APPENDIX C FEATURE DATA

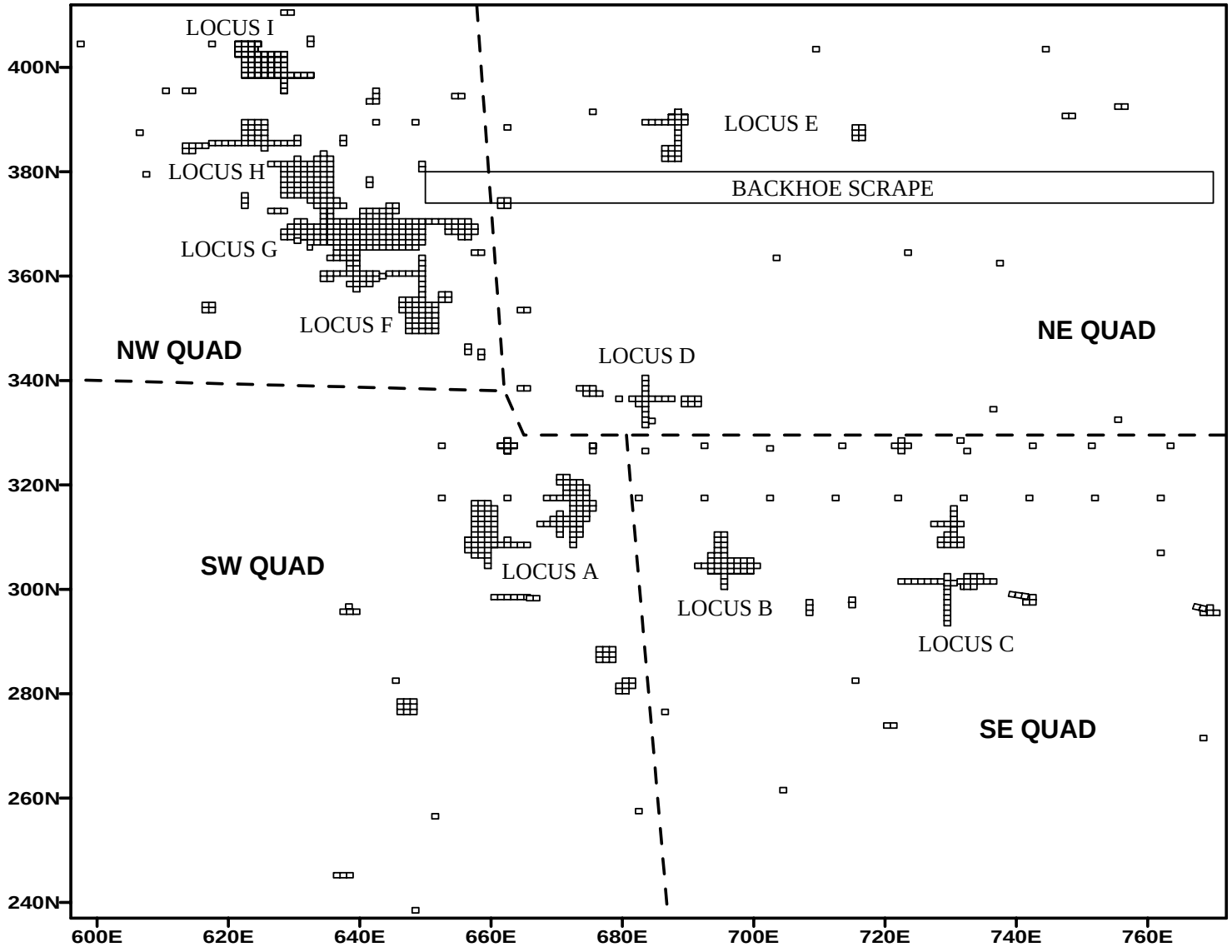


Figure C.1 Site Excavations and Locus Locations

HICKORY BLUFF (7K-C-411)

Feature Morphology

A) ARTIFACT FEATURES (Primary manifestation is the cultural aggregation of artifacts)

1) Concentrations of thermally altered stone

   a) Less than 1 m diameter.
   b) More than 1m diameter, less than 2 m diameter.
   c) Greater than 2 m in diameter

2) Concentrations of diagnostic artifacts

3) Concentrations of modified lithic raw material

4) Concentrations of lithic raw material

B) BASINS (Primary manifestation is the cultural displacement of soil)

1) Large Basin

   a) D-shaped ..... More than 2 m greatest dimension; greater than 1 m depth
   b) Crescent-Shaped ..... More than 2m greatest dimension; length 2X width;
   c) Large Bowl-Shaped..... Between 2 and 3 m greatest dimension; 50 cm to 1 m in depth
   d) Wide, Shallow, Flat-Bottomed ..... More than 3 m in plan; less than 30 cm in depth
   e) Narrow Flat-Bottomed ..... More than 1 m diameter; greater than 60 cm in depth

2) Medium Basin

   a) More than 1 m less than 2 m diameter, variable base morphology and depth

3) Small Basin

   a) Less than 1 m diameter; less than 1 m in depth
   b) Less than 40 cm diameter; depth greater than width
   c) Less than 1 m diameter; depth greater than 1 m

C) SURFACE FEATURES (Primary manifestation is the modification of the ground surface)

1) Compacted Soils

2) Areas of charcoal flecking and/or soil discoloration

D) BIOTIC PATTERNS

1) Root channels

2) Tree Molds

3) Rodent Burrows

E) GEOMORPHIC FEATURES

1) Rise in B or C Horizons

2) Transitional E/B or E/C horizons

3) Fluvial

F) NATURAL

   1) Unclassified Natural discontinuities of the soil profile

FEATURE INVENTORY HICKORY BLUFF (7K-C-411)

Feature Number	Provenience	Origin	Type	Description	Area
1	N368-373 E641-645	Base of A	B1-d	Very large shallow basin	G
2	N371 E656	Base of A	B1-a	Large basin; D-shaped	G
3	N392-393 E689	Base of Ap	B2	Medium Basin	E
4	N338 E677	Top of E	B3-b	Small basin	D
5	N388-389 E718	In E	E3	Geomorphic; fluvial	E
6	N388-389 E718	B/C Interface	E3	Geomorphic; fluvial	E
7	N391.2 E749	B/C Interface	E3	Geomorphic; fluvial	E
8	N393 E756	E/B-B Interface	F1	Undetermined; non-cultural soil anomaly	E
9	N299 665E	Base of E	B1/E3	Basin partially excavated; fluvial; in preserve-in-place area	A Non-Block
10	N301 E730	Base of Ap	B1/D3	Large basin heavily disturbed by rodent activity	C Block 1
11	N297.5 E739.9	E/B Interface	D3	Rodent Burrow	Outlying
12	N296.7 E769	B/C Interface	F1	Undetermined; non-cultural soil anomaly	Outlying
13	N274.4 E721.8	B/C Interface	E3	Geomorphic; fluvial	Outlying
14	N296.7 E769	E/B Interface	F1	Undetermined; non-cultural soil anomaly	Outlying
15	N337 E691	In B	F1	Undetermined; non-cultural soil anomaly	D
16	N337 E691	In B	F1	Undetermined; non-cultural soil anomaly (Feature 15 and Feature 16 are one entity)	D
17	N405 E618	In E	B3-a	Small basin	NW Periphery
18	N404 E745	Base of Ap	F1	Undetermined; non-cultural soil anomaly	E
19	310N E673	Base of Ap	E3	Fluvial; only partially excavated; in preserve-in-place area	A Non-Block
20	N404 E710	Top of E	D2	Tree mold	E
21	N310-311 E660-661	B/C Interface	E2	Geomorphic; transitional soil	A Block 1
22	N309 E673	Base of E	B3-a	Small basin identified in unit wall; (collapsed, before excavated)	A Non-Block
23	N337 E690	In B	F1	Undetermined; non-cultural soil anomaly	D
24	N352 E652	E/C Interface	E2	E/C interface	F

Feature Number	Provenience	Origin	Type	Description	Area
25	N304-308 E693-696	Base of Ap	B1/E2	Large Basin or Localized area of E/B interface	B
26	N283 E716	Base of E	D2	Tree mold	Outlying
27	N307 E695	In Feature 25	D1	Root channel	B
28	N307 E695	In Feature 25	D1	Root channel	B
29	N307 E695	In Feature 25	D1	Root channel	B
30	N307 E695	In Feature 25	D1	Root channel	B
31	N371 E655	In E	B?	Probable basin; partially excavated	G
32	N371 E644	Base E	D3	Rodent Burrow	G
33	N371 E639	Base E	E2	E/C interface	G
34	N371 E639	Base E	E2	E/B interface	G
35	N371 E644	Top of B	D3	Rodent burrow – links up with Feature 287	G
36	N371 E642	In Feature 1	C2	Surface anomaly; may link with Feature 234	G
37	N351 E652	Top of E	B3-a/A2	Small basin with concentration of Marcey Creek Ceramics	F
38	N311-312 E673-674	Base of Ap	B1	Large basin not typed; may intersect with basins partially excavated in previous investigations	A Non-Block
39	N299 E665	Base of A	D2	Tree mold; cuts into Feature 9	A Non-Block
40	N337 E692	Base of Ap	D1/2	Burned Root	D
41	N376-377 E692	E/B Interface	F1	Undetermined; non-cultural soil anomaly	D
42	N310-311 E674	Base of Ap	B	Basin feature not typed; partially excavated; in preserve-in-place area	A Non-Block
43	N310-311 E674	Base of Ap	B	Basin feature not typed; partially excavated; in preserve-in-place area	A Non-Block
44	N361 E643	Base of A	B3-a	Small basin; partially excavated.	F
45	N311 E674	In E	D3	Rodent burrow; truncated Feature 38	A Non-Block
46	N359-361 E640-2	In E	A1-b	Large TAS cluster	F
47	N372 E642	In E	D2	Tree pattern; truncates Feature 1	G
48	N311 E660	E/B Interface	F1	Undetermined; non-cultural soil anomaly	A Block 1
49	311N E660	E/B Interface	D1	Root Channel	A Block 1

Feature Number	Provenience	Origin	Type	Description	Area
50	N311 E661	E/B Interface	D1	Root Channel	A Block 1
51	N311 E661	E/B Interface	D1	Root Channel	A Block 1
52	N311 E661	E/B Interface	F1	Undetermined; non-cultural soil anomaly	A Block 1
53	N311 E661	Base of E	F1	Undetermined; non-cultural soil anomaly	A Block 1
54	N311 E661	In E	B1	Large basin not typed; partially excavated	A Block 1
55	N365-367 E649-650	Top of E	A1-c	Concentration of TAS	G
56	N353 E650	Base of A	D2	Tree mold	F
57	N308 E695	In E	E1	Localized area of high B-horizon	B
58	N380-381 E631	In E	E3	Fluvial; Silty pocket	H
59	N306 E697	In E	D3	Rodent burrow	B
60	N361 E647-648	In E	B1	Large Basin Not Typed	F
61	N383 E631	In E	E1	Displaced B-horizon	H
62	N305 E695	Top of E	A1-a	Concentration of TAS; small cluster	B
63	N382 E635	Top of E	D2	Tree burn	H
64	N382 E635	Top of E	D1	Burned root channel	H
65	N382 E635	Base of A	D1	Root channel	H
66	N 382-383 E631-632	Base of A	D2	Tree mold; Possible basin	H
67	N312-313 E659-660	In E	B2	Medium Basin	A Block 1
68	N382 E634	Base of A	D1	Burned root	H
69	N382 E633	Base of A	D2/3	Amorphous stained/burned area with depth	H
70	N309 E657	Base of Ap	E3	Fluvial; Distortion of geological profile	A Block 1
71	N382 E628	Base E/C	D1	Root channel	H
72	N382 E628	Base E/C	D1	Root channel	H
73	N315 E660	Base of Ap	F1	Undetermined superficial stain; no feature	A Block 1
74	N309 E665	Top of E	E1	Upwelling of C-horizon	A Block 1
75	N309-310 E663	Top of E	D2	Tree mold; possibly cutting a small basin feature	A Block 1

Feature Number	Provenience	Origin	Type	Description	Area
76	N309 E663-664	Base of Ap	B2	Medium basin	A Block 1
77	N375-376 E635	In E	B1-a	Large basin	H
78	N389 E623-625	In E	B1-b	Large basin	H
79	N411 E630	Top of E	D2	Tree mold	NW Periphery
80	N365 E658	Top of E	D3	Rodent disturbance	NW Periphery
81	N365 E658-659	Top of E	E1	Localized area of high B-horizon	NW Periphery
82	N387 E624-625	In E	E1	Localized upwelling of B and C-horizons	H
83	N356-357 E654	Top of E	A1-a	Concentration of TAS; in Tree Bisection 3; not investigated	Tree bisection 3
84	N373 E629	In E	A3	Artifact cluster; modified lithic material	NW Periphery
85	N386 E624	In E	D2/F1	Tree/ Undetermined; non-cultural soil anomaly	H
86	N373 E629	In E	E1	High B-horizon	NW Periphery
87	N370 E632	Top of E	A1-b	FCR cluster above Feature 169	G
88	N370 E632	Top of E	D1	Root channel; taproot	G
89	N370-371 E632	Top of E	C2/F1	Area of discolored soil spatially associated with Feature 87	G
90	N399-404 E623-626	Top of E	B1-a	Large basin; D-shaped	I
91	N373 E628-629	In E	D1	Root channel	NW Periphery
92	N374-5 E662-3	Base of Ap	B1	Large basin found in Tree Bisection 5; not excavated	Tree bisection 5/Strip
93	N394-5 E643	Base of E	F1	Undetermined; non-cultural soil anomaly	NW Periphery
94	N376 E635	Top of E	B1	Large basin not typed; cuts both Feature 129 and Feature 77	H
95	N311 E658	Top of E	D1	Large root channel; heavily disturbed by roots	A Block 1
96	N311 E658	Top of E	D1	Large root channel	A Block 1
97	N311 E659	Top of E	n/a	Superficial; no feature	A Block 1
98	N314 E658	Top of E	A1-a/ B3	TAS-lined; Small basin	A Block 1
99	N312 E659	Top of E	A1-a	Concentration of TAS; small cluster	A Block 1
100	N385 E688-689	Base of Ap	E1/D2	Upwelling of C-horizon, impacted by tree mold pattern	E
101	N370 E630	In E	A1-a	Concentration of TAS; cluster	G

Feature Number	Provenience	Origin	Type	Description	Area
102	N308-310 E695-696	Base of E	D3	Rodent Burrow	B
103	N295-296 E730	Base of Ap	F1	Undetermined; not excavated	C Block 1
104	N302 E725-726	Base of Ap	D2	Tree Mold	C Block 1
105	N316 E659	Top of E	D1	Root channel	A Block 1
106	N314-315 E659	Top of E	D1	Root channel	A Block 1
107	N302 E727	Base of Ap	D1	Root channel	C Block 1
108	N302 E725-26	E-B Interface	F1	Undulation of soil profile; only partly in trench	C Block 1
109	N316 E658-659	Top of E	D2	Superficial; tree stain	A Block 1
110	N312 E660	Base of E	E2	Localized high B-horizon; E/B interface	A Block 1
111	N336-337 E683-684	Base of Ap	B3a/D2	Small basin badly disturbed by a tree	D
112	N336 E684	Base of Ap	D1	Root channel	D
113	N391 E690	Base of Ap	B3-a	Small basin	E
114	N307 E658	Top of E	A2	Concentration of diagnostic artifacts; Hell Island ceramic fragments	A Block 1
115	N307-308 E658-659	Top of E	C2/D2	Amorphous surface area of charcoal flecking; tree mold	A Block 1
116	N302 E732	Within E	B3-a/D3	Small basin impacted by rodent burrow	C Block 1
117	N333 E684	Base of Ap	B3-a	Small basin	D
118	N300-303 E730-735	Base of Ap	B1-a	Large basin, D-shaped	C Block 1
119	N339 E675	Base of Ap	D2	Tree mold (initially excavated as Feature 42; number was already used)	D
120	N308 E659	Top of E	B3-a	Small basin; shaft-like	A Block 1
121	N315 E660	Top of E	D1	Large root	A Block 1
122	N316 E660	Top of E	D1	Root Channel	A Block 1
123	N311 E659	Top of E	A1-a	Concentration of TAS; small cluster	A Block 1
124	N385 E688	Base of Ap	D1	Root channel	E

Feature Number	Provenience	Origin	Type	Description	Area
125	N304 E699	Base of Ap	F	Historical/modern disturbance	B
126	N304 E700	Base of Ap	D2	Tree mold	B
127	N317 E660	Top of E	D1	Root channel	A Block 1
128	N381 E635	Top of E	D1	Root channel	H
129	N381 E635	Top of E	B1-d	Very large wide shallow basin; may be 2 features	H
130	N385 E687	Base of Ap	D1	Root channel	E
131	N383-385 E687-689	Base of Ap	B1	Large basin not typed; formerly Feature 100B and Feature 100C south; partially excavated, left in bisection	E
132	N381 E634	Base of A	D1	Burned root	H
133	N307 E659	Top of E	D1	Root channel	A Block 1
134	N307 E659	Top of E	D1	Root channel	A Block 1
135	N312 E660-661	Top of E	D1	Root channel	A Block 1
136	N312 E659	In E	A1-a	Concentration of TAS; small cluster	A Block 1
137	N315 E659-660	In E	B3-a	Small basin; shallow bowl-shaped	A Block 1
138	N384 E689	Base of Ap	C2	Shallow surface area of discolored soil with charcoal concentrations	E
139	N359-60E642-3	Base of A	B3-a	Medium basin	F
140	N383 E635	Base of A	D1	Burned root	H
141	N383 E635	Base of A	D1	Burned root	H
142	N361 E641	In E	D1	Root channel	F
143	N385 E688	In E	D3	Rodent borrow	E
144	N382 E635	Within F-63	D1	Burned root	H
145	N314 E659	In E	A1-a	Concentration of TAS; small cluster	A Block 1
146	N311 E659	In E	A1-a	Concentration of TAS; small cluster	A Block 1
147	N381 E634	Base of A	D1	Burned root	H
148	N383 E636	In E	D3	Rodent Burrow (Linked to Feature 149)	H
149	N383 E635	In E	D3	Rodent Burrow (Linked to Feature 148)	H
150	N382 E634	Top of E	D1	Root channel	H

Feature Number	Provenience	Origin	Type	Description	Area
151	n/a	n/a		Gap in numbering sequence	n/a
152	N310 E663	Top of E	D3	Rodent burrow	A Block 1
153	N387 E624	In F-82	D1	Root channel	H
154	N316 E658	Top of E	D1	Root channel — in west wall of block	A Block 1
155	N313-316 E661	In E	F1	Undetermined; Dip in E-horizon	A Block 1
156	N383 E635	Top of E	D1/D2	Area of reddish mottled soil; possibly associated with Feature 63 tree burn	H
157	N310 E663	Top of E	D3	Rodent burrow	A Block 1
158	N353-354 E648-649	In E	A1-b	Large TAS cluster with quartz pebbles; encompasses Feature 159 and Feature 160	F
159	N353-354 E649-650	In E	A1-a	Small TAS cluster; incorporated into Feature 158	F
160	N353 E649	In E	A1-a	Small TAS cluster; incorporated into Feature 158	F
161	N313 E662	In E	B3-a	Small basin	A Block 1
162	N376 E623	In E	A1-a	Concentration of TAS; small cluster; Tree Bisection 15	Tree bisection 15
163	N376 E623	In E	A1-a	Concentration of TAS; small cluster; Tree Bisection 15	Tree bisection 15
164	N353-355 E650-652	Top of E	A1-c	Concentration of TAS; scatter	F
165	N381 E632-633	In Feature 129	A1-a	Concentration of TAS; cluster	H
166	N380 E632-633	In Feature 129	A1-a	Concentration of TAS; cluster	H
167	N369 E630	Base E	F1	Undetermined; non-cultural soil anomaly	G
168	N369 E630	Base E	F1	Undetermined; non-cultural soil anomaly	G
169	N369 E630	In E	B1-a	Large basin; D-shaped	G
170	N308 E657	Base of A	B1?	Apparent large basin cutting Feature 70; seen in unit wall not excavated	A Block 1
171	N310 E657	Base of A	B2?	Apparent medium basin cutting Feature 70; seen in wall; not excavated	A Block 1
172	N369 E630-631	In E	A1-b	Small TAS cluster; just below Feature 87	G
173	N401 E627	In E	A1-a	Small TAS cluster; fractured from a single tabular rock	I

Feature Number	Provenience	Origin	Type	Description	Area
174	N378 E636	In E	A1-a	Concentration of TAS; small cluster	H
175	N402 E627-628	Top of E	A1-a	Concentration of TAS; small cluster	I
176	N352 E648-649	Top of E	A1-b	Concentration of TAS; small cluster	F
177	n/a	n/a	n/a	Gap in sequence	n/a
178	N370 E630	In E	A2	Concentration of diagnostic artifacts; Marcey Creek ceramics	G
179	N401 E627	In E	D1	Root channel	I
180	N3693-71E630-631	In E	B2	Medium Basin; may be related to or part of Feature 169	G
181	N352-353 E650-651	In E	D1	Burned root	F
182	N245.7 E637	In E	A1-b	Small TAS scatter; identified in Tree Bisection 16	Tree bisection 16
183	N386-388 E625	Base of E	F1	Undetermined; non-cultural soil anomaly	H
184	center N368 E633	Top of E	B1-a	Large basin; D-shaped	G
185	N377 E635	Base of A	D1	Root Channel	H
186	N378 E636	In E	F1	Water Stain	H
187	N367-368 E646	Top of E	C2	Feature 187; surface broken down into individual large basins	G
188	N353 E652-653	E-E/C Interface	E1	Upwelling of C-horizon	F
189	N245.7 E638-639	In E	A1-b	Concentration of TAS; cluster in Tree Bisection 16	Tree bisection 16
190	N375.0 E652.0	Base of Ap	B1	Probable large basin; not fully exposed; not excavated	Backhoe Strip
191	377.0N E652.6	Base of Ap	D1	Root channel	Backhoe Strip
192	N375.6 E653.3	Base of Ap	D1	Root channel	Backhoe Strip
193	N374.9 E653.7	Base of Ap	B3-b	Historical/modern post	Backhoe Strip
194	N374.2 E654.7	Top of E	A-1a	Concentration of TAS; small cluster	Backhoe Strip
195	N376.7 E654.9	Base of Ap	n/a	Superficial; no feature	Backhoe Strip
196	N375.8 E655.2	Base of Ap	n/a	Superficial; no feature	Backhoe Strip
197	N376.8 E655.3	Base of Ap	n/a	Superficial; no feature	Backhoe Strip
198	N376.0 E655.3	Base of Ap	B3-b	Historical/modern post	Backhoe Strip
199	N374.3 E655.8	Base of Ap	D1	Root channel	Backhoe Strip
200	N378.1 E655.3	Base of Ap	D1	Root channel	Backhoe Strip

Feature Number	Provenience	Origin	Type	Description	Area
201	N374.4 E657.7	Base of Ap	n/a	Superficial; no feature	Backhoe Strip
202	N374.5 E660.2	Base of Ap	B3-a	Small basin; cache with ceramics and 2 cobble tools	Backhoe Strip
203	N374.4 E660.6	Base of Ap	B3-a	Small basin; adjacent to Feature 202	Backhoe Strip
204	N374.0 E660.4	Base of Ap	B3-b	Small basin	Backhoe Strip
205	N376.1 E660.3	Base of Ap	D1	Root channel; organic-rich pocket within Feature 92; not excavated	Backhoe Strip
206	N376.9 E660.4	Base of Ap	D1	Root channel	Backhoe Strip
207	N377.2 E660.7	Base of Ap	D1	Root channel	Backhoe Strip
208	N375.6 E660.7	Base of Ap	B3-a	Small Basin; shallow; undetermined if cultural (D-1 Root?)	Backhoe Strip
209	N375.9 E661.3	Base of Ap	D1	Root channel; organic-rich pocket within Feature 92	Backhoe Strip
210	N375.2 E661.2	Base of Ap	D1	Root channel; not excavated	Backhoe Strip
211	N375.2 E661.8	Base of Ap	D1	Root channel; organic-rich pocket within Feature 92	Backhoe Strip
212	N376.7 E661.5	Base of Ap	D1	Root channel	Backhoe Strip
213	N376.4 E662.4	Base of Ap	D1	Root channel	Backhoe Strip
214	N379.8 E662.7	Base of Ap	D1	Root channel	Backhoe Strip
215	N376.8 E663.6	Base of Ap	D1	Root channel	Backhoe Strip
216	N375.8 E663.8	Base of Ap	D1	Root channel	Backhoe Strip
217	N375.1 E666.1	Base of Ap	D1	Root channel; not excavated	Backhoe Strip
218	N375.9 E666.0	Base of Ap	D2	Tree mold; loose, organic irregular stain; not excavated	Backhoe Strip
219	N375.4 E669.9	Base of Ap	D2	Tree mold; loose, organic irregular stain; not excavated	Backhoe Strip
220	N375.7 E669.6	Base of Ap	D2	Tree mold; loose, organic irregular stain; not excavated	Backhoe Strip
221	N376.5 E654.0	Base of Ap	E1	Rise in B-horizon	Backhoe Strip
222	N379.6 E671.6	Base of Ap	D1	Root channel; not excavated	Backhoe Strip
223	N379.2 E673.2	Base of Ap	F1/B1	Undetermined natural/Large Basin not typed	Backhoe Strip
224	N350-1 E649-51	In E	A1-a	Concentration of TAS; small cluster with Marcey Creek ceramics	F
225	N376.2 E663.1	Base of Ap	B3/D1	Small basin; spatially associated with Feature 92	Backhoe Strip
226	N375.6 E663.1	Base of Ap	D1	Root channel; within Feature 92; not excavated	Backhoe Strip

Feature Number	Provenience	Origin	Type	Description	Area
227	N385-386 E626	Top of E	A1-a	Concentration of TAS; small cluster	H
228	N368-369 E656-657	In E	D3	Rodent Burrow	G
229	N376.2 E682.8	In E	A4	Concentration of lithic raw material	Backhoe Strip
230	N373 E645	Top of E	A1-a	Concentration of TAS; small cluster	G
231	N379 E634	In Feature 129	D1	Root channel	H
232	N366-368 E646-647	In E	B1-c/D3	Large basin; bowl-shaped; impacted by rodent runs	G
233	N350 E650-651	Base E	B2	Medium basin	F
234	N372-373 E642-643	Below Feature 1	B2	Medium basin found under Feature 1	G
235	N366-367 E643-644	Top of E	A1	Concentration of TAS; small cluster	G
236	N366-367 E646	Top of E	B1-c	Part of Feature 232	G
237	N378.6 E692.0	Base of Ap	F1	Undetermined; non-cultural soil anomaly; not excavated	Backhoe Strip
238	N380.5 E698.8	Base of Ap	F1	Undetermined; non-cultural soil anomaly; not excavated	Backhoe Strip
239	N377.8 E701.2	Base of Ap	F1	Undetermined; non-cultural soil anomaly; not excavated	Backhoe Strip
240	N379.0 E708.9	Base of Ap	F1	Undetermined; non-cultural soil anomaly	Backhoe Strip
241	N380.0 E713.0	Base of Ap	n/a	Superficial; no feature	Backhoe Strip
242	N376 E714.5	Base of Ap	F1	Undetermined; non-cultural soil anomaly; not excavated	Backhoe Strip
243	N375.0 E709	Base of Ap	B/F1	Large basin; Crescent-shaped; half out of strip	Backhoe Strip
244	N376.5 E719.5	Base of Ap	n/a	Superficial; no feature	Backhoe Strip
245	N380.5 E726.5	Base of Ap	F1	Undetermined; non-cultural soil anomaly; not excavated	Backhoe Strip
246	N380.6 E742.0	Base of Ap	B2/F1	Medium basin/Natural undetermined	Backhoe Strip
247	N378.5 E743.0	Base of Ap	F1	Undetermined; natural or possible Large basin D-shaped	Backhoe Strip
248	N377.0 E725.2	Base of Ap	F1	Undetermined; natural or possible Large basin; Crescent shaped; not excavated	Backhoe Strip
249	N372 E641	Top of E	A1-a	Concentrations of TAS; small cluster	G
250	N378.5 E656.8	Base of E	B2/D2	Medium basin; disturbed by tree mold	Backhoe Strip

Feature Number	Provenience	Origin	Type	Description	Area
251	N379.5 E656.9	In E	E1	Area of displaced subsoil	Backhoe Strip
252	N379.5 E658.5	In E	B1-c	Large basin; bowl-shaped	Backhoe Strip
253	N379.8 E665.5	Top of B	B1/D3	Large basin; undetermined class with large rodent disturbance	Backhoe Strip
254	N370 E641	Top of E	D1	Root channel	G
255	N373 E 642-643	Top of E	D1	Root Channel	G
256	N378.0 E740.0	Top of C	F1	Undetermined; non-cultural soil anomaly; not excavated.	Backhoe Strip
257	N378-80 E636	Top of E	F1/B	Undetermined; natural or not typed basin	H
258	G Block	In E	C1	Ridge-like mound of hard soil surrounding large basins	G
259	N350-51 E648-9	Base E	D3	Rodent burrow	F
260	N377.5 E655.4	Base of E	B2-a	Medium basin	Backhoe Strip
261	N367 E645	In E	D3/D1	Rodent burrow with taproot	G
262	N377.5 E662.8	Base of E	B3-a	Small basin	Backhoe Strip
263	N376.9 E664.3	Base of E	B3-a	Small basin	Backhoe Strip
264	N379.0 E664.0	Base of E	F1	Undetermined; natural or possible Small basin	Backhoe Strip
265	N366-367 E644-645	In E	B1-c	Large basin	G
266	N378.2 E665.5	Base of E	B3-a	Small basin	Backhoe Strip
267	N379 E629	In Feature 129	B3-b/D1	Small basin; in west end of Feature 129 or Large Root	H
268	N383 E634	Base of E/C	D1	Amorphous soft stain with rock; Root Rot	H
269	N378 E668	Base of E	B2	Medium basin; left in bisection	Backhoe Strip
270	N366 E645	In E	B3-a*	May be part of Feature 265; or combo D2/D3*	G
271	N364 E636	Base of A	B1/F1	Large basin not typed or undetermined natural; partially excavated	G
272	N374 E638	Top of E	A1-a	Concentration of TAS; (also double numbered as Feature 285)	H
273	N374 E645-646	Top of E	B1	Large basin; not typed	G
274	N373 E646	Top of E	B1	Probable large basin; not typed; partially excavated	G
275	center. N365 E639	Top of E	B1-d	Large basin; shallow flat-bottomed	G
276	N386 E630	Top of E	B3-a	Small basin; shallow, bowl-shaped	H
277	N384 E634	In E	B1/F1	Shallow basin or undetermined natural	H

Feature Number	Provenience	Origin	Type	Description	Area
278	N405 E622	In E	B2-a	Medium basin; partially excavated	I
279	N366 E638	In E	B1	Large basin, undetermined type truncated by Feature 275	G
280	N354-355 E648-649	Top of E	A1-b	Concentration of TAS; small scatter with quartz pebbles	F
281	N354-356 E647-648	Top of E	A1-c	Concentration of TAS; small scatter with quartz pebbles	F
282	N363-364 E639	Top of E	B	No feature; incorporated into Feature 275	G
283	N364-365 E640-641	Base of A	D1/F1	Natural staining from tree and/or other natural agent	G
284	N369 E634-635	Base of A	A1-a	Small TAS cluster; with basin Feature 310	G
285	Is same as Feature 272			Feature Entered Twice – Excavated as Feature 272	
286	Is same as Feature 299			Feature Entered Twice – Excavated as Feature 299	
287	N368-370 E644-646	Base of F-1	B1-c/D3	Large basin; bowl-shaped with heavy rodent disturbances	G
288	N374 E635	In E	B1	Large basin; not typed; partially excavated	H
289	N356 E647	In E/C	A1-a	Concentration of TAS; cluster of 3 TAS, 2 cobbles	F
290	N377 E634	Base of Feature 129	B3/D1	Small basin; in east end of Feature 129	H
291	N369 E648	In E	B1-c/D1	Large basin; left in bisection; with large taproot disturbances	G
292	N404 E623	Base of E	F1	Undetermined; non-cultural soil anomaly	I
293	N369 E641	In E	D1	Root channel	G
294	N368 E638	In E	A3	Concentration of modified lithic; cache of three formal cobble tools	G
295	N364 E636-637	In E	E1	Displaced subsoil	G
296	N372 E635	Top of E	A1-a	Concentration of TAS; small cluster	G
297	N370 E637	Top of E	B1-b	Large basin	G
298	N370 E635	In E	B2	Medium basin; cuts into upwelling of C-horizon	G

