

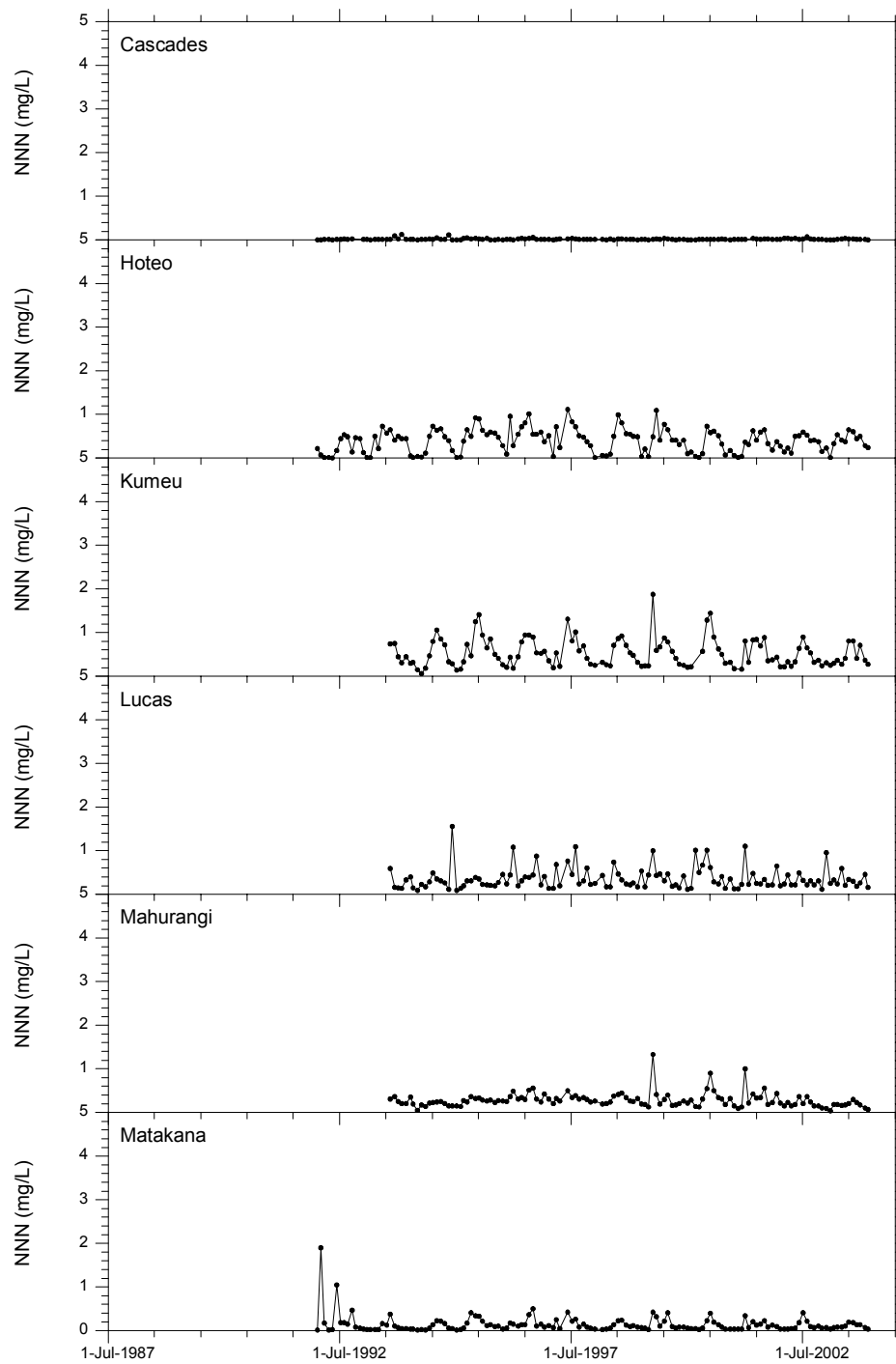
APPENDIX 10: FRESHWATER – NITRATE PLUS NITRITE NITROGEN

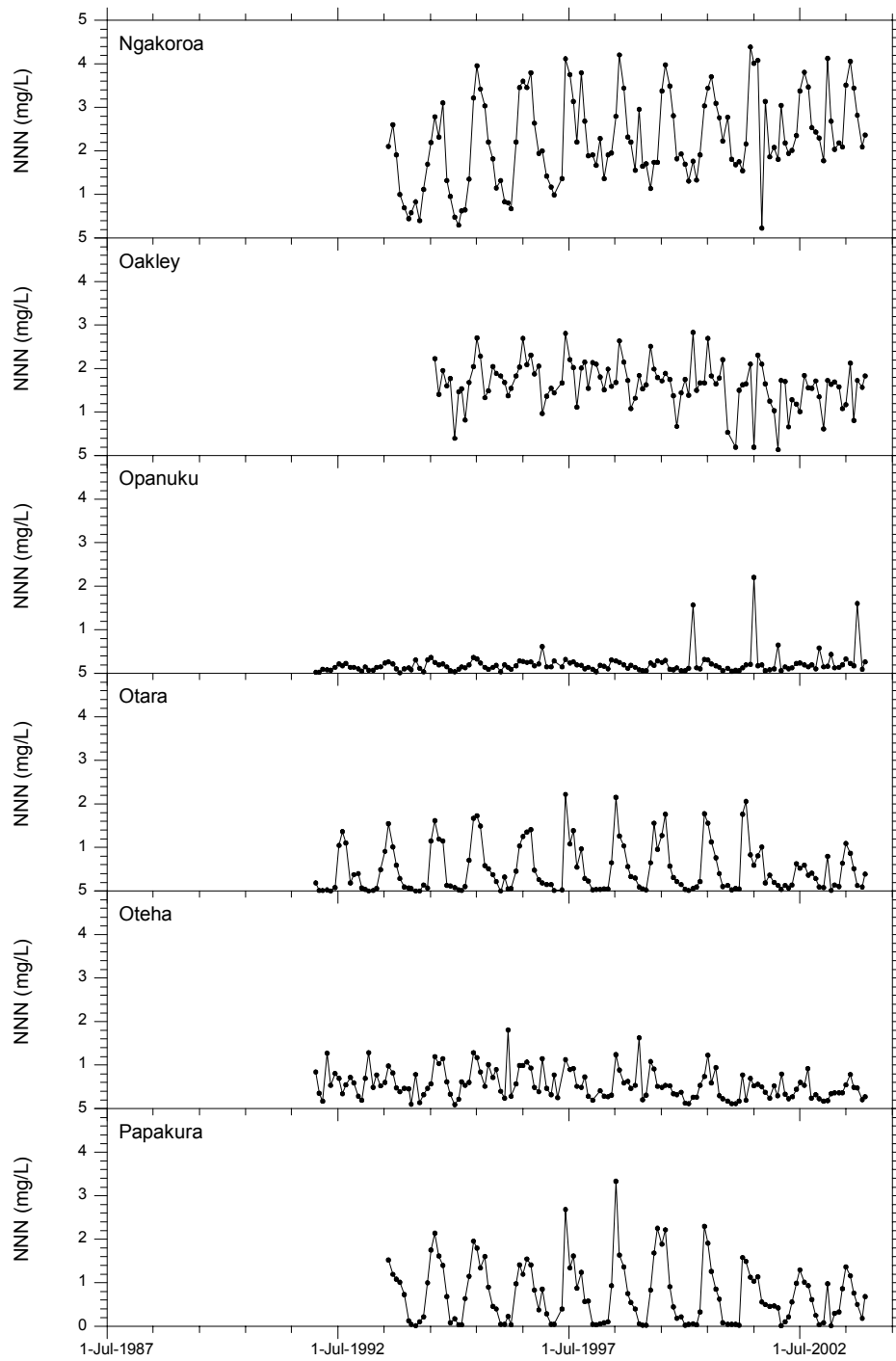
(Note that $\text{g/m}^3 = \text{g m}^{-3} = \text{mg/L}$)

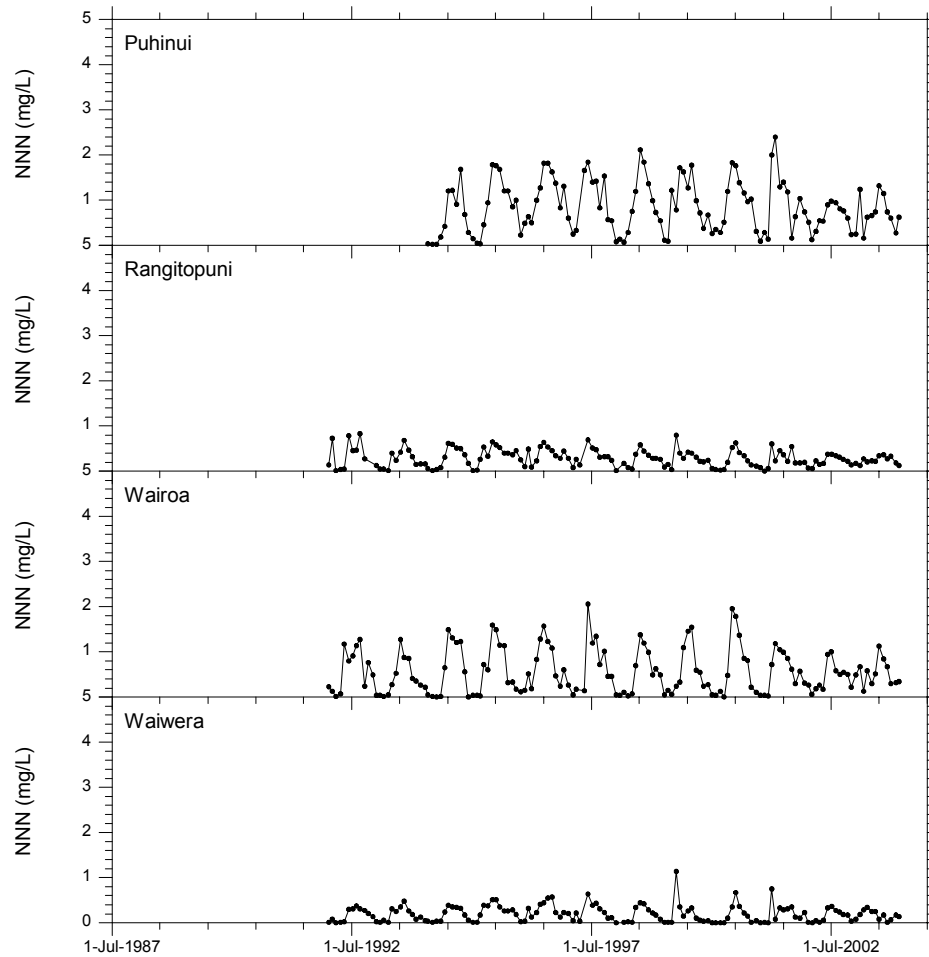
Nitrate plus nitrite nitrogen (mg/L) for the period January 2003 to December 2003																
Date	Cascades	Hoteo	Kumeu	Lucas	Mahurangi	Matakana	Ngakoroa	Oakley	Opanuku	Otara	Oteha	Papakura	Puhinui	Rangitopuni	Wairoa	Waiwera
7-Jan-03	0.002	0.224	0.304	0.957	0.098	0.067	1.770	0.618	0.147	0.086	0.169	0.079	0.251	0.172	0.484	0.079
4-Feb-03	0.004	0.018	0.248	0.252	0.031	0.030	4.120	1.730	0.164	0.798	0.178	0.981	1.240	0.120	0.669	0.177
4-Mar-03	0.006	0.328	0.298	0.332	0.179	0.068	2.680	1.640	0.429	0.015	0.344	0.022	0.160	0.271	0.118	0.294
1-Apr-03	0.009	0.528	0.364	0.238	0.186	0.076	2.040	1.700	0.126	0.136	0.358	0.300	0.623	0.205	0.577	0.340
6-May-03	0.026	0.412	0.269	0.590	0.162	0.075	2.190	1.580	0.143	0.111	0.365	0.330	0.660	0.231	0.302	0.252
4-Jun-03	0.035	0.383	0.409	0.211	0.173	0.098	2.090	1.080	0.199	0.637	0.355	0.869	0.736	0.218	0.521	0.254
1-Jul-03	0.022	0.653	0.807	0.339	0.205	0.195	3.520	1.170	0.326	1.090	0.551	1.360	1.320	0.335	1.120	0.076
7-Aug-03	0.025	0.596	0.807	0.299	0.295	0.191	4.060	2.130	0.228	0.870	0.791	1.160	1.150	0.372	0.836	0.172
2-Sep-03	0.014	0.448	0.405	0.193	0.228	0.144	3.440	0.811	0.166	0.522	0.493	0.756	0.741	0.278	0.667	0.005
30-Sep-03	0.016	0.498	0.711	0.264	0.171	0.136	2.820	1.730	1.610	0.128	0.478	0.495	0.610	0.325	0.302	0.067
4-Nov-03	0.017	0.287	0.361	0.462	0.098	0.069	2.090	1.570	0.093	0.090	0.206	0.176	0.269	0.179	0.317	0.166
1-Dec-03	0.004	0.240	0.278	0.161	0.069	0.041	2.360	1.830	0.259	0.387	0.266	0.676	0.617	0.133	0.337	0.141
Median	0.015	0.398	0.363	0.282	0.172	0.076	2.520	1.610	0.183	0.262	0.357	0.586	0.642	0.225	0.503	0.169
IQR/median %	115	58	53	49	54	93	54	36	71	219	65	107	50	50	70	103

NB: The dates given are for sites N1-N9. Sites S1-S7 were sampled on 8-Jan, 5-Feb, 5-Mar, 2-Apr, 7-May, 5-Jun, 2-Jul, 6-Aug, 5-Sep, 29 Sep, 5-Nov and 3-Dec.

