

APPENDIX A TABLE OF SAMPLING SITES AND SURVEY RESULT

Sample sites

Sample No.	Location	NGR	Sample No.	Location	NGR
108	filtered real sample	SX608749	143	River Anton, Fullerton	SU279395
109	filtered real sample	SX608749	144	River Test, Longstock channel 1	SU363368
110	Burbage Brook, Ringinglow	SK260830	145	River Test, Longstock channel 2	SU361368
111	Highlow Brook, Hathersage	SK233815	146	Pillhill Brook, Anna Valley	SU333437
112	River Derwent, Hathersage	SK183805	147	River Test, Long Parish	SU441449
113	River Derwent, confl. Burbage Bk	SK242784	148	River Thames, Kemble	ST998973
114	River Noe, Brough	SK184824	149	Canal, South Cerney	SU749970
115	River Noe, Hope	SK172837	150	River Churn, Cerney Wick	SU076958
116	River Dove, Crowdicote	SK100652	151	River Ray, Purton	SU110901
117	River Manifold, Longnor br1	SK088646	152	River Cole, Inglesham	SU210979
118	River Manifold, Longnor br2	SK088647	153	River Leach, Lechlade	SU226989
119	River Manifold, Hulme End	SK105593	154	Stream, Kelmscot	SU265990
120	R Dove, Hartington	SK359800	155	River Thames, Radcot	SU285993
121	R Dove, Hartington	SK359800	156	River Windrush, Northmoor	SP404029
122	R Hamps, Onecote	SK050552	157	River Ock, Abingdon	SU496967
123	River Tean Huntley	SK005412	158	River Thames, Abingdon	SU496967
124	River Tean Teanford	SK005404	159	River Ock, Abingdon	SU496967
126	Newleycombe Brook, Burrator	SX569960	160	Winterbrook, Cholsey	SU605887
127	River Till, Tilshead	ST038470	161	Winterbrook, u/s stw South Moreton	SU560880
128	River Lymington, Balmer Lawn	SU313031	162	River Lambourn Gt Shefford	SU383751
129	River Avon Water, A337	SU305941	163	River Lambourn Gt Shefford	SU383751
130	River Lymington, Balmer Lawn	SU313031	164	River Kennet, Gt Bedwyn	SU305678
131	River Avon Water, Wainsford	SU299950	165	River Kennet, West Overton	SU128682
132	River Lymington, Boldre	SZ328964	166	Horner Water, West Luccombe	SS899463
133	Brook, Crockford Br.	SZ351990	167	Weir Water, Robbers Birdge	SS822463
134	Hatchet Pond, Nr outflow	SU363013	168	Chalk Water, Nr Oare	SS815463
135	Hatchet Pond, Nr inflow	SU369107	169	Badgworthy Brook, Malmsmead	SS793478
136	River Beaulieu, Beaulieu	SU380038	170	River East Lyn, Brendon	SS769483
137	River Beaulieu,	SU387053	171	River Exe, Nr Exe Head	SS764416

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138	River Beaulieu,	SU380068	172	River Exe, Nr Exe Head	SS764417
139	Brook, Shipton Br.	SU370045	173	River Barle, Simonsbath	SS772391
140	River Blackwater, Sherfield English	SU294224	174	Kinsford Water, Nr source	SS744371
175	White Water, Clovenrocks Bridge	SS786398	177	Brook, Edgecote	SS847387
176	River Exe, Nr Downscombe	SS843391	178	River Exe, Exford	SS854388
179	Penneycombe Water, Withypool	SS847358	181	Winn Brook, Winsford	SS905349
180	River Barle, Withypool	SS846356	182	River Exe, Winsford	SS907348

