Appendix G. Status in C14 productivity at all stations and for all seasons, for the period of 2001 through 2003. See the method section of the report for definitions of Seasons.

Station	Season	Layer	Median	Score	Status
CB6.1	Annual	AP	36.38	41.48	Fair
CB6.4	Annual	AP	50.87	78.48	Poor
CB7.3E	Annual	AP	33.74	64.47	Poor
CB7.4	Annual	AP	39.31	66.53	Poor
LE3.6	Annual	AP	45.62	55.56	Fair
LE5.5	Annual	AP	73.02	89.03	Poor
RET3.1	Annual	AP	105.30	84.07	Poor
RET4.3	Annual	AP	63.59	64.69	Poor
RET5.2	Annual	AP	60.03	60.05	Fair
SBE5	Annual	AP	24.88	25.76	Good
TF3.3	Annual	AP	219.30	89.48	Poor
TF4.2	Annual	AP	22.80	42.90	Fair
TF5.5	Annual	AP	151.05	87.03	Poor
WE4.2	Annual	AP	64.70	85.41	Poor
CB6.1	Summer1	AP	39.00	28.11	Good
CB6.4	Summer1	AP	89.09	90.47	Poor
CB7.3E	Summer1	AP	49.56	69.98	Poor
CB7.4	Summer1	AP	39.35	55.91	Fair
LE3.6	Summer1	AP	89.22	68.52	Poor
LE5.5	Summer1	AP	85.64	87.33	Poor
RET3.1	Summer1	AP	175.75	89.28	Poor
RET4.3	Summer1	AP	74.83	57.71	Fair
RET5.2	Summer1	AP	99.02	60.13	Fair
SBE5	Summer1	AP	23.66	12.53	Good
TF3.3	Summer1	AP	219.30	87.82	Poor
TF4.2	Summer1	AP	21.01	11.13	Good
TF5.5	Summer1	AP	202.59	82.46	Poor
WE4.2	Summer1	AP	73.75	83.96	Poor
CB6.1	Summer2	AP	36.88	24.50	Good
CB6.4	Summer2	AP	79.88	81.73	Poor
CB7.3E	Summer2	AP	48.20	65.58	Poor
CB7.4	Summer2	AP	36.80	47.28	Fair
LE3.6	Summer2	AP	71.08	65.17	Poor
LE5.5	Summer2	AP	85.36	86.64	Poor
RET3.1	Summer2	AP	140.52	82.66	Poor
RET4.3	Summer2	AP	73.16	57.05	Fair
RET5.2	Summer2	AP	82.90	47.93	Fair
SBE5	Summer2	AP	24.88	13.09	Good
TF3.3	Summer2	AP	184.26	81.90	Poor
TF4.2	Summer2	AP	15.60	8.44	Good
TF5.5	Summer2	AP	231.18	82.48	Poor
WE4.2	Summer2	AP	72.01	82.93	Poor

Appendix G. Continued.

Station	Season	Layer	Median	Score	Status
CB6.1	Spring1	AP	23.92	23.33	Good
CB6.4	Spring1	AP	65.42	87.55	Poor
CB7.3E	Spring1	AP	28.46	63.52	Poor
CB7.4	Spring1	AP	36.45	74.00	Poor
LE3.6	Spring1	AP	32.93	30.09	Good
LE5.5	Spring1	AP	88.24	93.99	Poor
RET3.1	Spring1	AP	90.91	79.11	Poor
RET4.3	Spring1	AP	54.15	61.50	Poor
RET5.2	Spring1	AP	45.06	55.95	Fair
SBE5	Spring1	AP	39.01	44.30	Fair
TF3.3	Spring1	AP	227.57	94.15	Poor
TF4.2	Spring1	AP	21.51	41.84	Fair
TF5.5	Spring1	AP	77.07	78.48	Poor
WE4.2	Spring1	AP	87.62	92.29	Poor
CB6.1	Spring2	AP	69.40	62.20	Poor
CB6.4	Spring2	AP	94.29	89.69	Poor
CB7.3E	Spring2	AP	53.81	83.04	Poor
CB7.4	Spring2	AP	73.41	88.55	Poor
LE3.6	Spring2	AP	111.85	76.65	Poor
LE5.5	Spring2	AP	85.92	91.97	Poor
RET3.1	Spring2	AP	90.91	77.14	Poor
RET4.3	Spring2	AP	59.09	56.76	Fair
RET5.2	Spring2	AP	94.73	73.50	Poor
SBE5	Spring2	AP	32.28	29.81	Good
TF3.3	Spring2	AP	227.57	93.96	Poor
TF4.2	Spring2	AP	26.42	28.68	Good
TF5.5	Spring2	AP	144.63	83.84	Poor
WE4.2	Spring2	AP	87.62	91.94	Poor
CB6.1	Winter	AP	15.03	24.66	Good
CB6.4	Winter	AP	16.54	24.83	Good
CB7.3E	Winter	AP	19.65	30.19	Good
CB7.4	Winter	AP	20.60	36.86	Good
LE3.6	Winter	AP	19.72	34.63	Good
LE5.5	Winter	AP	27.79	52.55	Fair
SBE5	Winter	AP	57.97	77.05	Poor
WE4.2	Winter	AP	17.26	31.96	Good

Appendix G. Continued.

Station	Season	Layer	Median	Score	Status
CB6.1	Fall	AP	49.45	77.41	Poor
CB6.4	Fall	AP	51.41	89.41	Poor
CB7.3E	Fall	AP	35.51	78.37	Poor
CB7.4	Fall	AP	51.21	88.86	Poor
LE3.6	Fall	AP	67.06	80.88	Poor
LE5.5	Fall	AP	62.13	92.35	Poor
RET3.1	Fall	AP	242.08	98.75	Poor
RET4.3	Fall	AP	48.08	75.55	Poor
RET5.2	Fall	AP	20.50	43.01	Fair
SBE5	Fall	AP	10.25	13.44	Good
TF3.3	Fall	AP	50.60	70.47	Poor
TF4.2	Fall	AP	67.33	87.37	Poor
TF5.5	Fall	AP	161.31	95.32	Poor
WE4.2	Fall	AP	58.21	89.64	Poor
CB6.1	SAV1	AP	36.38	41.81	Fair
CB6.4	SAV1	AP	50.87	82.61	Poor
CB7.3E	SAV1	AP	36.28	74.28	Poor
CB7.4	SAV1	AP	39.31	73.61	Poor
LE3.6	SAV1	AP	51.19	59.16	Fair
LE5.5	SAV1	AP	76.91	91.44	Poor
RET3.1	SAV1	AP	101.40	83.64	Poor
RET4.3	SAV1	AP	54.15	62.68	Poor
RET5.2	SAV1	AP	39.32	45.50	Fair
SBE5	SAV1	AP	22.45	21.78	Good
TF3.3	SAV1	AP	149.21	86.29	Poor
TF4.2	SAV1	AP	21.51	39.66	Good
TF5.5	SAV1	AP	77.07	77.22	Poor
WE4.2	SAV1	AP	58.71	84.90	Poor
CB6.1	SAV2	AP	51.32	41.38	Fair
CB6.4	SAV2	AP	65.42	79.69	Poor
CB7.3E	SAV2	AP	49.56	73.21	Poor
CB7.4	SAV2	AP	40.60	64.28	Poor
LE3.6	SAV2	AP	88.17	69.58	Poor
LE5.5	SAV2	AP	85.36	88.72	Poor
RET3.1	SAV2	AP	140.52	85.86	Poor
RET4.3	SAV2	AP	65.69	58.12	Fair
RET5.2	SAV2	AP	65.80	48.98	Fair
SBE5	SAV2	AP	24.34	16.57	Good
TF3.3	SAV2	AP	184.26	85.04	Poor
TF4.2	SAV2	AP	26.42	22.97	Good
TF5.5	SAV2	AP	171.77	82.84	Poor
WE4.2	SAV2	AP	75.62	86.37	Poor

Appendix H. Long-term trends in C14 productivity at all stations and for all seasons, for the period of 1985 through 2003. See the method section of the report for definitions of Seasons.