The graphs on the following pages show nitrate plus nitrite nitrogen results for the period August 1987 to December 2003 (where data available).







APPENDIX 11: FRESHWATER – TOTAL PHOSPHORUS

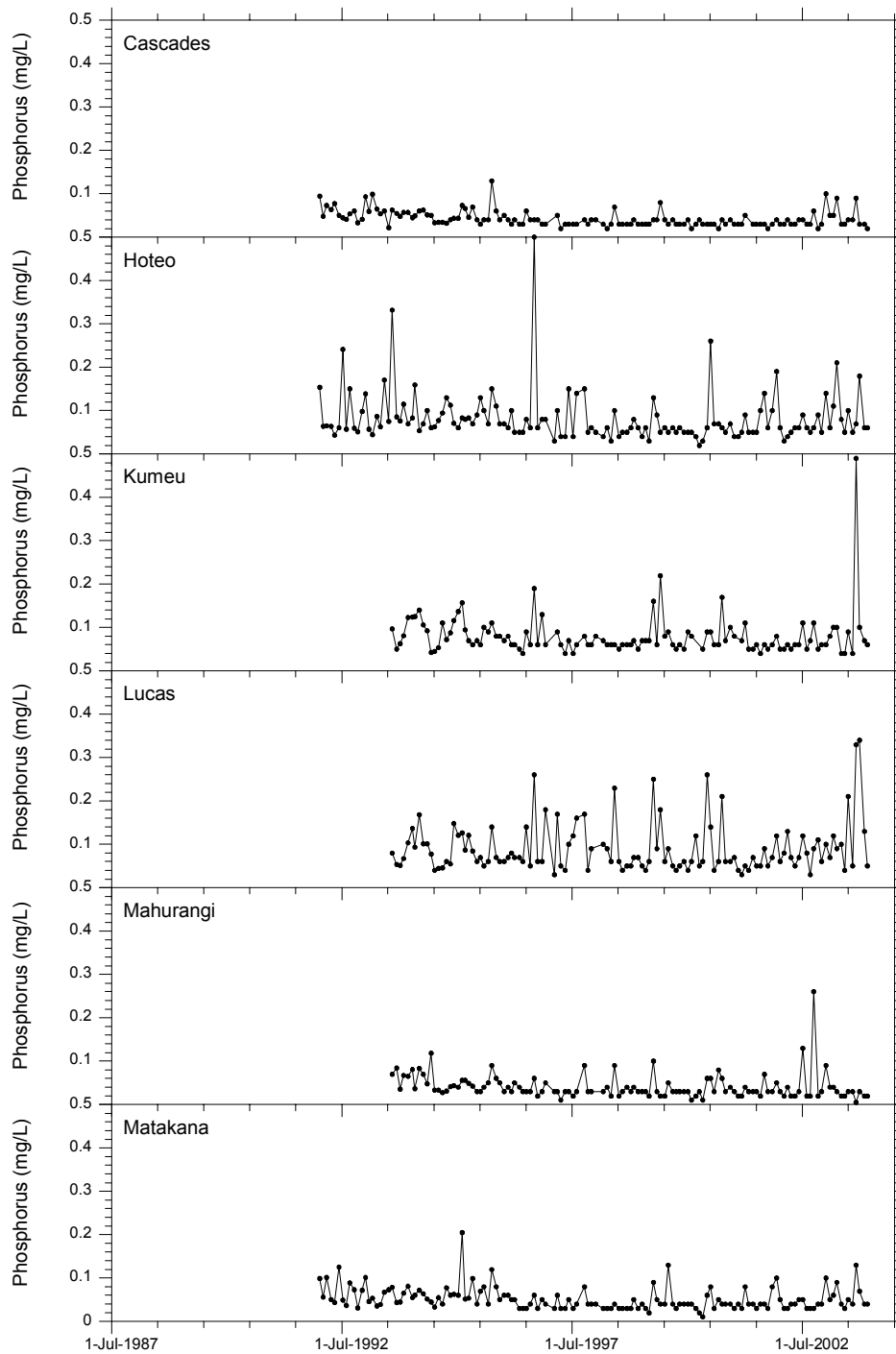
(Note that $\text{g/m}^3 = \text{g m}^{-3} = \text{mg/L}$)

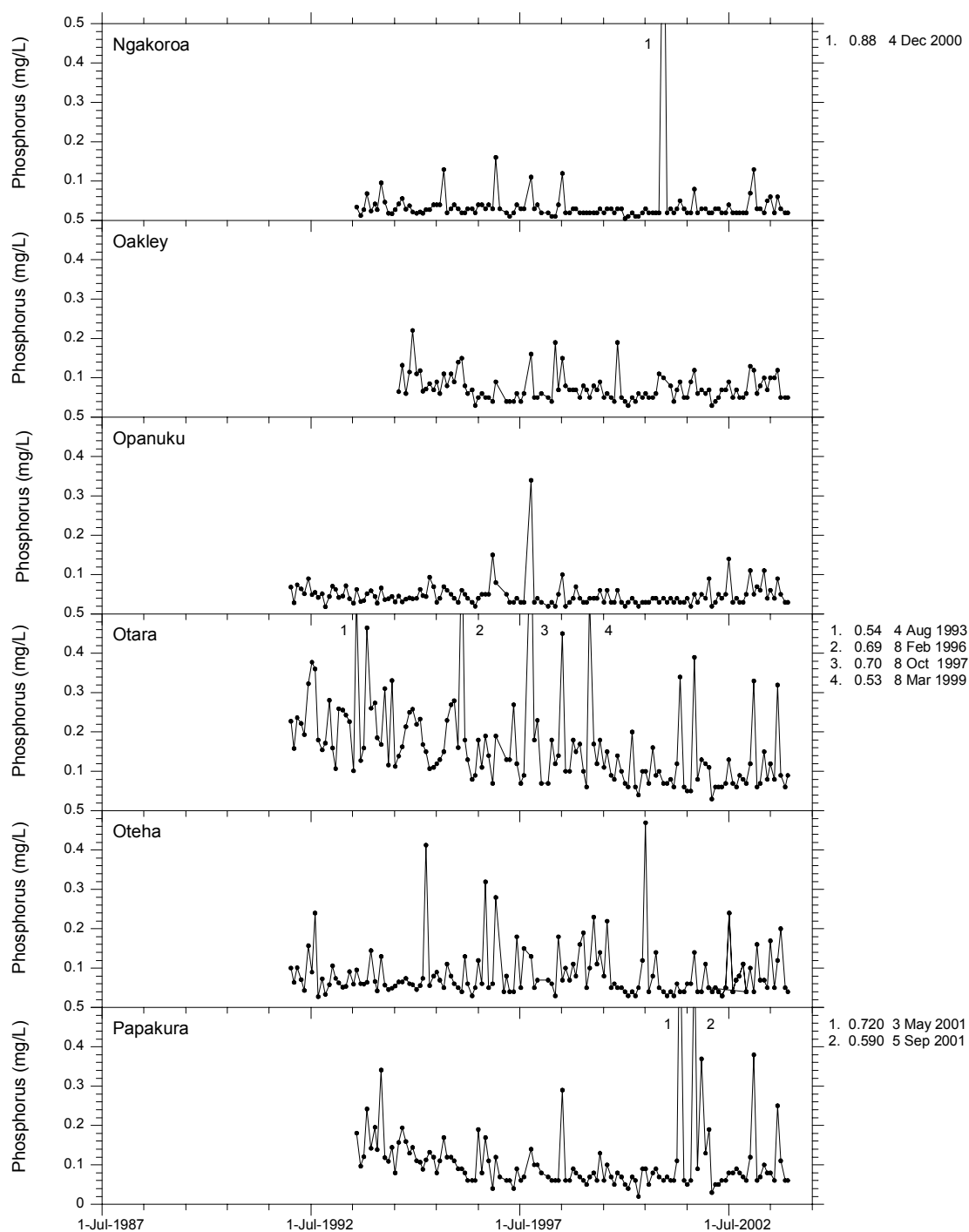
Total phosphorus (mg/L) for the period January 2003 to December 2003																
Date	Cascades	Hoteo	Kumeu	Lucas	Mahurangi	Matakana	Ngakoroa	Oakley	Opanuku	Otara	Oteha	Papakura	Puhinui	Rangitopuni	Wairoa	Waiwera
7-Jan-03	0.10	0.14	0.06	0.10	0.09	0.10	0.07	0.13	0.11	0.12	0.10	0.12	0.12	0.11	0.71	0.07
4-Feb-03	0.05	0.06	0.08	0.07	0.04	0.05	0.13	0.12	0.05	0.33	0.04	0.38	0.20	0.09	0.18	0.04
4-Mar-03	0.05	0.11	0.10	0.12	0.04	0.06	0.03	0.06	0.07	0.06	0.16	0.06	0.09	0.10	0.06	0.05
1-Apr-03	0.09	0.21	0.10	0.09	0.03	0.09	0.03	0.08	0.06	0.07	0.07	0.07	0.07	0.16	0.14	0.03
6-May-03	0.03	0.08	0.04	0.10	0.02	0.04	0.02	0.10	0.11	0.15	0.07	0.10	0.13	0.09	0.10	0.18
4-Jun-03	0.03	0.05	0.04	0.04	0.02	0.03	0.05	0.07	0.04	0.08	0.05	0.08	0.06	0.06	0.05	0.06
1-Jul-03	0.04	0.10	0.09	0.21	0.03	0.05	0.06	0.10	0.06	0.12	0.17	0.08	0.06	0.08	0.02	0.04
7-Aug-03	0.04	0.05	0.04	0.05	0.03	0.04	0.02	0.10	0.04	0.08	0.05	0.06	0.05	0.05	0.03	0.04
2-Sep-03	0.09	0.07	0.49	0.33	<0.01	0.13	0.06	0.12	0.09	0.32	0.12	0.25	0.11	0.07	0.31	0.05
30-Sep-03	0.03	0.18	0.10	0.34	0.03	0.07	0.03	0.05	0.05	0.09	0.20	0.11	0.06	0.12	0.06	0.07
4-Nov-03	0.03	0.06	0.07	0.13	0.02	0.04	0.02	0.05	0.03	0.06	0.05	0.06	0.05	0.05	0.04	0.08
1-Dec-03	0.02	0.06	0.06	0.05	0.02	0.04	0.02	0.05	0.03	0.09	0.04	0.06	0.08	0.06	0.03	0.04
Median	0.04	0.08	0.08	0.10	0.03	0.05	0.03	0.09	0.06	0.09	0.07	0.08	0.08	0.09	0.06	0.05
IQR/median %	75	77	60	85	42	70	133	53	64	56	114	66	70	50	188	60

