Report of the Skagafjörður Archaeological Settlement Survey 2009:

Coring and Test pits at Páfastaðir (59)

By John M. Steinberg, Rita S. Shepard, Emily L. Button, & Kathryn A. Catlin

With the help of
Amanda Schreiner, Ayshe Yeager, Brian Damiata, Christa Beranek, Dennis Piechota, Douglas Bolender, Gregory Bailey, Heather. Trigg Joanna Curtis, John Schoenfelder, Katharine Corwin, Katharine Johnson, Katherine Goldberg, Kelly Hale, Laura Ng, Marisa Patalano, Michael Way, Peter Gangemi, Robert de Picciotto, Robert Yeager, Rosie Taylor, Sam Mrozowski, Stephen Mrozowski, Susan Jacobucci, & Véronique Forbes

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Under the guidance of
Þór Hjaltalín, **Fornleifavernd ríkisins**

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Goals

The goal of the work at Páfastaðir (59) was straightforward. We used cores to identify any areas away from the farm mound that may be areas of early occupations. If any of these earlier occupations were identified, and were substantial, they would be targets for geophysics and further archaeological exploration. None of these areas were encountered at Páfastaðir. We also sought to date the earliest occupation of the visible farmmound by placing and excavating two 1x1 m test pit in the oldest parts of the midden.

Coring

Coring at Páfastaðir began on 7/2/2009 and went through 7/4/2009. Kathryn Catlin, Ayshe Yeager, Gregory Bailey, Katharine Corwin, Robert Yeager, and John Steinberg took the cores. We used a JMC backsaver core with two extensions if necessary. For deep midden exploration we sometimes used the N-3 handle, but mostly the standard backsaver handle. We employed the 18 in long 1.5 in wide JMC large diameter sampling tubes. The sample tube was cleaned between each sample and grass placed in the core hole between samples of the same core hole so as to distinguish loose soil fall from in situ deposits. Core locations were recorded with a sub-meter GPS in Real time. These coordinates were post-processed and those post-processed coordinates are the ones associated with the cores in this report. Tephra layers were recorded along with natural and cultural deposits and any inclusions.

We took 250 cores at Páfastaðir (Figure 1). Of these 30 were taken in 2008 but have not previously been reported on until now. The eastern edge of the coring grid contained bog deposits. In general tephra preservation was fair. Of the 250 cores taken some identifiable tephra was found in 169 of them (68%): 30 with 1776, 33 with 1300, 80 with H1, only 9 with 1000, and 70 with the LNL/LNS. Of those cores, there were six spots off the mound had cultural material (Figure 2). None of these locations could be confirmed to have midden under the 1104 tephra layer.

In order to locate the oldest part of the midden we took 39 cores around the farm mound (Figure 3). We wanted to identify the area where there was substantial midden under the 1000 tephra layer or midden deposits very close to the LNL (Figure 4). The cultural deposits on top of the area also had to be less than 3 m, as test pits become difficult after that depth. In general we first placed cores on a 10m grid. The spacing was then confined to identify the deepest part of the midden as well as the oldest part of the midden (close to the LNS). Almost no cores at Páfastaðir met those criteria, as the hillside was very steep. Several deep trenches into the midden made previously by the owner Sigurður Baldursson, demonstrated that the ash midden, was very deep. Even using his 2 m deep excavation for a deck into the midden, we could not reach the bottom with the N-3 handle and 2 extensions (a depth of 2.25 m). In one core we were just able to get the 1104 tephra at the maximum depth of the core. The midden at toward the center of the ash heap was, therefore, well over 4 m deep.

Initially we found an area that contained both the 1300 and the H3 tephra and decided to place the first test pit there. This pit (Area A) was not productive. We then took additional cores and

identified an area about 9 m north west of Area A where we identified the 1300, 1104 and possibly the 1000 where the midden would not be too deep. We placed our second more successful test pit there (Area B).

Test pits

Test pitting began 7/3/2009 and went through 7/13/2009. The test pits were excavated by Emily Button & Rita Shepard. Test pit A did not encounter any tephra below the 1300 layer. The midden did not appear to be coherent (Figure 5). Rather the pit suggested that parts of the midden had been subjected to alluvial forces (Figure 9). This was reinforced by Edda Skagafield, the previous occupant, who described several streams running through the turf house, and particularly the turf barn, so that the livestock had access to water year round. Two artifacts (a piece of copper and a piece of glass) were recovered from the very top (during initial excavation of the top of the test pit). Flotation samples were taken and a few of them have been processed.