Feature Number	Provenience	Origin	Type	Description	Area
299	N374 E638	In E	B1	Possible large basin not typed; partially excavated (double numbered as Feature 286)	H
300	N366 E638	In E	D1	Root channel	G
301	N366 E638	In E	D1	Root channel	G
302	N367 E638	In E	D1	Root channel	G
303	N366 E648	Top of B	B1/F1	Possible large basin or undetermined natural; not excavated	G
304	N375 E633	Base of E	E1	Upwelling of C-horizon	H
305	N373 E641	Top of E	B1/F1	Possible large basin or undetermined natural; not excavated	G
306	N370 E646-647	Top of E	B1/F1	Possible large basin or undetermined natural; not excavated	G
307	N366-367 E649	Top of E	B1/F1	Possible large basin or undetermined natural; not excavated	G
308	N370 E649	Top of E	B1/F1	Possible large basin or undetermined natural; not excavated	G
309	N371 E632	Middle of E	F1/D2	Undetermined; natural soil anomaly may be tree related; not excavated,	G
				End Field Assigned Feature Number Series	
310	N369-370 E634-635	In E	B2	Medium Basin; associated with Feature 284	G
311	N366-367 E644-645	In E	A1-b	Concentration of TAS; scatter; above Feature 265; (entered twice first as Feature 235)	G
312	N390-391 E689-690	Top of E	B2	Medium Basin; formerly referred to as Feature 3A; actually separate basin feature, in EU-5.	E
313	N370-371 E643	Base of Feature 1	B2	Medium Basin; formerly referred to as Feature 1: Now seen as separate entity deeper in profile.	G
314	N299 E663	Base of A	D2	First tree bisection, before experimental program; south profile of unit	A non-block
400	N329 E663	Within E	B3-a	EU 18 (Formerly small basin)	SW Small Block
401	N329 E663	Within E	B3-a	EU 18 (Formerly small basin)	SW Small Block
402	N329 E732	Within E	B1/D2	EU 20 (Formerly Pithouse)	SE Quad
403	N328 E664	Within E	A1-a	EU 92 (Formerly Hearth)	SW Small Block
404	N311 E755	Base of Ap	B1-a	EU 55 (Formerly Pithouse 1)	C Block 2

Feature Number	Provenience	Origin	Type	Description	Area
405	N310 E729.5	Within E	B2	EU 60 (Formerly Late Woodland Basin)	C Block 2
406	N315 E674	Top of E	B1-a/ D3	EU 96 (Formerly Pithouse 2)	A Block 2
407	N319 E673	Base of Ap	B1-a	EU 80 (Formerly Pithouse 3)	A Block 2
408	N313 E671	Base of Ap	B1-a/F	EU 115 (Formerly Pithouse 4)	A Block 2
409	N318 E670	Base of Ap	B1-a	EU 121 (Formerly Pithouse 5)	A Block 2
410	N322 E671	Base of Ap	B1-a	EU 122 (Formerly Pithouse 6)	A Block 2
411	N313 E675	Base of Ap	B1-a	EU 105 (Formerly Pithouse 7)	A Block 2
412	N313 E670	Base of F-408	B1-a	EU 116 (Formerly Pithouse 8)	A Block 2
413	N313 E668	Base of Ap	B1-a	EU 128 (Formerly Pithouse 9)	A Block 2
414	N314 E671.75	In Feature 408	B3-a	EU 103 (Formerly Grog Pit)	A Block 2
415	N313.70 E672.2	In Feature 408	A2	EU 114 (Formerly Ceramic Cache)	A Block 2
416	N314 E672	In Feature 408	C1	EU 119 (Formerly Mounded Soil)	A Block 2
417	N320 E675	In Feature 407	A1-b	EU 83 (Formerly Scattered Hearth)	A Block 2
418	N318 E663	Base of Ap	B3-a	EU 43 (Not written up previously)	SW Quad
419	N318 E693	In B	D2	EU 46 (Not written up previously)	SW Quad
420	N318 E703	Base of Ap	E1	EU 47 (Not written up previously)	SW Quad
421	N318 E713	Top of E	D3	EU 48 (Rodent Burrow)	SE Quad
422	N318 E670	Base F-409	B2	EU 121 (Formerly Late Woodland Storage Pit)	A Block 2
423	N318 E683	In E	B3/D3	EU 45 (Not written up previously)	SW Quad
424	N328 E743	In E/B Interface	B2/F1	EU 39 (Not written up previously)	SE Quad
425	N327 E703	Base of Ap	B1/F1	EU 35 (Not written up previously)	SW Quad
426	N327 E703	Top of B	B3/F1	EU 35 (Not written up previously)	SW Quad
427	N327 E676	In B	D3	EU 12 (Not written up previously)	SW Quad
428	N328 E676	In B	D1	EU 32 (Not written up previously)	SW Quad
429	N328 E693	In E/B Interface	D1	EU 34 (Not written up previously)	SW Quad
430	N389 E663	In E	F1	EU 4 (Not written up previously)	NW Quad
431	N363 E738	Top of E	B3	EU 23 (Not written up previously); SE corner context 6	NE Quad
432	N363 E738	Top of E	D3	EU 23 (Not written up previously); West wall context-8	NE Quad

Feature Number	Provenience	Origin	Type	Description	Area
433	N328 E714	In B	D2	EU 36 (Not written up previously)	SE Quad
434	N318 E663	Base of Ap	F1	EU 43 Geomorphic/possible basin separate from Feature 418	SW Quad
435	West Block	Base of Ap	D1/D2	36 various natural intrusions noted within the block	A Block 2

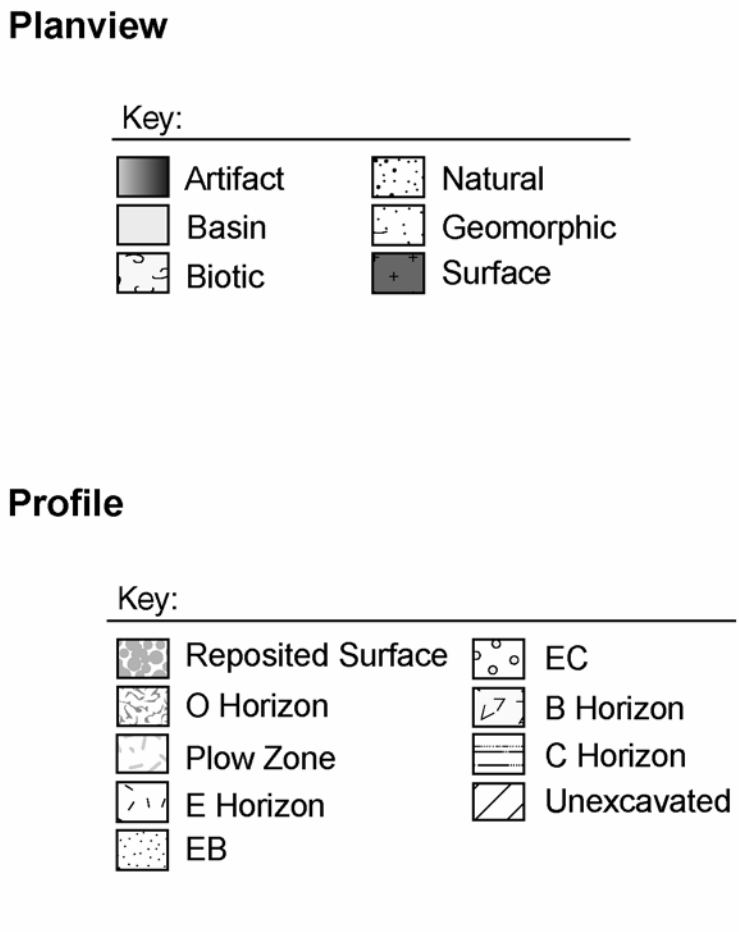


Figure C.2 Soil Legend for Hickory Bluff

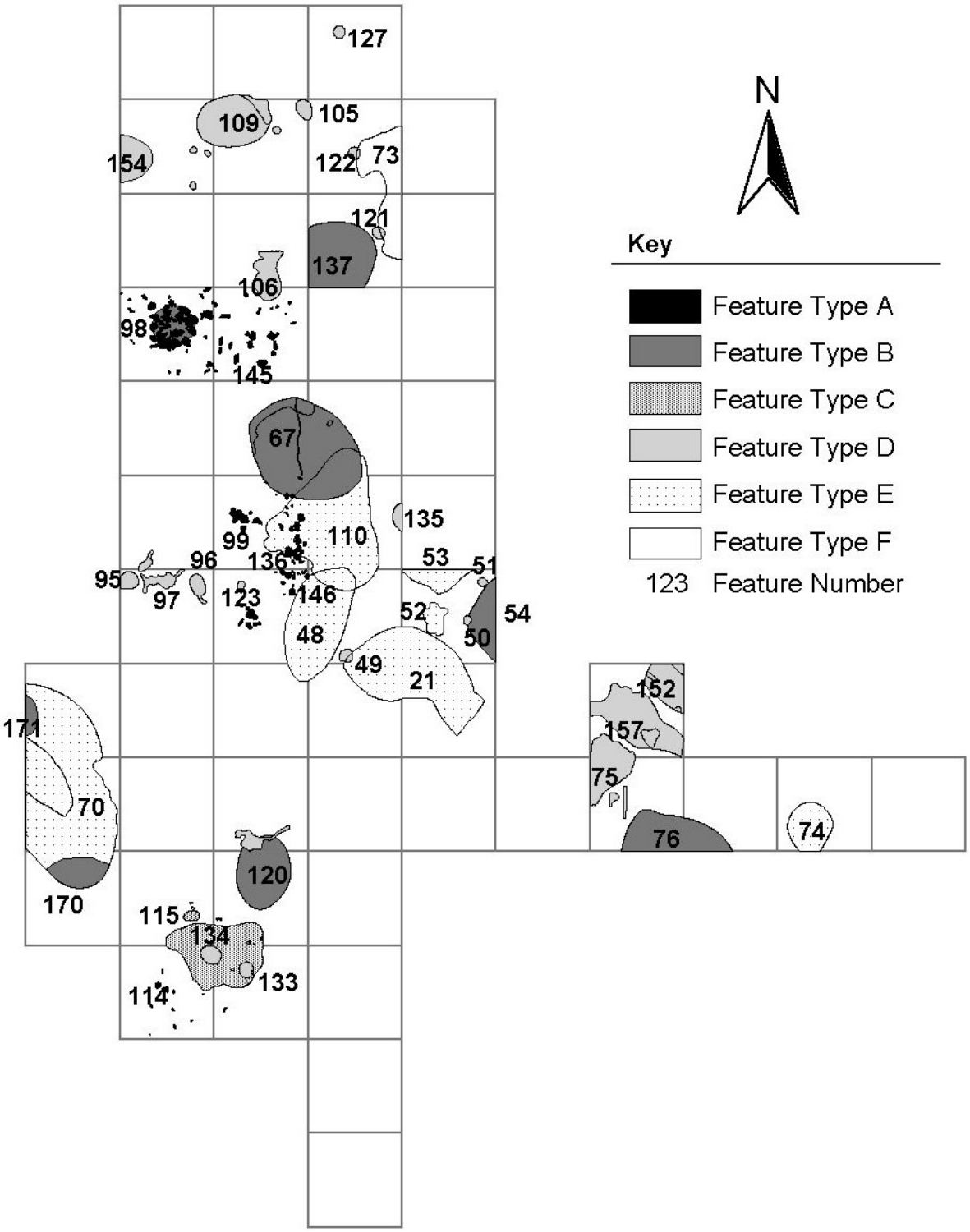
LOCUS A

Location: Locus A was located in the northernmost portion of the southwest quadrant of the project area. Locus A Block 1was situated between N305-317 and E656-666. A total of 52 contiguous 1 m^2 units comprised the block in an area of open wooded canopy near the bluff edge. Locus A Block 2 was located between N309-322 and E668-676 and a total of 54 1 m^2 units were included in the block, which was located in the plowed area of the site. Locus A Block 2 will be discussed in more detail within the Previous Excavation Features section of this appendix.

Purpose: Excavations were undertaken in Locus A for coverage of this high artifact density zone located in the middle portion of the site. Initial excavations identified several possible features and high artifact counts. With further excavation, a pattern was observed that many features were located at the top of the E-horizon and about the same depth from surface. The block of units was then opened up to this level to identify and observe the pattern of features.

Soil Description: Stratigraphy in the area consisted mostly of plowed horizon (Ap) underlain by a truncated E-horizon. However, six units within Locus A Block 1 exhibited a total or partial unplowed soil profile, described as an Ao horizon. The plow zone was on average 25 cm thick. It was comprised of a very dark grayish brown to dark grayish brown, sandy silt to silty sand and contained both historic and Native American artifacts. In areas exhibiting no plow disturbance, the Ao horizon was from 12-20 cm in thickness. Immediately beneath the plow zone, was an E-horizon with Native American deposits. It was comprised of a yellowish brown to brownish yellow sandy silt and generally contained Native American artifacts, with occasional historic artifacts being introduced by downward movements. A number of features were encountered at the Ap-Ao/E interface, while others were found well into the E-horizon. Beneath the E horizon, a variety of sub-strata were observed, the range of which can be attributed to the close proximity to the bluff edge overlooking the St. Jones River. Soil profiles in the block show a range of variation reflecting fluvial action. These variations range from sorted gravel and sand strata to eroded argillic B-horizons.

Excavations in Locus A Block 1 identified 44 discontinuities in the profile. Of these, there were 8 basins (Features 54, 67, 76, 120, 137, 161, 170 and 171); 5 TAS features (Features 99, 123, 136, 145, and 146); 1 combination basin and thermally altered stone (TAS) cluster (Feature 98), and 1 cluster of diagnostic ceramics (Feature 114). Geomorphic processes accounted for 9 of the identified irregularities (Feature 21, 48, 52, 53, 70, 74, 110, 154, and 155). A variety of biotic agents produced 17 features or anomalies (Features 49, 50, 51, 75, 95, 96, 105, 106, 109, 121, 122, 127, 133, 134, 135, 152, and 157). One feature consisted of a biotic disturbed surface (Feature 115) and two other features were undetermined natural occurrences (Features 73 and 97). The variety of feature types and their relationships within the block provided information concerning the complexities of site formation.


127
109
105
154
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74
120
170
115
134
133
114
N
Key
Feature Type A
Feature Type B
Feature Type C
Feature Type D
Feature Type E
Feature Type F
123 Feature Number

Locus A

Feature 21

Location (Centerpoint):
N310 E660
Locus A

Type:
E2: Geomorphic

Morphology:
Plan: Irregular Ovoid
Profile: Irregular Lens

Dimensions: (excavated area)
Length: 165 cm
Width: 135 cm
Depth: 18-36 cm

Origin:
B-horizon

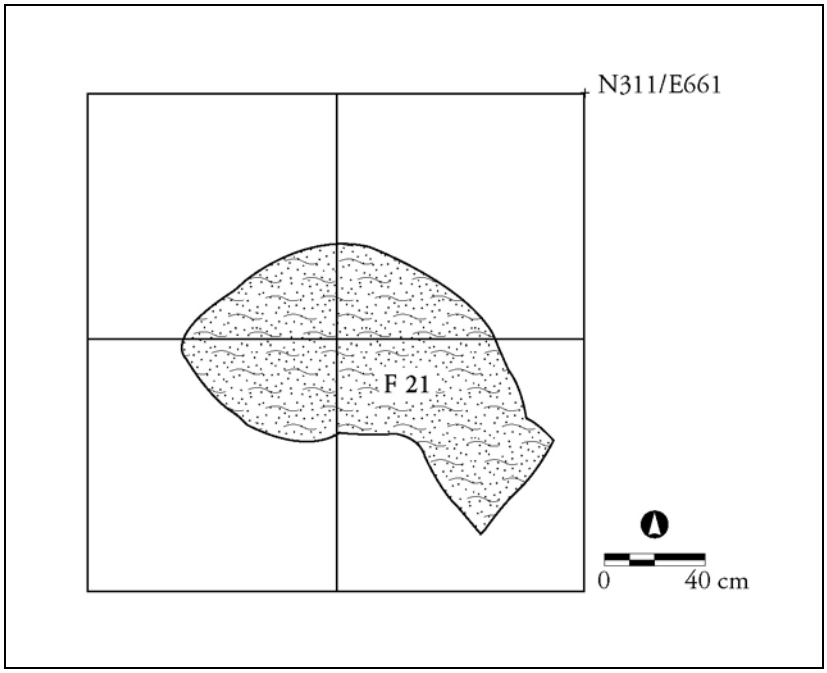
Soil Classification:
10 YR 6/6 Brownish Yellow Sandy Loam

Radiocarbon Assay:
Not Dated

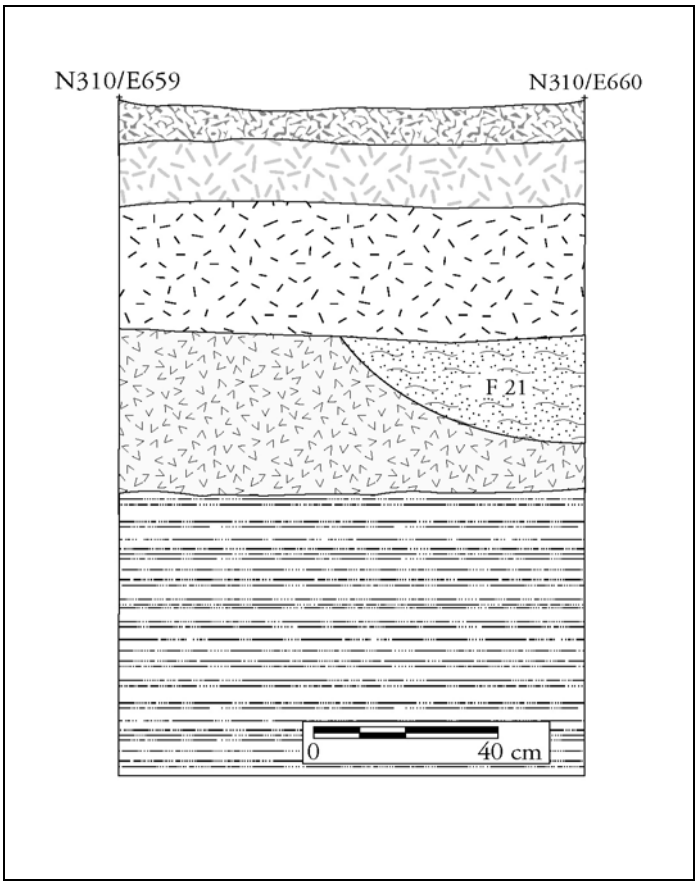
Artifacts:
No Cultural Material

Ecofacts:
None Recovered

Description: Feature 21 consisted of an irregularity in the B-horizon. Soil matrix was slightly denser and more compact than the adjacent B-horizon. Feature 21 was amorphous and no cultural material was recovered from within its limits. The feature represented an area of differential B-horizon development and was not cultural in origin.



Planview



Partial Profile Facing North

Feature 48

Location (Centerpoint):
N310.5 E659
Locus A

Type:
E2: Geomorphic

Morphology:
Plan: Irregular ellipse
Profile: Irregular lens

Dimensions:
Length: 120 cm
Width: 55 cm
Depth: 15 cm

Origin:
E-B Interface

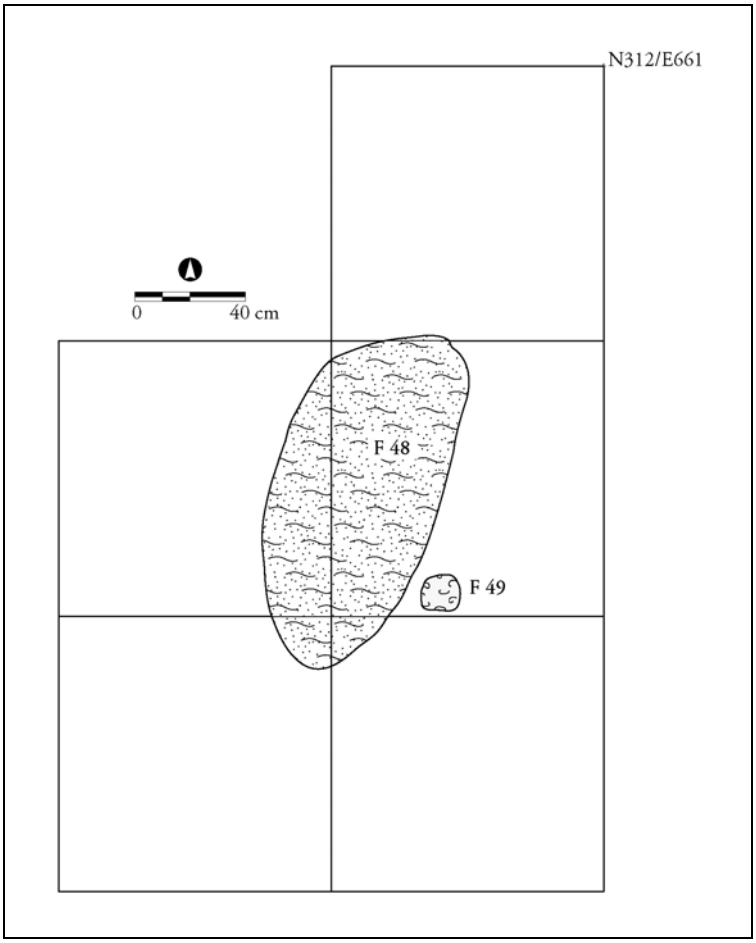
Soil Classification:
10 YR 4/6 Dark Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

Artifacts:
No Cultural Material

Ecofacts:
None Recovered

Description: Feature 48 consisted of a thin band of soil, slightly darker in color but texturally similar to the B-horizon. The feature, which originated at the base of the E-horizon, was irregular in form. No artifacts were recovered from within its limits. Feature 48 represented an area of differential B-horizon development and was not cultural in origin.



Planview

Features 49, 50, and 51

Location (Centerpoint):
49) N310.15 E659.40
50) N310.45 E660.68
51) N310.87 E660.80
Locus A

Type:
D1: Biotic Pattern – Tree Root

Morphology:
Plan: Circular to ovoid
Profile: Conical, irregular bottom

Dimensions:

49:		51:	
Length:	13 cm	Length:	9 cm
Width:	12 cm	Width:	8 cm
Depth:	8 cm	Depth:	9 cm

50:	
Length:	9 cm
Width:	7 cm
Depth:	10 cm

Origin:
E -B Interface

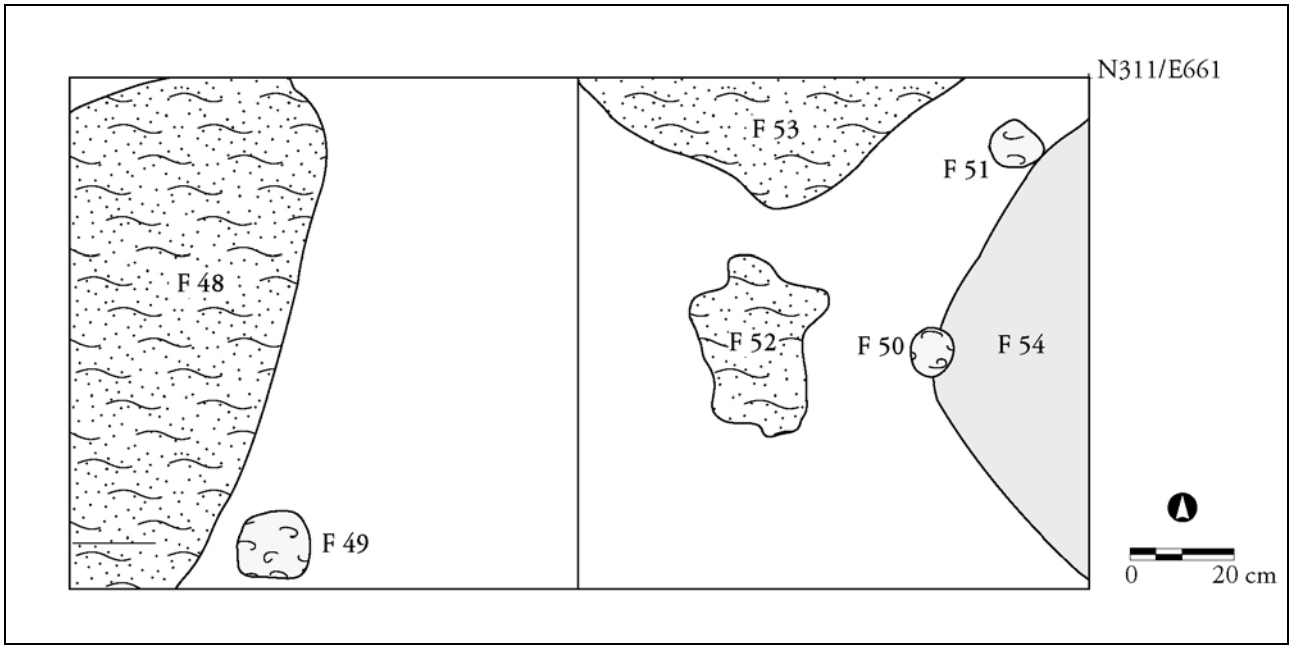
Soil Classification:
10 YR 5/8 Yellowish-Brown Sandy Loam

Radiocarbon Assay:
Not Dated

Artifacts:
No Cultural Material

Ecofacts:
None Recovered

Description: As excavated, Features 49, 50 and 51 consisted of small, conical to slightly irregular disturbances. Planviews were round to ovoid. Profiles were conical to irregular. No artifacts were recovered from the features, nor was any significant charcoal flecking noted. The features represented natural disturbances.



Planview

Feature 52

Location (Centerpoint):
N310.5 E660.35
Locus A

Type:
E2: Geomorphic

Morphology:
Plan: Irregular
Profile: n/a

Dimensions:
Length: n/a
Width: n/a
Depth: n/a

Origin:
Base of E-horizon

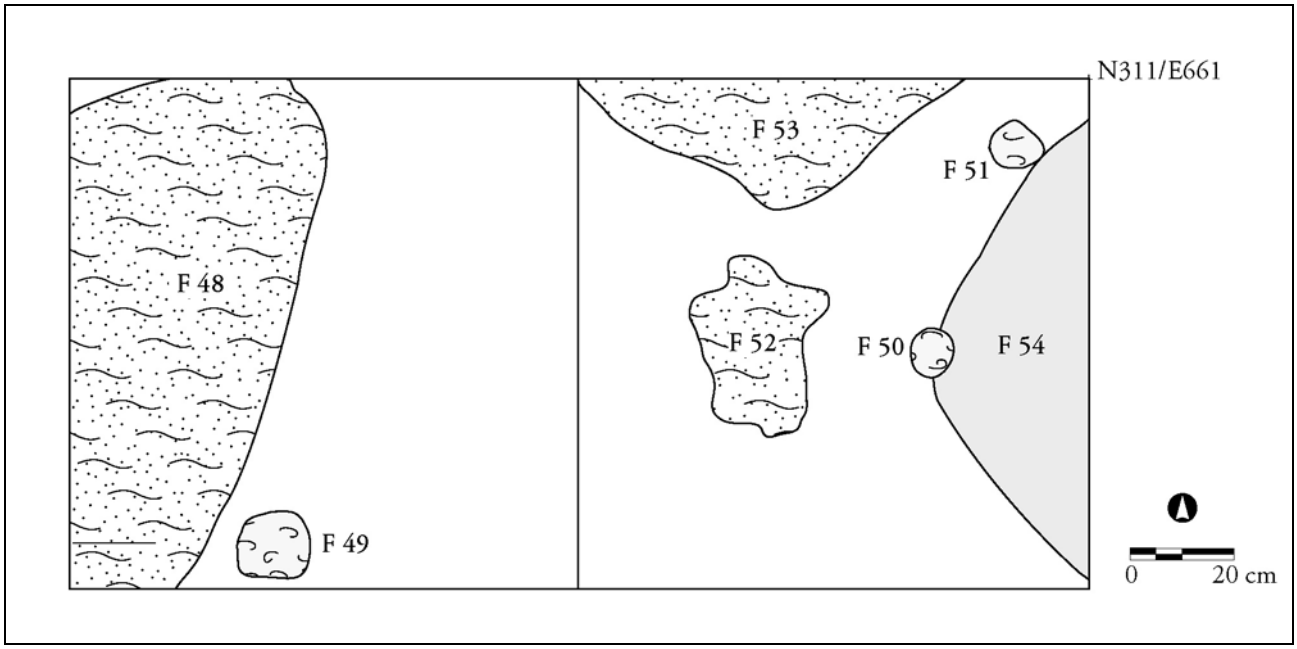
Soil Classification:
10 YR 5/4 Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

Artifacts:
No Cultural Material

Ecofacts:
None

Description: Feature 52 consisted of a very thin lens of silty soil identified at the base of the E-horizon. A feature provenience was assigned. However, trowel cleaning resulted in the features removal. Feature 52 was not considered to be cultural and was likely the result of a highly localized variance in soil development.



Planview

Feature 53

Location (Centerpoint):
N311 E660.37
Locus A

Type:
E2: Geomorphic

Morphology:
Plan: Partial sub-round
Profile: Irregular Lens

Dimensions: (excavated)
Length: 70 cm
Width: 40 cm
Depth: 12 cm

Origin:
E-B Interface

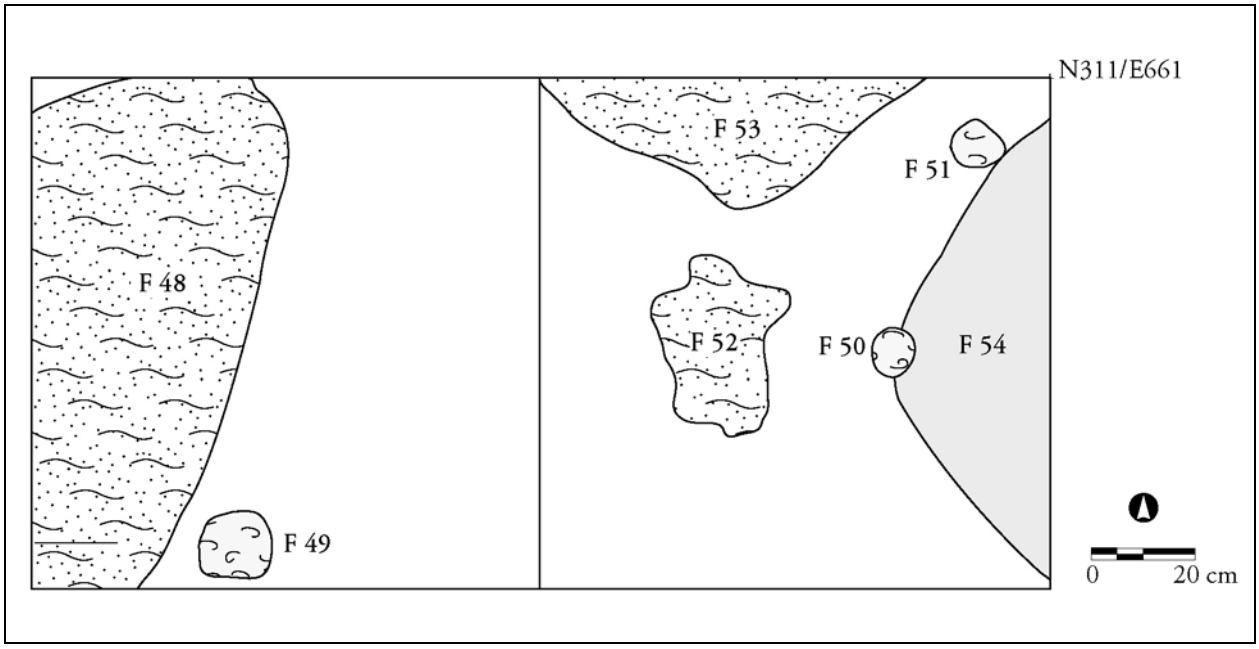
Soil Classification:
10 YR 4/6 Dark Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

Artifacts:
No Cultural Material

Ecofacts:
None Recovered

Description: Feature 53 consisted of a thin lens of soil that was slightly darker than the surrounding B-horizon. No cultural material was recovered from within the feature limits, nor was any increase in charcoal flecking noted. Feature 53 was not thought to be cultural in origin and represented a localized area of differential B-horizon development



Planview

Feature 54

Location:
N310.50 E661
Locus A

Type:
B1: Large Basin

Morphology:
Plan: Partial Semi-Ovoid
Profile: Gradually tapering to rounded bottom

Dimensions: (excavated area)
Length: 90 cm
Width: 30 cm
Depth: 60 cm

Origin:
Base of Ap

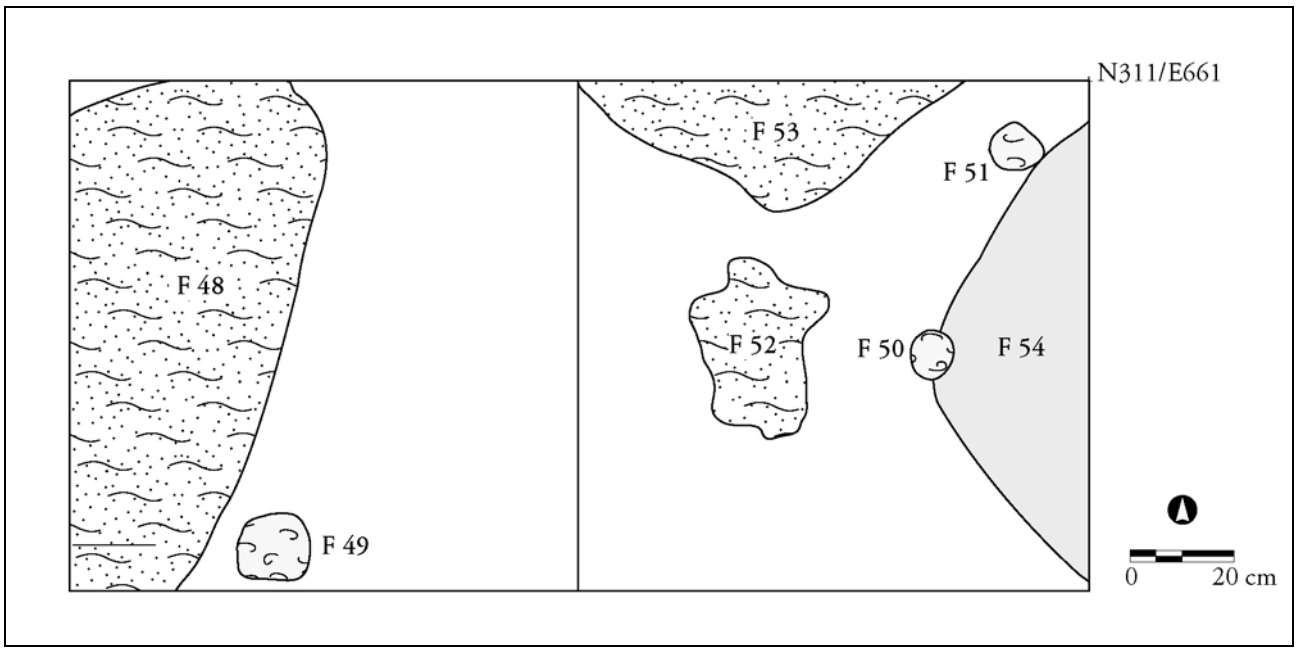
Soil Classification:
10 YR 4/6 Dark Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

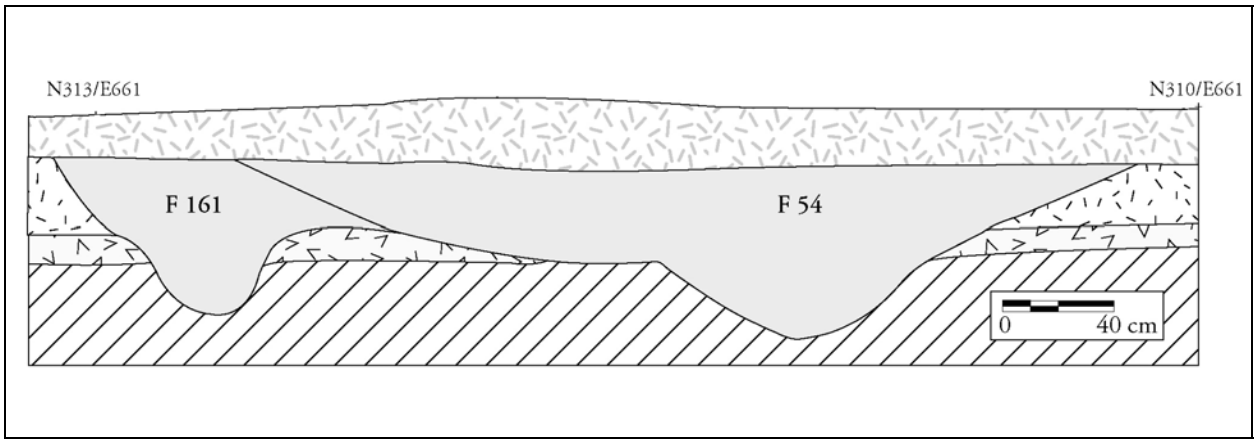
Artifacts:
No Cultural Material

Ecofacts:
None Recovered

Description: Feature 54 was first identified at the base of the E-horizon, though it was subsequently determined that it originated at the base of the plow zone. The feature fill was slightly darker than the adjacent E-horizon. In profile, Feature 54 was gently rounded. No artifacts were recovered from the excavated portion of the feature. However, only a portion of the basin was actually controlled for and the majority extended outside the excavation block.