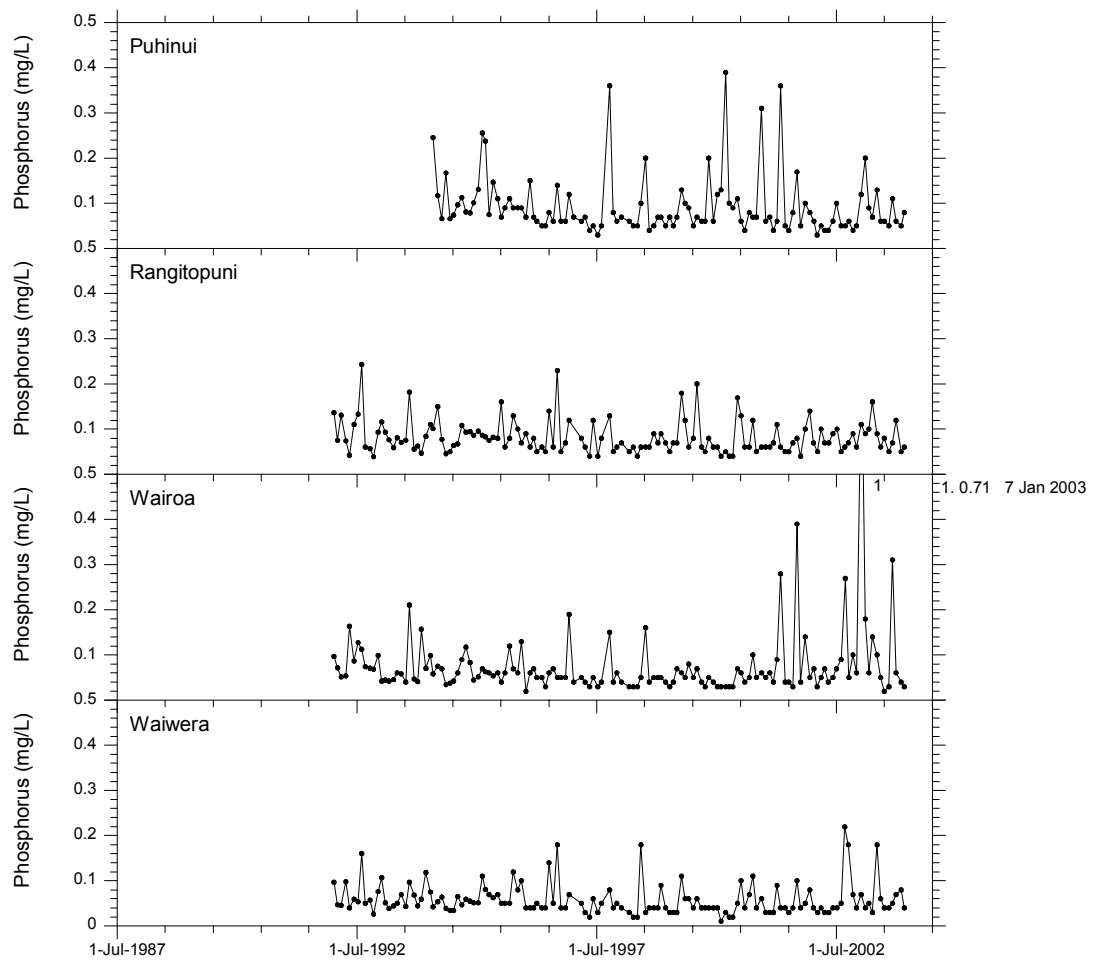
NB: The dates given are for sites N1-N9. Sites S1-S7 were sampled on 8-Jan, 5-Feb, 5-Mar, 2-Apr, 7-May, 5-Jun, 2-Jul, 6-Aug, 5-Sep, 29 Sep, 5-Nov and 3-Dec.

Method detection limit is 0.01 mg/L. For summary statistics, a result of “<0.01” is taken to have the value 0.005

The graphs on the following pages show total phosphorus results for the period August 1987 to December 2003 (where data available).







APPENDIX 12: FRESHWATER – DISSOLVED REACTIVE PHOSPHORUS

(Note that $\text{g/m}^3 = \text{g m}^{-3} = \text{mg/L}$)

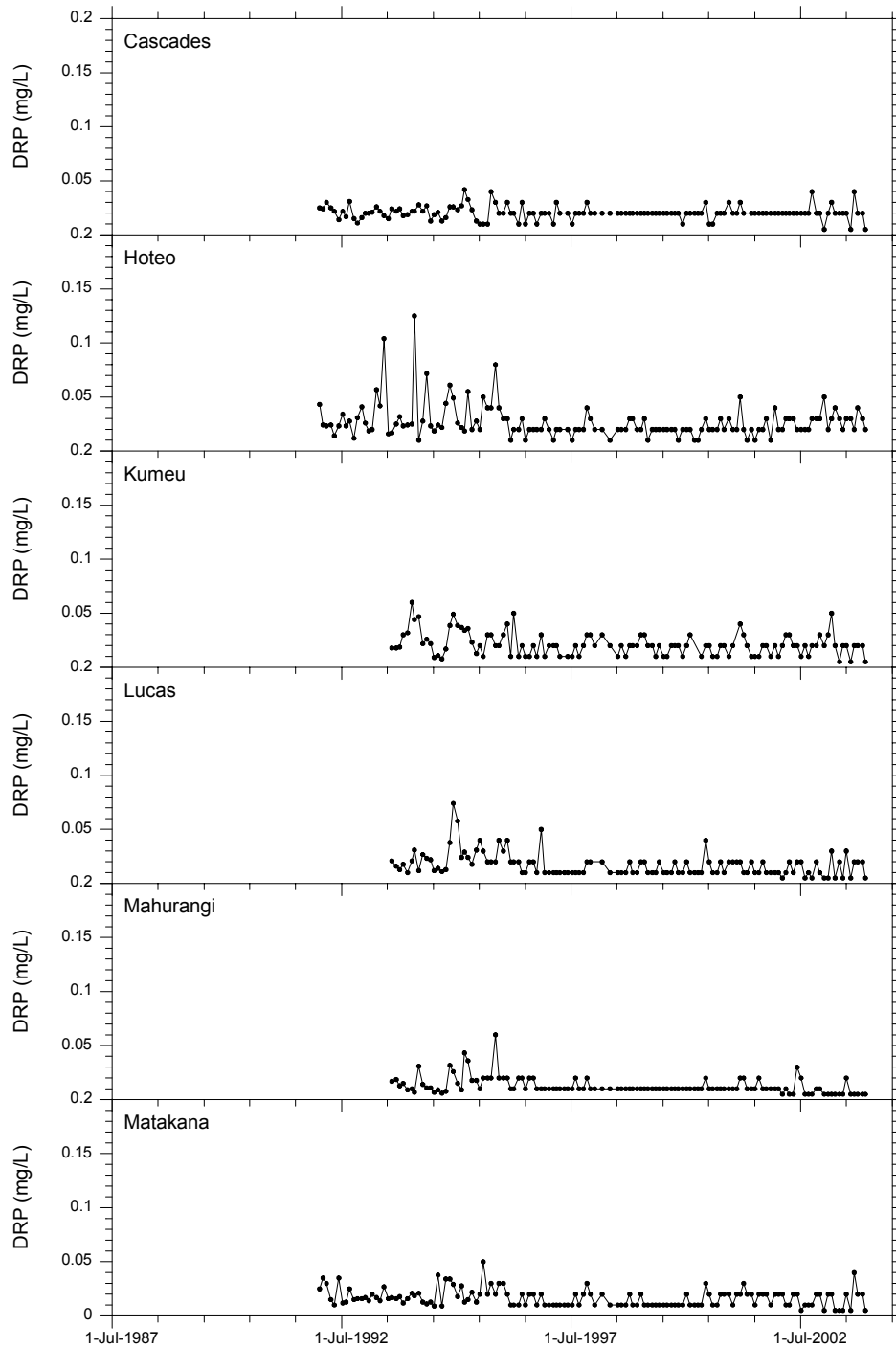
Dissolved reactive phosphorus (mg/L) for the period January 2003 to December 2003

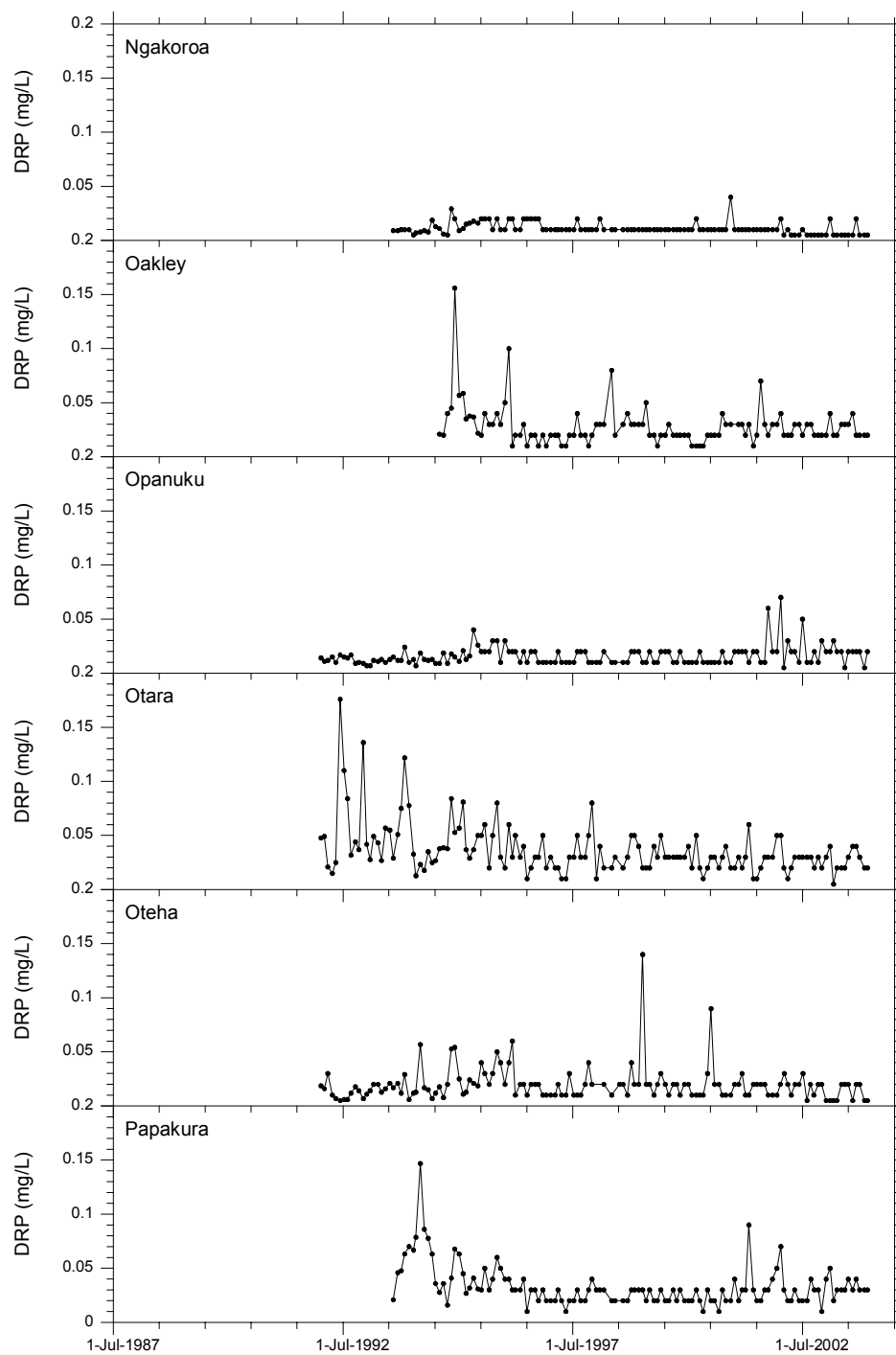
Date	Cascades	Hoteo	Kumeu	Lucas	Mahurangi	Matakana	Ngakoroa	Oakley	Opanuku	Otara	Oteha	Papakura	Puhinui	Rangitopuni	Wairoa	Waiwera
7-Jan-03	<0.01	0.05	0.02	<0.01	<0.01	<0.01	<0.01	0.02	0.02	0.03	<0.01	0.04	<0.01	0.02	<0.01	<0.01
4-Feb-03	0.02	0.02	0.03	<0.01	<0.01	0.02	0.02	0.04	0.02	0.04	<0.01	0.05	0.02	0.04	0.02	0.02
4-Mar-03	0.03	0.03	0.05	0.03	<0.01	0.02	<0.01	0.02	0.03	<0.01	<0.01	0.02	0.02	0.02	0.02	0.02
1-Apr-03	0.02	0.04	0.02	<0.01	<0.01	<0.01	<0.01	0.02	0.02	0.02	<0.01	0.03	0.02	0.03	<0.01	<0.01
6-May-03	0.02	0.03	<0.01	0.02	<0.01	<0.01	<0.01	0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02
4-Jun-03	0.02	0.02	0.02	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	0.02	0.02	0.03	<0.01	0.02	0.02	<0.01
1-Jul-03	0.02	0.03	0.02	0.03	0.02	0.02	<0.01	0.03	0.02	0.03	0.02	0.04	0.02	0.03	0.02	0.02
7-Aug-03	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	0.02	0.04	<0.01	0.03	0.03	<0.01	0.02	0.02
2-Sep-03	0.04	0.02	0.02	0.02	<0.01	0.04	0.02	0.02	0.02	0.04	0.02	0.04	<0.01	0.02	0.02	0.02
30-Sep-03	0.02	0.04	0.02	0.02	<0.01	0.02	<0.01	0.02	0.02	0.03	0.02	0.03	<0.01	0.02	0.02	0.02
4-Nov-03	0.02	0.03	0.02	0.02	<0.01	0.02	<0.01	0.02	<0.01	0.02	<0.01	0.03	<0.01	0.02	0.02	0.02
1-Dec-03	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.02	0.02	<0.01	0.03	<0.01	<0.01	0.02	<0.01
Median	0.02	0.03	0.02	0.013	0.005	0.013	0.005	0.02	0.02	0.025	0.005	0.03	0.013	0.02	0.02	0.02
IQR/median %	19	42	19	120	0	120	0	50	0	50	300	33	120	13	0	75