Area B was productive, but complex (Figure 6). In general, the midden was varied in color and content in the layers and lenses in the upper levels above the 1300 tephra layer. The 1300 tephra layer was encountered is small bits about 1.5 m below the ground surface in context 117. Just below (5-10 cm) the 1300 were wisps of the 1104 tephra. Below the 1104 was a well-preserved 1000 tephra layer that rested on apparently sterile aeolian soil [120]. However, there were two, probably cryoturbated, deposits [118] within context 120 that were pink and had the look of midden. These were only observed in the profile, not while excavating. These two small deposits [118] were floated and analyzed and produced no charred seeds (but a large number of uncharred Caryophyllaceae) and very little charcoal in the heavy fraction. Therefore, these deposits, which would be the only evidence of pre 1000 occupation at Páfastaðir should probably be disregarded. The LNS layer is quite complex It looks as though an east-west water channel cut the H3 and earlier deposits causing a dramatic dip in the center of the profile (Figure 8). The LNS is surprisingly well preserved even through this dip (Figure 9). This dip is not evident in the north wall (Figure 10).

Floatation

Samples for flotation from all pre 1300 AD contexts were taken. Most samples from Páfastaðir were taken from the sidewalls and precautions were taken never to contaminate samples. Some flotation sample from Area A contexts have been analyzed (103 105 109). Area B contexts that were analyzed112,113, 115, 117, 118 and the LNS. In some cases, multiple samples from the same context were taken. If this occurred they were floated and analyzed separately.

Interpretation

Based on the spread of cores with midden under the 1104 tephra we estimate that in about 1104 the farmmound at Páfastaðir was about 2402 m^2 (the area under the H1 tephra). The test pit profile at Area B, the cores around the test pit suggest a post 1000, but very close to that tephra fall.. Therefore we estimate that the farm was founded in about 1010 AD. If this interpretation is correct, it would make Páfastaðir one of the last major farms to be established in Langholt.

