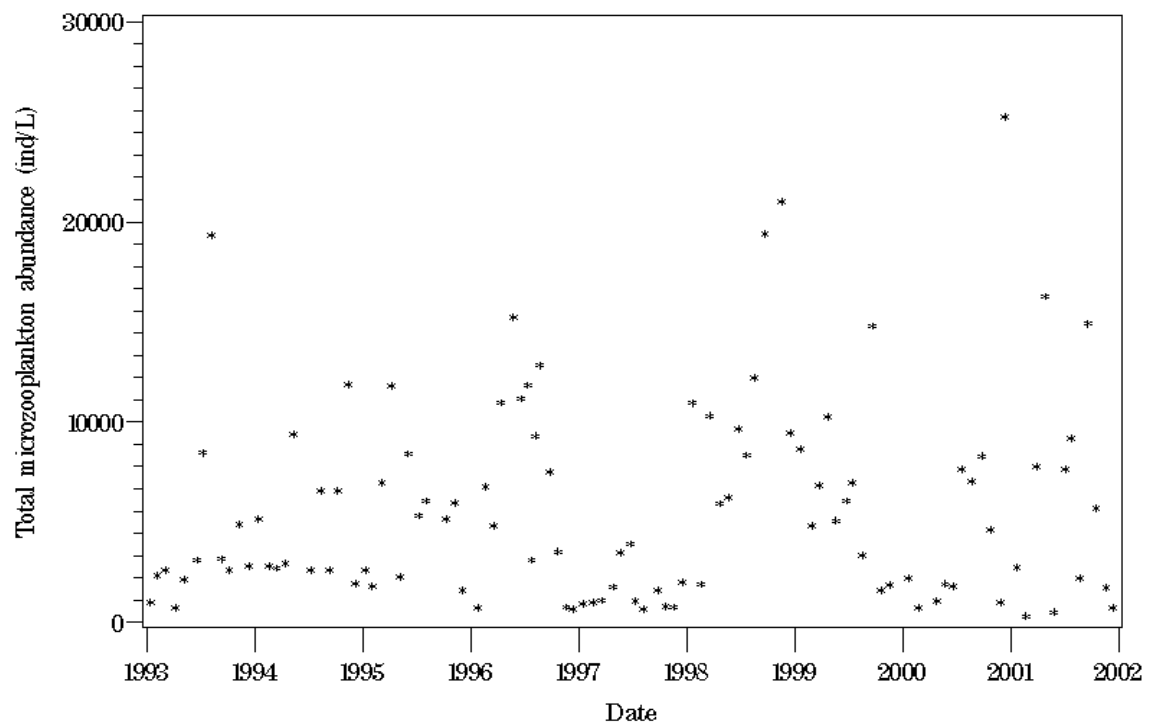


Figure L9. Plot of total microzooplankton abundance against time at station TF5.5 for the period of 1993 through 2001.

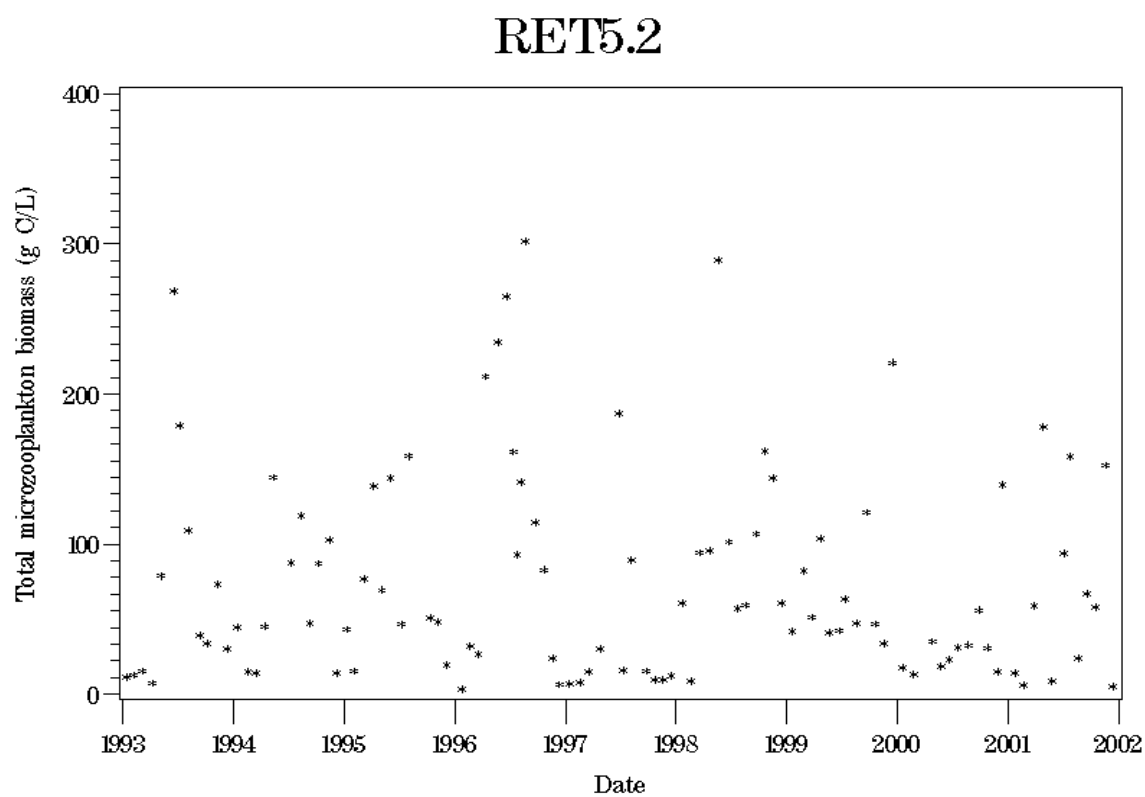


Figure L10. Plot of total microzooplankton biomass against time at station RET5.2 for the period of 1993 through 2001.

RET5.2

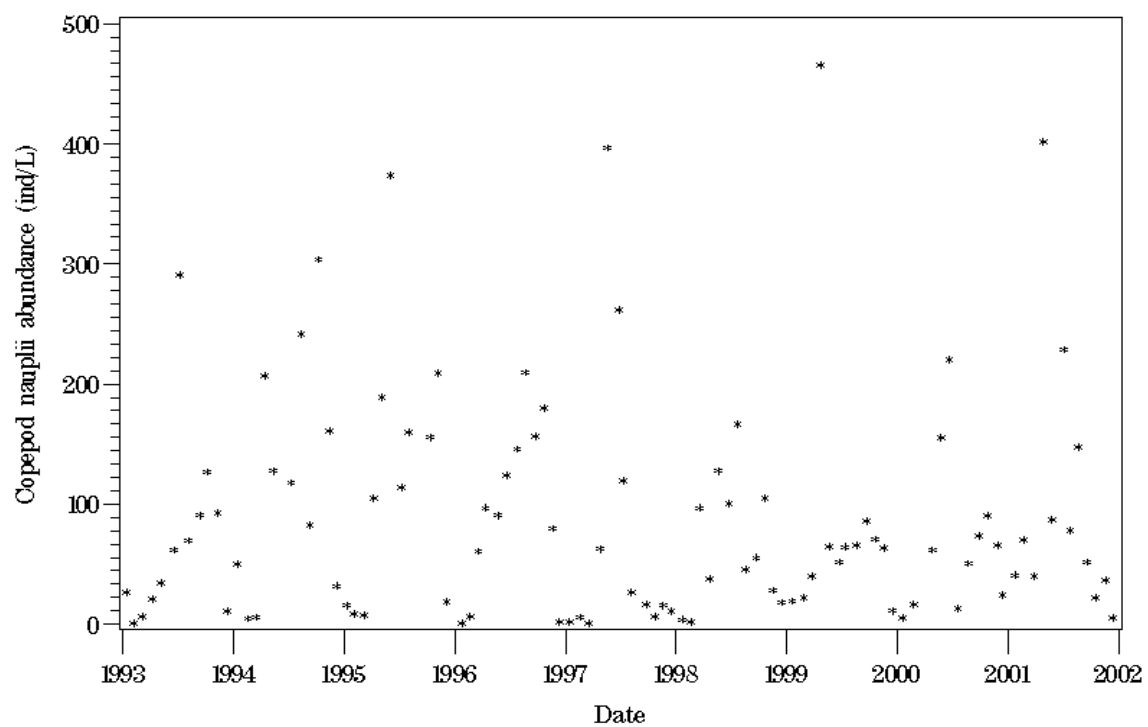


Figure L11. Plot of copepod nauplii abundance against time at station RET5.2 for the period of 1993 through 2001.

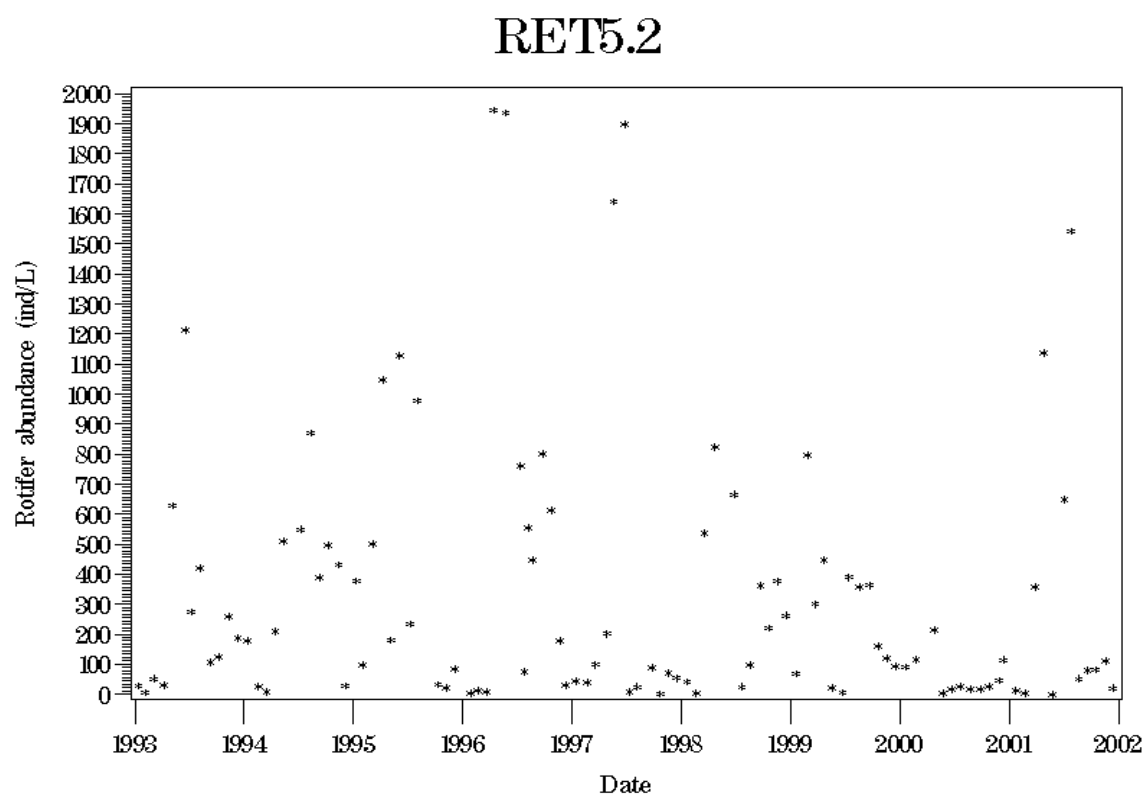


Figure L12. Plot of rotifer abundance against time at station RET5.2 for the period of 1993 through 2001.

RET5.2

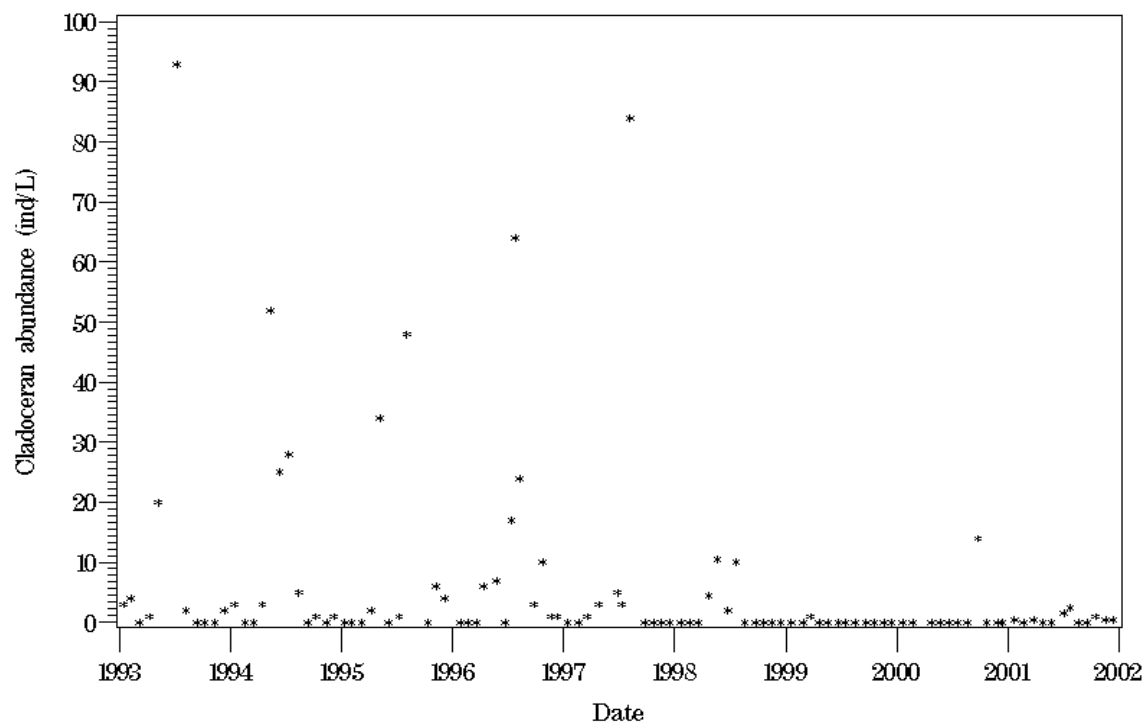


Figure L13. Plot of cladoceran abundance against time at station RET5.2 for the period of 1993 through 2001.

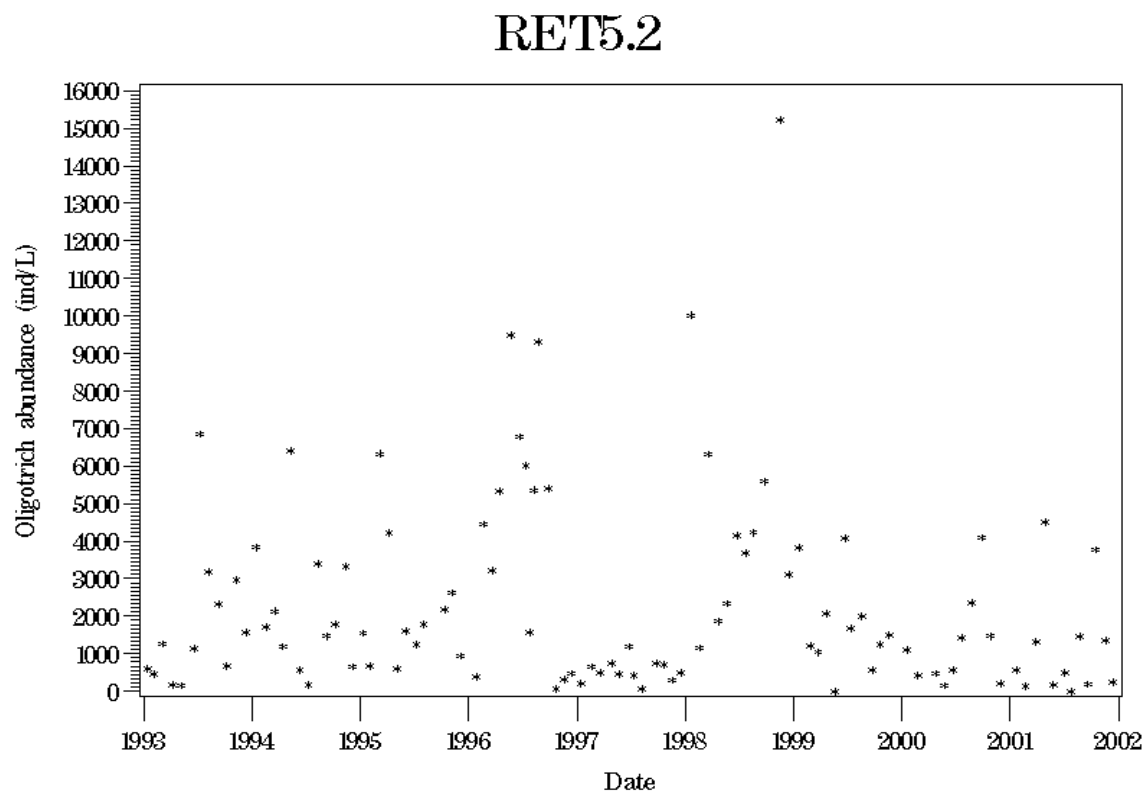


Figure L14. Plot of oligotrich abundance against time at station RET5.2 for the period of 1993 through 2001.

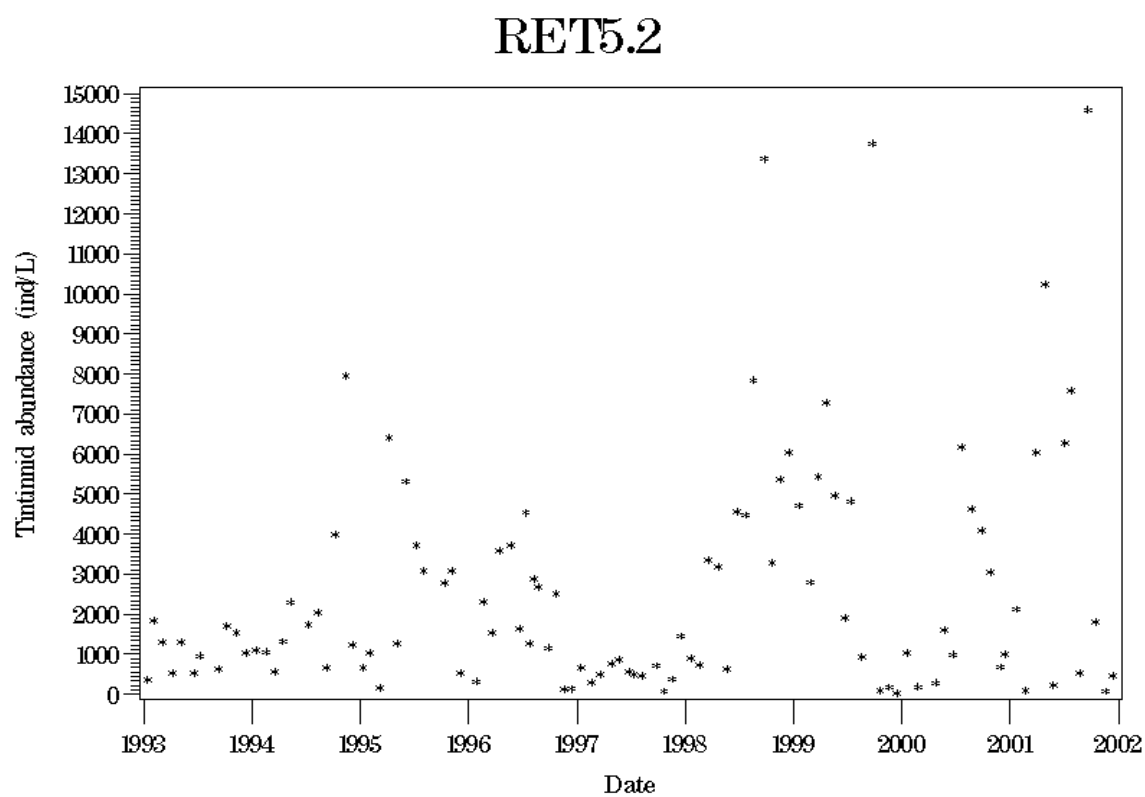


Figure L15. Plot of tintinnid abundance against time at station RET5.2 for the period of 1993 through 2001.

RET5.2

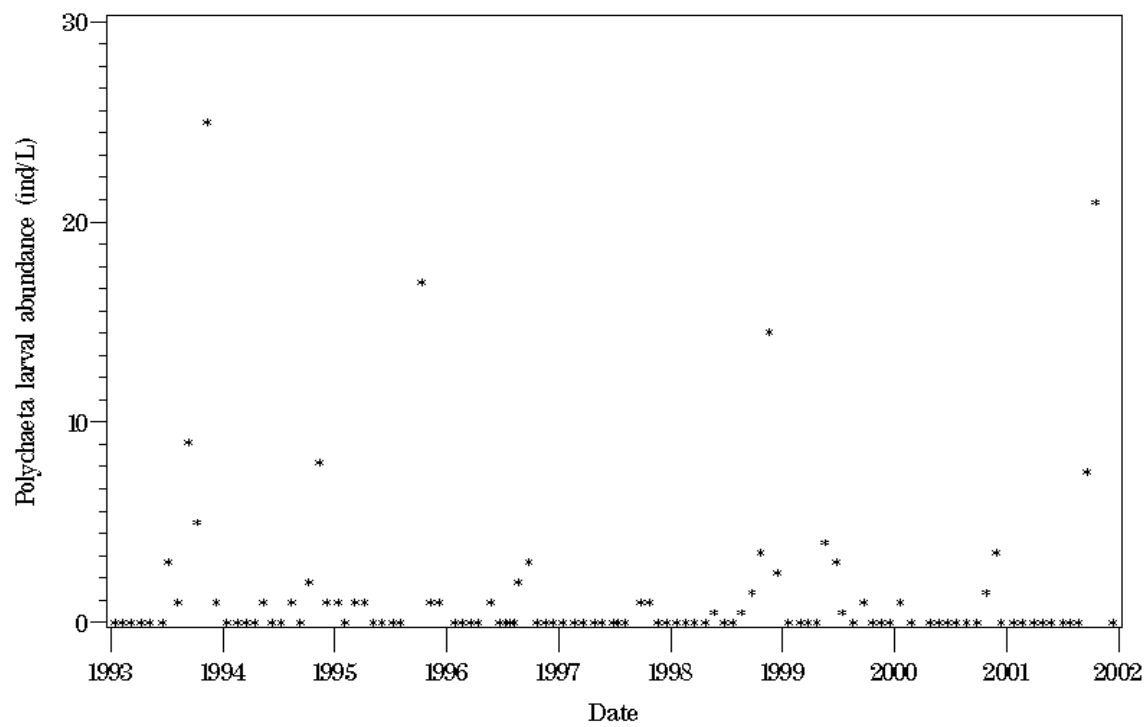


Figure L16. Plot of polychaete larval abundance against time at station RET5.2 for the period of 1993 through 2001.

LE5.5

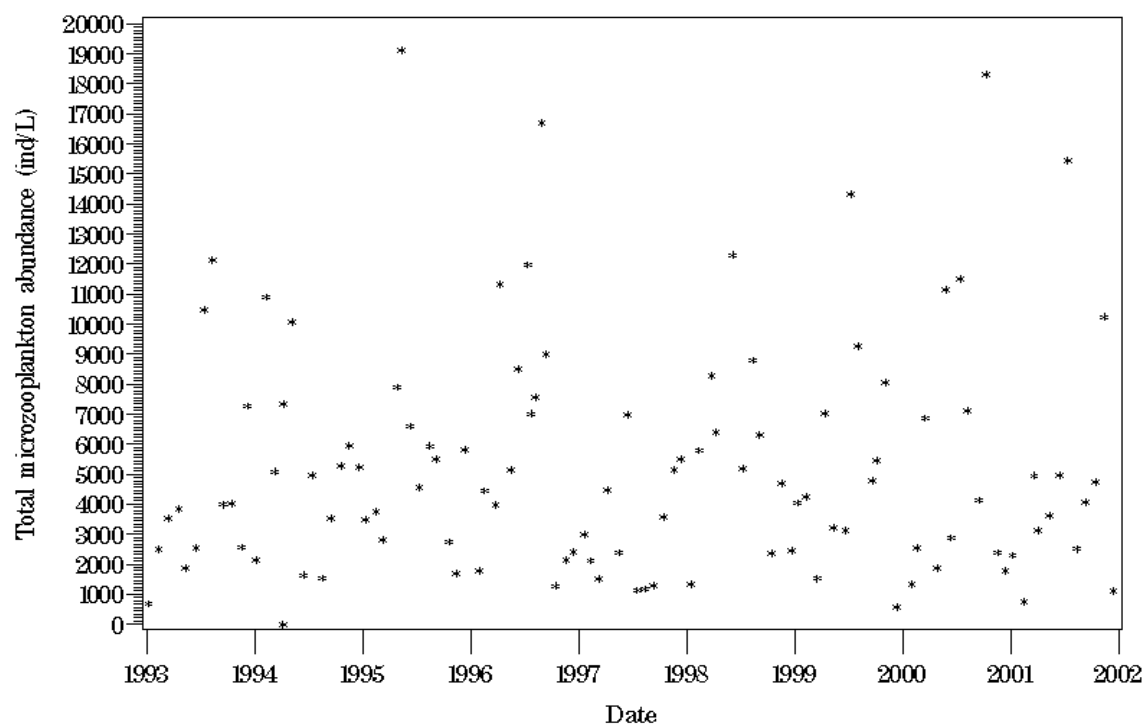


Figure L17. Plot of total microzooplankton abundance against time at station LE5.5 for the period of 1993 through 2001.

LE5.5

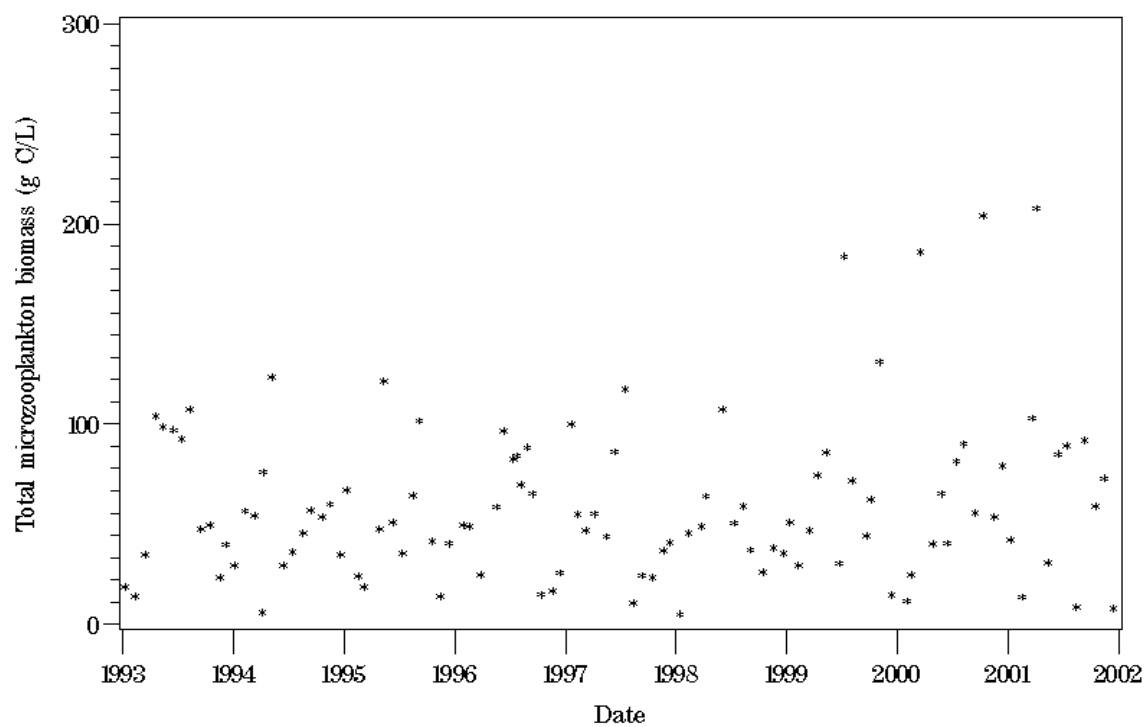


Figure L18. Plot of total microzooplankton biomass against time at station LE5.5 for the period of 1993 through 2001.

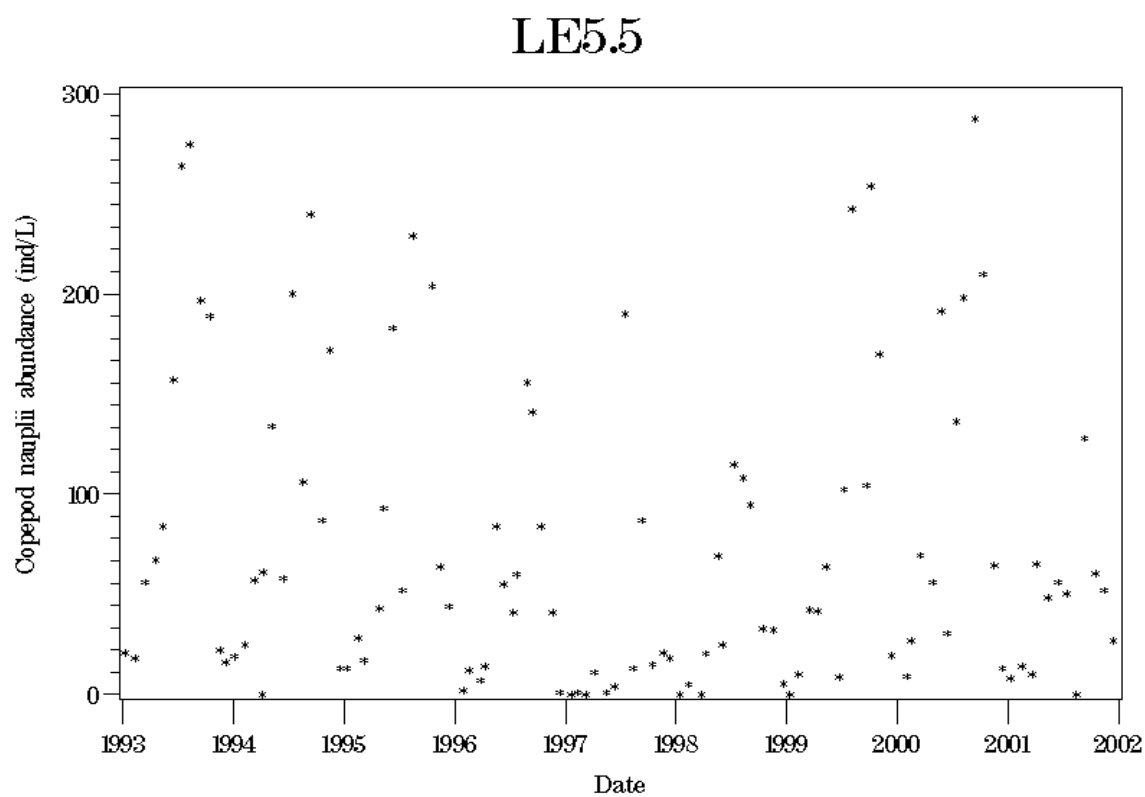


Figure L19. Plot of copepod nauplii abundance against time at station LE5.5 for the period of 1993 through 2001.

LE5.5

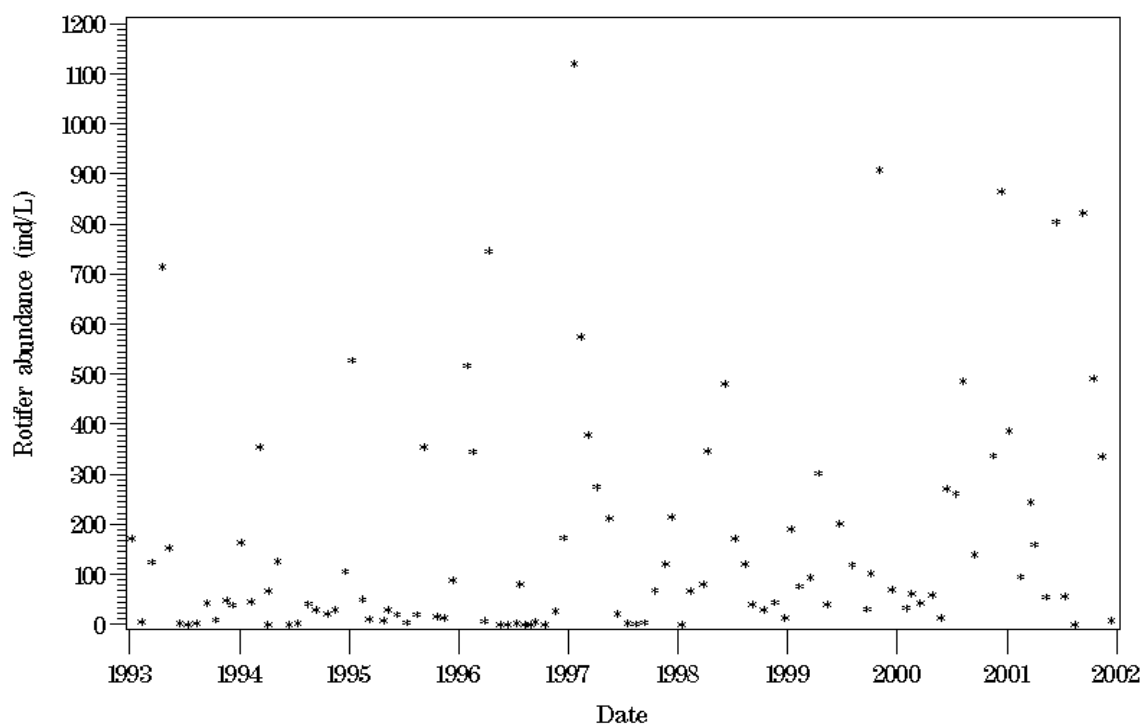


Figure L20. Plot of rotifer abundance against time at station LE5.5 for the period of 1993 through 2001.