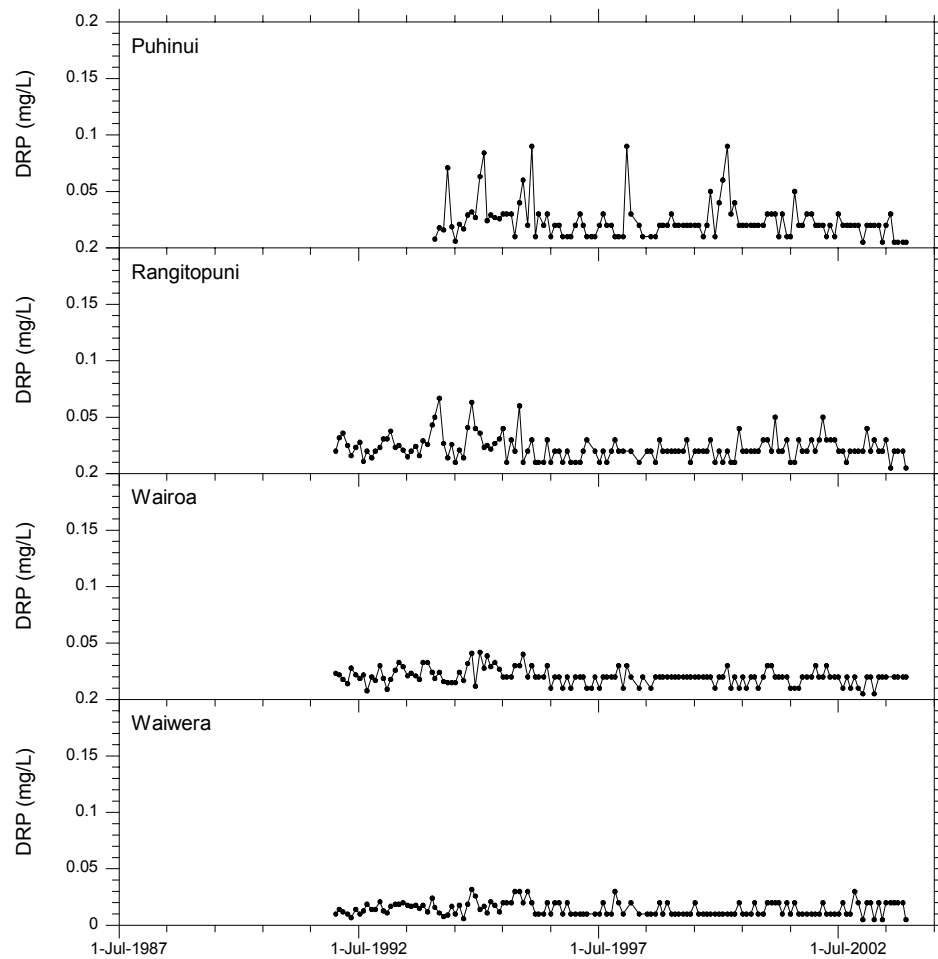
NB: The dates given are for sites N1-N9. Sites S1-S7 were sampled on 8-Jan, 5-Feb, 5-Mar, 2-Apr, 7-May, 5-Jun, 2-Jul, 6-Aug, 5-Sep, 29 Sep, 5-Nov and 3-Dec.

Method detection limit is 0.01 mg/L. For summary statistics, a result of "<0.01" is taken to have the value 0.005

The graphs on the following pages show dissolved reactive phosphorus results for the period August 1987 to December 2003 (where data available).