Station	Season	P value	Slope	Baseline	Absolute Change	% Change	Homogeneity test P value	Direction
TF5.5	Annual	0.2634	0.50	32.33	8.06	24.92	0.4219	No Trend
RET5.2	Annual	0.0000	-3.31	125.14	-52.95	-42.32	0.0485	Improving
LE5.5	Annual	0.1929	-0.85	62.05	-13.52	-21.80	0.1757	No Trend
SBE5	Annual	0.0069	-1.20	57.37	-16.81	-29.30	0.8914	Improving
TF4.2	Annual	0.6874	-0.05	10.29	-0.83	-8.10	0.3866	No Trend
RET4.3	Annual	0.9260	0.01	34.81	0.22	0.64	0.8215	No Trend
WE4.2	Annual	0.8500	-0.09	50.54	-1.40	-2.77	0.2640	No Trend
TF3.3	Annual	0.0640	0.98	51.88	15.66	30.19	0.9411	No Trend
RET3.1	Annual	0.0356	1.46	65.84	23.28	35.36	0.9277	Degrading
LE3.6	Annual	0.7775	-0.14	34.88	-2.28	-6.54	0.3063	No Trend
CB6.1	Annual	0.5098	-0.28	23.89	-4.51	-18.86	0.7371	No Trend
CB6.4	Annual	0.7748	-0.19	30.47	-3.01	-9.87	0.4551	No Trend
CB7.3E	Annual	0.5056	-0.24	20.48	-3.84	-18.73	0.7308	No Trend
CB7.4	Annual	0.1193	0.37	15.95	5.86	36.75	0.9098	No Trend
TF5.5	Fall	0.0462	3.66	30.81	58.49	189.84	0.9788	Degrading
RET5.2	Fall	0.0002	-4.39	95.99	-70.21	-73.14	0.0390	Improving
LE5.5	Fall	0.6110	0.46	43.17	7.41	17.17	0.1771	No Trend
SBE5	Fall	0.6354	-0.11	14.56	-1.57	-10.79	0.8255	No Trend
TF4.2	Fall	0.6182	0.19	9.94	3.05	30.71	0.6366	No Trend
RET4.3	Fall	0.6628	0.27	17.10	4.38	25.62	0.9375	No Trend
WE4.2	Fall	0.8906	0.19	41.40	3.06	7.39	0.2387	No Trend
TF3.3	Fall	0.0708	1.78	18.56	28.47	153.43	0.9386	No Trend
RET3.1	Fall	0.4547	0.97	30.03	15.46	51.47	0.8050	No Trend
LE3.6	Fall	0.7328	0.30	26.71	4.76	17.82	0.8623	No Trend
CB6.1	Fall	0.8838	0.07	21.30	1.05	4.94	0.9468	No Trend
CB6.4	Fall	0.9101	-0.19	37.23	-3.11	-8.36	0.8189	No Trend
CB7.3E	Fall	0.7290	-0.17	34.59	-2.69	-7.79	0.5811	No Trend
CB7.4	Fall	0.0320	0.73	16.45	11.64	70.79	0.8779	Degrading
TF5.5	SAV1	0.7377	-0.71	186.78	-11.42	-6.11	0.7375	No Trend
RET5.2	SAV1	0.0000	-5.27	156.71	-84.32	-53.81	0.1549	Improving
LE5.5	SAV1	0.5312	-0.62	71.80	-9.86	-13.73	0.8587	No Trend
SBE5	SAV1	0.0024	-2.57	74.16	-35.91	-48.42	0.9992	Improving
TF4.2	SAV1	0.4168	-0.19	27.86	-3.09	-11.09	0.1778	No Trend
RET4.3	SAV1	0.6102	-0.43	66.03	-6.90	-10.45	0.7061	No Trend
WE4.2	SAV1	0.5270	0.42	52.94	6.68	12.61	0.5163	No Trend
TF3.3	SAV1	0.2990	1.23	94.74	19.62	20.71	0.8663	No Trend
RET3.1	SAV1	0.0361	2.28	80.30	36.42	45.35	0.8497	Degrading
LE3.6	SAV1	0.3326	0.65	33.63	10.41	30.95	0.6428	No Trend
CB6.1	SAV1	0.5100	0.44	14.36	7.06	49.15	0.9836	No Trend
CB6.4	SAV1	0.4578	0.33	24.89	5.24	21.04	0.6809	No Trend
CB7.3E	SAV1	0.9125	0.03	16.97	0.40	2.36	0.6698	No Trend
CB7.4	SAV1	0.4205	0.33	16.06	5.25	32.66	0.8467	No Trend

Appendix H. Continued.

Station	Season	P value	Slope	Baseline	Absolute Change	% Change	Homogeneit y test P value	Direction
TF5.5	SAV2	0.4642	0.41	33.23	6.61	19.88	0.3405	No Trend
RET5.2	SAV2	0.5337	-0.42	45.59	-6.76	-14.84	0.2986	No Trend
LE5.5	SAV2	0.5199	-0.44	37.16	-7.06	-19.00	0.7793	No Trend
SBE5	SAV2	0.2168	-0.67	35.95	-10.66	-29.64	0.7749	No Trend
TF4.2	SAV2	0.2766	0.23	27.70	3.74	13.49	0.7284	No Trend
RET4.3	SAV2	0.8277	0.06	35.95	0.94	2.61	0.8727	No Trend
WE4.2	SAV2	0.4404	-0.42	37.87	-6.76	-17.86	0.8493	No Trend
TF3.3	SAV2	0.4706	0.32	37.90	5.17	13.63	0.8151	No Trend
RET3.1	SAV2	0.5986	0.32	37.90	5.17	13.63	0.8305	No Trend
LE3.6	SAV2	0.4464	-0.45	34.01	-7.21	-21.21	0.5416	No Trend
CB6.1	SAV2	0.4464	-0.45	30.24	-7.21	-23.86	0.5906	No Trend
CB6.4	SAV2	0.7971	0.07	24.44	1.15	4.71	0.9594	No Trend
CB7.3E	SAV2	0.9361	-0.09	23.15	-1.41	-6.07	0.7315	No Trend
CB7.4	SAV2	1.0000	0.00	24.44	-0.07	-0.28	0.9723	No Trend
TF5.5	Spring1	0.2344	1.71	96.93	25.62	26.43	0.1151	No Trend
RET5.2	Spring1	0.3594	-2.30	155.08	-34.53	-22.26	0.0813	No Trend
LE5.5	Spring1	0.3607	-1.39	49.43	-20.82	-42.12	0.4795	No Trend
SBE5	Spring1	0.0506	-2.75	83.55	-38.47	-46.04	0.9991	No Trend
TF4.2	Spring1	0.0822	0.46	6.81	6.88	100.95	0.7811	No Trend
RET4.3	Spring1	0.6918	0.41	89.93	6.10	6.79	0.6017	No Trend
WE4.2	Spring1	0.2593	-1.12	47.37	-16.86	-35.58	0.6782	No Trend
TF3.3	Spring1	0.2502	1.27	54.35	18.99	34.94	0.6593	No Trend
RET3.1	Spring1	0.3925	1.29	80.30	19.29	24.02	0.6064	No Trend
LE3.6	Spring1	0.2575	-0.99	40.46	-14.80	-36.59	0.2471	No Trend
CB6.1	Spring1	0.2575	-1.25	23.35	-18.74	-80.26	0.2813	No Trend
CB6.4	Spring1	0.6474	0.45	24.23	6.81	28.12	0.8993	No Trend
CB7.3E	Spring1	0.9498	-0.13	16.87	-1.96	-11.62	0.3484	No Trend
CB7.4	Spring1	0.9498	0.04	13.53	0.58	4.27	0.9131	No Trend
TF5.5	Spring2	0.3446	-3.76	304.78	-56.35	-18.49	0.7523	No Trend
RET5.2	Spring2	0.1070	-3.97	161.52	-59.58	-36.89	0.1717	No Trend
LE5.5	Spring2	0.6583	-0.46	49.43	-6.93	-14.01	0.5533	No Trend
SBE5	Spring2	0.0506	-2.88	83.55	-40.39	-48.34	0.9991	No Trend
TF4.2	Spring2	0.9245	0.03	61.91	0.45	0.73	0.0226	No Trend
RET4.3	Spring2	0.8744	-0.22	94.59	-3.25	-3.43	0.1815	No Trend
WE4.2	Spring2	0.9748	0.04	46.64	0.53	1.13	0.7651	No Trend
TF3.3	Spring2	0.7838	0.52	117.01	7.80	6.67	0.8552	No Trend
RET3.1	Spring2	0.3446	1.94	81.65	29.06	35.60	0.5865	No Trend
LE3.6	Spring2	0.8445	0.30	33.60	4.56	13.59	0.2882	No Trend
CB6.1	Spring2	0.5561	0.67	12.21	10.09	82.64	0.6540	No Trend
CB6.4	Spring2	0.7373	0.36	23.34	5.41	23.16	0.8323	No Trend
CB7.3E	Spring2	0.7058	0.49	16.87	7.31	43.33	0.4874	No Trend
CB7.4	Spring2	1.0000	0.00	20.46	-0.05	-0.23	0.9404	No Trend

Appendix H. Continued.