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Survey Data

Sample No.		Active aluminium (ug/l)	Dissolved aluminium (ug/l)	Total aluminium	Conductivity μ S/cm	Lab. pH	Alkalinity (mg CaCO ₃ /l)	Total Hardness (mg/l)	Dissolved organic carbon (mg/l)	Field pH
108	filtered real sample	51	64.5	87	43	5.7	0.12	5.5	2.9	5.64
109	filtered real sample	57.3	78.1	104	44	5.7	1.2	6	1.1	5.68
110	Burbage Brook, Ringinglow	110	216	237	81	4	0	4.69	19.1	3.97
111	Highlow Brook, Hathersage	19	26.6	139	147	7.6	25.4	50.3	3.05	7.71
112	River Derwent, Hathersage	36.8	69.5	342	188	7.61	46.5	69.8	4.86	7.72
113	River Derwent, confl. Burbage Bk	40.2	101	330	156	7.32	35.9	56.8	8.07	7.33
114	River Noe, Brough	23.5	31	310	381	7.89	131	167	3.32	7.91
115	River Noe, Hope	20.7	28.7	332	385	7.91	132	166	3.2	7.85
116	River Dove, Crowdicote	23.5	41.3	198	254	7.7	80.5	93.5	4.36	7.72
117	River Manifold, Longnor br1	30.7	85.6	230	124	7.06	16.4	33	6.51	7.15
118	River Manifold, Longnor br2	31.1	90.6	280	123	7.06	16.2	33.9	6.59	7.19
119	River Manifold, Hulme End	27.6	86.1	467	121	7.22	22.2	37	7.37	7.29
120	R Dove, Hartington	18.2	30.5	527	313	7.78	109	131	4.02	7.68
121	R Dove, Hartington	18	29.4	346	313	7.74	107	129	3.86	7.68
122	R Hamps, Onecote	29.2	58.7	429	283	7.95	104	135	6.49	8.05
123	River Tean Huntley	22	52.7	605	336	7.6	89.5	131	6.63	7.57
124	River Tean Teanford	24.7	65.7	568	340	7.59	89.4	128	6.84	7.55
126	Newleycombe Brook, Burrator	15.5	26.7	30.1	58	6.33	3.09	6.43	1.14	6.35
127	River Till, Tilshead	12.1	10	10	628	7.53	240	291	1.57	7.51
128	River Lymington, Balmer Lawn	33.8	111	327	167	6.77	14.7	35.1	7.03	6.68
129	River Avon Water, A337	19.2	57	398	292	7.5	49.4	79.2	6.26	7.42