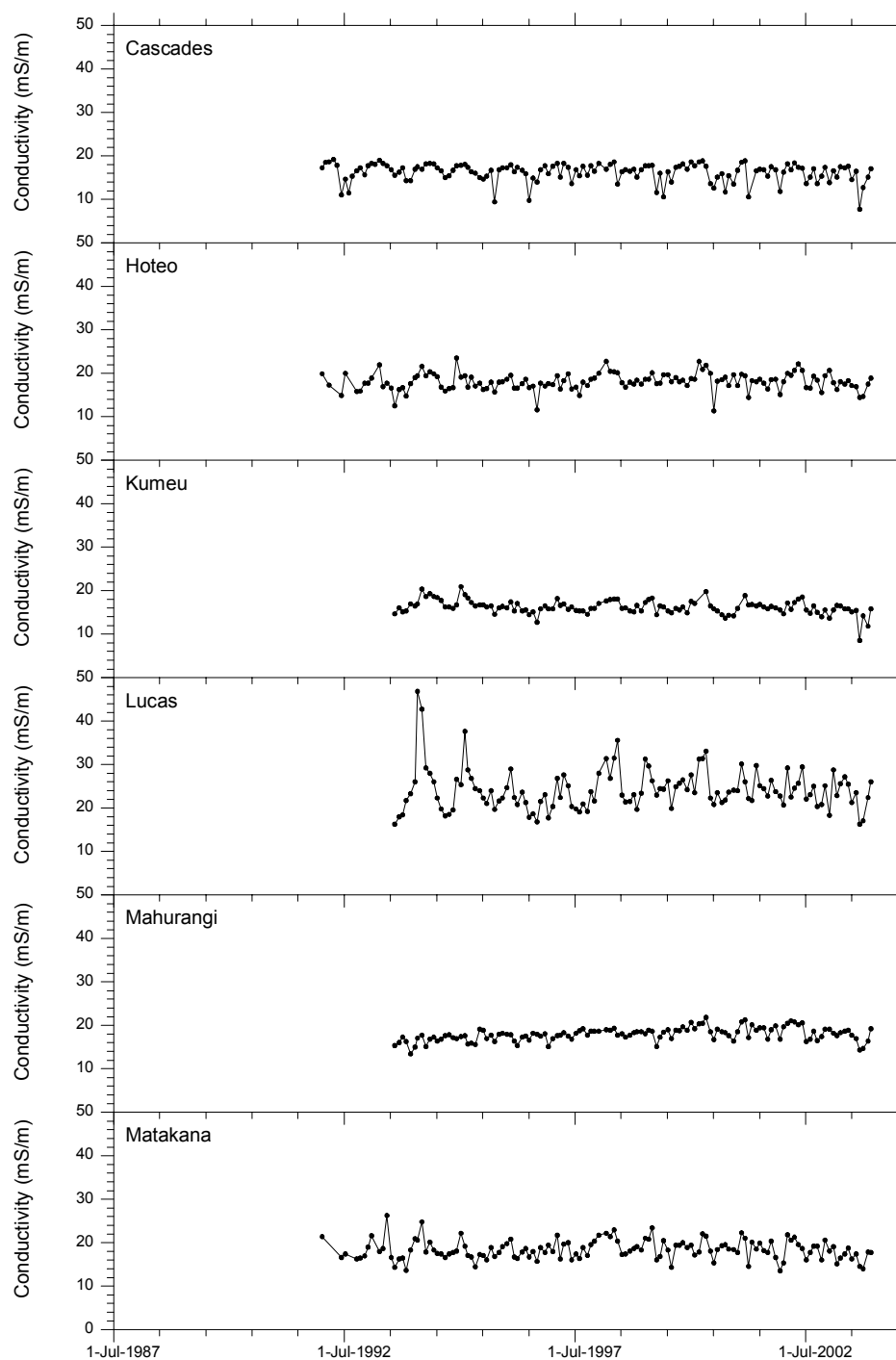


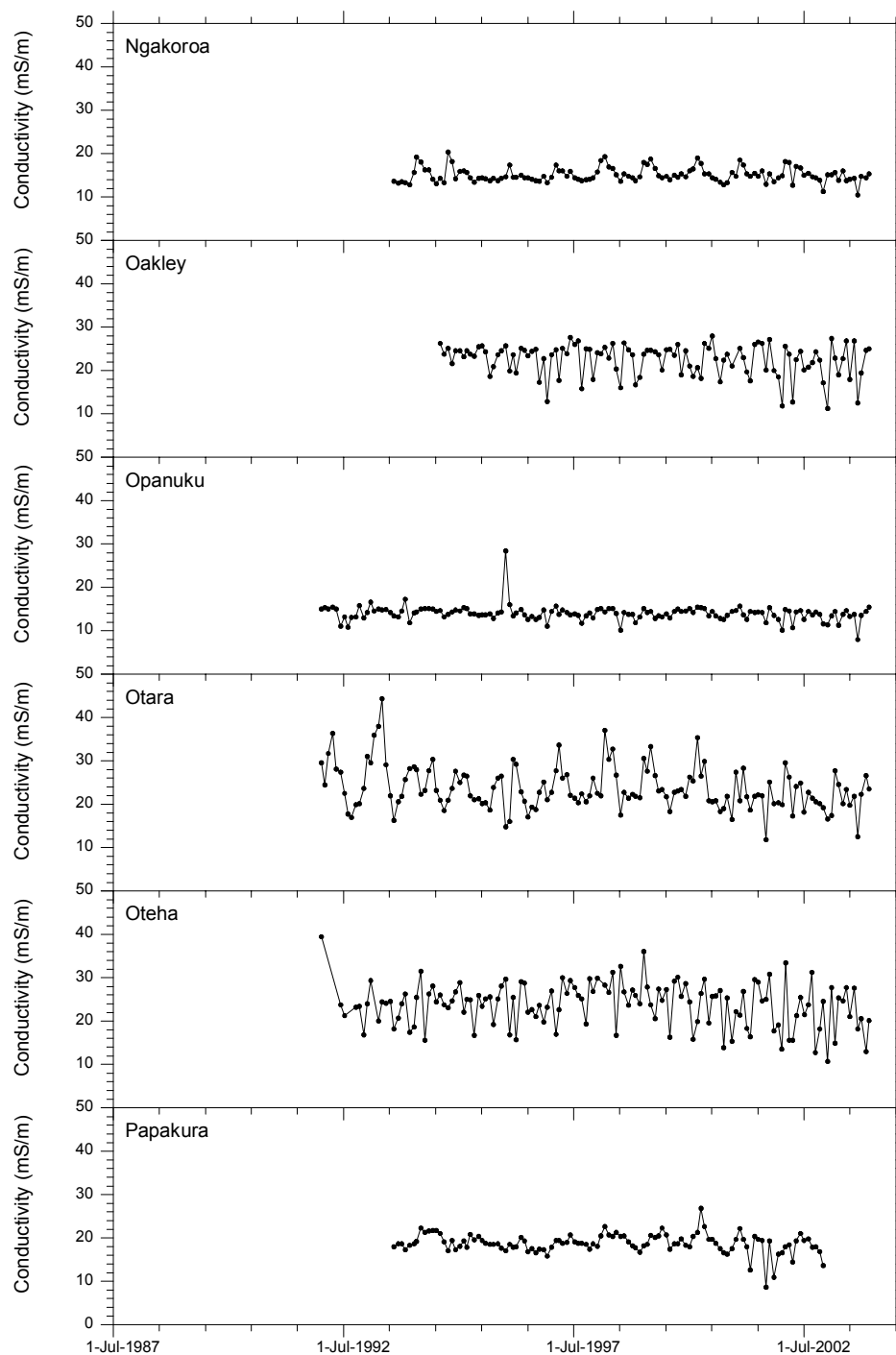
APPENDIX 13: FRESHWATER – CONDUCTIVITY

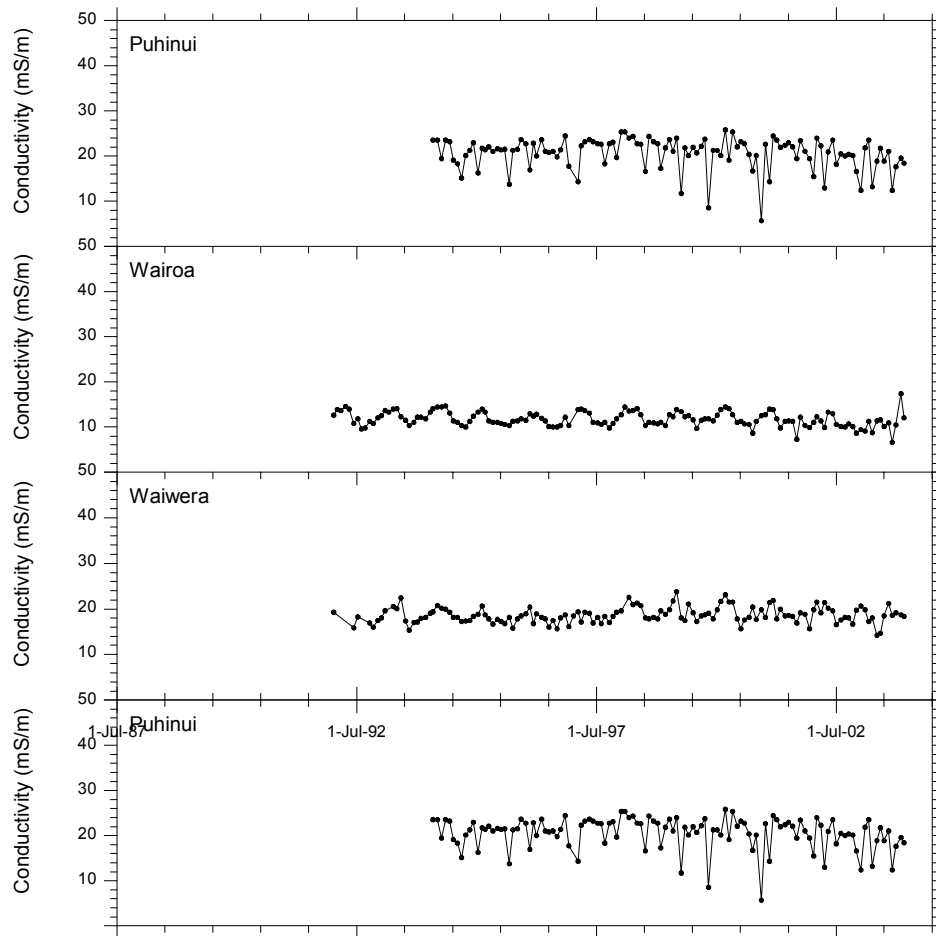
Conductivity (mS/m) for the period January 2003 to December 2003																
Date	Cascades	Hoteo	Kumeu	Lucas	Mahurangi	Matakana	Ngakoroa	Oakley	Opanuku	Otara	Oteha	Papakura	Puhinui	Rangitopuni	Wairoa	Waiwera
7-Jan-03	13.9	20.7	13.6	18.3	19.1	18.1	15.1	11.3	11.4	16.6	10.7	17.5	12.4	18.0	9.4	20.6
4-Feb-03	16.6	17.9	15.6	28.8	18.2	19.1	15.2	27.4	13.4	17.4	27.7	14.9	21.8	19.9	9.1	19.8
4-Mar-03	15.2	16.2	16.6	22.9	17.6	15.2	15.7	22.9	14.4	27.7	14.9	19.1	23.5	22.8	11.2	17.2
1-Apr-03	17.5	18.1	16.5	25.6	18.3	16.5	13.9	19.0	11.2	24.6	25.4	17.2	13.2	19.6	8.8	18.0
6-May-03	17.3	17.5	15.8	27.2	18.7	17.4	16.0	22.8	13.8	20.2	24.7	17.3	18.9	20.7	11.4	14.2
4-Jun-03	17.6	18.3	15.8	25.5	18.9	18.8	13.8	26.8	14.7	23.4	27.7	19.2	21.7	21.2	11.6	14.7
1-Jul-03	14.6	17.2	15.1	21.3	17.7	16.3	14.1	18.0	13.3	19.8	21.0	18.2	18.9	19.0	10.2	18.5
7-Aug-03	16.5	17.0	15.5	23.5	17.0	17.4	14.3	26.9	13.8	21.8	27.6	18.3	21.0	18.6	10.9	21.2
2-Sep-03	7.7	14.4	8.5	16.2	14.3	14.6	10.5	12.5	8.0	12.5	18.2	10.5	12.4	14.9	6.6	18.6
30-Sep-03	12.8	14.7	14.2	17.1	14.7	14.0	14.8	19.4	13.5	22.3	20.6	17.7	17.6	14.8	10.5	19.2
4-Nov-03	15.2	17.5	11.9	22.4	16.4	17.9	14.5	24.7	14.4	26.6	13.0	19.4	19.6	20.4	17.4	18.7
1-Dec-03	17.1	18.9	15.8	26.1	19.2	17.7	15.4	25.0	15.5	23.5	20.2	18.3	18.4	18.0	12.1	18.4
Median	15.9	17.5	15.6	23.2	18.0	17.4	14.7	22.9	13.7	22.1	20.8	18.0	18.9	19.3	10.7	18.6
IQR/median %	17	8	11	22	11	11	8	29	12	21	41	7	25	13	20	8

NB: The dates given are for sites N1-N9. Sites S1-S7 were sampled on 8-Jan, 5-Feb, 5-Mar, 2-Apr, 7-May, 5-Jun, 2-Jul, 6-Aug, 5-Sep, 29 Sep, 5-Nov and 3-Dec.

The graphs on the following pages show conductivity results for the period August 1987 to December 2003 (where data available).







APPENDIX 14: FRESHWATER – CHLORIDE

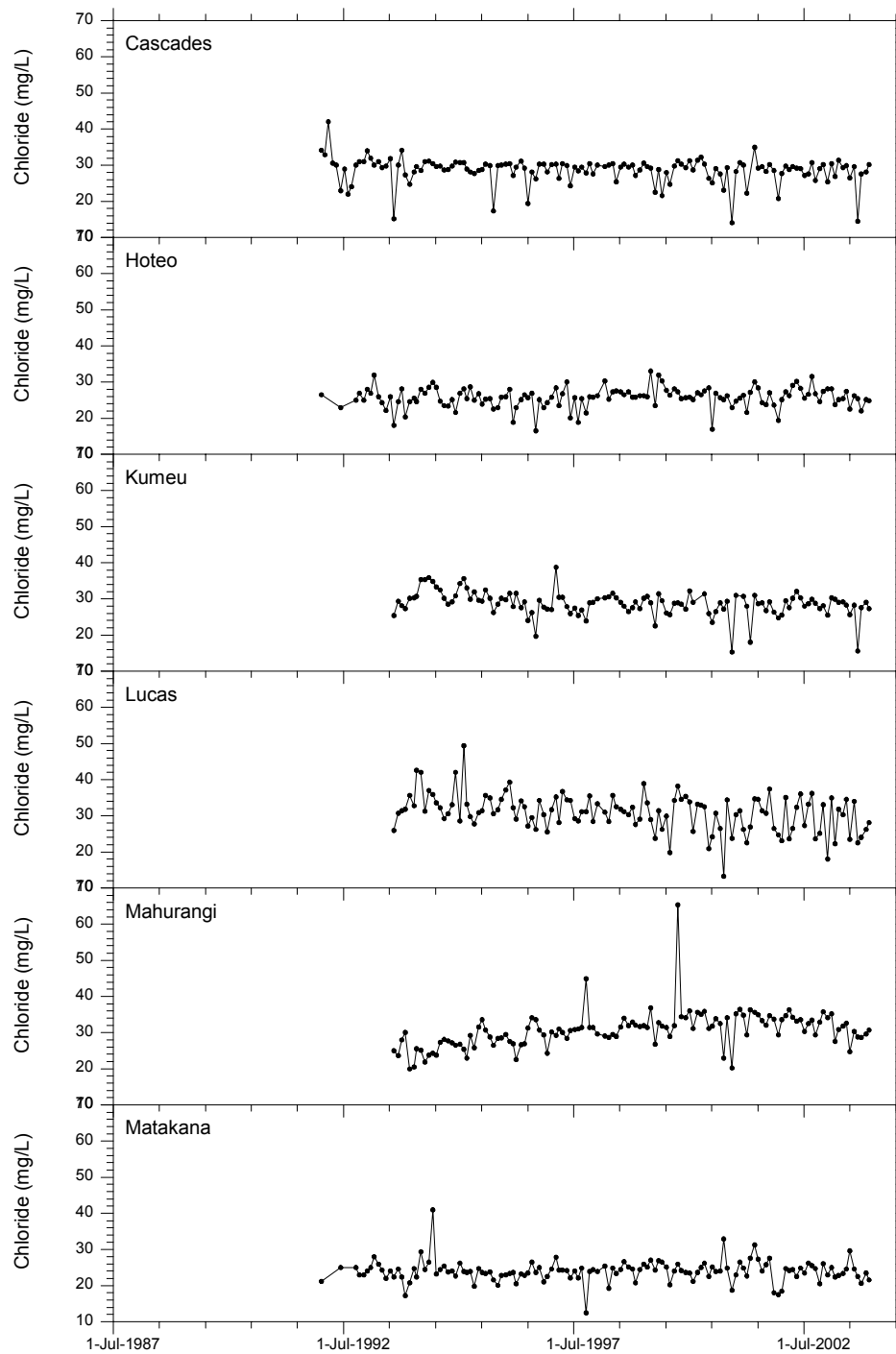
(Note that $\text{g/m}^3 = \text{g m}^{-3} = \text{mg/L}$)

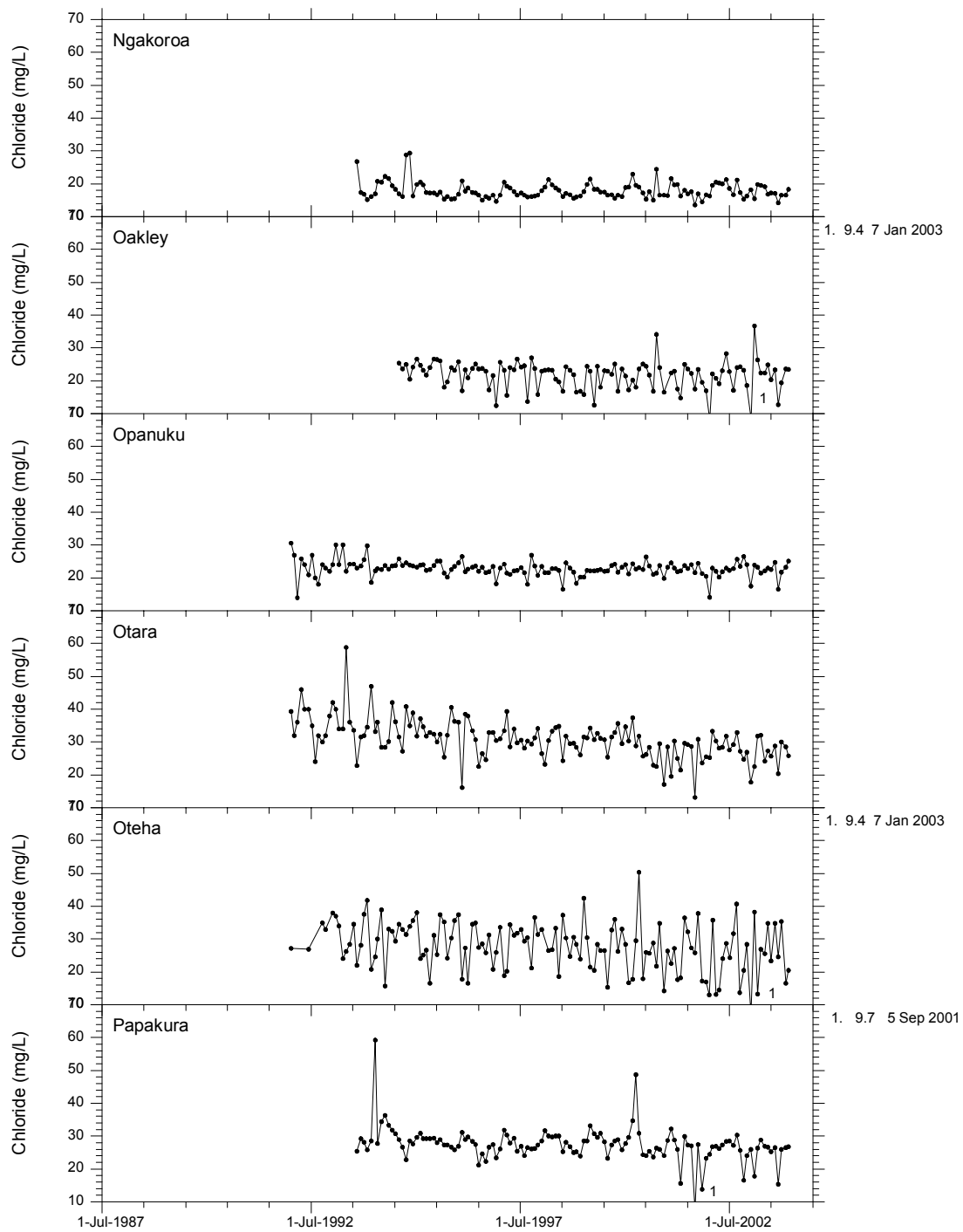
Chloride (mg/L) for the period January 2003 to December 2003