Station	Season	P value	Slope	Baseline	Absolute Change	% Change	Homogeneity test P value	Direction
TF5.5	Summer1	0.4135	-3.01	376.57	-48.09	-12.77	0.6110	No Trend
RET5.2	Summer1	0.0024	-4.63	168.76	-74.02	-43.86	0.5957	Improving
LE5.5	Summer1	0.9450	0.04	83.03	0.62	0.75	0.9685	No Trend
SBE5	Summer1	0.0107	-3.25	126.56	-45.48	-35.94	0.9922	Improving
TF4.2	Summer1	0.0360	-1.23	35.38	-19.68	-55.62	0.6184	Improving
RET4.3	Summer1	0.2084	-1.48	102.29	-23.75	-23.22	0.7040	No Trend
WE4.2	Summer1	0.0833	1.60	78.75	25.53	32.42	0.8265	No Trend
TF3.3	Summer1	0.5960	0.94	91.25	15.11	16.56	0.5973	No Trend
RET3.1	Summer1	0.0583	2.44	79.71	39.02	48.95	0.7180	No Trend
LE3.6	Summer1	0.1273	1.05	34.56	16.80	48.61	0.8715	No Trend
CB6.1	Summer1	0.4312	0.73	12.34	11.66	94.48	0.9149	No Trend
CB6.4	Summer1	0.4476	0.36	30.84	5.84	18.93	0.3305	No Trend
CB7.3E	Summer1	0.9450	-0.12	16.66	-1.92	-11.53	0.4806	No Trend
CB7.4	Summer1	0.5045	0.36	13.97	5.68	40.70	0.5920	No Trend
TF5.5	Summer2	0.7621	-1.28	228.22	-20.53	-9.00	0.5931	No Trend
RET5.2	Summer2	0.0025	-4.81	175.35	-76.89	-43.85	0.5711	Improving
LE5.5	Summer2	0.8761	0.18	93.98	2.80	2.98	0.9000	No Trend
SBE5	Summer2	0.0221	-3.42	126.56	-47.93	-37.87	0.9625	Improving
TF4.2	Summer2	0.2038	-0.81	17.39	-12.91	-74.23	0.8548	No Trend
RET4.3	Summer2	0.5433	-0.85	72.71	-13.64	-18.75	0.8880	No Trend
WE4.2	Summer2	0.1024	1.76	64.61	28.16	43.59	0.6672	No Trend
TF3.3	Summer2	0.4947	1.37	85.46	21.99	25.73	0.4293	No Trend
RET3.1	Summer2	0.0878	2.24	71.81	35.88	49.96	0.5153	No Trend
LE3.6	Summer2	0.1773	1.05	34.88	16.80	48.16	0.7024	No Trend
CB6.1	Summer2	0.6797	0.35	18.63	5.55	29.79	0.9293	No Trend
CB6.4	Summer2	0.3233	0.54	30.84	8.71	28.24	0.2317	No Trend
CB7.3E	Summer2	0.9585	-0.12	16.66	-1.85	-11.13	0.2908	No Trend
CB7.4	Summer2	0.5327	0.36	13.97	5.71	40.88	0.3873	No Trend
TF5.5	Winter	0.8462	0.05	7.58	0.56	7.32	0.4379	No Trend
RET5.2	Winter	0.6981	-0.17	14.78	-2.05	-13.88	0.3322	No Trend
LE5.5	Winter	0.0011	-5.18	77.78	-77.75	-99.95	0.4859	Improving
SBE5	Winter	1.0000	-0.12	59.96	-1.61	-2.68	0.1674	No Trend
TF4.2	Winter	0.4972	-0.08	8.83	-0.95	-10.74	0.7711	No Trend
RET4.3	Winter	0.1458	1.10	16.57	13.26	79.99	0.9227	No Trend
WE4.2	Winter	0.0308	-3.09	83.31	-46.33	-55.61	0.5630	Improving
TF3.3	Winter	0.9590	0.05	14.40	0.59	4.12	0.7195	No Trend
RET3.1	Winter	0.7187	0.28	29.03	3.33	11.47	0.2249	No Trend
LE3.6	Winter	0.0222	-1.93	50.25	-28.94	-57.60	0.3208	Improving
CB6.1	Winter	0.0710	-1.57	42.48	-23.53	-55.40	0.8111	No Trend
CB6.4	Winter	0.0132	-2.51	47.46	-37.59	-79.21	0.8163	Improving
CB7.3E	Winter	0.2650	-1.08	33.88	-16.27	-48.01	0.3093	No Trend
CB7.4	Winter	0.9415	0.05	16.34	0.78	4.80	0.6610	No Trend

Appendix I. Scatterplots of primary productivity.

List of Figures

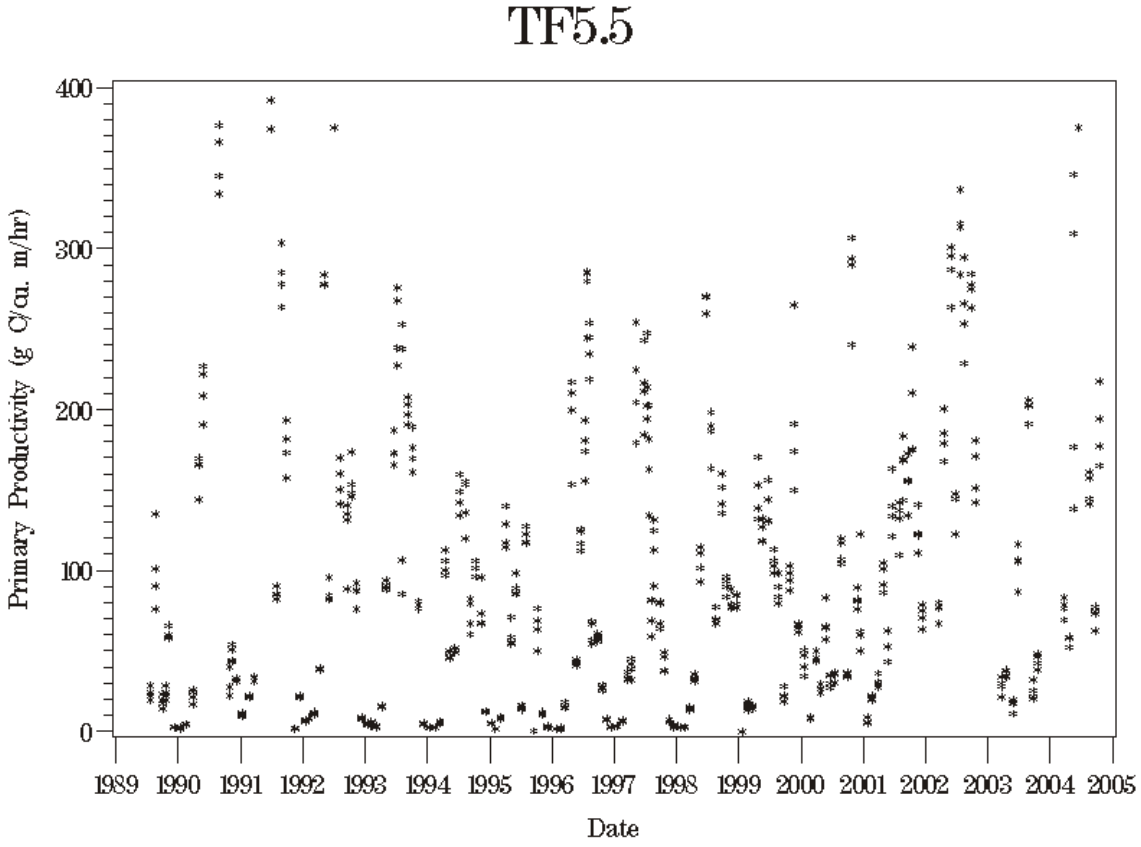

Figure I1. Plot of primary productivity against time at station TF5.5 for the period of 1989 through 2004.

