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*'FORT OF THE SPEAR SHAFTS' OR 'FARM HILL' - The Traprain Law Community And Environs Interpreted Through Botanic Remnants.*

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## **TABLES**

**Table 4.1** - The cereal assemblage data associated with the wider site and some 'Pond/Tank' contexts, from the Traprain Law 1999/2000 Excavation. This identification was undertaken by M. Church. Also includes data on minimal processing residues identified. This is previously unpublished data and has been reviewed during this investigation.

		1999											2000					
		309	151	154	155	156	157	201	52	53	337	338	339	508	509	511	584	TT3
		302	409	412	412	412	412	605	706	709	3127	3128	3128	512	508	512	C008	305
<b>GRAIN</b>	<b>Part</b>																	
Hordeum Sp.	Caryopsis	0	0	2	0	0	0	6	0	0	3	3	3	1	1	1	3	13
Hordeum CF. Naked	Caryopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Hordeum, Naked Symmetric	Caryopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Hordeum, Naked Asymmetric	Caryopsis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Hordeum, Hulled	Caryopsis	0	0	2	1	0	2	1	0	2	0	0	0	1	0	0	1	0
Hordeum, Hulled Symmetric	Caryopsis	0	0	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0
Hordeum, Hulled Asymmetric	Caryopsis	0	1	0	0	1	3	0	0	1	0	0	0	1	0	0	0	0
Triticum Sp.	Caryopsis	0	4	3	1	0	3	1	0	0	1	1	1	0	0	0	0	14
Triticum CF. Aestivo- Compactum L.	Caryopsis	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Triticum Dicoccum L. Schubl.	Caryopsis	0	0	3	0	0	2	1	2	0	2	0	0	3	0	0	0	8
Avena Sp.	Caryopsis	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Cereal Indeterminate	Caryopsis	0	0	1	7	1	17	1	3	1	5	5	2	0	3	2	0	25

<b>CHAFF</b>																		
Triticum Dicoccum L. Schubl.	Glume Base	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Cereal – Monocotyledon (>2mm)		0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0

**Table 4.2** - New data contribution. Traprain Law cereal data, previously unidentified from the 1999/2000 Excavation. The 'Pond/Tank' context associated data is highlighted, the non-highlighted data originates from wider site contexts, in these cases species had been identified by M. Church, dimensions etc. are a new contribution.

Specimen	Context	Sample	Species/Varietal	Length (Y)	Width (X)	Depth (Z)	Condition	Symmetric/Asymmetric	ISOTOPE	Weight (g)
01	3127	337	CF, Triticum	5.15	2.45	1.7	P5	N/A	N	N/A
02	3127	337	Triticum, Emmer	6.05	3.15	2.65	P3	N/A	Y	0.014
03	3127	337	Triticum, Emmer	5.55	2.8	2.6	P3	N/A	Y	0.008
04	3127	337	CF, Hordeum	5.3	3.55	2.6	P5	N/A	N	N/A
05	3127	337	CF, Hordeum	5.1	3.25	2.7	P4	N/A	Y	0.014
06	3127	337	Indeterminate	5.45	2.95	1.95	P6	N/A	N	N/A
07	3127	337	Indeterminate	4.35	2.85	2.4	P6	N/A	N	N/A
08	3127	337	Indeterminate	5.35	3.6	2.85	P6	N/A	N	N/A
09	3127	337	CF, Hordeum	4.85	3.85	2.1	P5	N/A	N	N/A
010	3127	337	Indeterminate	3.75	3.25	1.55	P6	N/A	N	N/A
011	3127	337	Indeterminate	5.35	3.3	2.55	P6	N/A	N	N/A
012	3127	337	Indeterminate	4.05	2.4	1.9	P6	N/A	N	N/A
013	3127	337	Indeterminate	3.7	2.1	1.65	P6	N/A	N	N/A
014	3127	337	Indeterminate	6.2	2.25	2.15	P6	N/A	N	N/A
01	3128	338	CF, Hordeum	7.15	3.8	3.2	P4	N/A	Y	0.031
02	3128	338	CF, Triticum	7.05	3.95	2.75	P5	N/A	N	N/A
03	3128	338	CF, Hordeum	5.75	3.55	2.6	P5	N/A	N	N/A
04	3128	338	CF, Hordeum	5.2	3.45	2.3	P5	N/A	N	N/A
05	3128	338	Indeterminate	5.95	2.85	2.35	P6	N/A	N	N/A
06	3128	338	Indeterminate	5.15	3.5	1.9	P5	N/A	N	N/A
07	3128	338	Indeterminate	5	3.05	1.8	P6	N/A	N	N/A
08	3128	338	Indeterminate	5.1	2.85	2.6	P6	N/A	N	N/A
09	3128	338	Indeterminate	3.8	3.35	1.65	P6	N/A	N	N/A
010	3128	338	Indeterminate	4.1	3.2	2.55	P6	N/A	N	N/A
011	3128	338	CF, Avena	5.05	2.1	1.65	P4	N/A	Y	0.011
01	3128	339	CF, Hordeum	4	2.8	2.6	P5	N/A	N	N/A
02	3128	339	CF, Hordeum	3.4	2.7	1.55	P5	N/A	N	N/A
03	3128	339	CF, Hordeum	4.95	3.35	2.45	P5	N/A	N	N/A
04	3128	339	Indeterminate	5.3	2.55	2.3	P6	N/A	N	N/A
05	3128	339	CF, Triticum	6.7	3.1	1.8	P5	N/A	N	N/A
06	3128	339	Indeterminate	5.5	3.35	2.55	P6	N/A	N	N/A

01	412	157	CF, Triticum	7.15	3.25	2.95	P4	N/A	Y	0.011
02	412	157	Hordeum, Hulled	6.05	3.35	2.8	P2	Sym.	Y	0.009
03	412	157	Hordeum, Hulled	5.4	3.25	2.8	P2	Asym.	Y	0.008
04	412	157	Hordeum, Hulled	5.1	2.95	2.35	P3	Asym.	Y	0.006
05	412	157	Hordeum, Hulled	4.2	2.2	1.75	P3	Asym.	Y	0.002
06	412	157	Triticum, Emmer	4.8	2.65	2.35	P3	N/A	Y	0.005
07	412	157	Triticum, Emmer	6.3	3.2	2.55	P3	N/A	Y	0.011
08	412	157	Triticum, Bread	5.6	4.05	3.55	P4	N/A	Y	0.012
09	412	157	CF, Hordeum	4.45	3.25	2.55	P4	N/A	Y	0.006
01	305	TT3	Triticum, Emmer	6.15	3.05	2.65	P4	N/A	Y	0.011
02	305	TT3	Hordeum, Naked	5.15	3.25	2.05	P3	Asym.	Y	0.009
03	305	TT3	Triticum, Emmer	6.3	3.1	2.7	P3	N/A	Y	0.012
04	305	TT3	Hordeum, Naked	6.7	3.55	2.85	P4	Asym.	Y	0.011
05	305	TT3	Triticum, Emmer	5.35	2.35	2.3	P4	N/A	Y	0.004
06	305	TT3	Triticum, Emmer	6.3	2.95	2.75	P3	N/A	Y	0.007
07	305	TT3	Hordeum, Naked	5.85	3	2.55	P4	Sym.	Y	0.006
08	305	TT3	Hordeum, Naked	6.2	3.1	2.8	P4	Sym.	Y	0.009
09	305	TT3	Hordeum, Naked	5.85	3.65	2.9	P4	Asym.	Y	0.009
010	305	TT3	Hordeum, Naked	4.7	2.15	2.1	P3	Asym.	Y	0.003
011	305	TT3	Hordeum, Naked	5.8	2.95	2.05	P4	Sym.	Y	0.006
012	305	TT3	Triticum, Emmer	5.15	2.9	2.65	P4	N/A	Y	0.006
01	512	508	Hordeum, Hulled	5.4	2.75	1.7	P3	Asym.	Y	0.005
01	412	156	Hordeum, Hulled	6.65	3.5	2.45	P3	Asym.	Y	0.008
02	412	156	Hordeum, Hulled	4.65	2.35	2.2	P3	Asym.	Y	0.004
01	709	53	Hordeum, Hulled	6.1	3.15	2.8	P4	Asym.	Y	0.015
01	412	154	CF, Hordeum	5.6	2.3	1.55	P3	Sym.	Y	0.003
02	412	154	CF, Hordeum	4.4	2.8	2.3	P4	N/A	Y	0.003
03	412	154	CF, Triticum	6.1	3.45	2.3	P4	N/A	Y	0.008
01	D105	545	Triticum, Emmer	6.05	2.55	2.4	P5	N/A	N	N/A
02	D105	545	CF, Hordeum	4.7	3.4	2.1	P5	N/A	N	N/A
03	D105	545	Indeterminate	4.95	4.15	2.9	P6	N/A	N	N/A
04	D105	545	CF, Hordeum	4.9	3.45	2.05	P4	N/A	Y	0.011
05	D105	545	Indeterminate	4.55	3.05	2.3	P6	N/A	N	N/A
06	D105	545	Triticum, Bread	4.55	3.85	2.85	P4	N/A	N	N/A
07	D105	545	Hordeum, Naked	5	3.3	2.75	P2	Asym.	Y	0.011
08	D105	545	Hordeum, Naked	4.6	2.7	2.15	P3	Asym.	Y	0.007

01	C004	581	CF, Hordeum	5.3	3.05	1.6	P3	N/A	Y	0.009
02	C004	581	CF, Hordeum	5.1	4.05	2.8	P5	N/A	N	N/A
01	C008	584	Hordeum, Naked	4.85	3.3	2.3	P2	Asym.	Y	0.008
02	C008	584	Hordeum, Naked	5.2	2.75	2.65	P3	Asym.	Y	0.006
01	715	58	CF, Hordeum	4.95	2.65	2.55	P5	N/A	N	N/A
02	715	58	Triticum, Emmer	5.15	2.8	2.55	P5	N/A	N	N/A
03	715	58	CF, Hordeum	4.9	2.45	1.65	P5	N/A	N	N/A
04	715	58	Indeterminate	3.9	3.55	2.6	P6	N/A	N	N/A
01	728	62	CF, Triticum	5.85	3.9	3.35	P5	N/A	N	N/A
02	728	62	CF, Hordeum	4.6	2.95	2.3	P5	N/A	N	N/A

**Table 4.3-** The 'Pond/Tank' feature associated identified Traprain Law 1999/2000 Excavation charcoal assemblage, new original contribution. Sample 5.337 identification analysis limited to 100 specimen sub-sample. Indeterminate identifications throughout samples removed from data record due to presenting no valid contribution to further interpretation. As many detailed morphological characteristics as possible recorded.

Specimen	Context	Sample	Species/ Varietal	No. Rings	Growth Ring Curvature	Roundwood	Diameter (mm)	Radial Cracks	Pith	Bark	Tyloses	Condition	ISOTOPE	Weight (g)	Vitrification	Insect Degradation
001	3127	5.337	Betula Sp.	8	Moderate	N	10.1	-	-	-	-	P4	N	0.108	-	-
002	3127	5.337	Salix Sp.	-	Indeterminate	N	11.9	-	-	-	-	P5	N	0.698	-	Y
003	3127	5.337	Salix Sp.	3	Moderate	N	7.6	-	-	-	-	P3	Y	0.318	-	-
004	3127	5.337	Betula Sp.	2	Moderate	N	7.4	-	-	-	-	P3	Y	0.397	-	-
005	3127	5.337	Betula Sp.	5	Moderate	N	9.2	-	-	-	-	P5	N	0.529	-	Y
006	3127	5.337	Quercus Sp.	-	Indeterminate	N	4.5	-	-	Y	-	P4	N	0.252	-	-
011	3127	5.337	Alnus Sp.	-	Indeterminate	N	5.1	-	-	-	-	P3	Y	0.224	-	-
014	3127	5.337	Alnus Sp.	-	Indeterminate	N	12.2	-	-	-	-	P2	Y	0.09	-	-
016	3127	5.337	Betula Sp.	-	Indeterminate	N	4.3	-	-	-	-	P3	Y	0.108	-	-
021	3127	5.337	Betula Sp.	4	Moderate	N	4.6	-	-	-	-	P3	Y	0.133	-	-
030	3127	5.337	Quercus Sp.	4	Strong	Y	5.2	Y	-	Y	-	P2	Y	0.078	-	-
032	3127	5.337	Salix Sp.	-	Indeterminate	N	5.3	-	-	-	-	P5	N	0.178	-	Y
055	3127	5.337	Salix Sp.	-	Indeterminate	N	5.7	-	-	-	-	P5	N	0.373	-	Y
059	3127	5.337	Alnus Sp.	-	Indeterminate	N	4.3	-	-	-	-	P4	Y	0.161	-	-
060	3127	5.337	Quercus Sp.	6	Strong	Y	9.9	Y	Y	-	-	P4	N	0.322	-	-
062	3127	5.337	Quercus Sp.	-	Indeterminate	N	5.9	-	-	-	-	P3	Y	0.143	-	-
063	3127	5.337	Betula Sp.	4	Moderate	Y	4.3	-	-	-	-	P5	N	0.179	-	-
065	3127	5.337	Quercus Sp.	9	Moderate	Y	6.6	-	-	-	-	P3	Y	0.138	-	-
069	3127	5.337	Betula Sp.	-	Indeterminate	N	6.1	-	-	-	-	P2	Y	0.195	-	-
070	3127	5.337	Betula Sp.	-	Indeterminate	N	5.8	-	-	-	-	P5	N	0.118	-	-
072	3127	5.337	Maloideae Sp.	-	Indeterminate	N	5.5	-	-	-	-	P3	Y	0.135	-	-
073	3127	5.337	Betula Sp.	3	Moderate	N	7.3	-	-	-	-	P5	N	0.108	-	Y
079	3127	5.337	Quercus Sp.	6	Moderate	N	6.7	-	-	-	-	P5	N	0.135	-	-
082	3127	5.337	Quercus Sp.	4	Strong	N	4.9	Y	-	-	-	P2	Y	0.142	-	-
084	3127	5.337	Corylus Avellana	2	Strong	Y	4.4	-	-	-	-	P3	Y	0.098	-	-
085	3127	5.337	Betula Sp.	-	Indeterminate	N	4.1	-	-	-	-	P4	N	0.087	-	-
096	3127	5.337	Salix Sp.	-	Indeterminate	N	4.3	-	-	-	-	P3	Y	0.093	-	-
127	3127	5.337	Betula Sp.	-	Indeterminate	N	10.7	-	-	-	-	P3	Y	0.599	-	-
128	3127	5.337	Salix Sp.	-	Indeterminate	N	5.7	-	-	-	-	P3	Y	0.393	-	-
131	3127	5.337	Corylus Avellana	-	Indeterminate	N	9.8	-	-	-	-	P2	Y	0.384	-	-
132	3127	5.337	Betula Sp.	3	Moderate	Y	7.9	-	-	-	-	P2	Y	0.283	-	-
134	3127	5.337	Corylus Avellana	9	Strong	N	11.9	-	Y	Y	-	P4	N	0.459	-	-
135	3127	5.337	Betula Sp.	6	Moderate	Y	8.3	-	-	Y	-	P4	N	0.304	-	Y
136	3127	5.337	Corylus Avellana	4	Strong	N	5.1	-	-	-	-	P2	Y	0.272	-	-
137	3127	5.337	Alnus Sp.	4	Moderate	N	4.9	-	-	-	-	P2	Y	0.179	-	-
138	3127	5.337	Betula Sp.	-	Indeterminate	N	6.7	-	-	-	-	P5	N	0.382	-	-
148	3127	5.337	Alnus Sp.	-	Indeterminate	N	4.5	-	-	-	-	P4	Y	0.12	-	-
149	3127	5.337	Quercus Sp.	-	Indeterminate	N	4.2	-	-	-	-	P6	N	0.135	-	Y
150	3127	5.337	Alnus Sp.	-	Indeterminate	N	5.1	-	-	-	-	P6	N	0.076	-	-