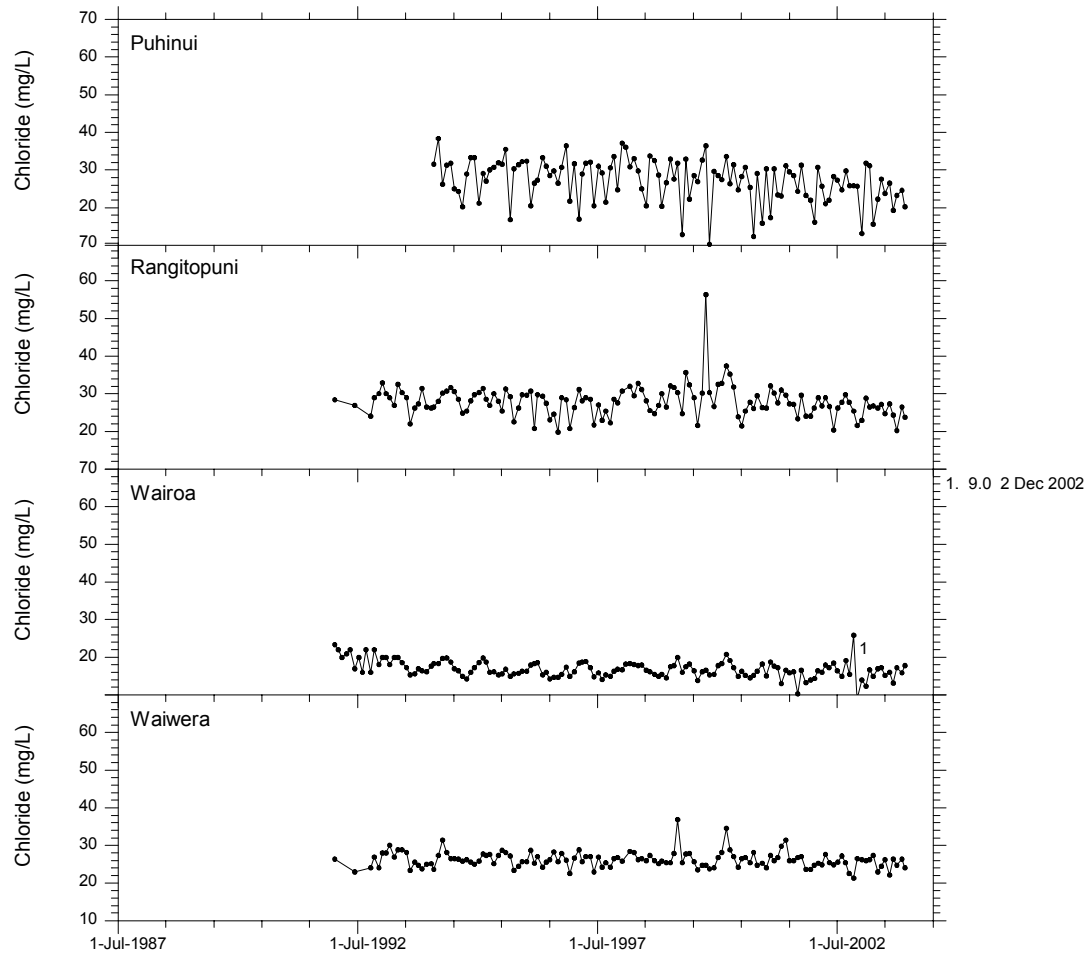
Date	Cascades	Hoteo	Kumeu	Lucas	Mahurangi	Matakana	Ngakoroa	Oakley	Opanuku	Otara	Oteha	Papakura	Puhinui	Rangitopuni	Wairoa	Waiwera
7-Jan-03	25.5	28.2	25.6	18.1	34.1	22.9	18.2	9.3	17.5	17.8	9.4	26.0	13.2	22.9	14.0	26.2
4-Feb-03	30.5	28.1	30.3	35.0	35.2	25.0	15.5	36.7	23.9	22.6	38.3	17.8	31.9	28.8	12.4	26.0
4-Mar-03	27.0	23.8	29.9	22.3	27.6	22.4	19.8	26.4	23.2	31.9	13.3	26.4	31.2	26.6	16.7	26.2
1-Apr-03	31.4	25.1	29.1	31.8	30.9	22.8	19.6	22.4	21.5	32.1	26.9	28.8	15.7	26.8	14.9	27.4
6-May-03	29.4	25.4	29.3	30.3	31.9	23.4	19.1	22.4	22.2	24.2	25.6	27.0	22.3	26.2	17.0	22.9
4-Jun-03	29.9	27.5	28.3	34.5	32.7	24.6	16.8	24.9	23.0	27.3	34.8	26.7	27.6	27.2	17.3	24.5
1-Jul-03	26.6	22.5	25.7	23.5	24.8	29.6	17.2	20.4	22.6	25.7	23.4	25.3	23.8	24.7	15.2	26.2
7-Aug-03	29.6	26.3	28.3	34.0	30.3	24.6	17.1	23.4	24.7	28.8	34.8	26.5	26.6	27.4	16.0	22.2
2-Sep-03	14.6	25.4	15.6	22.6	28.8	22.6	14.3	12.7	16.6	20.4	24.6	15.4	19.3	24.3	13.1	26.4
30-Sep-03	27.7	22.0	27.6	24.1	28.7	20.7	16.6	19.5	21.8	30.1	35.4	26.0	23.2	20.3	17.3	24.7
4-Nov-03	28.2	25.1	29.1	26.2	29.6	23.5	16.5	23.7	23.2	28.6	16.5	26.5	24.6	26.5	15.9	26.4
1-Dec-03	30.2	24.9	27.4	28.1	30.8	21.6	18.3	23.5	25.2	25.9	20.6	26.8	20.3	23.8	17.8	24.1
Median	28.8	25.3	28.3	27.2	30.6	23.2	17.2	22.9	22.8	26.6	25.1	26.5	23.5	26.4	16.0	26.1
IQR/median %	11	8	8	33	11	9	11	17	7	20	61	3	29	10	15	7

NB: The dates given are for sites N1-N9. Sites S1-S7 were sampled on 8-Jan, 5-Feb, 5-Mar, 2-Apr, 7-May, 5-Jun, 2-Jul, 6-Aug, 5-Sep, 29 Sep, 5-Nov and 3-Dec.

The graphs on the following pages show chloride results for the period August 1987 to December 2003 (where data available).