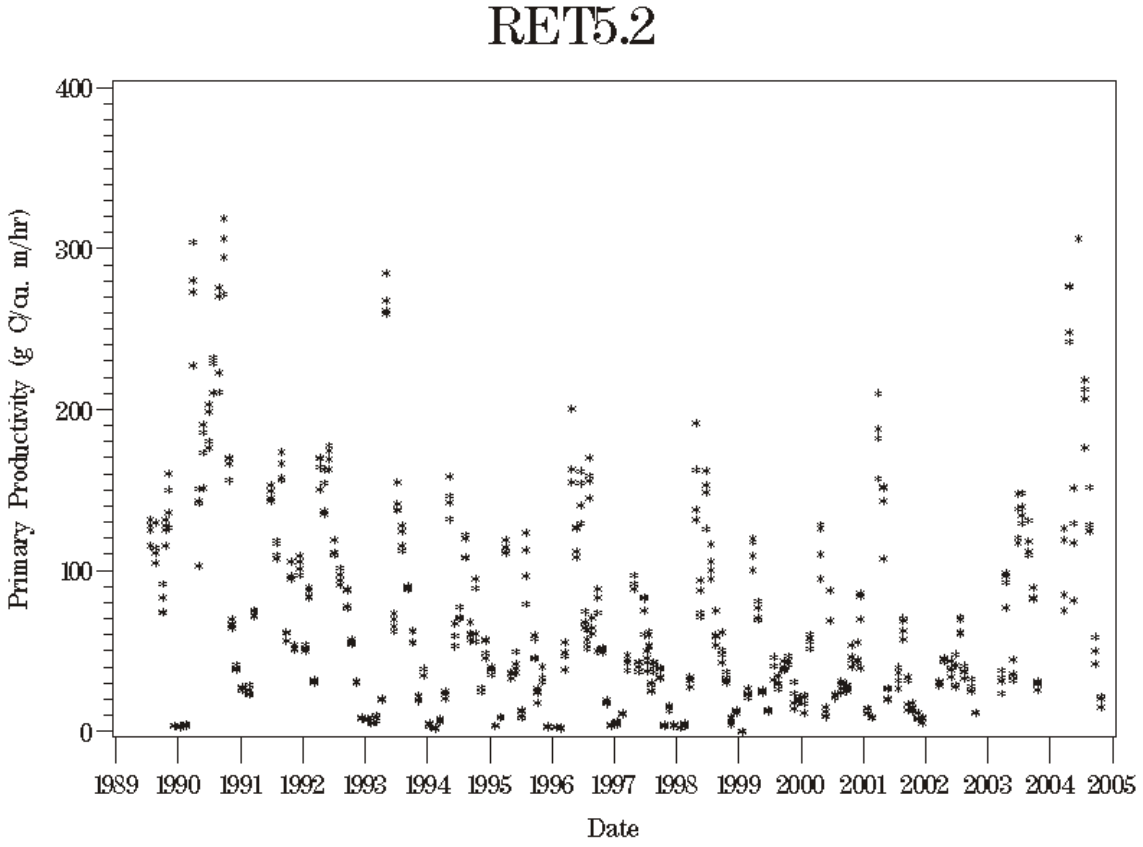

Figure I2. Plot of primary productivity against time at station RET5.2 for the period of 1989 through 2004.

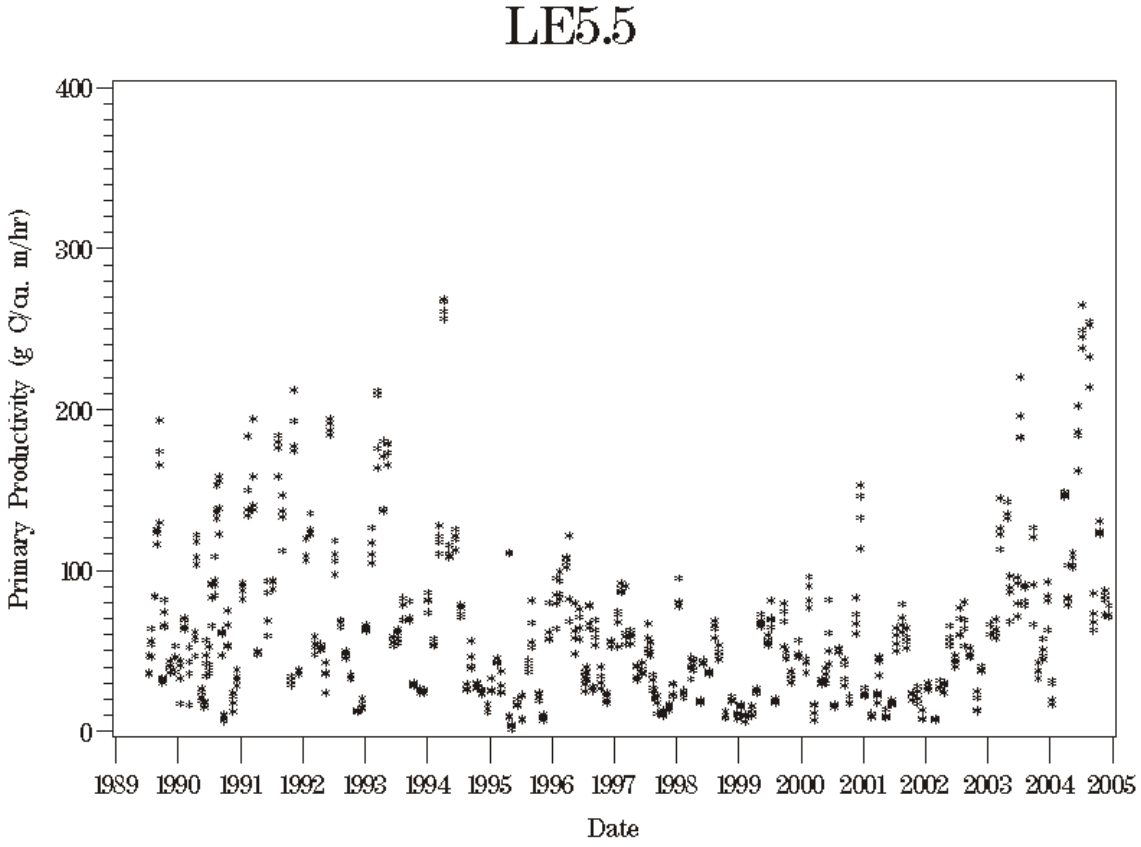

Figure I3. Plot of primary productivity against time at station LE5.5 for the period of 1989 through 2004.

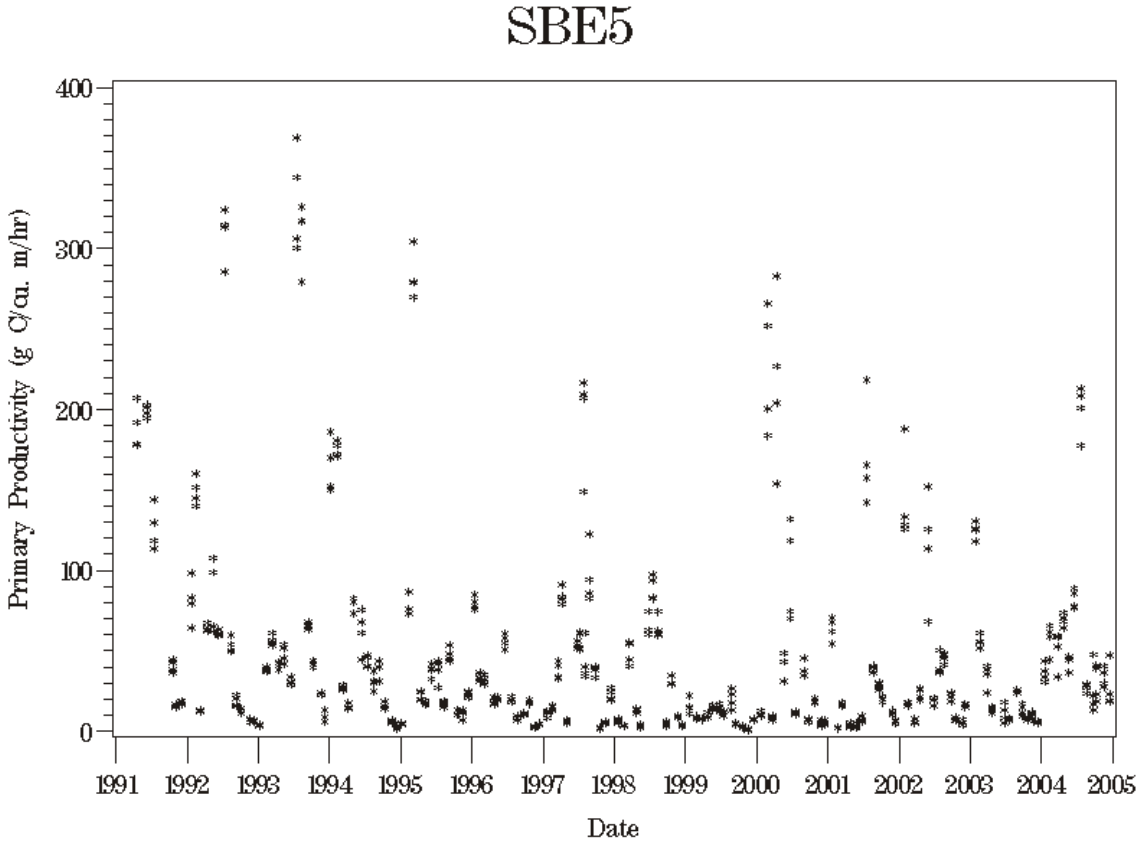

Figure I4. Plot of primary productivity against time at station SBE5 for the period of 1989 through 2004.