158	3127	5.337	Corylus Avellana	4	Moderate	N	6.6	-	-	-	-	P3	Y	0.121	-	-
165	3127	5.337	Corylus Avellana	5	Strong	Y	7.9	-	Y	-	-	P3	Y	0.063	-	-
168	3127	5.337	Salix Sp.	3	Moderate	Y	7.6	-	-	Y	-	P2	Y	0.158	-	-
180	3127	5.337	Maloideae Sp.	-	Indeterminate	N	6.2	-	-	-	-	P3	Y	0.102	-	-
185	3127	5.337	Salix Sp.	-	Indeterminate	N	5.7	-	-	-	-	P3	Y	0.077	-	-
191	3127	5.337	Betula Sp.	-	Indeterminate	N	4.1	-	-	-	-	P4	N	0.065	-	-
196	3127	5.337	Alnus Sp.	-	Indeterminate	N	6.4	-	-	-	-	P5	N	0.068	-	-
201	3127	5.337	Alnus Sp.	-	Indeterminate	N	5.4	-	-	-	-	P4	N	0.071	-	Y
203	3127	5.337	Alnus Sp.	-	Indeterminate	N	5.1	-	-	-	-	P5	N	0.094	-	Y
210	3127	5.337	Alnus Sp.	6	Strong	N	7.9	-	-	-	-	P4	Y	0.165	-	-
211	3127	5.337	Quercus Sp.	8	Strong	Y	9.4	Y	Y	-	-	P3	Y	0.264	-	-
213	3127	5.337	Salix Sp.	4	Moderate	N	5.1	-	-	-	-	P2	Y	0.108	-	-
214	3127	5.337	Alnus Sp.	4	Strong	N	4.1	-	-	-	-	P2	Y	0.168	-	-
215	3127	5.337	Quercus Sp.	5	Strong	Y	4.3	Y	-	-	-	P2	Y	0.241	-	-
216	3127	5.337	Corylus Avellana	4	Moderate	Y	6.6	-	-	-	-	P3	Y	0.11	-	-
224	3127	5.337	Alnus Sp.	4	Moderate	N	4.7	-	-	-	-	P3	Y	0.113	-	-
226	3127	5.337	Betula Sp.	-	Indeterminate	N	6.2	-	-	Y	-	P3	Y	0.208	-	-
229	3127	5.337	Maloideae Sp.	-	Indeterminate	N	5.3	-	-	-	-	P4	Y	0.13	-	-
236	3127	5.337	Betula Sp.	2	Moderate	N	4.2	-	-	-	-	P5	N	0.204	-	Y
239	3127	5.337	Betula Sp.	4	Moderate	Y	6.1	-	-	Y	-	P2	Y	0.271	-	-
242	3127	5.337	Corylus Avellana	7	Strong	Y	5.3	-	-	-	-	P5	N	0.246	-	Y
244	3127	5.337	Alnus Sp.	4	Moderate	N	5.6	-	-	-	-	P2	Y	0.142	-	-
248	3127	5.337	Maloideae Sp.	-	Indeterminate	N	4.9	-	-	-	-	P3	Y	0.286	-	-
249	3127	5.337	Salix Sp.	-	Indeterminate	N	11.3	-	-	-	-	P3	Y	0.678	-	-
250	3127	5.337	Pinus Sp.	-	Indeterminate	N	9.8	-	-	-	-	P5	N	0.434	-	-
272	3127	5.337	Betula Sp.	-	Indeterminate	N	4.7	-	-	-	-	P5	N	0.131	-	-
274	3127	5.337	Quercus Sp.	-	Indeterminate	N	4.2	-	-	-	-	P4	Y	0.077	-	-
280	3127	5.337	Betula Sp.	-	Indeterminate	N	5.3	-	-	-	-	P5	N	0.108	-	Y
281	3127	5.337	Betula Sp.	-	Indeterminate	N	5.2	-	-	-	-	P6	N	0.061	-	Y
283	3127	5.337	Sambucus Sp.	-	Indeterminate	N	6.1	-	-	-	-	P5	N	0.063	-	-
291	3127	5.337	Salix Sp.	2	Moderate	N	4.1	-	-	-	-	P3	Y	0.089	-	-
301	3127	5.337	Corylus Avellana	-	Indeterminate	N	6.4	-	-	-	-	P3	Y	0.231	-	-
304	3127	5.337	Maloideae Sp.	-	Indeterminate	N	6.3	-	-	-	-	P3	Y	0.225	-	-
305	3127	5.337	Betula Sp.	7	Strong	Y	6.7	-	-	Y	-	P4	N	0.257	-	-
309	3127	5.337	Betula Sp.	6	Strong	Y	4.8	-	-	-	-	P5	N	0.139	-	Y
314	3127	5.337	Alnus Sp.	6	Moderate	N	4.2	-	-	-	-	P4	N	0.075	-	-
315	3127	5.337	Corylus Avellana	4	Moderate	Y	4.6	-	-	-	-	P4	N	0.104	-	-
316	3127	5.337	Corylus Avellana	5	Strong	N	4.6	-	Y	-	-	P2	Y	0.108	-	-
317	3127	5.337	Alnus Sp.	-	Indeterminate	N	5.2	-	-	-	-	P5	N	0.068	-	-
324	3127	5.337	Betula Sp.	4	Moderate	N	5.1	-	-	-	-	P5	N	0.054	-	-
332	3127	5.337	Betula Sp.	4	Moderate	N	4.7	-	-	-	-	P5	N	0.047	-	-
351	3127	5.337	Betula Sp.	6	Moderate	Y	8.2	-	-	Y	-	P4	N	0.205	-	-
352	3127	5.337	Betula Sp.	4	Strong	Y	5.1	-	-	-	-	P2	Y	0.089	-	-
357	3127	5.337	Salix Sp.	2	Moderate	N	4.7	-	-	-	-	P4	Y	0.103	-	-

360	3127	5.337	Maloideae Sp.	-	Indeterminate	N	4.5	-	-	-	-	P4	Y	0.121	-	-
372	3127	5.337	Betula Sp.	-	Indeterminate	N	4.2	-	-	-	-	P6	N	0.089	-	-
373	3127	5.337	Quercus Sp.	7	Strong	Y	6.4	-	-	Y	-	P4	N	0.272	-	Y
374	3127	5.337	Alnus Sp.	5	Strong	N	6.8	-	-	-	-	P3	Y	0.259	-	-
376	3127	5.337	Corylus Avellana	-	Indeterminate	N	6.8	-	-	-	-	P3	Y	0.217	-	-
379	3127	5.337	Corylus Avellana	4	Strong	N	5.6	-	Y	-	-	P2	Y	0.119	-	-
381	3127	5.337	Betula Sp.	4	Moderate	N	4.5	-	-	-	-	P4	Y	0.107	-	-
382	3127	5.337	Maloideae Sp.	-	Indeterminate	N	6.5	-	-	-	-	P4	Y	0.087	-	-
386	3127	5.337	Maloideae Sp.	-	Indeterminate	N	5.2	-	-	-	-	P3	Y	0.104	-	-
387	3127	5.337	Alnus Sp.	-	Indeterminate	N	5.9	-	-	-	-	P5	N	0.108	-	-
391	3127	5.337	Quercus Sp.	3	Moderate	N	4.1	Y	-	-	-	P2	Y	0.082	-	-
393	3127	5.337	Salix Sp.	3	Moderate	N	4.3	-	-	-	-	P2	Y	0.053	-	-
401	3127	5.337	Quercus Sp.	3	Moderate	N	4.7	-	-	Y	-	P3	Y	0.056	-	-
477	3127	5.337	Betula Sp.	4	Moderate	N	7.1	-	-	-	-	P4	N	0.081	-	Y
487	3127	5.337	Quercus Sp.	-	Indeterminate	N	5.3	-	-	-	-	P3	Y	0.044	-	-
562	3127	5.337	Alnus Sp.	-	Indeterminate	N	5.5	-	-	-	-	P5	N	0.047	-	-
568	3127	5.337	Quercus Sp.	-	Indeterminate	N	5.6	-	-	Y	-	P4	N	0.5	-	-
672	3117	5.336	Corylus Avellana	7	Strong	Y	6.3	-	Y	-	-	P2	N	0.238	-	Y
673	3117	5.336	Salix Sp.	-	Indeterminate	N	8.2	-	-	-	-	P4	N	0.197	-	-
674	3117	5.336	Corylus Avellana	-	Indeterminate	N	7.3	-	-	-	-	P4	N	0.157	-	-
675	3117	5.336	Salix Sp.	-	Indeterminate	N	5.1	-	-	-	-	P5	N	0.057	-	-
676	3117	5.336	Quercus Sp.	3	Moderate	N	5.5	-	-	-	-	P4	N	0.093	-	-
677	3117	5.336	Corylus Avellana	4	Strong	Y	5.3	-	-	-	-	P3	N	0.053	-	-
678	3117	5.336	Corylus Avellana	8	Moderate	Y	6.2	-	Y	-	-	P3	N	0.067	-	-
679	3117	5.336	Betula Sp.	4	Moderate	N	4.6	-	-	Y	-	P5	N	0.047	-	Y
680	3117	5.336	Salix Sp.	3	Moderate	N	4.9	-	-	-	-	P4	N	0.045	-	-
681	3117	5.336	Corylus Avellana	3	Strong	N	4.6	-	-	-	-	P2	N	0.024	-	-
683	3117	5.336	Corylus Avellana	-	Indeterminate	N	8.9	-	-	-	-	P6	N	0.053	-	Y
684	3117	5.336	Salix Sp.	-	Indeterminate	N	6.5	-	-	-	-	P5	N	0.045	-	-
001	3128	338	Quercus Sp.	3	Strong	-	-	-	Y	-	-	Poor	-	-	-	Y
002	3128	338	Corylus Avellana	7	Strong	-	-	-	-	-	-	Poor	-	-	-	-
004	3128	338	Corylus Avellana	3	Strong	-	-	-	-	-	-	Poor	-	-	-	-
005	3128	338	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
006	3128	338	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-

008	3128	338	Corylus Avellana	3	Strong	-	-	-	-	-	-	Poor	-	-	-	-
010	3128	338	Betula Sp.	3	Strong	-	-	-	-	-	-	Poor	-	-	-	-
012	3128	338	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
013	3128	338	Corylus Avellana	4 +	Strong	-	-	-	-	-	-	Poor	-	-	-	-
014	3128	338	Diffuse, Indeterminate	4 +	Strong	-	-	-	-	-	-	Poor	-	-	-	-
015	3128	338	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
016	3128	338	Corylus Avellana	4	Moderate	-	-	-	-	-	-	Poor	-	-	-	-
017	3128	338	Quercus Sp.	2	Moderate	-	-	-	-	-	-	Poor	-	-	-	-
018	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
019	3128	338	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
020	3128	338	Quercus Sp.	6	Weak	-	-	-	-	-	-	Poor	-	-	-	-
021	3128	338	Maloideae Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
022	3128	338	Betula Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	Y
025	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
026	3128	338	Fraxinus Sp.	4	Strong	-	-	-	-	-	-	Poor	-	-	-	-
028	3128	338	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
029	3128	338	Corylus Avellana	3	Strong	-	-	-	-	-	-	Poor	-	-	-	-
030	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
031	3128	338	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
032	3128	338	Betula Sp.	5 +	Moderate	-	-	-	-	-	-	Poor	-	-	-	-
033	3128	338	Corylus Avellana	3	Strong	-	-	-	-	-	-	Poor	-	-	-	-
034	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
035	3128	338	Diffuse, Indeterminate	5	Strong	-	-	-	-	-	-	Poor	-	-	-	-
037	3128	338	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
039	3128	338	Quercus Sp.	2	Strong	-	-	-	Y	-	-	Poor	-	-	-	-
041	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
042	3128	338	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
043	3128	338	Quercus Sp.	9 +	Strong	-	-	-	-	-	-	Poor	-	-	-	-

044	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
045	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
046	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
047	3128	338	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
048	3128	338	Alnus Sp.	3 +	Strong	-	-	-	-	-	-	Poor	-	-	-	-
049	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
050	3128	338	Prunus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
051	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
052	3128	338	Corylus Avellana	6 +	Strong	-	-	-	-	-	-	Poor	-	-	-	-
053	3128	338	Corylus Avellana	6 +	Strong	-	-	-	-	-	-	Poor	-	-	-	-
056	3128	338	Corylus Avellana	5	Strong	-	-	-	-	-	-	Poor	-	-	-	-
057	3128	338	Quercus Sp.	3	Strong	-	-	-	-	-	-	Poor	-	-	-	-
058	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
061	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
062	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
063	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
064	3128	338	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
065	3128	338	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
066	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
067	3128	338	Corylus Avellana	3	Strong	-	-	-	-	-	-	Poor	-	-	-	-
071	3128	338	Corylus Avellana	3	Strong	-	-	-	-	-	-	Poor	-	-	-	-
072	3128	338	Prunus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
073	3128	338	Quercus Sp.	4	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
074	3128	338	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
075	3128	338	Corylus Avellana	5	Strong	-	-	-	-	-	-	Poor	-	-	-	-

076	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
078	3128	338	Betula Sp.	3	Strong	-	-	-	-	-	-	Poor	-	-	-	-
079	3128	338	Quercus Sp.	3	Strong	-	-	-	-	-	-	Poor	-	-	-	-
080	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
082	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
083	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
086	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
087	3128	338	Corylus Avellana	4	Strong	-	-	-	-	-	-	Poor	-	-	-	-
088	3128	338	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
090	3128	338	Quercus Sp.	3	Strong	-	-	-	-	-	-	Poor	-	-	-	-
091	3128	338	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
092	3128	338	Salix Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
093	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
094	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
095	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
096	3128	338	Quercus Sp.	5	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
098	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
099	3128	338	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
100	3128	338	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
102	3128	338	Corylus Avellana	3	Strong	-	-	-	-	-	-	Poor	-	-	-	-
103	3128	338	Quercus Sp.	4	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
106	3128	338	Corylus Avellana	6	Strong	-	-	-	-	-	-	Poor	-	-	-	-
107	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
108	3128	338	Quercus Sp.	3	Strong	-	-	-	-	-	-	Poor	-	-	-	-
110	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-

111	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
113	3128	338	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
116	3128	338	Fraxinus Sp.	2	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
117	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
118	3128	338	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
121	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
123	3128	338	Corylus Avellana	4 +	Strong	-	-	-	-	-	-	Poor	-	-	-	-
124	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
125	3128	338	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
126	3128	338	Quercus Sp.	3	Strong	-	-	-	-	-	-	Poor	-	-	-	-
127	3128	338	Salix Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
130	3128	338	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
131	3128	338	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
132	3128	338	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
134	3128	338	Corylus Avellana	5	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
135	3128	338	Corylus Avellana	7 +	Strong	-	-	-	-	-	-	Poor	-	-	-	-
136	3128	338	Prunus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
138	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
141	3128	338	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
142	3128	338	Quercus Sp.	2	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
143	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
144	3128	338	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
145	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
146	3128	338	Corylus Avellana	3	Strong	-	-	-	-	-	-	Poor	-	-	-	-
149	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
150	3128	338	Diffuse, Indeterminate	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-

001	3128	339	Quercus Sp.	2	Moderate	-	-	-	-	-	-	Poor	-	-	-	-
002	3128	339	Quercus Sp.	3	Strong	-	-	Y	Y	-	-	Poor	-	-	-	-
003	3128	339	Quercus Sp.	2	Moderate	-	-	-	-	-	-	Poor	-	-	-	-
004	3128	339	Quercus Sp.	6	Strong	-	-	Y	-	-	-	Poor	-	-	-	-
005	3128	339	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
006	3128	339	Corylus Avellana	4	Strong	-	-	-	-	-	-	Poor	-	-	-	-
007	3128	339	Corylus Avellana	4	Moderate	-	-	-	-	-	-	Poor	-	-	-	Y
008	3128	339	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
009	3128	339	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
010	3128	339	Corylus Avellana	> 4	Strong	-	-	-	-	Y	-	Poor	-	-	-	-
011	3128	339	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
012	3128	339	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
014	3128	339	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
015	3128	339	Corylus Avellana	3	Moderate	-	-	-	-	-	-	Poor	-	-	-	-
016	3128	339	Corylus Avellana	5	Strong	-	-	-	Y	-	-	Poor	-	-	-	Y
018	3128	339	Quercus Sp.	6	Strong	-	-	Y	-	-	-	Poor	-	-	-	-
019	3128	339	Corylus Avellana	4	Strong	-	-	-	-	-	-	Poor	-	-	-	-
020	3128	339	Quercus Sp.	4	Moderate	-	-	-	-	-	-	Poor	-	-	-	-
022	3128	339	Corylus Avellana	7	Strong	-	-	-	-	-	-	Poor	-	-	-	Y
025	3128	339	Quercus Sp.	5	Moderate	-	-	Y	-	-	-	Poor	-	-	-	-
026	3128	339	Corylus Avellana	4	Strong	-	-	-	-	-	-	Poor	-	-	-	Y
028	3128	339	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
029	3128	339	Ilex Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
030	3128	339	Corylus Avellana	4	Strong	-	-	-	-	-	-	Poor	-	-	-	-
031	3128	339	Quercus Sp.	-	Indeterminate	-	-	Y	-	-	-	Poor	-	-	-	-
033	3128	339	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
038	3128	339	Quercus Sp.	3	Strong	-	-	-	-	-	-	Poor	-	-	-	-
039	3128	339	Betula Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
042	3128	339	Betula Sp.	-	Indeterminate	-	-	-	-	Y	-	Poor	-	-	-	-
045	3128	339	Quercus Sp.	7	Moderate	-	-	-	-	-	-	Poor	-	-	-	-
046	3128	339	Salix Sp.	3	Moderate	-	-	-	-	-	-	Poor	-	-	-	-

048	3128	339	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
050	3128	339	Quercus Sp.	5	Strong	-	-	-	-	-	-	Poor	-	-	-	-
053	3128	339	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
054	3128	339	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
055	3128	339	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
056	3128	339	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	Y
057	3128	339	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
058	3128	339	Prunus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
059	3128	339	Quercus Sp.	5	Moderate	-	-	-	-	-	-	Poor	-	-	-	-
060	3128	339	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
061	3128	339	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
062	3128	339	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	Y
064	3128	339	Corylus Avellana	5	Strong	-	-	-	-	-	-	Poor	-	-	-	-
065	3128	339	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
066	3128	339	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
068	3128	339	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
069	3128	339	Quercus Sp.	3	Moderate	-	-	-	-	-	-	Poor	-	-	-	-
070	3128	339	Betula Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
072	3128	339	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
073	3128	339	Quercus Sp.	7	Strong	-	-	-	-	-	-	Poor	-	-	-	-
074	3128	339	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
075	3128	339	Salix Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
076	3128	339	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
078	3128	339	Fraxinus Sp.	2	Moderate	-	-	-	-	-	-	Poor	-	-	-	-
079	3128	339	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
080	3128	339	Quercus Sp.	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
081	3128	339	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-
082	3128	339	Corylus Avellana	-	Indeterminate	-	-	-	-	-	-	Poor	-	-	-	-

Table 4.4 - The Traprain Law 1999/2000 Excavation charcoal assemblage largely from the wider site contexts. Identified by M. Church, although previously unpublished. The dataset in this case is not extensive, indeterminate specimens included in the record. Preservation situation of material overall good.