Planview



Profile Partially Excavated Facing East

Feature 67

Location (Centerpoint):
N312.60 E658.90
Locus A

Type:
B2: Medium Basin

Morphology:
Plan: Large, Sub-ovoid
Profile: Steep-sided walls, flat base

Dimensions:
Length: 120 cm
Width: 100 cm
Depth: 34 cm

Origin:
In E-horizon

Soil Classification:
10 YR 5/6 mottled with 10 YR 5/4 Yellowish Brown Sandy Loam

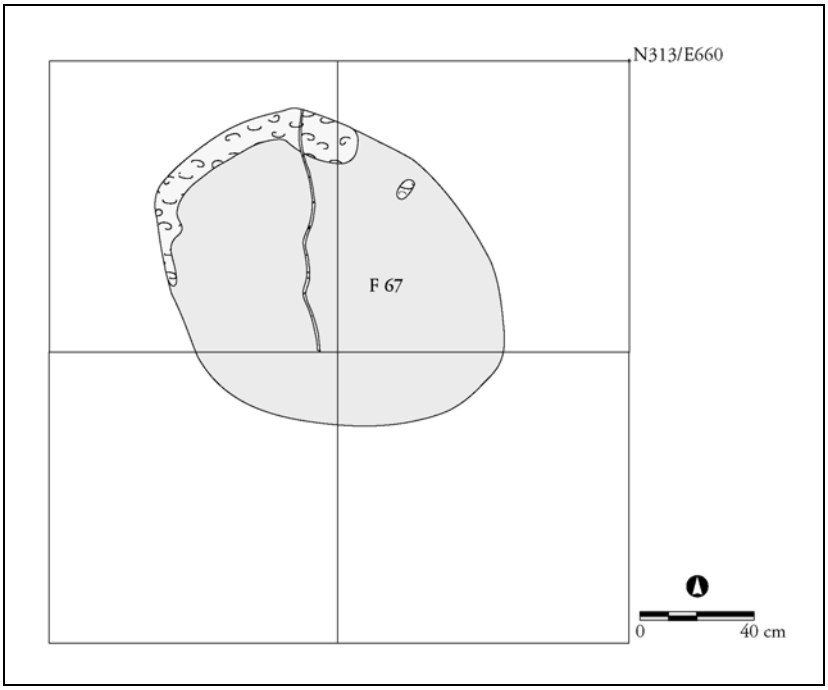
Radiocarbon Assay:
Not Dated

Artifacts:
2 Marcey Creek Ceramics (1920-2; 1924-2)
6 Unidentified Ceramics
19 Flakes; 1 Chip
10 TAS

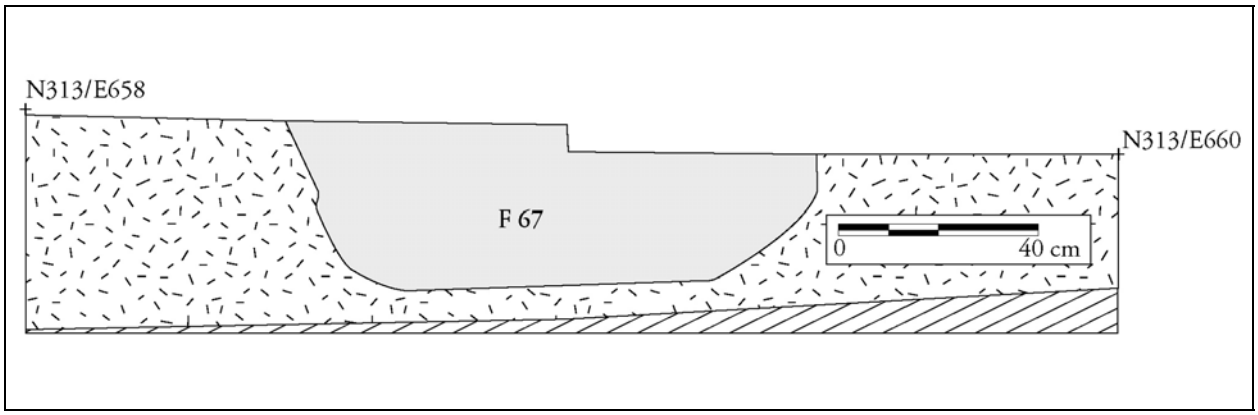
Ecofacts:
1 Concretion
1 Mammal; 1 Vertebrate Calcined Bone
Charcoal Flecks

Fine Screen Recovered Materials:
5 Flakes
12 Concretions
2 Burned Earth Fragments
9 Burned; 7 Non-burned Seeds
1 Unidentified Charcoal

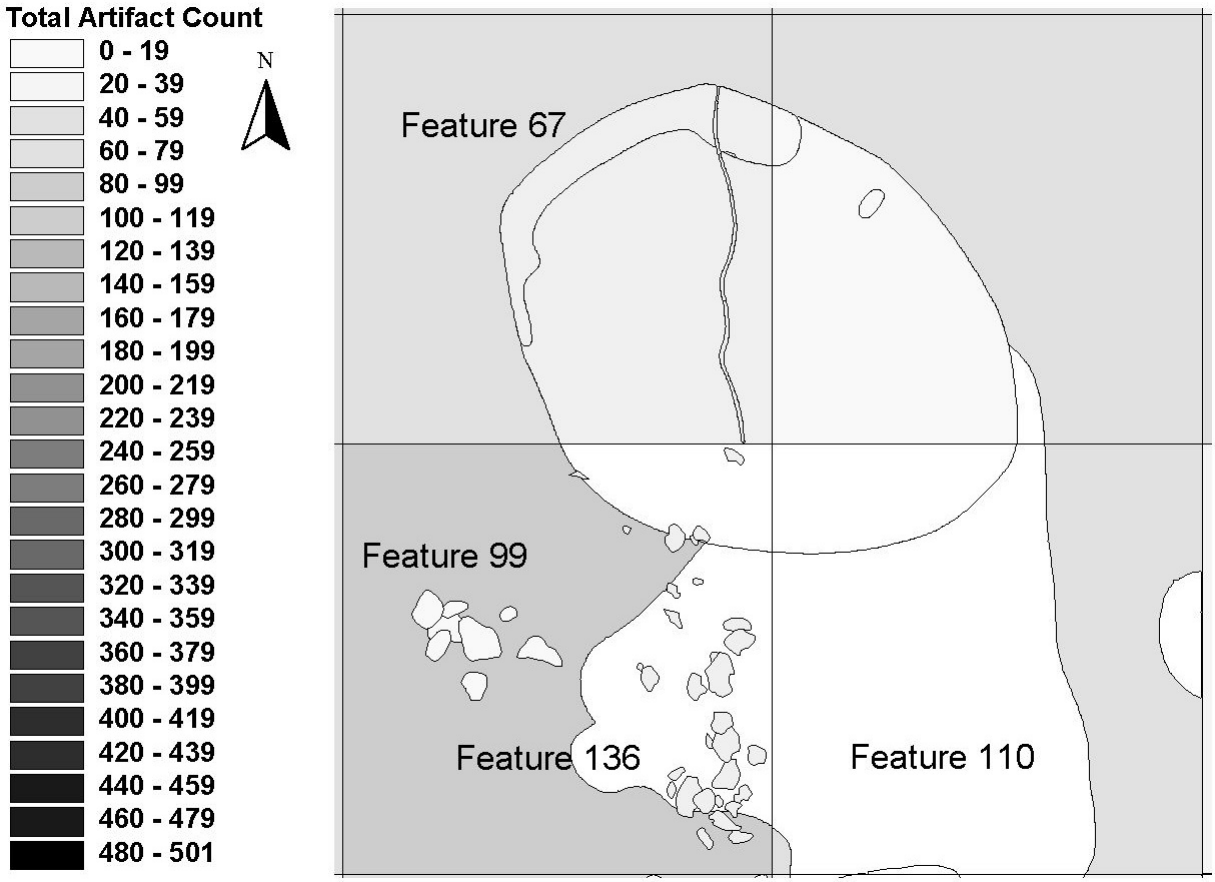
Description: Feature 67 was identified in the first level of the E-horizon, just below the interface with the plow line. Plan outline was ovoid. Excavated, the feature showed steep, nearly vertical sides and a relatively flat bottom though some minor dips and rises were evident in the basal contour. Fill consisted of yellowish brown sandy loam with some lighter mottling present. Overall, the fill was slightly darker than the surrounding soils and some increase in charcoal flecking was noted. A number of TAS were noted along and just outside of the feature rim.



Planview



Bisection Profile Facing North



Artifact Density

Feature 70

Location (Centerpoint):
N308.50 E656.45
Locus A

Type:
E2: Geomorphic

Morphology:
Plan: Irregular, jagged
Profile: Steeply sloping walls, rounded base

Dimensions: (excavated area)
Length: 220 cm
Width: 100 cm
Depth: 100-120 cm

Origin:
Base of Ap

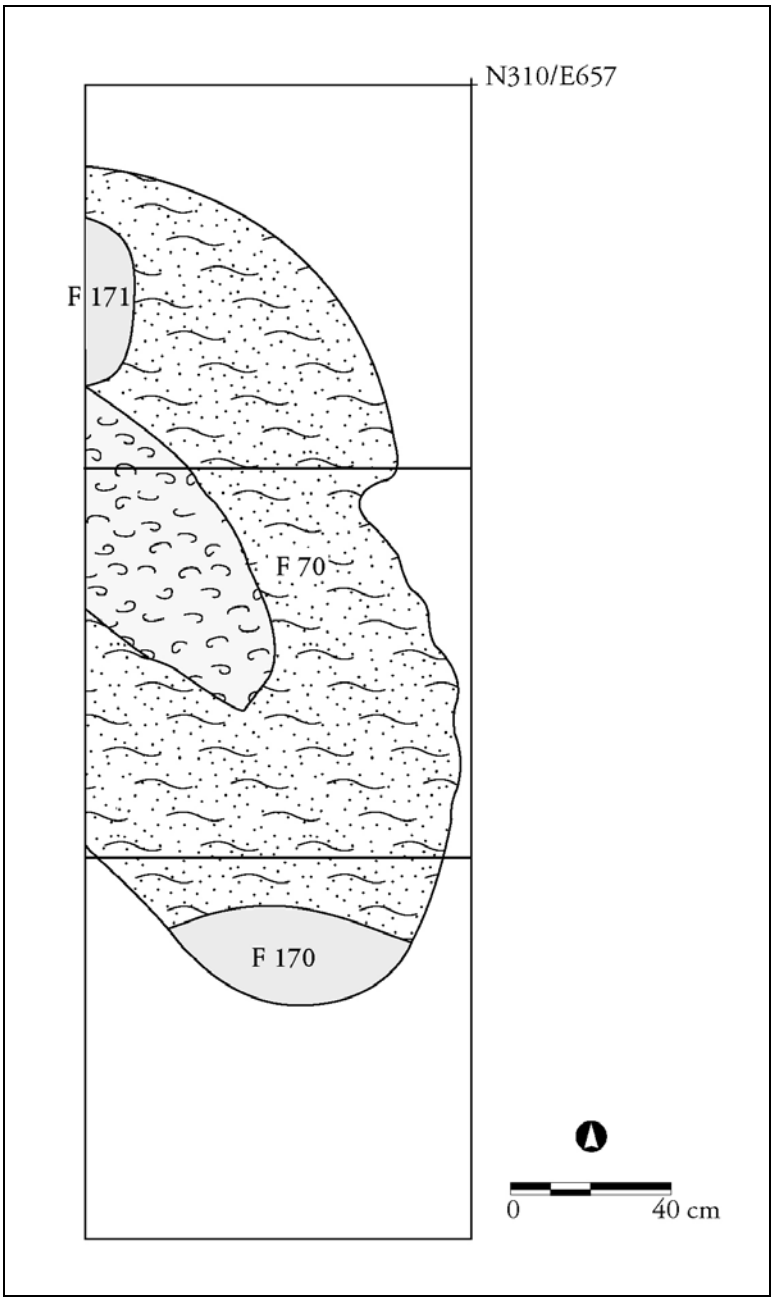
Soil Classification:
7.5 YR 5/4 Brown Loamy Sand and
10 YR 6/4 Light Yellowish Brown Sand

Radiocarbon Assay:
Not Dated

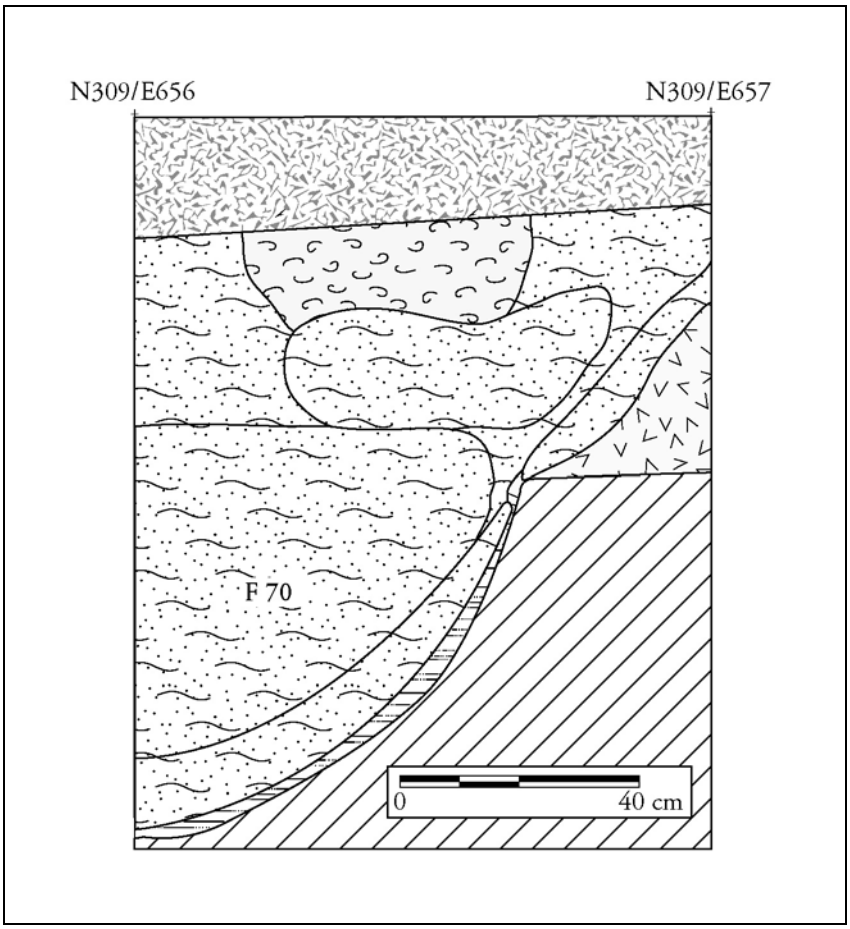
Artifacts:
1 Wolfe Neck Ceramic (2132-1)
3 Hell Island Ceramics (1977-1; 1978-1; 1981-1)
5 Unidentified Ceramics
9 Flakes
4 TAS

Ecofacts:
4 Unrecognized Material
Pebbles/Gravel

Description: Feature 70 was identified at the base of the plow zone as a large, irregular-shaped area of light colored sands. Excavation encountered pockets of sands and bedded deposits of unsorted pebbles and cobbles. An apparent rodent tunnel meandered through the feature. The exact configuration of the rodent disturbance was difficult to control for and this may account for the artifacts recovered from what otherwise appeared to be culturally sterile deposits. In profile, Feature 70 resembled a very large basin with steep sides and a rounded bottom. However, an undetermined portion of the feature extended outside the excavation block and its full dimensions and true configuration could not be determined. Feature 70 is not thought to be cultural in origin. The bedding of unsorted gravels and cobbles may be indicative of a deformation feature; a natural upward trending distortion or the Columbia Formation sub-strata. This Pleistocene phenomenon is associated with periglacial conditions and is related to release of subsurface hydrostatic pressure or can be reflective of extensive freeze thaw cycles (Andres and Howard 1998:47-53 for discussion of Deformation Features in Kent County, Delaware).



Planview



Profile Facing North

Feature 73

Location (Centerpoint):
N315 E660
Locus A

Type:
F1: Natural

Morphology:
Plan: Irregular, curvaceous
Profile: n/a

Dimensions:
Length: 140 cm
Width: 49 cm
Depth: n/a

Origin:
Base of Ap

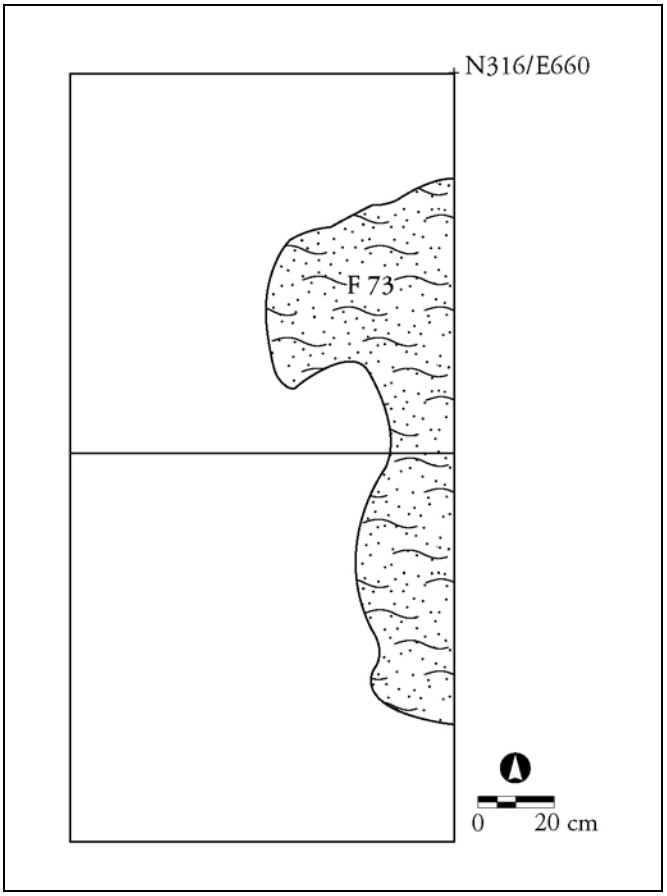
Soil Classification:
10 YR 5/6 Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

Artifacts:
No Cultural Material

Ecofacts:
None Recovered

Description: Feature 73 consisted of an irregularly shaped area of soil, slightly darker in color than the surrounding E-horizon. The feature proved to be superficial in depth as multiple trowel cleanings resulted in its removal. No artifacts were recovered. The feature was not thought to be cultural and may have represented a localized dip in the plow zone or a remnant surface that had not been fully plowed away.



Planview

Feature 74

Location (Centerpoint):
N308.25 E664.40
Locus A

Type:
E2: Geomorphic

Morphology:
Plan: Partial, ovoid
Profile: Steep tapering to smooth floor

Dimensions: (excavated area)
Length: 49 cm
Width: 48 cm
Depth: 29 cm

Origin:
Base of Ap

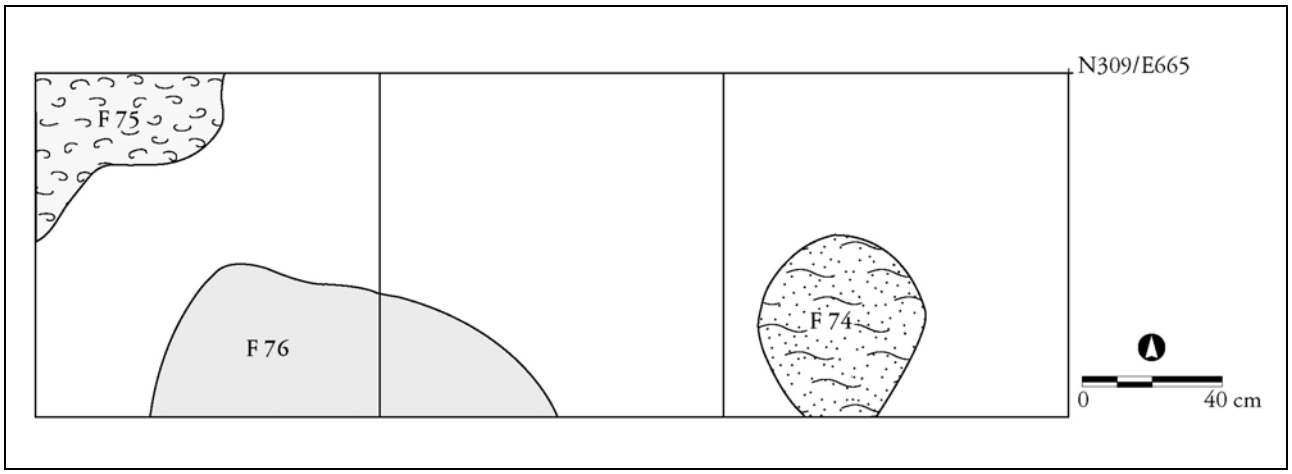
Soil Classification:
10 YR 4/6 Dark Yellowish Brown Loamy Sand with 7.5 YR 5/6 Strong Brown Sandy Loam

Radiocarbon Assay:
Not Dated

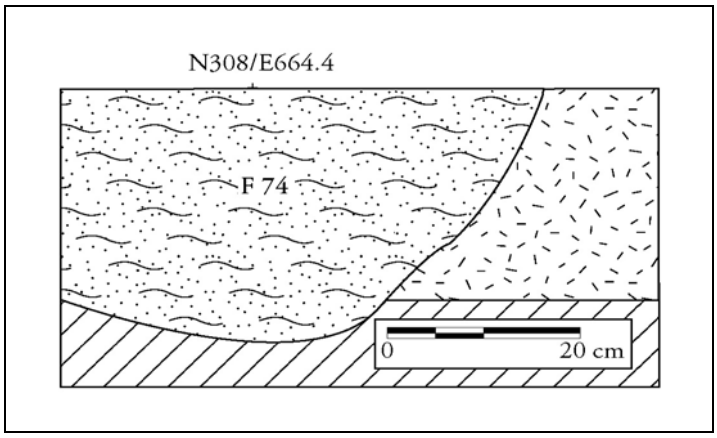
Artifacts:
1 Clay Tempered Ceramic (2114-1)

Ecofacts:
None

Description: Feature 74 consisted of a small almost circular area of mottled soils identified in the E-horizon. The feature fill was less compacted than the surrounding E-horizon, while its color and texture were consistent with the B-horizon soils. The feature represented an area of differential B-horizon development.



Planview



Profile Facing West

Feature 75

Location (Centerpoint):
N309.90 E662.20
Locus A

Type:
D2: Biotic Pattern – Tree Mold

Morphology:
Plan: Irregular
Profile: Irregular, tapering and undercut

Dimensions:
Length: 68 cm
Width: 74 cm
Depth: 20 cm

Origin:
Base of Ap

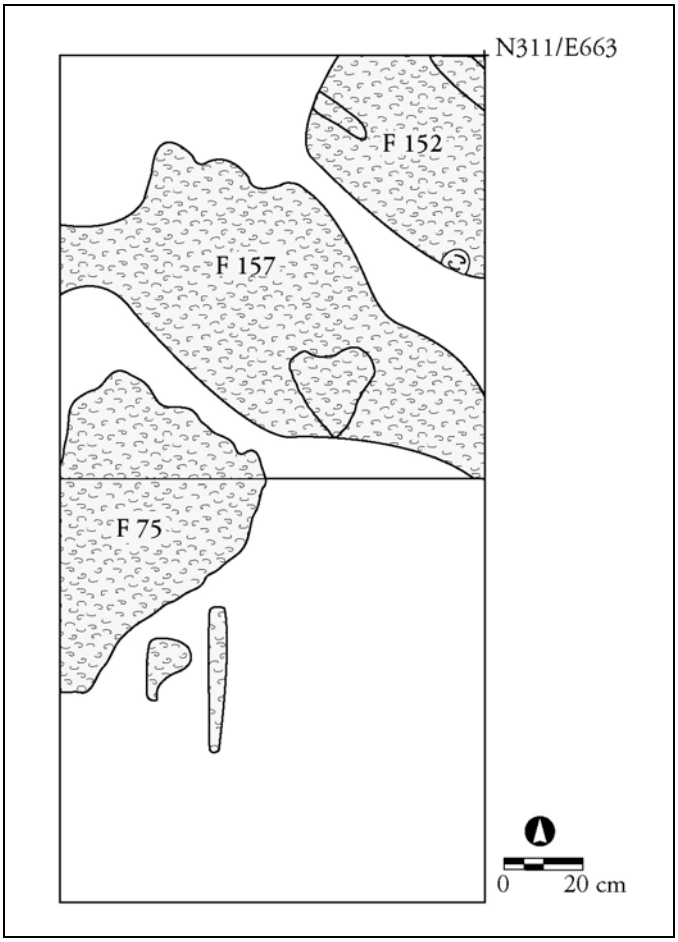
Soil Classification:
10 YR 4/3 Brown Sandy Loam

Radiocarbon Assay:
Not Dated

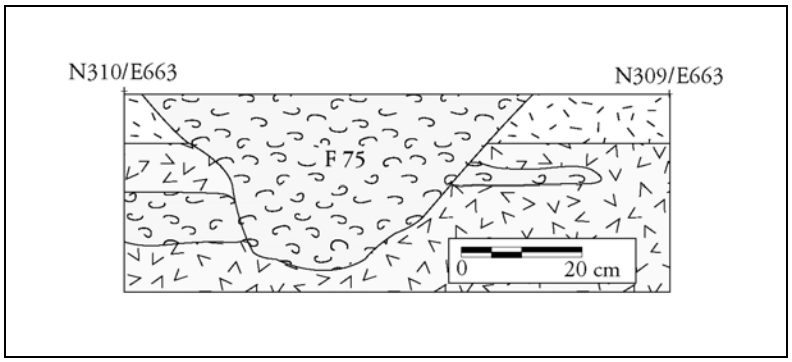
Artifacts:
1 Clay Tempered Ceramic (2121-1)
3 Flakes
22 TAS

Ecofacts:
Charcoal

Description: Feature 75 intersected with Feature 157, an apparent rodent burrow. Fill in Feature 75 was loose and dark in color. A fairly large number of artifacts were recovered from within the feature limits and Feature 75 may have fully disturbed a Native American basin formerly present in the same location.



Planview



Profile Facing East

Feature 76

Location (Centerpoint):
N308.20 E662.90
Locus A

Type:
B2: Medium Basin

Morphology:
Plan: Ovoid?
Profile: Shallow, gently rounded

Dimensions: (excavated area)
Length: 106 cm
Width: 40 cm
Depth: 16 cm

Origin:
Base of Ap

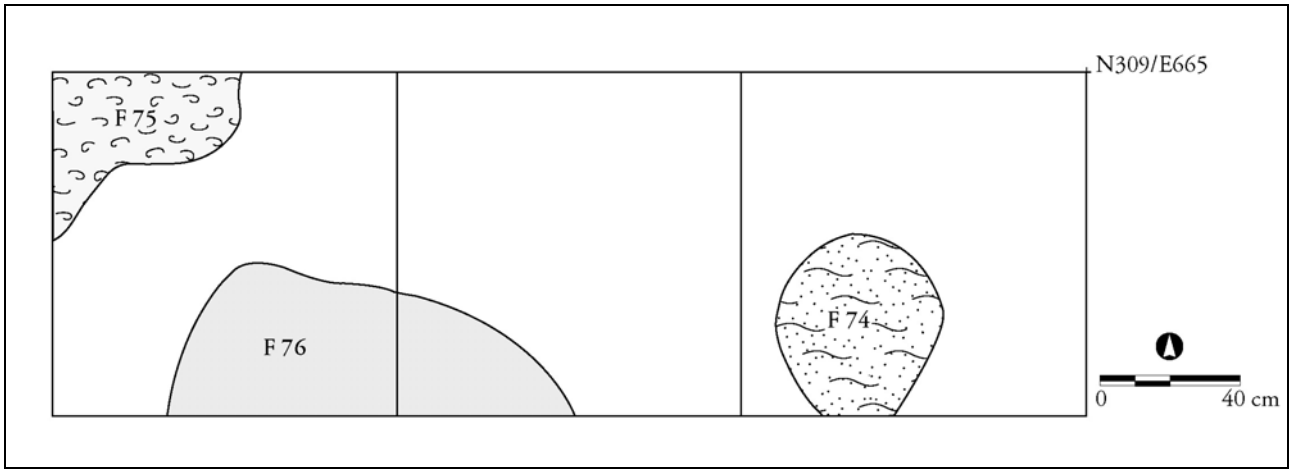
Soil Classification:
10 YR 4/6 Dark Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

Artifacts:
1 Clay Tempered Ceramic (2111-2)
1 Unidentified Ceramic
6 Flakes
4 TAS

Ecofacts:
Charcoal Flecks

Description: Approximately one-half of Feature 76 extended outside the excavation area. Based on the excavated portion, the feature was oval in planview. The profile showed sloping sides and gently rounded nearly flat bottom. A minor amount of charcoal flecking was noted in the feature fill.