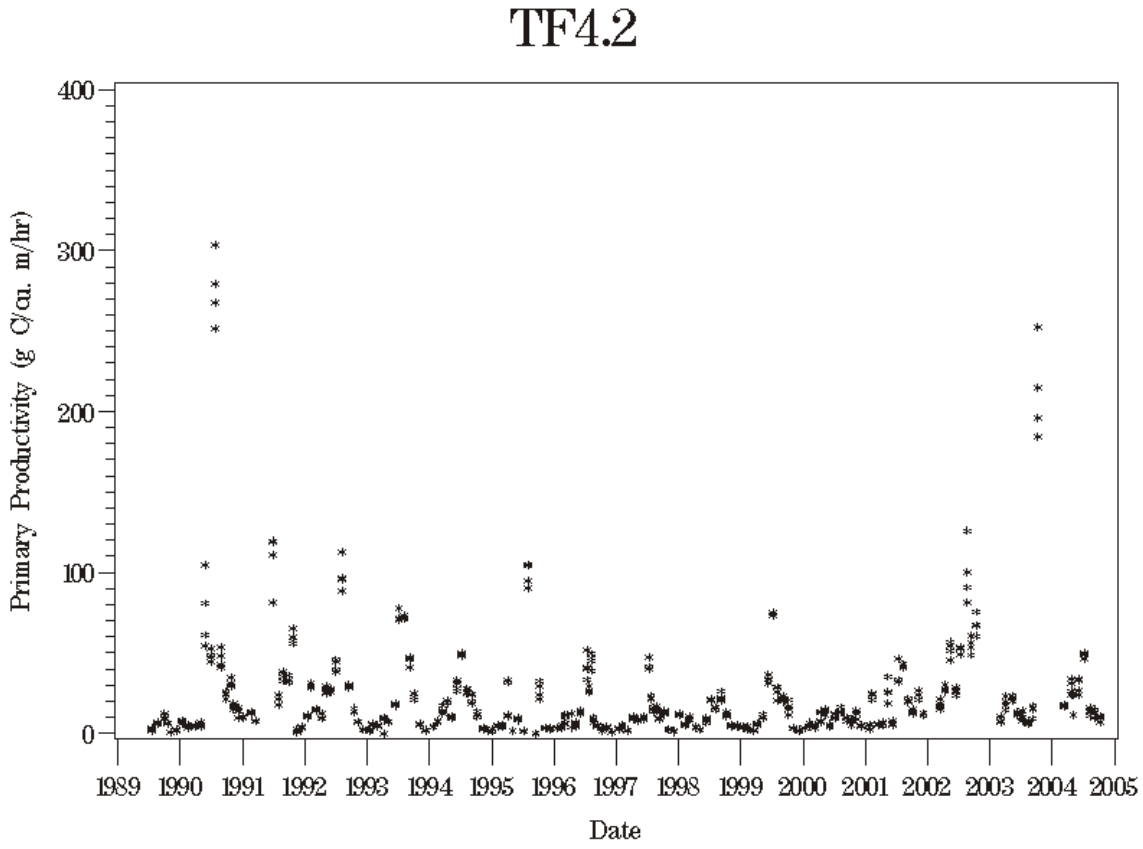

Figure I5. Plot of primary productivity against time at station TF4.2 for the period of 1989 through 2004.

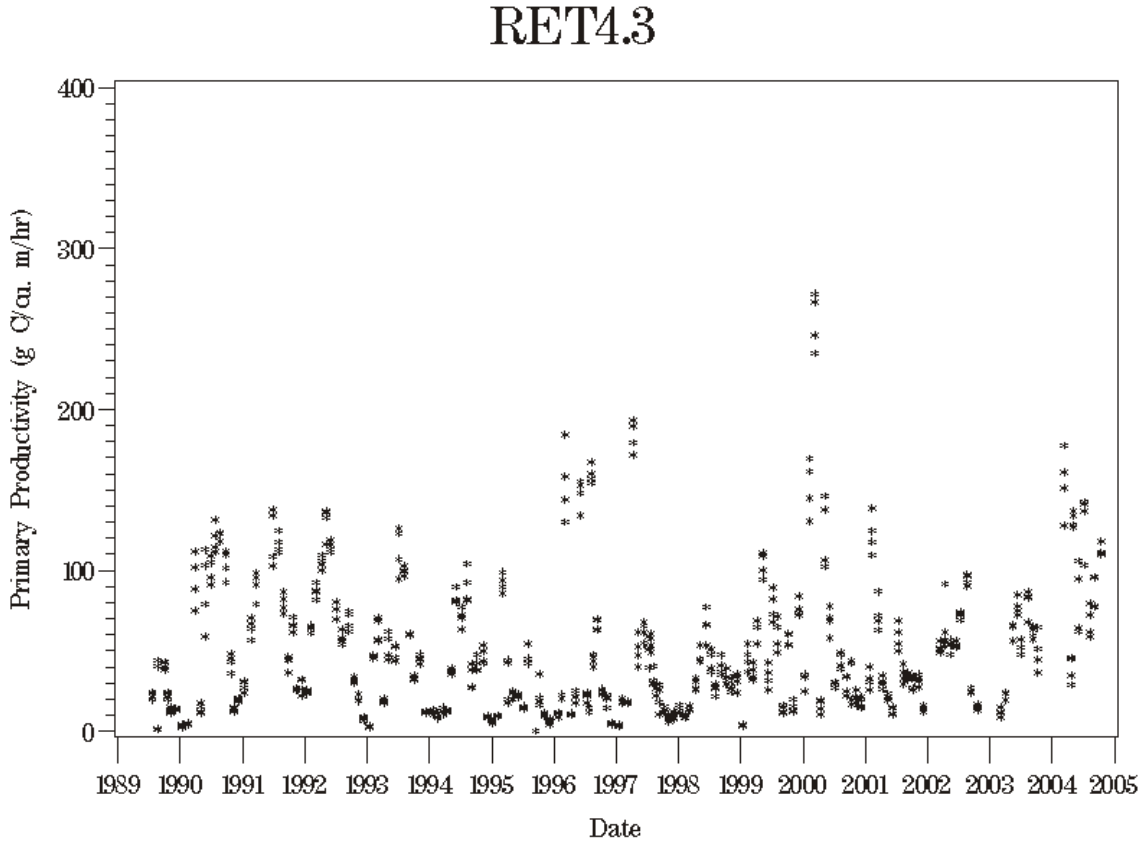

Figure I6. Plot of primary productivity against time at station RET4.3 for the period of 1989 through 2004.