		1999-2000																			
		151	154	155	156	157	201	202	203	204	205	337	336	338	339	846	845	844	843	842	TT3
		409	412	412	412	412	605	605	605	605	605	3127	3117	3128	3128	306	306	306	306	305	305
<b>Deciduous - Roundwood</b>	<b>Part</b>																				
Alnus Sp. Roundwood	Ramus	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Betula Sp. Roundwood	Ramus	0	0	0	0	5	0	0	0	0	0	8	0	0	0	0	0	0	0	0	4
Corylus Sp. Roundwood	Ramus	5	6	7	3	13	5	2	0	1	2	5	3	0	0	0	0	0	0	3	2
Fraxinus Sp. Roundwood	Ramus	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maloideae Undiff. Roundwood	Ramus	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quercus Sp. Roundwood	Ramus	1	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0
Ulmus Sp. Roundwood	Ramus	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix Sp. Roundwood	Ramus	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
<b>Deciduous - Timber</b>																					
Alnus Sp.	Ramus	0	2	1	0	0	3	0	1	0	7	18	0	1	0	0	0	0	0	1	2
Betula Sp.	Ramus	3	7	2	2	13	0	0	0	0	10	22	1	4	3	0	0	0	0	2	3
Corylus Sp.	Ramus	0	3	2	0	4	0	0	0	0	0	8	3	31	22	0	0	0	0	1	7
Quercus Sp.	Ramus	3	7	4	2	14	4	0	2	2	1	10	1	28	29	0	0	0	0	0	2
Ulmus Sp.	Ramus	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salix Sp.	Ramus	0	0	0	0	0	0	0	0	0	0	12	4	2	2	0	0	0	0	0	0
Maloideae Sp.	Ramus	0	0	0	0	0	0	0	0	0	0	8	0	1	0	0	0	0	0	0	0
Pinus Sp.	Ramus	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Sambucus Sp.	Ramus	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Prunus Sp.	Ramus	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0
Fraxinus Sp.	Ramus	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0
Ilex Sp.	Ramus	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<b>Indeterminate</b>																					

Amorphous Burnt Plant Material	Indeterminate	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Bark	Rhytidome	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Dicotyledenous Timber	Ramus	0	3	4	3	20	4	1	0	0	3	0	0	0	0	0	0	0	0	0	6
Indet. Rootwood	Root - Primary/Secondary	0	2	0	0	0	3	0	0	1	0	0	0	0	0	7	1	11	20	80	1
Indet. Wood	Ramus	0	0	0	0	0	0	0	0	0	0	0	0	41	25	0	0	0	0	0	0
Diffuse Wood - General	Ramus	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0

**Table 4.5** - Record of all classified weed seeds from the wider site and some 'Pond/Tank' contexts, all recovered from the 1999/2000 Excavation of the Traprain Law summit site. This identification was undertaken by M. Church. This is a minimal assemblage, with overall recorded poor preservation. Previously unpublished.

SPECIES	Part	1999											2000					
		309	151	154	155	156	157	201	52	53	337	338	339	508	509	511	584	TT3
		302	409	412	412	412	412	605	706	709	3127	3128	3128	512	508	512	C008	305
Brassica/Sinapis Sp.	Seed	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
Chenopodium Album L.	Seed	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0
Chenopodium/Atriplex Sp.	Seed	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Plantago Lanceolata L.	Seed	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae Undiff.	Caryopsis	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Polygonum Sp.	Nutlet	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rumex Crispus/Obtusifolius L.	Nutlet	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Cereal - Monocotyledon (<2mm) (CN)	Culm Node	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Cereal - Monocotyledon (<2mm) (CB)	Culm Base	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
Indeterminate (>2mm)	Rhizome	1	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0
Indeterminate (<2mm)	Rhizome	2	1	0	0	2	4	0	4	0	0	0	0	0	0	3	0	0
Indeterminate Seed/Fruit	Seed/Fruit	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1
Indeterminate Trigonous Seed/Fruit	Seed/Fruit	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Corylus Sp. Avellana	Nutshell	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0
Fungal Sclerotia		0	0	P	P	P	P	P	0	0	0	0	0	P	0	0	0	P

**Table 5.1** – Isotopic data analysis for suitable specimens of Traprain Law 1999/2000 Excavation cereal assemblage, both carbon ( $\delta^{13}\text{C}$ ) and nitrogen ( $\delta^{15}\text{N}$ ) isotopic analysis conducted. Calculated  $\Delta^{13}\text{C}$  values also recorded. Specimens originate from ‘Pond/Tank’ and wider site contexts. Choice for analysis based on >P4 Preservation notation.

Isotope Sample	Sample	Context	Grain	Species/Varietal	Preservation	Mass	%N	$\delta^{15}\text{N}$ (‰)	%C	$\delta^{13}\text{C}$ (‰)	CNatomic	$\Delta^{13}\text{C}$ (‰)
TRAP IS.1	337	3127	2	CF, Emmer	P3	0.014	2.12	3.32	31.57	-22.00	17.3	15.95
TRAP IS.2	337	3127	3	CF, Emmer	P3	0.008	2.03	3.29	35.76	-20.20	20.6	14.09
TRAP IS.3	337	3127	5	CF, Hordeum	P4	0.014	N/A	N/A	14.86	-27.07	N/A	21.25
TRAP IS.4	338	3128	1	CF, Hordeum	P4	0.031	1.13	6.55	14.56	-24.00	15.0	18.03
TRAP IS.5	338	3128	11	CF, Avena	P4	0.011	N/A	N/A	11.18	-25.55	N/A	19.65
TRAP IS.6	157	412	1	CF, Triticum	P4	0.011	2.30	3.13	30.13	-21.49	15.3	15.42
TRAP IS.7	157	412	2	Hordeum, Hulled	P2	0.009	3.16	4.42	47.24	-23.44	17.4	17.45
TRAP IS.8	157	412	3	Hordeum, Hulled	P2	0.008	2.71	6.91	60.92	-22.45	26.2	16.42
TRAP IS.9	157	412	4	Hordeum, Hulled	P3	0.006	2.54	4.27	55.00	-24.23	25.3	18.27
TRAP IS.11	157	412	6	Triticum, Emmer	P3	0.005	3.56	4.61	50.00	-22.40	16.4	16.37
TRAP IS.13	157	412	8	Triticum, Bread	P4	0.012	3.63	8.06	50.42	-22.81	16.2	16.79
TRAP IS.14	157	412	9	CF, Hordeum	P4	0.006	2.47	4.36	57.88	-22.78	27.3	16.76
TRAP IS.15	TT3	305	1	Triticum, Emmer	P4	0.011	2.64	4.80	42.32	-21.88	18.7	15.83
TRAP IS.16	TT3	305	2	Hordeum, Naked	P4/3	0.009	2.06	5.13	59.09	-23.16	33.5	17.16
TRAP IS.17	TT3	305	3	Triticum, Emmer	P3	0.012	4.16	4.10	41.65	-21.90	11.7	15.85
TRAP IS.18	TT3	305	4	Hordeum, Naked	P4	0.011	2.36	6.61	54.65	-23.73	27.1	17.75
TRAP IS.19	TT3	305	5	Triticum, Emmer	P4	0.004	3.15	5.77	44.50	-21.93	16.5	15.88
TRAP IS.20	TT3	305	6	Triticum, Emmer	P3	0.007	3.37	3.35	52.00	-22.24	18.0	16.20
TRAP IS.21	TT3	305	7	Hordeum, Naked	P4	0.006	2.51	7.00	49.25	-24.55	22.9	18.61
TRAP IS.22	TT3	305	8	Hordeum, Naked	P4	0.009	2.79	6.35	50.31	-23.48	21.0	17.49
TRAP IS.23	TT3	305	9	Hordeum, Naked	P4	0.009	2.07	3.62	43.86	-24.49	24.8	18.54
TRAP IS.25	TT3	305	11	Hordeum, Naked	P4	0.006	2.42	4.38	52.14	-24.37	25.2	18.42
TRAP IS.26	TT3	305	12	Triticum, Emmer	P4	0.006	2.95	2.80	48.07	-20.93	19.0	14.84
TRAP IS.27	508	512	1	Hordeum, Hulled	P3	0.005	2.56	5.25	51.83	-21.56	23.6	15.49
TRAP IS.28	156	412	1	Hordeum, Hulled	P3	0.008	3.20	2.99	52.50	-23.55	19.1	17.56
TRAP IS.29	156	412	2	Hordeum, Hulled	P3	0.004	3.12	3.71	50.34	-22.84	18.8	16.82
TRAP IS.30	53	N/A	1	Hordeum, Hulled	P4	0.015	1.59	4.07	39.02	-23.32	28.5	17.32
TRAP IS.31	154	N/A	1	CF, Hordeum	P3	0.003	3.05	3.18	45.20	-24.25	17.3	18.29
TRAP IS.32	154	N/A	2	CF, Hordeum	P4	0.003	2.36	2.39	47.75	-22.54	23.6	16.51
TRAP IS.33	154	N/A	3	CF, Triticum	P4	0.008	2.56	3.22	40.05	-21.78	18.3	15.72
TRAP IS.34	545	N/A	1	Hordeum, Naked	P2	0.011	1.80	3.95	46.27	-23.07	30.0	17.06

TRAP IS.35	545	N/A	2	Hordeum, Naked	P3	0.007	2.07	3.90	56.79	-23.25	31.9	17.25
TRAP IS.37	584	N/A	1	Hordeum, Naked	P2	0.008	1.61	8.02	37.25	-23.76	26.9	17.78
TRAP IS.38	584	N/A	2	Hordeum, Naked	P3	0.006	2.15	7.55	45.47	-23.93	24.7	17.96
TRAP IS.39	545	N/A	4	CF, Hordeum	P4	0.011	2.14	3.90	43.78	-22.71	23.9	16.69

**Table 5.2** – Isotopic data analysis for suitable specimens of Traprain Law 1999/2000 Excavation charcoal assemblage, both carbon ( $\delta^{13}\text{C}$ ) and nitrogen ( $\delta^{15}\text{N}$ ) isotopic analysis conducted. Calculated  $\Delta^{13}\text{C}$  values also recorded. Specimens originate from ‘Pond/Tank’ contexts. Choice for analysis based on >P4 Preservation notation and species grouping for representation.

Isotope Sample	Sample	Context	No.	Species/Varietal	Preservation	Mass	%N	$\delta^{15}\text{N}$ (‰)	%C	$\delta^{13}\text{C}$ (‰)	$\Delta^{13}\text{C}$ (‰)
TRAP IS.40	5.337	3127	TRAP-391	Quercus Sp.	P2	0.082	N/A	N/A	12.54	-27.55	21.75
TRAP IS.41	5.337	3127	TRAP-62	Quercus Sp.	P3	0.143	N/A	N/A	19.10	-24.87	18.94
TRAP IS.42	5.337	3127	TRAP-487	Quercus Sp.	P3	0.044	0.30	5.79	19.70	-25.99	20.11
TRAP IS.43	5.337	3127	TRAP-401	Quercus Sp.	P3	0.056	N/A	N/A	20.77	-24.84	18.91
TRAP IS.44	5.337	3127	TRAP-65	Quercus Sp.	P3	0.138	0.30	5.88	7.15	-25.35	19.44
TRAP IS.45	5.337	3127	TRAP-30	Quercus Sp.	P2	0.078	N/A	N/A	12.04	-24.79	18.86
TRAP IS.46	5.337	3127	TRAP-211	Quercus Sp.	P3	0.264	0.30	4.91	19.63	-24.52	18.58
TRAP IS.47	5.337	3127	TRAP-215	Quercus Sp.	P2	0.241	0.20	5.49	17.25	-25.81	19.92
TRAP IS.48	5.337	3127	TRAP-82	Quercus Sp.	P2	0.142	0.20	5.74	21.68	-27.15	21.33
TRAP IS.49	5.337	3127	TRAP-274	Quercus Sp.	P4	0.077	0.20	6.64	16.12	-24.66	18.72
TRAP IS.50	5.337	3127	TRAP-180	Maloideae Sp.	P3	0.102	0.20	5.99	21.37	-25.41	19.51
TRAP IS.51	5.337	3127	TRAP-229	Maloideae Sp.	P4	0.13	0.20	6.37	19.36	-24.32	18.37
TRAP IS.52	5.337	3127	TRAP-248	Maloideae Sp.	P3	0.286	N/A	N/A	20.89	-25.82	19.94
TRAP IS.53	5.337	3127	TRAP-360	Maloideae Sp.	P4	0.121	N/A	N/A	14.83	-25.35	19.41
TRAP IS.54	5.337	3127	TRAP-304	Maloideae Sp.	P3	0.225	0.20	5.89	13.99	-28.72	22.98
TRAP IS.55	5.337	3127	TRAP-72	Maloideae Sp.	P3	0.135	0.30	6.45	15.83	-25.97	20.09
TRAP IS.56	5.337	3127	TRAP-382	Maloideae Sp.	P4	0.087	0.30	7.15	13.32	-26.10	20.23
TRAP IS.57	5.337	3127	TRAP-386	Maloideae Sp.	P3	0.104	0.20	6.59	18.79	-24.20	18.24
TRAP IS.58	5.337	3127	TRAP-96	Salix Sp.	P3	0.093	0.30	6.18	15.33	-25.38	19.47
TRAP IS.59	5.337	3127	TRAP-185	Salix Sp.	P3	0.077	0.20	6.45	21.17	-23.25	17.25
TRAP IS.60	5.337	3127	TRAP-357	Salix Sp.	P4	0.103	N/A	N/A	18.62	-25.16	19.24
TRAP IS.61	5.337	3127	TRAP-393	Salix Sp.	P2	0.053	0.20	6.71	13.52	-24.39	18.44
TRAP IS.62	5.337	3127	TRAP-168	Salix Sp.	P2	0.158	N/A	N/A	13.56	-24.45	18.50
TRAP IS.63	5.337	3127	TRAP-213	Salix Sp.	P2	0.108	0.30	8.61	9.43	-25.59	19.69
TRAP IS.64	5.337	3127	TRAP-128	Salix Sp.	P3	0.393	0.20	5.63	20.79	-24.94	19.01
TRAP IS.65	5.337	3127	TRAP-249	Salix Sp.	P3	0.678	0.30	6.51	15.35	-27.14	21.32
TRAP IS.66	5.337	3127	TRAP-291	Salix Sp.	P3	0.089	0.30	6.27	16.13	-24.38	18.43
TRAP IS.67	5.337	3127	TRAP-03	Salix Sp.	P3	0.318	0.30	6.61	20.97	-25.97	20.09
TRAP IS.68	5.337	3127	TRAP-136	Corylus Avellana	P2	0.272	0.20	5.50	15.52	-25.50	19.6
TRAP IS.69	5.337	3127	TRAP-376	Corylus Avellana	P3	0.217	N/A	N/A	9.21	-25.01	19.09
TRAP IS.70	5.337	3127	TRAP-158	Corylus Avellana	P3	0.121	0.20	6.45	20.61	-25.80	19.91
TRAP IS.71	5.337	3127	TRAP-216	Corylus Avellana	P3	0.11	0.40	5.13	19.05	-25.36	19.45

TRAP IS.72	5.337	3127	TRAP-131	Corylus Avellana	P2	0.384	N/A	N/A	14.59	-26.91	21.08
TRAP IS.73	5.337	3127	TRAP-165	Corylus Avellana	P3	0.063	0.30	5.78	15.19	-24.26	18.30
TRAP IS.74	5.337	3127	TRAP-84	Corylus Avellana	P3	0.098	0.30	6.28	23.94	-25.47	19.57
TRAP IS.75	5.337	3127	TRAP-316	Corylus Avellana	P2	0.108	0.20	6.28	11.59	-24.70	18.76
TRAP IS.76	5.337	3127	TRAP-301	Corylus Avellana	P3	0.231	0.30	5.56	13.83	-26.98	21.15
TRAP IS.77	5.337	3127	TRAP-379	Corylus Avellana	P2	0.119	0.20	7.28	10.04	-25.78	19.89
TRAP IS.78	5.337	3127	TRAP-11	Alnus Sp.	P3	0.224	0.20	6.21	19.18	-23.99	18.02
TRAP IS.79	5.337	3127	TRAP-14	Alnus Sp.	P2	0.09	0.50	7.15	21.25	-24.97	19.05
TRAP IS.80	5.337	3127	TRAP-210	Alnus Sp.	P4	0.165	0.30	5.74	17.43	-26.27	20.41
TRAP IS.81	5.337	3127	TRAP-214	Alnus Sp.	P2	0.168	0.20	5.80	9.34	-26.05	20.18
TRAP IS.82	5.337	3127	TRAP-374	Alnus Sp.	P3	0.259	0.20	6.34	23.38	-25.69	19.8
TRAP IS.83	5.337	3127	TRAP-59	Alnus Sp.	P4	0.161	0.30	5.58	18.32	-25.38	19.47
TRAP IS.84	5.337	3127	TRAP-148	Alnus Sp.	P4	0.12	0.30	6.90	14.83	-24.46	18.51
TRAP IS.85	5.337	3127	TRAP-224	Alnus Sp.	P3	0.113	0.30	6.45	15.68	-24.81	18.88
TRAP IS.86	5.337	3127	TRAP-244	Alnus Sp.	P2	0.142	0.30	5.95	18.96	-25.01	19.09
TRAP IS.87	5.337	3127	TRAP-137	Alnus Sp.	P2	0.179	0.30	6.57	12.79	-25.34	19.43
TRAP IS.96	5.337	3127	TRAP-132	Betula Sp.	P2	0.283	0.20	7.04	12.57	-26.20	20.33
TRAP IS.90	5.337	3127	TRAP-16	Betula Sp.	P3	0.108	N/A	N/A	16.67	-25.76	19.87
TRAP IS.91	5.337	3127	TRAP-21	Betula Sp.	P3	0.133	0.20	4.61	25.61	-27.38	21.57
TRAP IS.94	5.337	3127	TRAP-226	Betula Sp.	P3	0.208	0.20	6.57	8.45	-25.41	19.51
TRAP IS.92	5.337	3127	TRAP-239	Betula Sp.	P2	0.271	N/A	N/A	15.66	-25.47	19.57
TRAP IS.95	5.337	3127	TRAP-352	Betula Sp.	P2	0.089	0.30	6.64	10.00	-26.93	21.1
TRAP IS.97	5.337	3127	TRAP-381	Betula Sp.	P4	0.107	0.30	7.07	21.41	-27.55	21.75
TRAP IS.93	5.337	3127	TRAP-69	Betula Sp.	P2	0.195	0.30	6.33	15.37	-26.98	21.15

## FIGURES

Figure 1.1 - A historic map of the Traprain Law region, the summit site location is marked (black square). This is the Bartholomew Historic Map AD 1897-1907, original scale ½ inch equals 1 mile. Supplied by the National Library of Scotland. Details of small woodland and water sources which no longer exist.