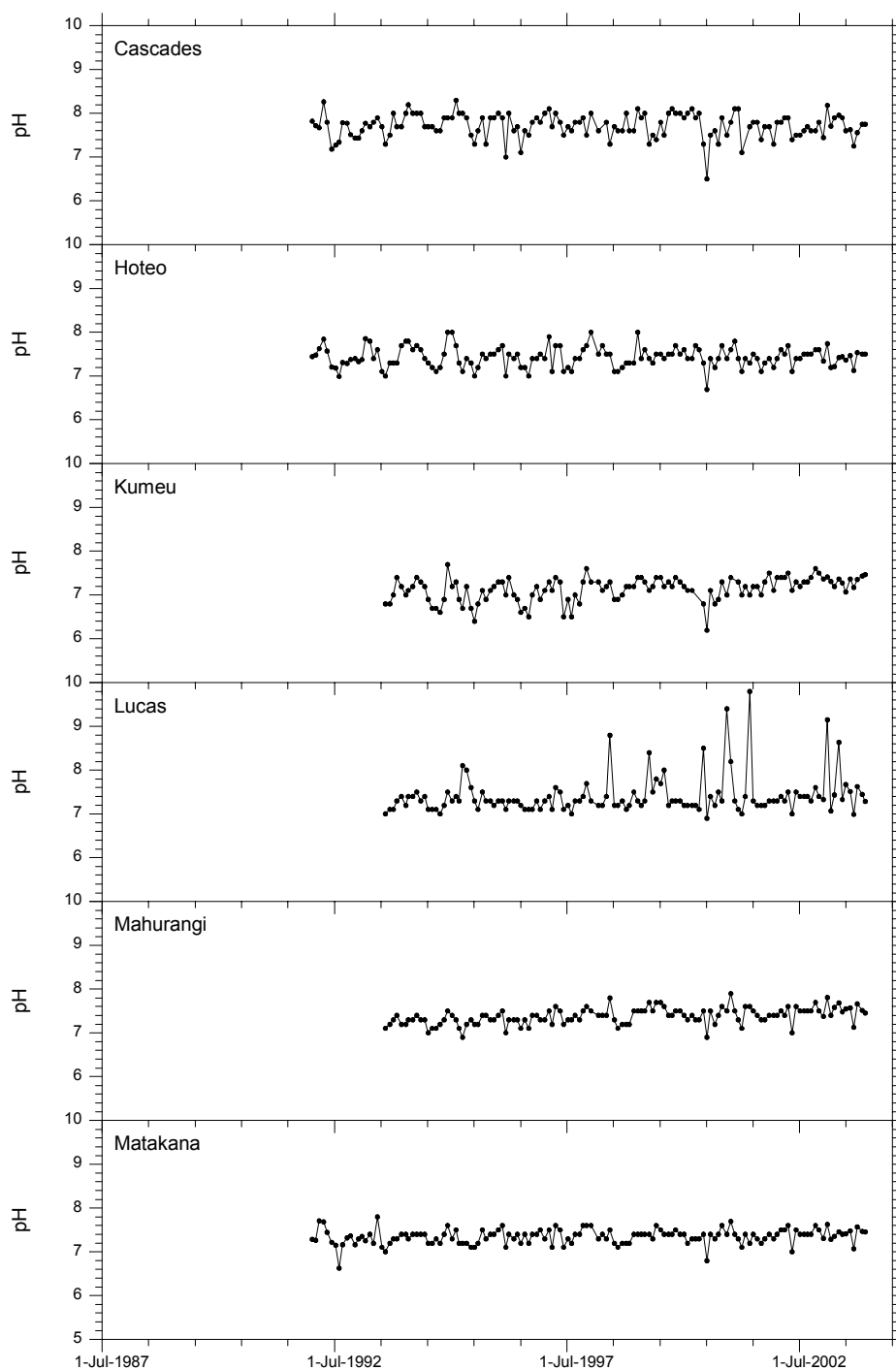


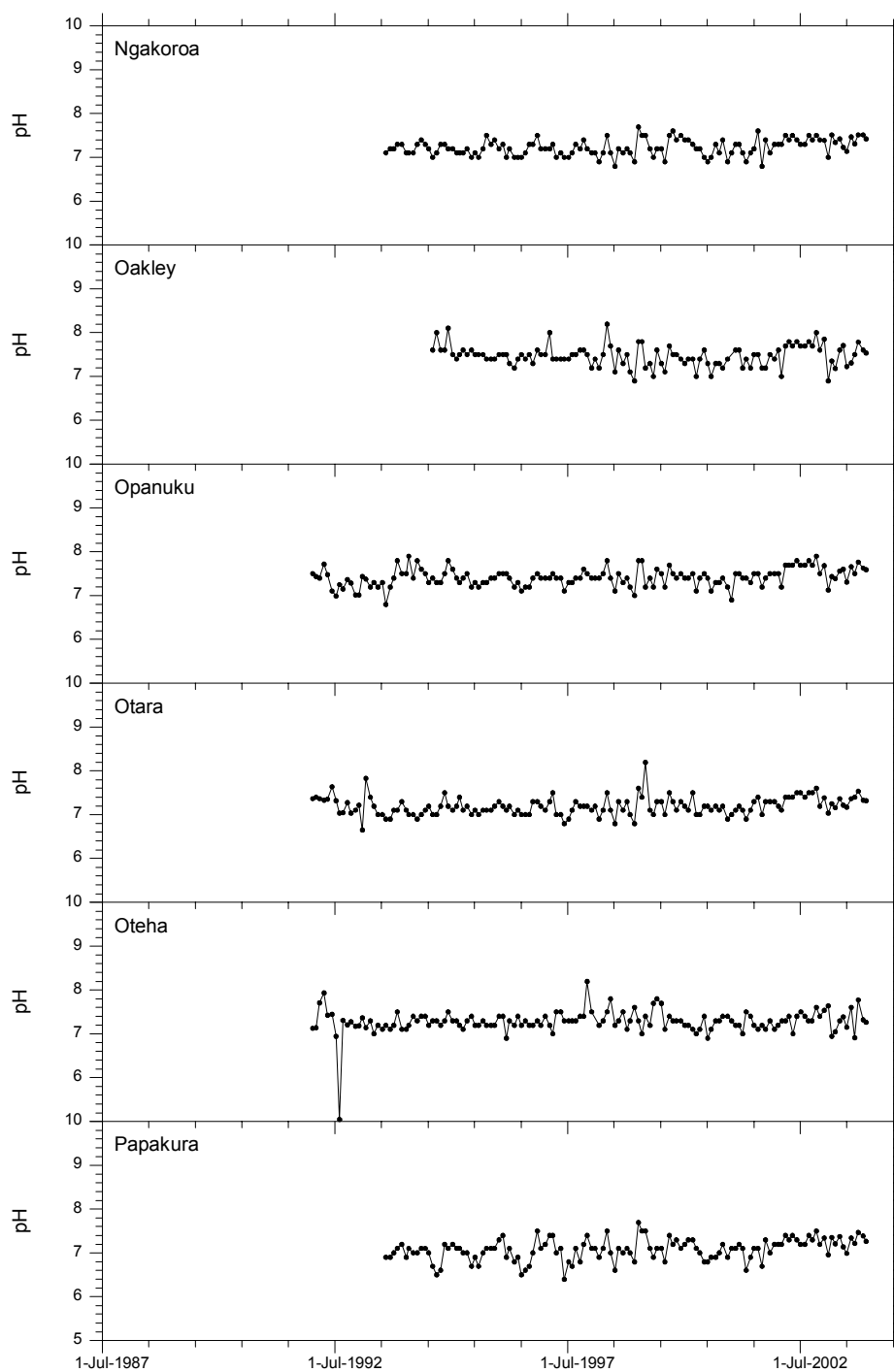
APPENDIX 15: FRESHWATER – pH

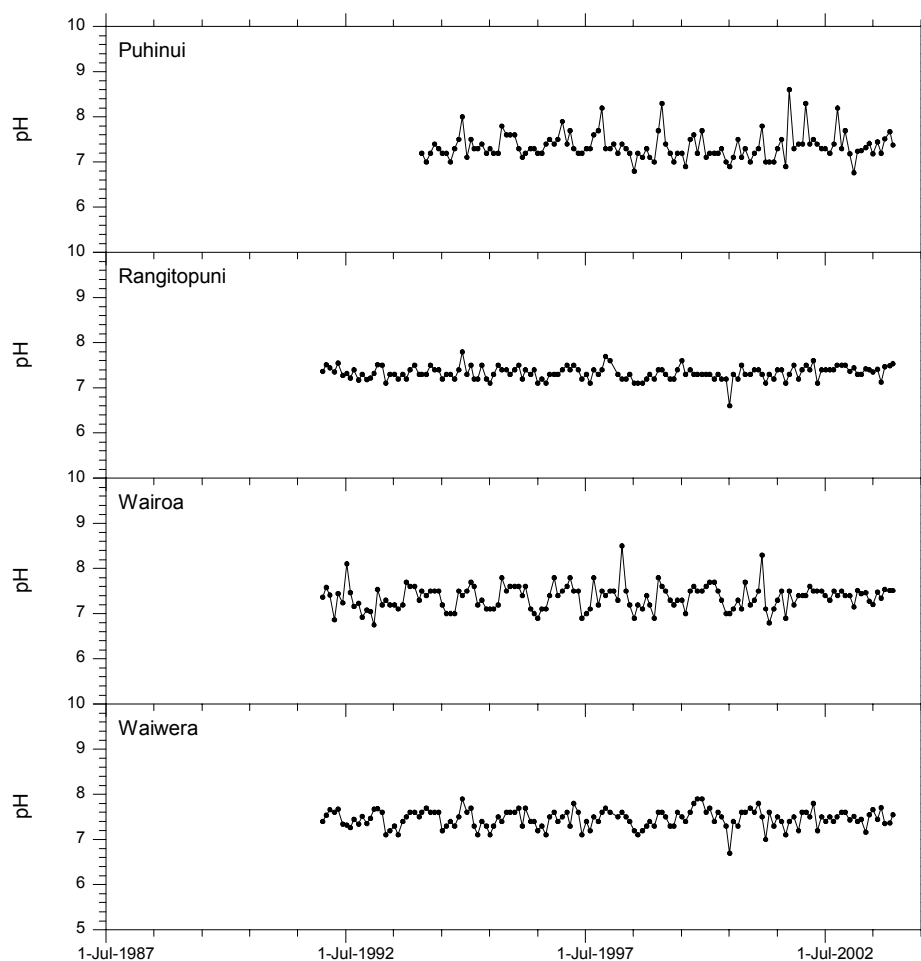
pH (pH units) for the period January 2003 to December 2003																
Date	Cascades	Hoteo	Kumeu	Lucas	Mahurangi	Matakana	Ngakoroa	Oakley	Opanuku	Otara	Oteha	Papakura	Puhinui	Rangitopuni	Wairoa	Waiwera
7-Jan-03	7.4	7.3	7.4	7.3	7.4	7.3	7.4	7.9	7.7	7.4	7.5	7.3	7.2	7.4	7.4	7.4
4-Feb-03	8.2	7.7	7.4	9.2	7.8	7.6	7.0	6.9	7.1	7.0	7.6	7.0	6.8	7.4	7.2	7.5
4-Mar-03	7.7	7.2	7.3	7.1	7.4	7.3	7.5	7.4	7.4	7.3	6.9	7.4	7.2	7.3	7.5	7.4
1-Apr-03	7.9	7.2	7.2	7.4	7.6	7.4	7.3	7.2	7.4	7.2	7.1	7.2	7.3	7.3	7.5	7.5
6-May-03	8.0	7.4	7.4	8.6	7.7	7.5	7.4	7.6	7.6	7.4	7.3	7.4	7.3	7.4	7.5	7.2
4-Jun-03	7.9	7.4	7.3	7.3	7.5	7.4	7.2	7.7	7.6	7.2	7.4	7.1	7.4	7.4	7.3	7.6
1-Jul-03	7.6	7.4	7.1	7.7	7.6	7.4	7.1	7.2	7.3	7.2	7.2	7.0	7.2	7.4	7.2	7.7
7-Aug-03	7.6	7.5	7.4	7.5	7.6	7.5	7.5	7.3	7.7	7.4	7.6	7.3	7.4	7.4	7.5	7.4
2-Sep-03	7.3	7.1	7.2	7.0	7.1	7.1	7.3	7.5	7.5	7.4	6.9	7.2	7.2	7.1	7.3	7.7
30-Sep-03	7.6	7.5	7.4	7.6	7.7	7.6	7.5	7.8	7.8	7.5	7.8	7.5	7.5	7.5	7.5	7.4
4-Nov-03	7.8	7.5	7.4	7.4	7.5	7.5	7.5	7.6	7.6	7.3	7.3	7.4	7.7	7.5	7.5	7.4
1-Dec-03	7.8	7.5	7.5	7.3	7.5	7.5	7.4	7.5	7.6	7.3	7.3	7.3	7.4	7.5	7.5	7.6
Median	7.7	7.4	7.4	7.4	7.5	7.4	7.4	7.5	7.6	7.3	7.3	7.3	7.3	7.4	7.5	7.4
IQR/median %	4	3	2	4	2	2	3	5	3	2	6	2	3	1	2	2

NB: The dates given are for sites N1-N9. Sites S1-S7 were sampled on 8-Jan, 5-Feb, 5-Mar, 2-Apr, 7-May, 5-Jun, 2-Jul, 6-Aug, 5-Sep, 29 Sep, 5-Nov and 3-Dec.

The graphs on the following pages show pH results for the period August 1987 to December 2003 (where data available).







APPENDIX 16: FRESHWATER – SOLUBLE COPPER

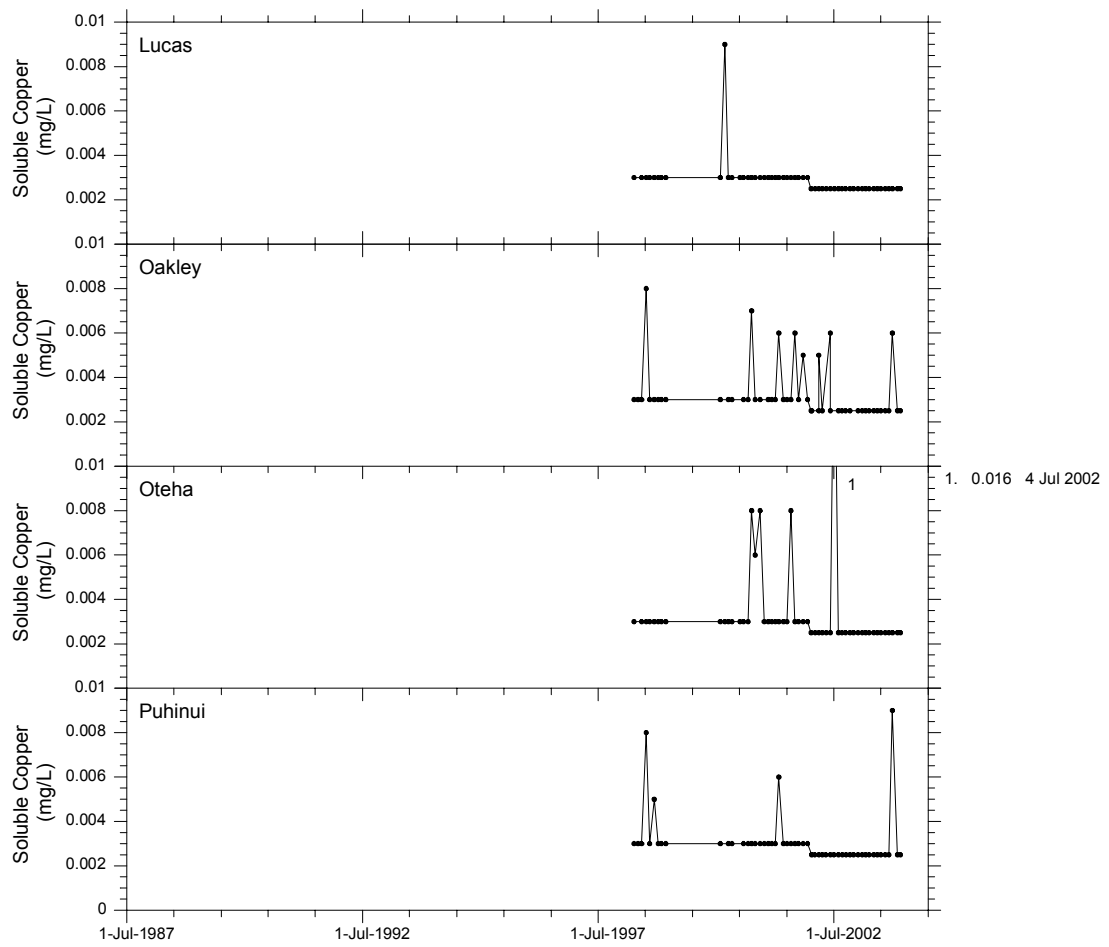
(Note that $\text{g/m}^3 = \text{g m}^{-3} = \text{mg/L}$)

Soluble copper (mg/L) for the period January 2003 to December 2003				
Date	Lucas	Oakley	Oteha	Puhinui
7-Jan-03	<0.005	<0.005	<0.005	<0.005
4-Feb-03	<0.005	<0.005	<0.005	<0.005
4-Mar-03	<0.005	<0.005	<0.005	<0.005
1-Apr-03	<0.005	<0.005	<0.005	<0.005
6-May-03	<0.005	<0.005	<0.005	<0.005
4-Jun-03	<0.005	<0.005	<0.005	<0.005
1-Jul-03	<0.005	<0.005	<0.005	<0.005
7-Aug-03	<0.005	<0.005	<0.005	<0.005
2-Sep-03	<0.005	<0.005	<0.005	<0.005
30-Sep-03	<0.005	0.006	<0.005	0.009
4-Nov-03	<0.005	<0.005	<0.005	<0.005
1-Dec-03	<0.005	<0.005	<0.005	<0.005
Median	0.0025	0.0025	0.0025	0.0025
IQR/median %	0.000	0.000	0.000	0.000

NB: The dates given are for sites N1-N9. Sites S1-S7 were sampled on 8-Jan, 5-Feb, 5-Mar, 2-Apr, 7-May, 5-Jun, 2-Jul, 6-Aug, 5-Sep, 29 Sep, 5-Nov and 3-Dec.