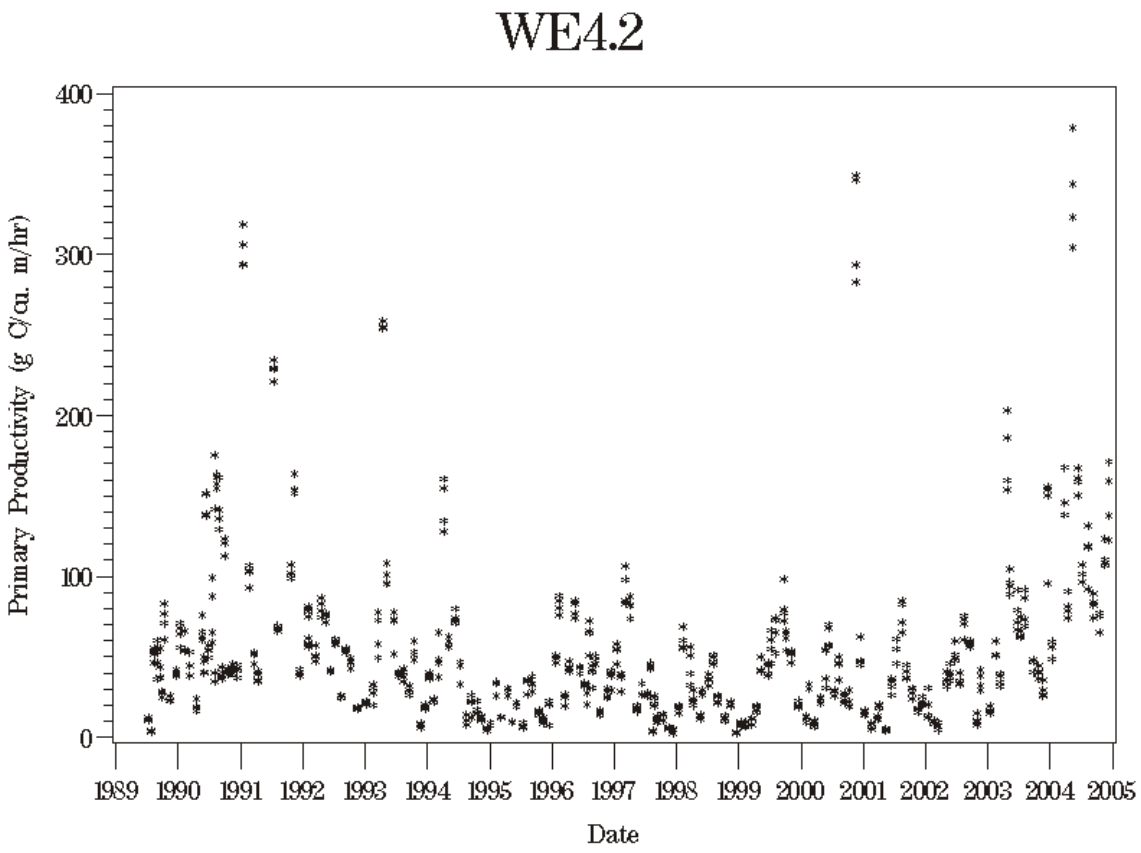

Figure I7. Plot of primary productivity against time at station WE4.2 for the period of 1989 through 2004.

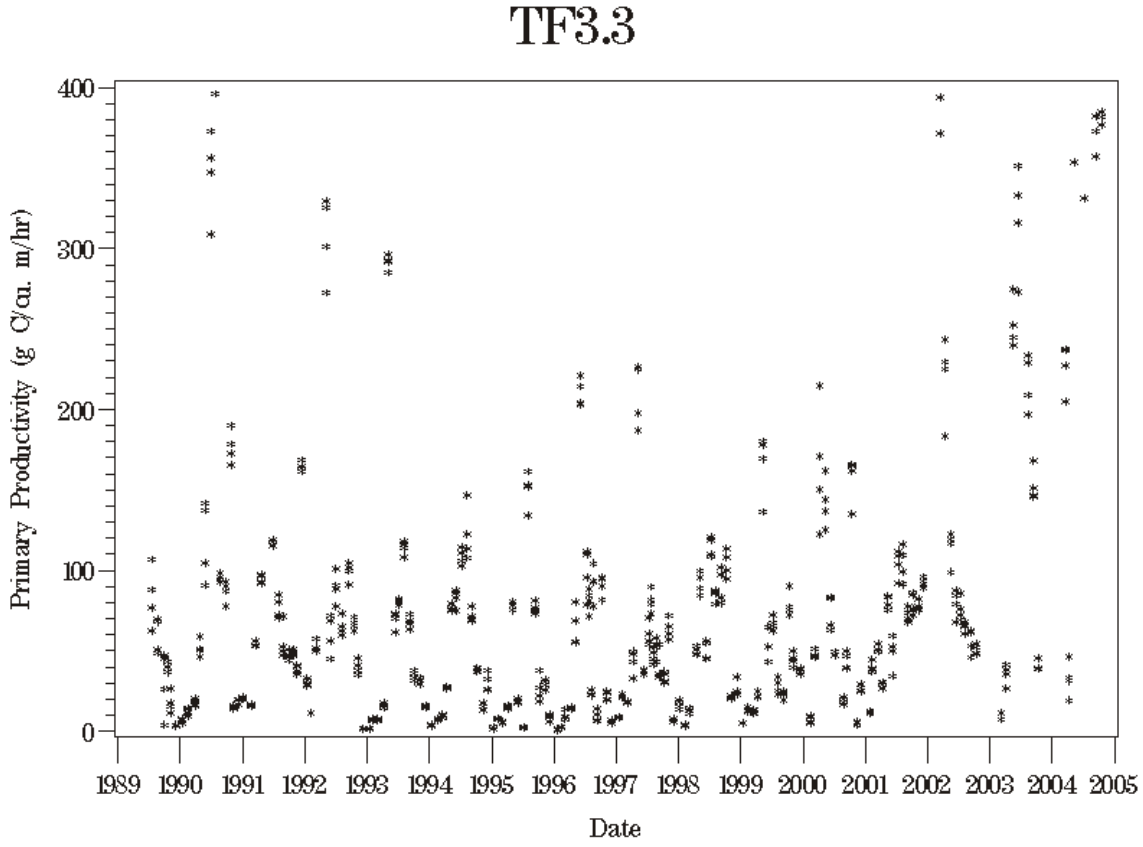

Figure I8. Plot of primary productivity against time at station TF3.3 for the period of 1989 through 2004.

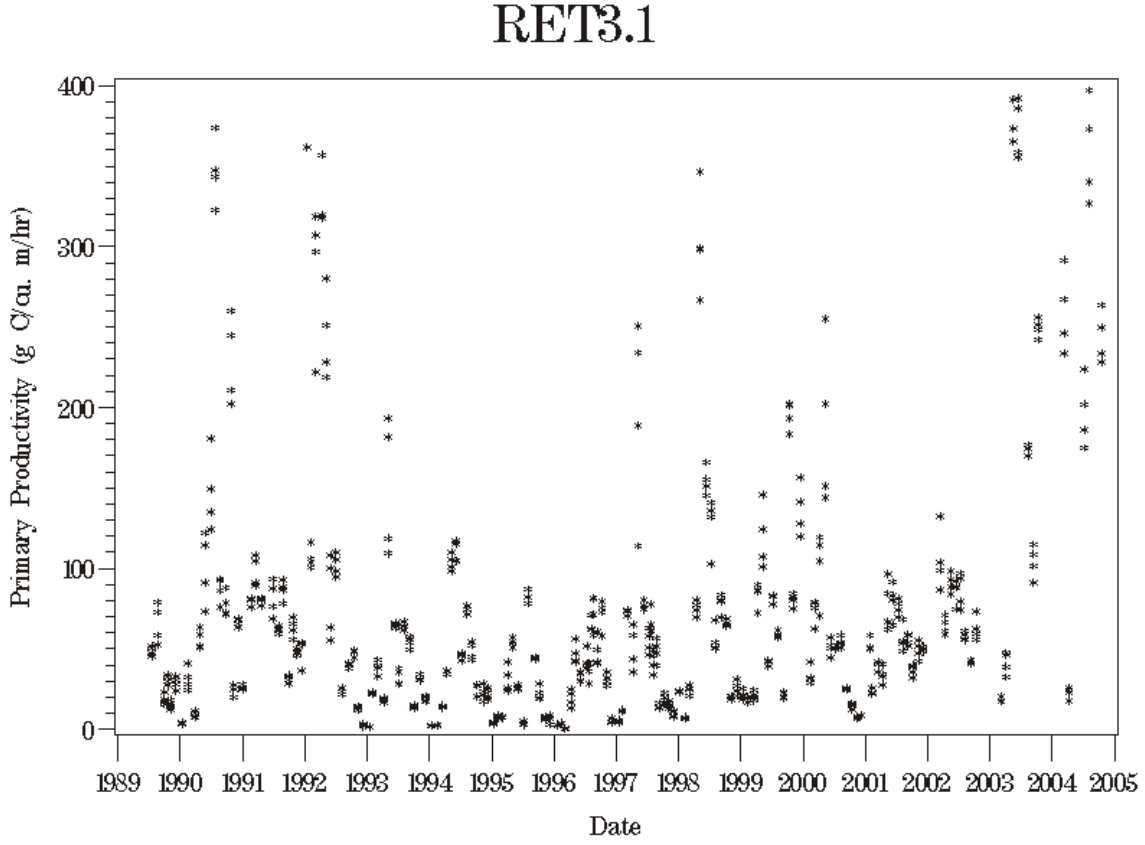

Figure I9. Plot of primary productivity against time at station RET3.1 for the period of 1989 through 2004.