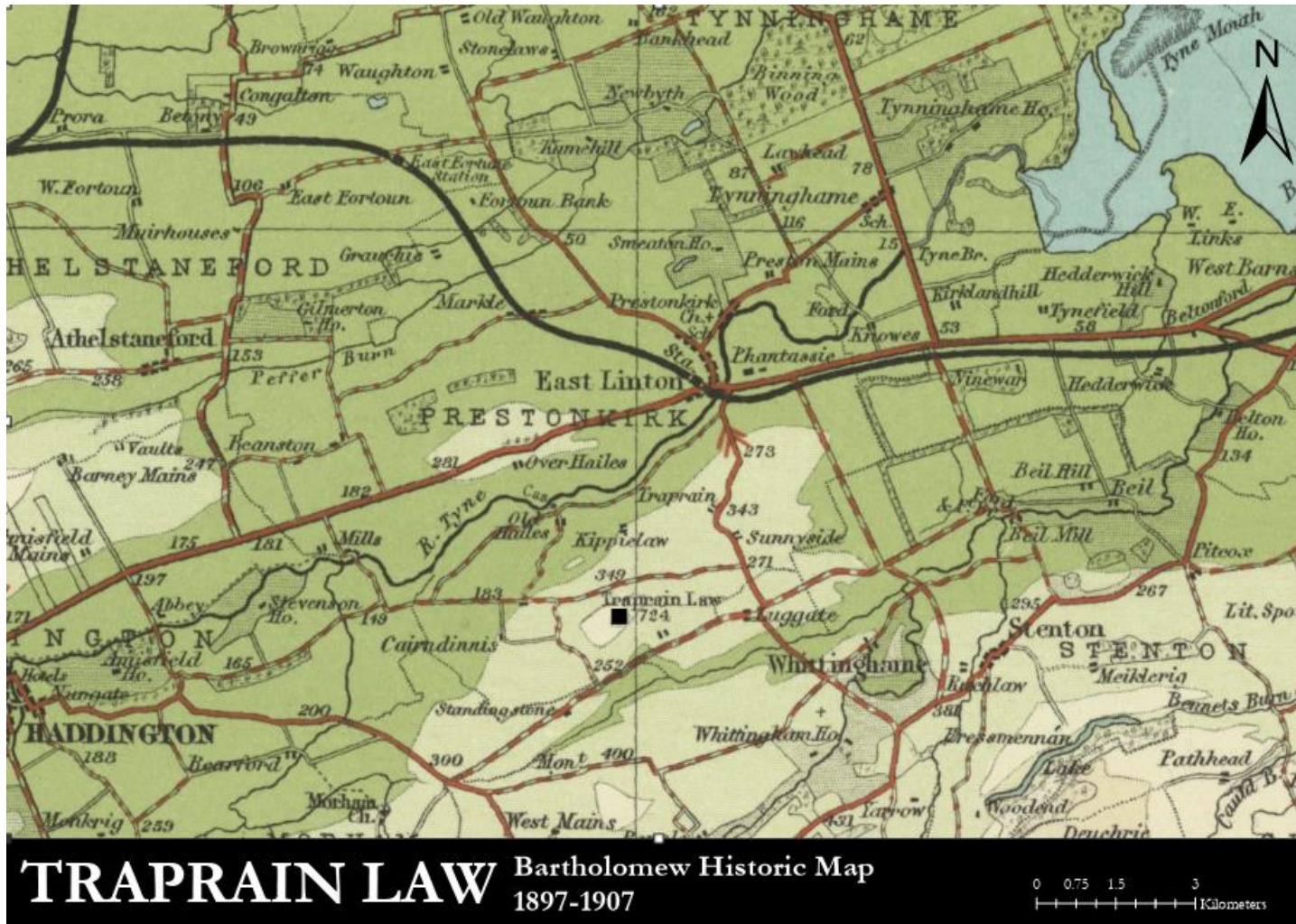


Figure 1.2 - A historic map of the Traprain Law region, the summit site location is marked (black square). This is the Ordnance Survey 'Hills' edition AD 1885-1903, original scale ½ inch equals 1 mile. Supplied by the National Library of Scotland. Details of small woodland which no longer exists.

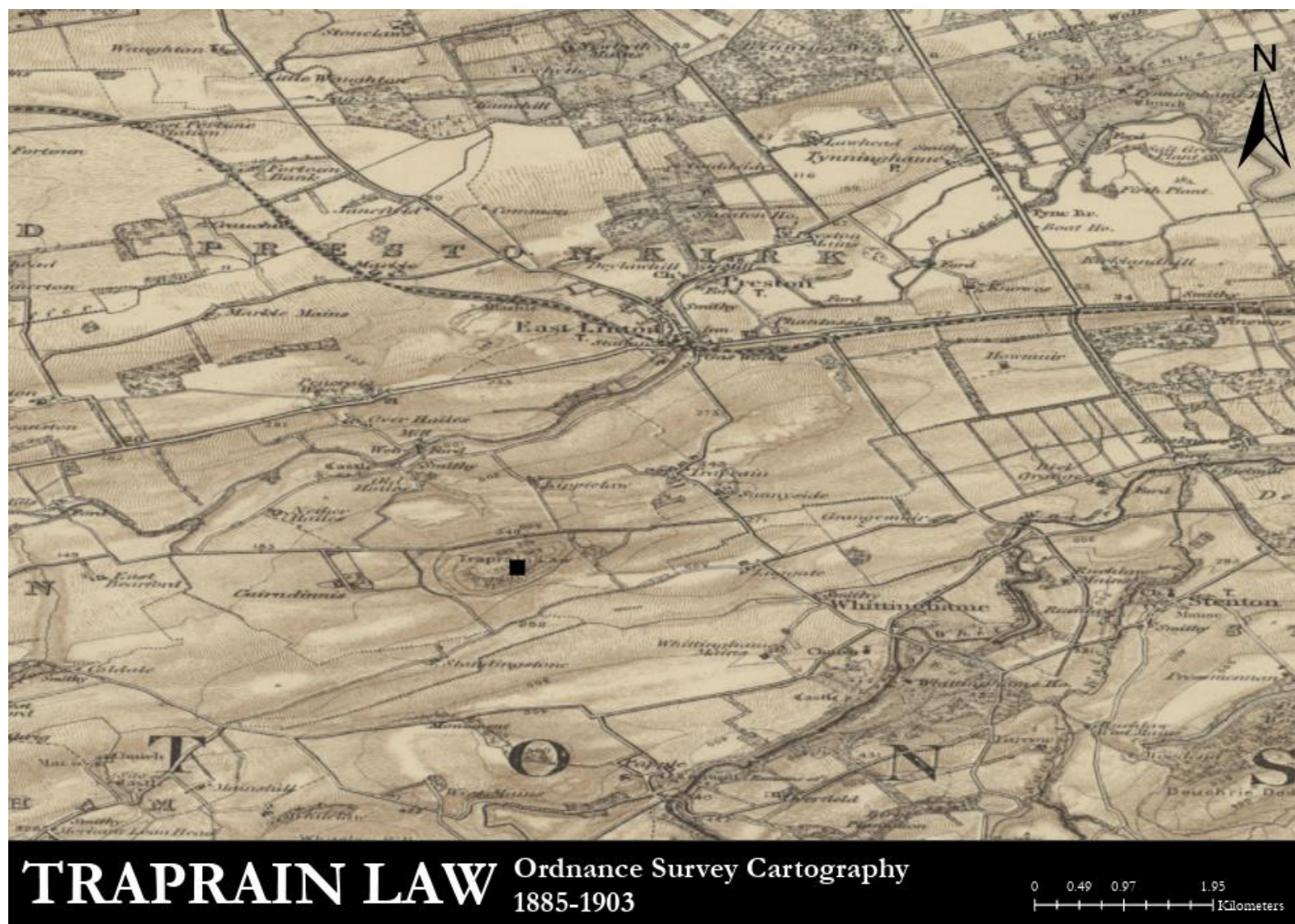
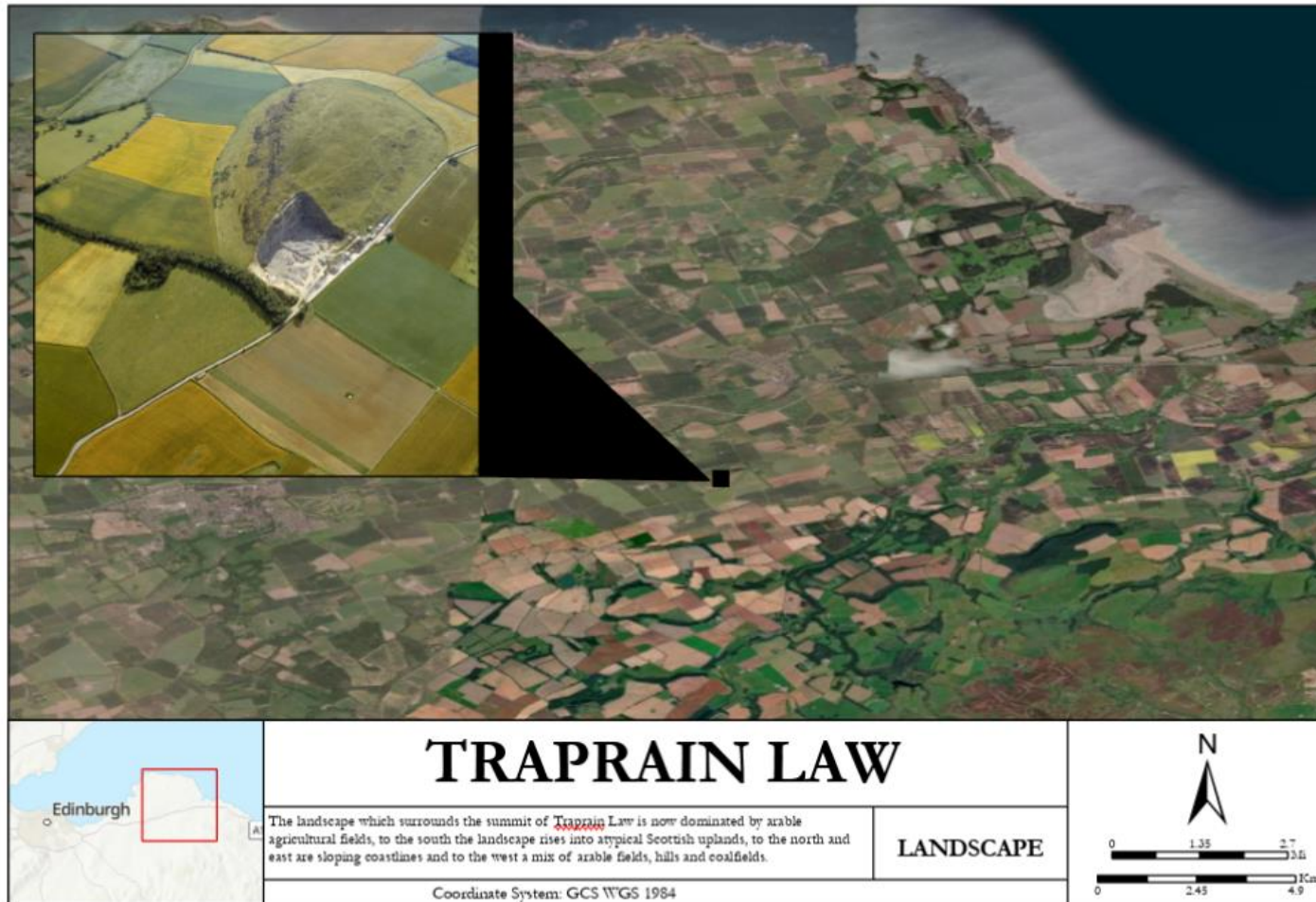
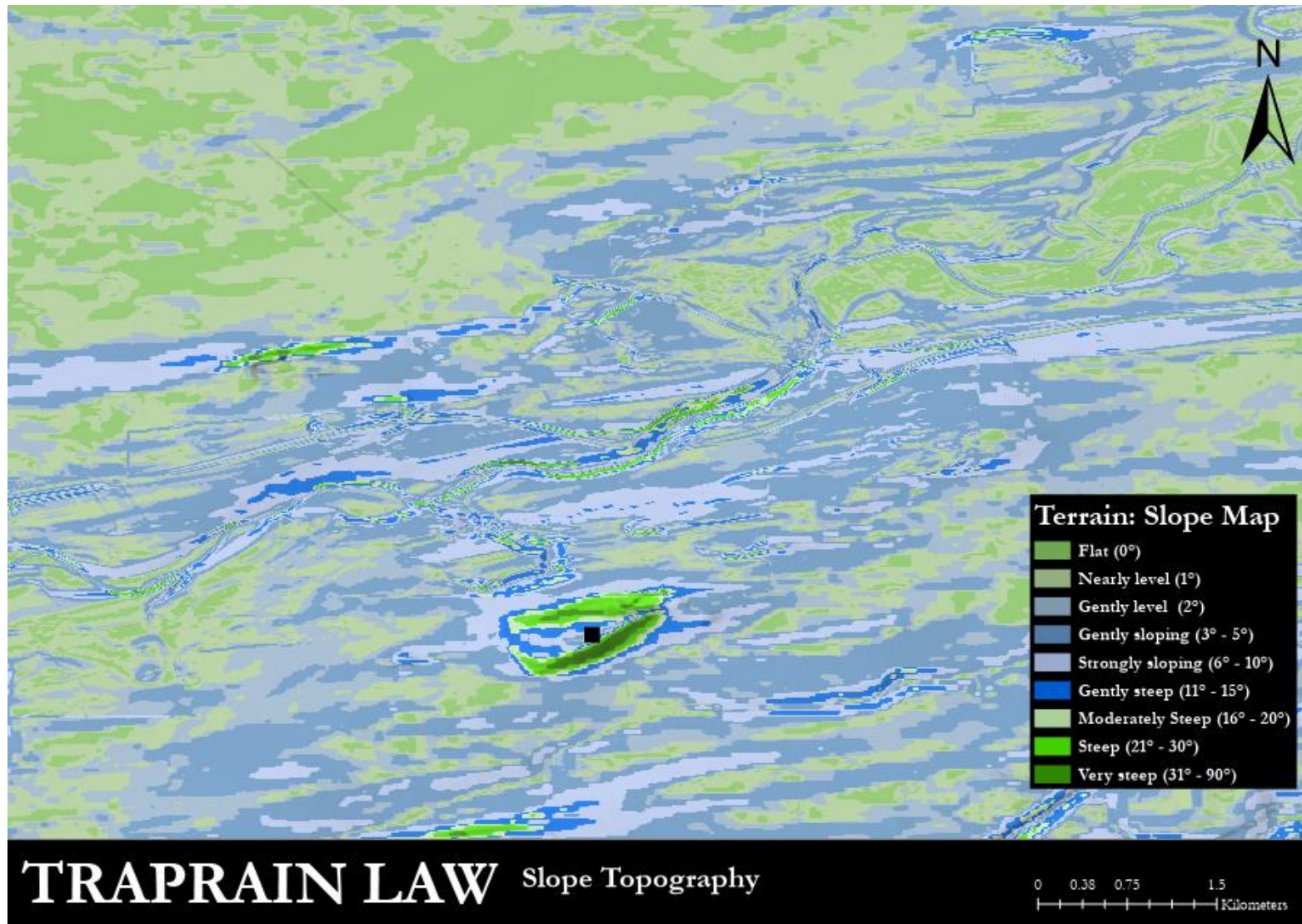


Figure 1.3 - Modern satellite imagery of the local Traprain Law region, with aerial view of Traprain Law summit (John Dewar Collection, 1972) © HES. Note quarrying damage to summit. Demonstrates the extent of modern agricultural influence in the region and close proximity to the coastline.



**Figure 2.1** – A topographical map of the Traprain Law region indicating slope incline/decline, the summit site location is marked (black square). The most significant morphological feature in the area is noticeably Traprain Law. Data is scaled for visualisation. Source: Airbus, NASA, OS, GSI and GIS User Community.



**Figure 2.2** - A map showing a basic chemical composition of the Traprain Law region sediments, the summit site location is marked (black square). Data includes pH and % Calcium Carbonate both factors which deeply effect agricultural viability of a sediment. Topsoil – 0-30cm. Subsoil – 30-100cm. Source: FAO, Esri.