Planview

Feature 95

Location (Centerpoint):
N310.90 E657.08
Locus A

Type:
D1: Biotic Pattern – Tree Root

Morphology:
Plan: Sub-ovoid
Profile: Irregular, tapering

Dimensions: (Excavated Area)
Length: 21 cm
Width: 18 cm
Depth: 27-32 cm

Origin:
Base of Ap

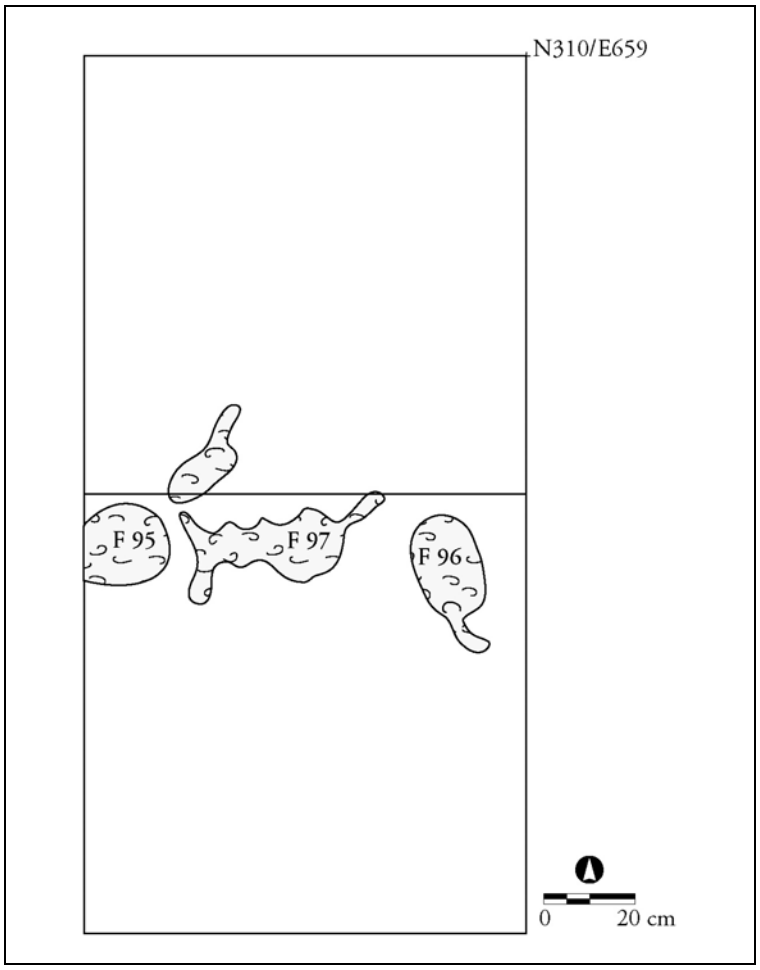
Soil Classification:
10 YR 4/3 Brown Sandy Loam

Radiocarbon Assay:
Not Dated

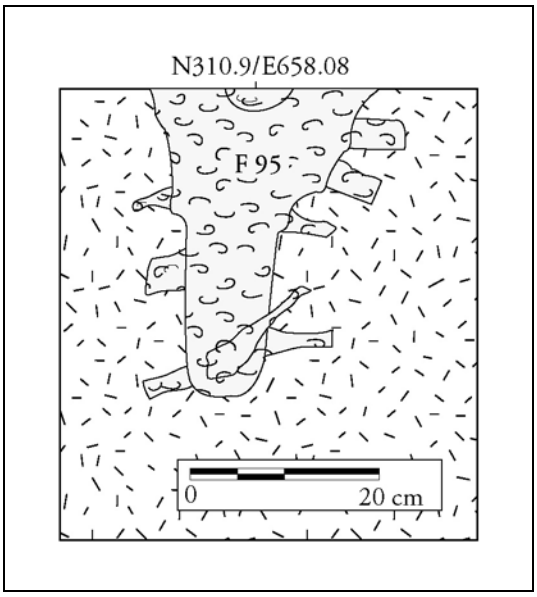
Artifacts:
1 Unidentified Ceramic
1 Flake

Ecofacts:
None

Description: In planview, the feature was ovoid, with a small portion extending outside the excavation block. Fill was darker and looser that the surrounding soils. Bisect excavation revealed a gradually tapering to conical profile, heavily disturbed by root action.



Planview



Profile Facing North

Feature 96

Location (Centerpoint):
N310.84 E657.84
Locus A

Type:
D1: Biotic Pattern – Tree Root

Morphology:
Plan: Semi-ovoid
Profile: Steep-sided to conical

Dimensions:
Length: 23 cm
Width: 14 cm
Depth: 22 cm

Origin:
Base of Ap

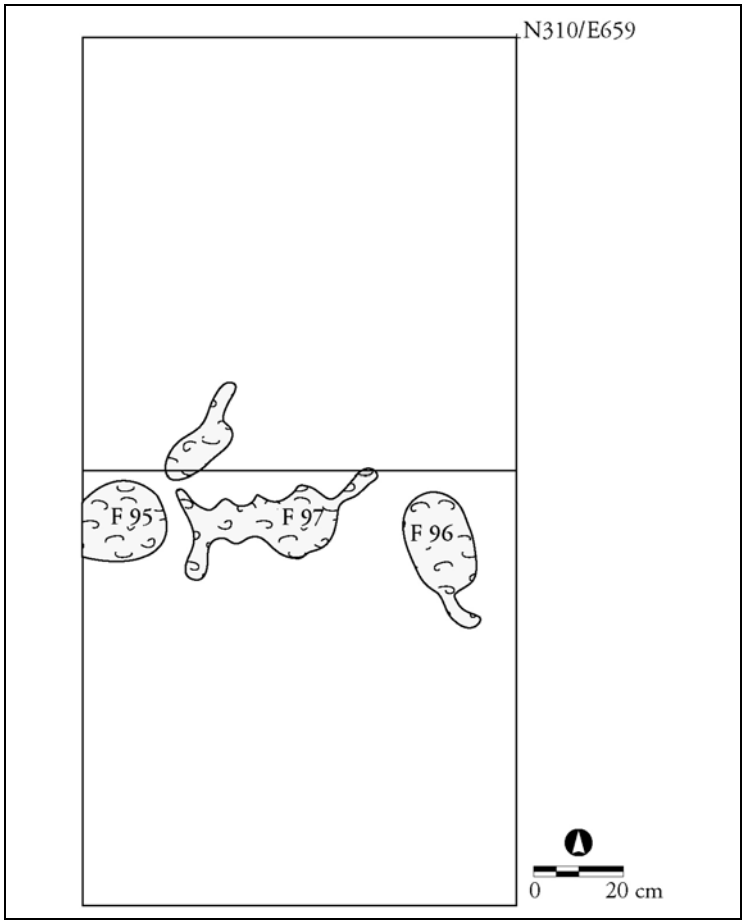
Soil Classification:
10 YR 4/3 Brown mottled with
10 YR 4/6 Dark Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

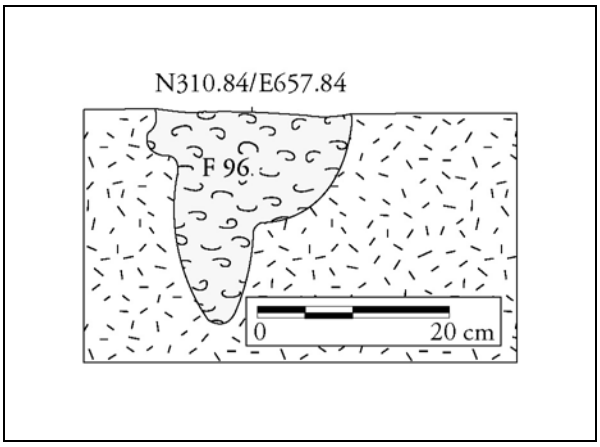
Artifacts:
1 Unidentified Ceramic
1 TAS

Ecofacts:
Pebble

Description: The upper portions of Feature 96 displayed irregular boundaries as well as root intrusions along both the southern and northern edges. Below the root intrusions, the feature walls tapered to a rounded bottom. One large heat altered pebble and a small unidentified ceramic sherd were recovered form the feature.



Planview



Profile Facing West

Feature 97

Location (Centerpoint):
N310.83 E658.27
Locus A

Type:
F1: Natural

Morphology:
Plan: Irregular, curved
Profile: n/a

Dimensions:
Length: n/a
Width: n/a
Depth: n/a

Origin:
Base of Ap

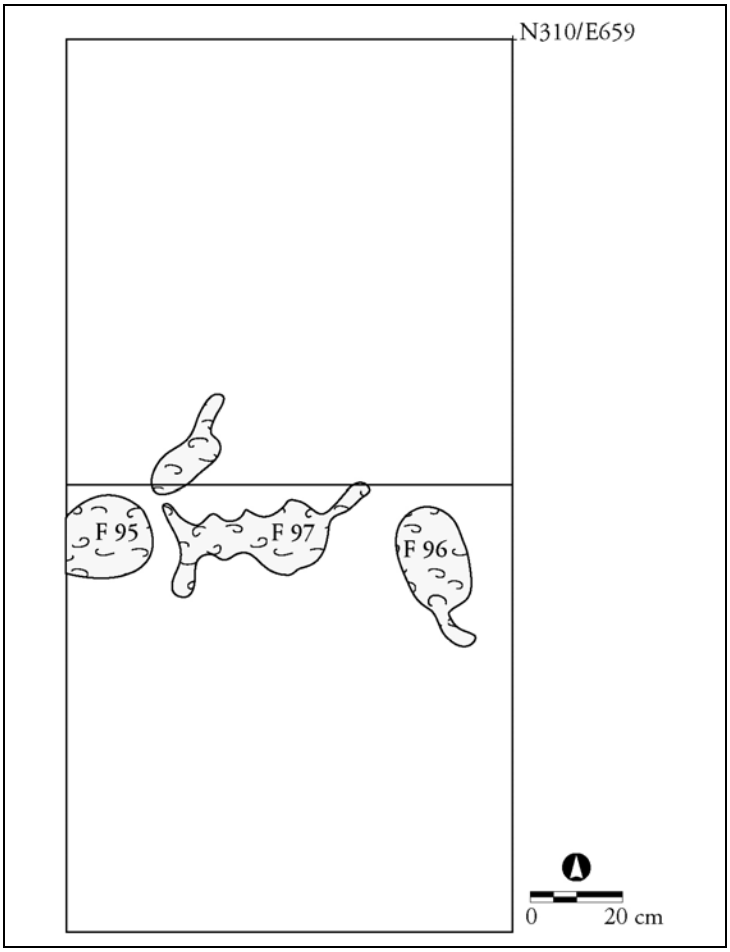
Soil Classification:
10 YR 4/3 Brown Sandy Loam

Radiocarbon Assay:
Not Dated

Artifacts:
No Cultural Material

Ecofacts:
None Recovered

Description: Feature 97 consisted of a small amorphous patch of darker colored soil recorded in the E-horizon at the base of the plow zone. The feature proved to be superficial as trowel scraping resulted in its removal. The feature likely represented a minor, localized a dip in the plow zone.



Planview

Feature 98

Location (Centerpoint):
N313.5 E657.6
Locus A

Type:
A1-a: TAS Concentration
B3-a: Small Basin

Morphology:
Plan: Circular
Profile: Shallow, rounded bottom

Dimensions:
Length: 53 cm
Width: 52 cm
Depth: 14 cm

Origin:
In E-horizon

Soil Classification:
10 YR 4/6 Dark Yellowish Brown Sandy Loam

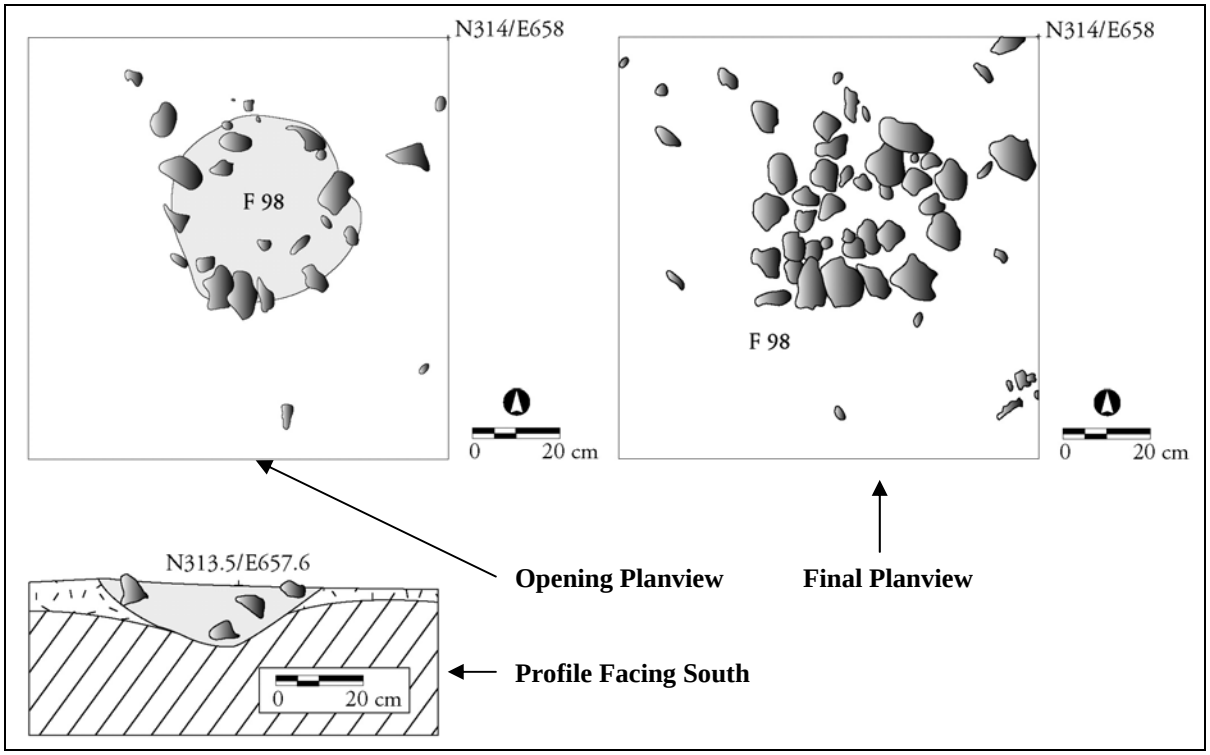
Radiocarbon Assay:
2660 +/- 40 years B.P.

Artifacts:
1 Marcey Creek Ceramic (1835-1)
41 TAS
11 Pebbles

Ecofacts:
1 *Quercus sp.*, 5 unidentifiable wood charcoal
3 *Carya sp.* (carbonized hickory nut fragments)
2 *Juglandaceae* (carbonized walnut fragments)

Fine Screen Recovered Materials:
31 Flakes; 26 TAS
6 Calcined Bone
2 unidentifiable wood charcoal
1 Burned Seed; 21 Non-burned Seeds
3 Burned Earth Fragments
7 Concretions

Description: Feature 98 consisted of a small, shallow basin lined with TAS. The TAS was located in a single tier lining the base and sides of the shallow basin. Other than the rock lining, a single artifact, consisting of a Marcey Creek ceramic sherd, was recovered from within the feature fill. Charcoal fragments recovered through flotation of the soil retained from underneath the rock lining yielded a date of 2660 years B.P.



Feature 99

Location (Centerpoint):
N311.65 E658.35
Locus A

Type:
A1-a: TAS Concentration

Morphology:
Plan: Sub-round
Profile: Surface manifestation

Dimensions:
Length: 34 cm
Width: 26 cm
Depth: 8 cm

Origin:
In E-horizon

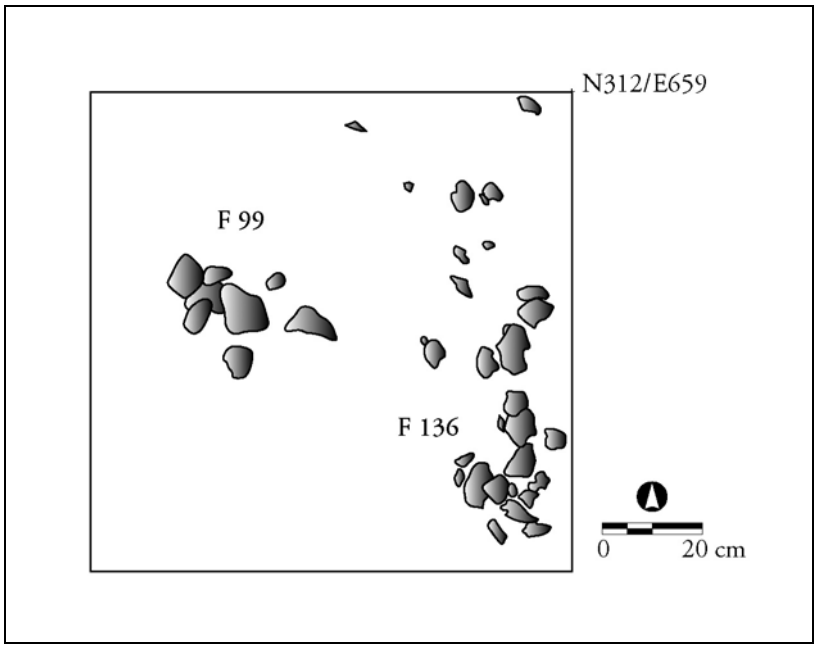
Soil Classification:
10 YR 4/6 with 10 YR 4/3 Brown to Dark Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

Artifacts:
12 TAS
1 Flake

Ecofacts:
Some Charcoal Flecks
1 *Acer sp*.
8 *Carya sp*. (hickory nut fragments)
4 deciduous taxa

Description: Feature 99 was identified in the E-horizon just below the plow line. The soil surrounding the rock cluster was mottled brown to dark yellowish brown sandy-silt and contained visible charcoal flecks. Although the TAS were found in a discrete cluster, no basin or depression was noted, and the stones occurred on a single horizontal plane. No diagnostic artifacts were recovered in clear spatial association with Feature 99.



Planview

Feature 105

Location (Centerpoint):
N315.88 E658.95
Locus A

Type:
D1: Biotic Pattern – Tree Root

Morphology:
Plan: Small Ovoid
Profile: Irregular, tapering, no bottom

Dimensions:
Length: 22 cm
Width: 14 cm
Depth: 32 cm +

Origin:
Base of Ap

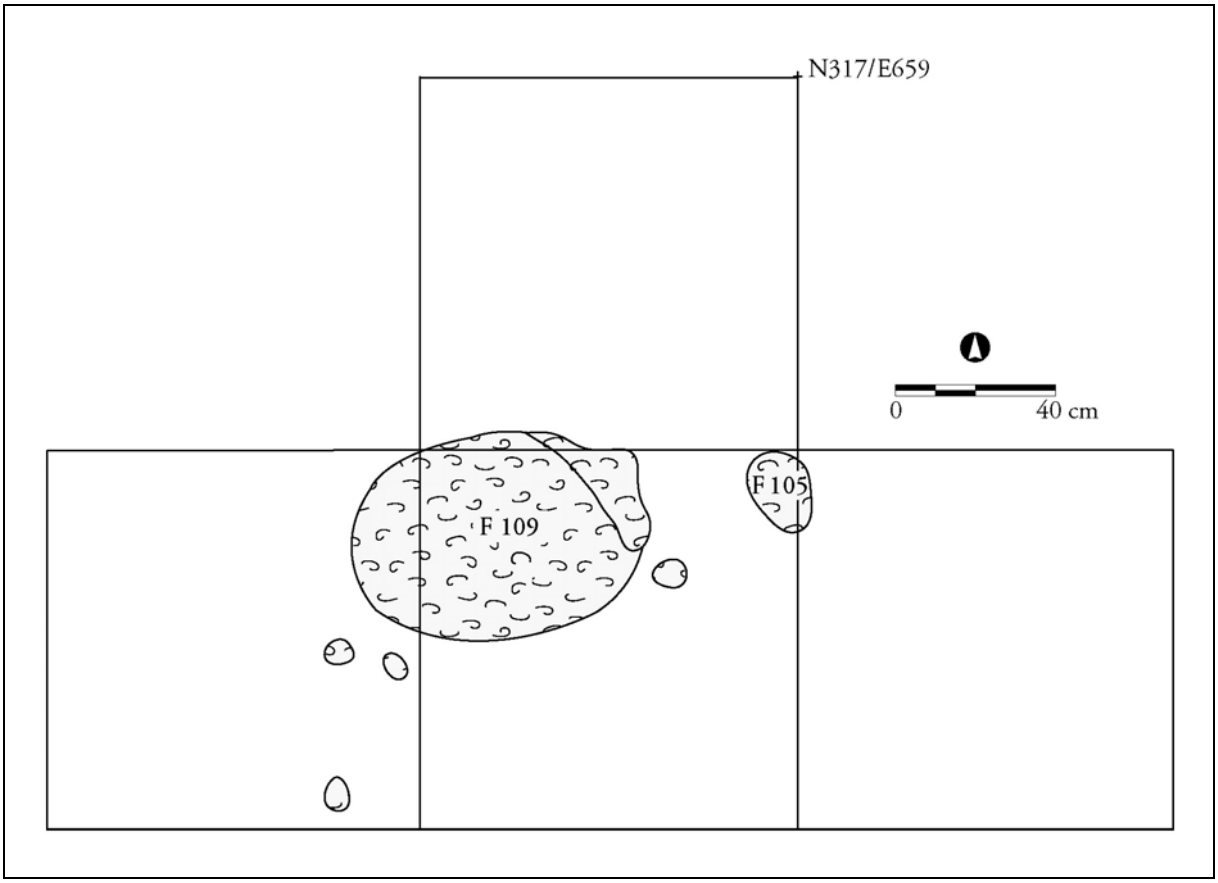
Soil Classification:
10 YR 5/4 Yellowish Brown mottled with 10 YR 4/6 Dark Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

Artifacts:
1 Unidentified Ceramic
1 Flake
2 TAS

Ecofacts:
1 Concretion
Charcoal Flecks

Description: The Feature 105 fill was a loose sandy loam and contained heavy charcoal flecking. The disturbance tapered with depth and continued lower than the floor of the unit excavation.



Planview

PARSONS ES
HICKORY BLUFF
PHASE III
7K-C-411
UNITS N316&317
E659
FEATURE 105
05 JUNE 1998

Feature 106

Location (Centerpoint):
N314.10 E658.56
Locus A

Type:
D1: Biotic Pattern – Tree Root

Morphology:
Plan: Irregular, sub-ovoid
Profile: Irregular, tapering, no bottom

Dimensions: (excavated)
Length: 50 cm
Width: 28 cm
Depth: 22 cm+

Origin:
Base of Ap

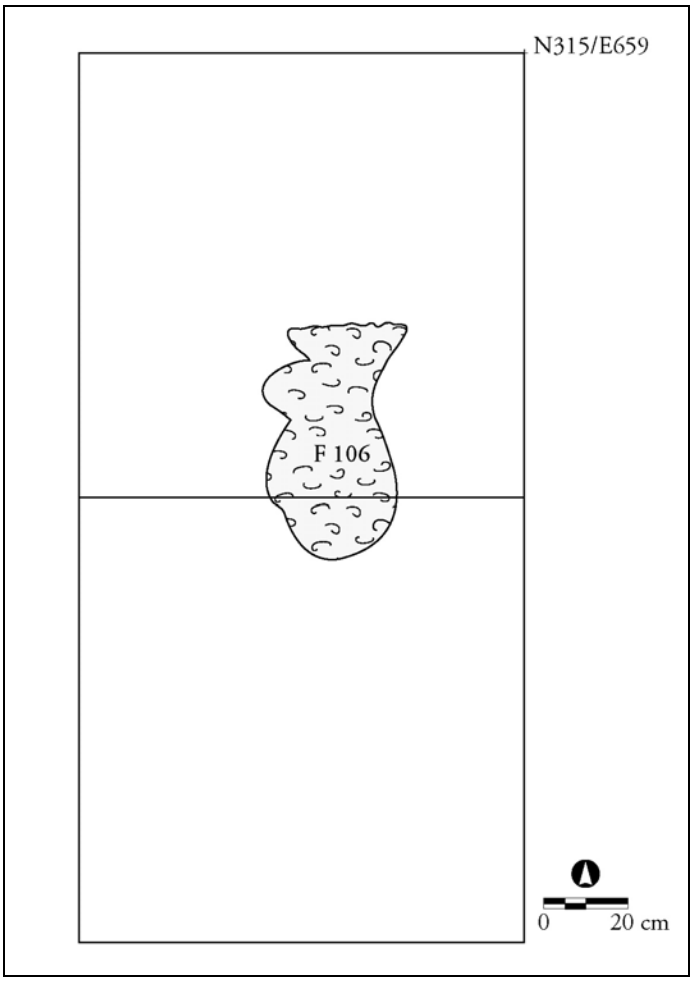
Soil Classification:
10 YR 4/3 Brown Sandy Loam

Radiocarbon Assay:
Not Dated

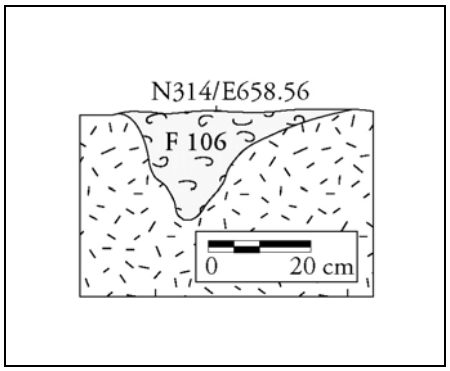
Artifacts:
1 Flake

Ecofacts:
2 Calcined Bones - Vertebrate

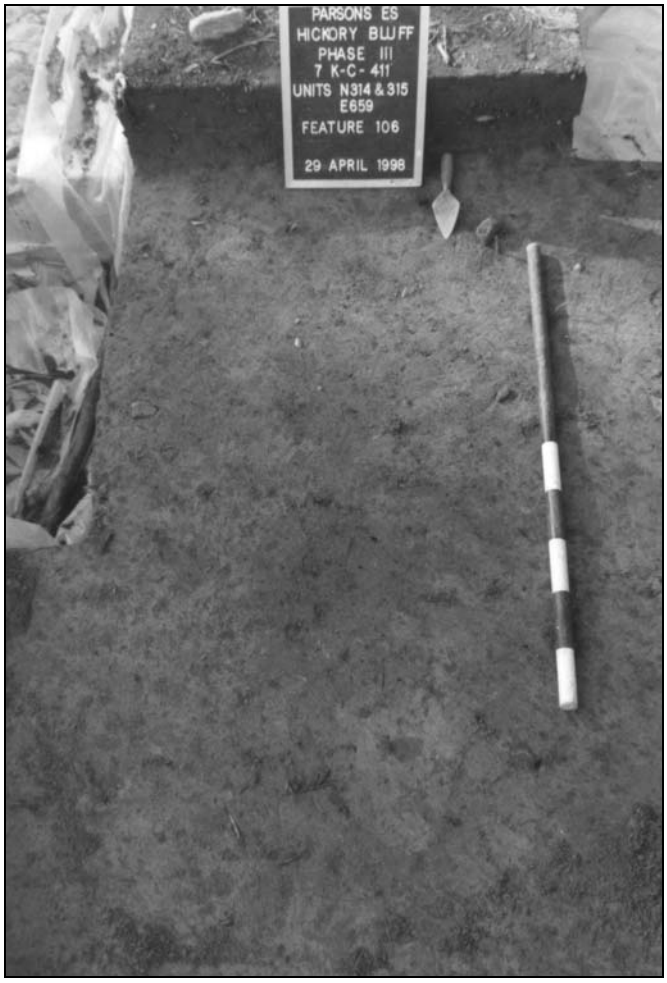
Description: Feature 106 was identified at the base of the plow zone. In planview, the feature was ill defined on one edge. Excavation revealed a highly irregular profile that exhibited numerous root trails extending out from the core.



Planview



Profile Facing West



Feature 109

Location (Centerpoint):
N315.80 E658.20
Locus A

Type:
D2: Biotic Pattern – Tree Mold

Morphology:
Plan: Irregular ovoid
Profile: Extremely shallow, irregular floor

Dimensions:
Length: 56 cm
Width: 76 cm
Depth: 2-3 cm

Origin:
Base of Ap

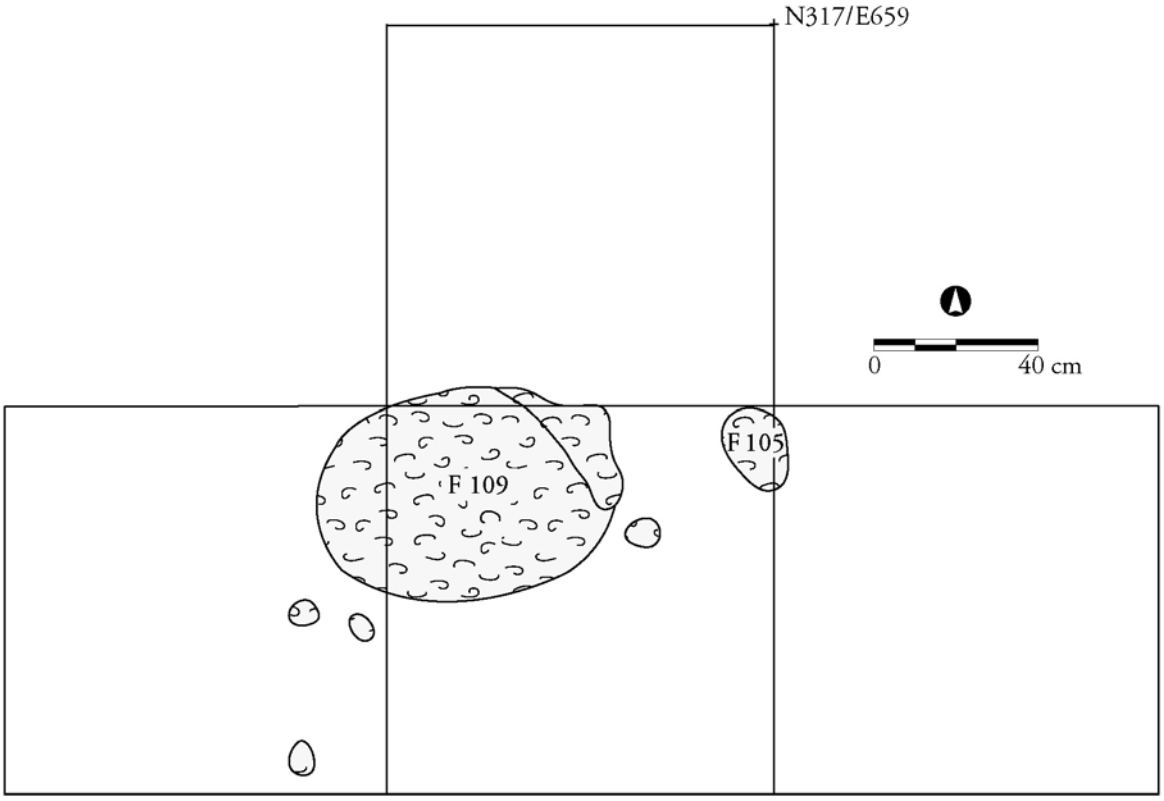
Soil Classification:
10 YR 5/4 Yellowish Brown mottled with 10 YR 4/6 Dark Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

Artifacts:
1 Marcey Creek Ceramic (2117-1)
1 Flake
1 TAS

Ecofacts:
5 Concretions
Charcoal Flecks

Description: Feature 109 was identified at the base of the plow zone. The feature was bisected revealing an irregular profile of near superficial depth. Fill was loose and organic. Feature 109 represented a natural disturbance of biotic origin.



Planview

PARSONS ES
HICKORY BLUFF
PHASE III
7 K-C- 411
UNITS N316&317
E658&659
FEATURE 109
05 JUNE 1998

Feature 110

Location (Centerpoint):
N311.60 E659.30
Locus A

Type:
E2: Geomorphic

Morphology:
Plan: Irregular, diffuse
Profile: Shallow, undulating

Dimensions:
Length: 150 cm
Width: 100 cm
Depth: 3 cm

Origin:
E-B Interface

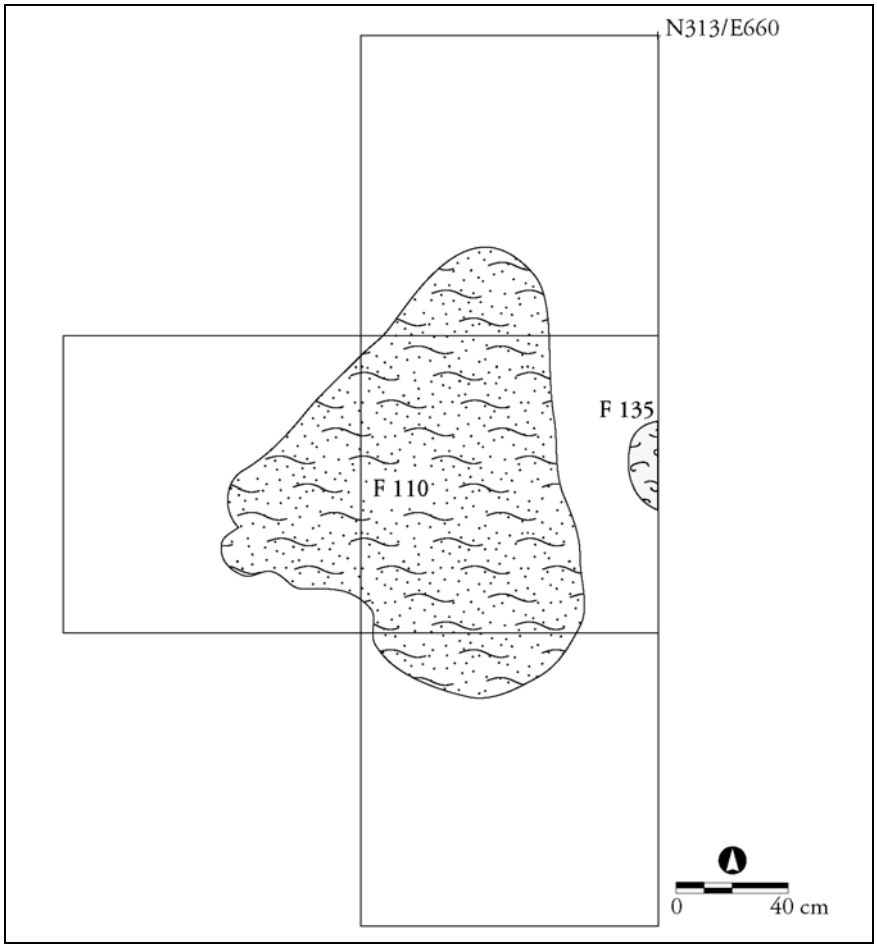
Soil Classification:
7.5 YR 5/6 Strong Brown mottled with 10 YR 5/4 Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

Artifacts:
No Cultural Material

Ecofacts:
Pebble

Description: Feature 110 was recorded as a mottled strong brown to yellowish brown lens of compacted sandy loam. It was identified at the base of the E-horizon contrasting in color to the B-horizon. The edges of the feature were irregular and the feature fill graded into the surrounding soils. Excavation revealed that Feature 110 was a localized pocket of E/C horizon.