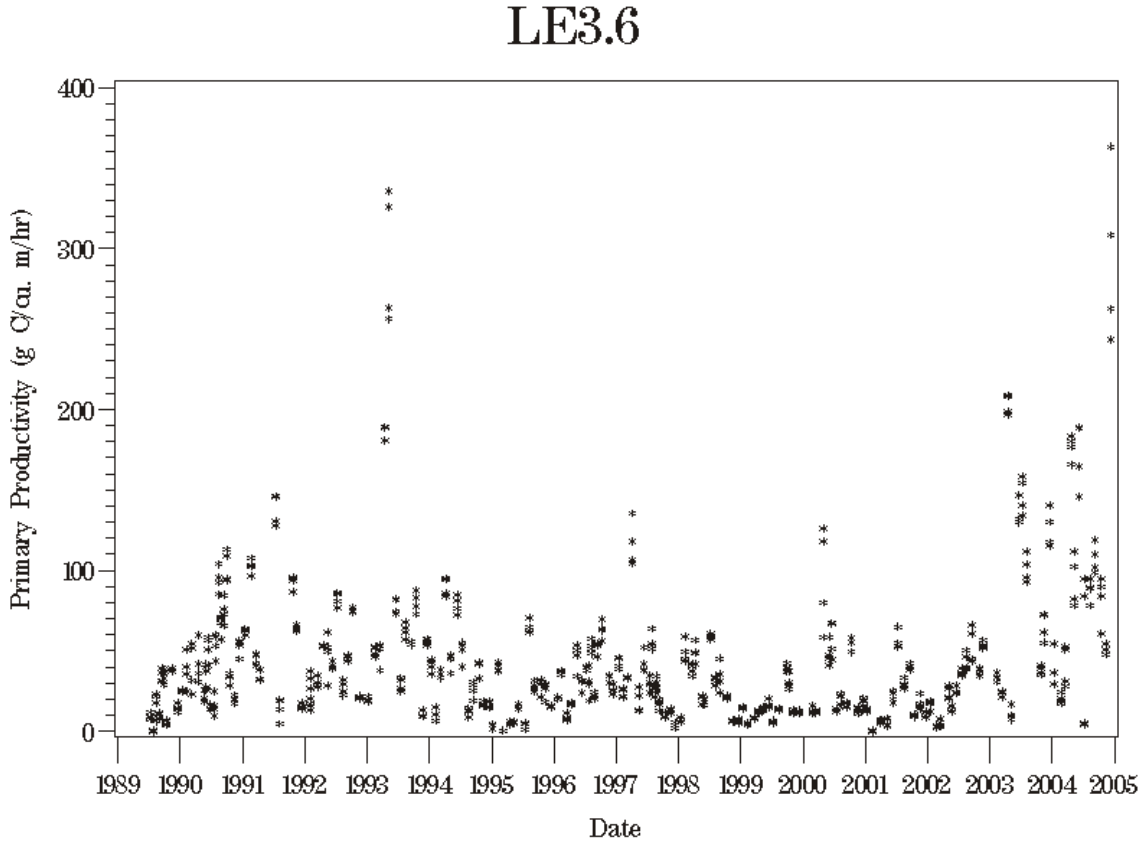

Figure I10. Plot of primary productivity against time at station LE3.6 for the period of 1989 through 2004.

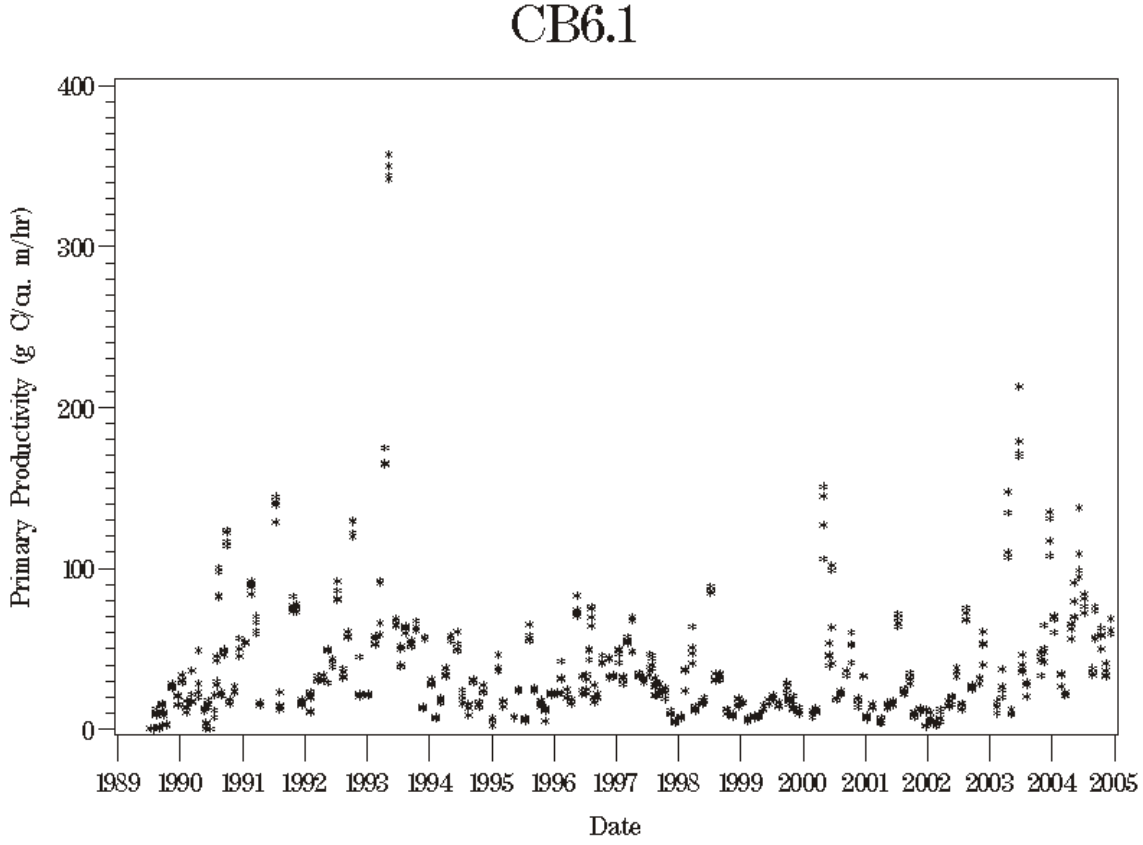

Figure I11. Plot of primary productivity against time at station CB6.1 for the period of 1989 through 2004.