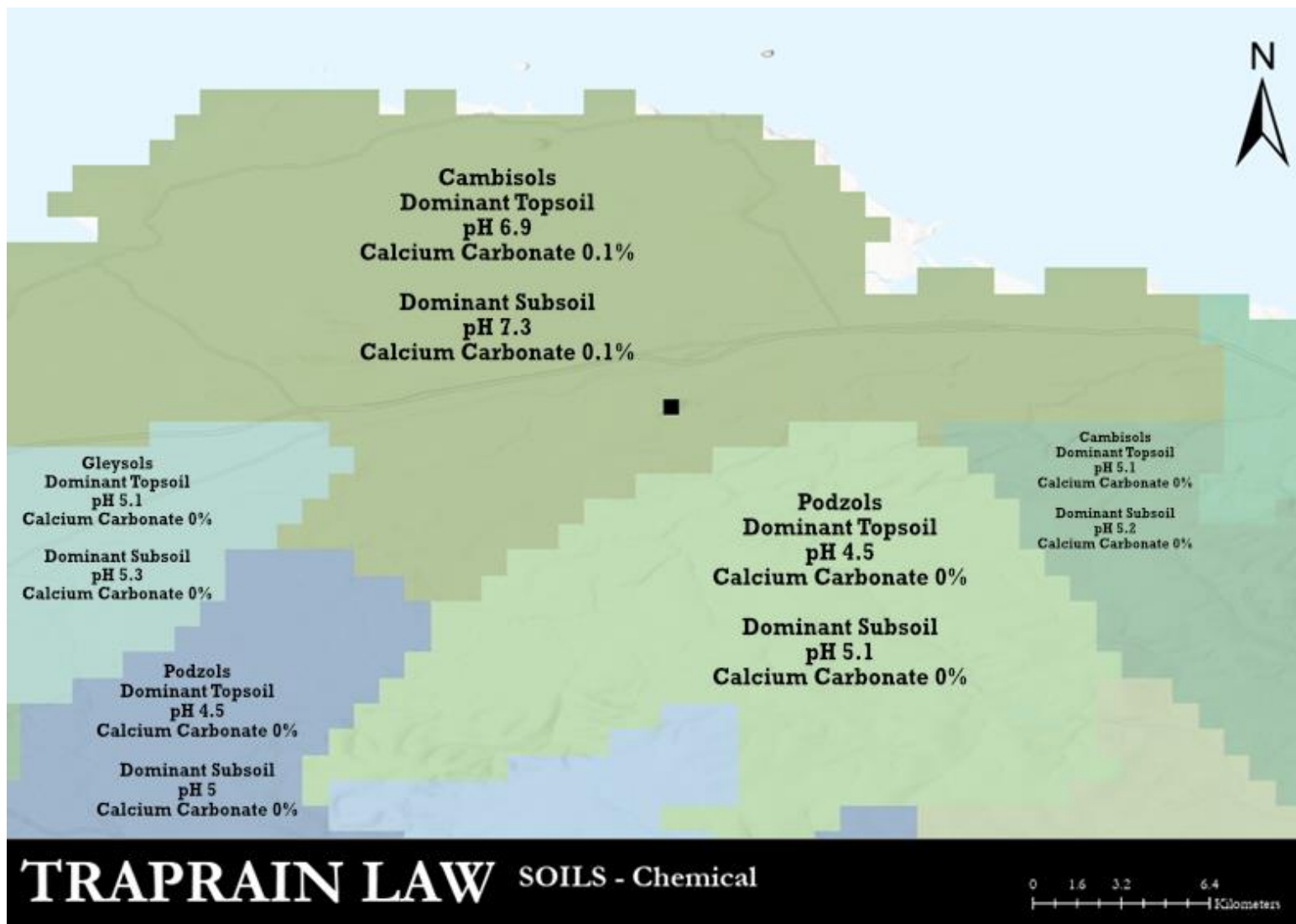
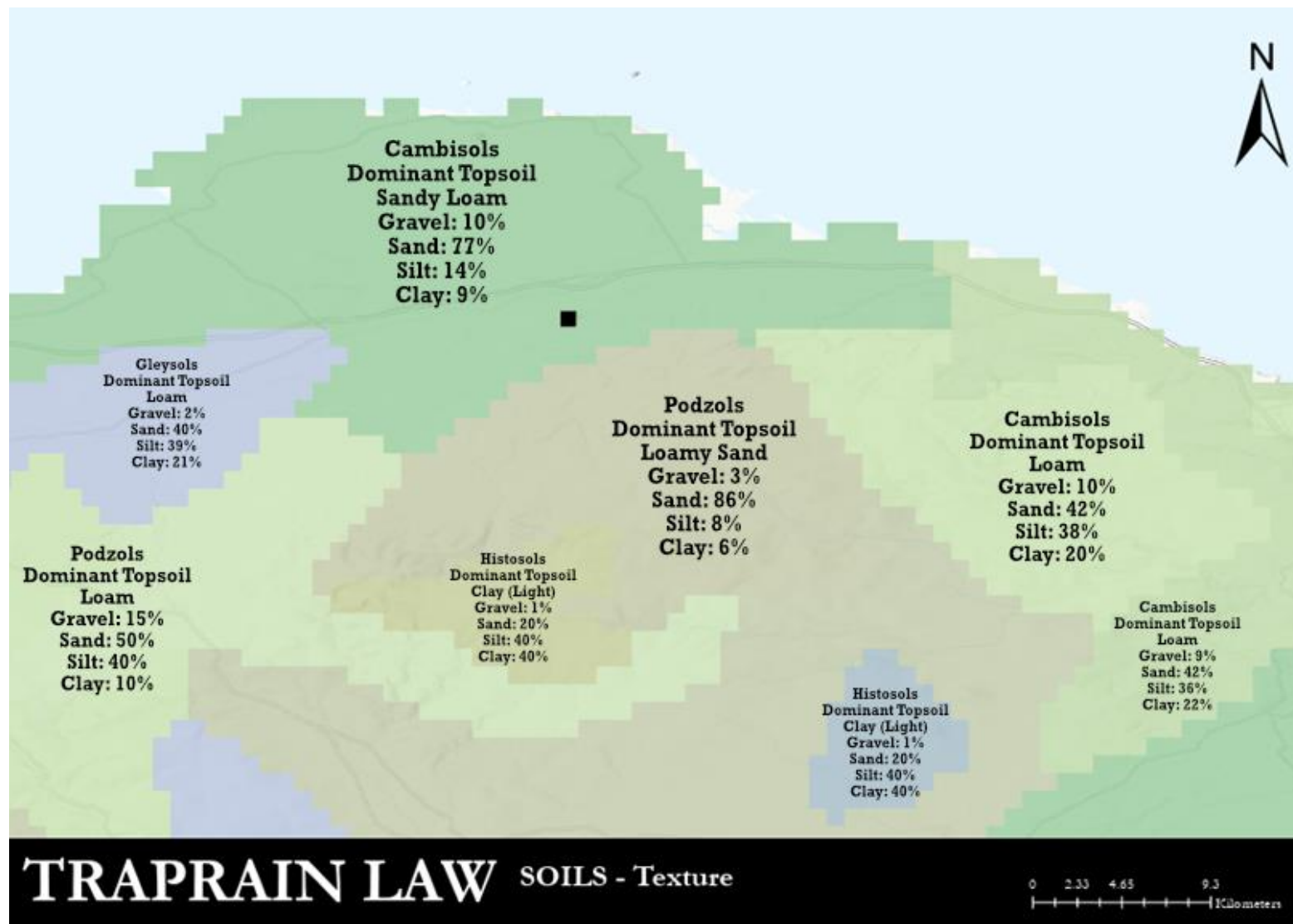


Figure 2.3 - A map showing a basic textural composition of the Traprain Law region sediments, the summit site location is marked (black square). Data includes breakdown of textural constituents, averaged across typological areas. Most sediments are indicated as light typologically. Topsoil - 0-30cm. Source: FAO, Esri.



**Figure 2.4** - A map showing all of the designated Zone 1 sites in relation to Traprain Law (marked by black square). The shaded circle demarks the necessary qualifier for Zone 1 sites, creating a 5km boundary surrounding the central point of Traprain Law.

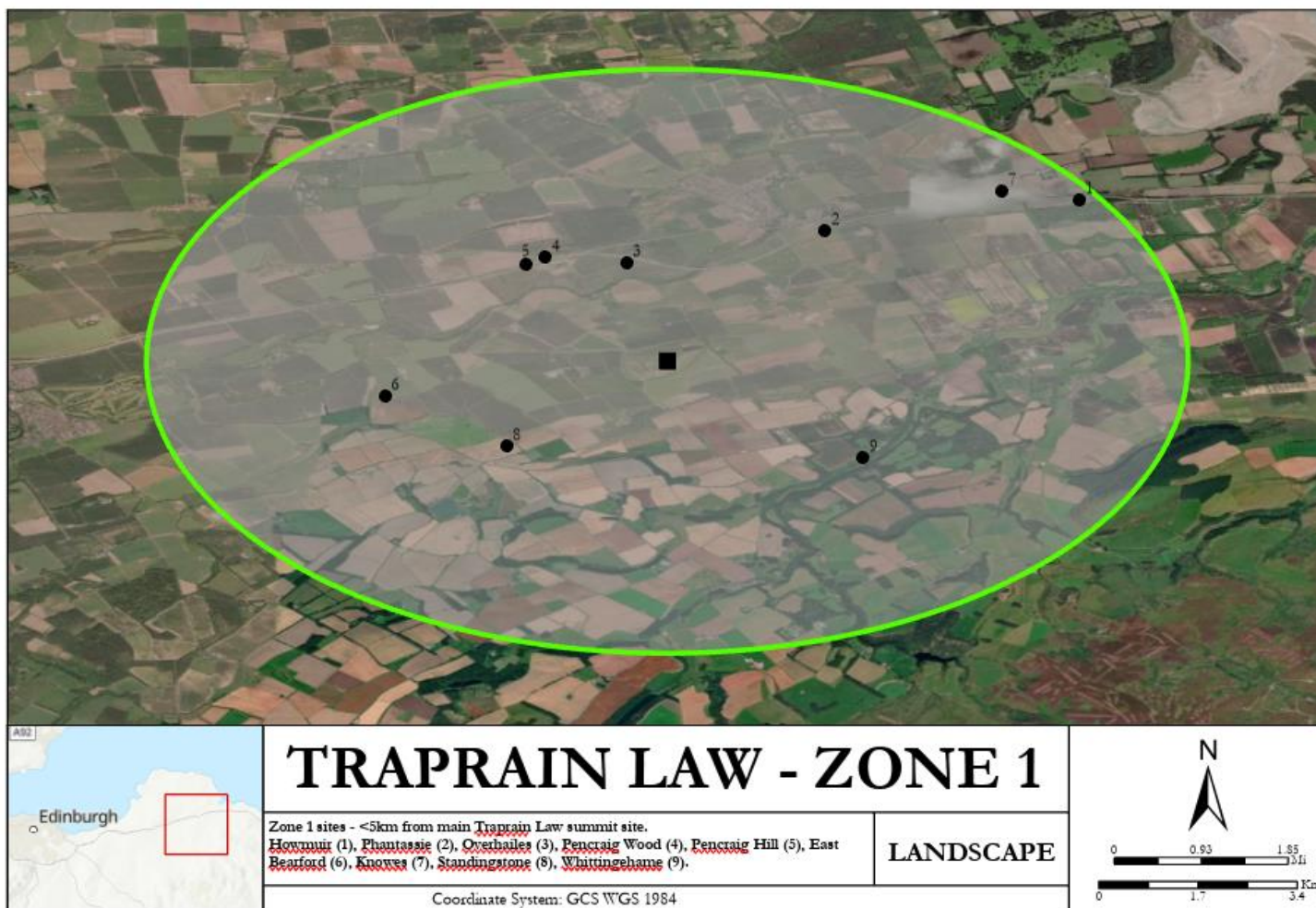


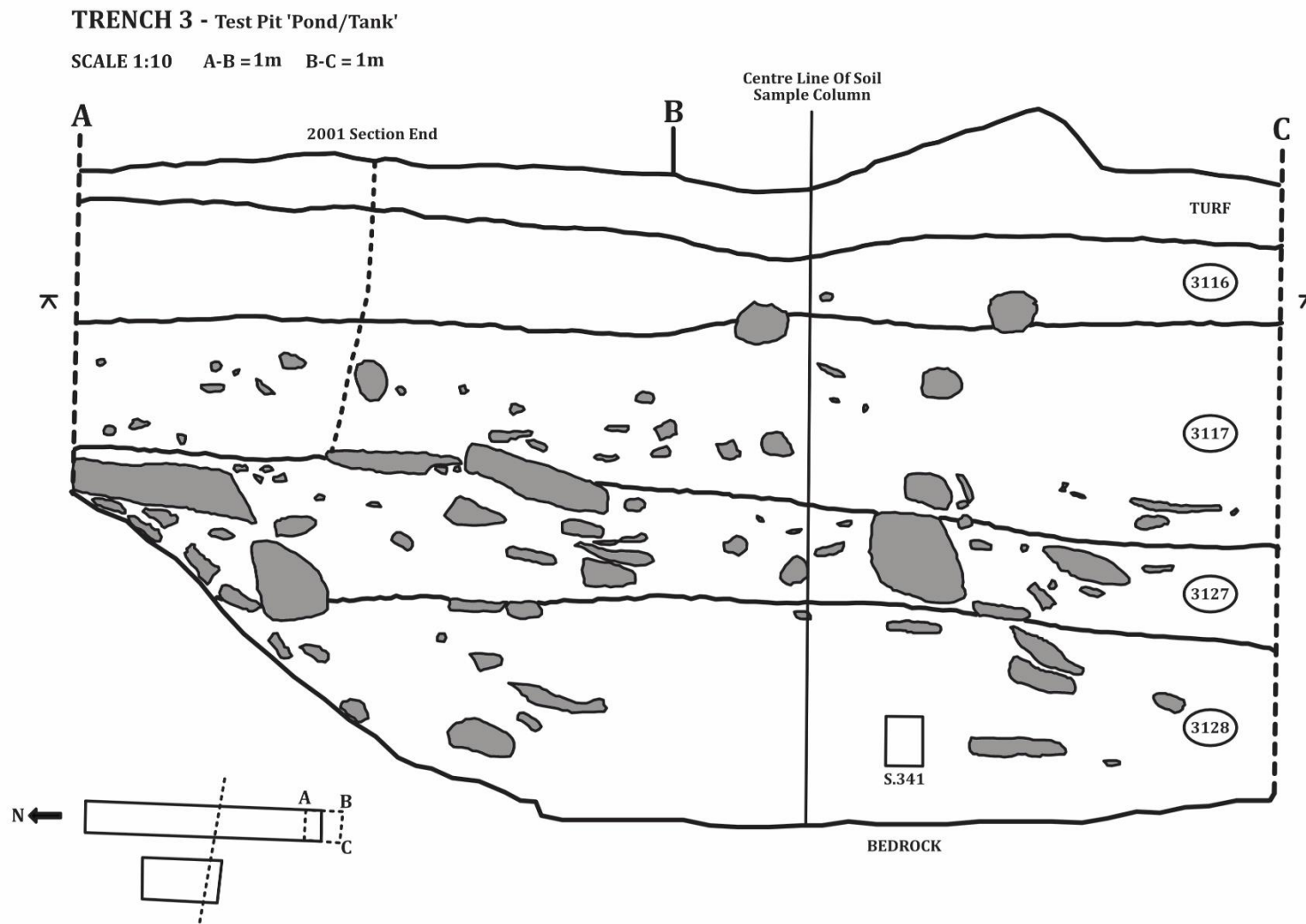
Figure 2.5 - A map showing all of the designated Zone 2 sites in relation to Traprain Law (marked by black square). The shaded circles demarks the necessary qualifiers for Zone 2 sites, >5km from and <20km away from the central point of Traprain Law.



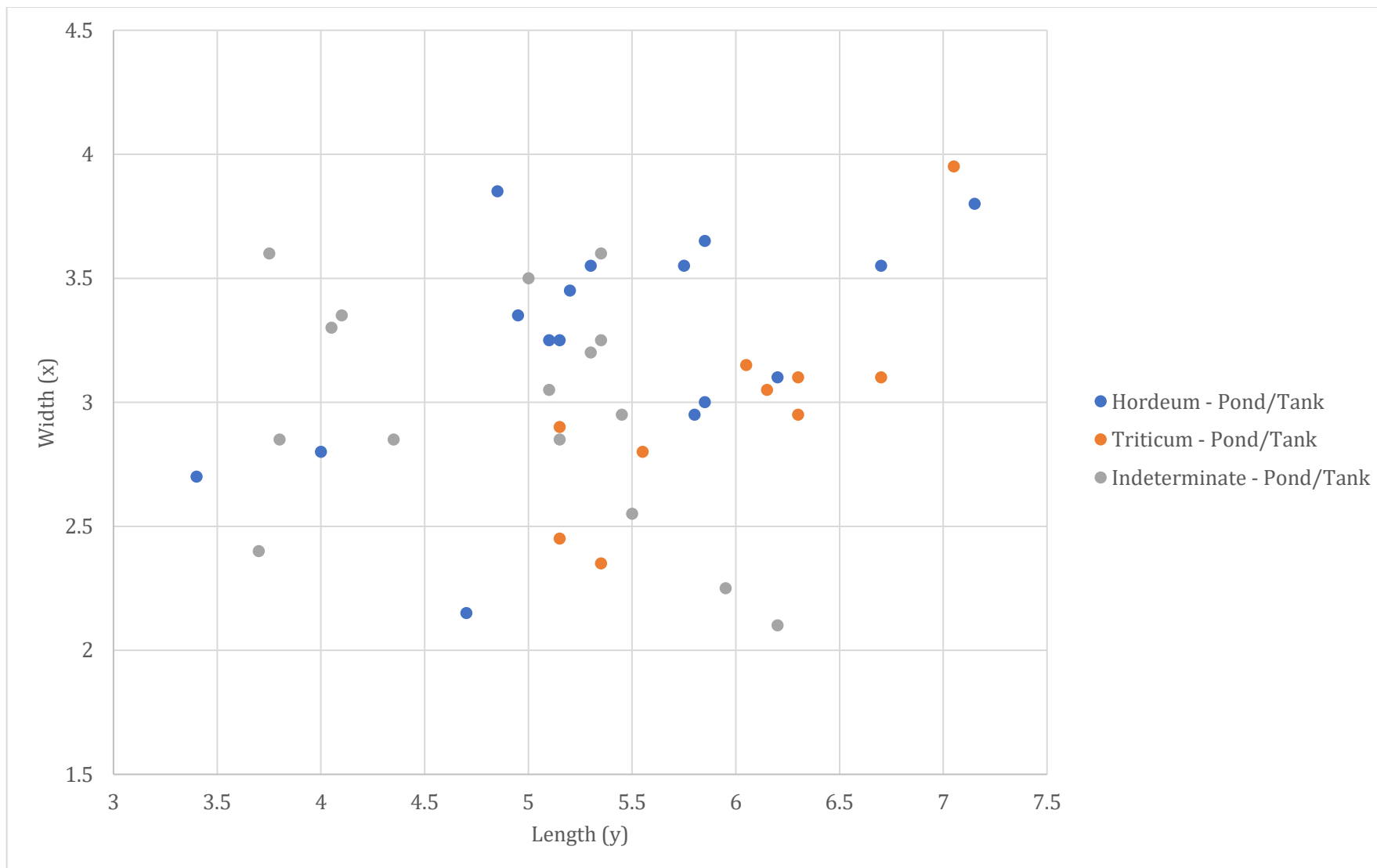
**Figure 3.1** - A map showing the Traprain Law summit overlaid with the RCAHMS (c. AD 1955) site drawing detailing the morphology of the summit and previous excavation alignments, the summit site location is marked (black square). Outlined and marked (1.) is the 'Pond/Tank' feature. Scales do not align.