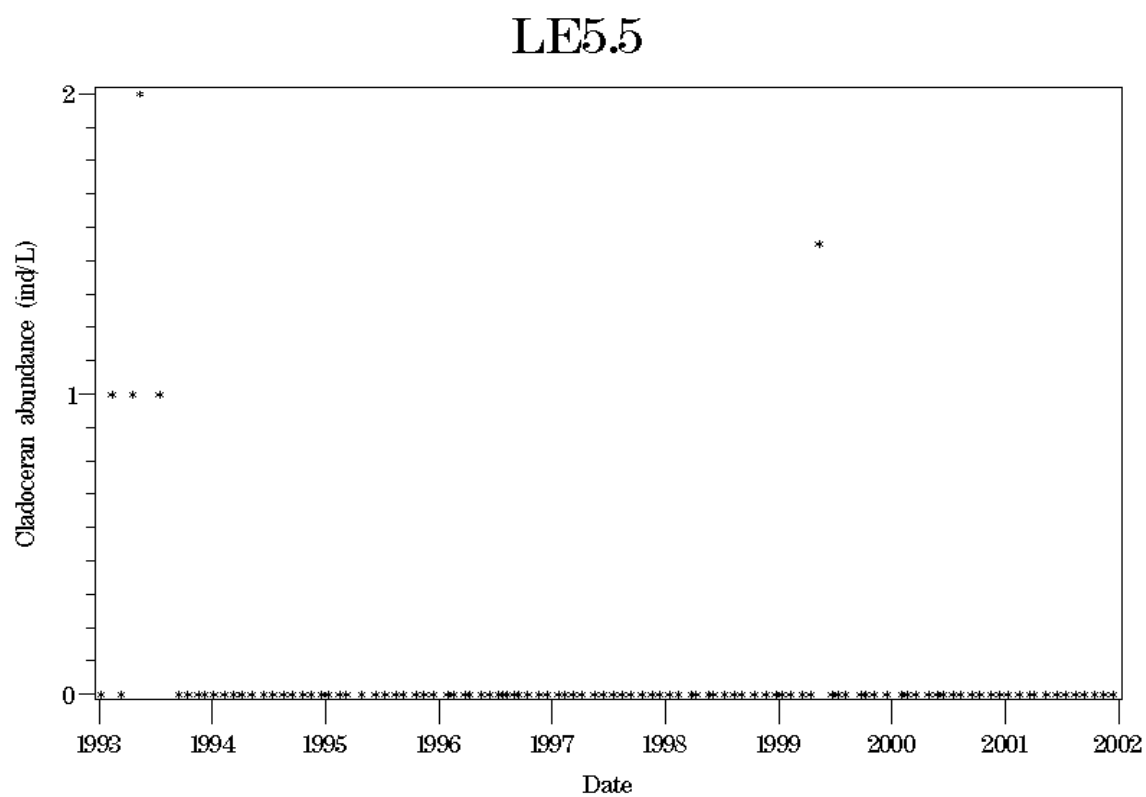


Figure L21. Plot of cladoceran abundance against time at station LE5.5 for the period of 1993 through 2001.

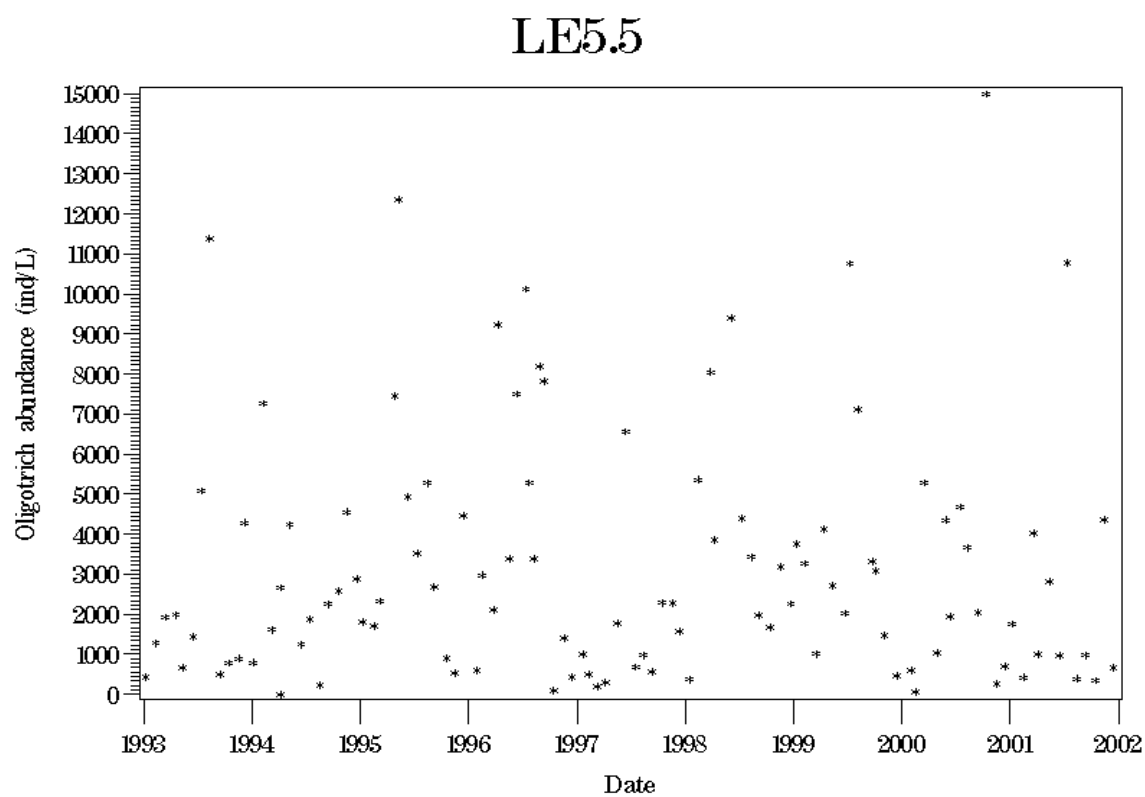


Figure L22. Plot of oligotrich abundance against time at station LE5.5 for the period of 1993 through 2001.

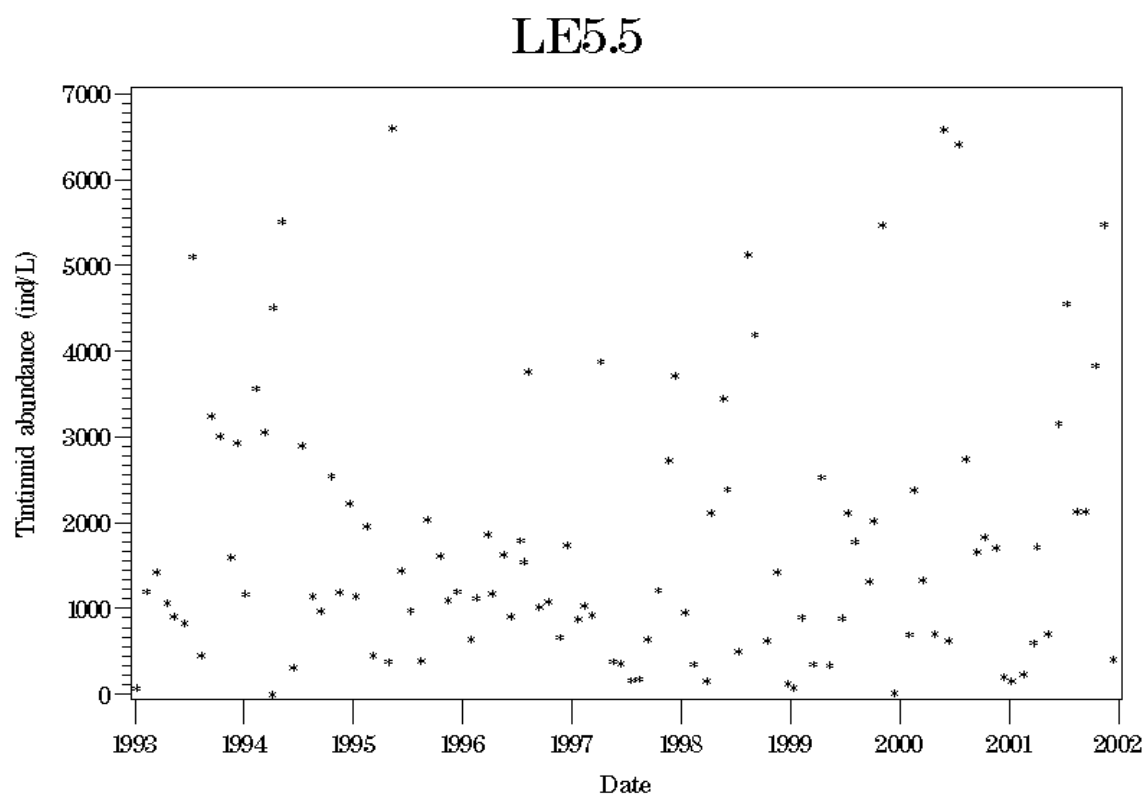


Figure L23. Plot of tintinnid abundance against time at station LE5.5 for the period of 1993 through 2001.

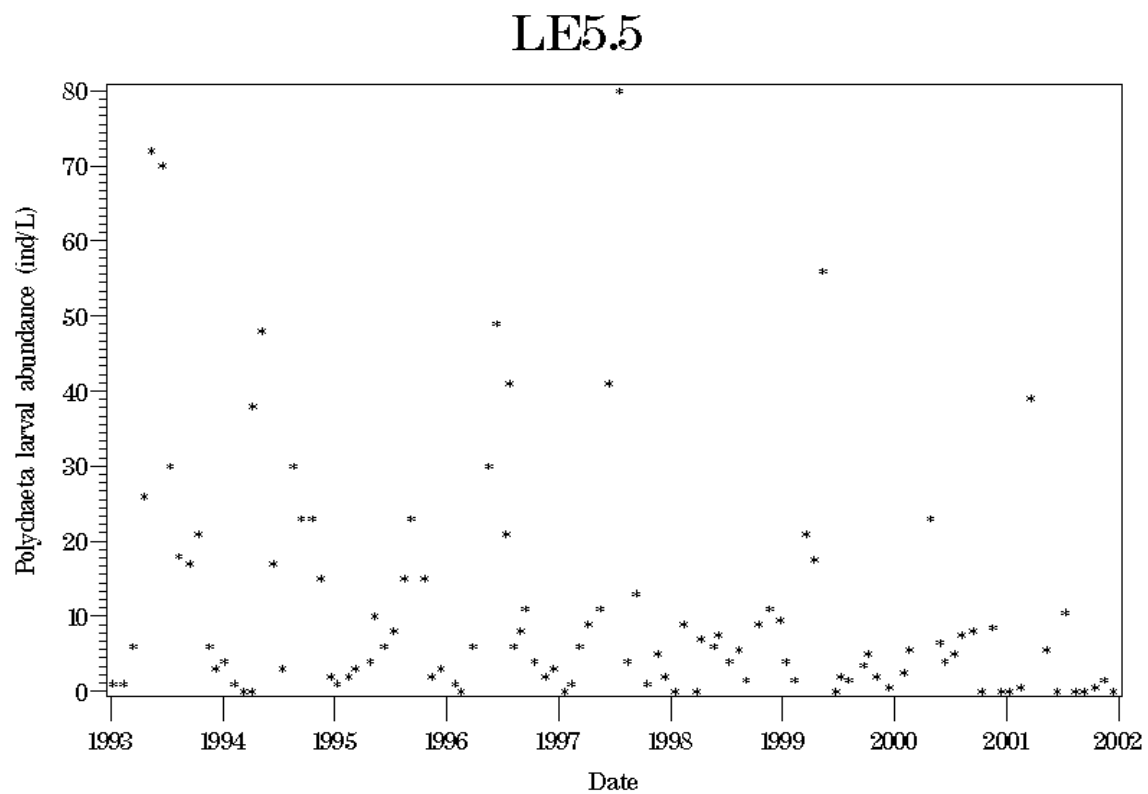


Figure L24. Plot of polychaete larval abundance against time at station LE5.5 for the period of 1993 through 2001.

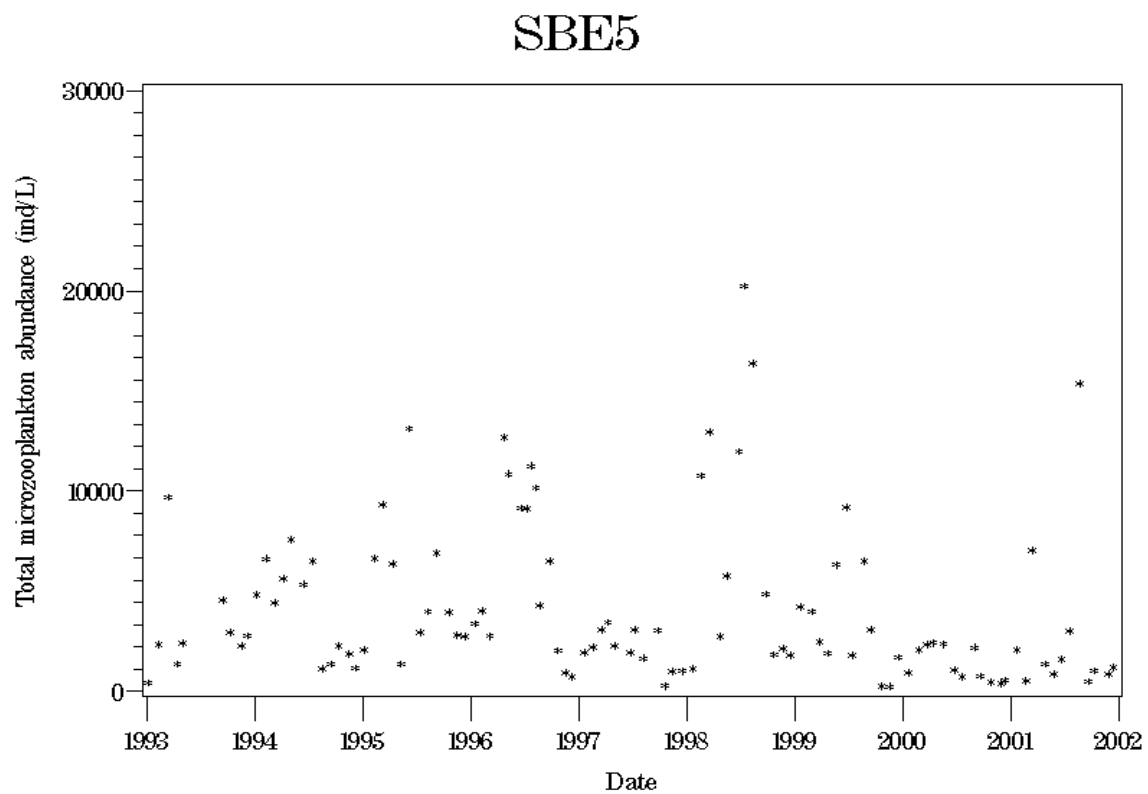


Figure L25. Plot of total microzooplankton abundance against time at station SBE5 for the period of 1993 through 2001.

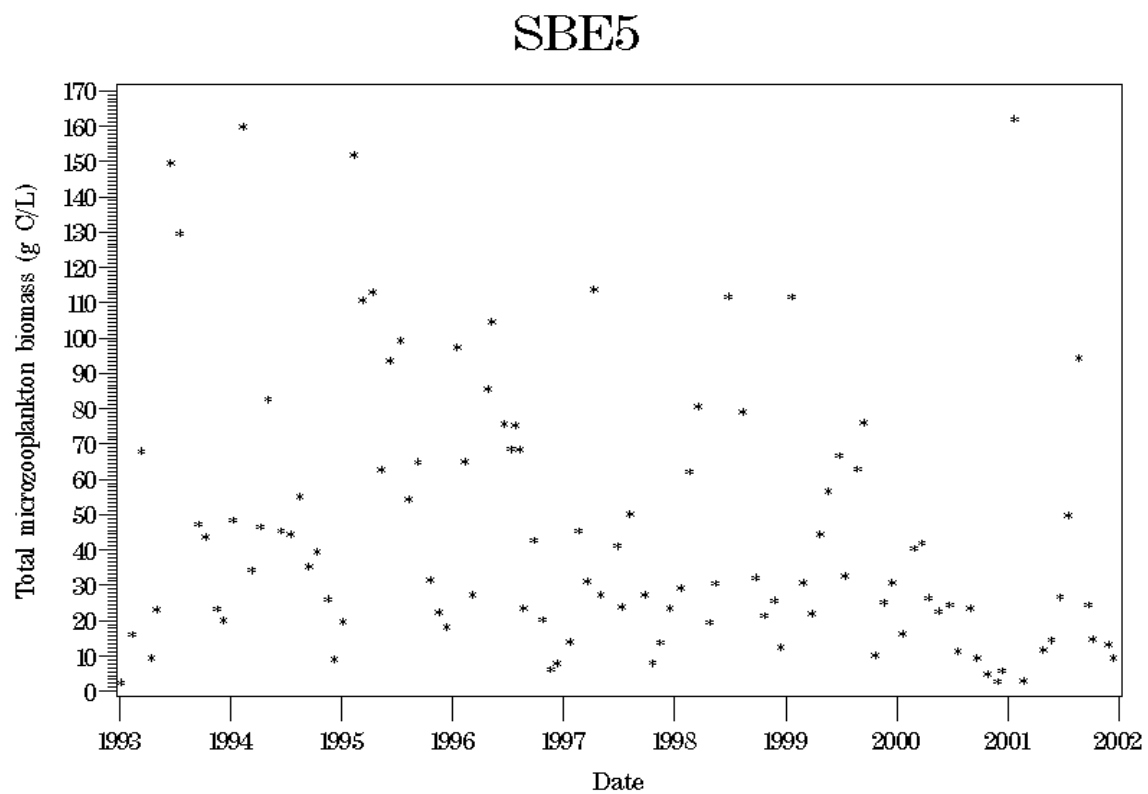


Figure L26. Plot of total microzooplankton biomass against time at station SBE5 for the period of 1993 through 2001.

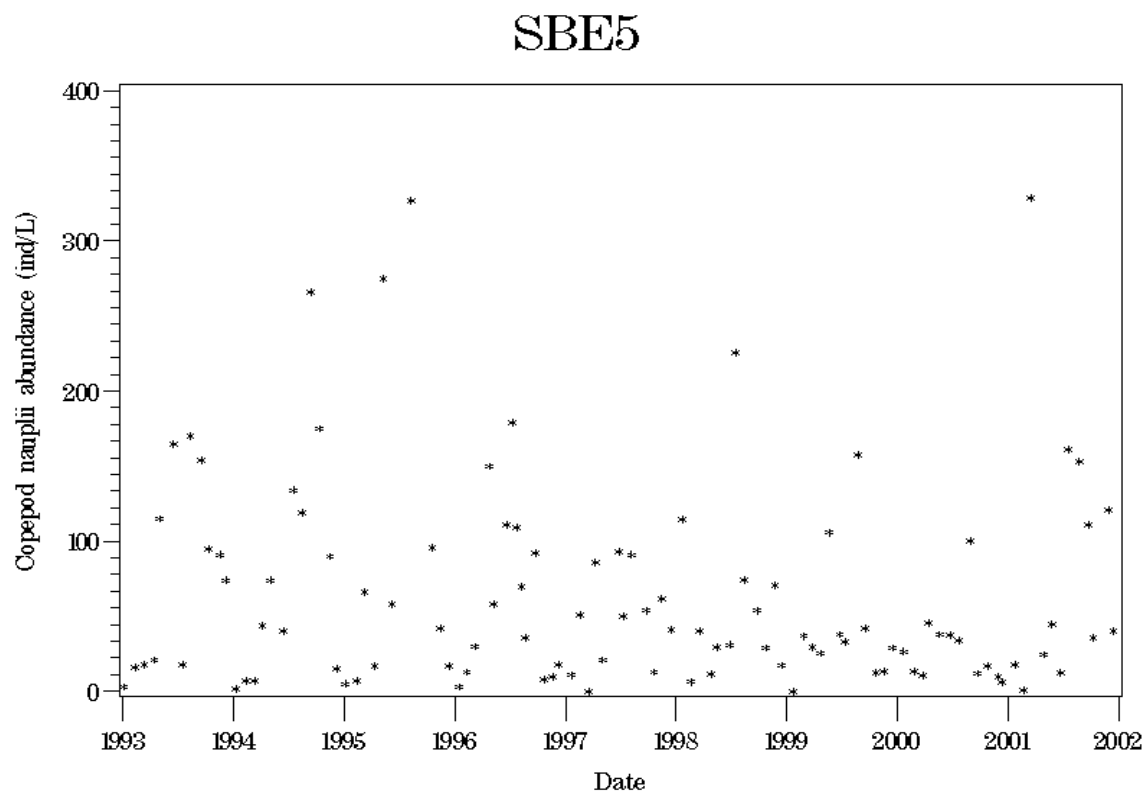


Figure L27. Plot of copepod nauplii abundance against time at station SBE5 for the period of 1993 through 2001.

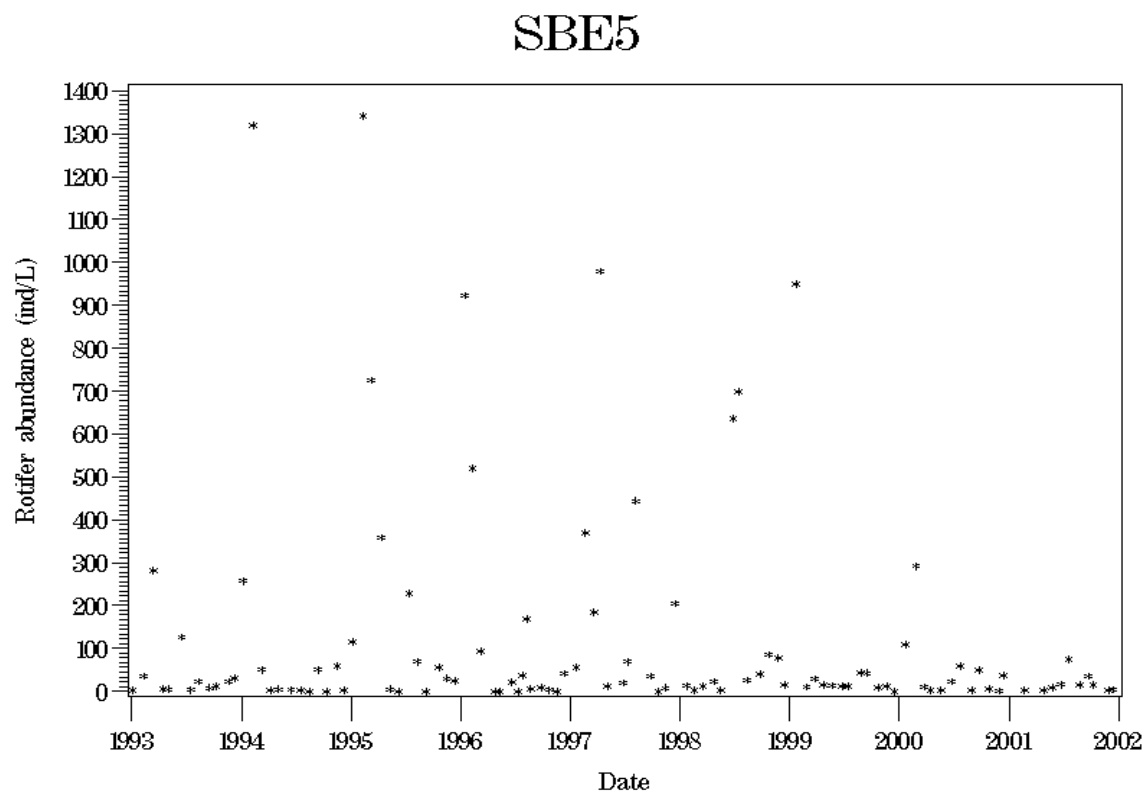


Figure L28. Plot of rotifer abundance against time at station SBE5 for the period of 1993 through 2001.

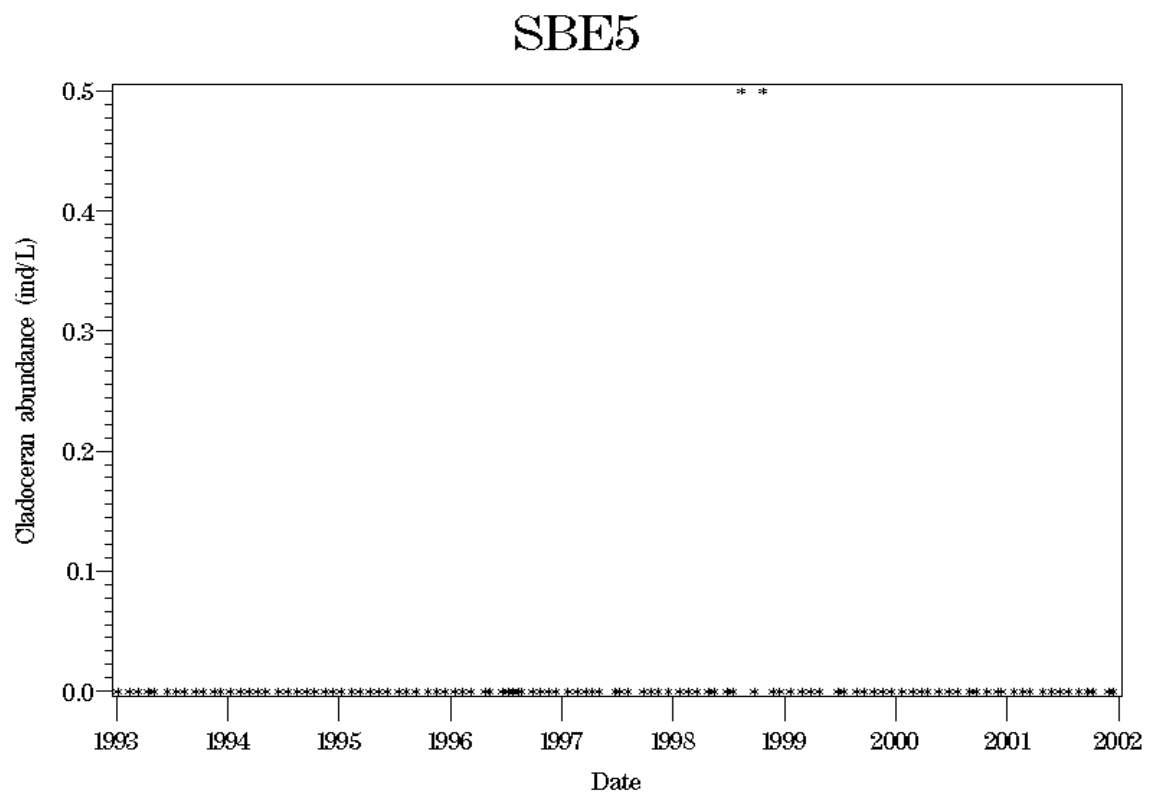


Figure L29. Plot of cladoceran abundance against time at station SBE5 for the period of 1993 through 2001.

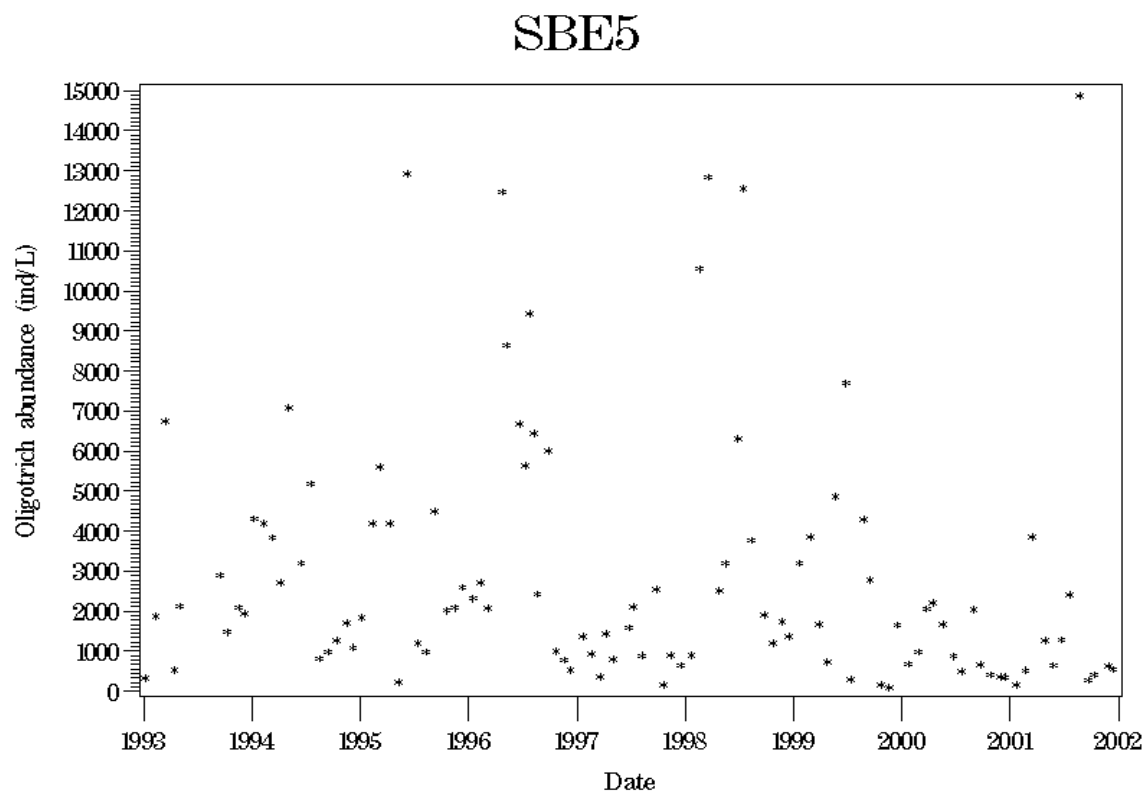


Figure L30. Plot of oligotrich abundance against time at station SBE5 for the period of 1993 through 2001.

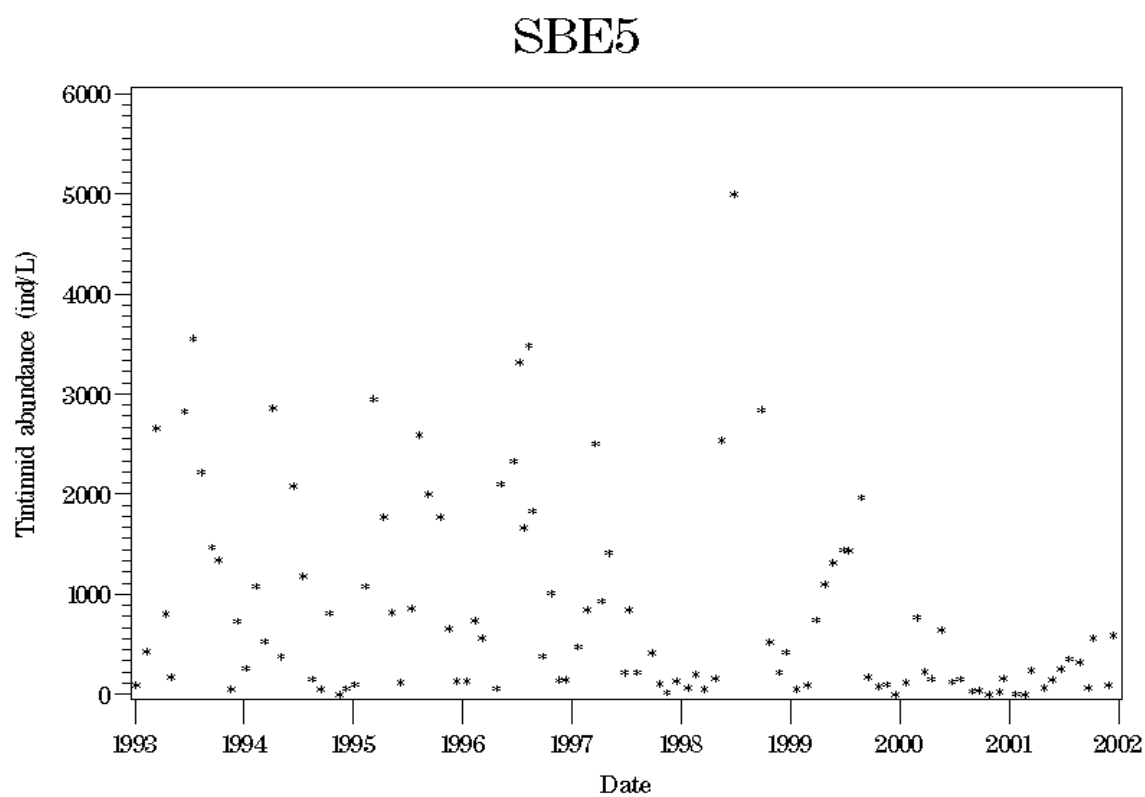


Figure L31. Plot of tintinnid abundance against time at station SBE5 for the period of 1993 through 2001.