Planview

PARSONS ES
HICKORY BLUFF
PHASE III
7K-C-411
UNIT N312 E660
FEATURES 110
135
09 JUNE 1998

Feature 114

Location (Centerpoint):
N306.44 E657.46
Locus A

Type:
A2: Diagnostic Artifact Concentration

Morphology:
Plan: Irregular scatter
Profile: Surface Manifestation

Dimensions:
Length: 70 cm
Width: 35 cm
Depth: n/a

Origin:
In E-horizon

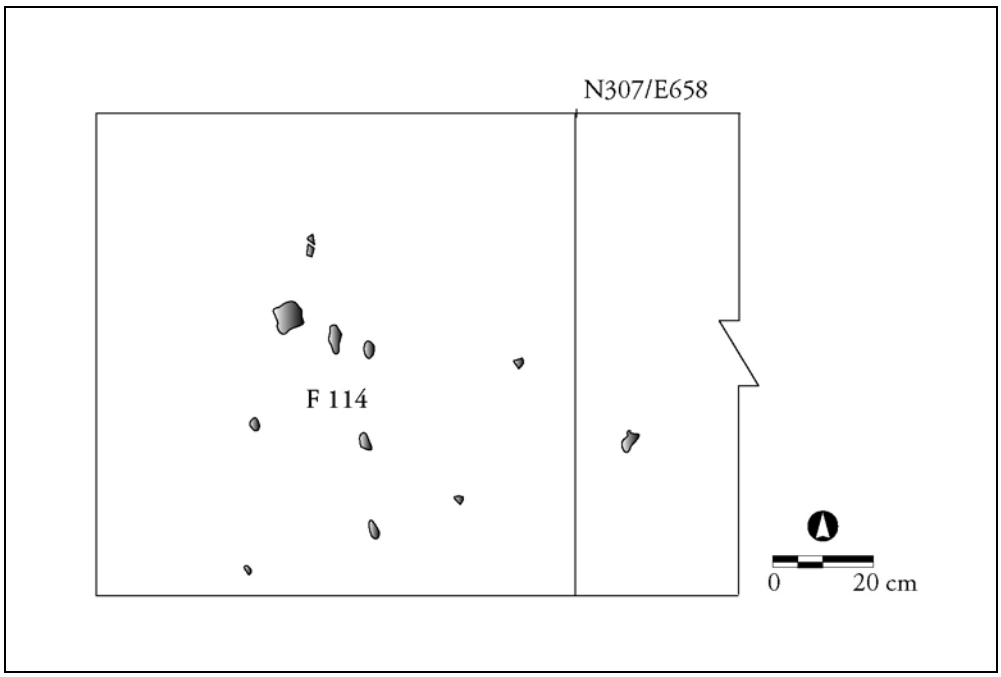
Soil Classification:
10 YR 5/4 Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

Artifacts:
8 Hell Island Ceramics (1747-1 through -8)
1 Wolfe Neck Ceramic (1747-9)
1 Flake

Ecofacts:
Root Intrusions

Description: Feature 114 consisted of a cluster of Hell Island and one Wolfe Neck ceramic sherds. The fragments were found at the top of the E-horizon and the eight Hell Island sherds appear to be from a single vessel. The sherds were not within any discernable basin feature but rather were located on a single horizontal plane. One small piece of lithic debitage was found within the ceramic cluster.



Planview

PARSONS ES
HICKORY BLUFF
PHASE III
7 K-C- 411
UNIT N 307
E 658
FEATURES 114
& 115
05 MAY 1998

Features 115, 133, and 134

Location (Centerpoint):
115: N307 E658
133: N306.76 E658.35
134: N306.90 E658.96
Locus A

Type:
C2/D2: Surface/Biotic Pattern – Tree Mold

Morphology:
Plan: Irregular, diffuse
Profile: n/a

Dimensions:

115:		133:	
Length:	100 cm	Length:	16 cm
Width:	78 cm	Width:	12 cm
Depth:	1-3 cm	Depth:	3-5 cm

134:	
Length:	22 cm
Width:	20 cm
Depth:	3-5 cm

Origin:
Base of Ap

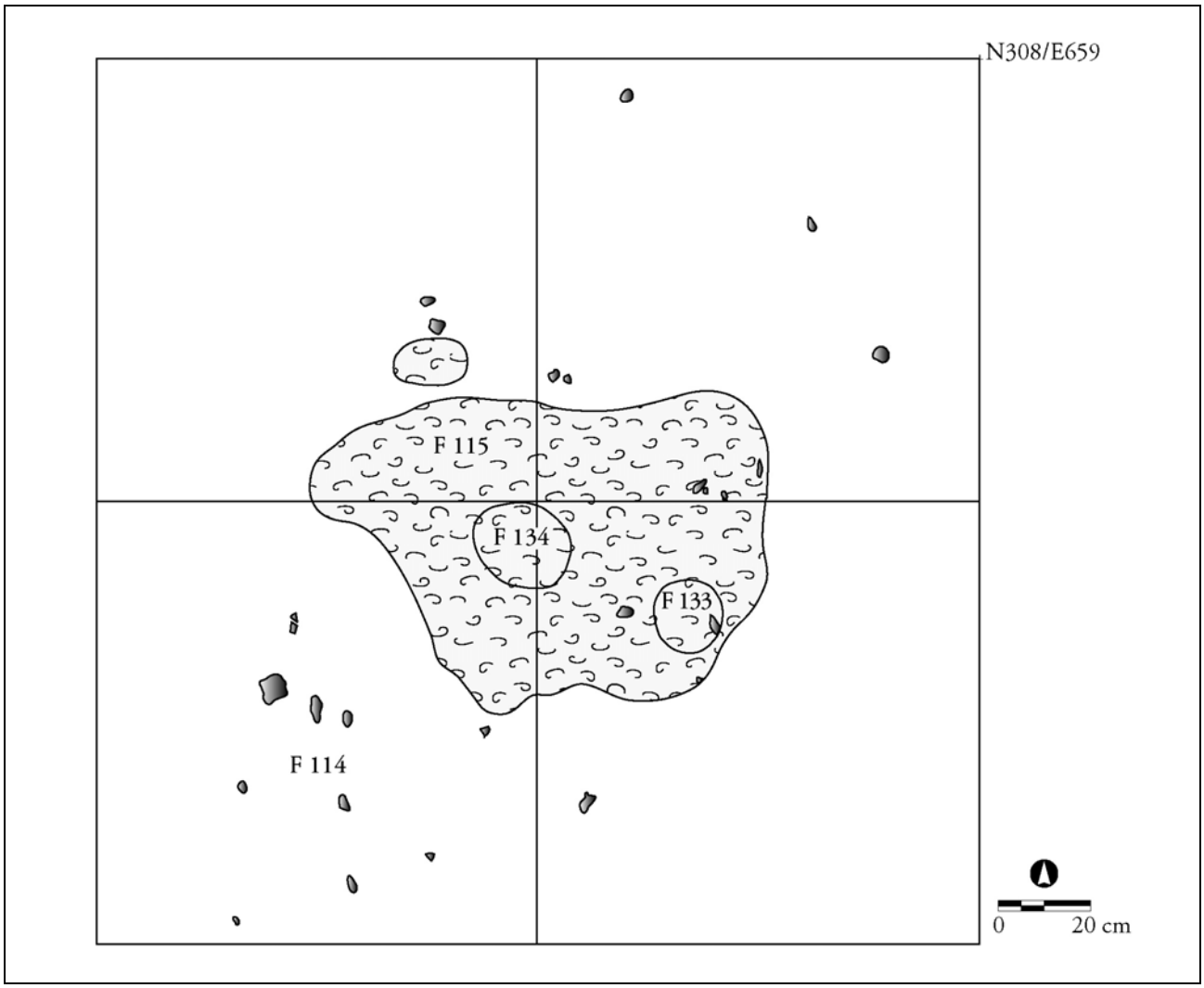
Soil Classification:
10 YR 4/4 Dark Yellowish Brown mottled with 10YR 5/4 Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

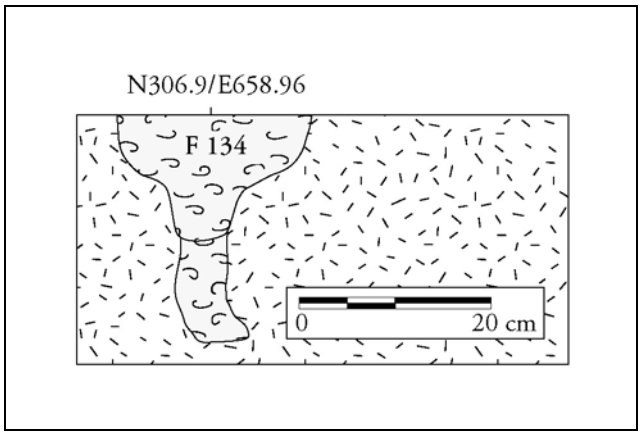
Artifacts:
133: 2 Hell Island Ceramics (1827-1,2)
134: 1 Historic Coal

Ecofacts:
Charcoal Flecks

Description: Feature 115 consisted of a large, amorphous area of mottled soils identified at the base of the plow zone. Edges were diffuse and excavation showed the feature to be superficial in depth. Features 133 and 134 (root channels) were recorded within its limits. Feature 115 is not thought to be cultural in origin and together with Features 133 and 134 may represent a shallow tree mold that had been mostly plowed away.



Planview



Profile Facing West

Feature 120

Location (Centerpoint):
N307.85 E658.50
Locus A

Type:
B3-a: Small Basin

Morphology:
Plan: Ovoid
Profile: Narrow, shaft-like, rounded bottom

Dimensions:
Length: 75 cm
Width: 40 cm
Depth: 95 cm

Origin:
Base of Ap

Soil Classification: Stratified
I: 10 YR 4/4 Dark Yellowish Brown Sandy Loam
II: 10 YR 6/4 Light Yellowish Brown Sandy Loam
III: 10 YR 5/4 Yellowish Brown Sandy Loam
IV: 10 YR 6/4 Light Yellowish Brown Sand

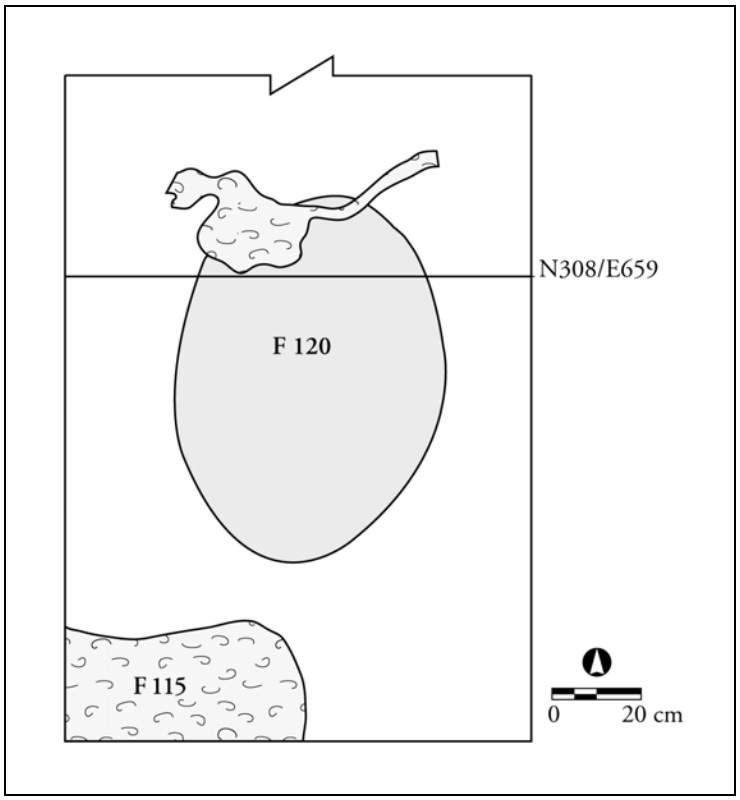
Radiocarbon Assay:
920+/-50 years B.P.

Artifacts:
5 Wolfe Neck Ceramics (2098-1; 2101-1; 2102-1; 2106-1; 2107-1)
3 Hell Island Ceramics (2099-1; 2105-1; 2108-1)
11 Unidentified Ceramics
6 Flakes; 1 Chip
3 TAS

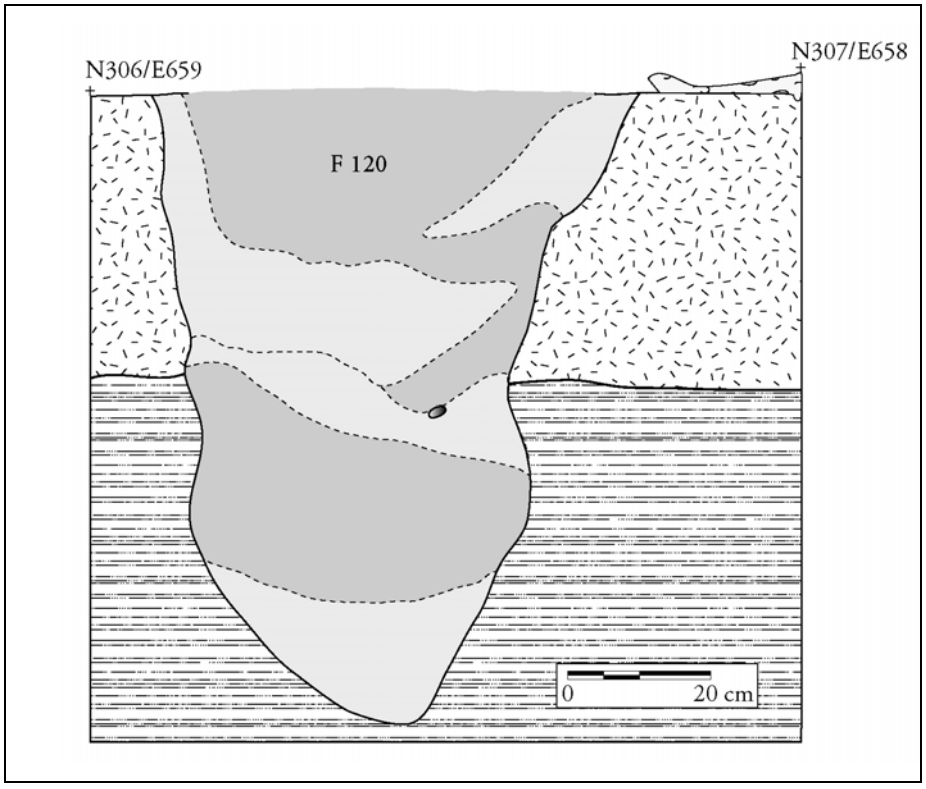
Ecofacts:
1 Vertebrate Calcined Bone
17 Concretions
15 *Carya sp*., 1 *Juglans nigra*, 2 *ring porous*, 2 unidentified wood charcoal

Fine Screen Recovered Materials:
6 Unidentified Ceramics
26 Flakes; 4 TAS
2 Pebbles
9 Charred Nutshells
3 Calcined Bone
59 Burned Seeds; 27 Non-burned Seeds
3 unidentified wood charcoal; 7 Coal
436 Burned Earth Fragments; 7 Concretions

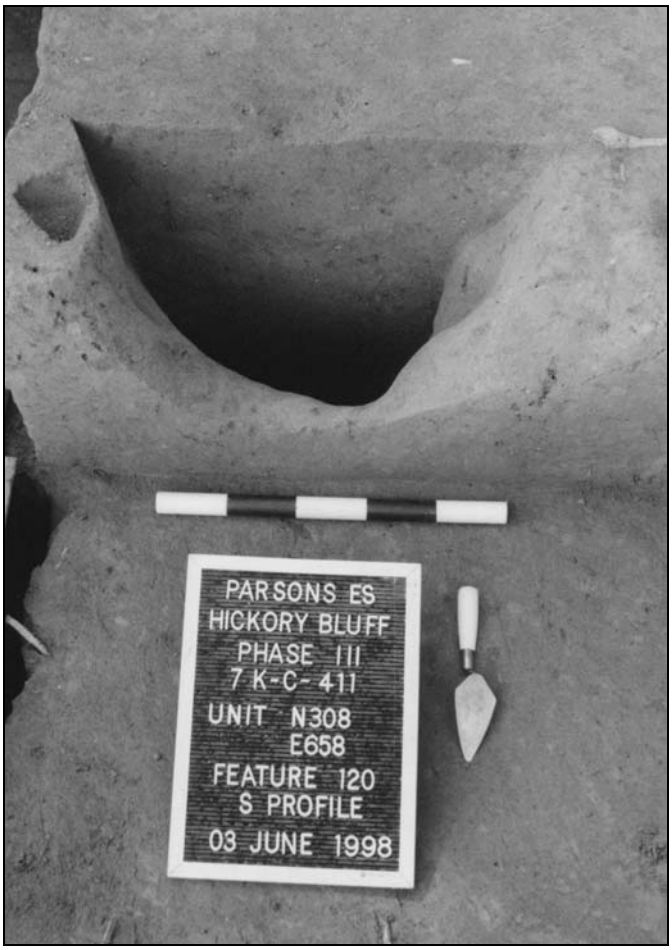
Description: In planview, the feature was slightly oval in shape. Sides were almost vertical. The fill appeared to be stratified with darker, charcoal bearing lenses interbedded with lighter colored soil. The deepest stratum (IV) consisted of coarse sand that was lighter in color than the rest of the feature fill. This lower stratum did not contain any artifacts. A charcoal sample recovered from the upper most stratum (I) yielded a Late Woodland date. Wolfe Neck and Hell Island ceramics were recovered from Strata I and II.

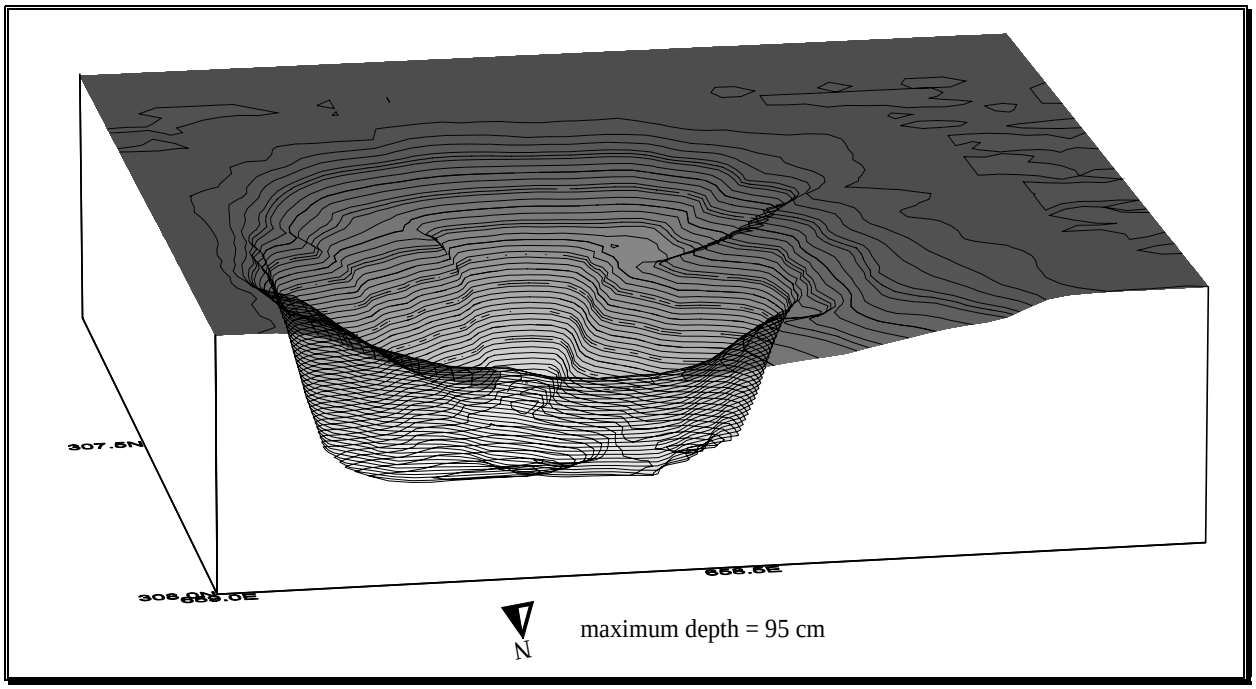


Planview

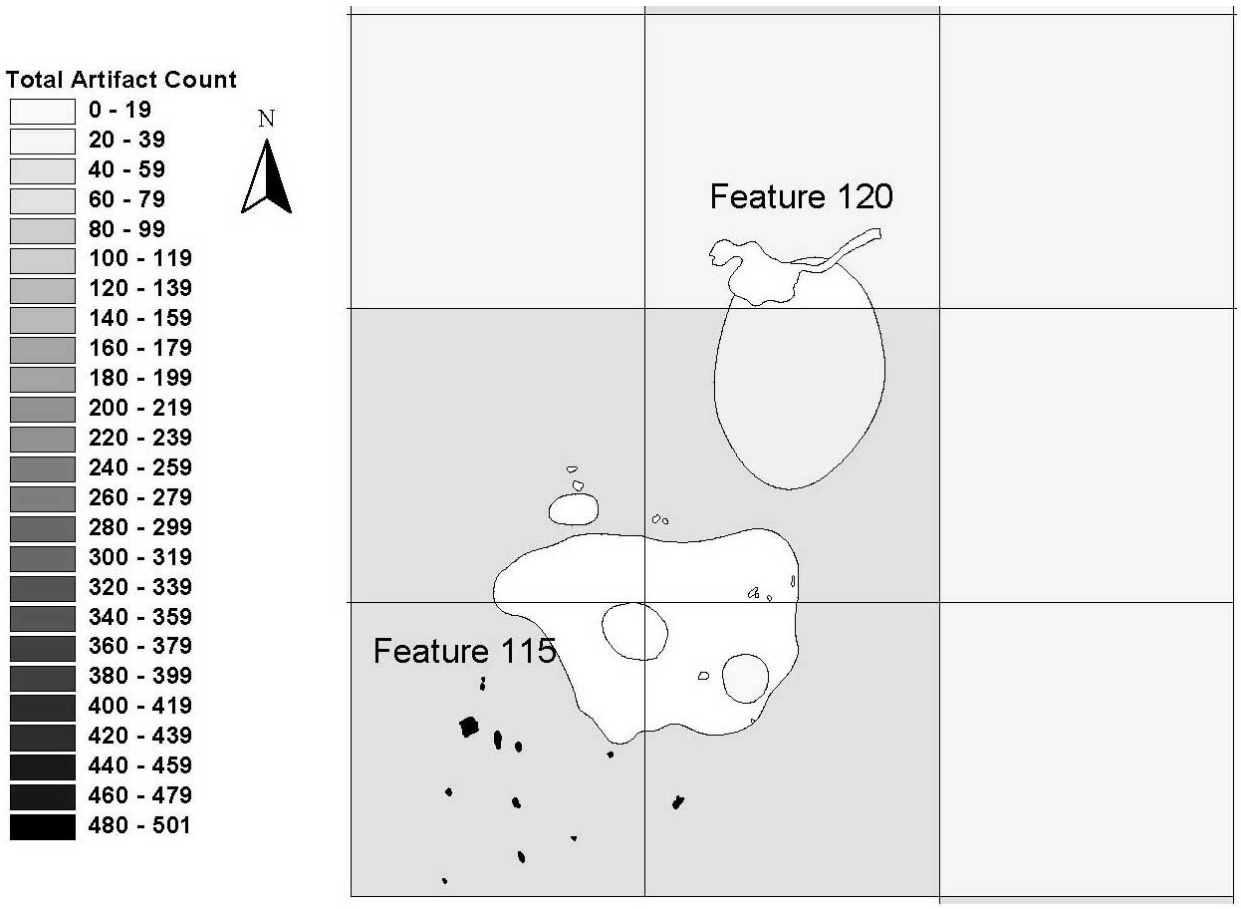


Profile Facing South





Contour Mapping



Artifact Density

Features 121 and 122

Location (Centerpoint):
121: N314.58 E659.72
122: N315.44 E659.46
Locus A

Type:
D1: Biotic Pattern – Tree Root

Morphology:
Plan: Sub-round
Profile: Irregular tapering to conical

Dimensions:

121:		122:	
Length:	14 cm	Length:	12 cm
Width:	13 cm	Width:	13 cm
Depth:	15 cm	Depth:	8 cm

Origin:
Base of Ap

Soil Classification:
10 YR 4/6 Dark Yellowish Brown mottled with 10 YR 5/4 Yellowish Brown Sandy Loam

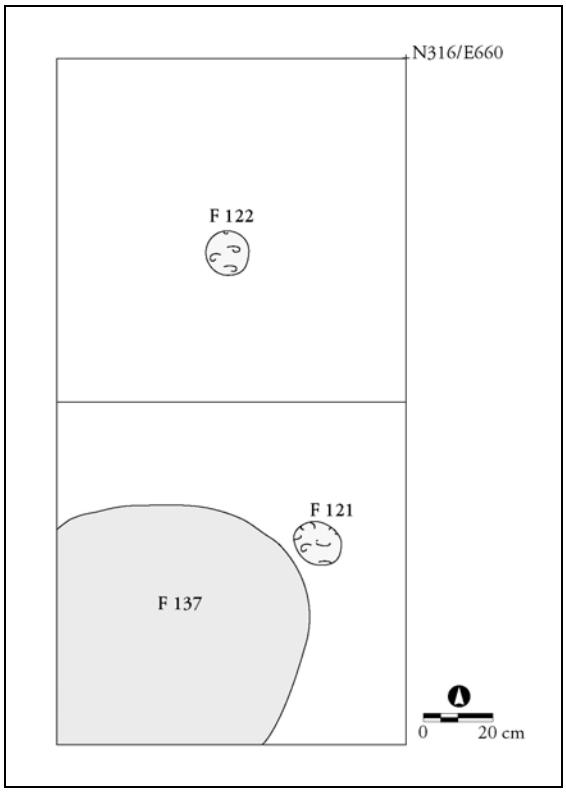
Radiocarbon Assay:
Not Dated

Artifacts:
121: 1 Chip 122: None
1 Unidentified Ceramic

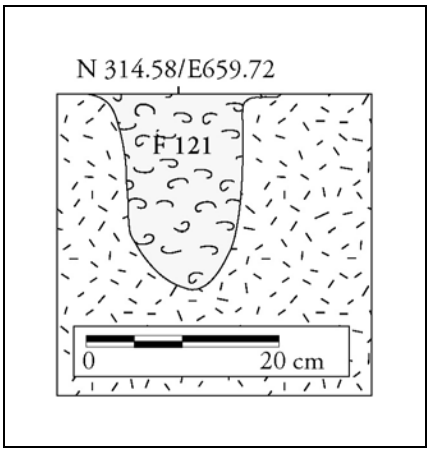
Ecofacts:
121: 1 Concretion 122: 1 Pebble
Charcoal Flecks

Description: Features 121 and 122 were identified at the base of the plow zone and appeared to have been truncated. When viewed facing southwest, Feature 121 exhibited straight walls and a rounded base. Viewed facing northwest, walls were step-sided with a conical base. Feature 121 contained a small ceramic fragment, one chip and visible charcoal flecks.

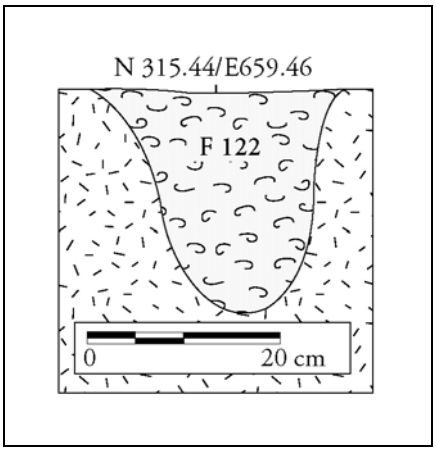
Feature 122 exhibited a wedge shaped profile. Cultural material was not recovered from the excavation of Feature 122, nor were any elevated amounts of charcoal flecking noted within the fill.



Planview



Profile Facing Northwest



Profile Facing South

Feature 123

Location (Centerpoint):
N310.45 E658.40
Locus A

Type:
A1-a: TAS Concentration

Morphology:
Plan: Sub-round, scatter
Profile: Surface Manifestation

Dimensions:
Length: 26 cm
Width: 24 cm
Depth: n/a

Origin:
In E-horizon

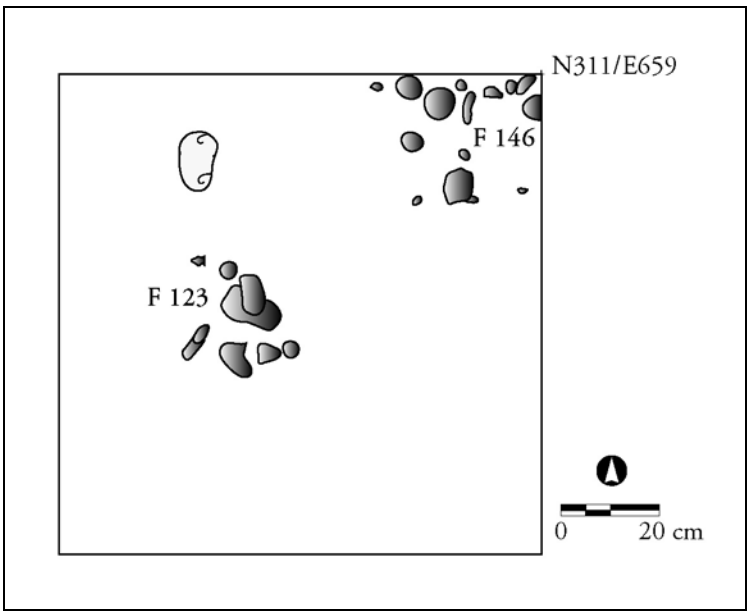
Soil Classification:
10 YR 5/3 Brown mottled with 10 YR 4/6 Dark Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

Artifacts:
1 Selby Bay Point (1635-1)
4 TAS
3 Flakes; 1 Chip

Ecofacts:
1 Concretion
Root Casts

Description: The Feature 123 designation was applied to a cluster of four large TAS. The feature was identified in the E-horizon just below the plow line. A Selby Bay projectile point was recovered in spatial association with Feature 123. The TAS were found in a single tier, lying on the same horizontal plane.