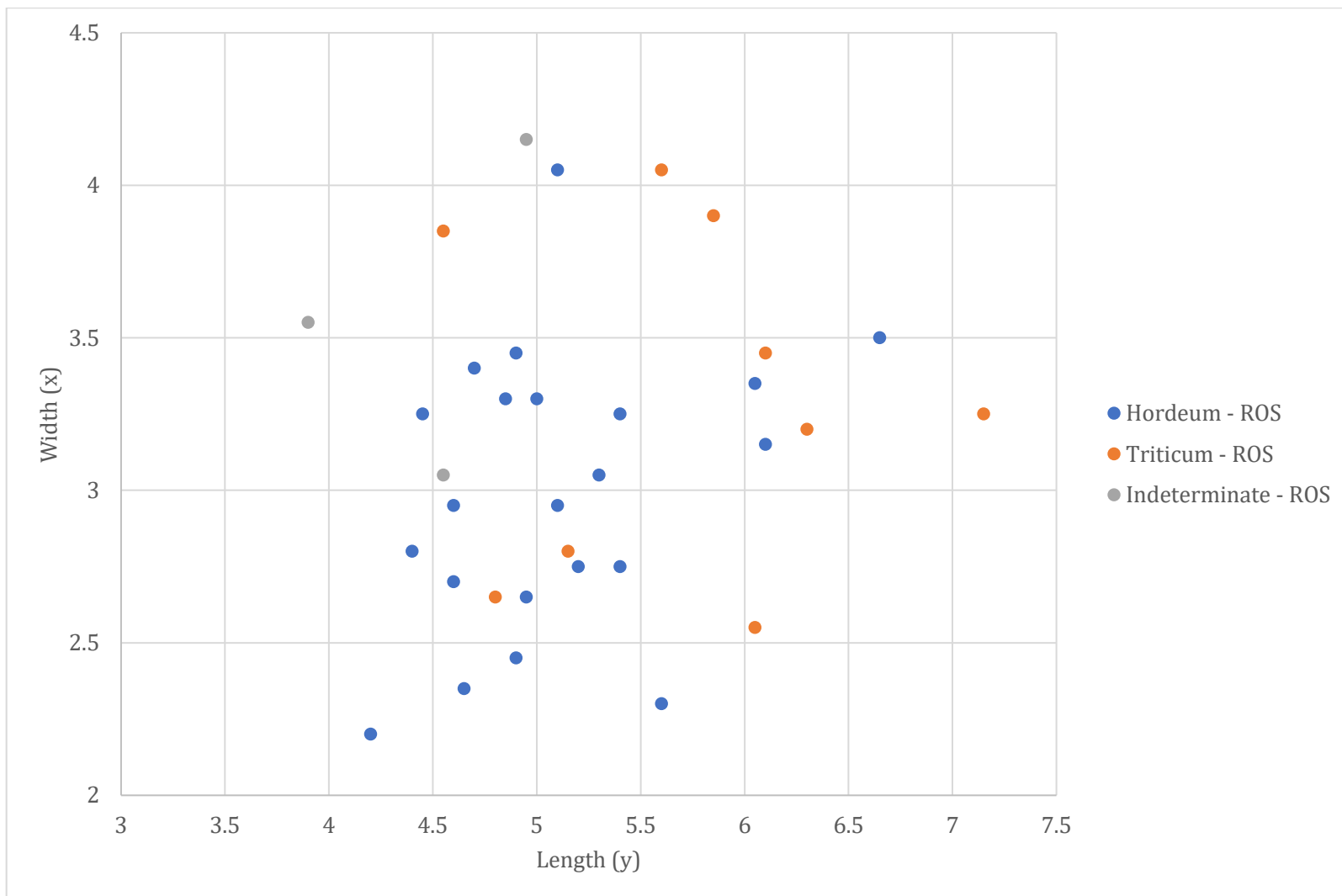
Figure 3.2 - Cross-section diagram of Trench 3 which focused on the 'Pond/Tank' feature at the 1999/2000 Excavation of the Traprain Law summit site. The diagram is orientated to show the length and width of Trench 3, which was approximately 100m<sup>2</sup>. Shown are the contexts provided original data to this study.



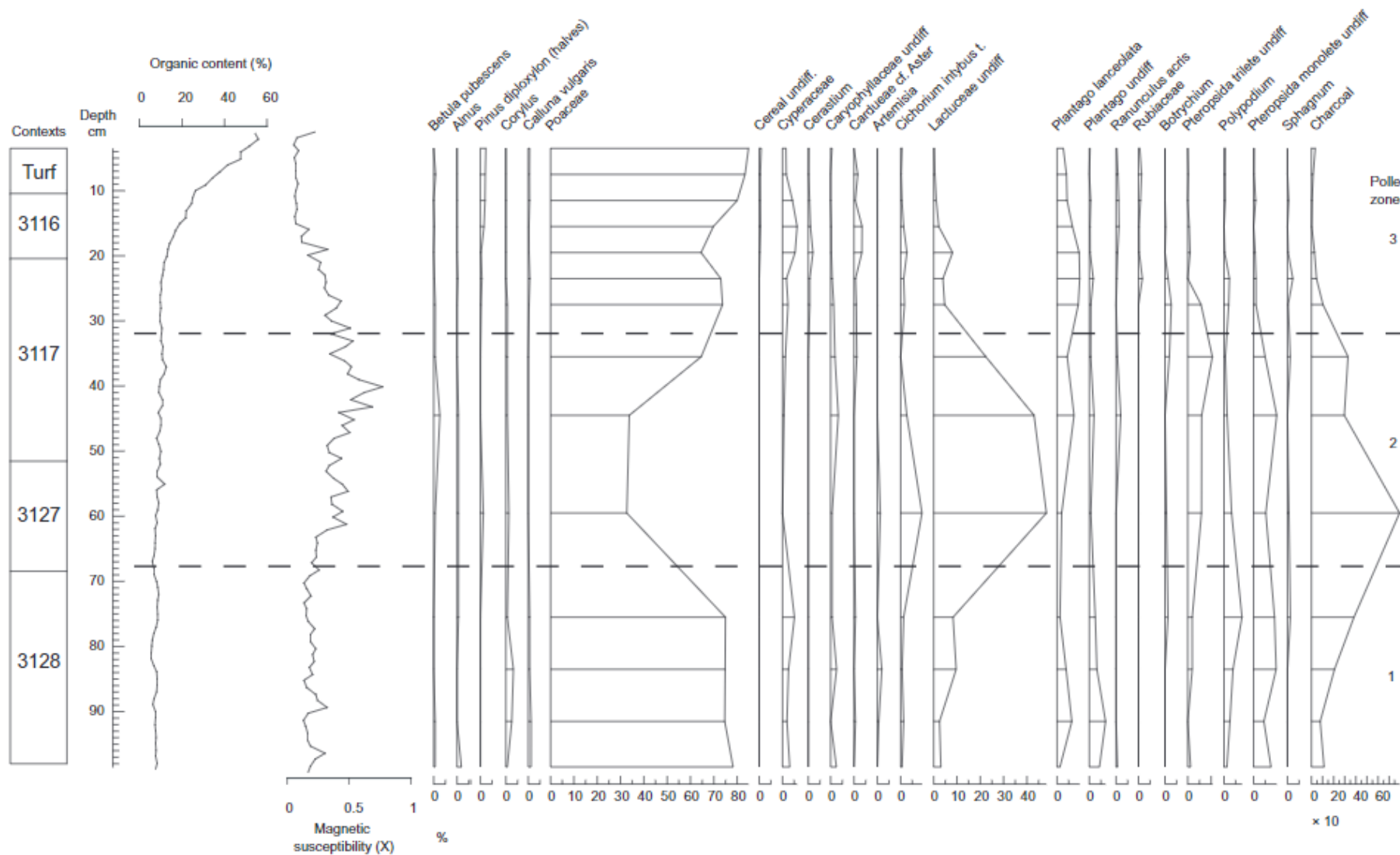
**Figure 4.1** – Graph showing the length (y) and width (x) of cereal dimensions for the ‘Pond/Tank’ context cereal assemblage. Whilst the depth (z) of the specimens was recorded it is not shown here. There is significant variety of values across specimens despite species groups, and no recognisable trend.



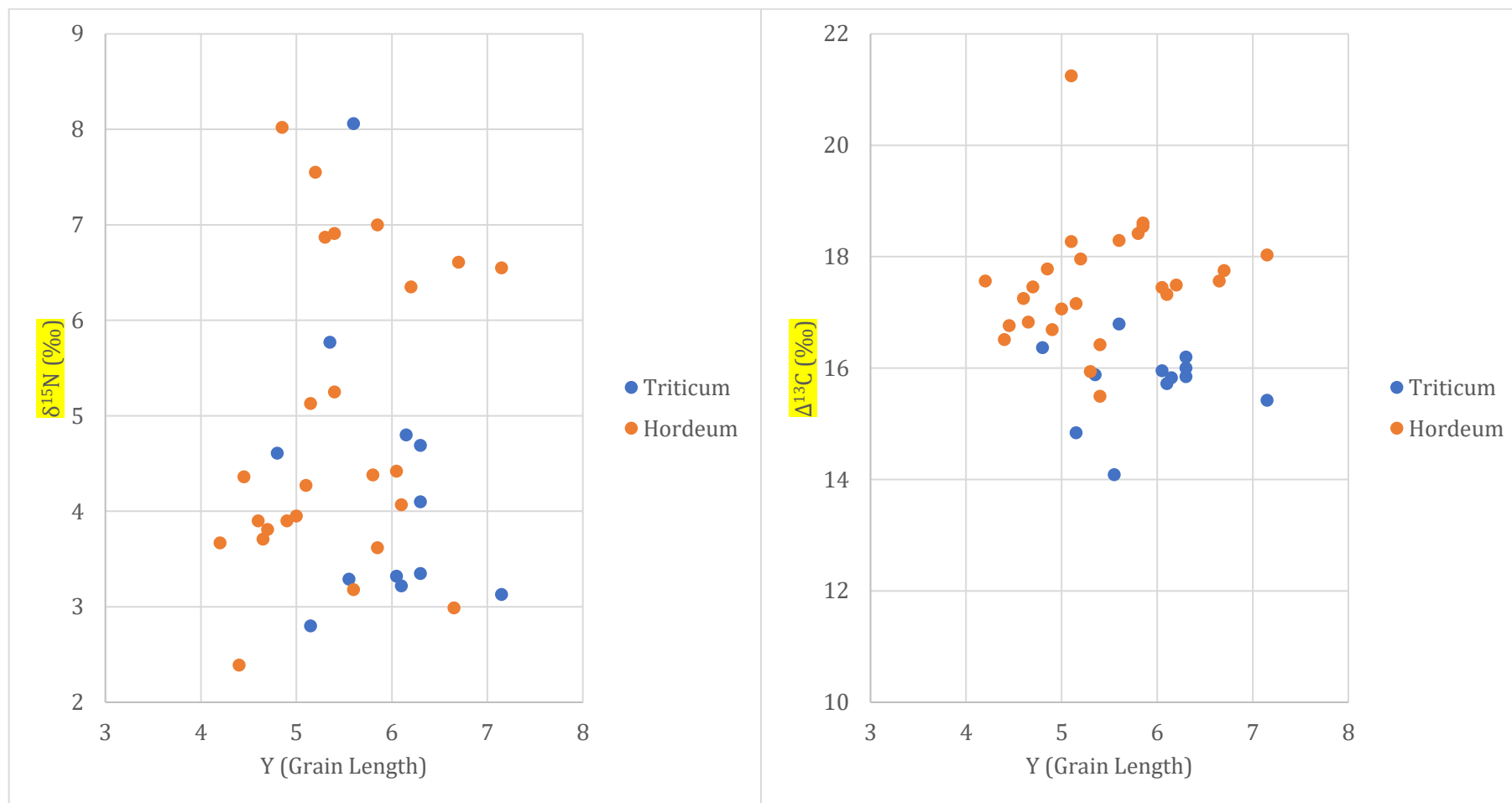
**Figure 4.2** – Graph showing the length (y) and width (x) of cereal dimensions for the wider site contexts (ROS) cereal assemblage. Whilst the depth (z) of the specimens was recorded it is not shown here. Again, there is significant variety of values across specimens despite species, and no recognisable trend.



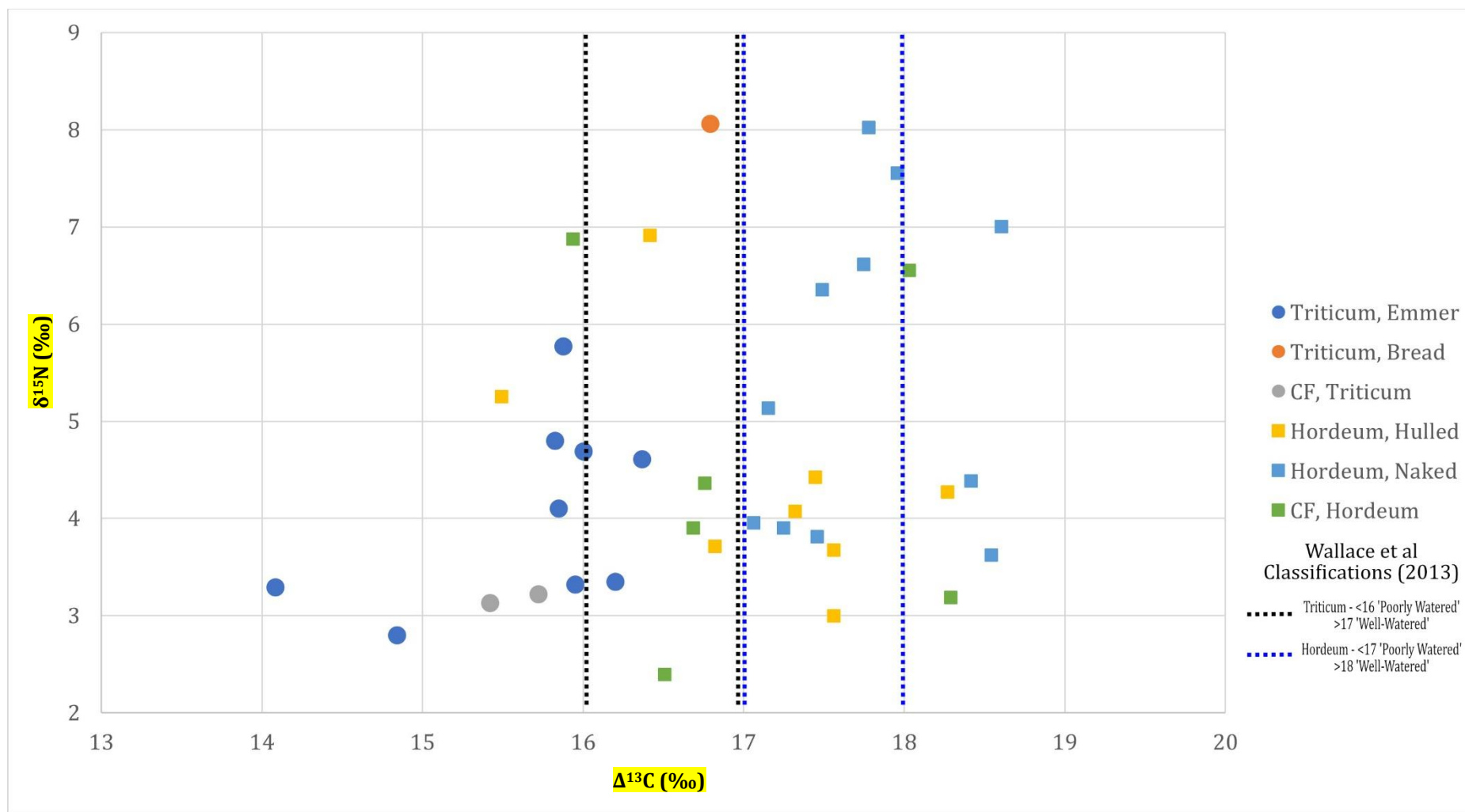
**Figure 4.3** - This is the Traprain Law preliminary pollen diagram curated using TILIA and TGView, the analysis was conducted by a University of Durham team previous to this study. Previously unpublished. A further block sample taken from Traprain Law awaits further in-depth palynological analysis.