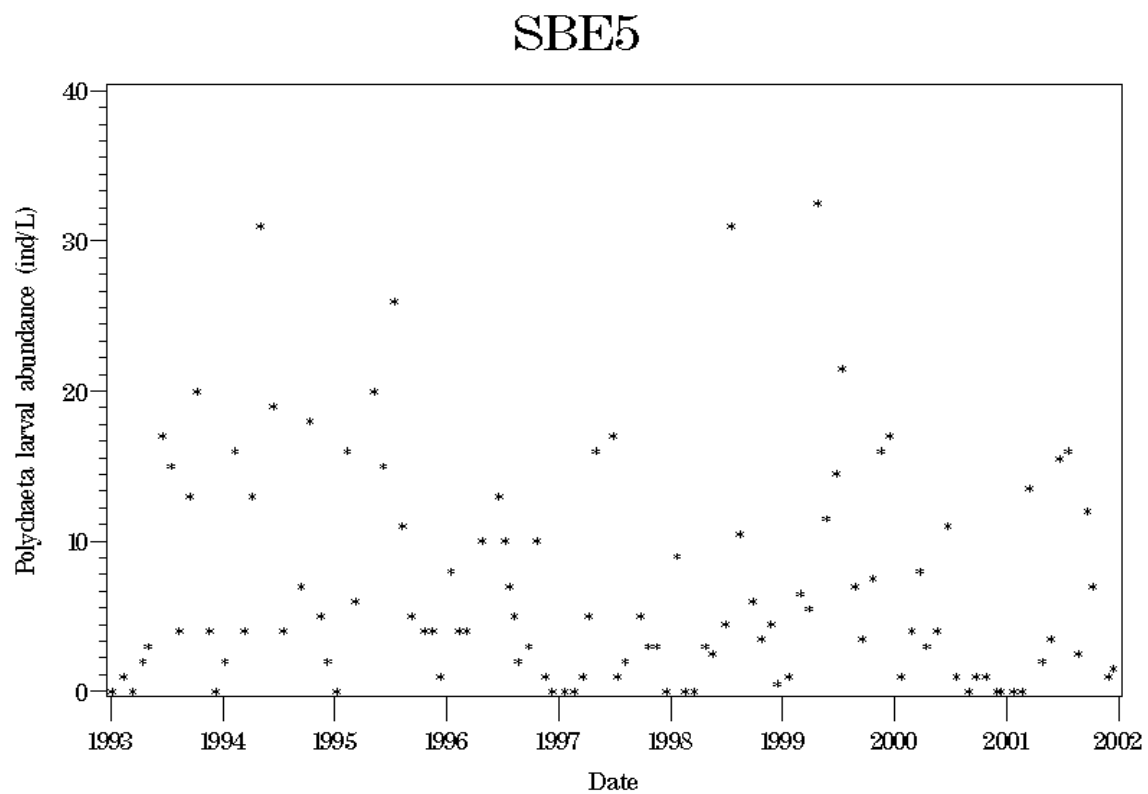


Figure L32. Plot of polychaete larval abundance against time at station SBE5 for the period of 1993 through 2001.

TF4.2

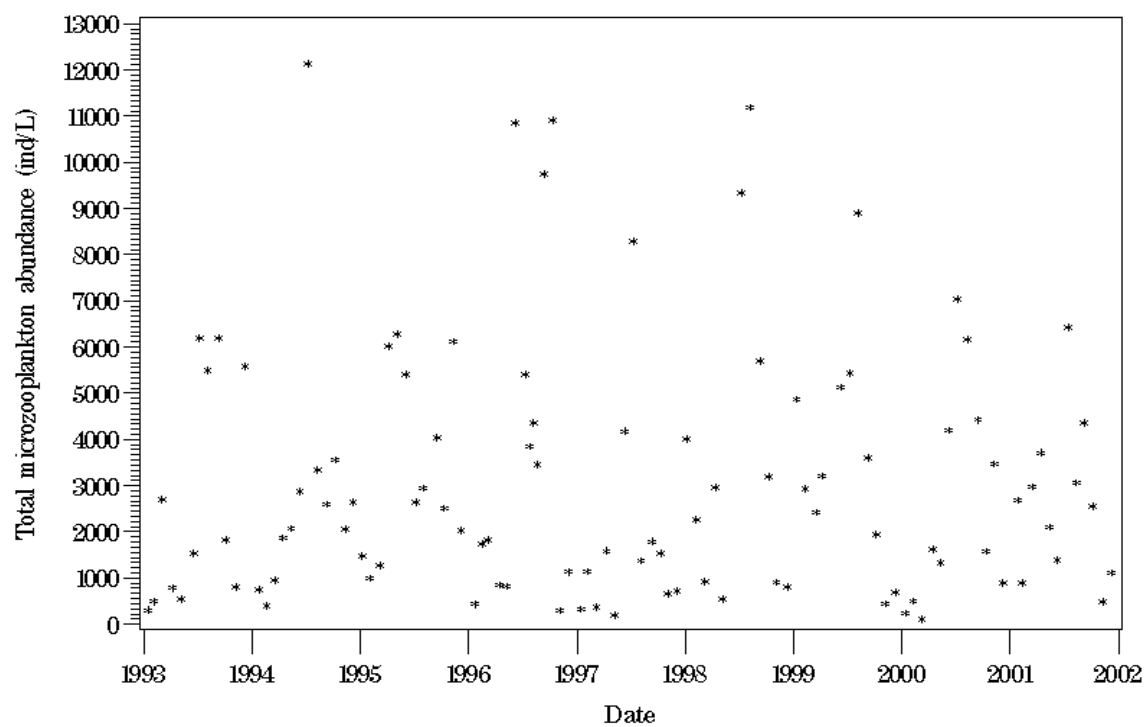


Figure L33. Plot of total microzooplankton abundance against time at station TF4.2 for the period of 1993 through 2001.

TF4.2

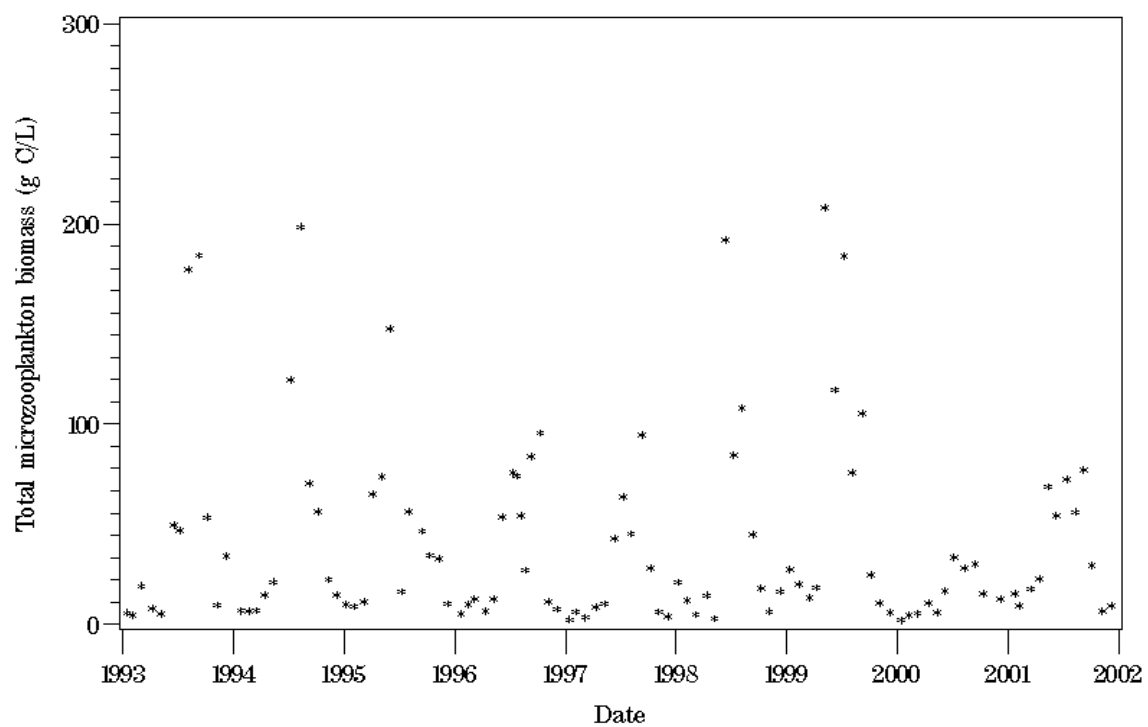


Figure L34. Plot of total microzooplankton biomass against time at station TF4.2 for the period of 1993 through 2001.

TF4.2

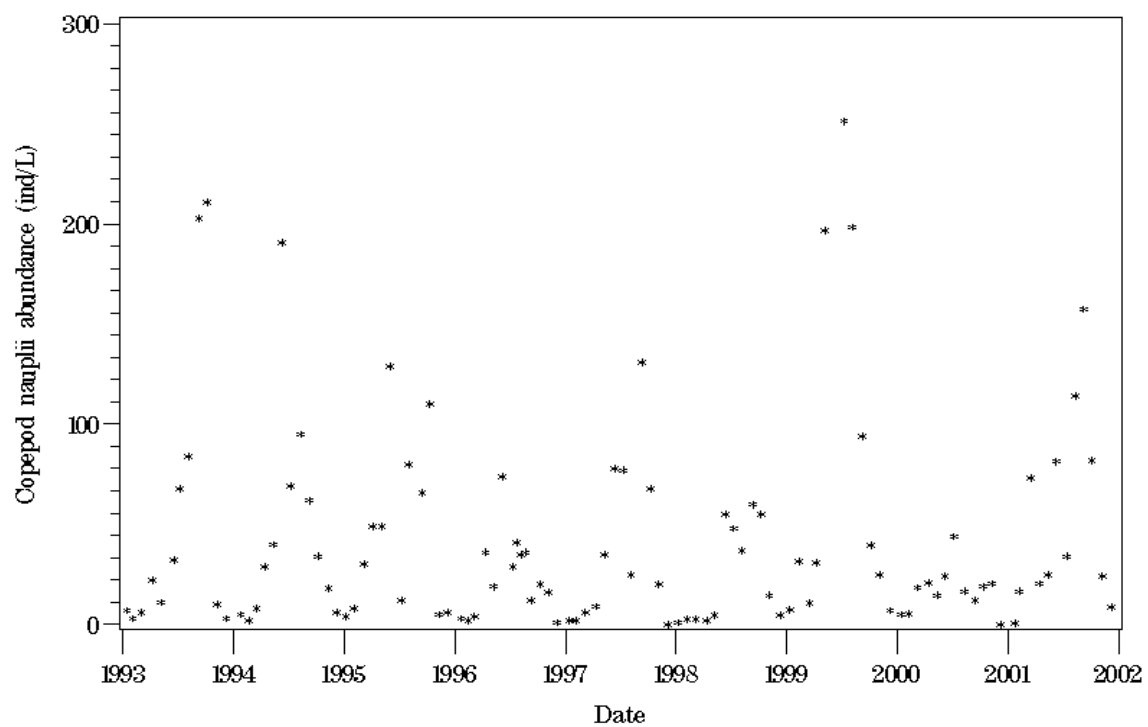


Figure L35. Plot of copepod nauplii abundance against time at station TF4.2 for the period of 1993 through 2001.

TF4.2

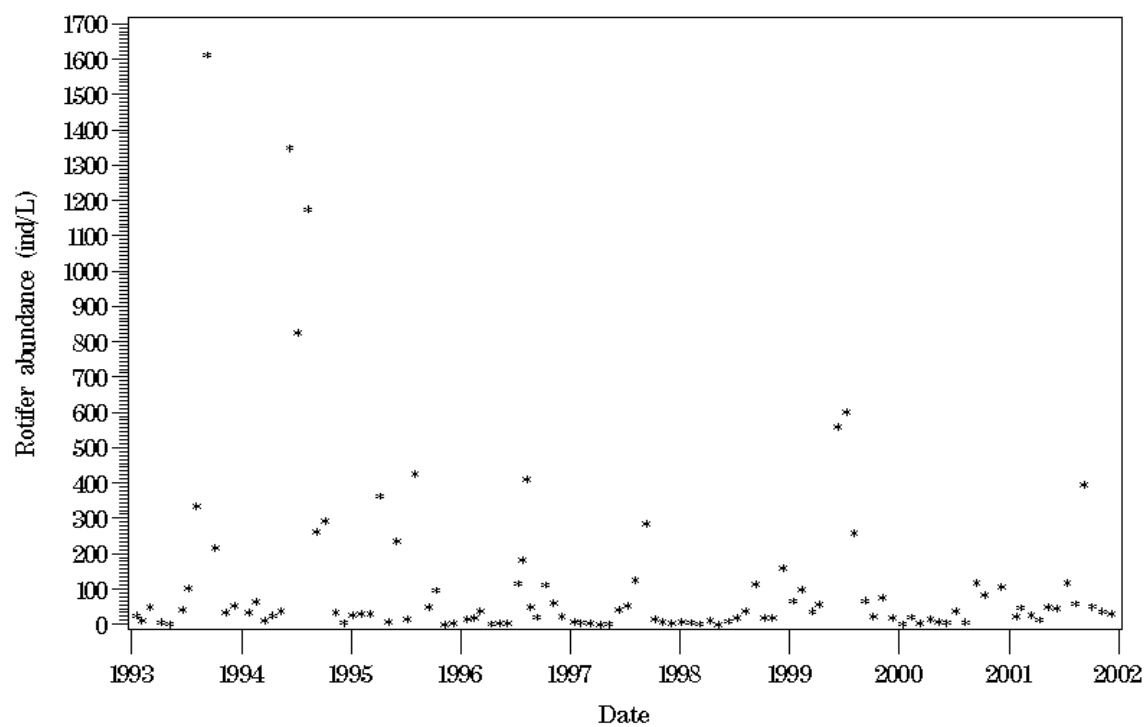


Figure L36. Plot of rotifer abundance against time at station TF4.2 for the period of 1993 through 2001.

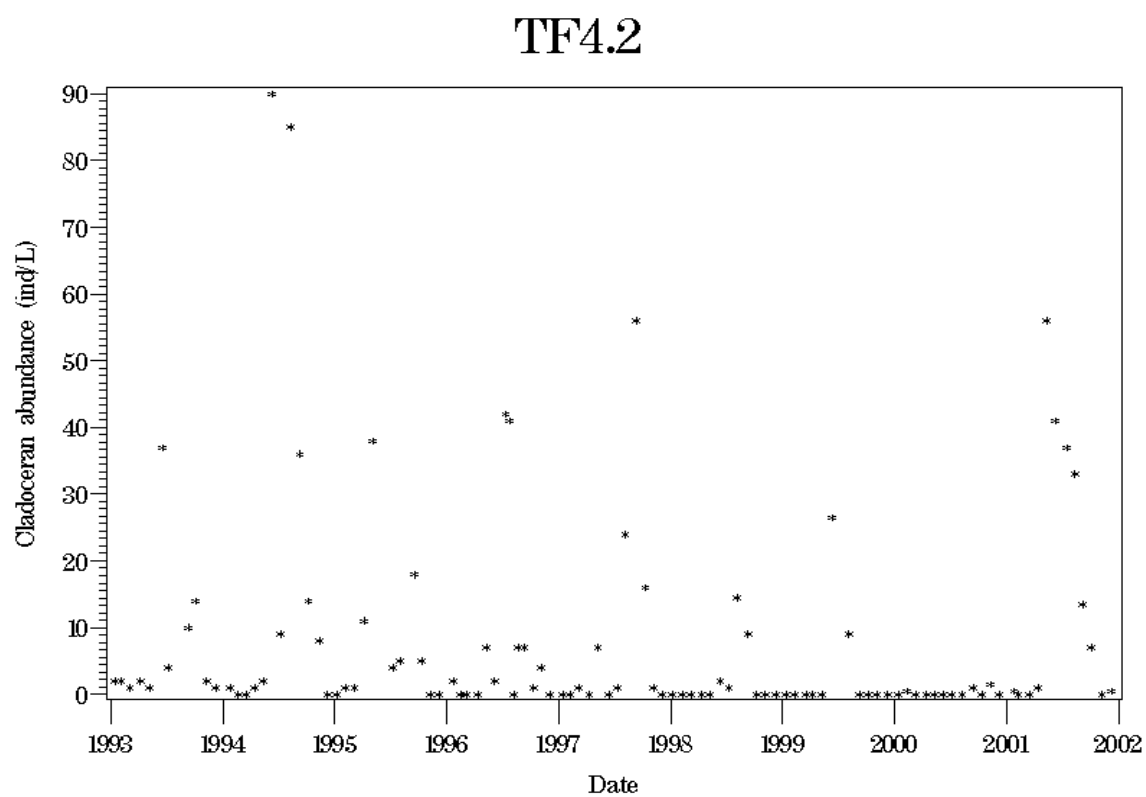


Figure L37. Plot of cladoceran abundance against time at station TF4.2 for the period of 1993 through 2001.

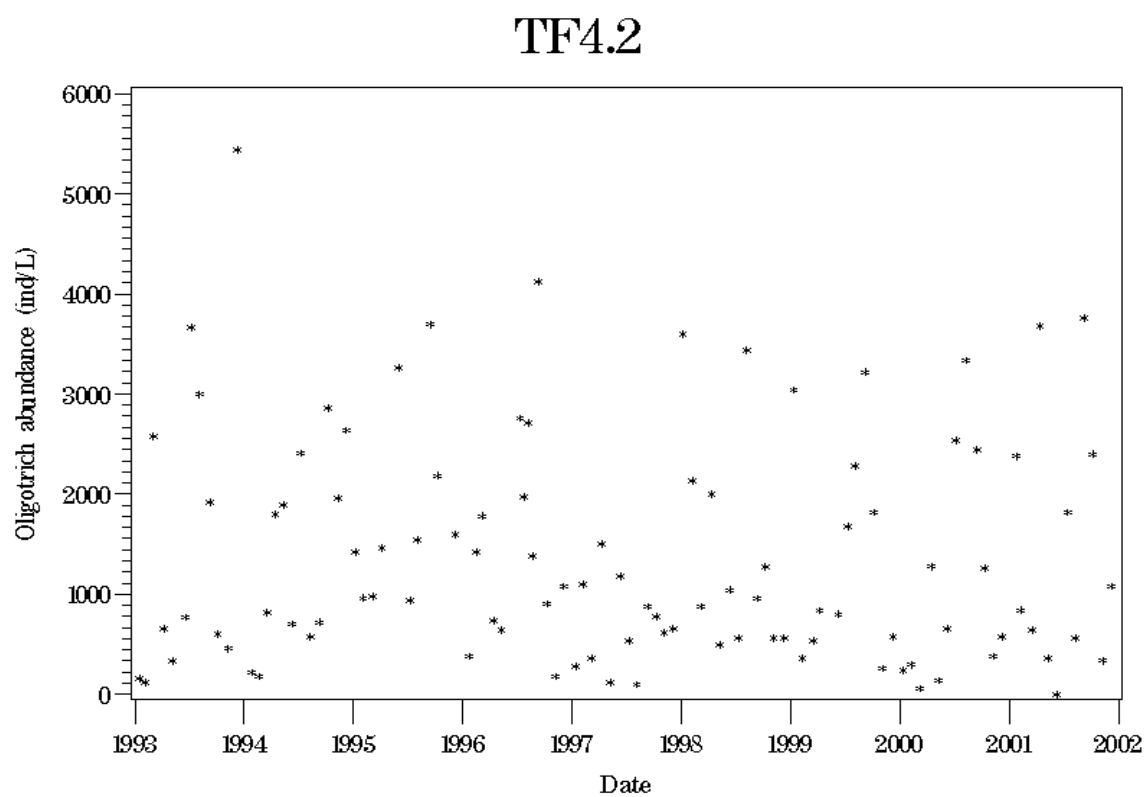


Figure L38. Plot of oligotrich abundance against time at station TF4.2 for the period of 1993 through 2001.

TF4.2

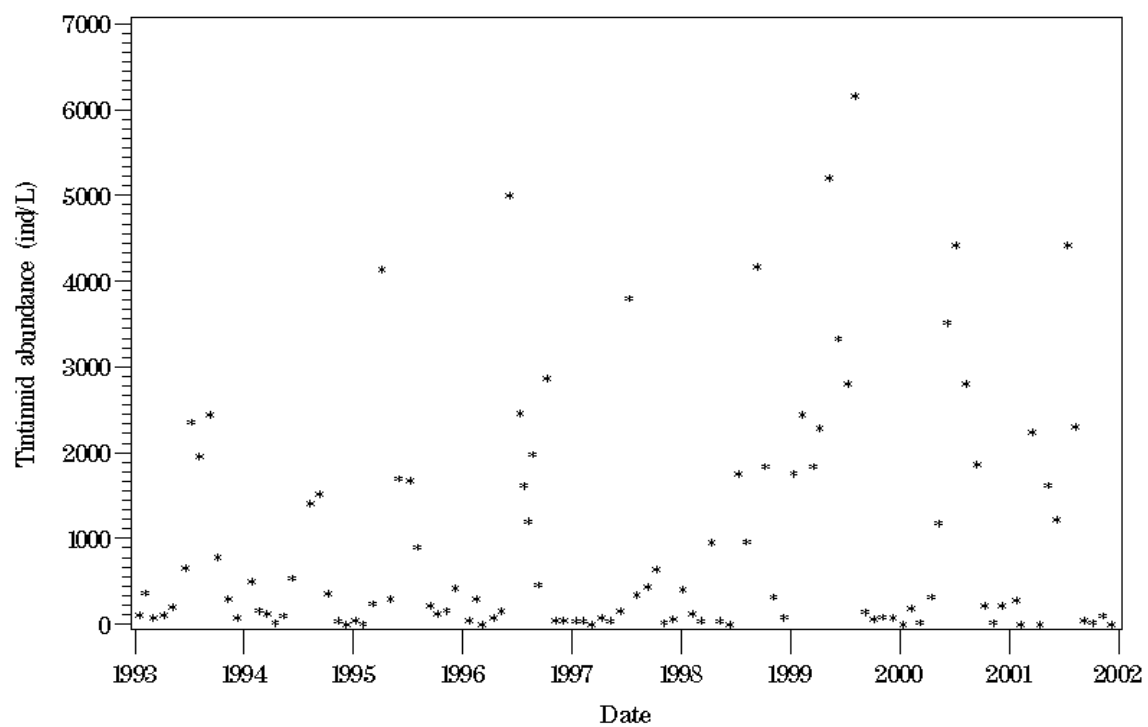


Figure L39. Plot of tintinnid abundance against time at station TF4.2 for the period of 1993 through 2001.

Polychaeta larval abundance (ind/L)

Date

Date	Polychaeta larval abundance (ind/L)
1993-01-01	0.0
1993-02-01	0.0
1993-03-01	0.0
1993-04-01	1.0
1993-05-01	1.0
1993-06-01	1.0
1993-07-01	1.0
1993-08-01	0.0
1993-09-01	0.0
1993-10-01	0.0
1993-11-01	0.0
1993-12-01	0.0
1994-01-01	0.0
1994-02-01	0.0
1994-03-01	0.0
1994-04-01	1.0
1994-05-01	0.0
1994-06-01	0.0
1994-07-01	0.0
1994-08-01	0.0
1994-09-01	0.0
1994-10-01	0.0
1994-11-01	0.0
1994-12-01	0.0
1995-01-01	0.0
1995-02-01	0.0
1995-03-01	0.0
1995-04-01	0.0
1995-05-01	0.0
1995-06-01	0.0
1995-07-01	0.0
1995-08-01	0.0
1995-09-01	0.0
1995-10-01	0.0
1995-11-01	0.0
1995-12-01	0.0
1996-01-01	0.0
1996-02-01	0.0
1996-03-01	0.0
1996-04-01	1.0
1996-05-01	0.0
1996-06-01	0.0
1996-07-01	0.0
1996-08-01	0.0
1996-09-01	0.0
1996-10-01	0.0
1996-11-01	0.0
1996-12-01	0.0
1997-01-01	0.0
1997-02-01	0.0
1997-03-01	0.0
1997-04-01	0.0
1997-05-01	0.0
1997-06-01	0.0
1997-07-01	0.0
1997-08-01	0.0
1997-09-01	0.0
1997-10-01	0.0
1997-11-01	0.0
1997-12-01	0.0
1998-01-01	0.0
1998-02-01	0.0
1998-03-01	0.0
1998-04-01	0.0
1998-05-01	0.0
1998-06-01	0.0
1998-07-01	0.0
1998-08-01	0.0
1998-09-01	0.0
1998-10-01	0.0
1998-11-01	0.0
1998-12-01	0.0
1999-01-01	0.0
1999-02-01	0.0
1999-03-01	0.0
1999-04-01	0.0
1999-05-01	0.0
1999-06-01	0.0
1999-07-01	0.0
1999-08-01	0.0
1999-09-01	0.0
1999-10-01	0.0
1999-11-01	0.0
1999-12-01	0.0
2000-01-01	0.0
2000-02-01	0.0
2000-03-01	0.0
2000-04-01	0.0
2000-05-01	0.0
2000-06-01	0.0
2000-07-01	0.0
2000-08-01	0.0
2000-09-01	0.0
2000-10-01	0.0
2000-11-01	0.0
2000-12-01	0.0
2001-01-01	0.0
2001-02-01	0.0
2001-03-01	0.0
2001-04-01	0.0
2001-05-01	0.0
2001-06-01	0.0
2001-07-01	0.0
2001-08-01	0.0
2001-09-01	0.0
2001-10-01	0.0
2001-11-01	0.0
2001-12-01	0.0
2002-01-01	0.0

L-40

RET4.3

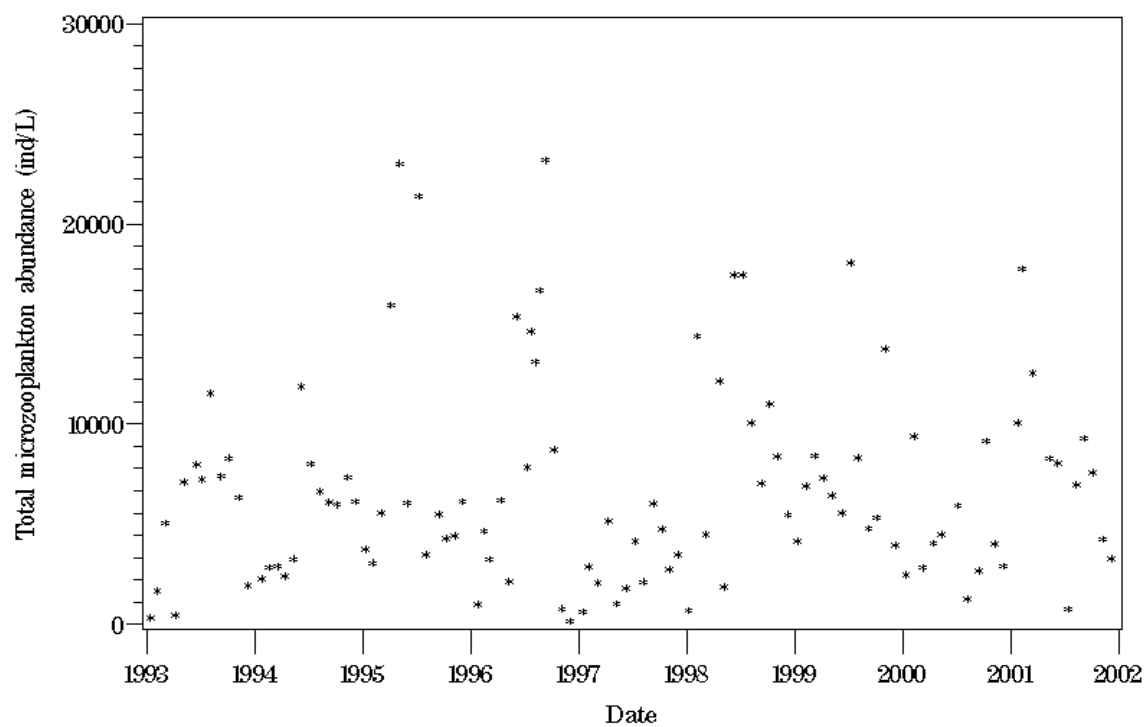


Figure L41. Plot of total microzooplankton abundance against time at station TF5.5 for the period of 1993 through 2001.

RET4.3

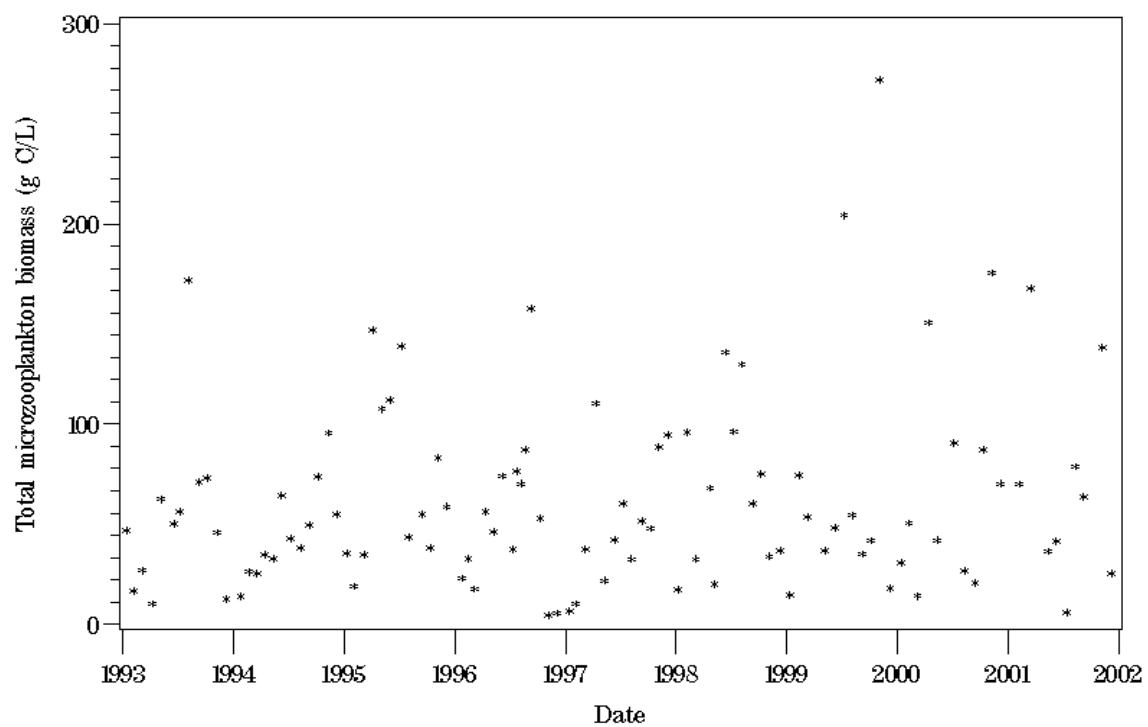


Figure L42. Plot of total microzooplankton biomass against time at station TF5.5 for the period of 1993 through 2001.

RET4.3

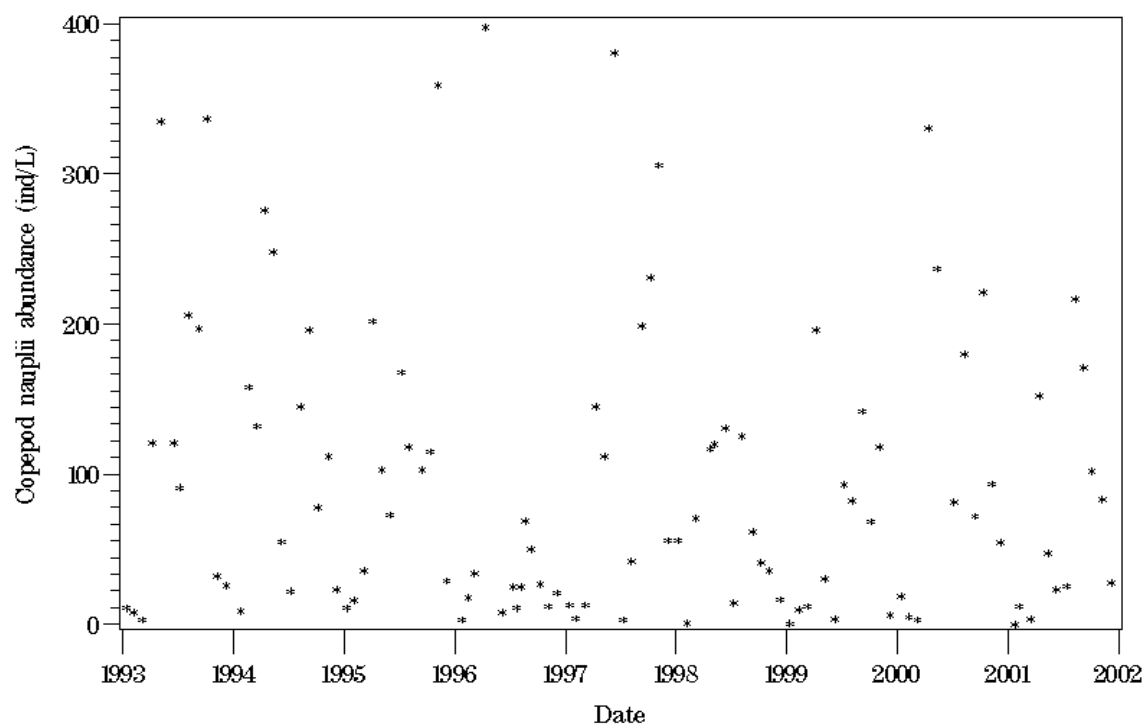


Figure L43. Plot of copepod nauplii abundance against time at station TF5.5 for the period of 1993 through 2001.

RET4.3

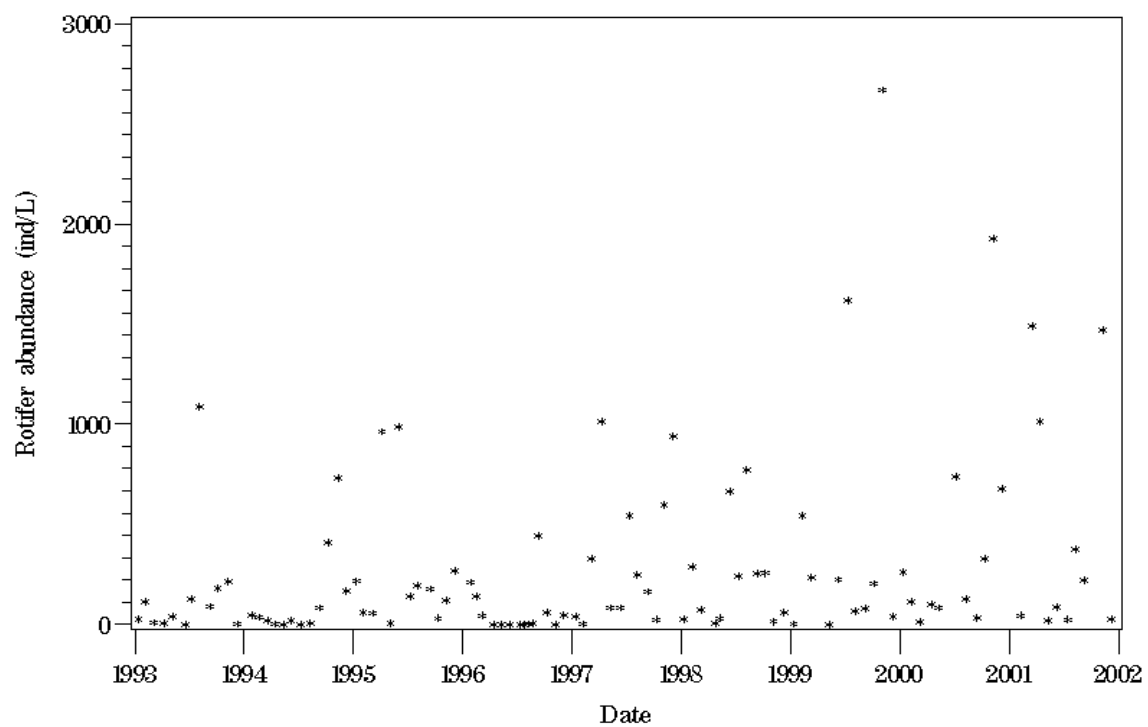


Figure L44. Plot of rotifer abundance against time at station TF5.5 for the period of 1993 through 2001.