Planview

Feature 127

Location (Centerpoint):
N316.70 E659.32
Locus A

Type:
D1: Biotic Pattern – Tree Root

Morphology:
Plan: Small, semi-round
Profile: Irregular tapering to conical

Dimensions:
Length: 13 cm
Width: 12 cm
Depth: 14 cm+

Origin:
Base of Ap

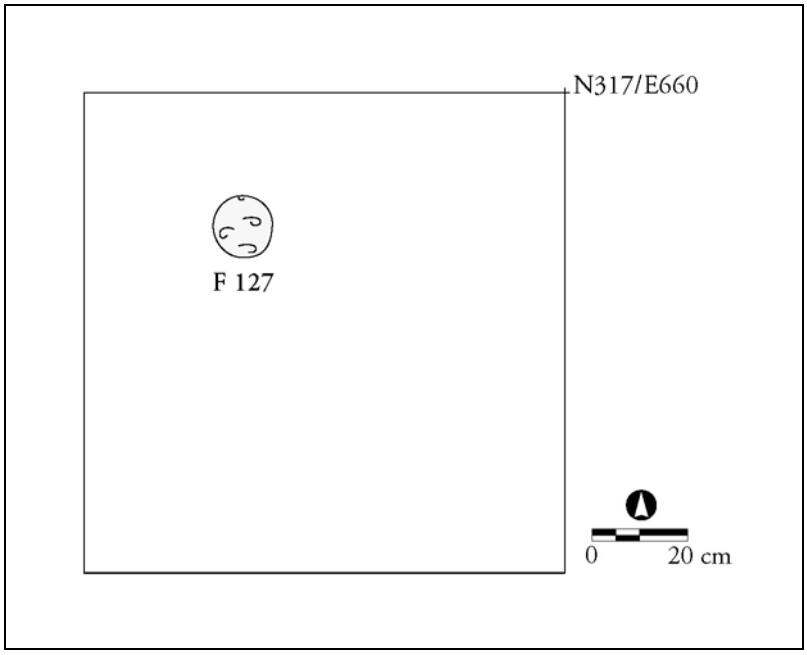
Soil Classification:
10 YR 4/3 Brown Sandy Loam

Radiocarbon Assay:
Not Dated

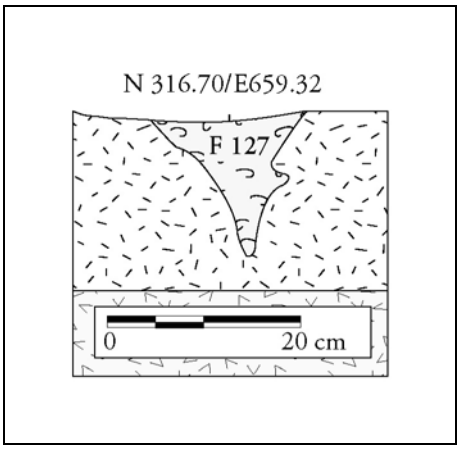
Artifacts:
No Cultural Material

Ecofacts:
1 Calcined Bone - Vertebrate
Charcoal Flecks

Description: Feature 127 was identified at the base of the plow zone. Fill was darker in color and less compact than the adjacent E-horizon. Excavation revealed that the walls tapered in an almost conical fashion to a narrow apparent root cast extending down an undetermined distance into the underlying soils.



Planview



Profile Facing South

Feature 135

Location (Centerpoint):
N311.70 E660.02
Locus A

Type:
D1: Biotic Pattern – Tree Root

Morphology:
Plan: Irregular, sub-ovoid
Profile: Steep-sided to conical

Dimensions:
Length: 63 cm
Width: 38 cm
Depth: 84 cm+

Origin:
E -E/C Interface

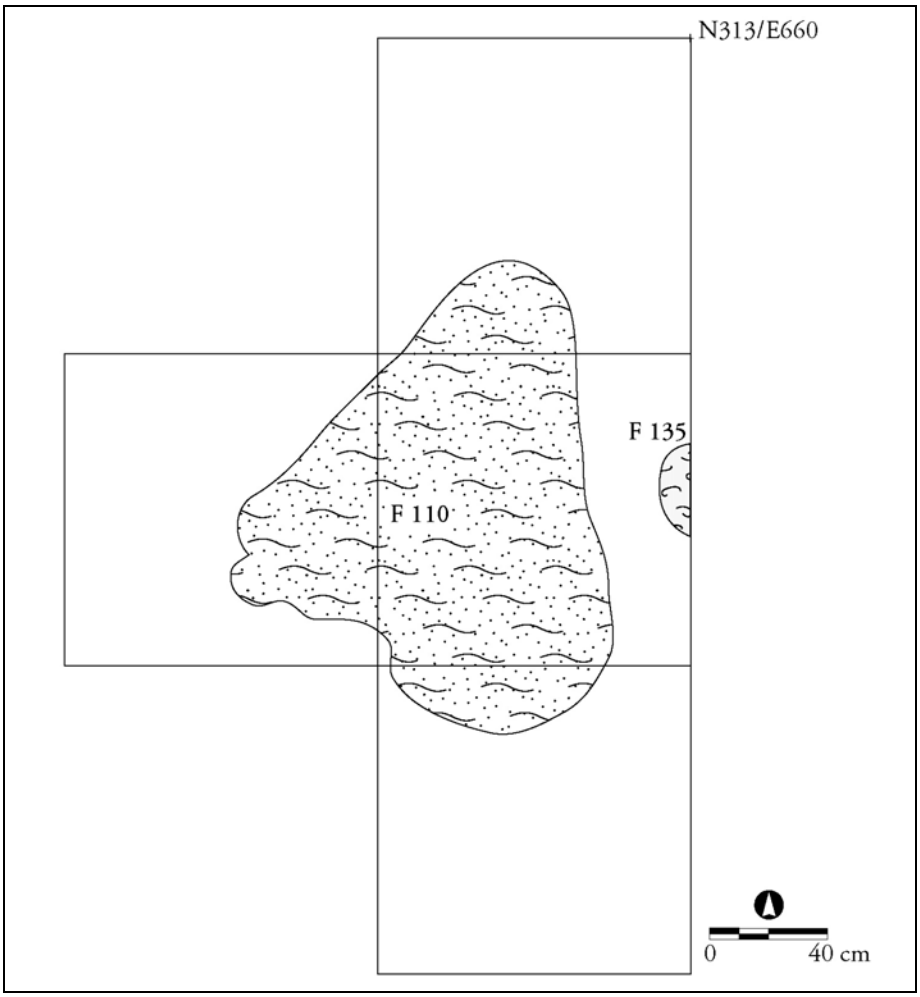
Soil Classification:
10 YR 5/4 Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

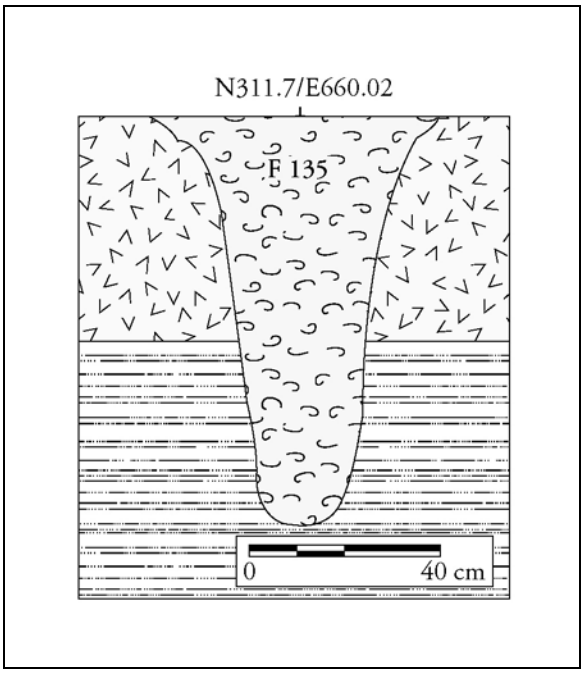
Artifacts:
No Cultural Material

Ecofacts:
1 Concretion
Charcoal Flecks

Description: Feature 135 exhibited solid, well-defined walls. A fair amount of charcoal flecking was observed during excavation. Feature 135 exhibited a deep conical profile typical of a taproot disturbance.



Planview



Profile Facing East

Feature 136

Location (Centerpoint):
N311.35 E658.88
Locus A

Type:
A1-a: TAS Concentration

Morphology:
Plan: Irregular, linear cluster
Profile: Surface Manifestation

Dimensions:
Length: 60 cm
Width: 31 cm
Depth: n/a

Origin:
In E-horizon

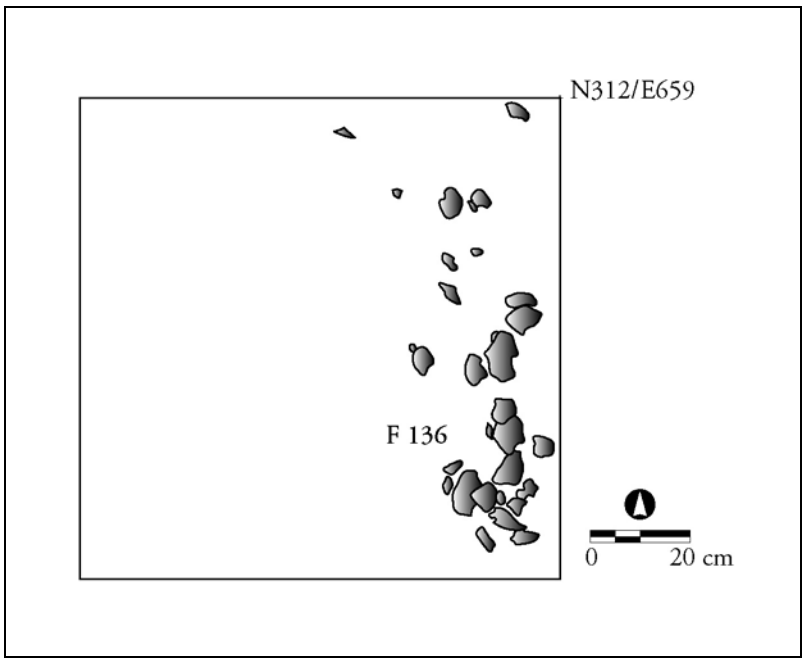
Soil Classification:
10 YR 5/4 Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

Artifacts:
26 TAS

Ecofacts:
"Bog Iron" (not collected)

Description: Feature 136 was comprised of 26 TAS. The southern portion of the cluster appeared more or less intact. Rocks on the northern half of the feature were more dispersed. The feature originated within the second level of the E-horizon, at a slight but recognizably lower level than the other TAS clusters in the excavation block. The rocks were located on a single plane. No noticeable increase in charcoal flecks or soil discoloration was noted around the stones. No artifacts were found in spatial association with the TAS cluster.



Planview

PARSONS ES
HICKORY BLUFF
PHASE III
7K-C-411
UNIT N312
E659
FEATURE 136
10 JUNE 1998

Feature 137

Location (Centerpoint):
N314.36 E659.38
Locus A

Type:
B3-a: Small Basin

Morphology:
Plan: Circular
Profile: Shallow, flat bottom

Dimensions:
Length: 90 cm
Width: 89 cm
Depth: 15 cm

Origin:
In E-horizon

Soil Classification:
10 YR 5/6 Yellowish Brown Sandy Loam

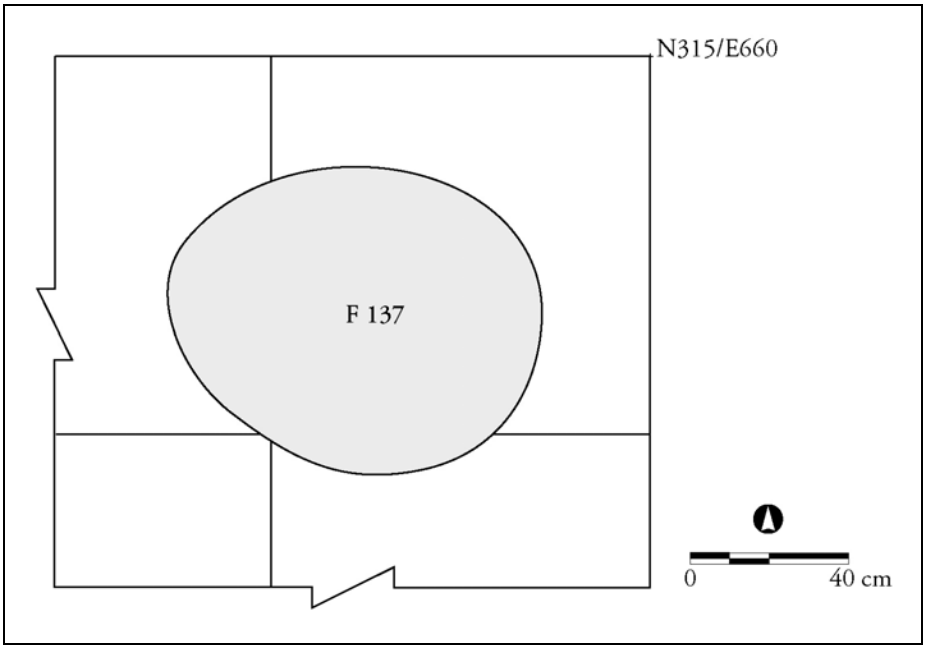
Radiocarbon Assay:
Not Dated

Artifacts:
24 Marcey Creek Ceramics (1951-1 through -15, 17; 1952-1, 2; 1953-1-5)
2 Clay Tempered Ceramic (1951-16; 1953-6)
4 Unidentified Ceramics
8 Flakes; 2 Chips
13 TAS; 1 Pot lid

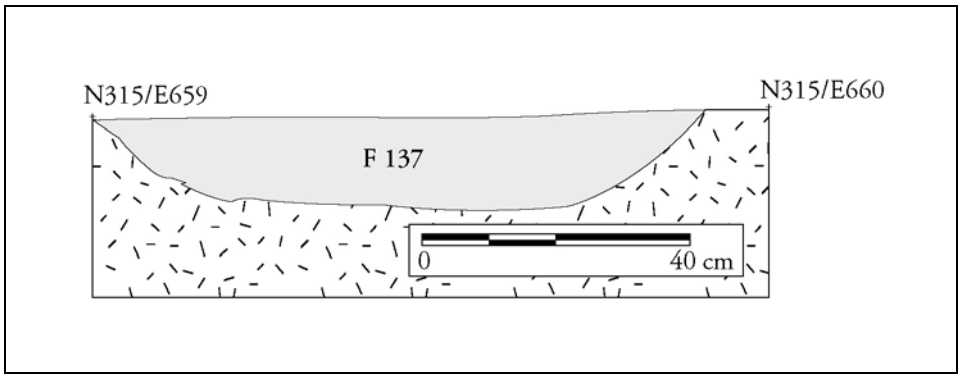
Ecofacts:
1 Concretion
1 Cobble
8 Mammal; 4 Vertebrate Calcined Bones
17 *Carya sp*., 3 deciduous taxa
2 *Carya sp.* (carbonized hickory nut fragments)
Some Charcoal Flecks

Fine Screen Recovered Materials:
14 Flakes
2 Calcined Bone
10 Burned Earth Fragments; 6 Concretions
1 Unidentified Charcoal
20 Burned Seeds; 11 Non-burned Seeds

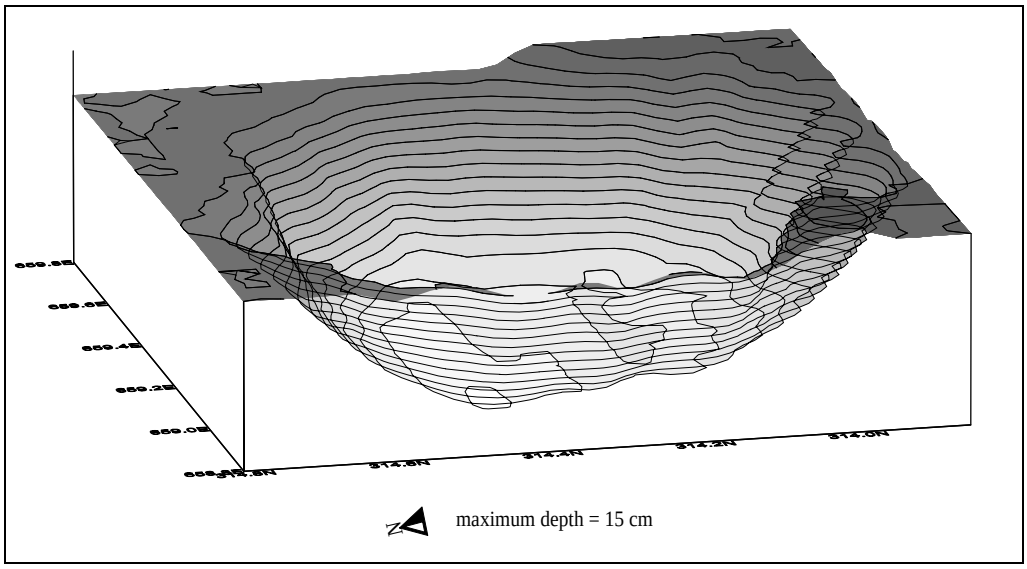
Description: Feature 137 was almost circular in planview. Excavation revealed sloping walls and a nearly flat base. The feature fill was slightly darker in color than the surrounding E-horizon, thought only minor amounts of charcoal flecking was noted. The feature yielded a fair number of artifacts, including 10 Marcey Creek ceramic sherds. Feature 137 appeared to originate within the E horizon rather than having been plow truncated.



Planview



Profile Facing North



Contour Mapping

Feature 145

Location (Centerpoint):
N313.44 E658.40
Locus A

Type:
A1-a: TAS Concentration

Morphology:
Plan: Diffuse, scatter
Profile: Surface Manifestation

Dimensions:
Length: 72 cm
Width: 70 cm
Depth: n/a

Origin:
In E-horizon

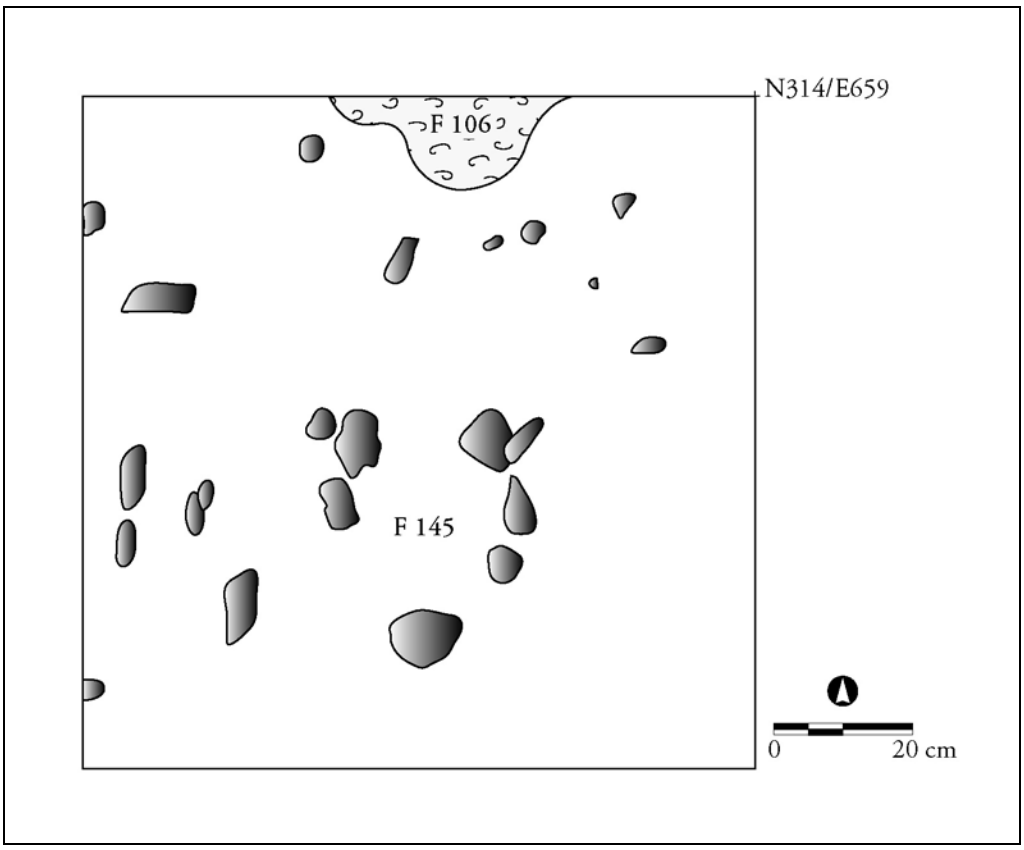
Soil Classification:
10 YR 5/6 Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

Artifacts:
4 Marcey Creek Ceramics (1935-1; 1936-1-3)
9 TAS
1 Chip

Ecofacts:
Pebbles

Description: Feature 145 consisted of a diffuse scatter of nine TAS. The feature was identified within the E-horizon. No discernable soil discoloration was associated with the TAS. Four Marcey Creek ceramic sherds were recovered in spatial association with the TAS. The stones were located on a single horizontal plane within the E-horizon.



Planview

Feature 146

Location (Centerpoint):
N310.84 E658.86
Locus A

Type:
A1-a: TAS Concentration

Morphology:
Plan: Irregular, sub-round
Profile: Surface Manifestation

Dimensions:
Length: 28 cm
Width: 34 cm
Depth: n/a

Origin:
In E-horizon

Radiocarbon Assay:
Not Dated

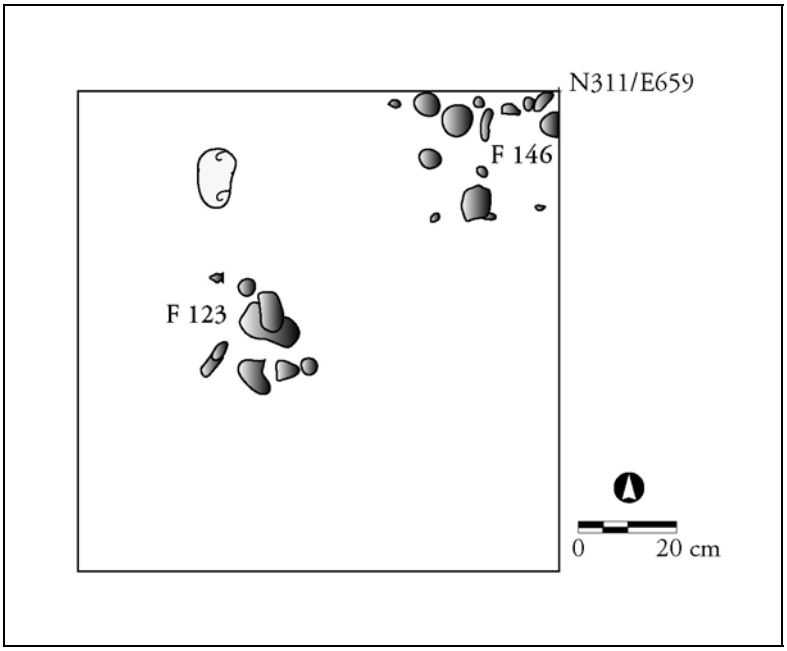
Artifacts:
1 Clay Tempered Ceramic (1902-1)
14 TAS
1 Flakes

Ecofacts:
None Recovered

Fine Screen Recovered Materials:
1 Flake; 1 Chip
3 TAS
1 Unidentified Charcoal
1 Burned Seed; 2 Non-burned Seeds
13 Burned Earth Fragments; 77 Concretions

Soil Classification:
10 YR 5/4 Yellowish Brown Sandy Loam

Description: Feature 146 was comprised of 14 loosely grouped TAS. The soil surrounding the stones exhibited no discoloration or noticeable increase in charcoal flecks. The stones comprising the feature were found on a single tier and occurred on the same horizontal plane. Two other minor TAS clusters were recorded in close proximity to Feature 146 (Features 123 and 136) and it is possible that all three entities were part of a larger, disturbed TAS feature. A Clay Tempered ceramic sherd was recovered in spatial association with Feature 146.



Planview

Feature 152

Location (Centerpoint):
N310 E663
Locus A

Type:
D3: Biotic Pattern – Rodent Burrow

Morphology: (exposed)
Plan: Partial, semi-round
Profile: Irregular, steep-sided

Dimensions: (excavated)
Length: 64 cm
Width: 60 cm
Depth: 23-28 cm

Origin:
Base of Ap

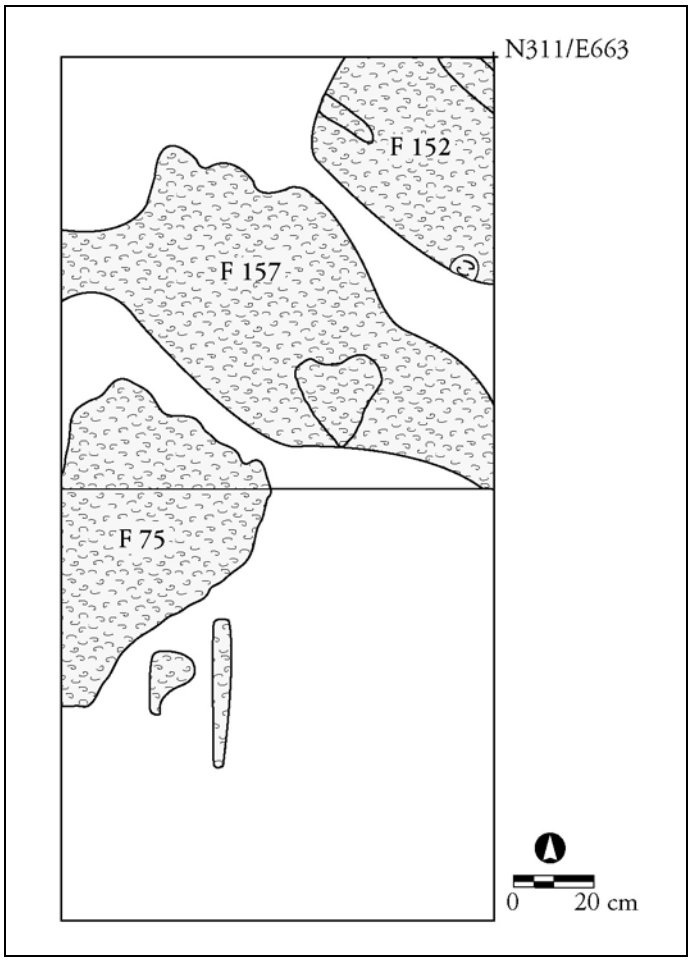
Soil Classification:
7.5 YR 4/6 Strong Brown Sandy Loam

Radiocarbon Assay:
Not Dated

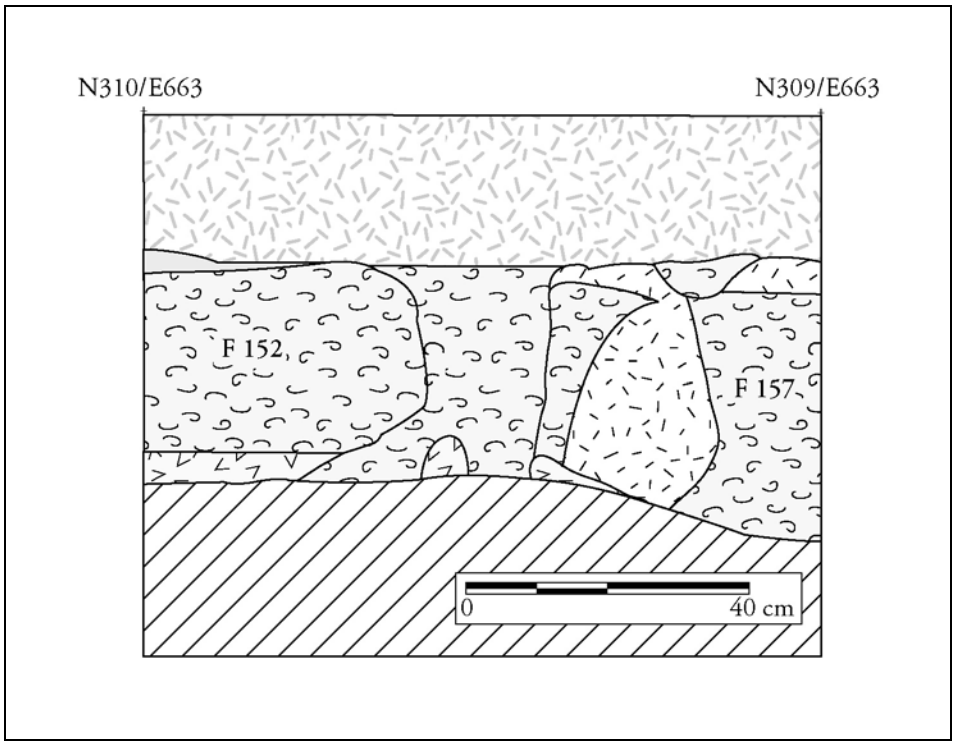
Artifacts:
1 Flake
1 TAS

Ecofacts:
None

Description: Feature 152 consisted of fill that was loose and mottled with substrata sands. A portion of the feature extended outside of the excavation area. Several voids were encountered within the feature, which represented a fairly recent rodent disturbance.



Planview



Profile Facing East

Feature 154

Location (Centerpoint):
N315.40 E657
Locus A

Type:
E2: Geomorphic

Morphology: (exposed)
Plan: Partial, semi-ovoid
Profile: Irregular, tapering

Dimensions: (excavated area)
Length: 50 cm
Width: 33 cm
Depth: 20 cm

Origin:
E-B Interface

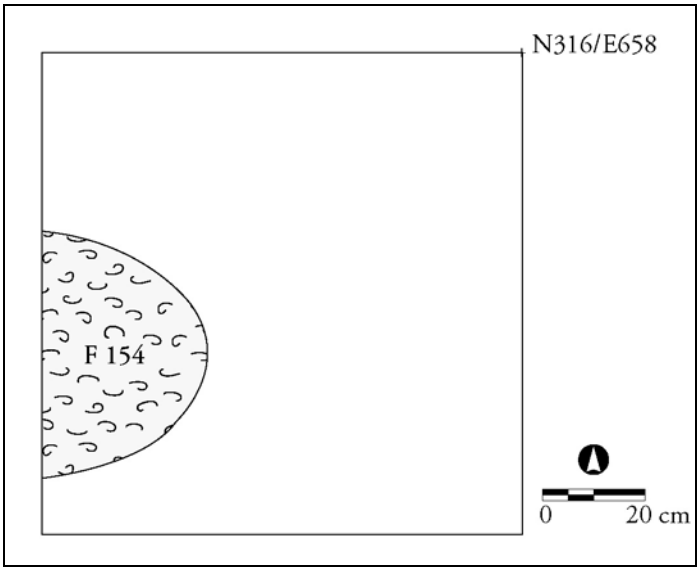
Soil Classification:
10 YR 6/4 Light Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

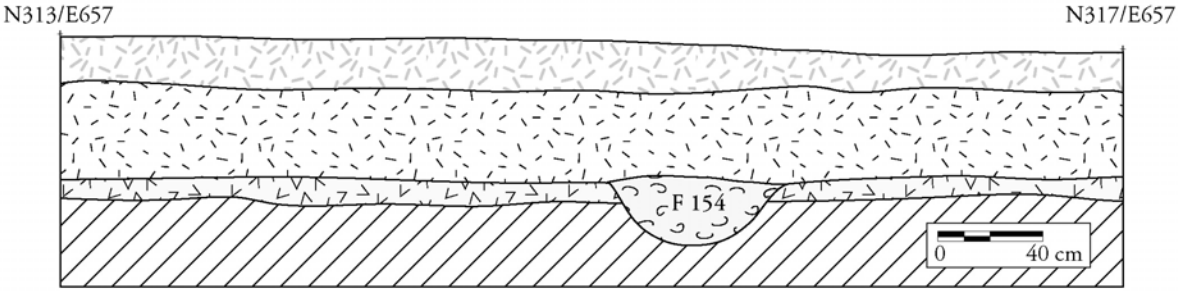
Artifacts:
No Cultural Material

Ecofacts:
None

Description: Feature 154 consisted of an area of paler soil that contrasted with the surrounding B-horizon. It was identified in the west wall of the excavation block. A small portion remained in the floor of the excavated area and this portion was excavated revealing a shallow rounded profile. Feature 154 is not thought to be cultural in origin and may represent a dip in the E-horizon or some other variation in soil development.



Planview



Profile Facing West

Feature 155

Location (Centerpoint):
N314.50 E661
Locus A

Type:
E2: Geomorphic

Morphology:
Plan: n/a
Profile: Irregular, dip

Dimensions:
Length: n/a
Width: n/a
Depth: 5-8 cm

Origin:
E -E/C Interface

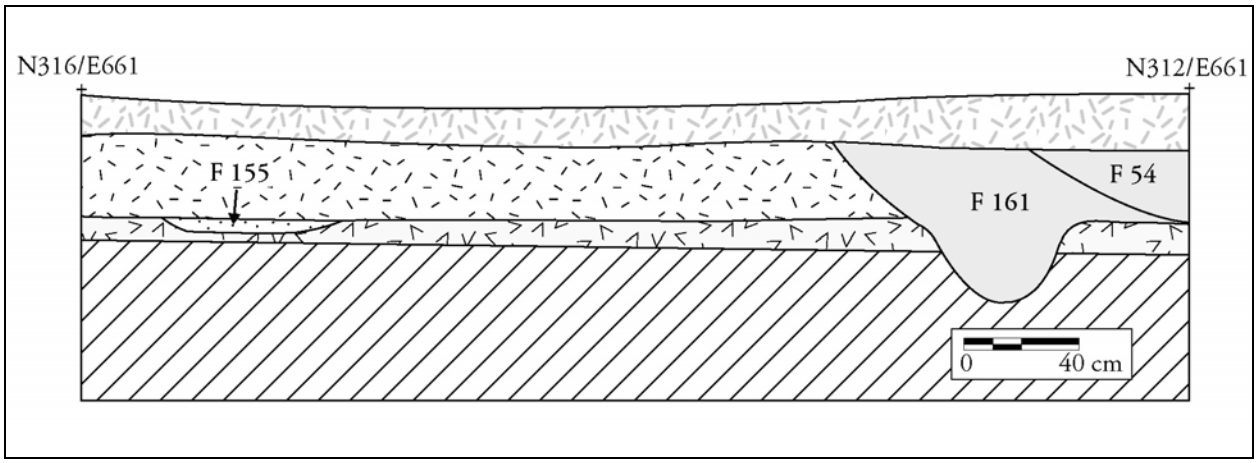
Soil Classification:
10 YR 6/4 Light Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

Artifacts:
No Cultural Material

Ecofacts:
None

Description: Feature 155 was determined to have been a localized undulation of the E-horizon. It was identified in the east wall profile of the Locus A excavation block after excavations were complete.