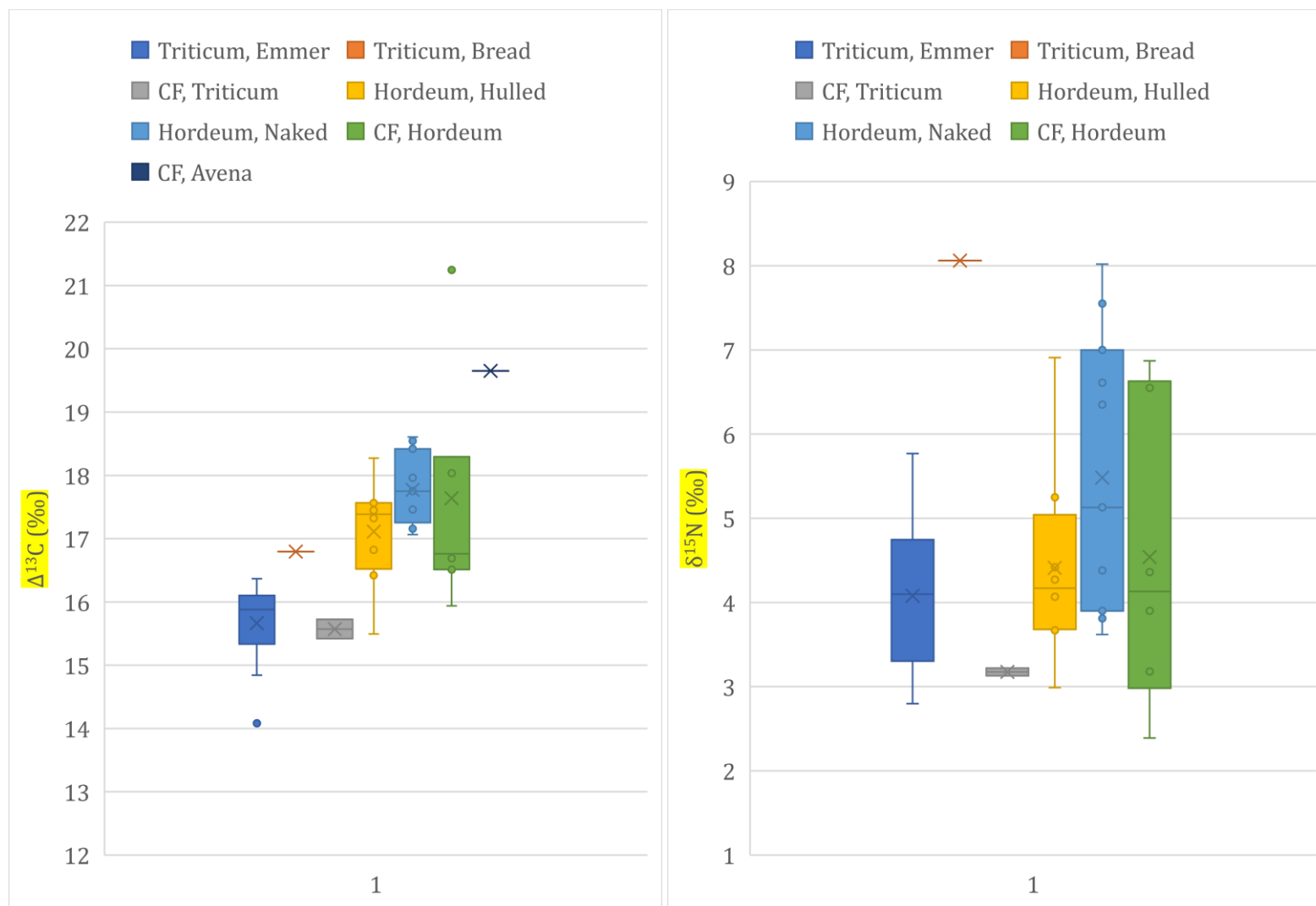
**Figure 5.1** – Comparative graphs demonstrating the relation between  $\delta^{15}\text{N}$ ,  $\Delta^{13}\text{C}$  and grain dimensions, specifically length (y). There appears to be limited to non-existent correlation between these factors. This highlights the variability within archaeological plant remains and the difficulty of connecting morphology to specific growth conditions.



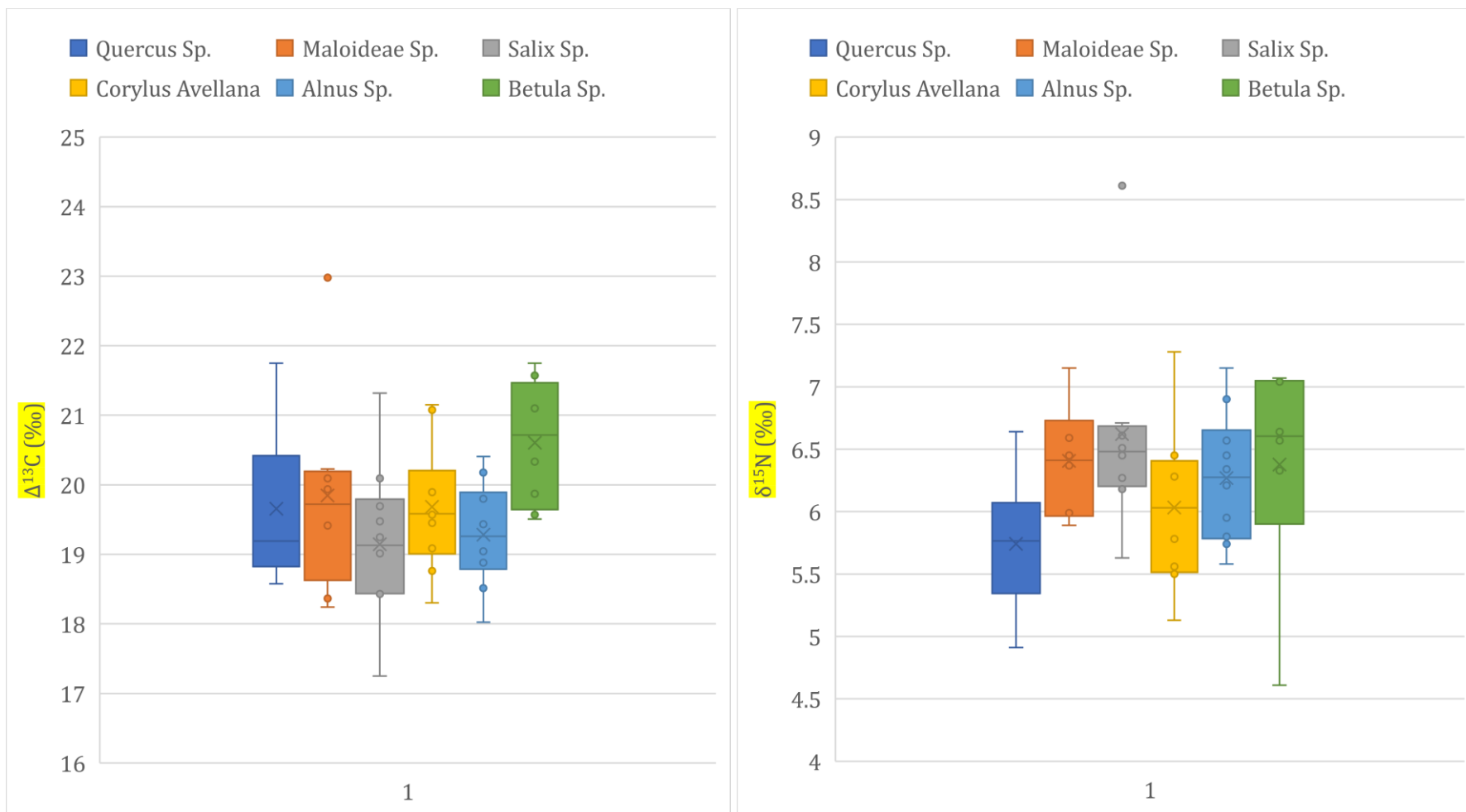
**Figure 5.2** – Graph showing the relation between  $\delta^{15}\text{N}$  and  $\Delta^{13}\text{C}$  values for the Traprain Law isotopic tested cereal assemblage. The sub-variety of Triticum (circle markers) versus Hordeum (square markers) are delineated by colour. Overall Triticum values in both accounts are lesser than Hordeum, these fits known trends.



**Figure 5.3** – Comparative graphs demonstrating the relation between  $\delta^{15}\text{N}$  and  $\Delta^{13}\text{C}$  isotopic values across the cereal assemblage sub-groups. There is clear diffusion between groupings however it is clear that, as expected, Hordeum-types values are higher than Triticum-type. CF, Avena data only exists as an  $\Delta^{13}\text{C}$  value.



**Figure 5.4** – Comparative graphs demonstrating the relation between  $\delta^{15}\text{N}$  and  $\Delta^{13}\text{C}$  isotopic values across the charcoal assemblage sub-groups. The data trends are relatively homogenous, for species sub-groups that vary little in preferred growth conditions this might be expected. Thus, some groups such as *Betula sp.* require further analysis.



**Figure 5.5** - A map showing typological terrestrial ecosystems of the modern Traprain Law region, the summit site location is marked (black square). Traprain Law is on a boundary between 'Cool Temperate Moist Cropland On Hills' (North) and 'Cool Temperate Moist Cropland On Mountains' (South). Source: USGS, TNC, Esri.

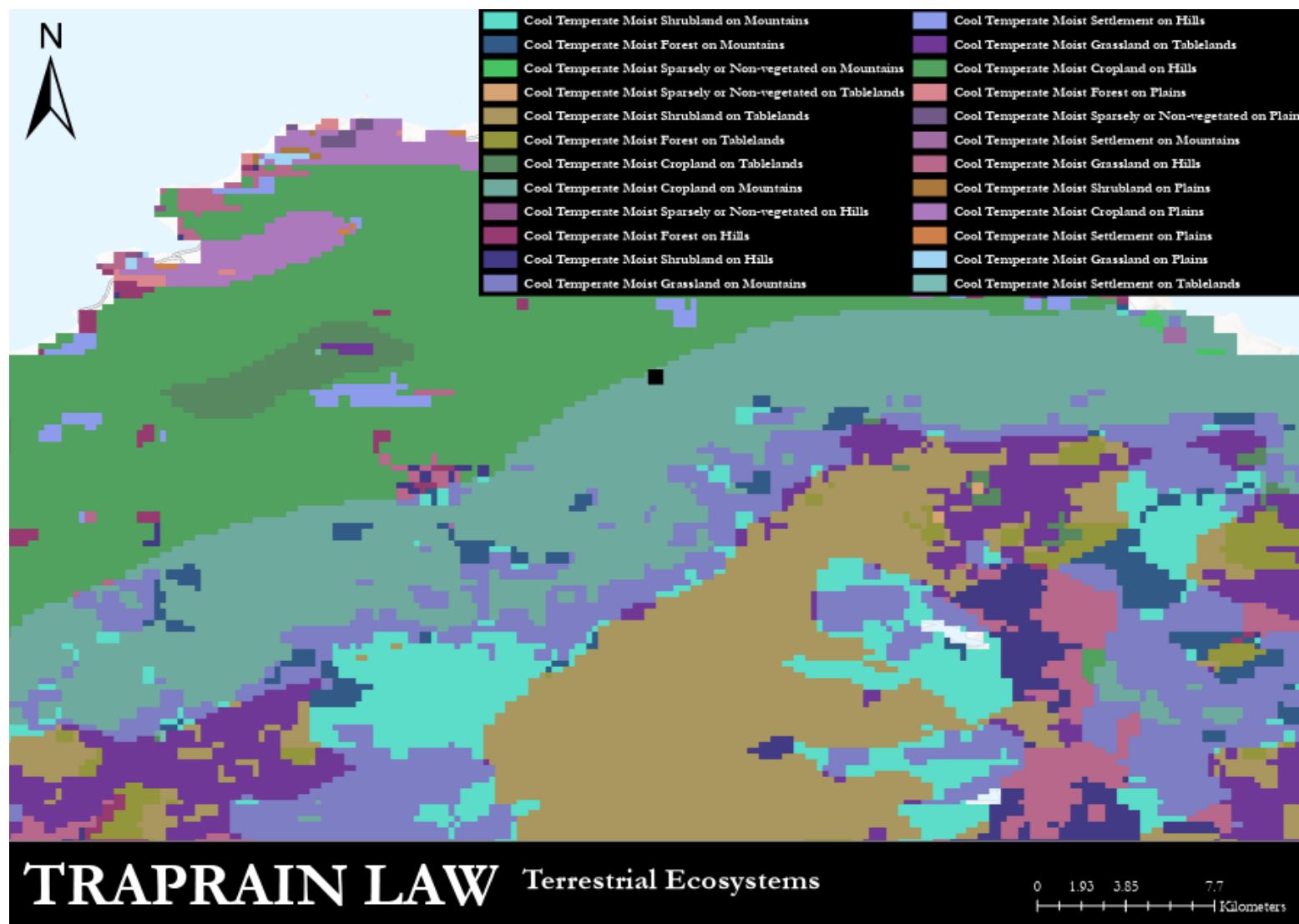
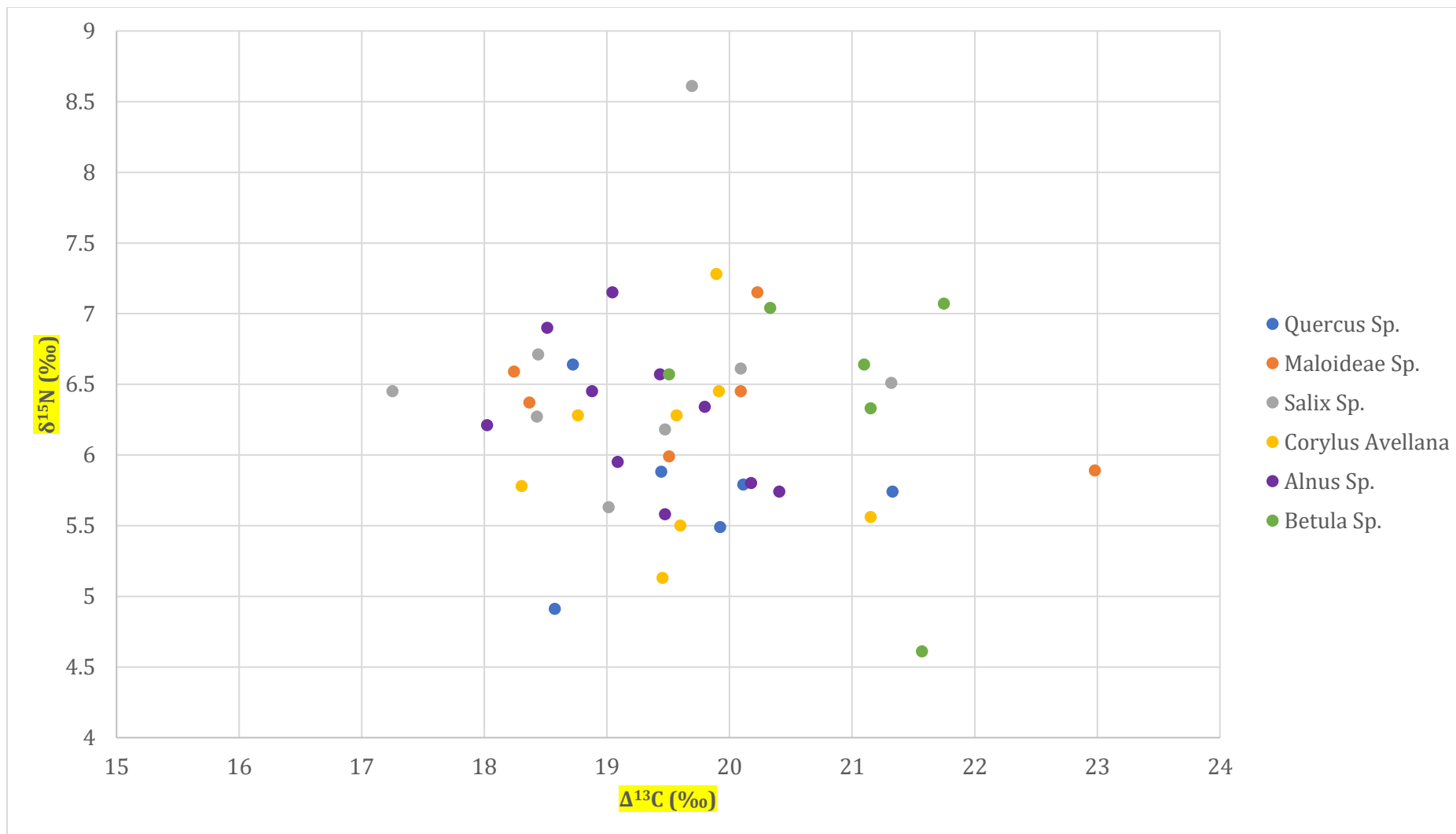
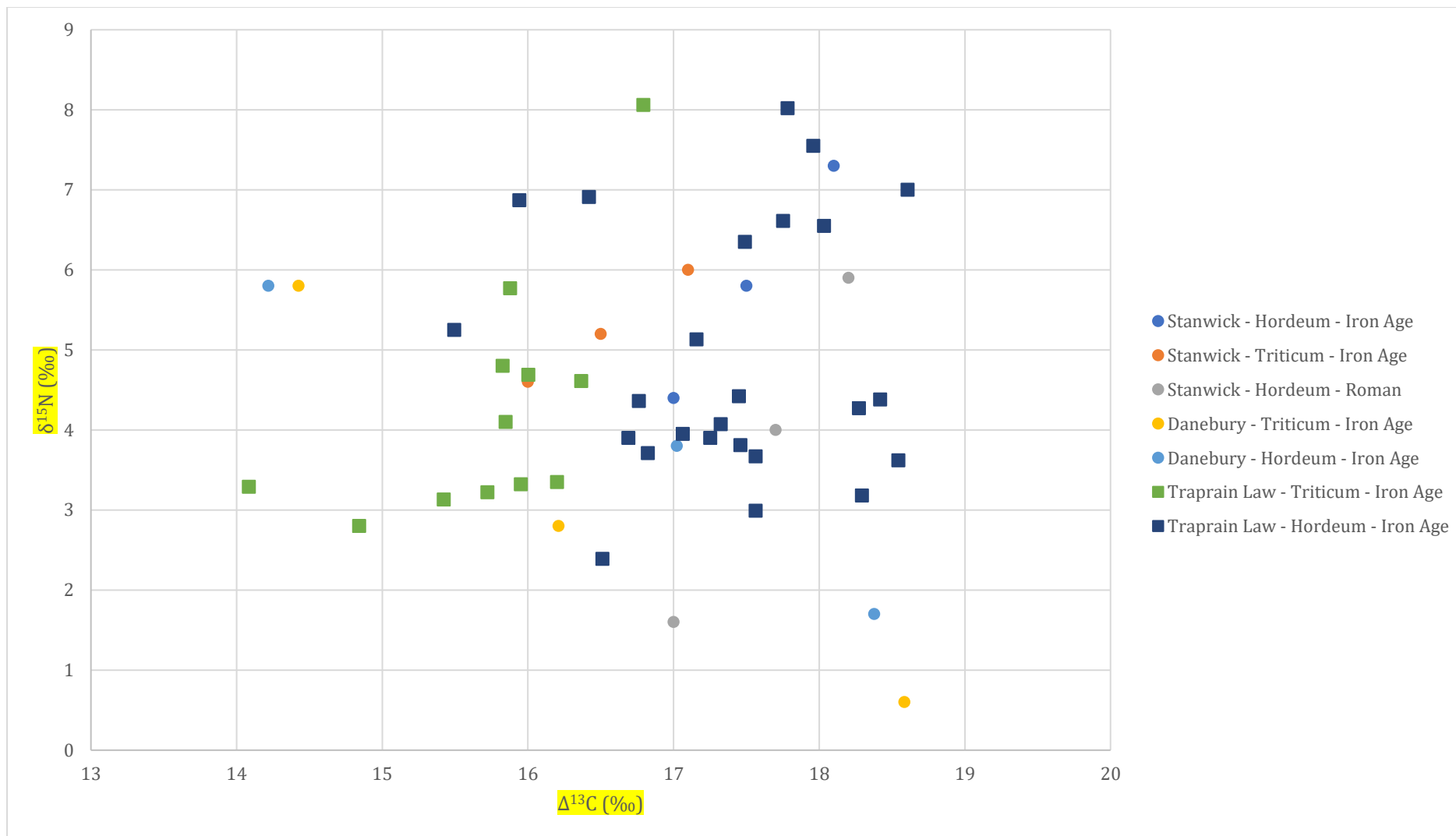