RET4.3

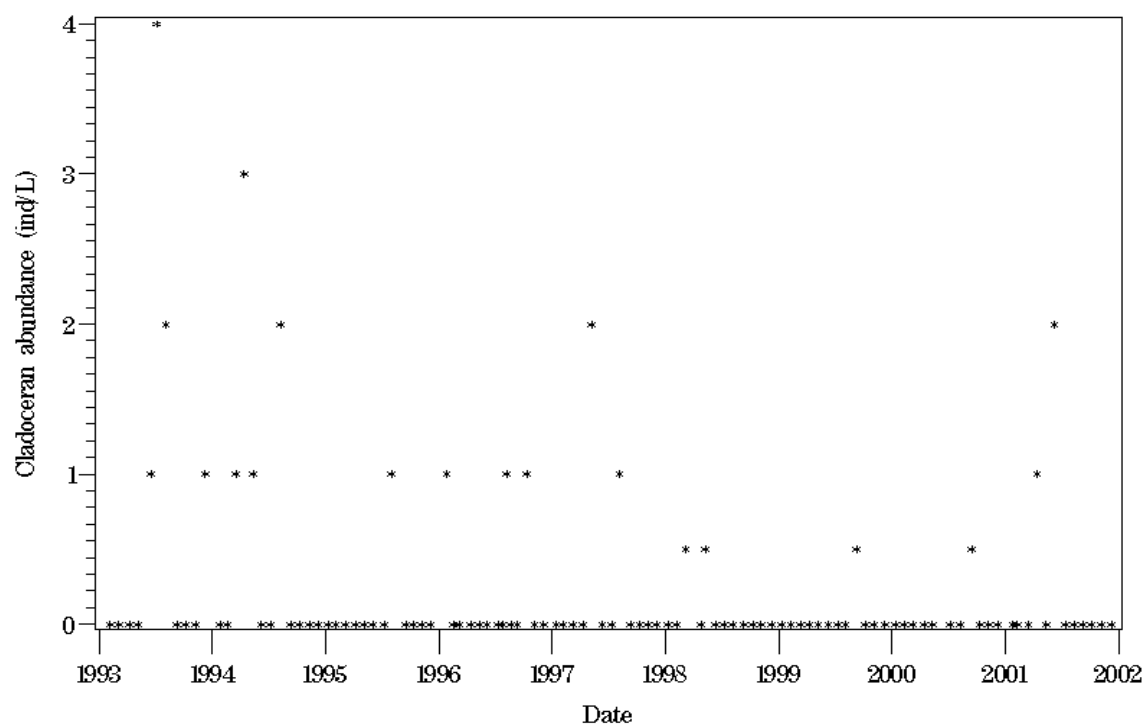


Figure L45. Plot of cladoceran abundance against time at station TF5.5 for the period of 1993 through 2001.

RET4.3

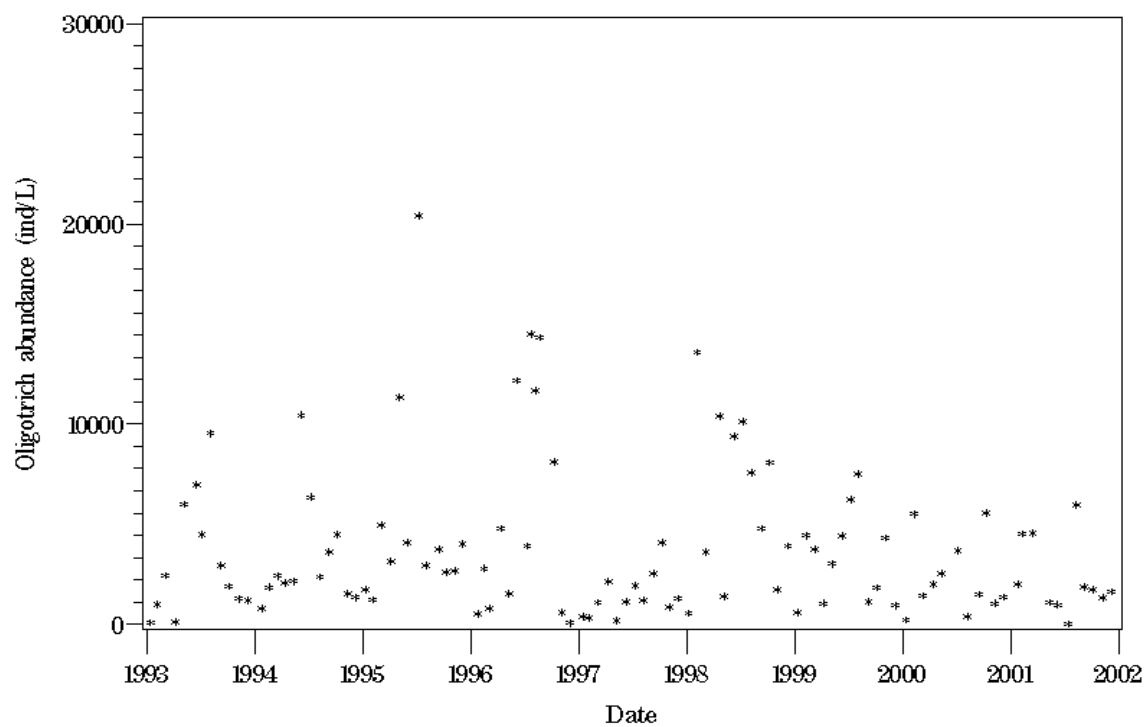


Figure L46. Plot of oligotrich abundance against time at station TF5.5 for the period of 1993 through 2001.

RET4.3

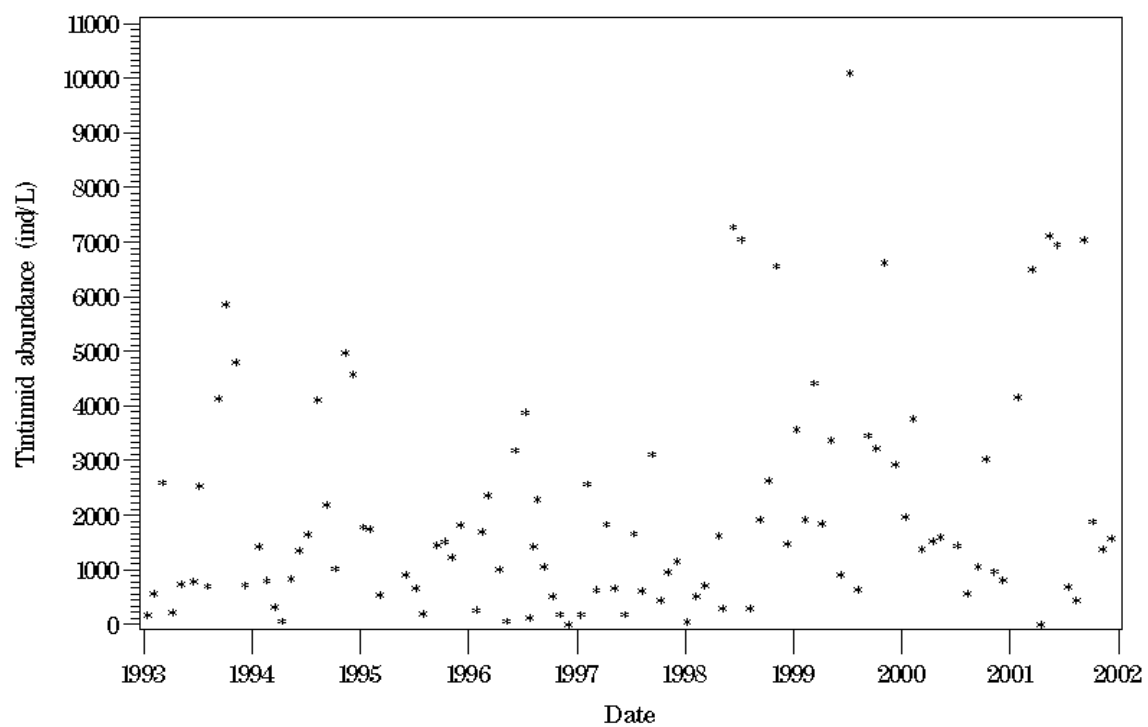


Figure L47. Plot of tintinnid abundance against time at station TF5.5 for the period of 1993 through 2001.

RET4.3

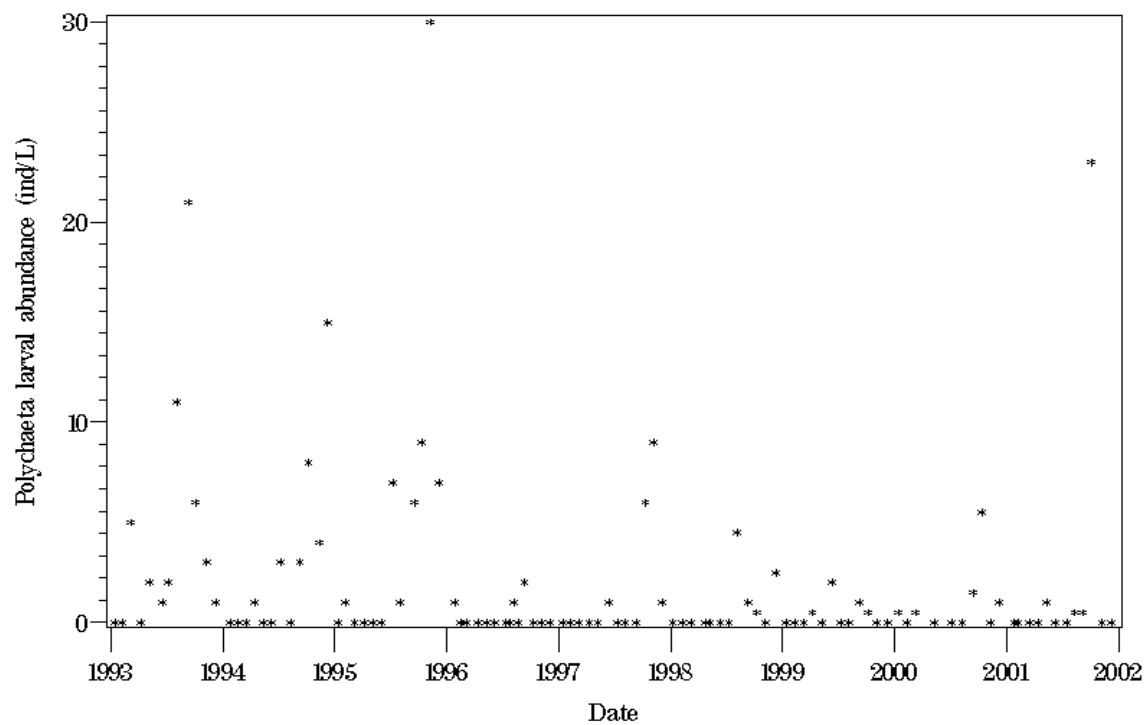


Figure L48. Plot of polychaete larval abundance against time at station TF5.5 for the period of 1993 through 2001.

WE4.2

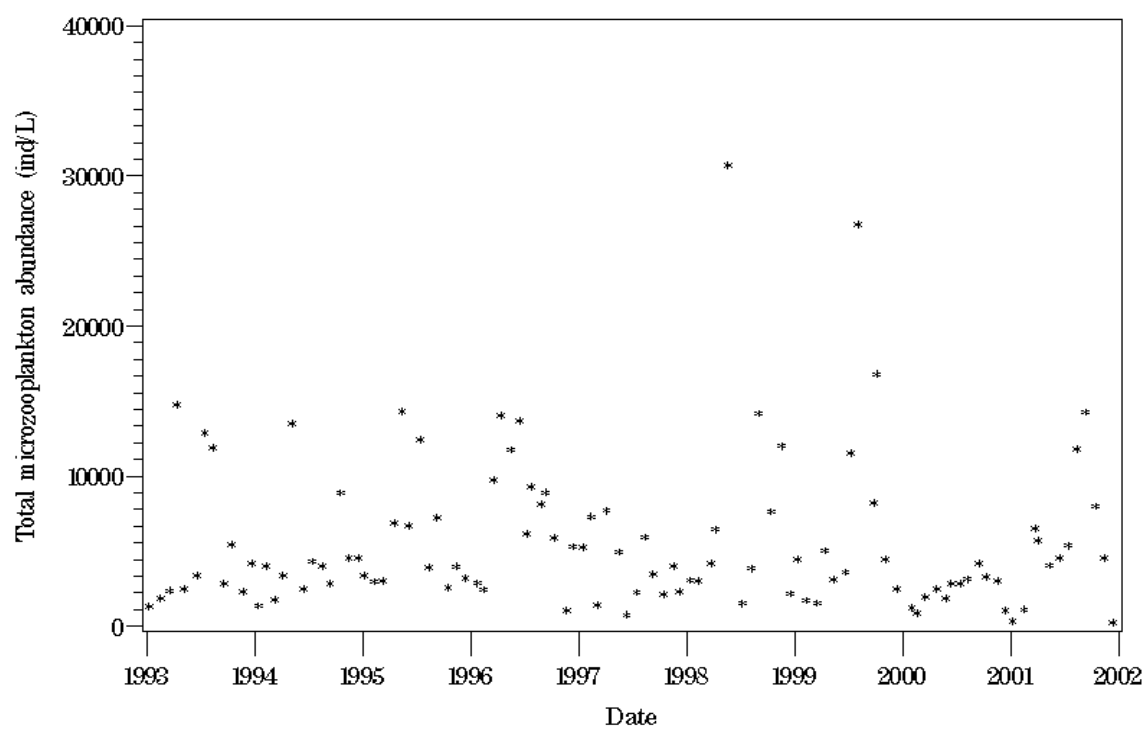


Figure L49. Plot of total microzooplankton abundance against time at station TF5.5 for the period of 1993 through 2001.

WE4.2

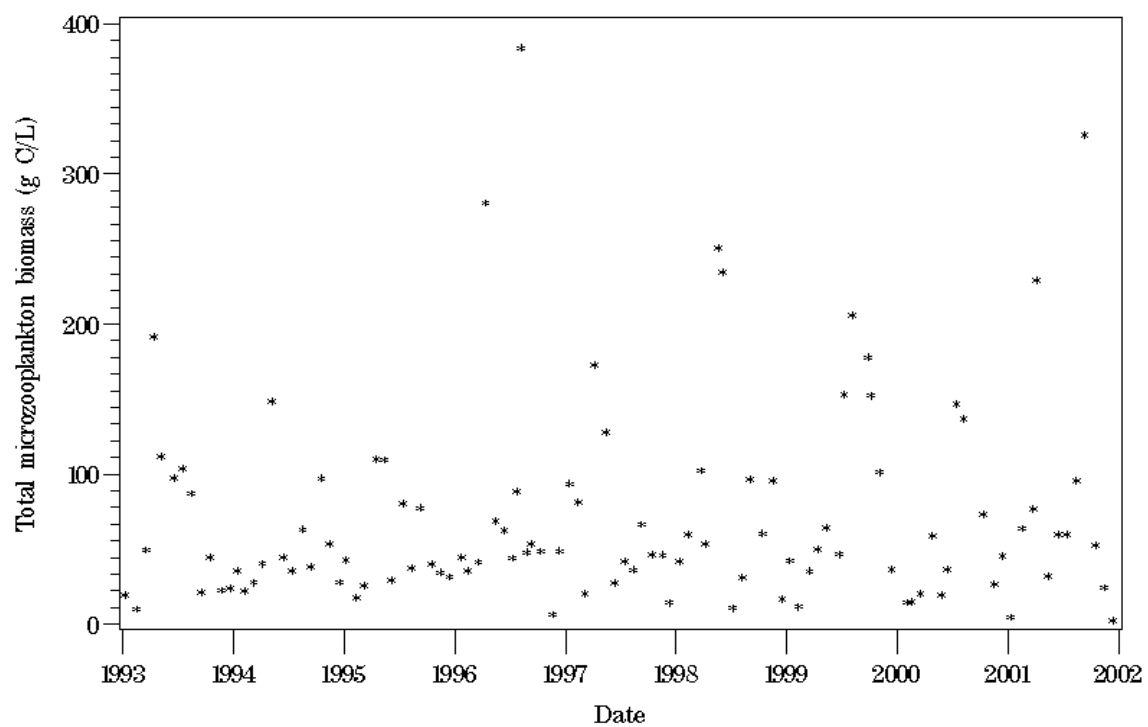


Figure L50. Plot of total microzooplankton biomass against time at station TF5.5 for the period of 1993 through 2001.

WE4.2

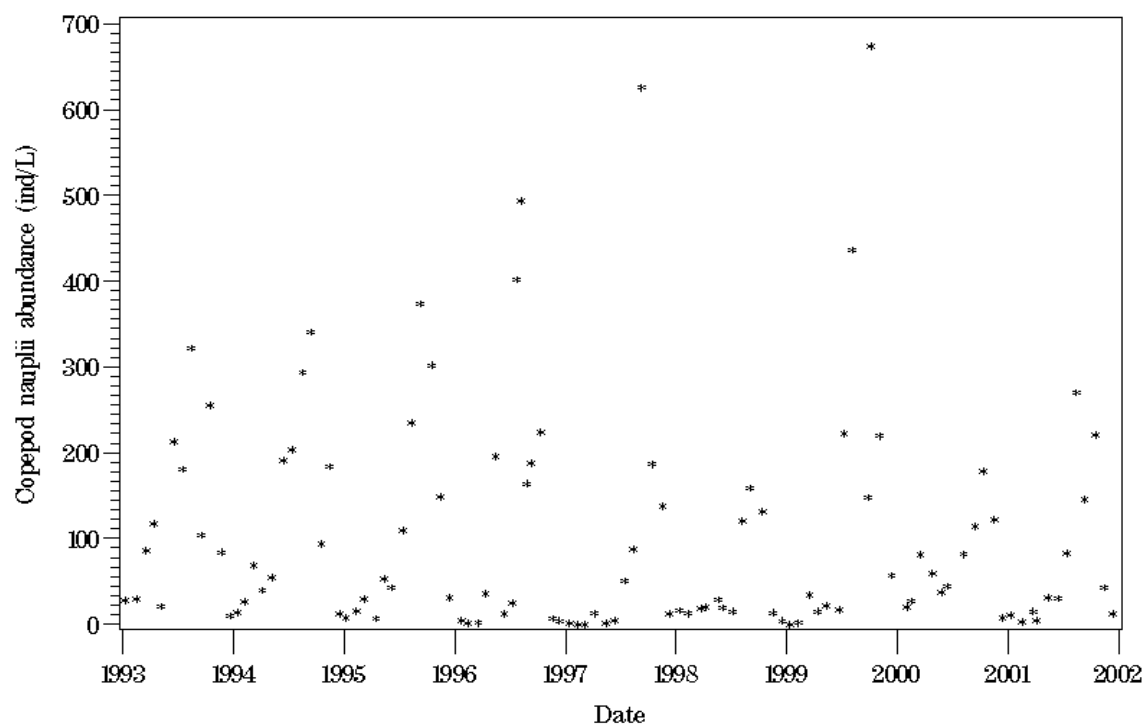


Figure L51. Plot of copepod nauplii abundance against time at station TF5.5 for the period of 1993 through 2001.

WE4.2

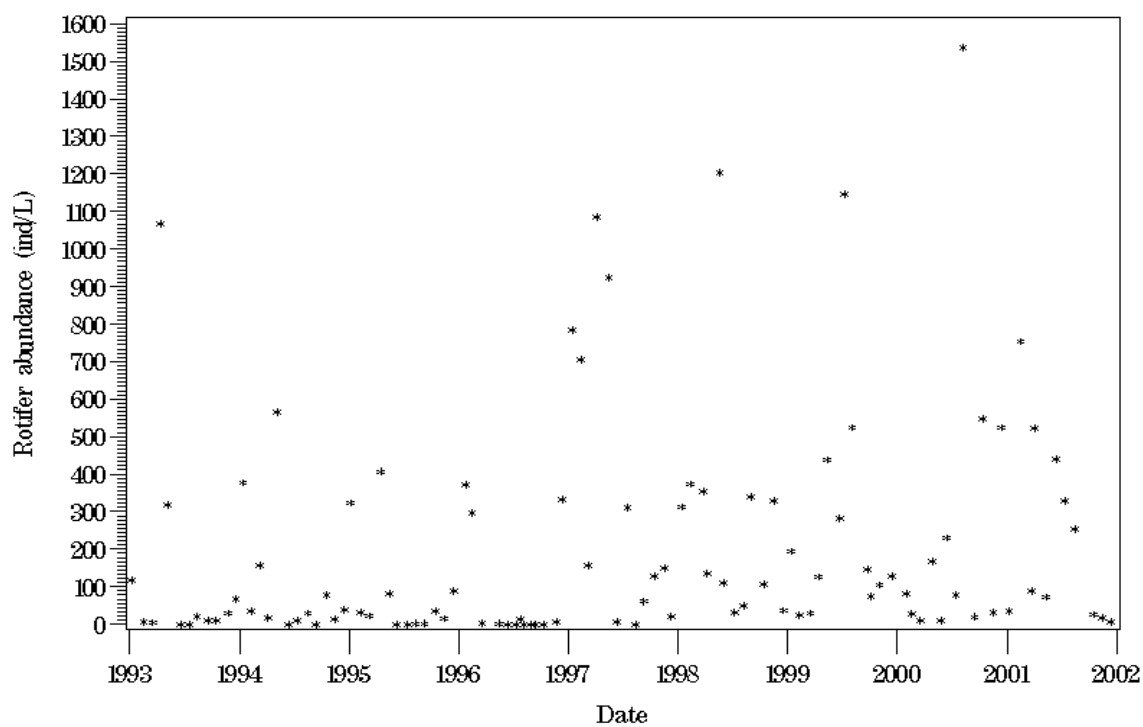


Figure L52. Plot of rotifer abundance against time at station TF5.5 for the period of 1993 through 2001.

WE4.2

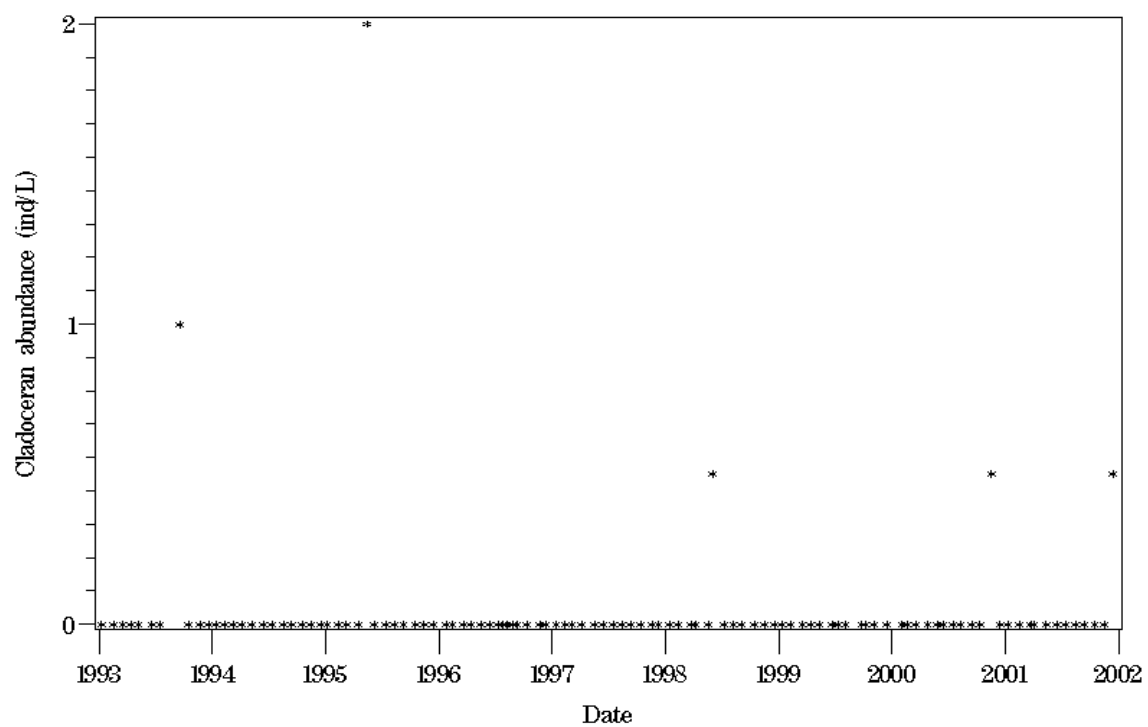


Figure L53. Plot of cladoceran abundance against time at station TF5.5 for the period of 1993 through 2001.

WE4.2

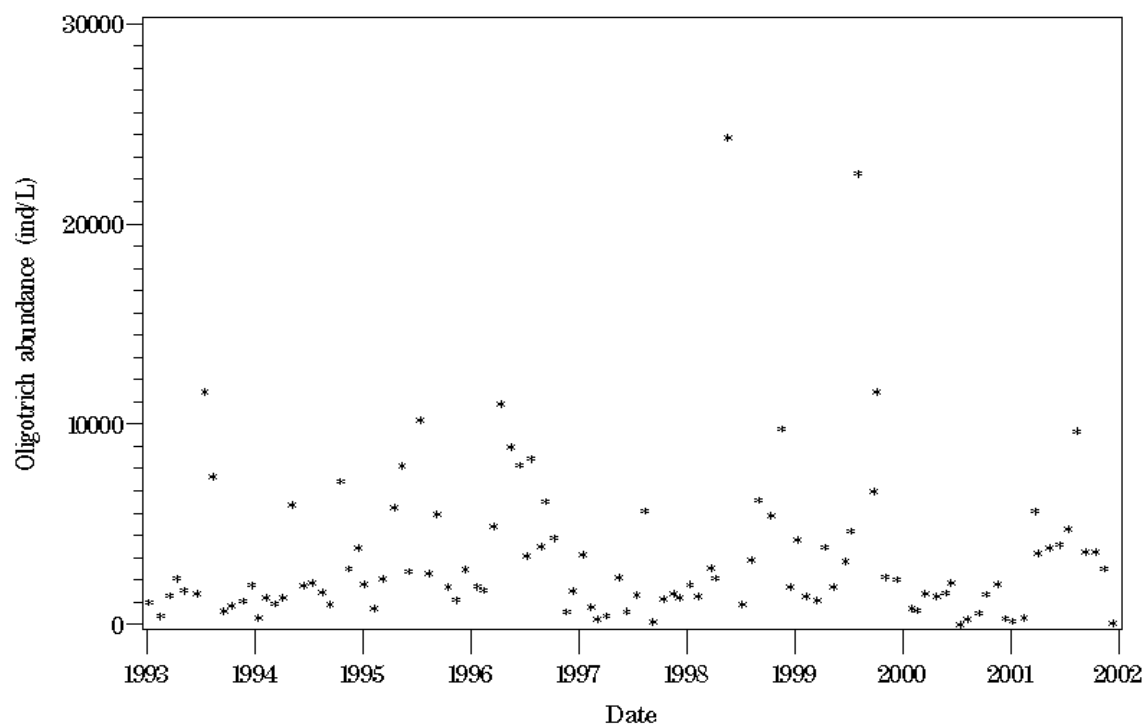


Figure L54. Plot of oligotrich abundance against time at station TF5.5 for the period of 1993 through 2001.

WE4.2

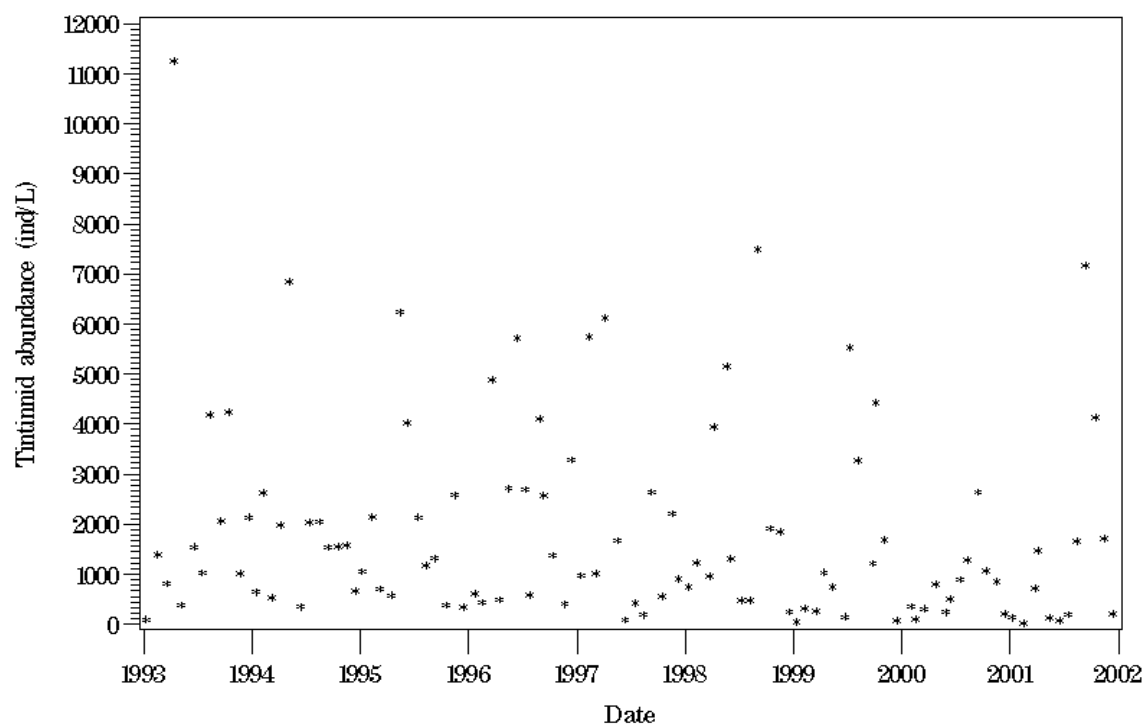


Figure L55. Plot of tintinnid abundance against time at station TF5.5 for the period of 1993 through 2001.

WE4.2

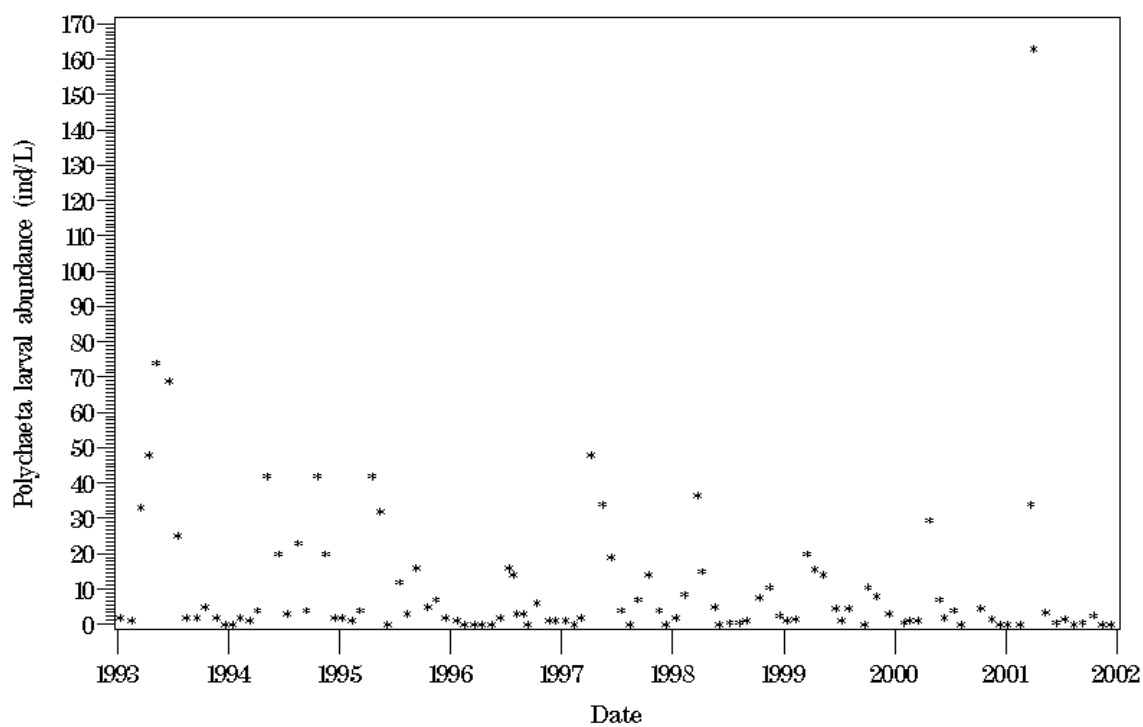


Figure L56. Plot of polychaete larval abundance against time at station TF5.5 for the period of 1993 through 2001.