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130	River Lymington, Balmer Lawn	35.5	110	334	284	6.8	14.7	34.8	7.28	6.68
131	River Avon Water, Wainsford	19.2	57.5	382	292	7.48	47.9	77.7	6.33	7.4
132	River Lymington, Boldre	28.6	99.9	378	207	7.05	22.9	48.3	7.94	6.94
133	Brook, Crockford Br.	15.6	32.1	83.1	122	6.84	8.52	25.3	3.85	6.78
134	Hatchet Pond, Nr outflow	25.5	72.5	225	148	6.56	11.4	28.5	6.39	6.42
135	Hatchet Pond, Nr inflow	20.2	48.6	145	134	6.69	9.87	27.1	5.28	6.71
136	River Beaulieu, Beaulieu	38.2	128	319	303	7	26.9	52.9	10.6	6.81
137	River Beaulieu,	35.4	119	267	210	7.04	34	59.5	9.72	6.89
138	River Beaulieu,	35.1	117	290	221	7.04	34.4	60.3	10.2	6.87
139	Brook, Sipton Br.	55.5	138	333	172	6.33	8.76	25.5	9.68	6.13
140	River Blackwater, Sherfield English	27.2	73.8	492	316	7.26	48.6	100	5.86	7.15
143	River Anton, Fullerton	13.8	10	10	613	8.04	233	288	1.98	7.87
144	River Test, Longstock channel 1	10.9	10	4.89	597	8.08	238	272	1.86	7.89
145	River Test, Longstock channel 2	8.98	10	5.67	598	8.1	233	267	1.67	7.9
146	Pillhill Brook, Anna Valley	7.01	10	4.54	612	8.09	231	274	1.93	7.86
147	River Test, Long Parish	6.27	10	3.25	530	7.94	218	244	1.77	7.88
148	River Thames, Kemble	13	10	10	620	7.4	215	289	0.69	7.57
149	Canal, South Cerney	14.6	10	11.4	578	7.78	219	265	2.15	8.05
150	River Churn, Cerney Wick	10.3	10	20	538	7.95	192	248	0.96	8.34
151	River Ray, Purton	9.88	10	27	1057	7.62	259	340	4.6	7.81
152	River Cole, Inglesham	9.18	10	33.7	781	8.03	246	328	3.08	8.49
153	River Leach, Lechlade	8.54	10	10.7	629	7.97	228	299	0.99	8.29
154	Stream, Kelmscot	8.82	10	40.1	700	7.98	259	336	1.31	8.29
155	River Thames, Radcot	7.86	10	28.1	660	7.95	222	288	2.39	8.3
156	River Windrush, Northmoor	8.52	10	45.9	615	7.94	211	280	1.95	8.27
157	River Ock, Abingdon	8.42	10	34.8	795	8.03	259	351	3.83	8.41
158	River Thames, Abingdon	8.12	10	45.7	670	8.01	222	299	2.46	8.3
159	River Ock, Abingdon	8.37	10	46.2	795	8.05	261	362	3.41	8.4
160	Winterbrook, Cholsey	8.63	10	14.3	790	7.9	275	378	3.02	8.1
161	Winterbrook, u/s stw South Moreton	9.8	10	15.1	747	8.02	251	352	2.39	8.3
162	River Lambourn Gt Shefford	10.3	10	10	568	7.87	214	269	1.2	7.86
163	River Lambourn Gt Shefford	7.45	10	10	568	7.86	209	267	1.41	7.86
164	River Kennet, Gt Bedwyn	8	10	12.4	616	7.93	245	301	1.35	8.07
165	River Kennet, West Overton	8.39	10	12.6	700	7.82	270	337	1.97	7.78
166	Horner Water, West Luccombe	8.41	7.93	11.7	120	7.41	25.9	34	0.74	7.75

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167	Weir Water, Robbers Birdge	12.4	13.2	21.1	111	7.43	24.7	29.6	0.53	7.51
168	Chalk Water, Nr Oare	13.6	16.5	19.6	97	7.43	25.9	28.7	1.36	7.6
169	Badgworthy Brook, Malmsmead	9.07	10.1	11.9	94	7.49	24.4	27.6	0.99	7.76
170	River East Lyn, Brendon	10.6	11.1	14	110	7.55	28.1	33.2	1.06	7.8
171	River Exe, Nr Exe Head	11.4	35.4	52.9	48	6.04	3.91	8.3	1.45	6.2
172	River Exe, Nr Exe Head	13.4	35.2	47.3	48	6.02	3.85	8.3	1.45	6.2
173	River Barle, Simonsbath	15.6	22	28.3	79	7.21	14.1	20.9	1.31	7.57
174	Kinsford Water, Nr source	25.9	63.6	90.6	48	5.94	2.94	7	2.13	6.2
175	White Water, Clovenrocks Bridge	4.82	10	19.1	87	6.48	11.45	25.6	1	6.5
176	River Exe, Nr Downscombe	12.4	14.1	18.7	81	7.11	14	21.1	1.2	7.2
177	Brook, Edgecote	11	12.7	19	82	7.18	15.2	22.5	1.42	7.3
178	River Exe, Exford	8.32	10	12	142	7.52	13.6	45.6	0.9	7.6
179	Penneycombe Water, Withypool	10.7	10	14.7	106	7.39	24	33.6	1.12	7.6
180	River Barle, Withypool	10.8	13.8	20.7	81	6.91	13.2	20.2	1.26	7.3
181	Winn Brook, Winsford	8.94	10.4	31.9	104	7.21	16.4	29.1	1.31	7.3
182	River Exe, Winsford	12.6	13.7	15.4	114	7.48	23.1	34.4	1.22	7.5