Profile

Feature 157

Location (Centerpoint):
N309.40 E662.50
Locus A

Type:
D3: Biotic Pattern – Rodent Burrow

Morphology:
Plan: Irregular, bulbous
Profile: Irregular, undulated with steep sides

Dimensions: (excavated area)
Length: 114 cm
Width: 74 cm
Depth: 34 cm

Origin:
Base of Ap

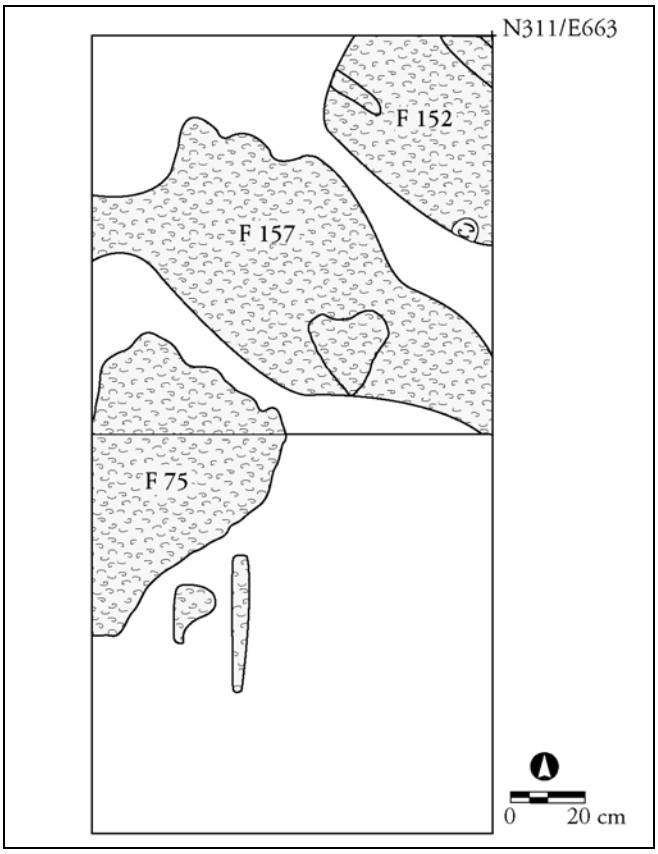
Soil Classification:
10 YR 5/3 Brown Sandy Loam

Radiocarbon Assay:
Not Dated

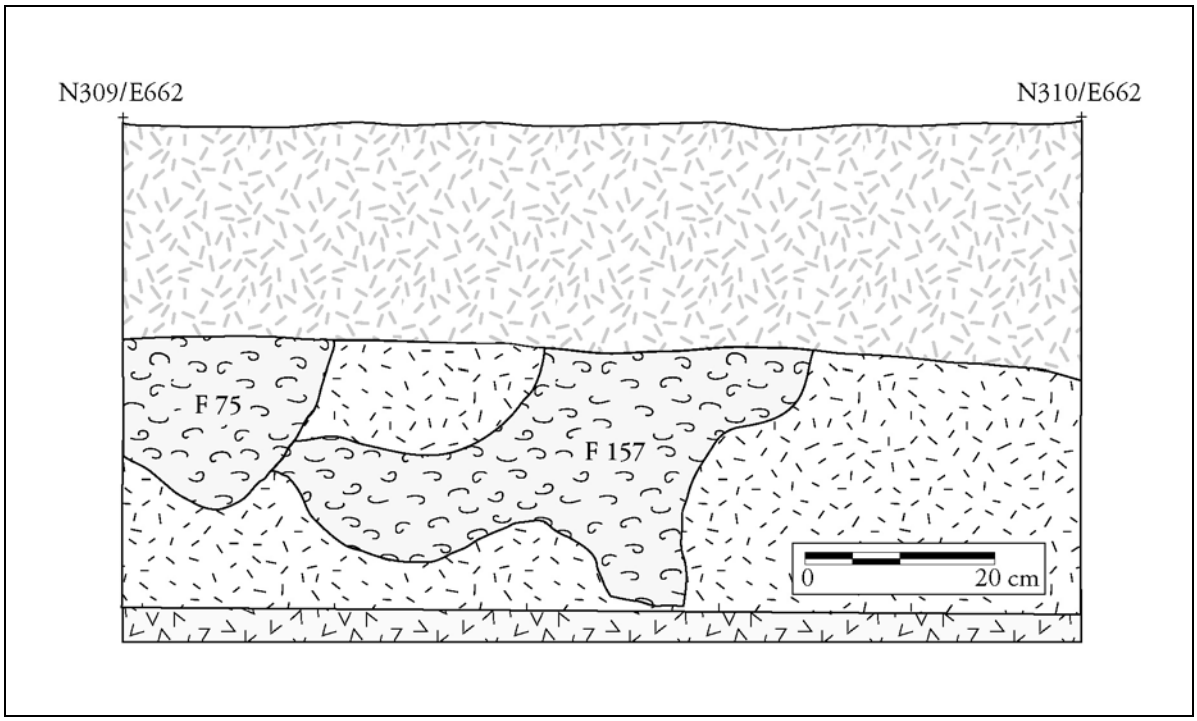
Artifacts:
1 Clay Tempered Ceramic (2129-1)
2 Unidentified Ceramics
1 Core
15 Flakes
53 TAS; 1 Pot lid

Ecofacts:
Charcoal Flecks

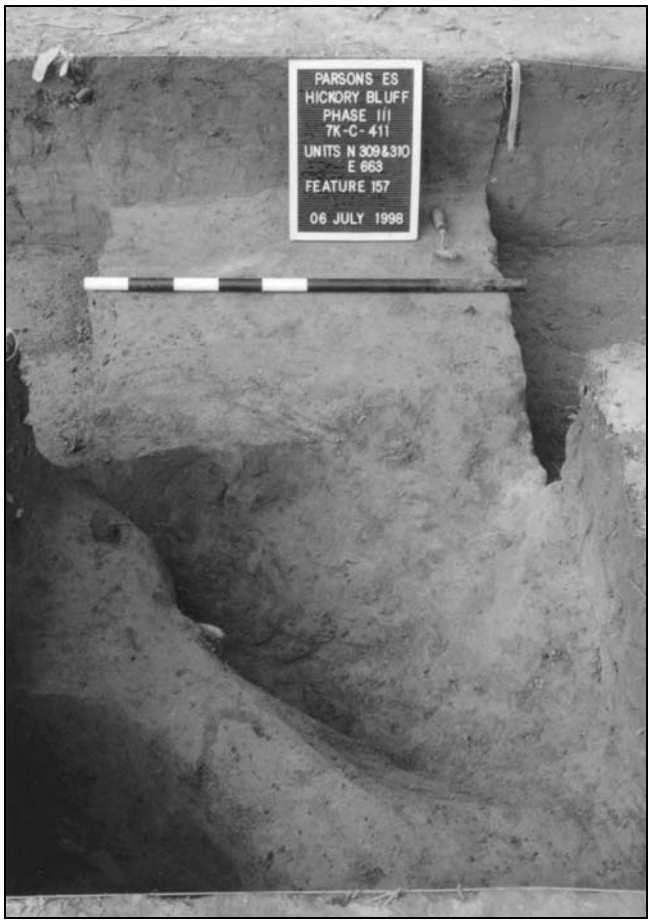
Description: Feature 157 intersected with Feature 75, also interpreted as a natural disturbance. Fill was dark and loose. The feature was not fully excavated as portions extended outside the excavation block. Given the relatively large number of artifacts recovered, it is possible that the Feature 157/Feature 75 complex disturbed an existing Native American feature in the same location.



Planview



Profile Facing West



Feature 161

Location (Centerpoint):
N312.68 E661
Locus A

Type:
B3-a: Small Basin

Morphology:
Plan: n/a
Profile: Bowl-shaped

Dimensions: (excavated area)
Length: 90 cm
Width: n/a
Depth: 58 cm

Origin:
In E-horizon

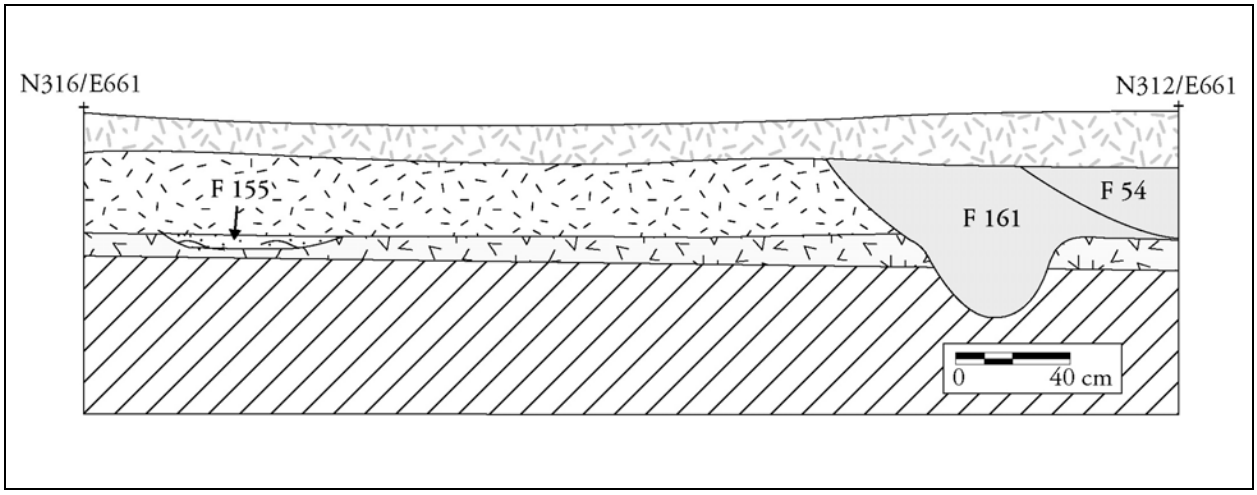
Soil Classification:
10 YR 5/4 Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

Artifacts:
2 Flakes

Ecofacts:
None

Description: Feature 161 was identified in the east wall profile of the Locus A excavation block and its full dimensions could not be determined. The portion exposed in the excavation block wall exhibited a bowl-shaped profile. A small basal portion of the feature was subsequently identified in the floor of the excavation block. Excavation of this remnant recovered two small flakes.



Profile Facing East

Feature 170

Location (Centerpoint):
N308.56 E656.40
Locus A

Type:
B1: Large Basin

Morphology:
Plan: Partial, semi-elliptical
Profile: Steep-sided to gradually tapering floor

Dimensions: (excavated area)
Length: 80 cm
Width: 43 cm
Depth: 80 cm

Origin:
Base of Ap

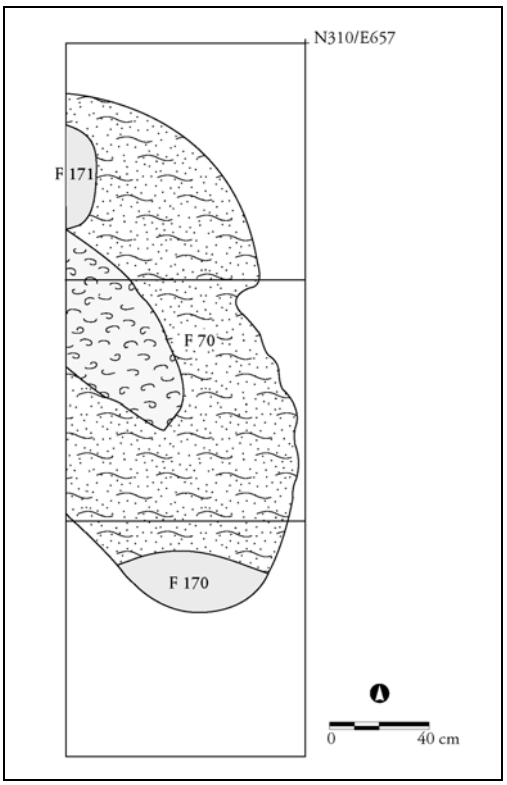
Soil Classification:
10 YR 6/4 Light Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

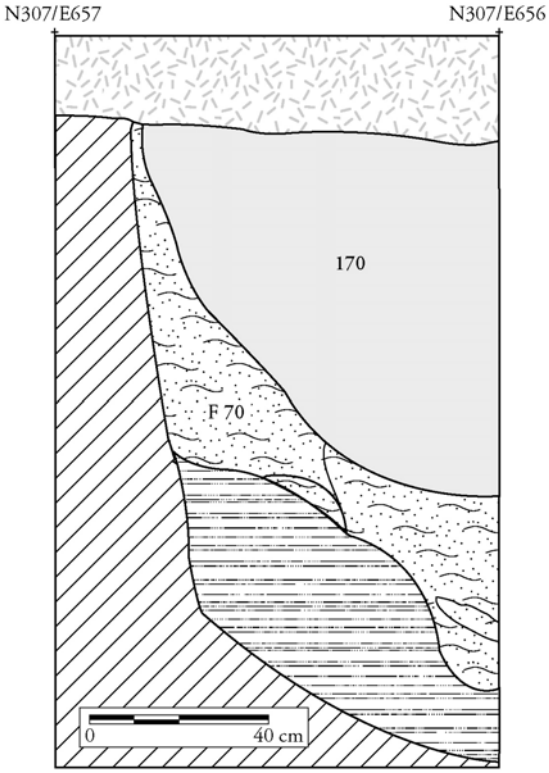
Artifacts:
1 Marcey Creek Ceramic (2133-2)
1 Clay Tempered Ceramic (2133-1)
1 Unidentified Ceramic
4 Flakes

Ecofacts:
Small Cobbles

Description: The excavated portions of Feature 170 displayed regular, steep-sides and a shallow rounded base. The soil matrix was light yellowish brown loamy-sand. Artifacts were recovered from the feature including 3 ceramic sherds. The majority of the feature appeared to occur outside the excavation block so its full dimensions could not be established. The west wall profile of the Locus A excavation block showed Feature 170 cutting into Feature 70, the probable Deformation Feature.



Planview



Profile Facing South

Feature 171

Location (Centerpoint):
N309.40 E656
Locus A

Type:
B2: Medium Basin

Morphology:
Plan: n/a
Profile: Shallow

Dimensions: (excavated area)
Length: 60 cm
Width: n/a
Depth: 18 cm

Origin:
Base of Ap

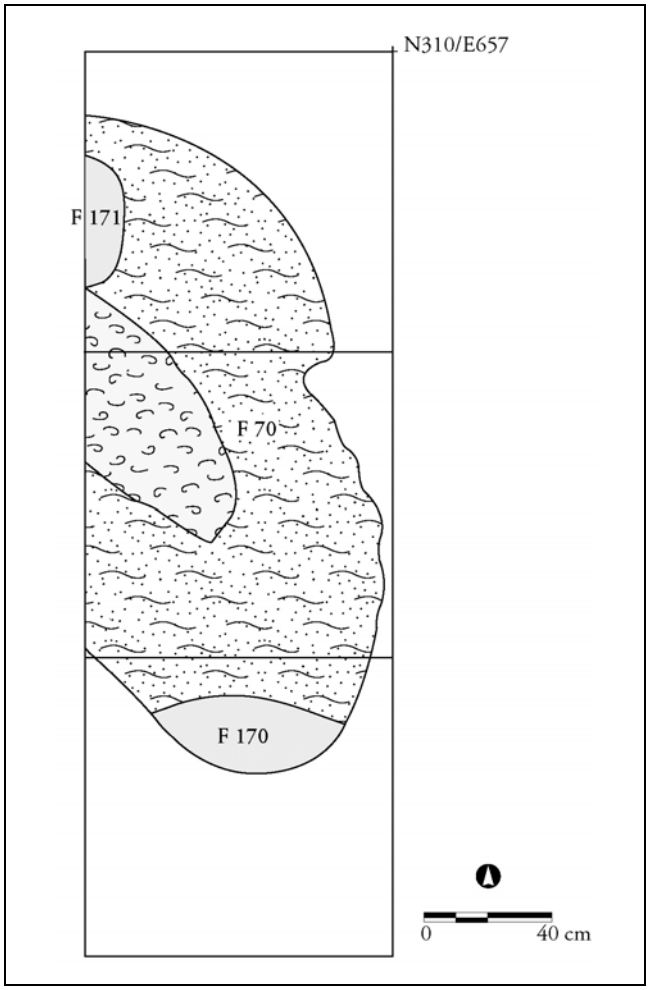
Soil Classification:
7.5 YR 6/4 Light Brown Sandy Loam

Radiocarbon Assay:
Not Dated

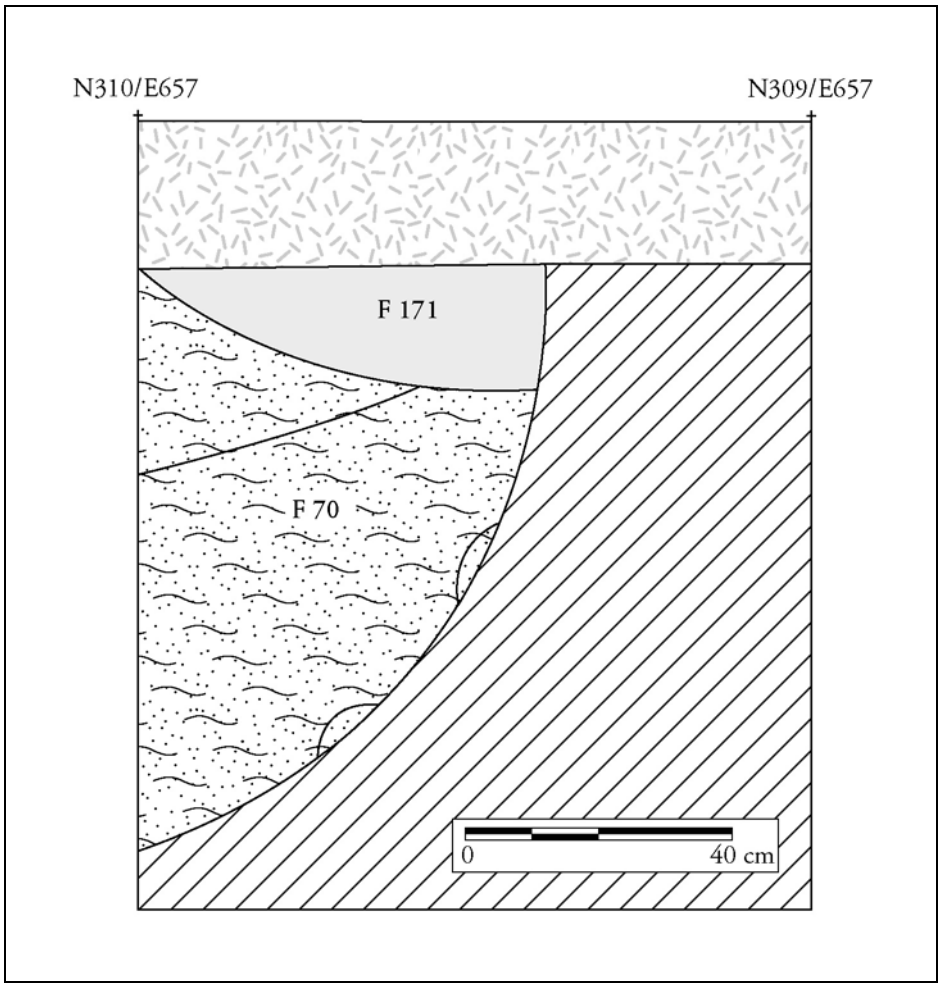
Artifacts:
No Cultural Material

Ecofacts:
None

Description: A small portion of this feature was recorded in the west wall profile of the Locus A excavation block. No portion of this feature was excavated and its nature remains undetermined.



Planview



Profile Facing West

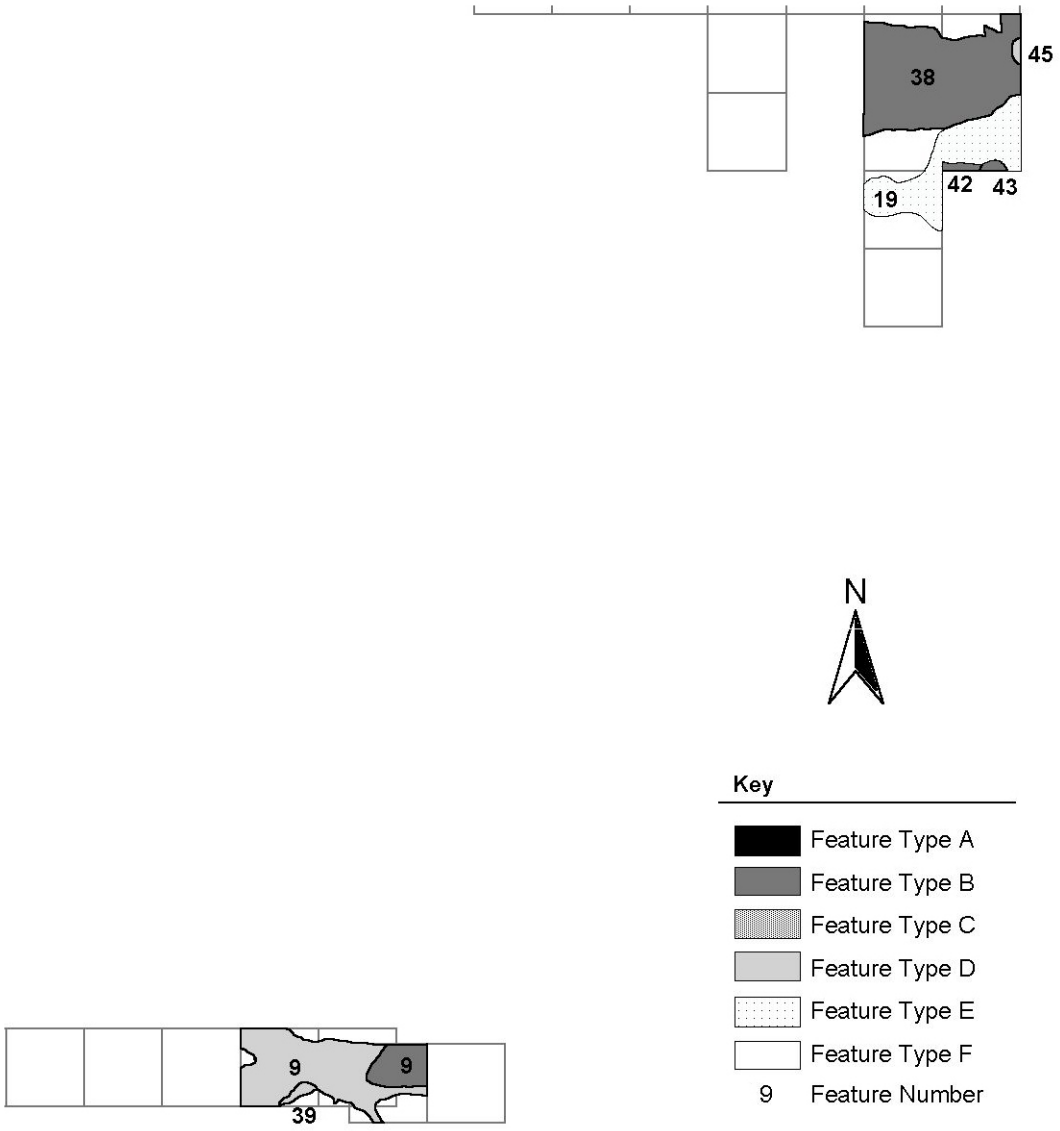
LOCUS A NON-BLOCK

Location: Locus A Non-block consisted of the units located in the southwest quadrant of the project area not incorporated into the larger contiguous block excavation. These were found in 2 discrete blocks of 6 1M^2 units: the first in a line along N299 from E661-667; the second from N309-312 E673-674. They were located just inside the wood line in an area of clear understory near the edge of the bluff.

Purpose: Initial excavations in Locus A contained high artifact counts and identified several features. Design changes resulted in these portions of Locus A being removed from the right of way, hence their non-incorporation into the block. The first set of units was to test a previously identified feature. The second group consisted of deep tests that were expanded to test identified features. The area provided coverage of the middle of the site and comparative stratigraphic data.

Soil Description: Stratigraphy in the area consisted mostly of plowed horizon (Ap) underlain by a truncated E-horizon. However, the six units to the south exhibited an unplowed soil profile, described as an Ao horizon. The plow zone was between 15 cm and 25 cm thick and was comprised of a very dark grayish brown to dark grayish brown, sandy-silt to silty-sand. In areas exhibiting no plow disturbance, the Ao horizon was from 12-20 cm in thickness and consisted of dark grayish brown sandy-silt. Both the Ap and Ao horizons contained a mix of historic and Native American artifacts. Following in profile was a truncated E-horizon comprised of a yellowish brown to brownish yellow sandy-silt. It contained exclusively Native American artifacts. In the northern set of units, this E-horizon was completely absent from all or part of 4 units due to a large-scale fluvial episode. A number of features were encountered at the Ap/Ao-E interface, while others were found within the E-horizon. Beneath the E-horizon, a variety of sub-strata were observed, the range of which can be attributed to the close proximity to the bluff edge overlooking the St. Jones River. These variations range from sorted gravel and sand strata to eroded argillic B-horizons. Underlying the entire area was the coarse sand with gravel of the Columbia Formation, or C-horizon.

Before the cessation of work in this portion of Locus A, eight discontinuities within the soil profile were identified. These included 3 basins, Features 38, 42, and 43; 2 that were indeterminate based upon disturbance or inability to excavate, Features 9 and 22; 2 tree mold patterns, Features 39 and 314; 1 rodent disturbance, Feature 45; and 1 geomorphic fluvial episode, Feature 19.



Locus A Non - Block

Feature 9

Location (Centerpoint):
N298.50 E666
Locus A non-block

Type:
B: Basin Not typed/D2 Biotic Pattern
E3: Geomorphic

Morphology:
Plan: Irregular, jagged
Profile: Irregular concave depression, sloping

Dimensions: (excavated area)
Length: 250 cm
Width: 100 cm
Depth: 52-58 cm

Origin:
Base of Ap

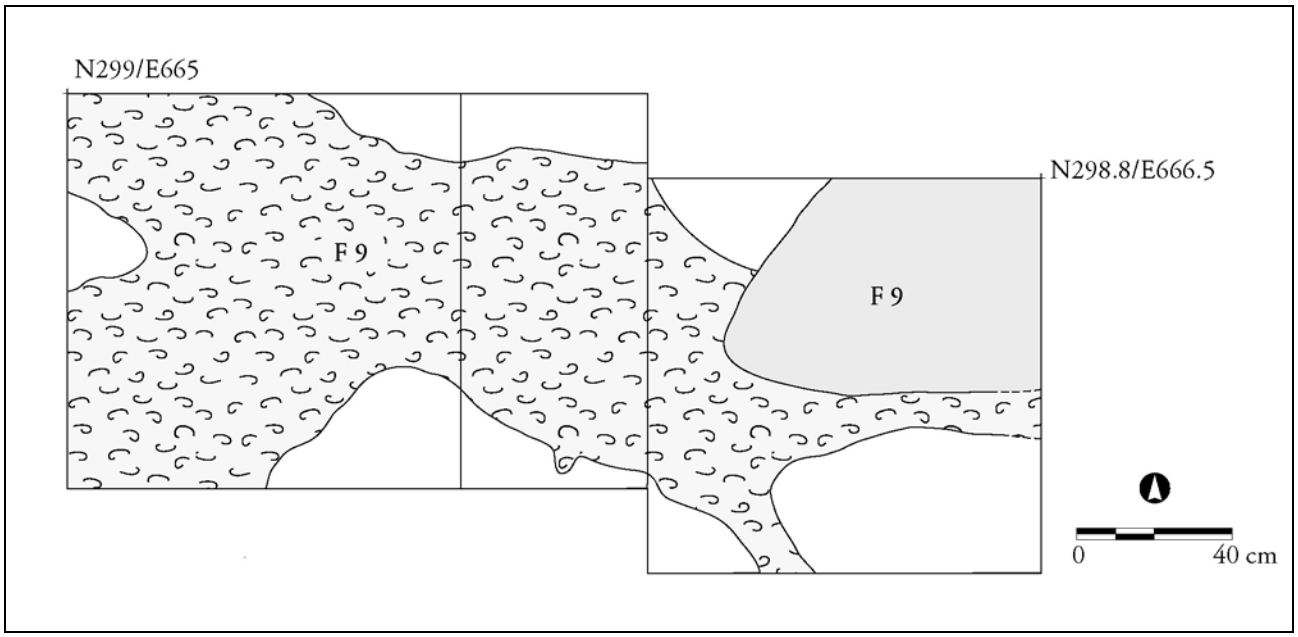
Soil Classification: Stratified
I: 10 YR 5/4 Yellowish Brown Sandy Loam
II: 10 YR 5/6 Yellowish Brown Sandy Loam

Radiocarbon Assay:
Level 4: 4180 +/- 60 years B.P.
Level 5: 4210 +/- 60 years B.P.

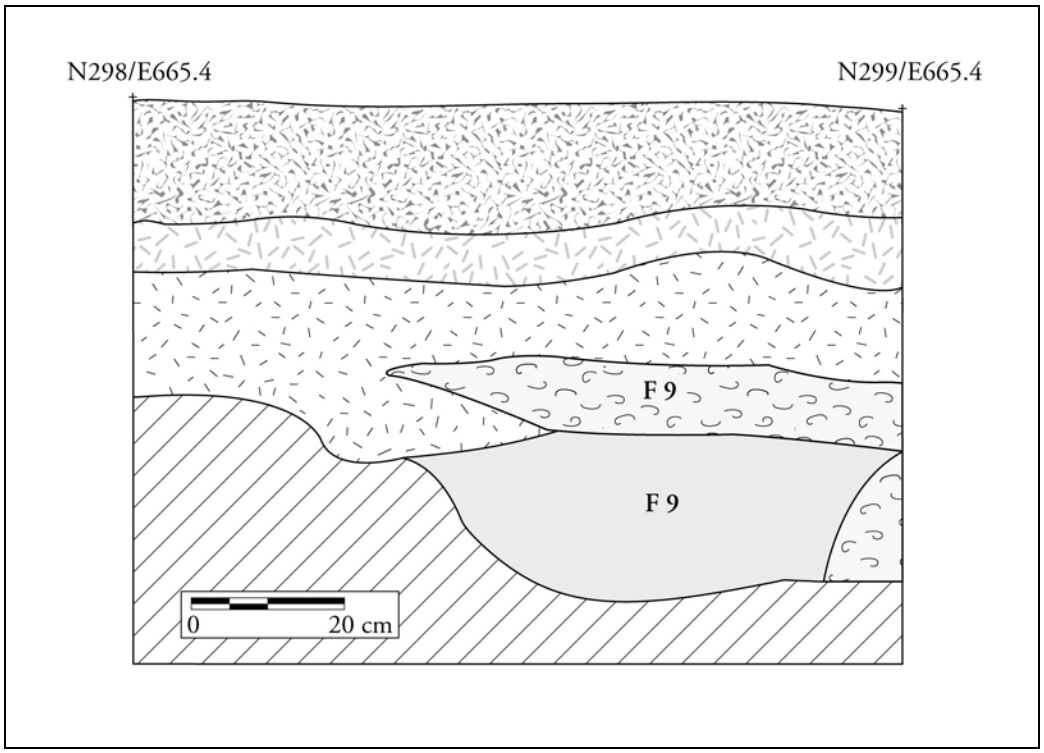
Artifacts:
83 Flakes; 1 Chip
1 Hammerstone; 1 Core
6 TAS; 1 Pot lid

Ecofacts:
1 Seed Carbonized; 30 Unidentified Wood
Charcoal Flecks
1 Pebble

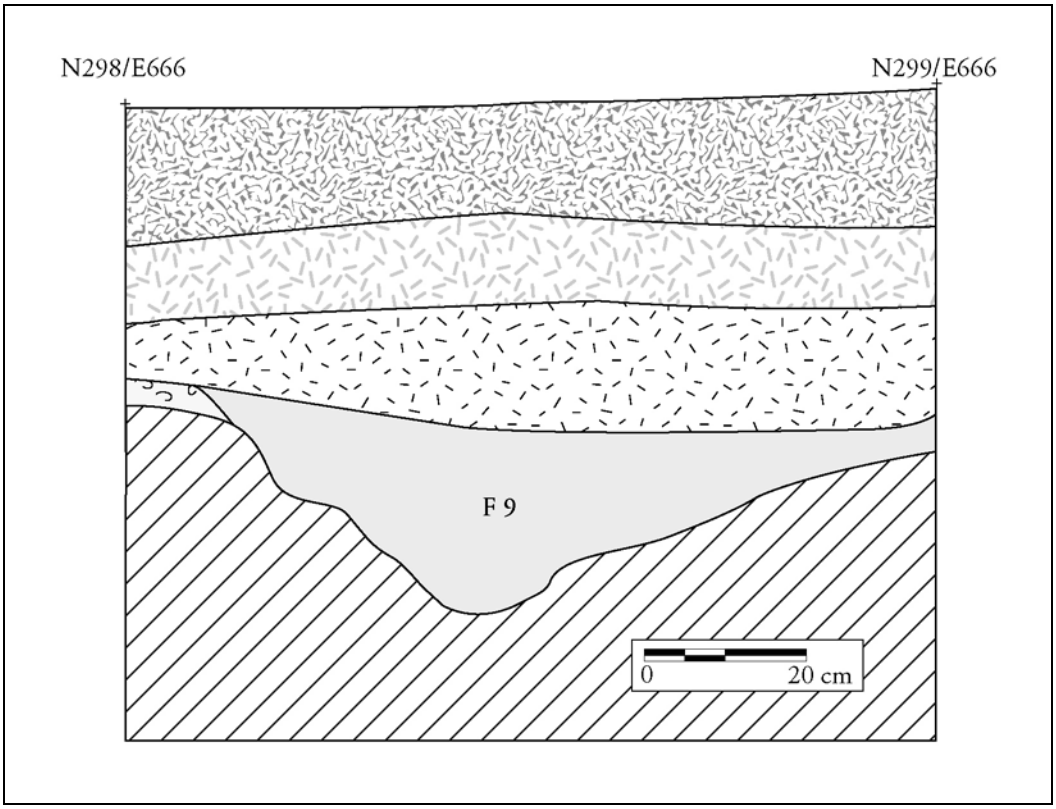
Description: Feature 9 was identified at the base of the plow zone. The fill was characterized by a finer texture and lighter color than the E-horizon. Planview shape was irregular. Feature 9 consisted of several entities and work was discontinued before the full dimensions or shape of the feature was delineated. The western most limits were completely obscured by the Feature 39 tree disturbance. Feature 9 contained artifacts in all levels. Charcoal recovered form the fill yielded two separate radiocarbon dates.