TF3.3

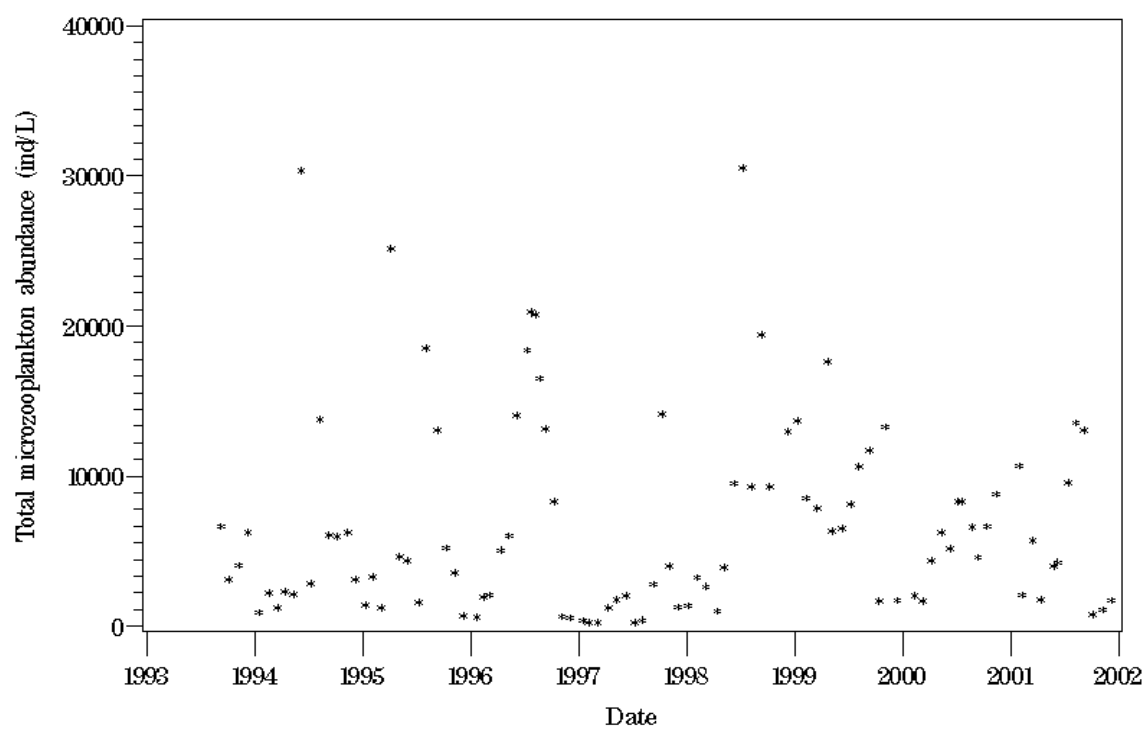


Figure L57. Plot of total microzooplankton abundance against time at station TF5.5 for the period of 1993 through 2001.

TF3.3

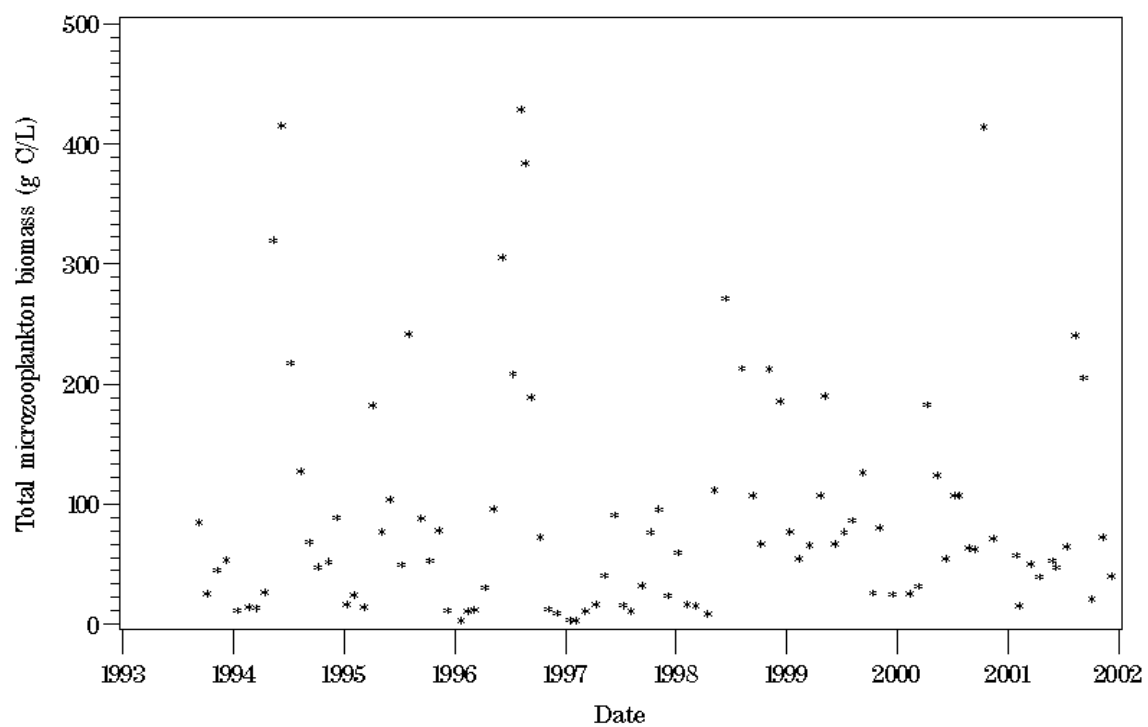


Figure L58. Plot of total microzooplankton biomass against time at station TF5.5 for the period of 1993 through 2001.

TF3.3

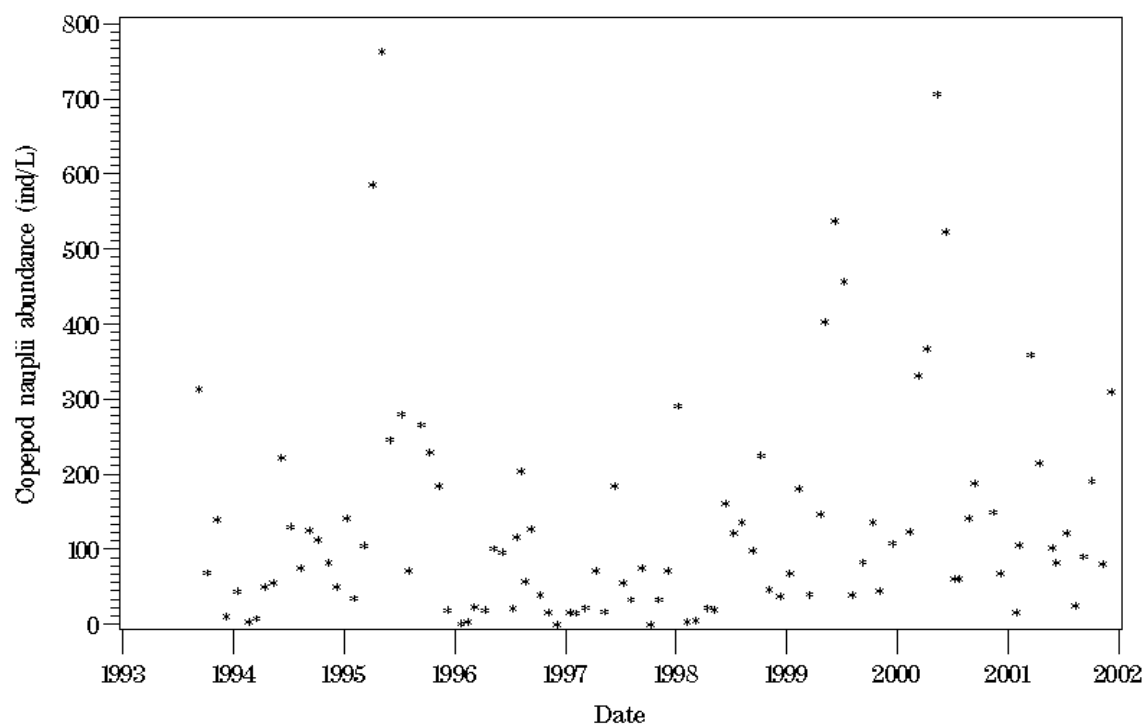


Figure L59. Plot of copepod nauplii abundance against time at station TF5.5 for the period of 1993 through 2001.

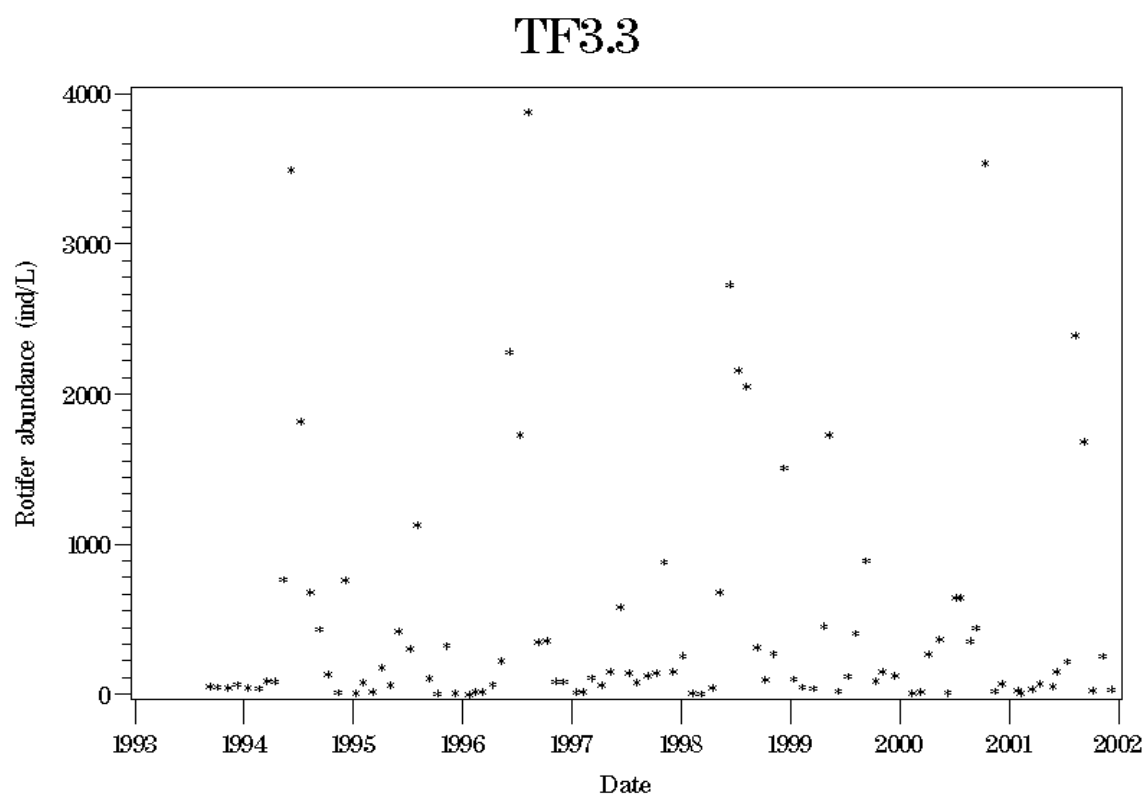


Figure L60. Plot of rotifer abundance against time at station TF5.5 for the period of 1993 through 2001.

TF3.3

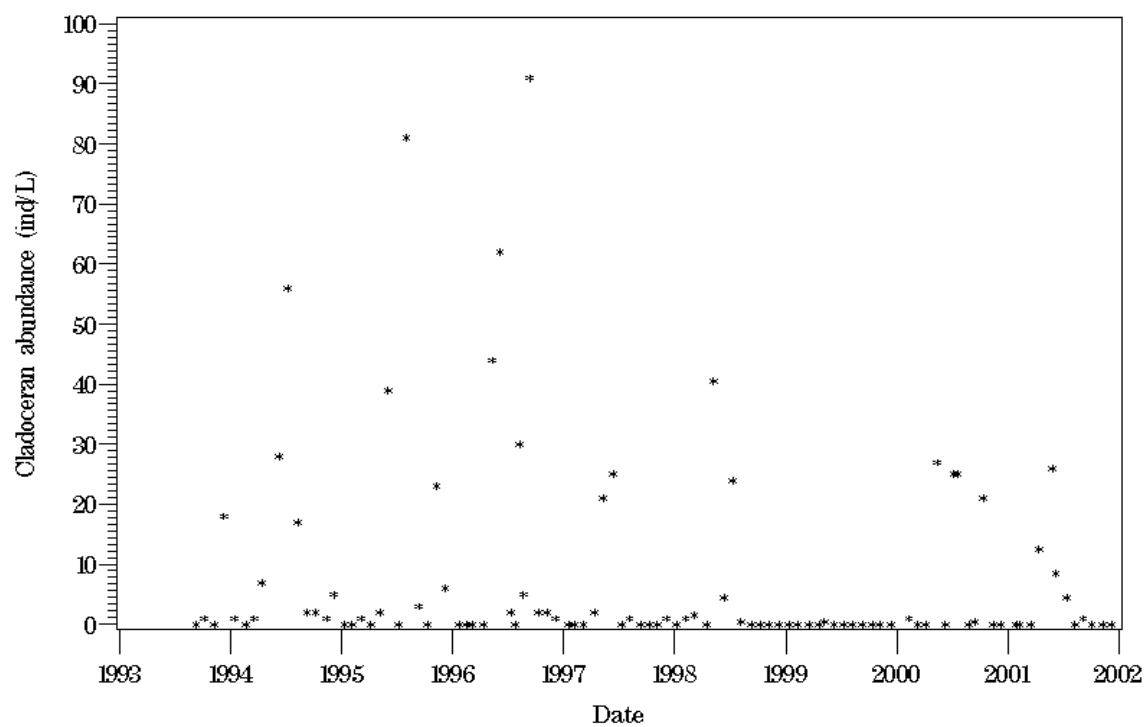


Figure L61. Plot of cladoceran abundance against time at station TF5.5 for the period of 1993 through 2001.

TF3.3

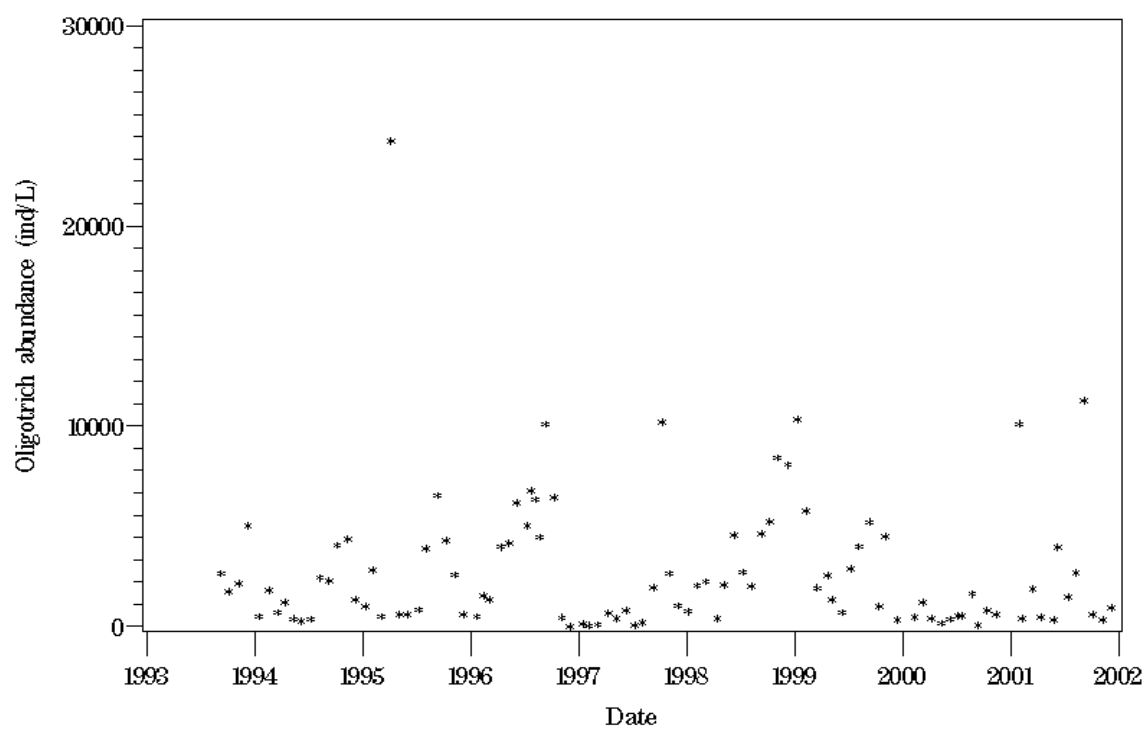


Figure L62. Plot of oligotrich abundance against time at station TF5.5 for the period of 1993 through 2001.

TF3.3

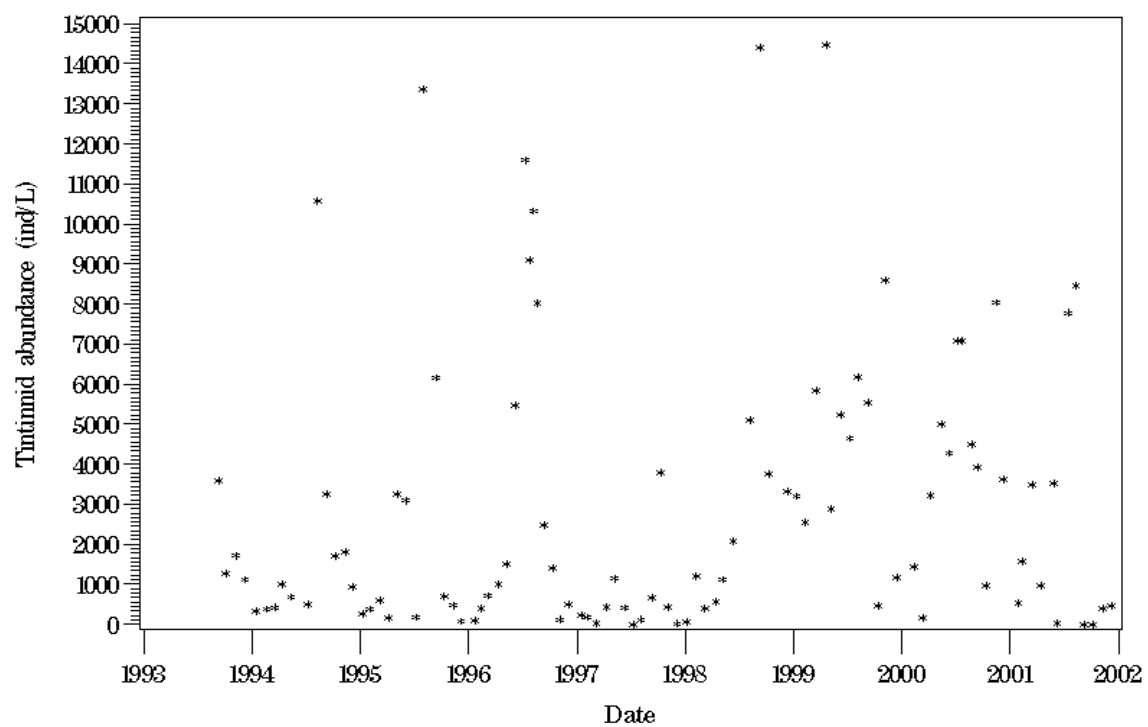


Figure L63. Plot of tintinnid abundance against time at station TF5.5 for the period of 1993 through 2001.

TF3.3

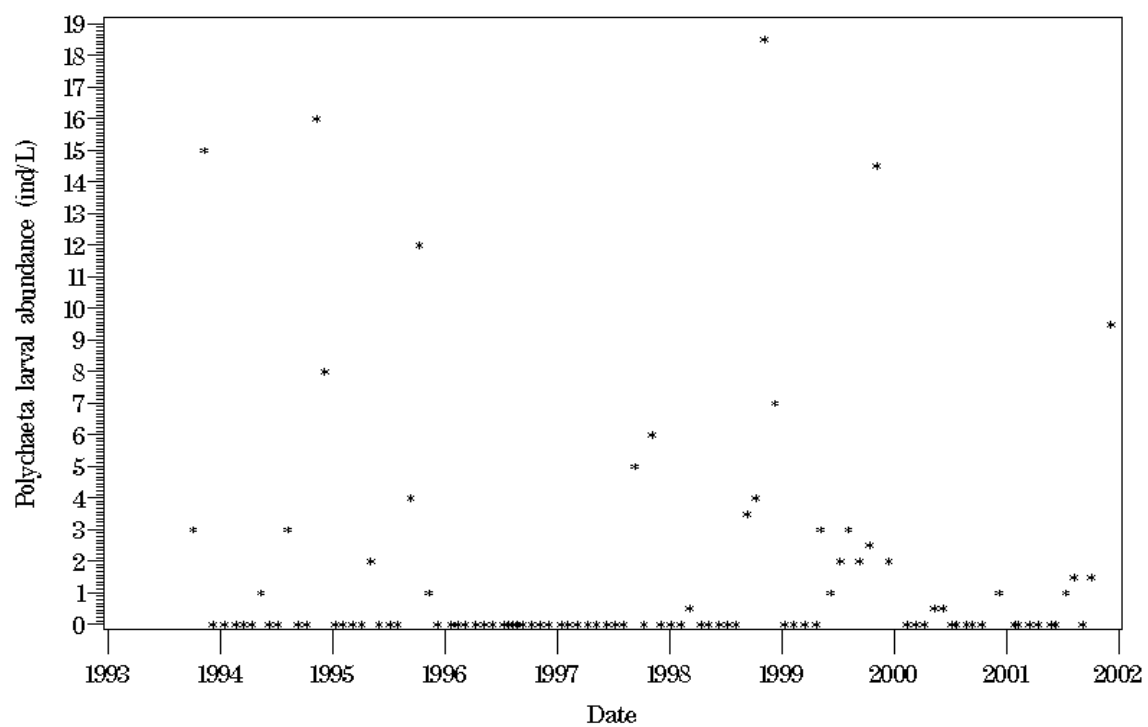


Figure L64. Plot of polychaete larval abundance against time at station TF5.5 for the period of 1993 through 2001.

RET3.1

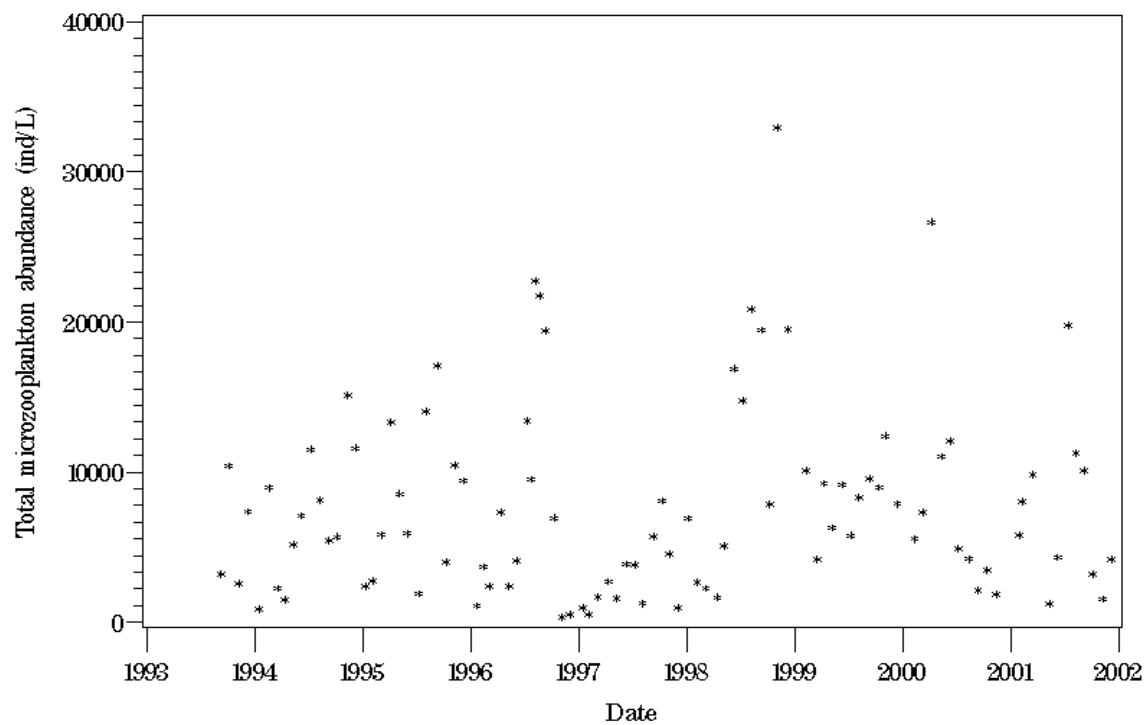


Figure L65. Plot of total microzooplankton abundance against time at station TF5.5 for the period of 1993 through 2001.

RET3.1

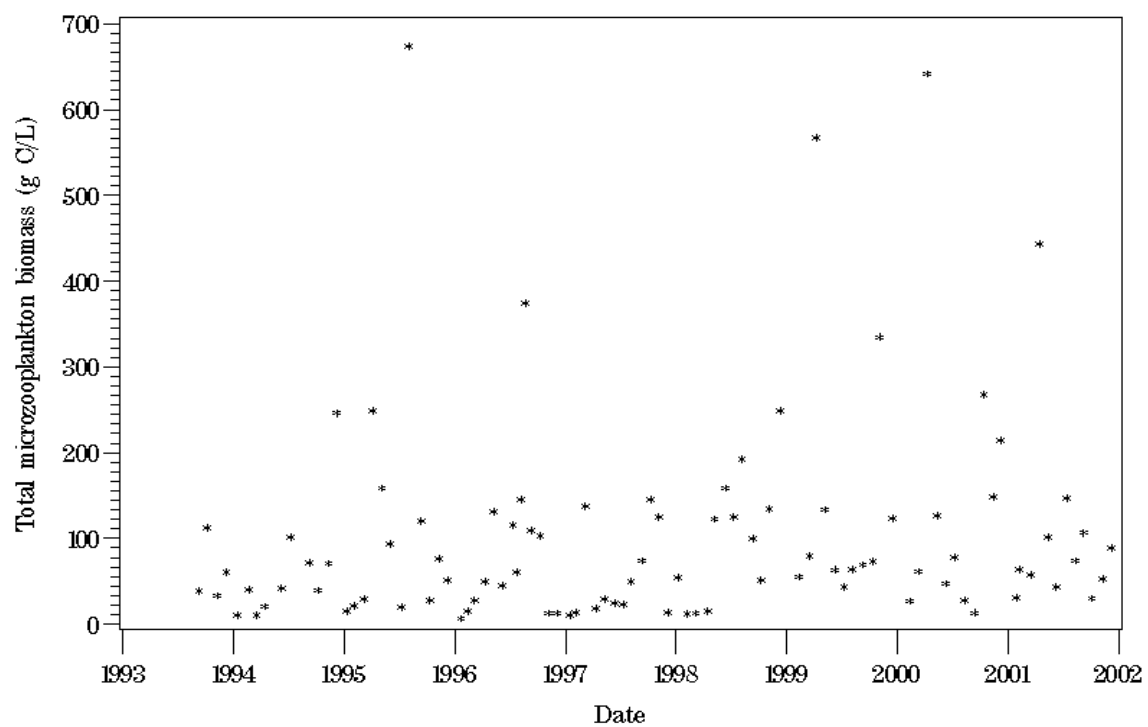


Figure L66. Plot of total microzooplankton biomass against time at station TF5.5 for the period of 1993 through 2001.

RET3.1

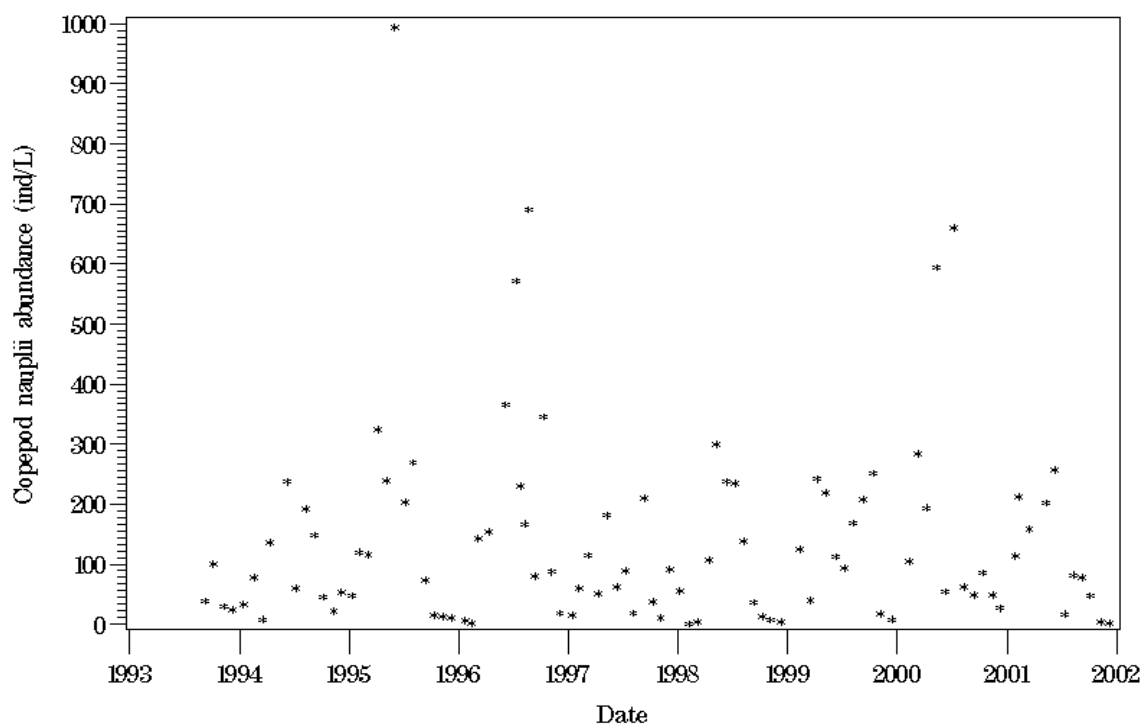


Figure L67. Plot of copepod nauplii abundance against time at station TF5.5 for the period of 1993 through 2001.

RET3.1

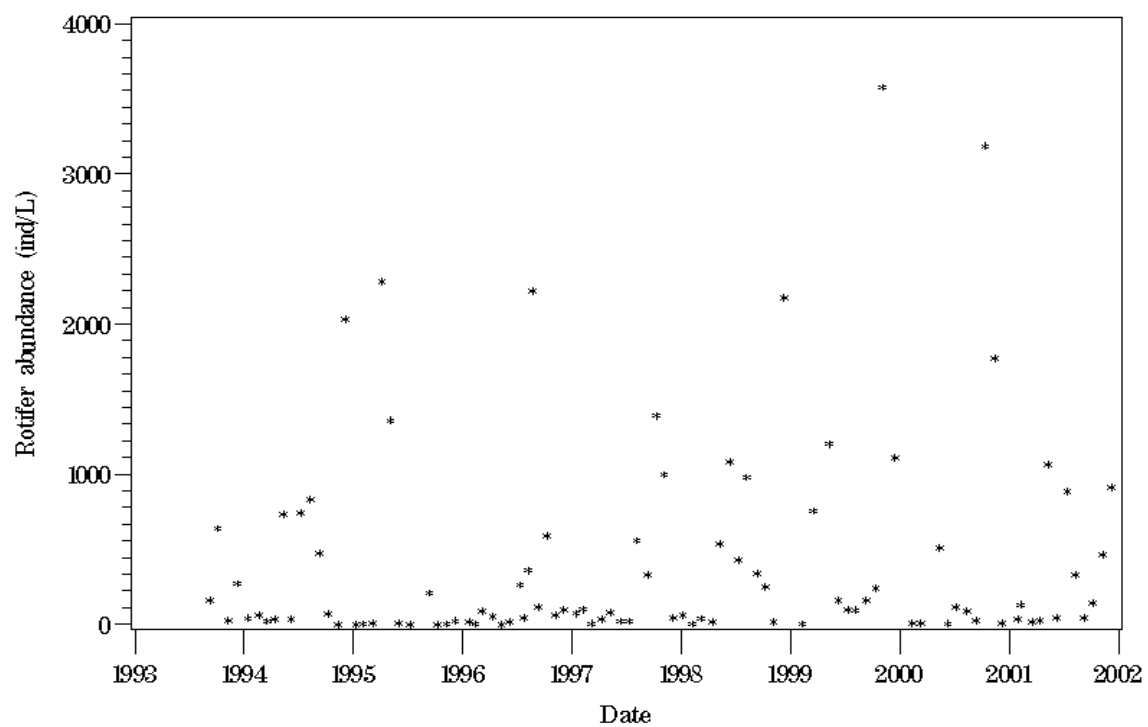


Figure L68. Plot of rotifer abundance against time at station TF5.5 for the period of 1993 through 2001.

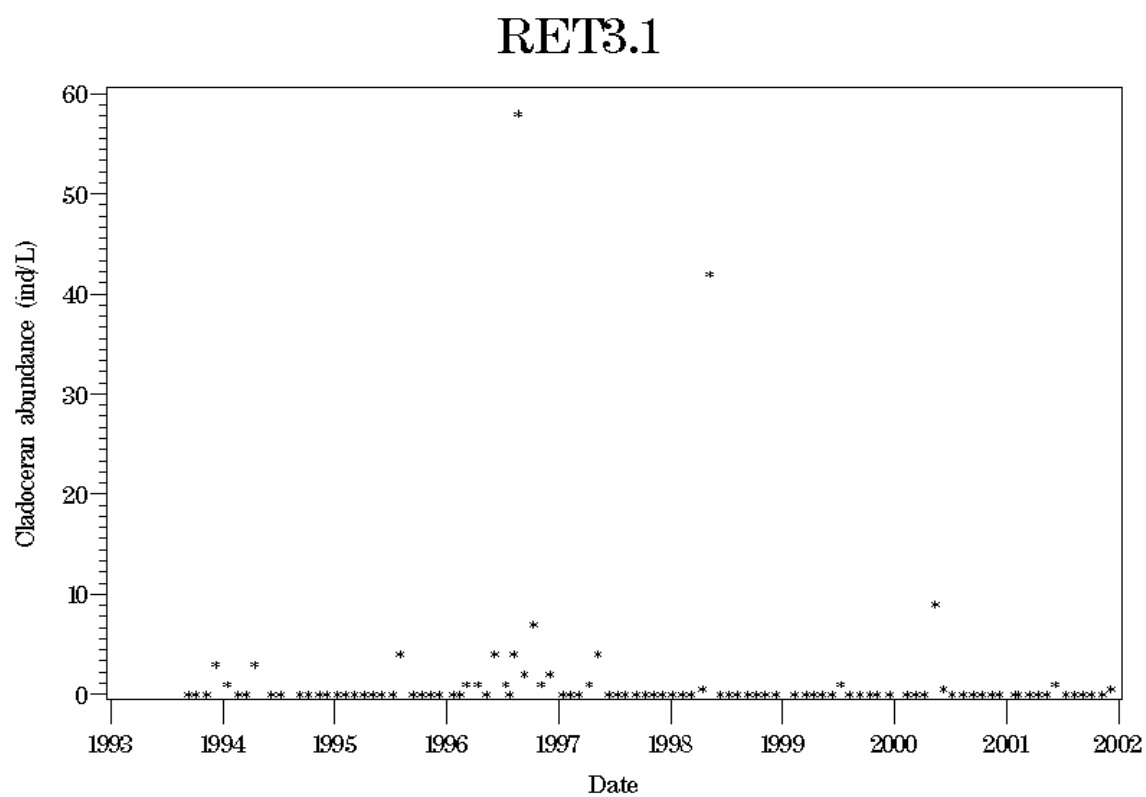


Figure L69. Plot of cladoceran abundance against time at station TF5.5 for the period of 1993 through 2001.