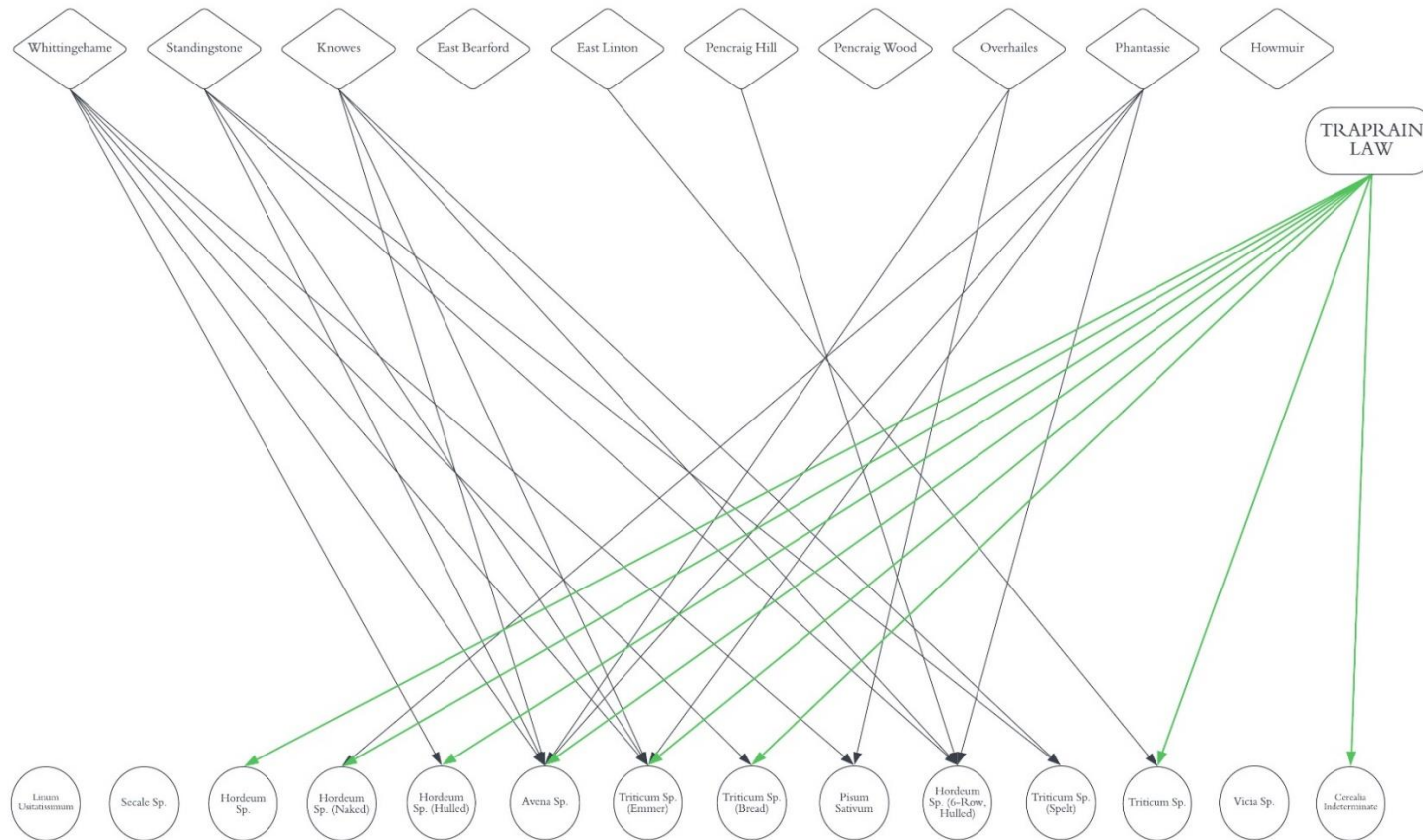
Figure 5.6 – Graph showing the relation between  $\delta^{15}\text{N}$  and  $\Delta^{13}\text{C}$  values for the Traprain Law isotopic tested charcoal assemblage. The sub-varietals i.e. *Quercus sp.*, *Maloideae sp.*, *Salix sp.*, *Alnus sp.*, *Betula sp.* and *Corylus avellana* are shown. In this case the assemblage values are relatively homogenous.



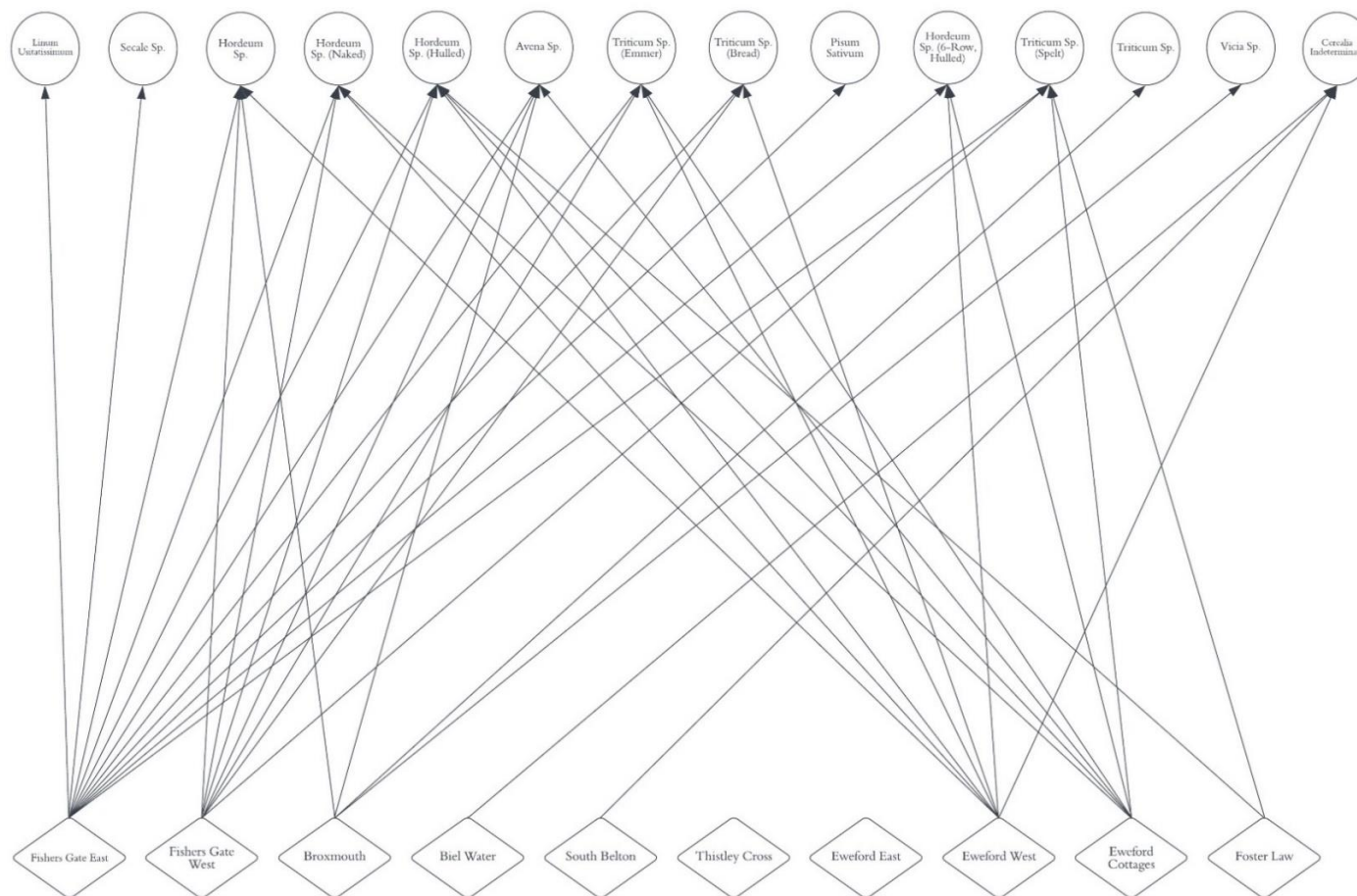
**Figure 5.7** – Graph showing the relation between  $\delta^{15}\text{N}$  and  $\Delta^{13}\text{C}$  values for the Traprain Law cereal assemblage and the comparable datasets of Stanwick (Lodwick et al: 2021) and Danebury (Lightfoot & Stevens: 2012). The Stanwick and Danebury data points consist of the maximum, minimum and mean of the original datasets.



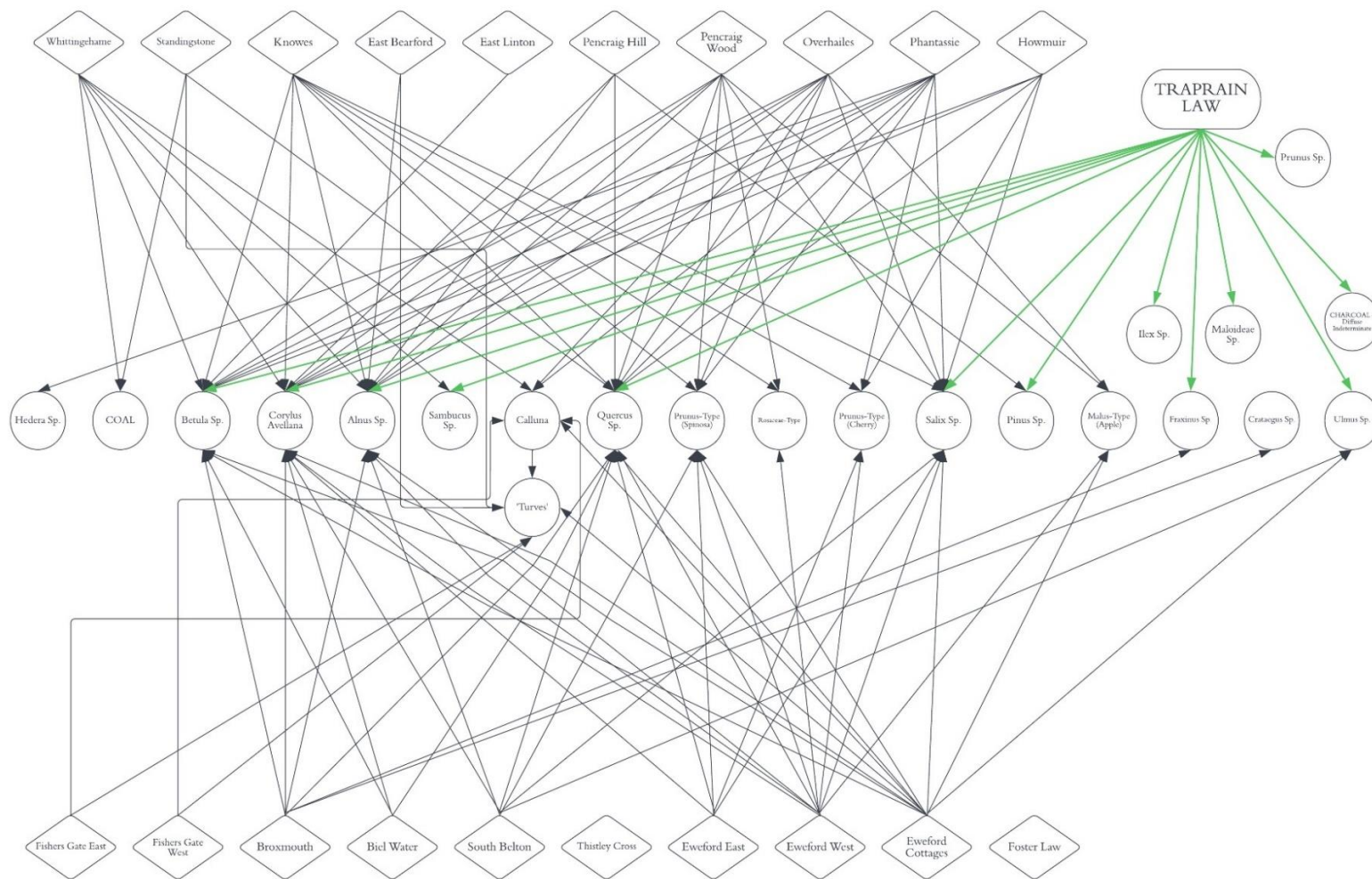
**Figure 7.1** - A resource web showing the presence of various cereals/farmed products for the Zone 1 sites and Traprain Law. This allows easier comparison of site assemblages to open further discussion as to potential inter-site distribution systems and highlight any differences.



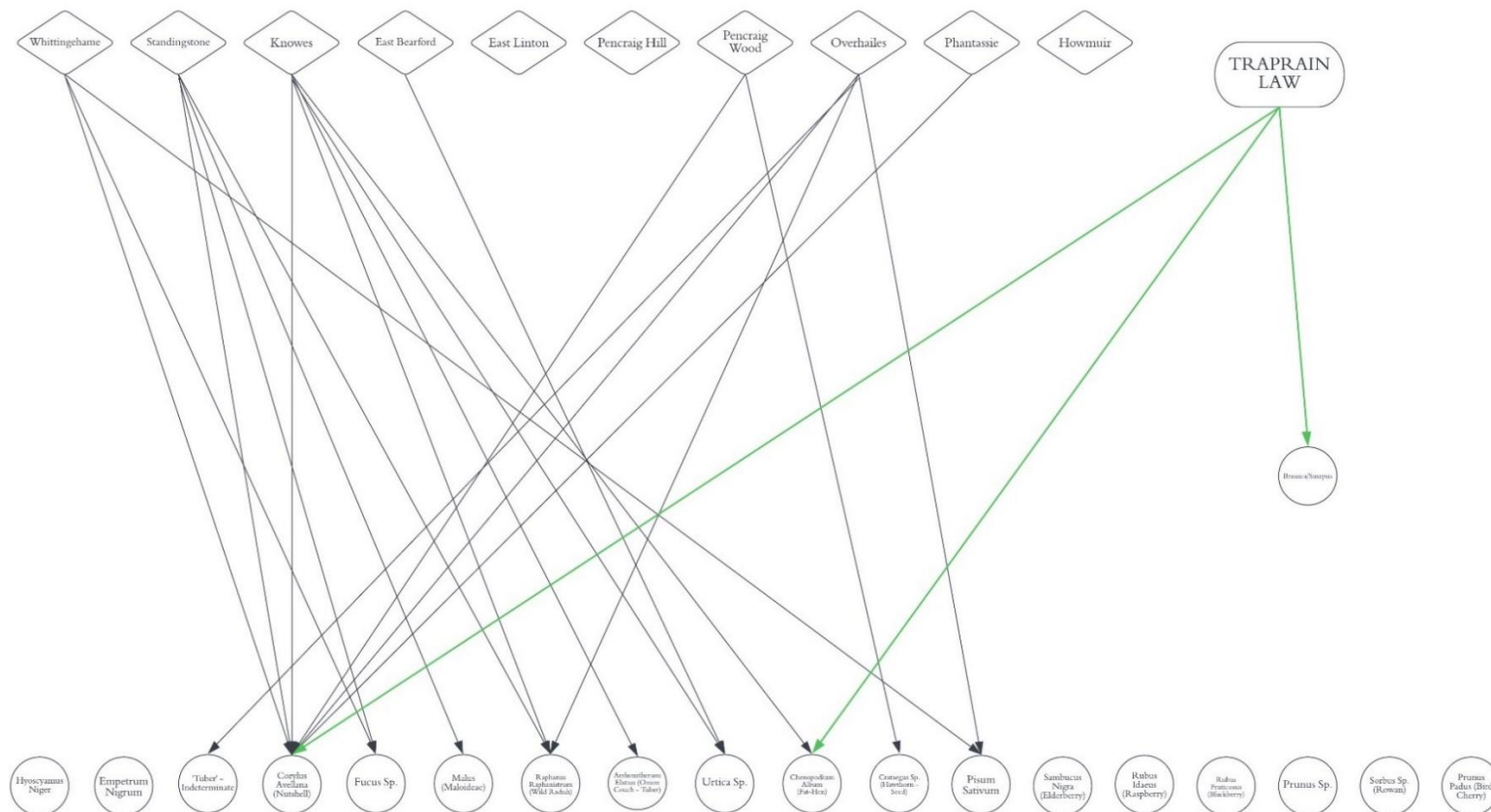
**Figure 7.2** - A resource web showing the presence of various cereals/farmed products for the Zone 2 sites to be analysed in comparison to Figure 16. This allows easier comparison of site assemblages, similarities or differences between sites might reveal much concerning the mode of interactions.



**Figure 7.3** - A detailed resource web showing the presence of various fuel-orientated products for the Zone 1 and Zone 2 sites along with Traprain Law. This allows visual examination of trends in fuel profiles across sites, revealing points of commonality and the extent of fuel-subsistence diversity.



**Figure 7.4** - A detailed resource web showing the presence of various potential wild subsistence products for the Zone 1 sites and Traprain Law. Not all wild products have been included, only the most prevalent or likely to have a purpose involving consumption. This is a visual aid for comparison.



**Figure 7.5** - A resource web showing the presence of potential wild subsistence products for the Zone 2 sites, to be compared with Figure 19. Not all wild products have been included. This is a visual aid for comparison, so connections and inter-site interactions based on environmental resources are clearer.