Final Planview of Feature 9, Partially Disturbed, Partially Intact



Profile Facing West



Profile Facing West

Feature 19

Location (Centerpoint):
N310 E673.50
Locus A non-block

Type:
E3: Geomorphic

Morphology:
Plan: Irregular, meandering
Profile: Irregular taper

Dimensions: (excavated area)
Length: 125 cm
Width: 200 cm
Depth: 36 cm

Origin:
Base of Ap

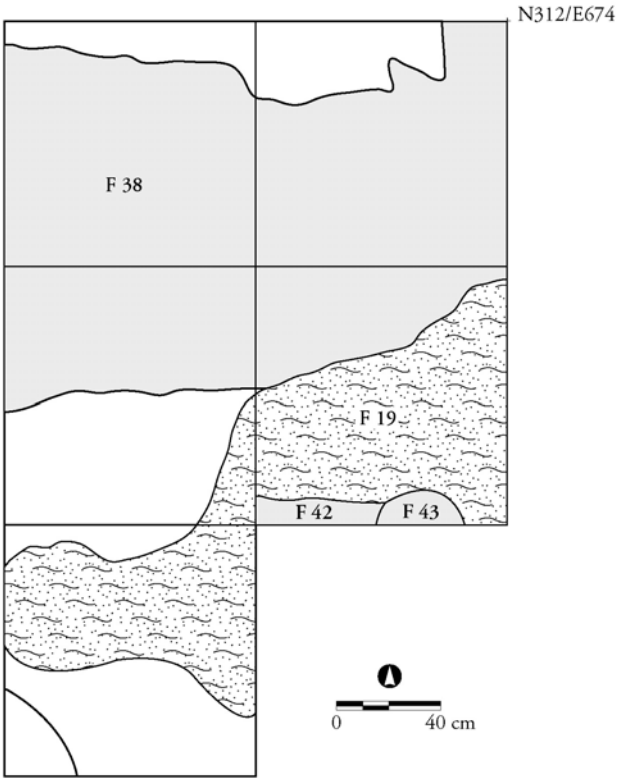
Soil Classification: Mottled
10 YR 5/6 Yellowish Brown, with 10 YR 3/3 Dark Brown, and 7.5 YR 5/6 Strong Brown Sandy Loam With Pebbles

Radiocarbon Assay:
Not Dated

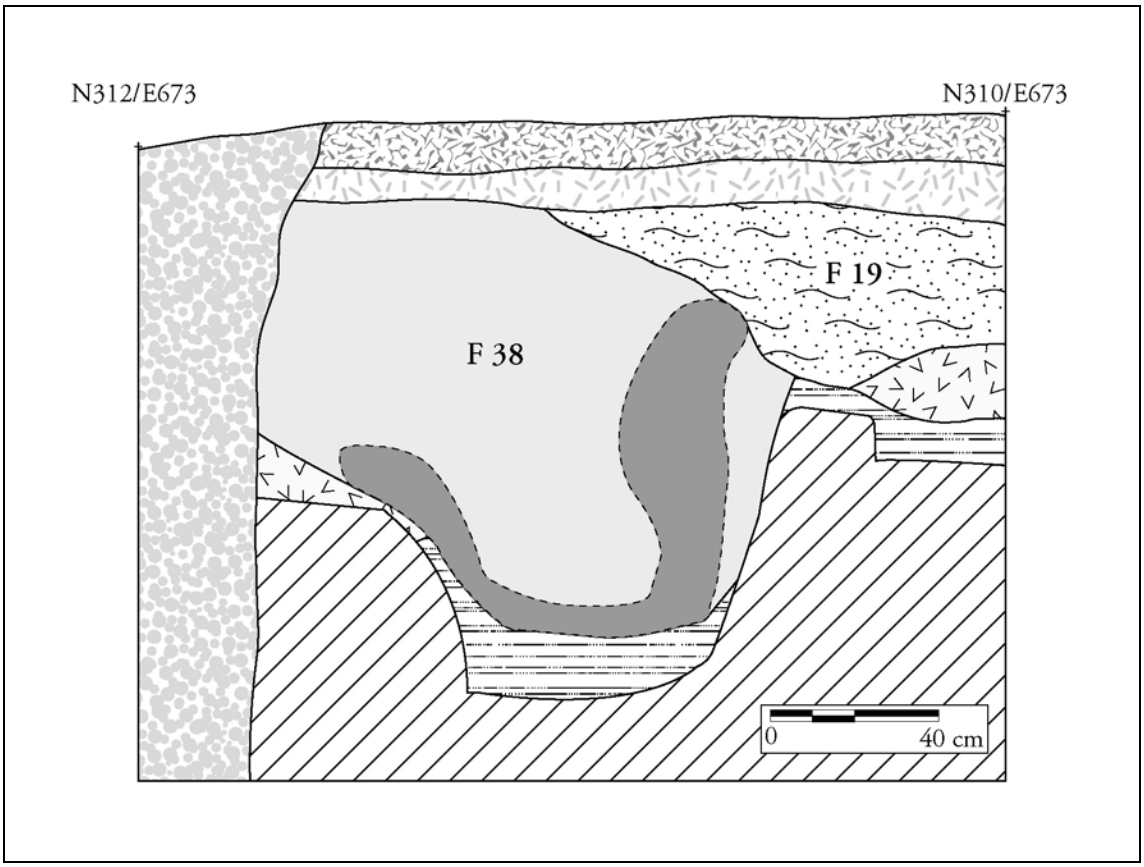
Artifacts:
3 Flakes; 2 Chips
1 Brick Fragment

Ecofacts:
3 Vertebrate Calcined Bone Fragments
Charcoal Flecks
Pebbles

Description: In planview, Feature 19 was quite irregular. It was comprised of mottled sandy loam. Initially, the feature appeared to be stratified, but excavation revealed the presence of multiple intersecting features. The sandy matrix contained more water worn pebbles, especially with greater depth, than the adjacent Features 38, 42, 43, or the E-horizon soils. Feature 19 likely represented an upward displacement of the Columbia Formation (C-horizon). A few small artifacts were found in the feature likely a result of intrusion the cultural features cutting into Feature 19.



Final Planview



Profile Facing East

Feature 22

Location:
N308.50 E672
Locus A non-block

Type:
B3-a: Small Basin

Morphology:
Plan: n/a
Profile: Tapered

Dimensions: (excavated area)
Length: n/a
Width: 72 cm
Depth: 33 cm

Origin:
E-E/C Interface

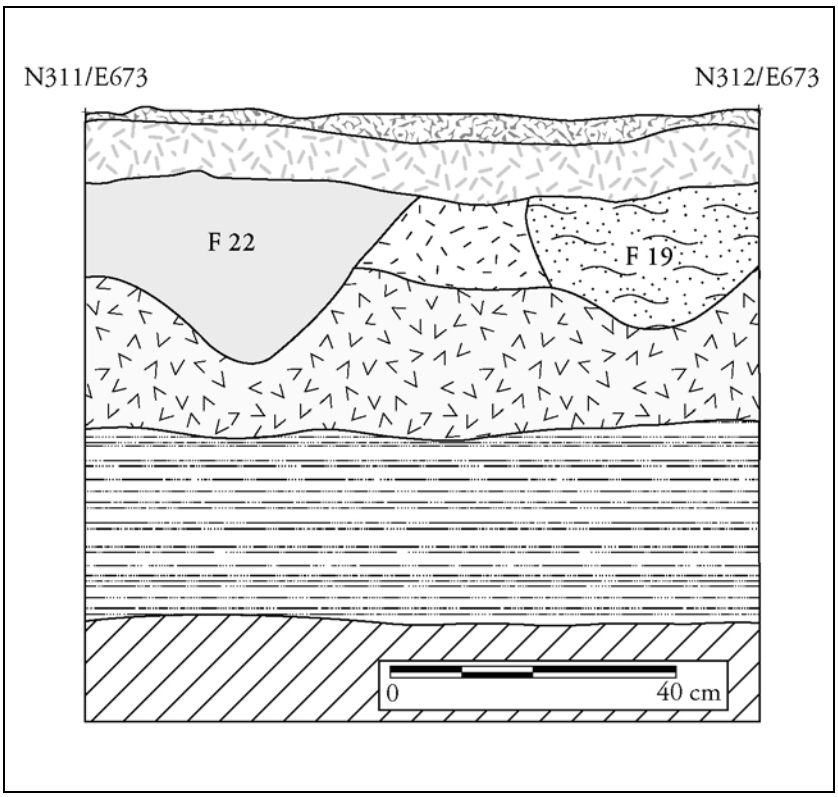
Soil Classification:
10 YR 4/6 Dark Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

Artifacts:
No Cultural Material

Ecofacts:
Charcoal Flecks

Description: Feature 22 was identified in the profile of a deep test, which revealed smooth, regular walls and a rounded bottom. However, undercutting in the trench caused unsafe working conditions and work was halted. Consequently, descriptive information is incomplete. The feature was darker in color than the adjacent B-horizon soils and contained visible charcoal flecks. No artifacts were recovered specifically from within the feature bounds, as excavated.



Profile Facing West

Feature 38

Location (Centerpoint):
N311.10 E673
Locus A non-block

Type:
B1: Large Basin Not Typed

Morphology:
Plan: Irregular, linear
Profile: Steep sided to flat bottom

Dimensions: (excavated area)
Length: 200 cm
Width: 140 cm
Depth: 95 cm

Origin:
Base of Ap

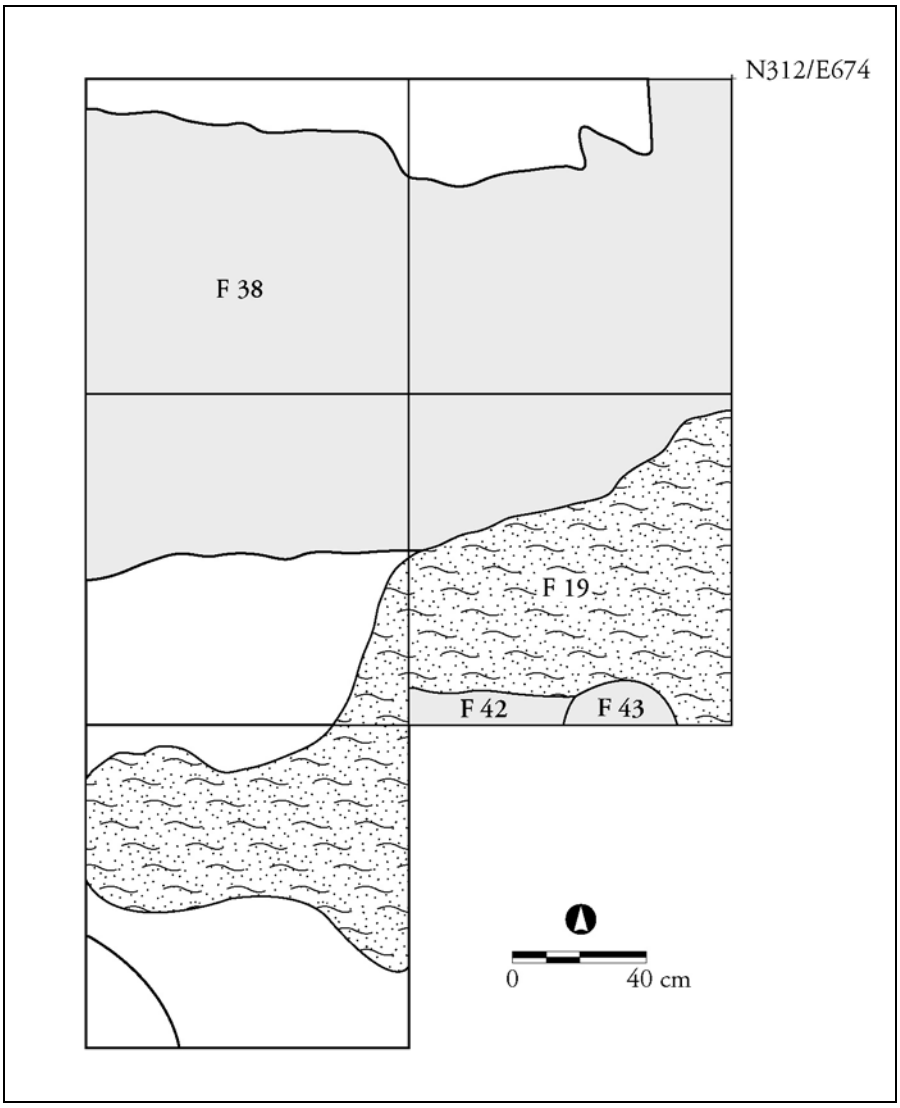
Soil Classification:
10 YR 5/4 Yellowish Brown Sandy Loam

Radiocarbon Assay:
Not Dated

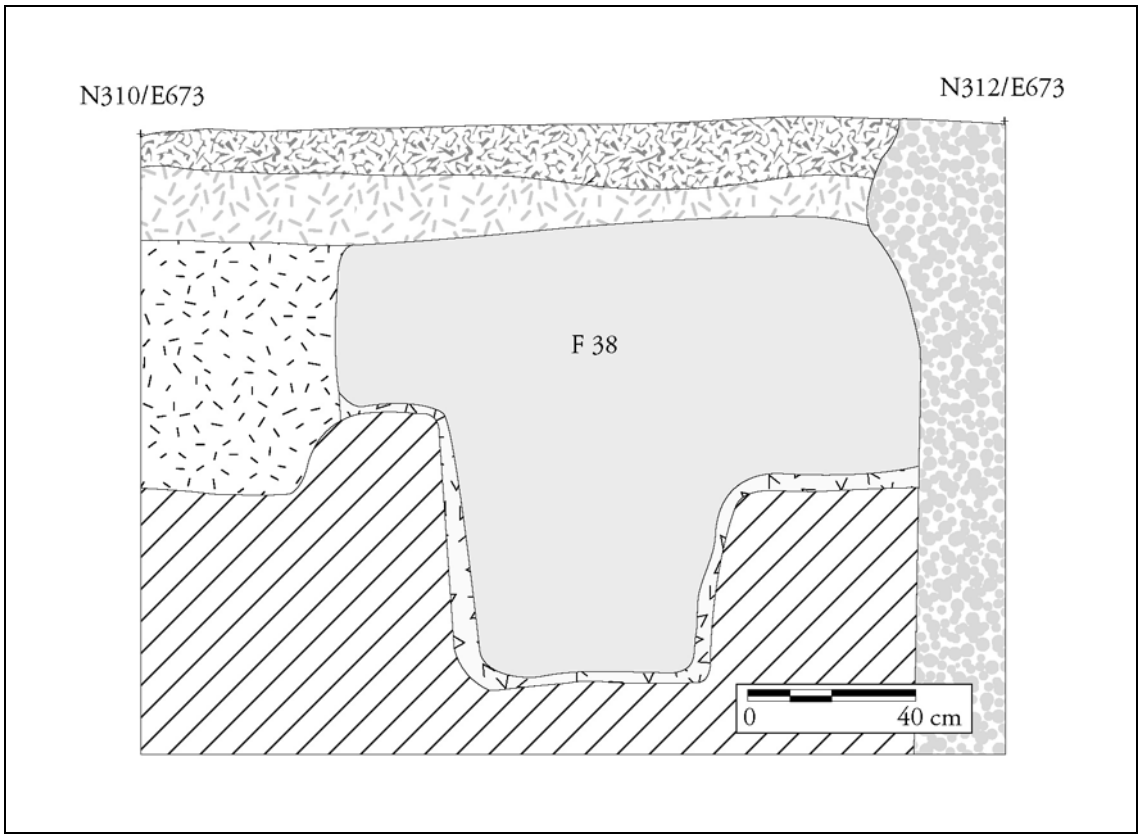
Artifacts:
25 Clay Tempered Ceramics (513-1; 514-1; 515-1; 520-1; 521-1-3; 523-1-3; 524-1; 525-1; 526-1; 566-1,2; 567-1; 574-1; 575-1,2; 577-1; 579-1)
92 Flakes; 11 Chips
3 Cores
31TAS; 5 Pot lids

Ecofacts:
3 Calcined Bones - Vertebrate
1 Cobble, 1 Pebble
Some Charcoal Flecks

Description: Feature 38 was identified as a large, irregular to linear area of soil discoloration. The feature was only partially exposed and excavated. It was comprised of a soil that was a shade darker in color and had a more silty texture than the E-horizon. Excavation revealed steep sides and a smooth, flat base. The feature extended north, east and west out of the block. It is likely that it intersected with basin features identified previously to the north, Features 408 and 411. Feature 38 was likely the intersection of these two large features. As excavations were discontinued in this portion of the site, Feature 38 was not fully exposed. Artifacts were found to 90 cm deep within the feature, including larger ceramic vessel sherds and lithic debitage. Feature 38 truncated the north edge of Feature 19 to the south, but remained distinct from Features 42 and 43.



Final Planview



Profile Facing West

Feature 39

Location (Centerpoint):
N298.46 E664.50
Locus A non-block

Type:
D2: Biotic Pattern – Tree Mold

Morphology:
Plan: Irregular, sub-ovoid
Profile: Undulated, irregular tapering

Dimensions: (excavated area)
Length: 77 cm
Width: 74 cm
Depth: 12-16 cm

Origin:
Base of Ap

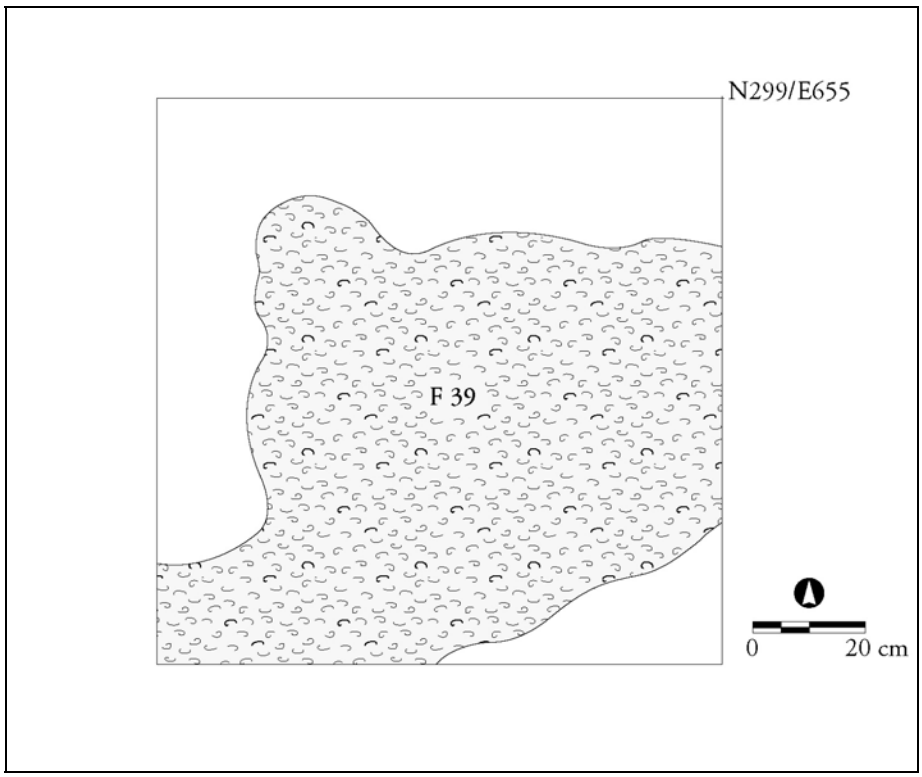
Soil Classification:
10 YR 4/6 Dark Yellowish Brown to 10 YR 4/3 Brown Sandy Loam

Radiocarbon Assay:
Not Dated

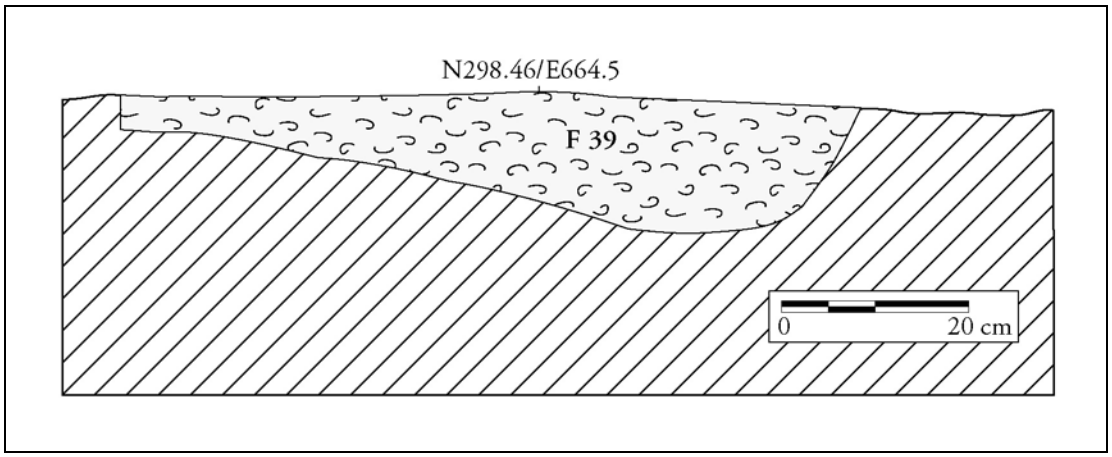
Artifacts:
2 Clay Tempered Ceramics (445-1,2)
2 Unidentified Ceramics
1 Early Stage Biface
28 Flakes
8 TAS

Ecofacts:
Charcoal Flecks

Description: Feature 39 was defined as an irregularly shaped area of soil darker in color containing a higher proportion of charcoal flecks than the surrounding E-horizon. Excavation revealed an irregular shallow profile of the main portion and the presence of root casts and trails emanating from the feature. The feature fill was looser and slightly sandier in texture than the E-horizon. The full extent of the disturbance was not delineated as portions continued south out of the test trench and work was halted.



Opening Planview at Base of A-Horizon



Profile Facing South

Feature 42

Location (Centerpoint):
N310 E673.15
Locus A non-block

Type:
B: Basin Not Typed

Morphology:
Plan: Partial, Linear
Profile: Shallow tapering

Dimensions: (excavated area)
Length: 13 cm
Width: 36 cm
Depth: 18 cm

Origin:
Base of Ap

Soil Classification:

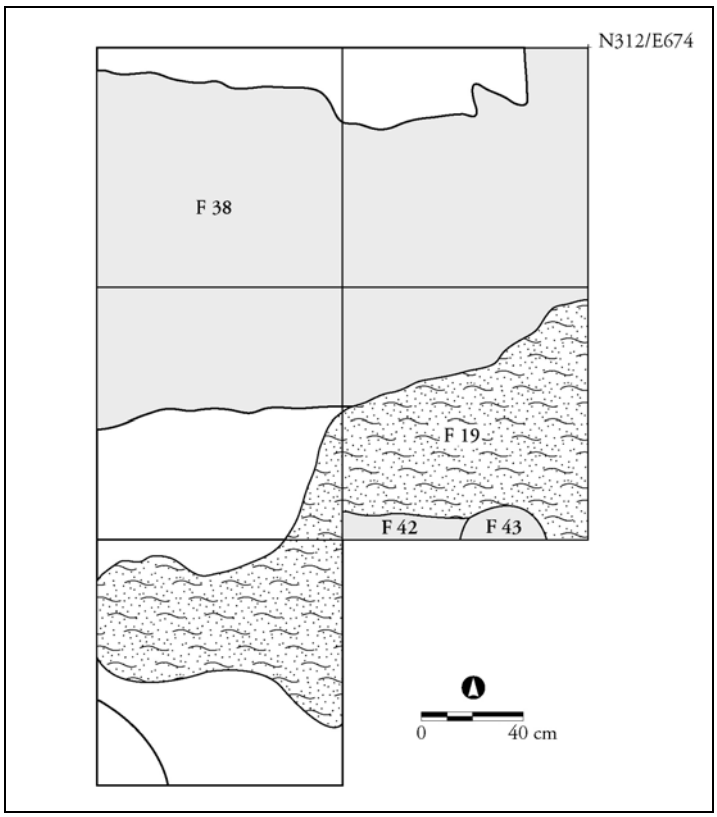
10 YR 5/6 Yellowish Brown mottled with 10 YR 4/3 Brown Sandy Loam

Radiocarbon Assay:
Not Dated

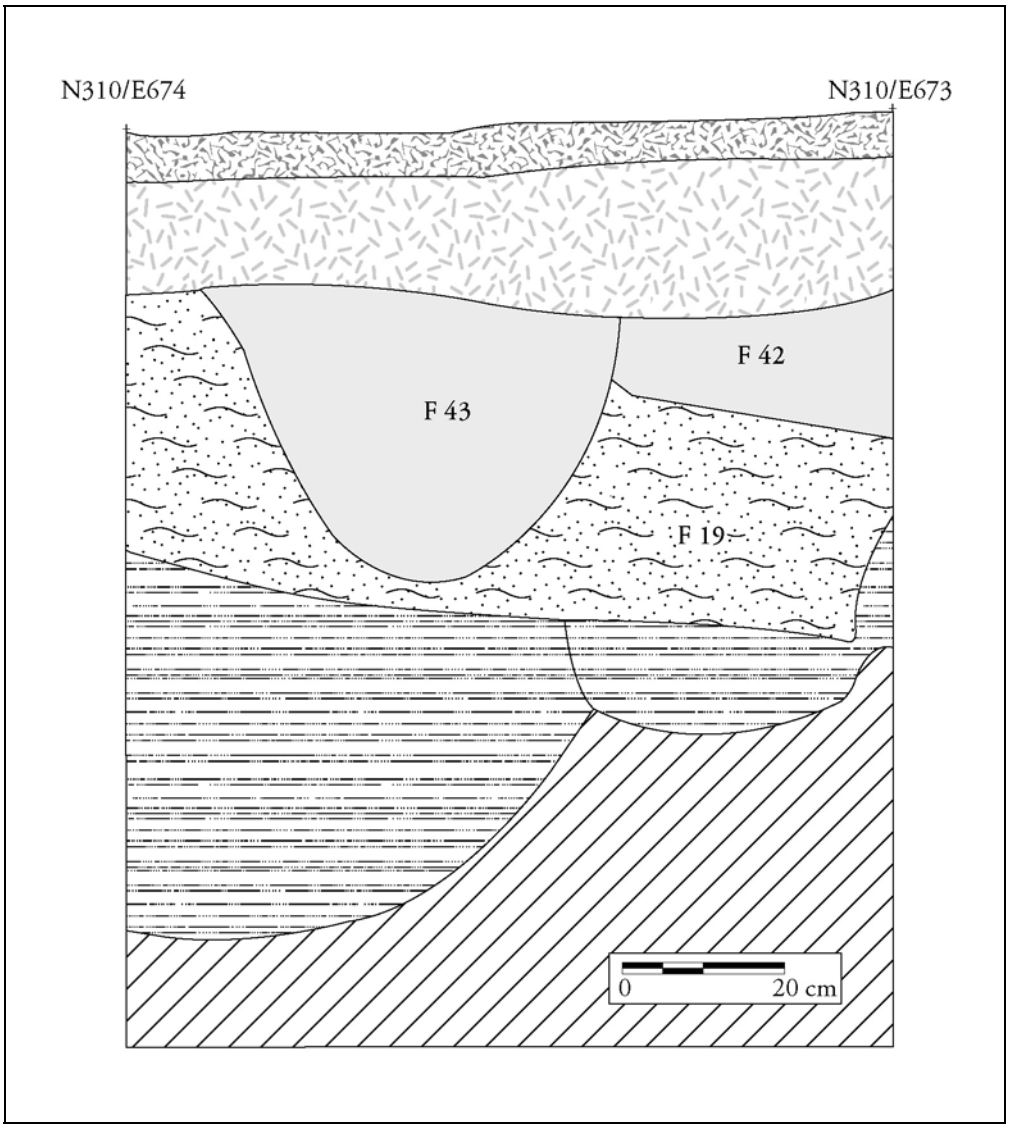
Artifacts:
No Cultural Material

Ecofacts:
Charcoal Flecks

Description: Feature 42 was only partially exposed and its full size remained undetermined. Examination of the excavated profile revealed that this component was a separate feature, which was truncated by Feature 19. In addition, the eastern edge was truncated by Feature 43. The intersection of these features made any planview identification difficult. Charcoal flecks were observed throughout the feature fill. The full limits were not delineated as unknown portions continued south out of the excavation block.



Final Planview



Profile Facing South

Feature 43

Location (Centerpoint):
N310 E673.65
Locus A non-block

Type:
B: Basin Not Typed

Morphology:
Plan: Partial, semi-ovoid
Profile: Parabolic Tapering

Dimensions: (excavated area)
Length: 15 cm
Width: 54 cm
Depth: 39 cm

Origin:
Base of Ap

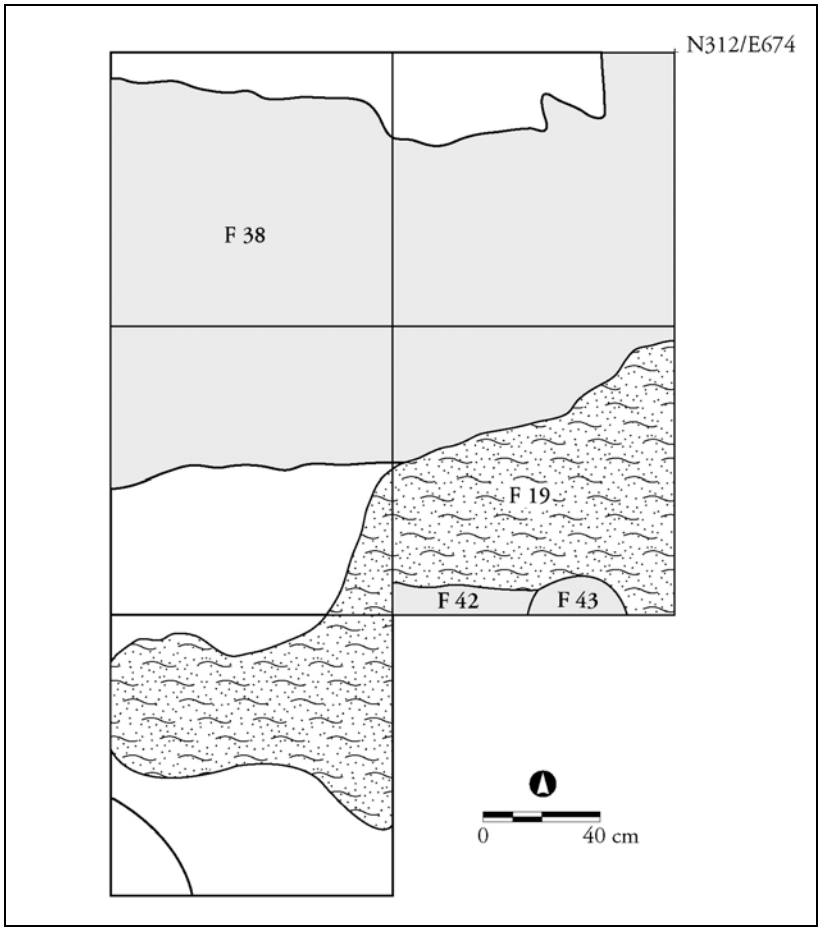
Soil Classification:
10 YR 5/6 Yellowish Brown mottled with 10 YR 4/3 Brown Sandy Loam

Radiocarbon Assay:
Not Dated

Artifacts:
1 Flake

Ecofacts:
Charcoal Flecks

Description: Feature 43 had an ovoid planview shape. Excavation revealed that Feature 19 truncated both Features 19 and 42. The feature profile showed smooth, regular walls and a rounded bottom. One small flake was recovered from Feature 43 Charcoal flecks were observed throughout. The full horizontal extent of the feature was not uncovered.



Final Planview