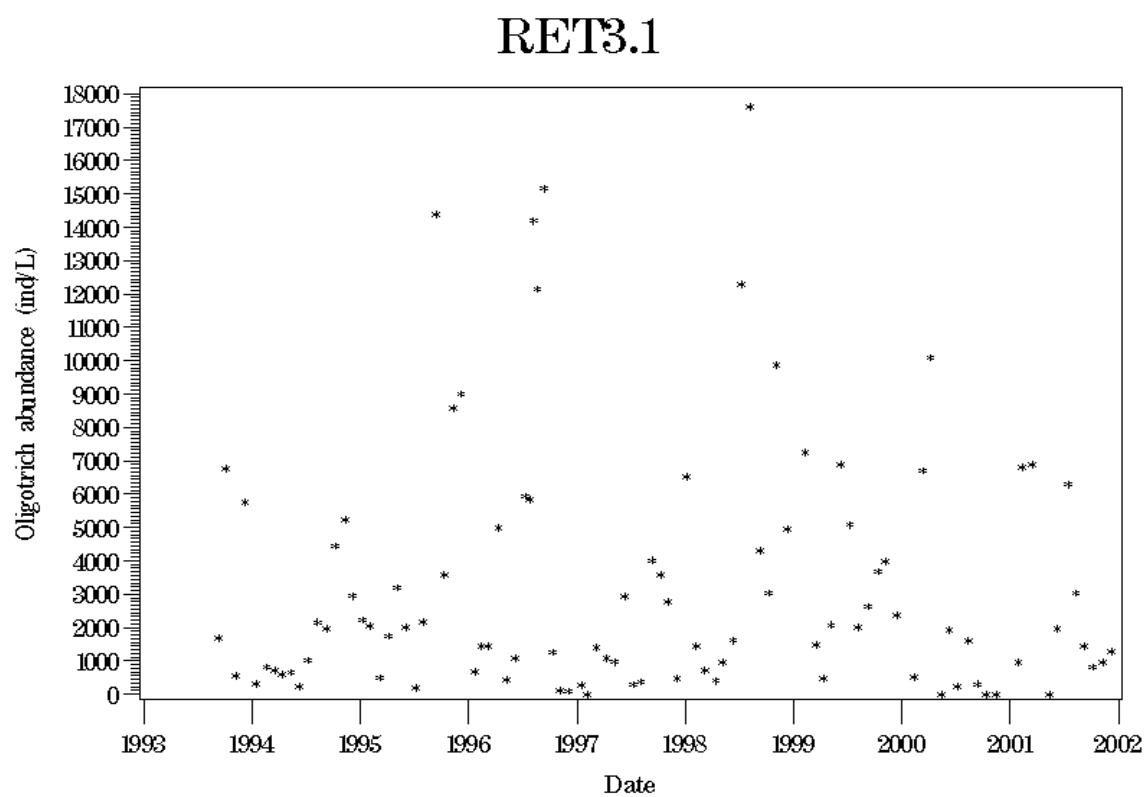


Figure L70. Plot of oligotrich abundance against time at station TF5.5 for the period of 1993 through 2001.

RET3.1

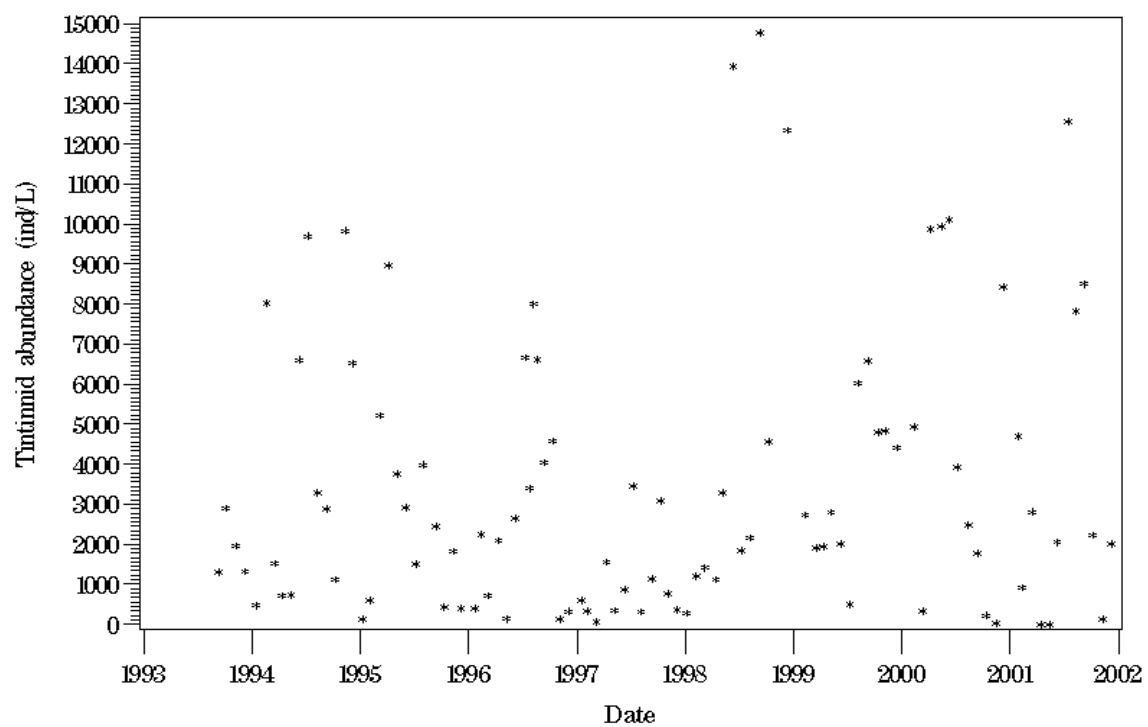


Figure L71. Plot of tintinnid abundance against time at station TF5.5 for the period of 1993 through 2001.

RET3.1

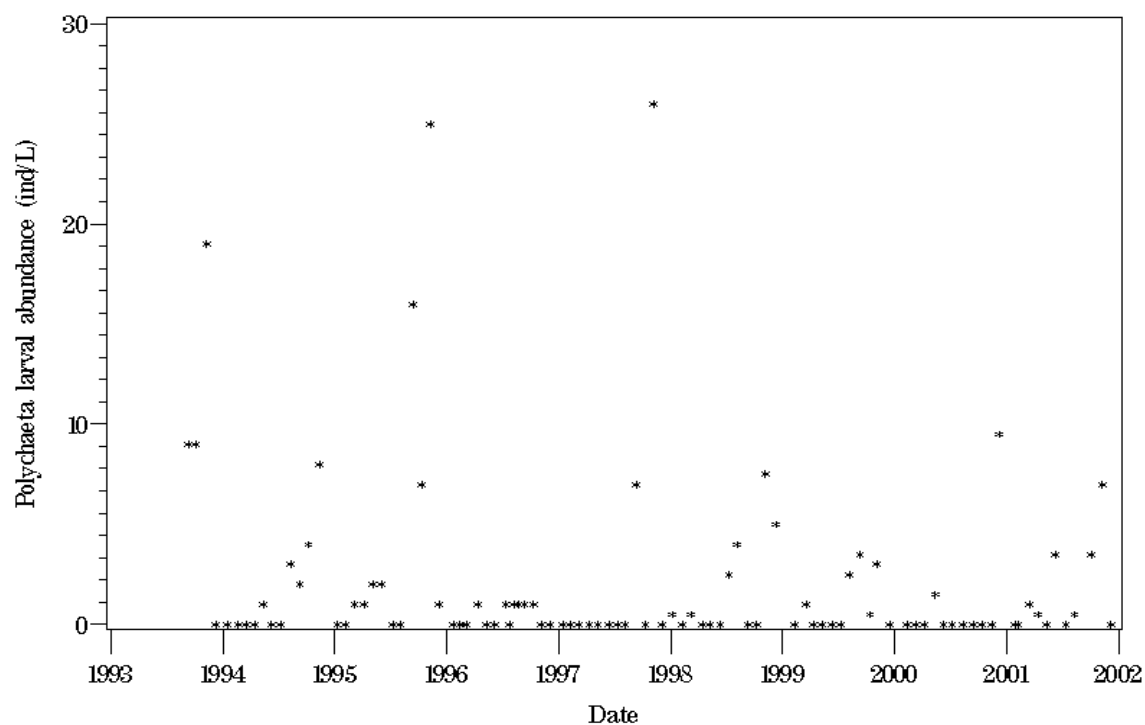


Figure L72. Plot of polychaete larval abundance against time at station TF5.5 for the period of 1993 through 2001.

LE3.6

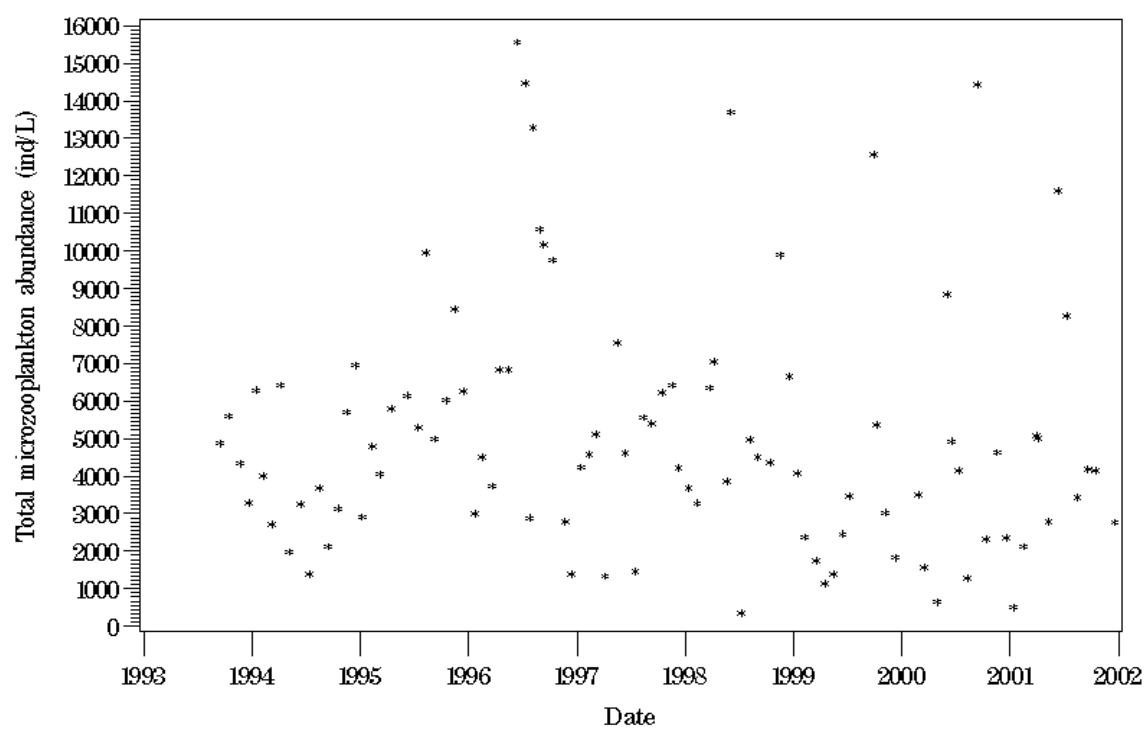


Figure L73. Plot of total microzooplankton abundance against time at station TF5.5 for the period of 1993 through 2001.

LE3.6

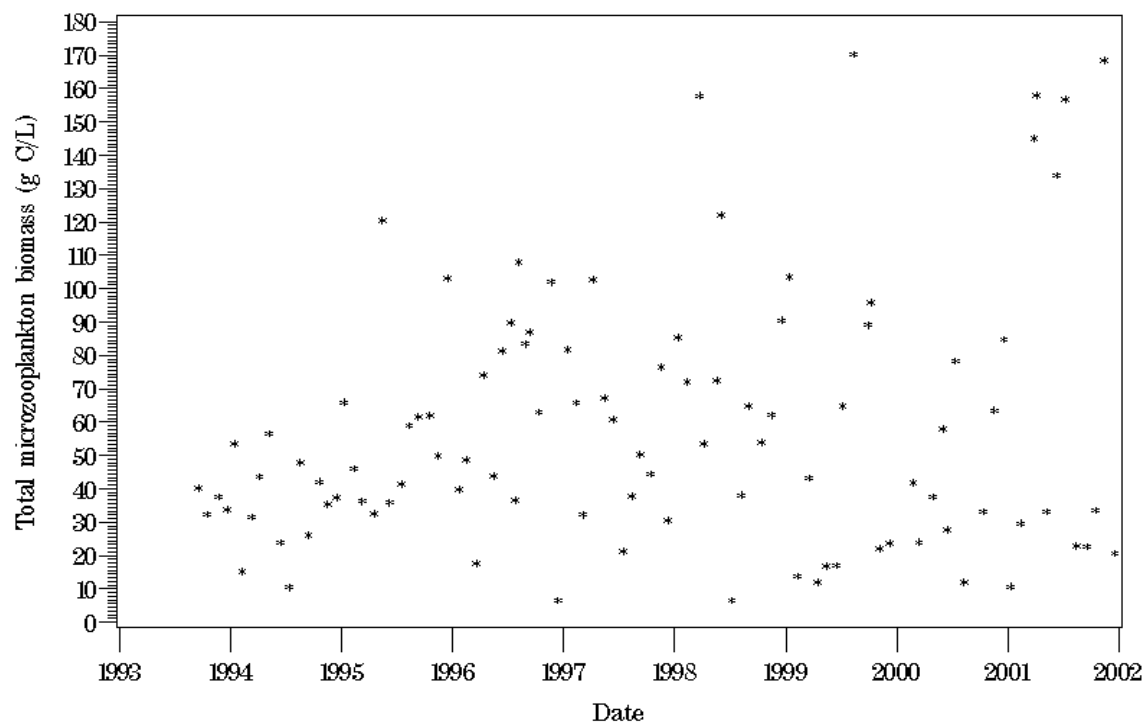


Figure L74. Plot of total microzooplankton biomass against time at station TF5.5 for the period of 1993 through 2001.

LE3.6

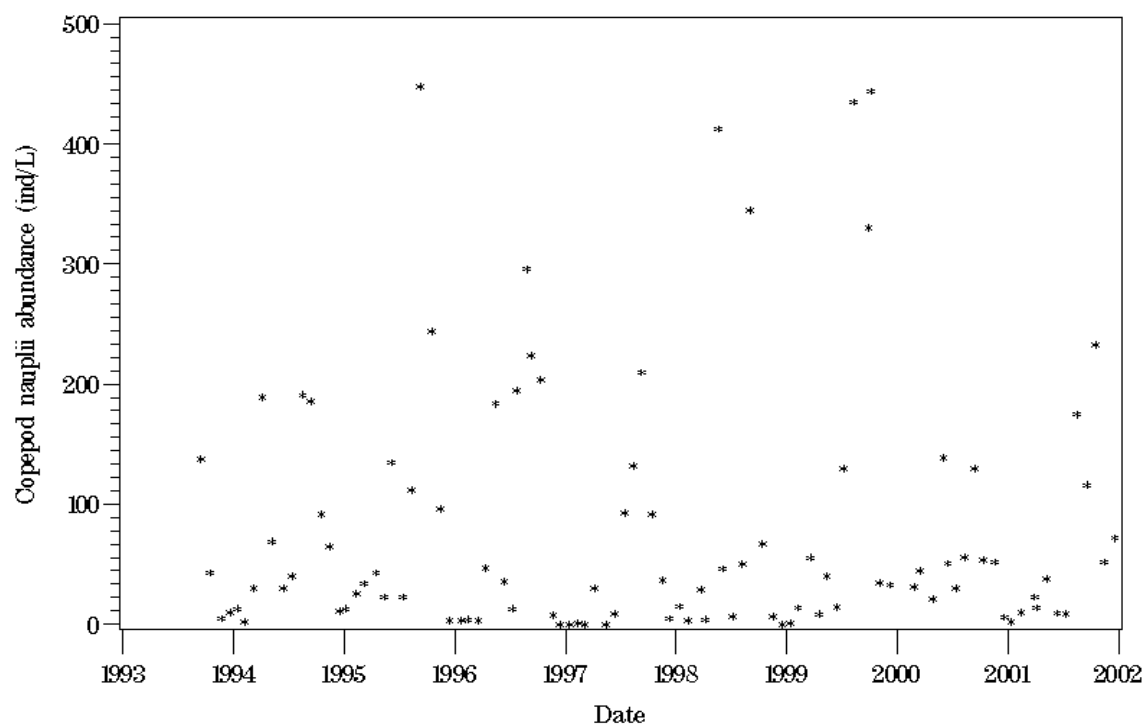


Figure L75. Plot of copepod nauplii abundance against time at station TF5.5 for the period of 1993 through 2001.

LE3.6

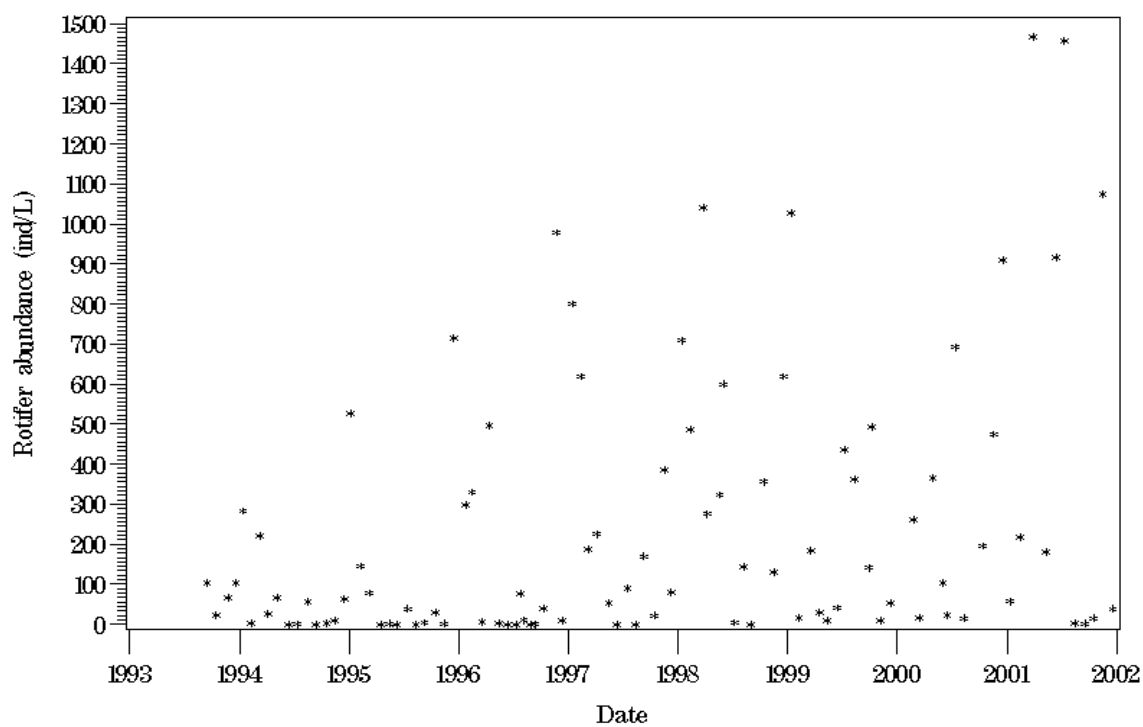


Figure L76. Plot of rotifer abundance against time at station TF5.5 for the period of 1993 through 2001.

LE3.6

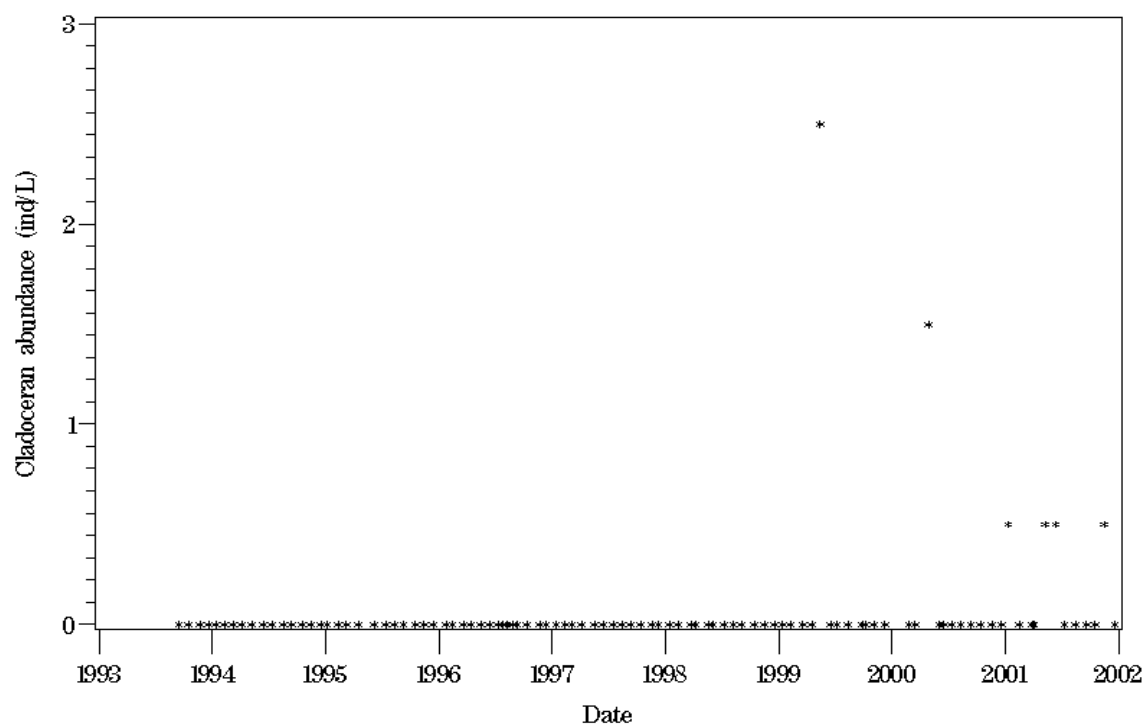


Figure L77. Plot of cladoceran abundance against time at station TF5.5 for the period of 1993 through 2001.

LE3.6

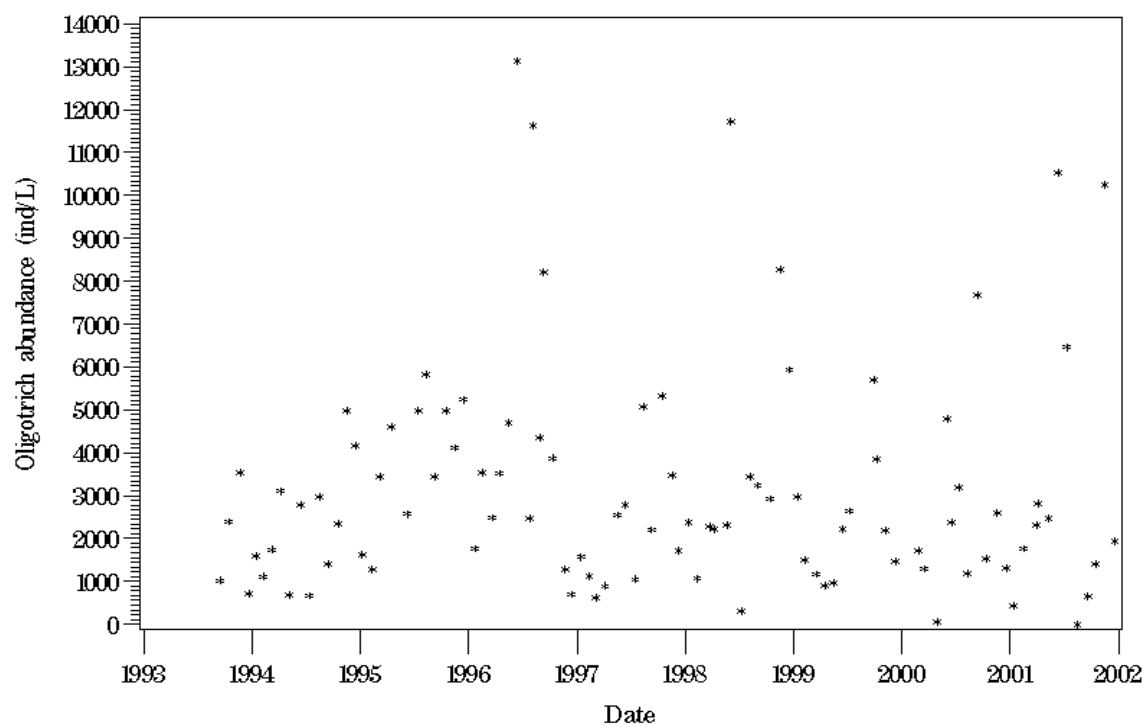


Figure L78. Plot of oligotrich abundance against time at station TF5.5 for the period of 1993 through 2001.

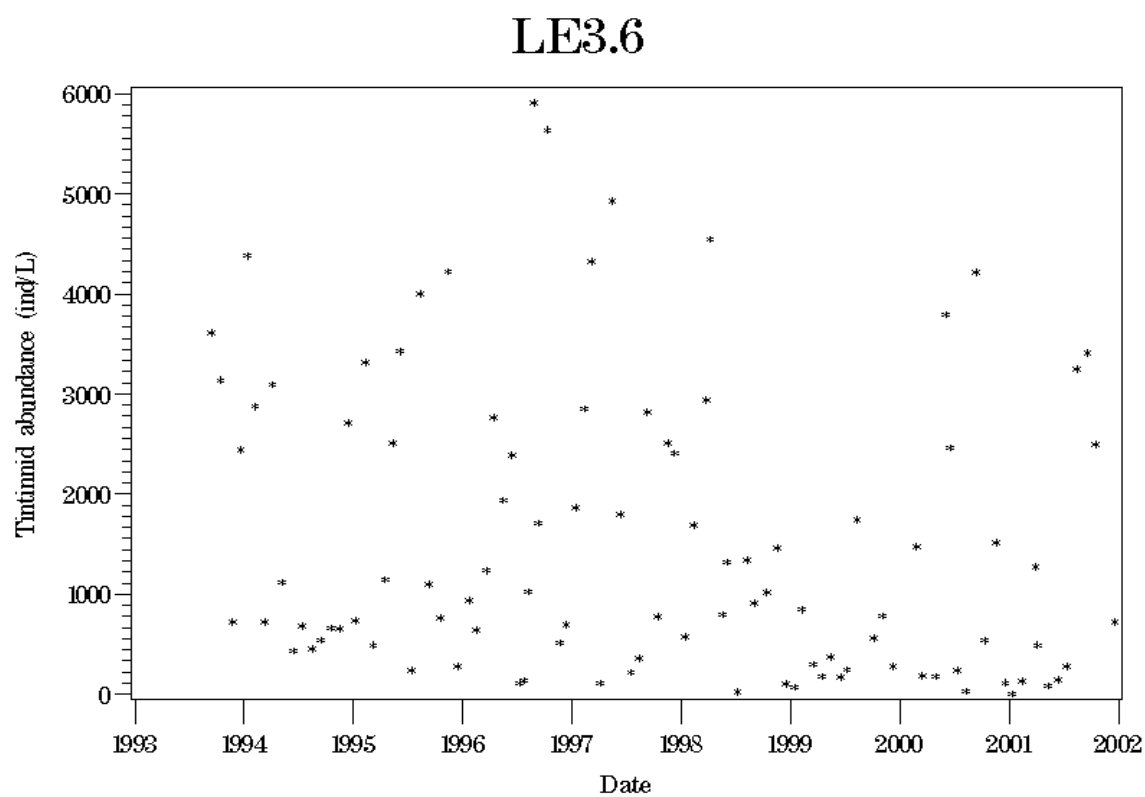


Figure L79. Plot of tintinnid abundance against time at station TF5.5 for the period of 1993 through 2001.

LE3.6

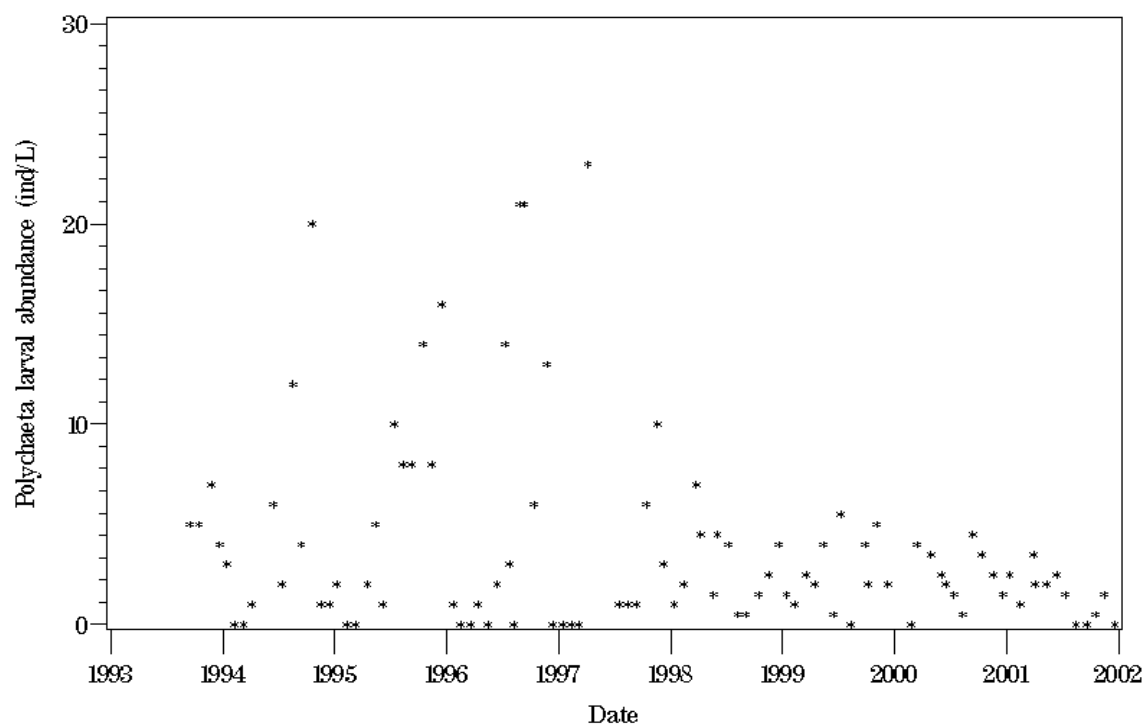


Figure L80. Plot of polychaete larval abundance against time at station TF5.5 for the period of 1993 through 2001.

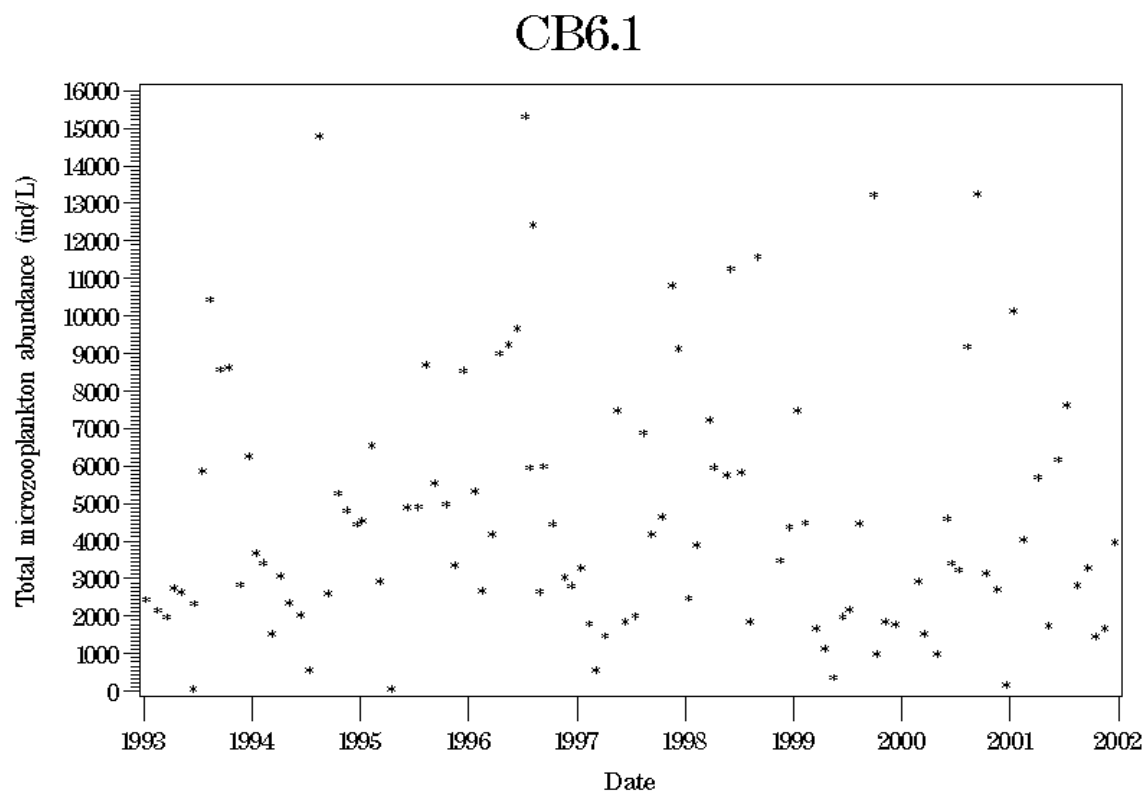


Figure L81. Plot of total microzooplankton abundance against time at station TF5.5 for the period of 1993 through 2001.