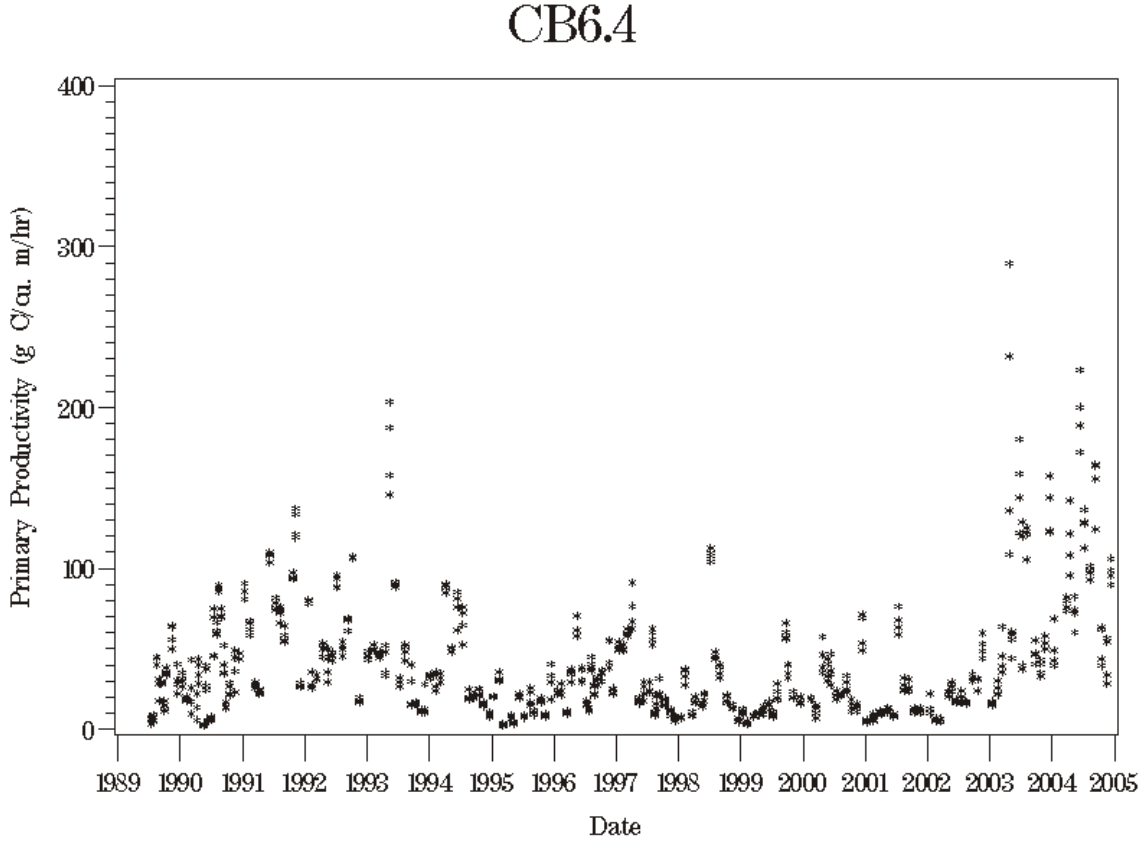

Figure I12. Plot of primary productivity against time at station CB6.4 for the period of 1989 through 2004.

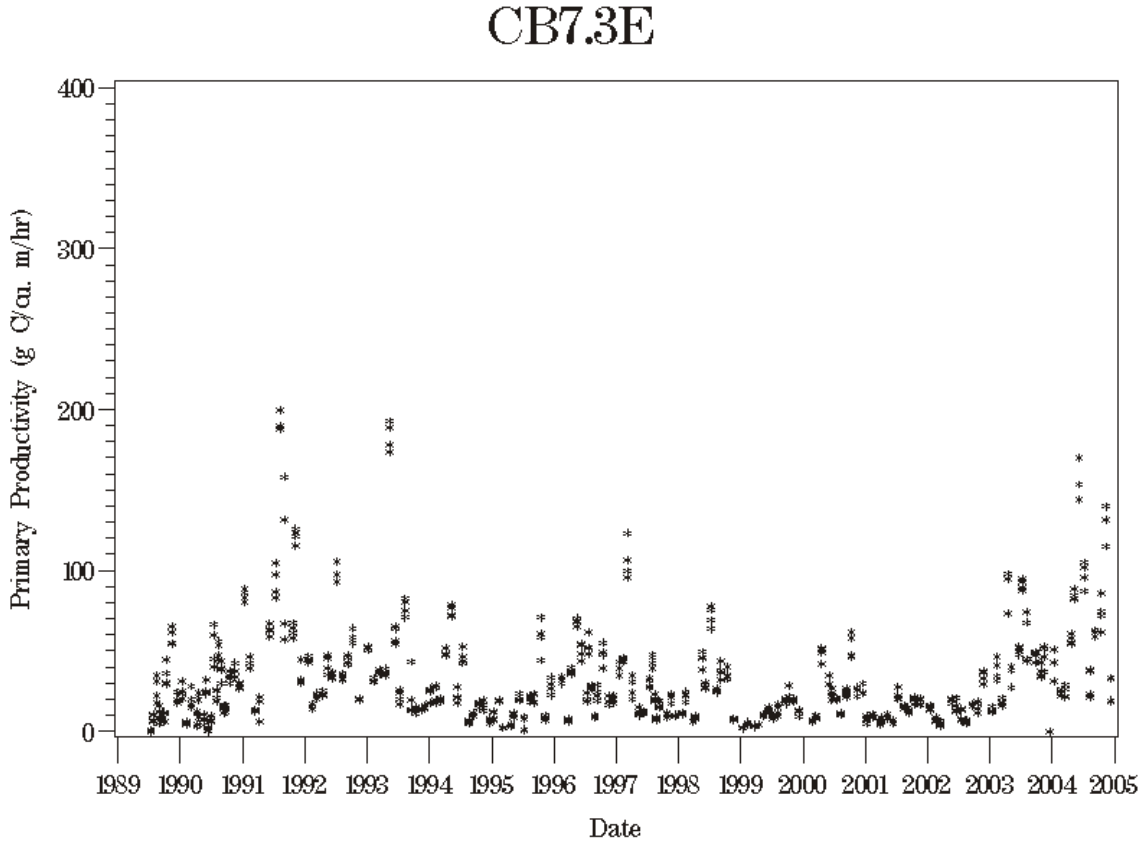

Figure I13. Plot of primary productivity against time at station CB7.3E for the period of 1989 through 2004.

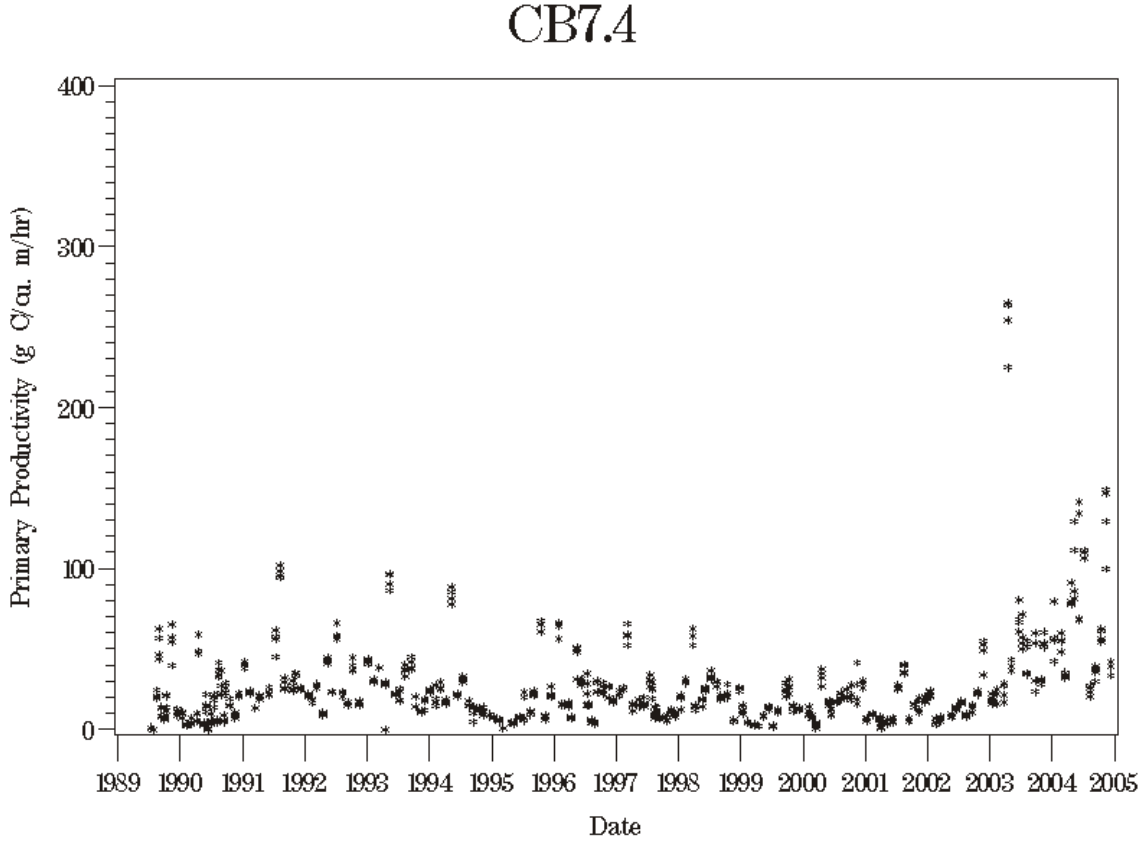

Figure I14. Plot of primary productivity against time at station CB7.4 for the period of 1989 through 2004.