Method detection limit is 0.005 mg/L. For summary statistics, a result of "<0.005" is taken to have the value 0.0025

The graphs on the following page show soluble copper results for the period August 1987 to December 2003 (where data available).



APPENDIX 17: FRESHWATER – TOTAL COPPER

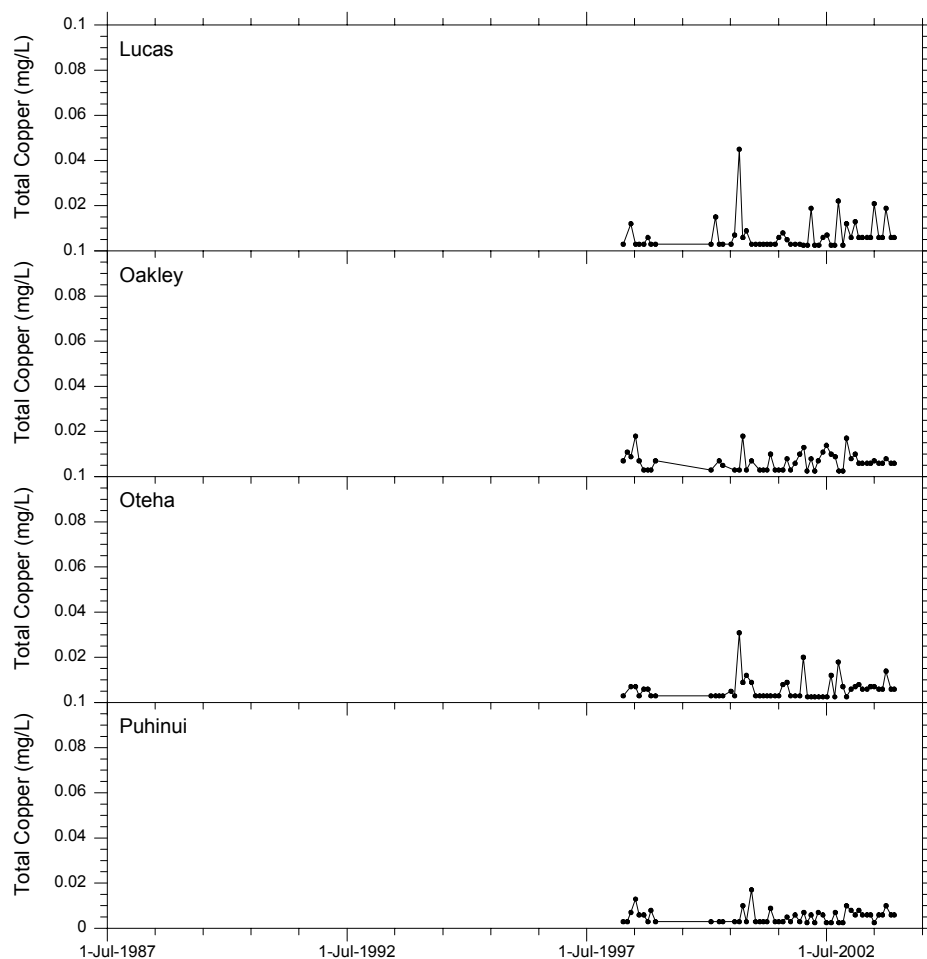
(Note that $\text{g/m}^3 = \text{g m}^{-3} = \text{mg/L}$)

Total copper (mg/L) for the period January 2003 to December 2003				
Date	Lucas	Oakley	Oteha	Puhinui
7-Jan-03	0.006	0.008	0.006	0.008
4-Feb-03	0.013	0.010	0.007	0.006
4-Mar-03	0.006	0.006	0.008	0.008
1-Apr-03	0.006	0.006	0.006	0.006
6-May-03	0.006	0.006	0.006	0.006
4-Jun-03	0.006	0.006	0.007	0.006
1-Jul-03	0.021	0.007	0.007	<0.005
7-Aug-03	0.006	0.006	0.006	0.006
2-Sep-03	0.006	0.006	0.006	0.006
30-Sep-03	0.019	0.008	0.014	0.010
4-Nov-03	0.006	0.006	0.006	0.006
1-Dec-03	0.006	0.006	0.006	0.006
Median	0.006	0.0060	0.0060	0.0060
IQR/median %	29	21	17	8

NB: The dates given are for sites N1-N9. Sites S1-S7 were sampled on 8-Jan, 5-Feb, 5-Mar, 2-Apr, 7-May, 5-Jun, 2-Jul, 6-Aug, 5-Sep, 29 Sep, 5-Nov and 3-Dec.

Method detection limit is 0.005 mg/L. For summary statistics, a result of "<0.005" is taken to have the value 0.0025

The graphs on the following page show total copper results for the period August 1987 to December 2003 (where data available).



APPENDIX 18: FRESHWATER – SOLUBLE LEAD

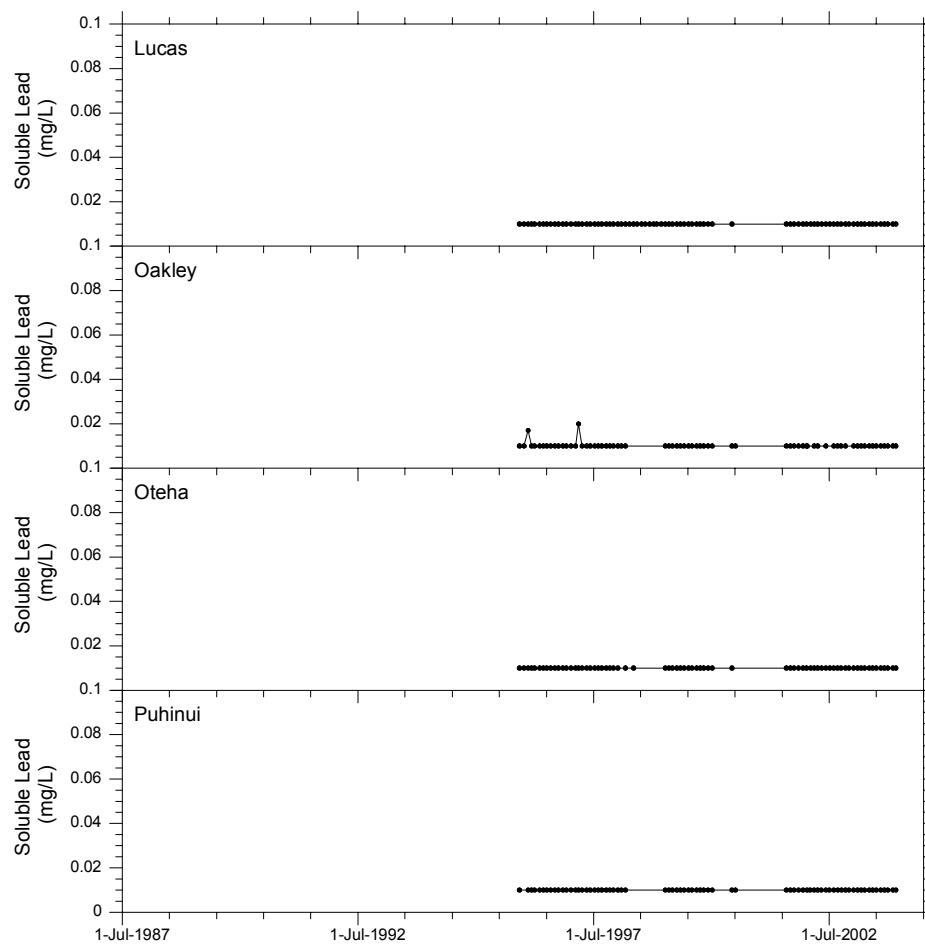
(Note that $\text{g/m}^3 = \text{g m}^{-3} = \text{mg/L}$)

Date	Lucas	Oakley	Oteha	Puhinui
7-Jan-03	<0.02	<0.02	<0.02	<0.02
4-Feb-03	<0.02	<0.02	<0.02	<0.02
4-Mar-03	<0.02	<0.02	<0.02	<0.02
1-Apr-03	<0.02	<0.02	<0.02	<0.02
6-May-03	<0.02	<0.02	<0.02	<0.02
4-Jun-03	<0.02	<0.02	<0.02	<0.02
1-Jul-03	<0.02	<0.02	<0.02	<0.02
5-Aug-03	<0.02	<0.02	<0.02	<0.02
2-Sep-03	<0.02	<0.02	<0.02	<0.02
230-Sep-03	<0.02	<0.02	<0.02	<0.02
4-Nov-03	<0.02	<0.02	<0.02	<0.02
1-Dec-03	<0.02	<0.02	<0.02	<0.02
Median	0.01	0.01	0.01	0.01
IQR/median %	0.00	0.00	0.00	0.00

NB: The dates given are for sites N1-N9. Sites S1-S7 were sampled on 8-Jan, 5-Feb, 5-Mar, 2-Apr, 7-May, 5-Jun, 2-Jul, 6-Aug, 5-Sep, 29 Sep, 5-Nov and 3-Dec.

Method detection limit is 0.02 mg/L. For summary statistics, a result of "<0.02" is taken to have the value 0.01

The graphs on the following page show soluble lead results for the period August 1987 to December 2003 (where data available).



APPENDIX 19: FRESHWATER – TOTAL LEAD

(Note that $\text{g/m}^3 = \text{g m}^{-3} = \text{mg/L}$)

Total lead (mg/L) for the period January 2003 to December 2003				
Date	Lucas	Oakley	Oteha	Puhinui
7-Jan-03	<0.02	<0.02	<0.02	<0.02
4-Feb-03	<0.02	<0.02	<0.02	<0.02
4-Mar-03	<0.02	<0.02	<0.02	<0.02
1-Apr-03	<0.02	<0.02	<0.02	<0.02
6-May-03	<0.02	<0.02	<0.02	<0.02
4-Jun-03	<0.02	<0.02	<0.02	<0.02
1-Jul-03	<0.02	<0.02	<0.02	<0.02
7-Aug-03	<0.02	<0.02	<0.02	<0.02
2-Sep-03	<0.02	<0.02	<0.02	<0.02
30-Sep-03	<0.02	<0.02	<0.02	<0.02
4-Nov-03	<0.02	<0.02	<0.02	<0.02
1-Dec-03	<0.02	<0.02	<0.02	<0.02
Median	0.01	0.01	0.01	0.01
IQR/median %	0.00	0.00	0.00	0.00

NB: The dates given are for sites N1-N9. Sites S1-S7 were sampled on 8-Jan, 5-Feb, 5-Mar, 2-Apr, 7-May, 5-Jun, 2-Jul, 6-Aug, 5-Sep, 29 Sep, 5-Nov and 3-Dec.

Method detection limit is 0.02 mg/L. For summary statistics, a result of "<0.02" is taken to have the value 0.01

The graphs on the following page show total lead results for the period August 1987 to December 2003 (where data available).