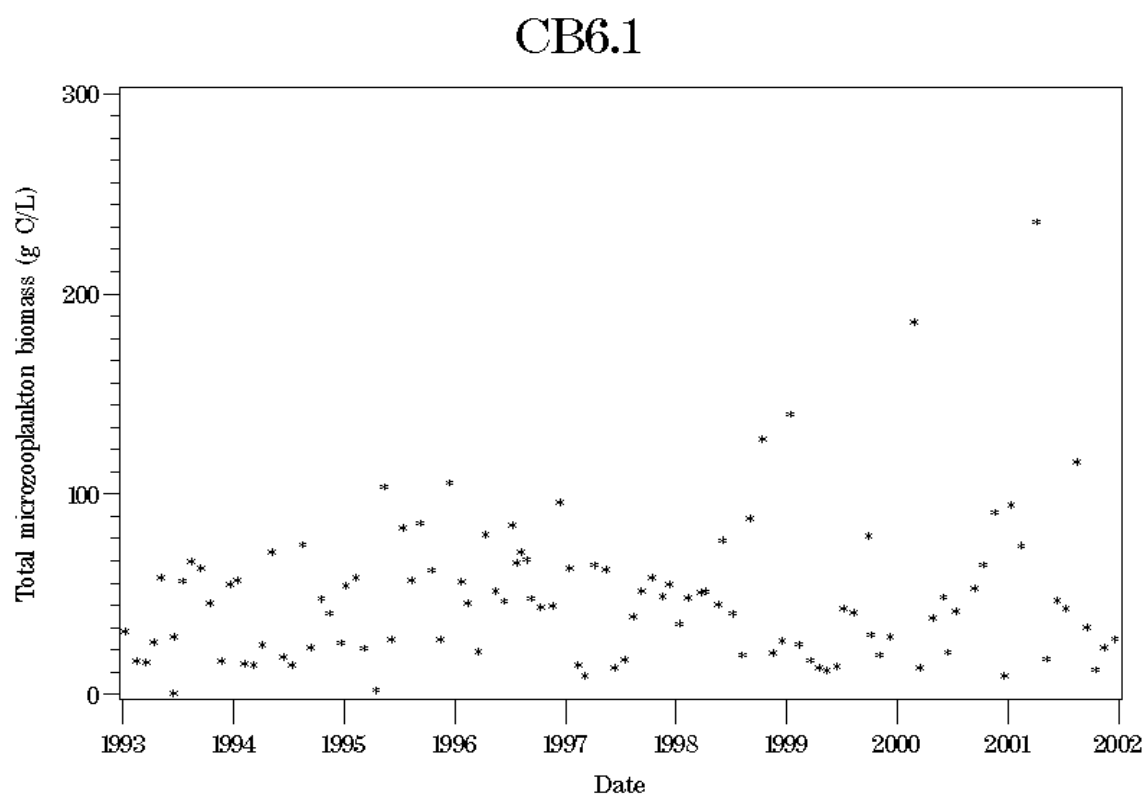


Figure L82. Plot of total microzooplankton biomass against time at station TF5.5 for the period of 1993 through 2001.

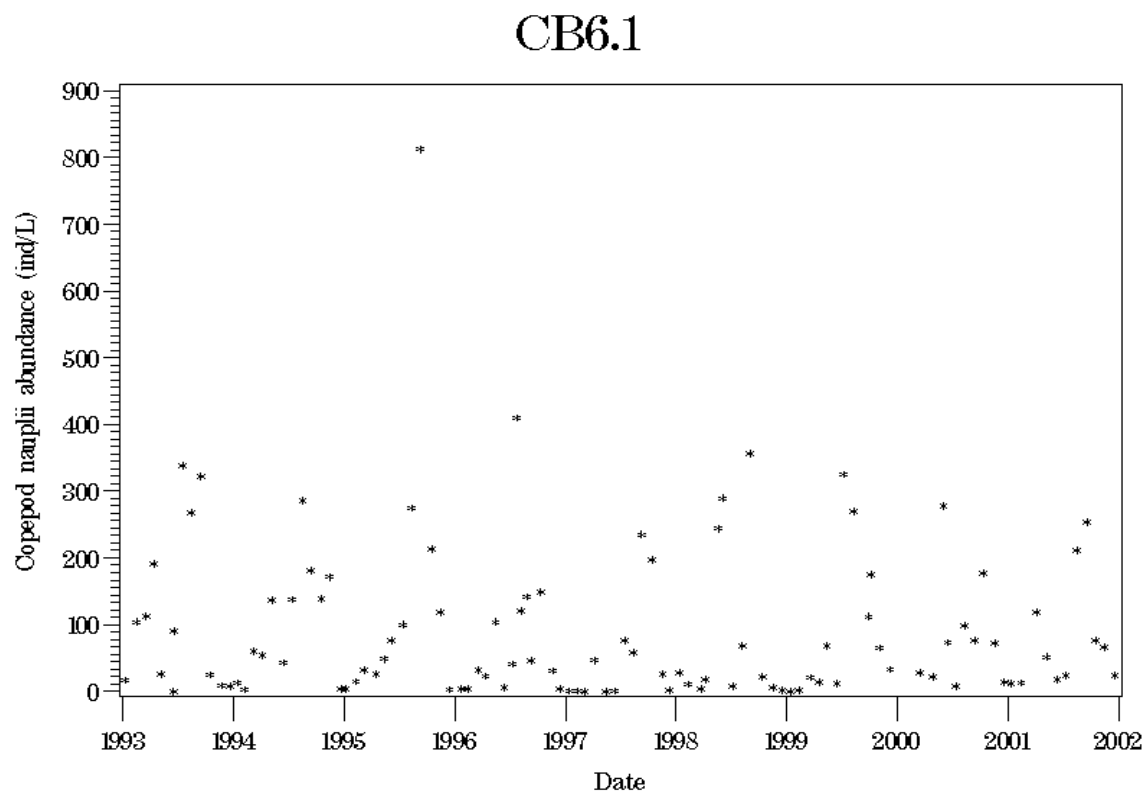


Figure L83. Plot of copepod nauplii abundance against time at station TF5.5 for the period of 1993 through 2001.

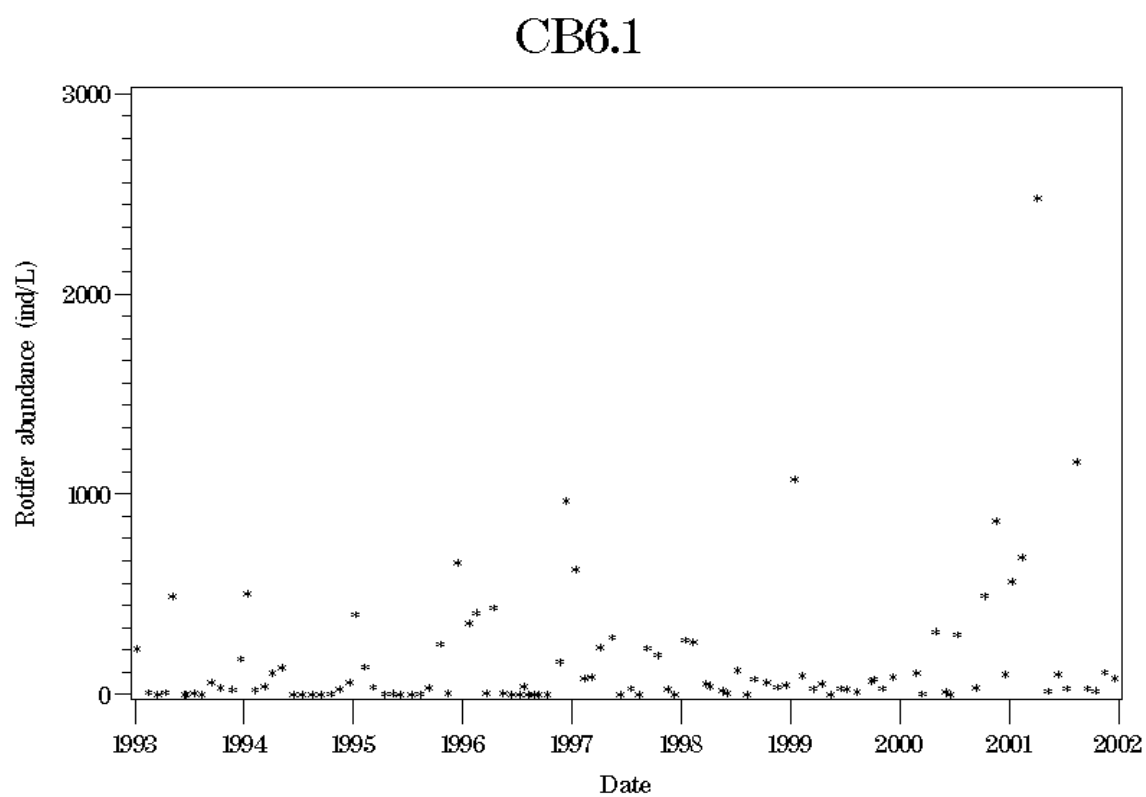


Figure L84. Plot of rotifer abundance against time at station TF5.5 for the period of 1993 through 2001.

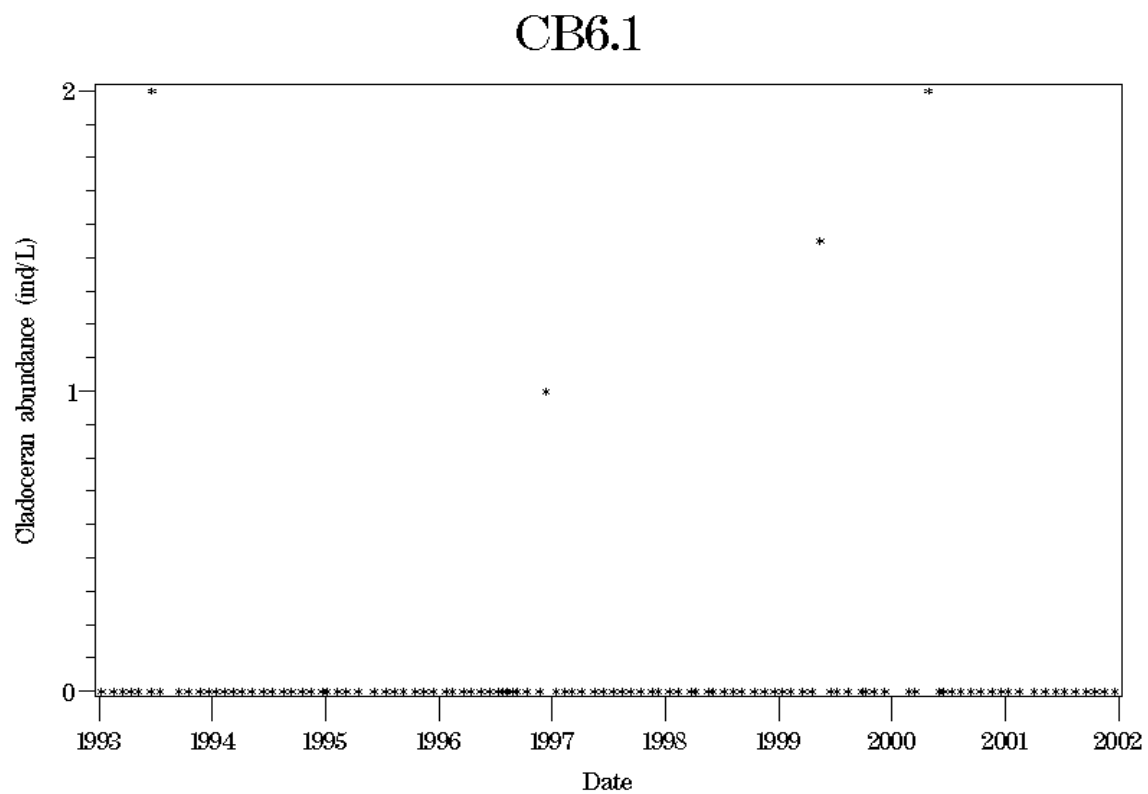


Figure L85. Plot of cladoceran abundance against time at station TF5.5 for the period of 1993 through 2001.

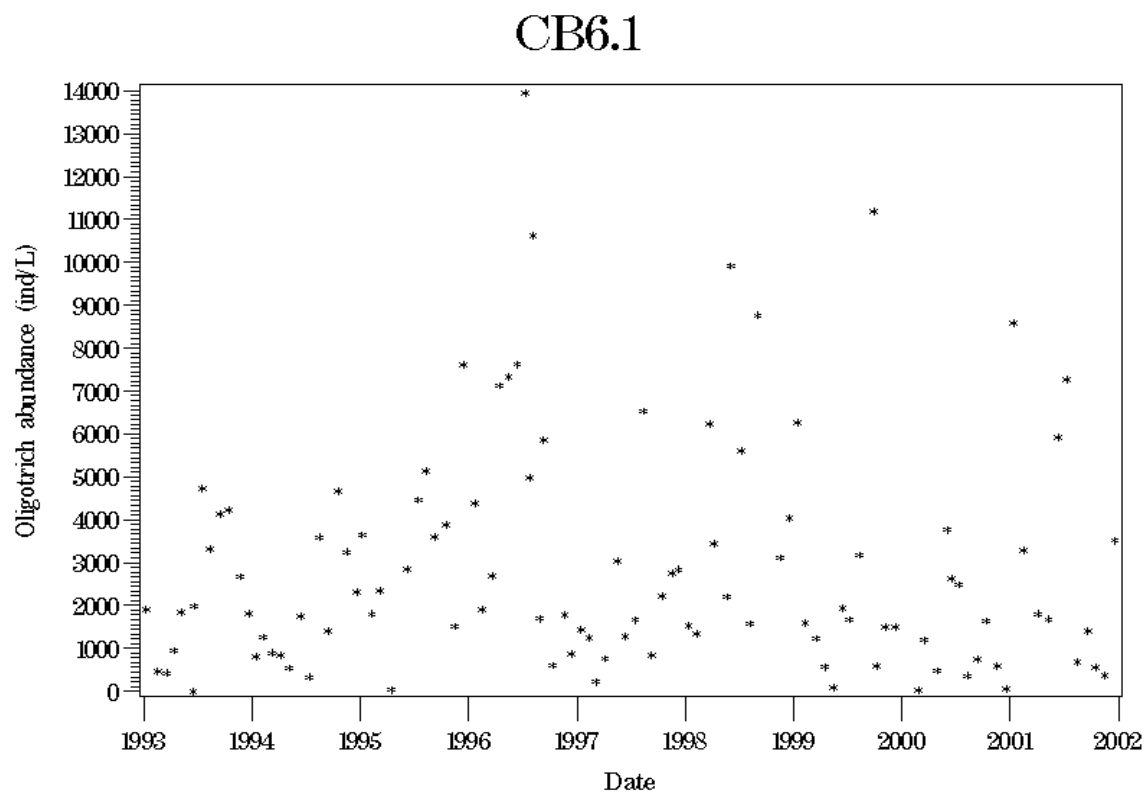


Figure L86. Plot of oligotrich abundance against time at station TF5.5 for the period of 1993 through 2001.

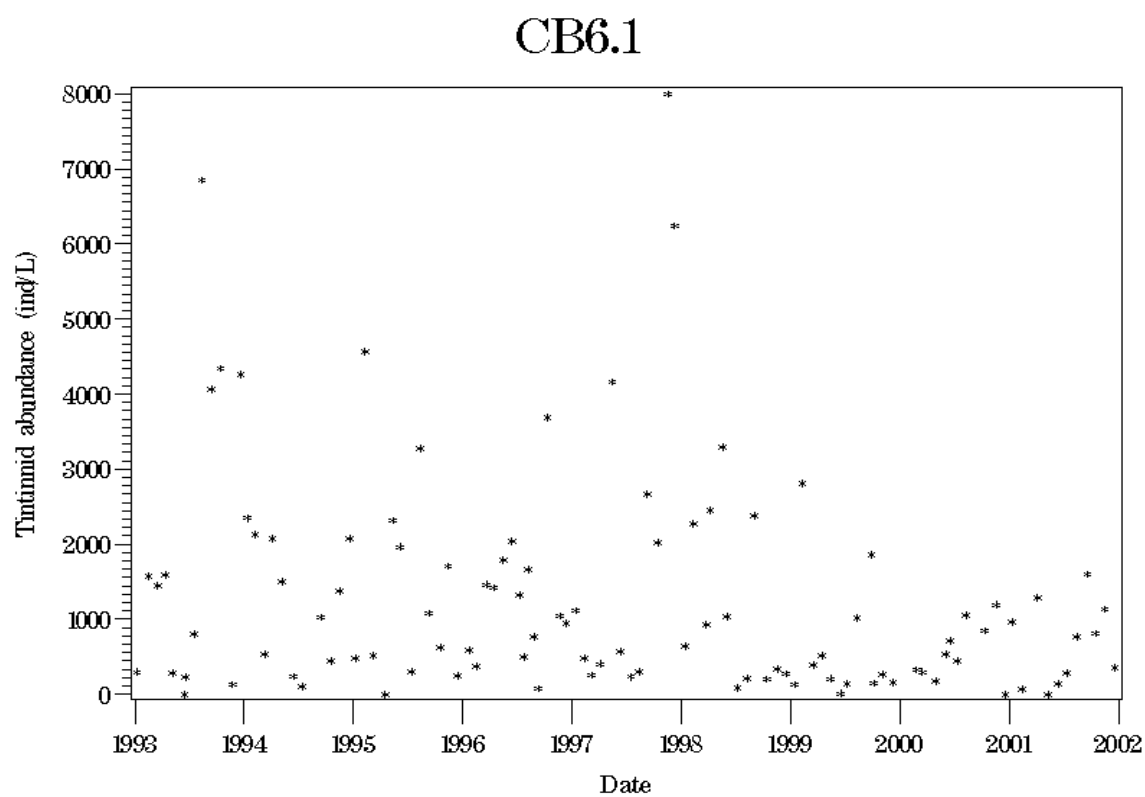


Figure L87. Plot of tintinnid abundance against time at station TF5.5 for the period of 1993 through 2001.

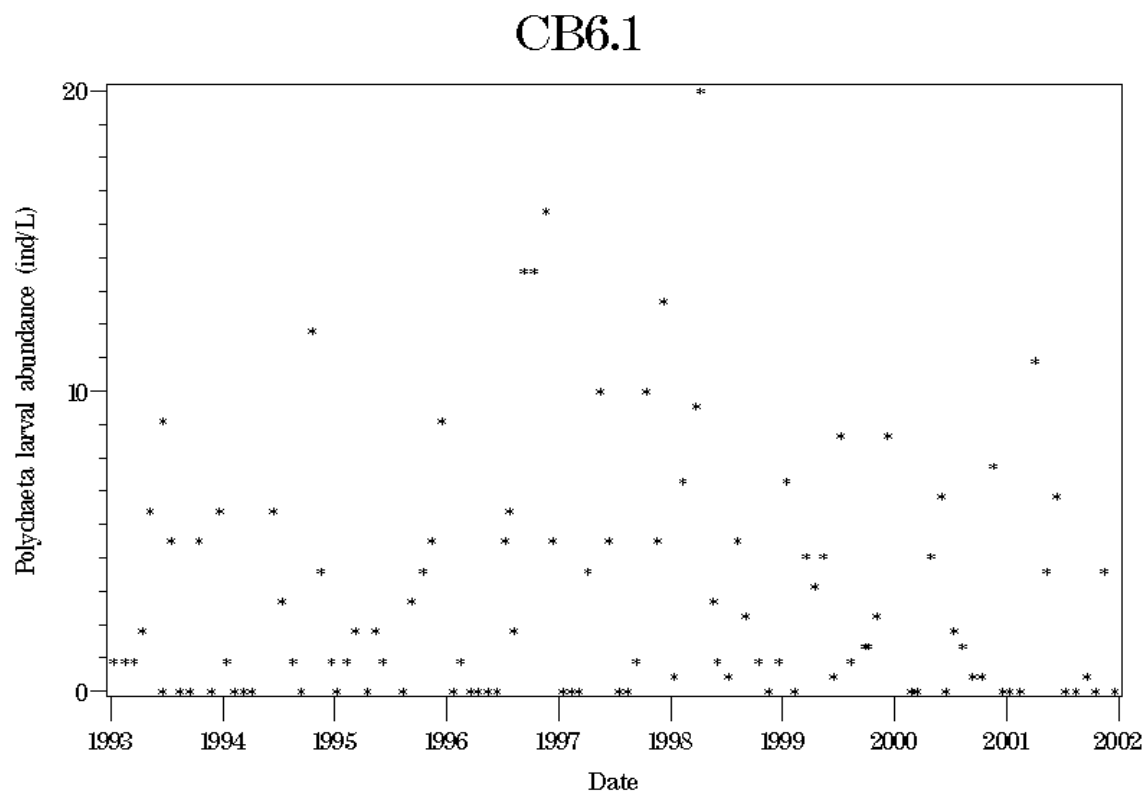


Figure L88. Plot of polychaete larval abundance against time at station TF5.5 for the period of 1993 through 2001.

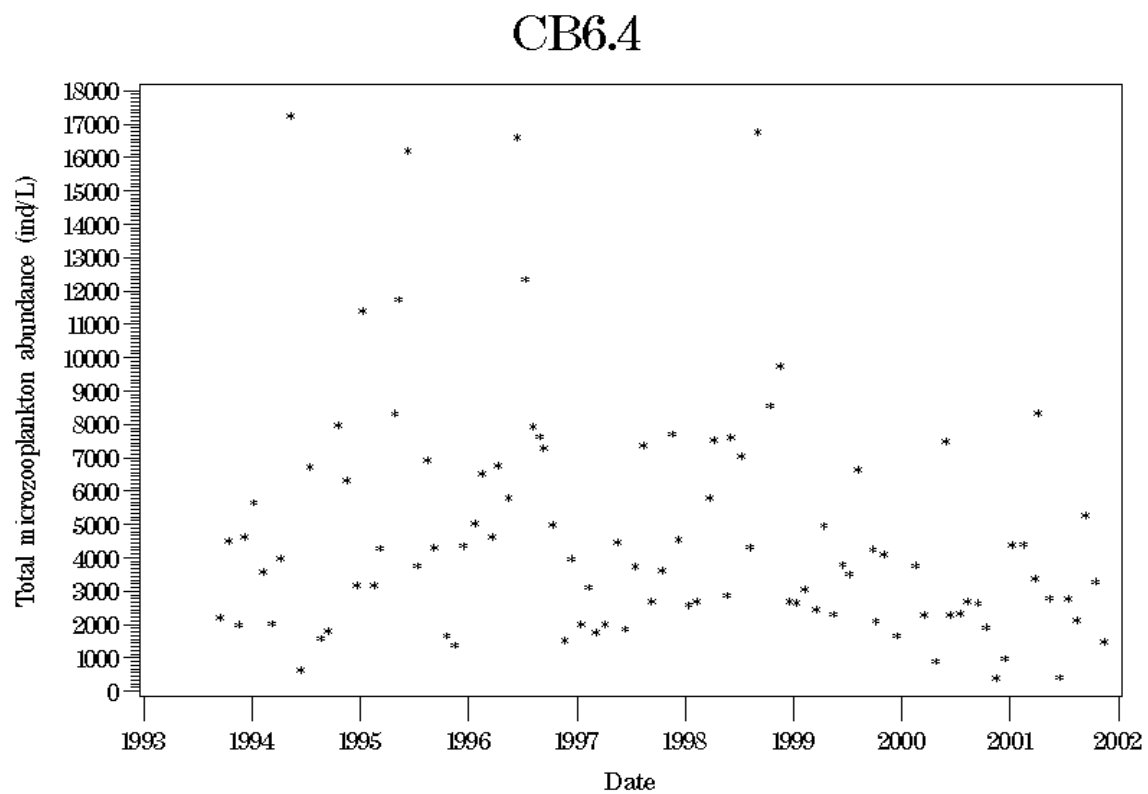


Figure L89. Plot of total microzooplankton abundance against time at station TF5.5 for the period of 1993 through 2001.

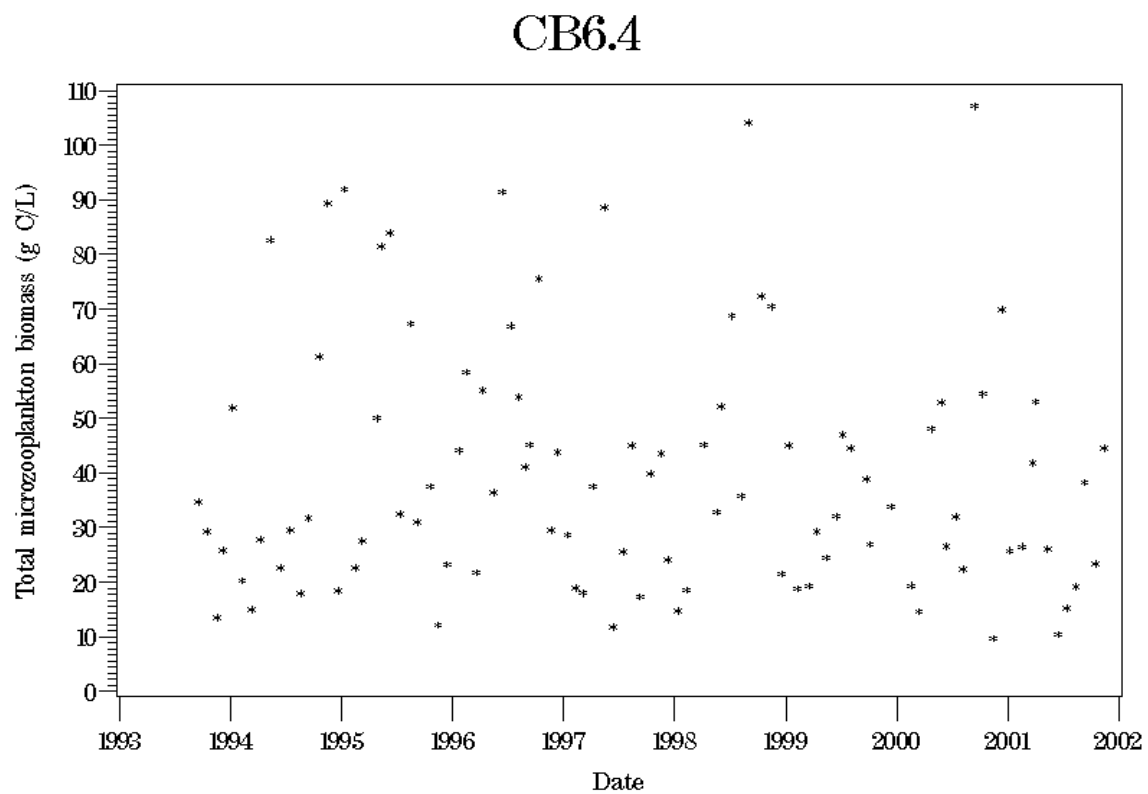


Figure L90. Plot of total microzooplankton biomass against time at station TF5.5 for the period of 1993 through 2001.

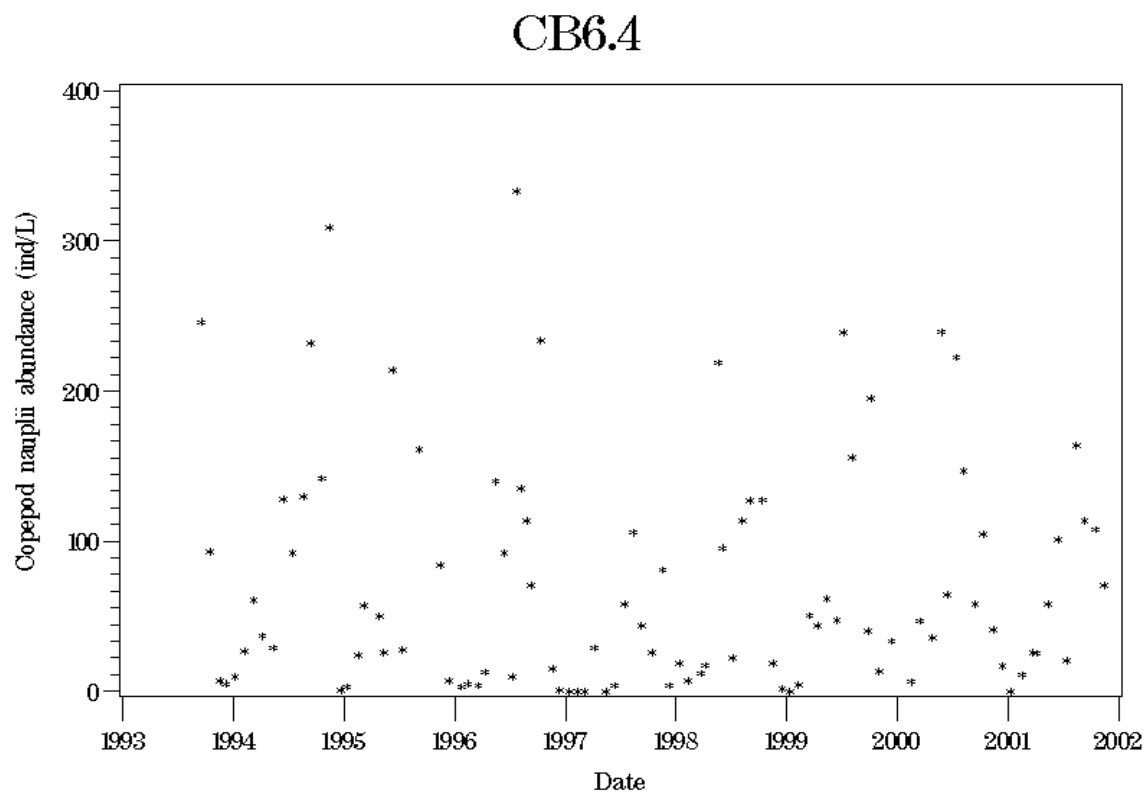


Figure L91. Plot of copepod nauplii abundance against time at station TF5.5 for the period of 1993 through 2001.

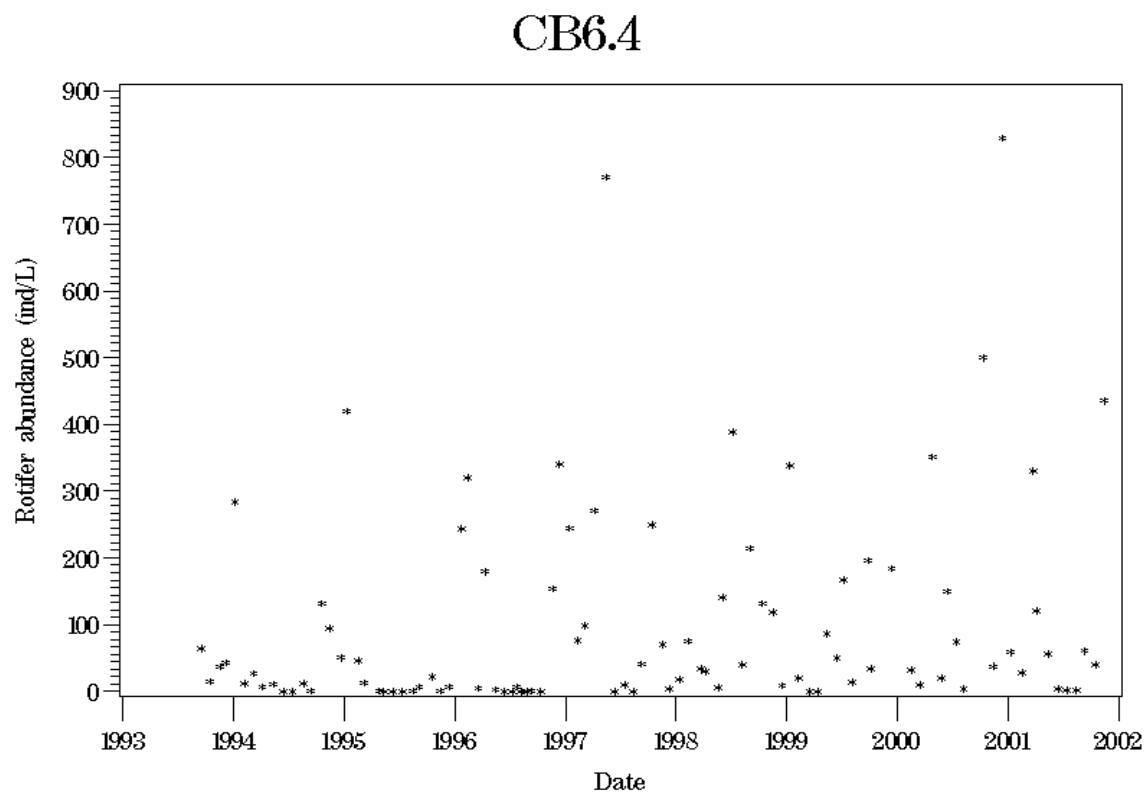


Figure L92. Plot of rotifer abundance against time at station TF5.5 for the period of 1993 through 2001.

