

APPENDIX 1

The average concentrations of major and trace elements (in ppm) from the six study sites based on PXRF measurements

		Fe	K	Ti	Ca	Zr	Ba	Mn	Co	Rb	Ni	Zn	Cr	Sr	Cu	Pb	As	Mo
RN	M	17647	11235	5655	827	372	584	366	358	84	59	67	49	50	0	22	13	8
	H	38785	15603	6400	1298	632	799	1492	377	115	113	134	78	64	0	36	21	10
	L	5125	6156	4423	160	285	281	39	338	29	30	14	39	33	0	11	6	6
	N	16	16	16	15	16	16	16	2	16	8	16	12	16	0	16	5	6
	S	12371	4255	593	363	110	149	464	120	26	30	39	14	9	0	6	6	2
HA	M	3741	5367	5382	258	1019	378	61	0	51	0	10	52	29	0	12	10	0
	H	3833	5384	5462	258	1025	393	63	0	54	0	10	54	30	0	14	10	0
	L	3649	5350	5301	0	1012	363	58	0	47	0	0	49	27	0	9	9	0
	N	2	2	2	1	2	2	2	0	2	0	1	2	2	0	2	2	0
	S	92	17	81	26	7	15	3	0	4	0	2	2	2	0	3	1	0
CE	M	11394	7160	4783	9219	417	410	160	0	67	49	45	37	55	0	18	15	6
	H	27937	8779	5745	36176	537	557	529	0	100	57	82	50	145	0	29	37	9
	L	4986	4420	3703	366	341	317	26	0	52	31	25	31	23	0	9	6	6
	N	10	10	10	8	10	10	10	0	10	5	10	7	10	0	10	5	7
	S	8637	1806	705	14008	61	80	177	0	16	12	22	9	45	4	6	12	2
HC	M	663	757	294	0	55	69	29	0	4.8	0	0	0	5.3	0	0	0	6
	H	773	821	432	0	82	69	32	0	6	0	0	0	6	0	0	0	6
	L	549	711	228	0	32	0	26	0	4	0	0	0	4	0	0	0	6
	N	4	4	4	0	4	1	4	0	4	0	0	0	4	0	0	0	2
	S	102	105	107	0	33	18	3	0	1	0	0	0	1	0	0	0	0
WH	M	17924	8328	5901	628	237	574	123	0	92	40	51	55	53	39	20	15	9
	H	32626	10795	7432	718	355	793	159	0	117	45	73	70	61	39	30	16	9
	L	13231	5994	4387	363	132	440	49	0	58	33	57	33	38	0	13	14	0
	N	6	6	6	6	6	6	5	0	6	4	6	4	6	1	6	2	1
	S	7031	1859	1123	203	91	117	50	0	24	13	9	18	9	14	5	7	0
NT	M	9414	5086	2466	0	300	252	226	93	43	0	26	38	21	0	12	0	9
	H	10035	5214	2477	0	307	292	256	93	43	0	32	39	21	0	13	0	9
	L	8792	4958	2455	0	293	211	195	0	43	0	20	37	20	0	10	0	8
	N	2	2	2	0	2	2	2	1	2	0	2	2	2	0	2	0	2
	S	621	128	11	0	7	41	31	0	0	0	6	1	1	0	2	0	1

M – average, H – maximum, L – minimum, N – number of measurements, S – standard deviation. RN – Rock-a-Nore, HA – Haddock's Cottages, CE – Cliff End, HC – Hastingford, WH – West Hoathly, NT – Northiam. Values shown as 0 are below the limits of detection and may be because the reported concentration is negative, less than or equal to the error value or indistinguishable statistically from the detection limit. +/- value is the average of the analytical uncertainty of the PXRF equipment for all the measurements for the given element