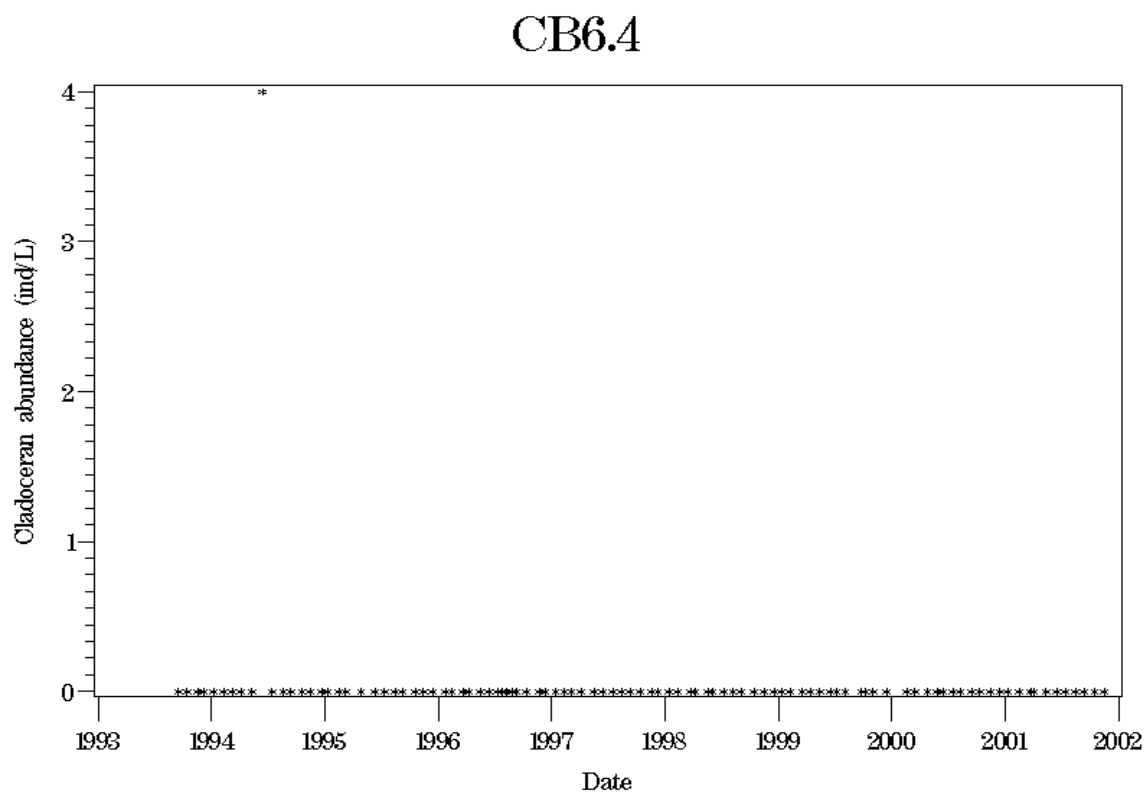


Figure L93. Plot of cladoceran abundance against time at station TF5.5 for the period of 1993 through 2001.

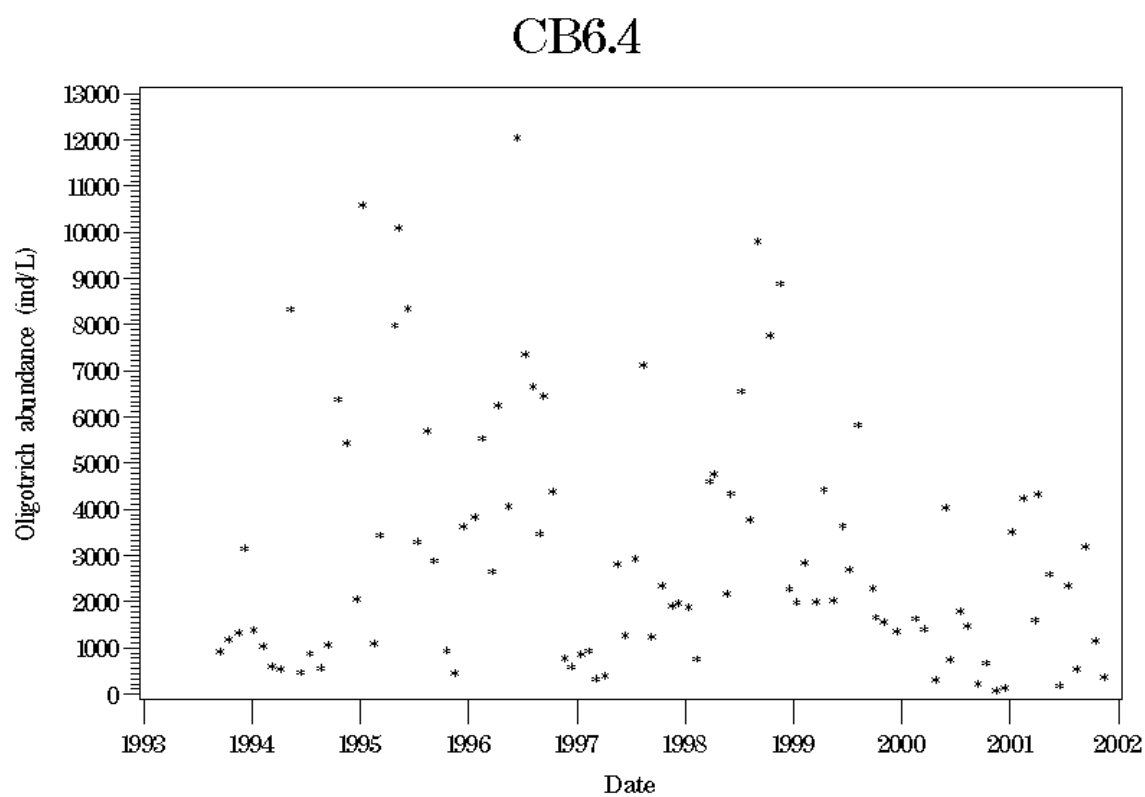


Figure L94. Plot of oligotrich abundance against time at station TF5.5 for the period of 1993 through 2001.

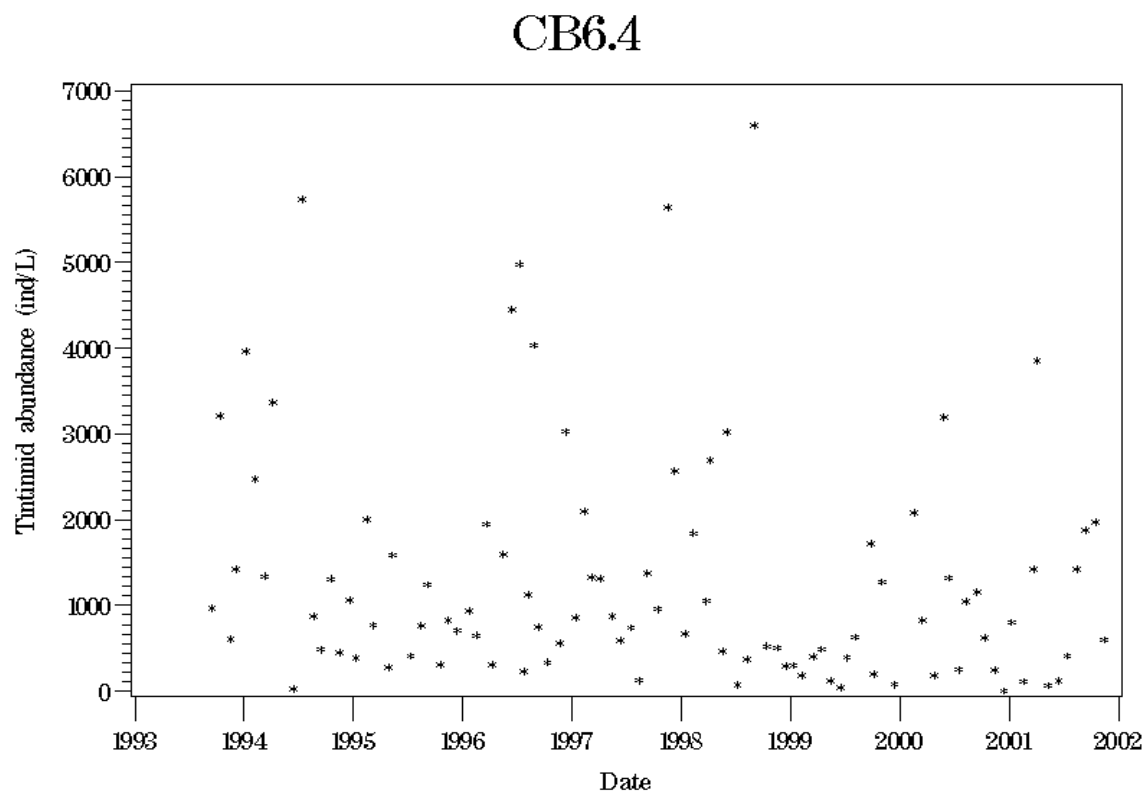


Figure L95. Plot of tintinnid abundance against time at station TF5.5 for the period of 1993 through 2001.

CB6.4

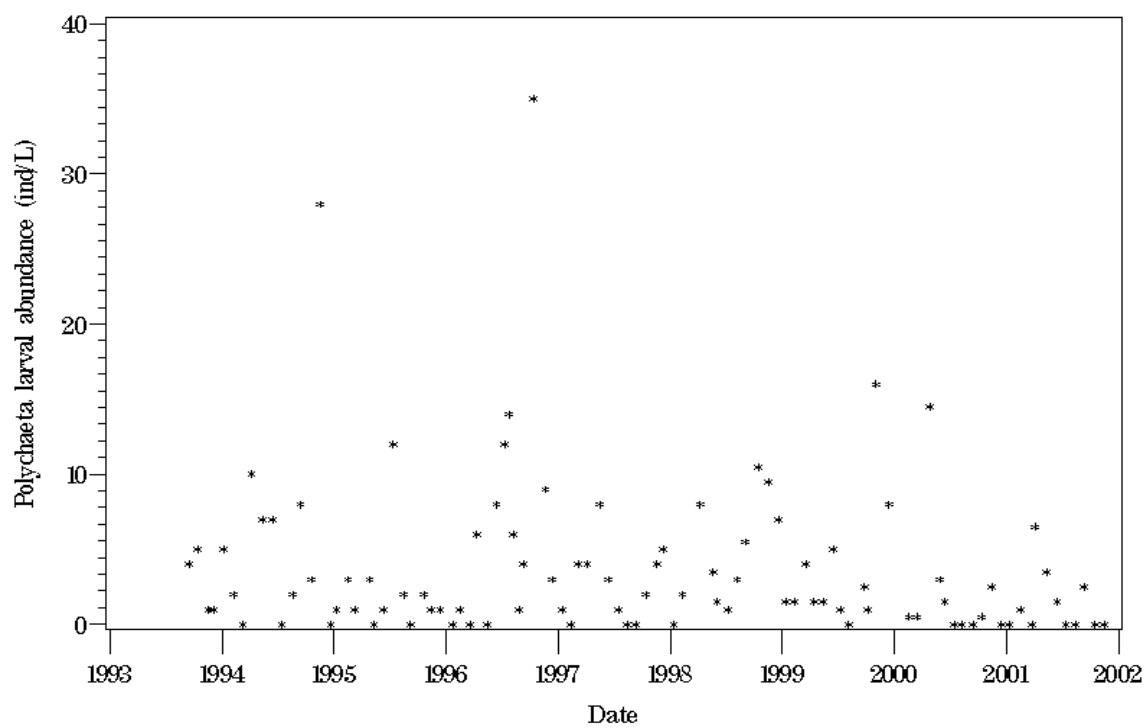


Figure L96. Plot of polychaete larval abundance against time at station TF5.5 for the period of 1993 through 2001.

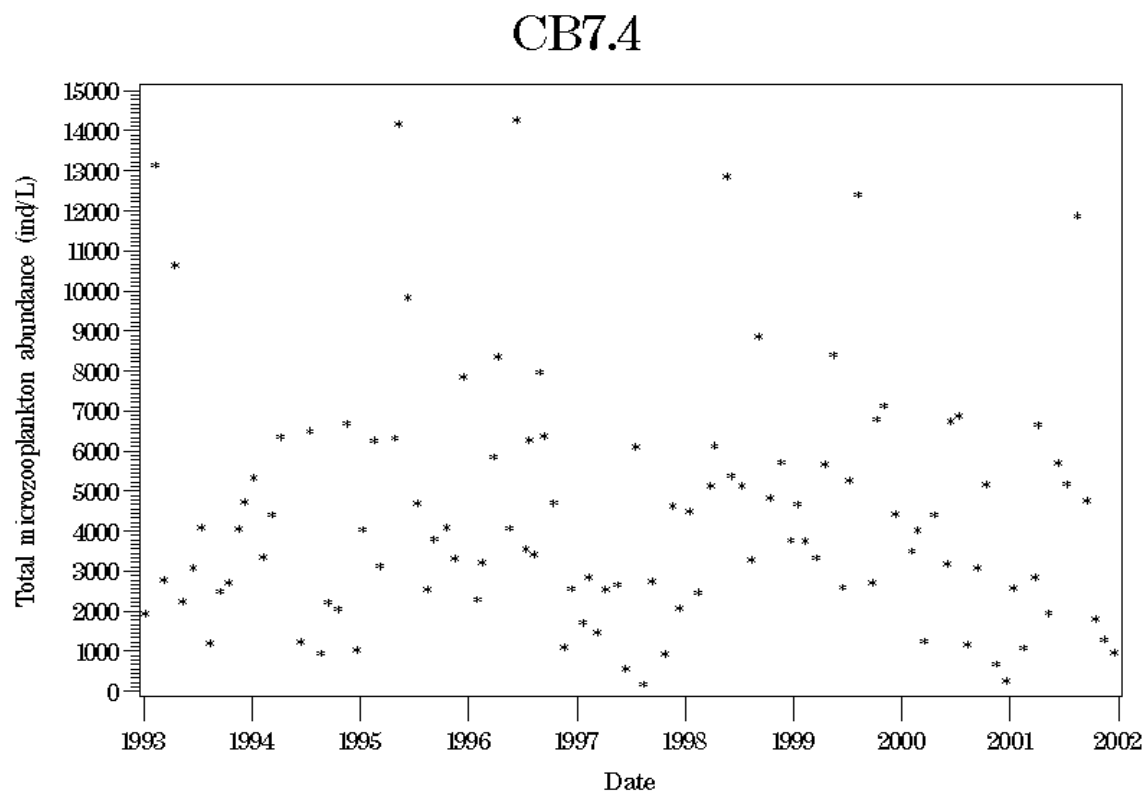


Figure L97. Plot of total microzooplankton abundance against time at station CB7.4 for the period of 1993 through 2001.

CB7.4

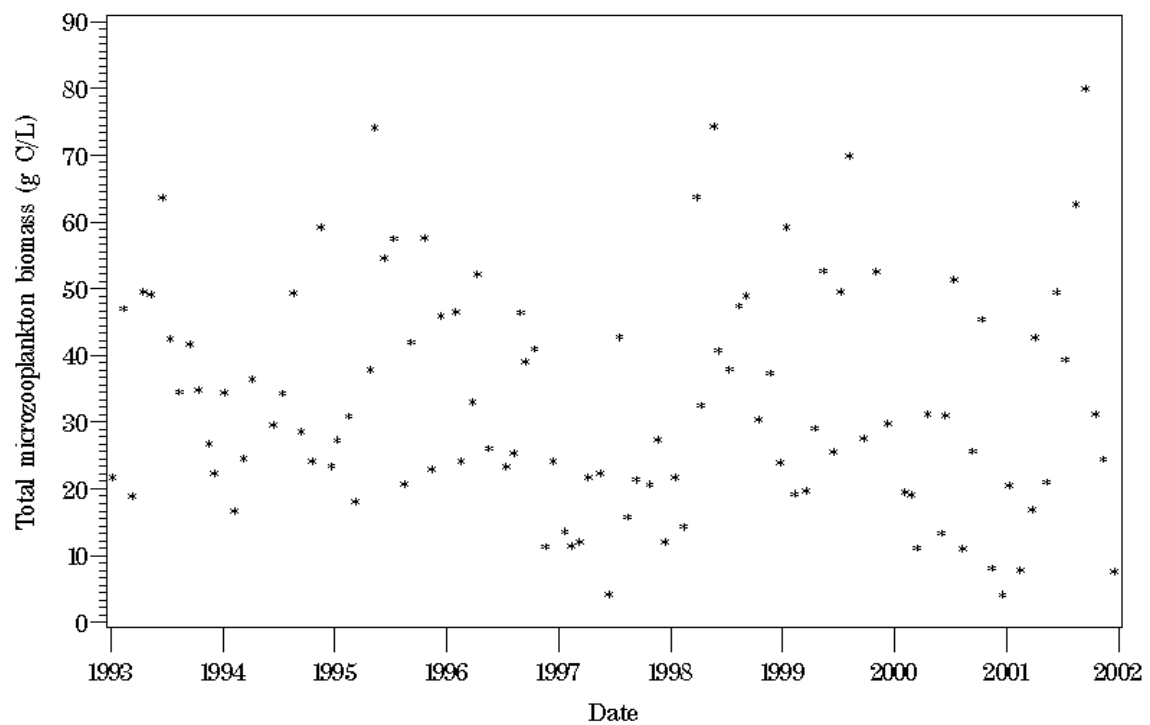


Figure L98. Plot of total microzooplankton biomass against time at station CB7.4 for the period of 1993 through 2001.

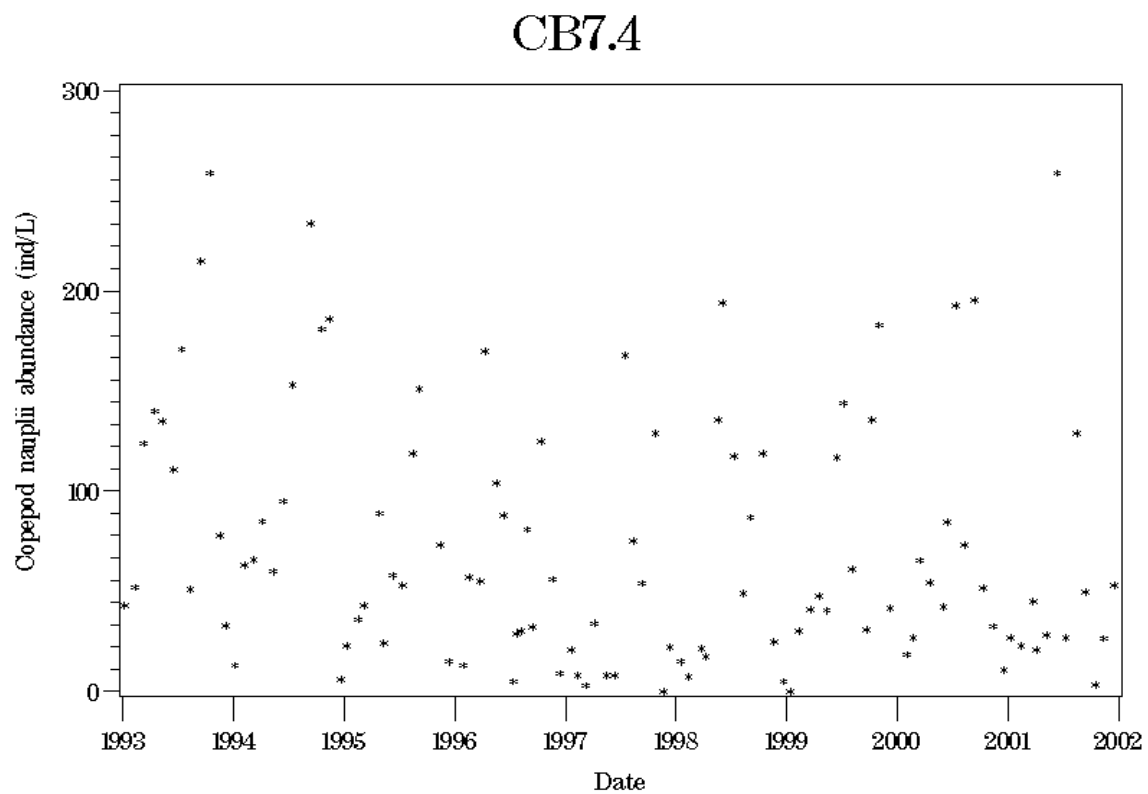


Figure L99. Plot of copepod nauplii abundance against time at station CB7.4 for the period of 1993 through 2001.

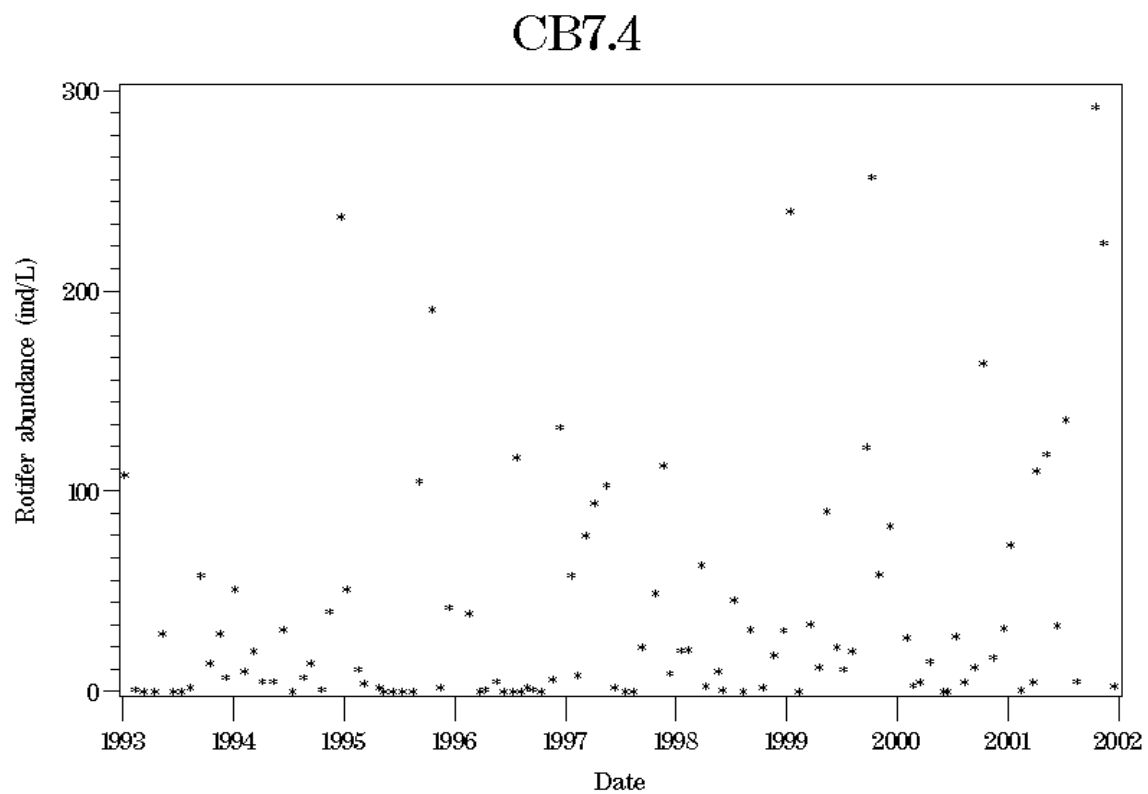


Figure L100. Plot of rotifer abundance against time at station CB7.4 for the period of 1993 through 2001.

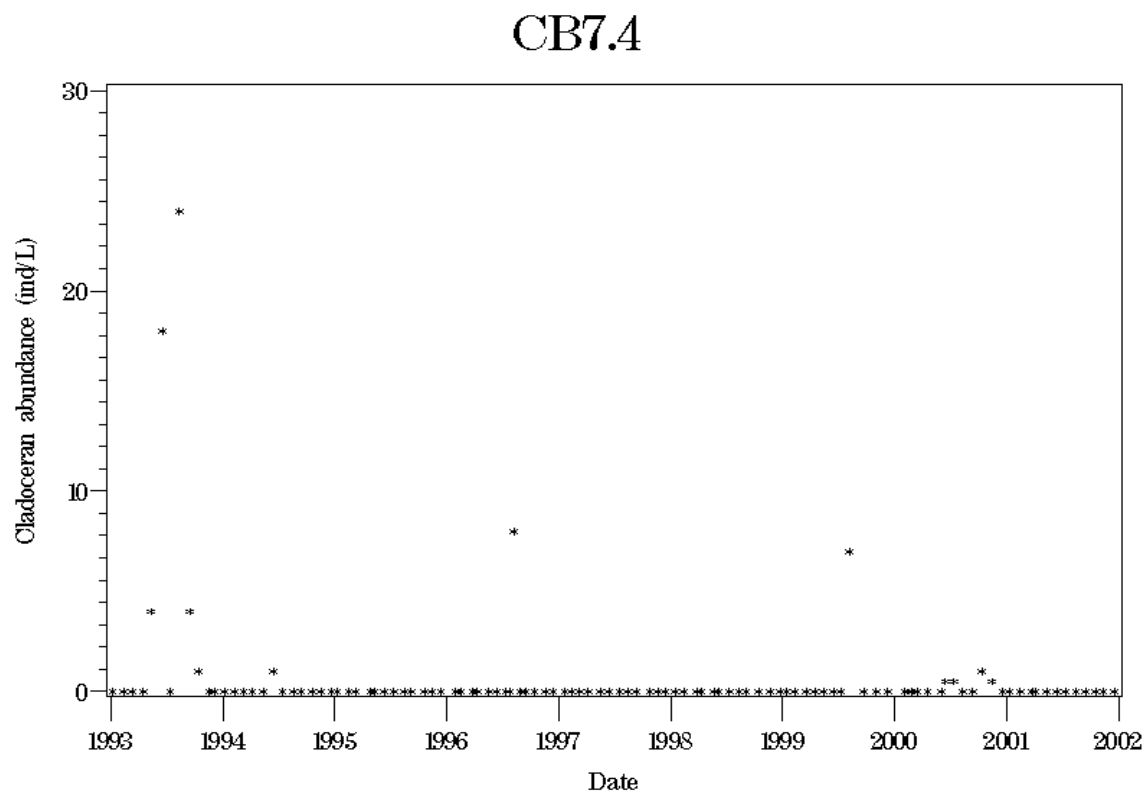


Figure L101. Plot of cladoceran abundance against time at station CB7.4 for the period of 1993 through 2001.

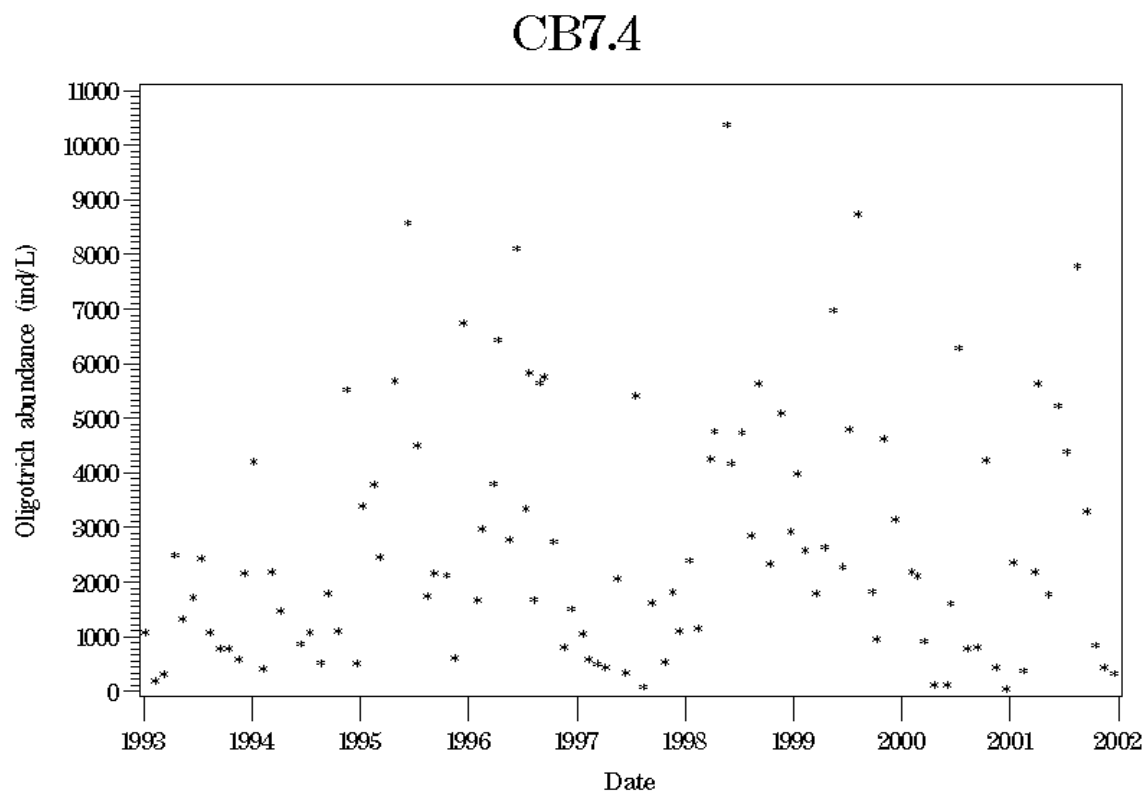


Figure L102. Plot of oligotrich abundance against time at station CB7.4 for the period of 1993 through 2001.

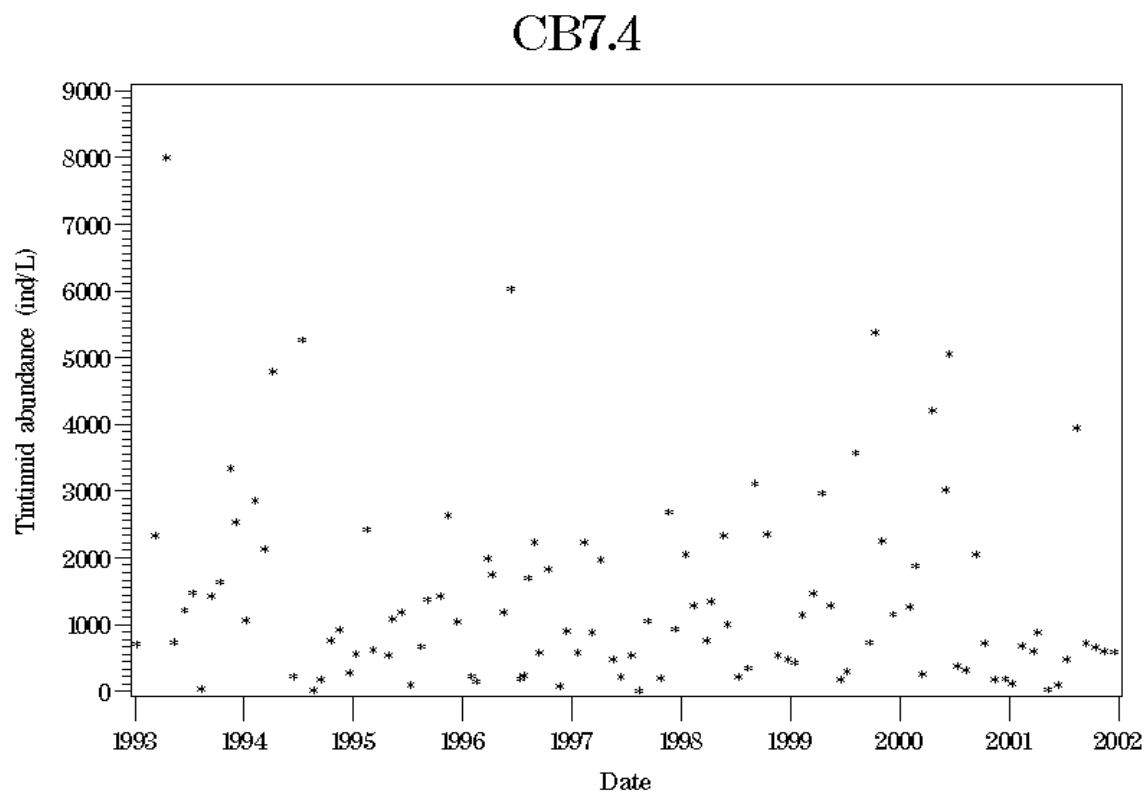


Figure L103. Plot of tintinnid abundance against time at station CB7.4 for the period of 1993 through 2001.

CB7.4

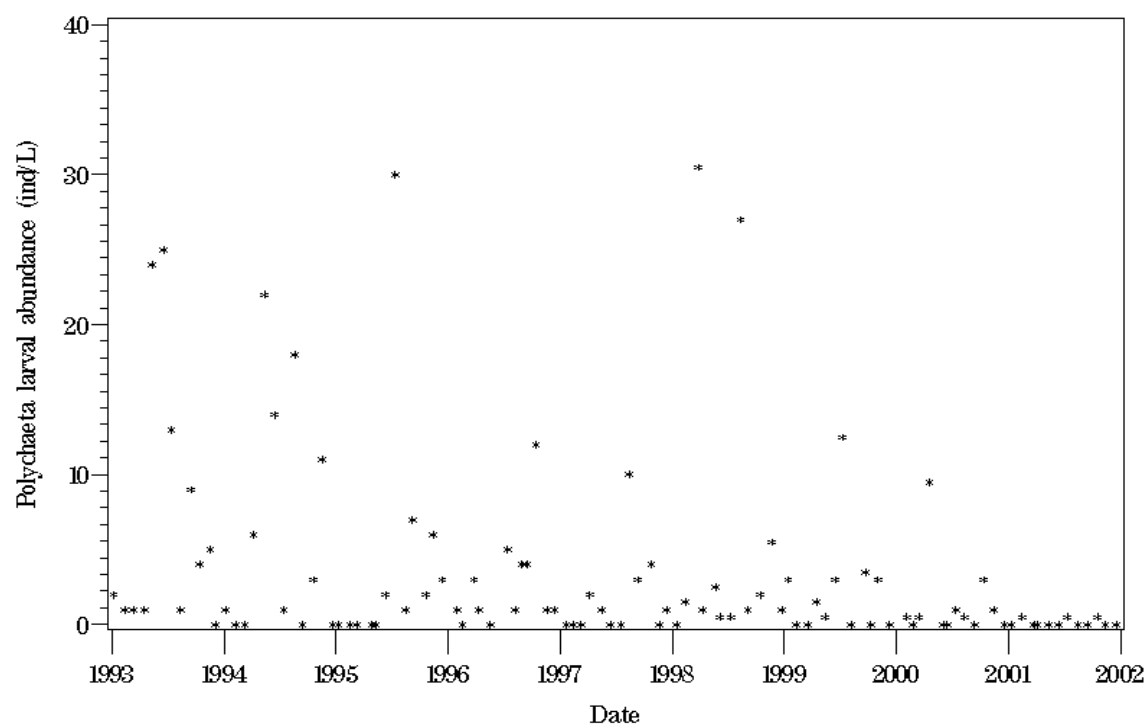


Figure L104. Plot of polychaete larval abundance against time at station CB7.4 for the period of 1993 through 2001.