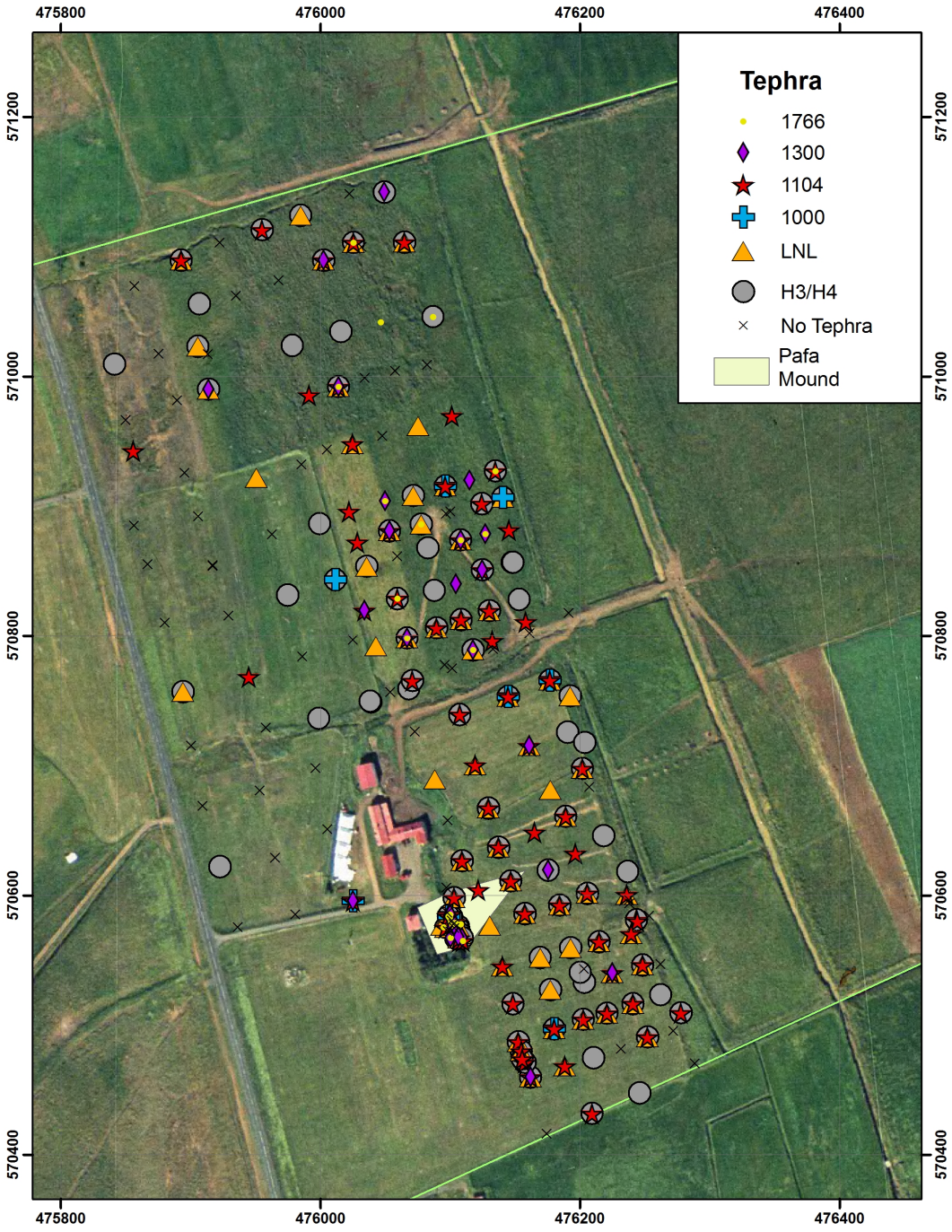

Figure 1. Tephra distribution.

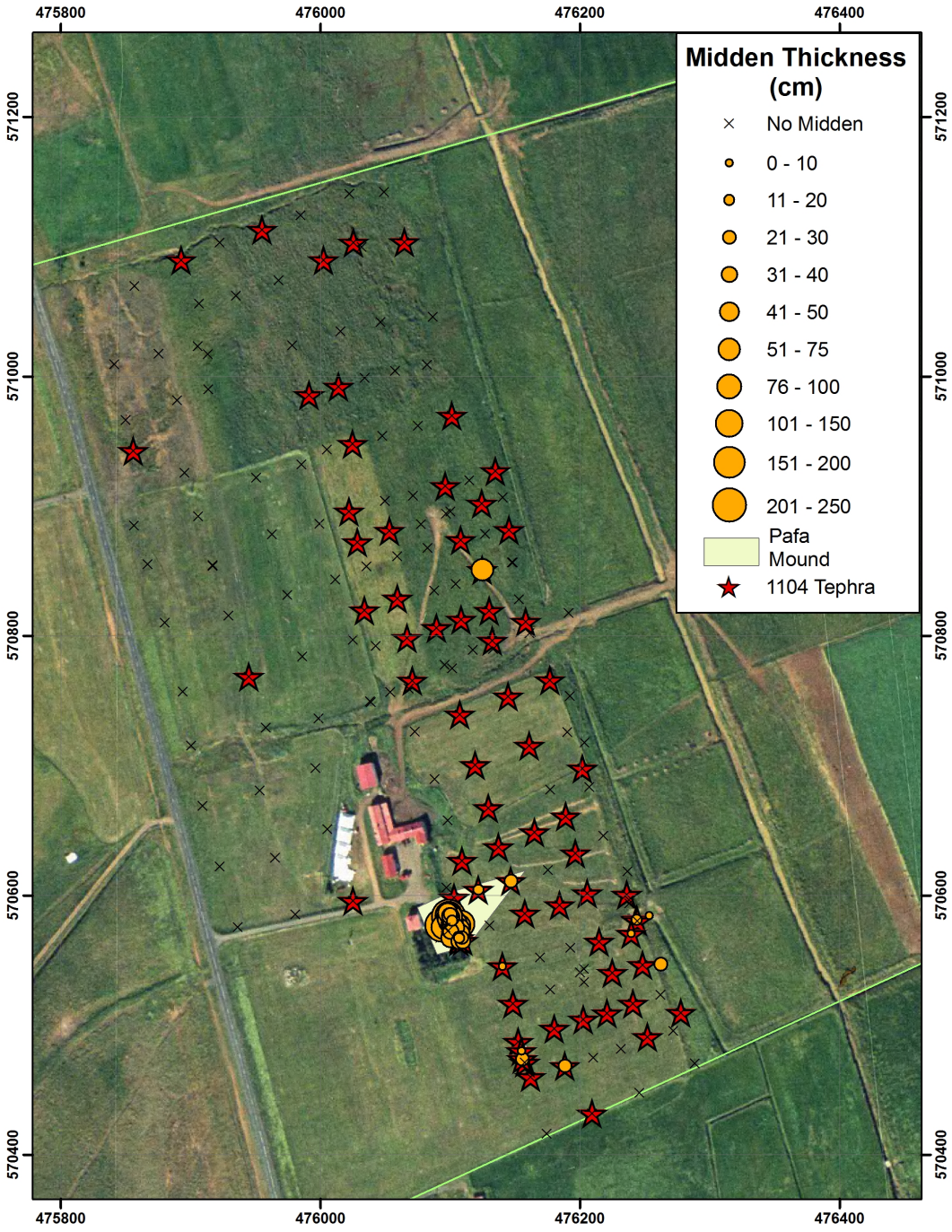

Figure 2. Distribution of midden.

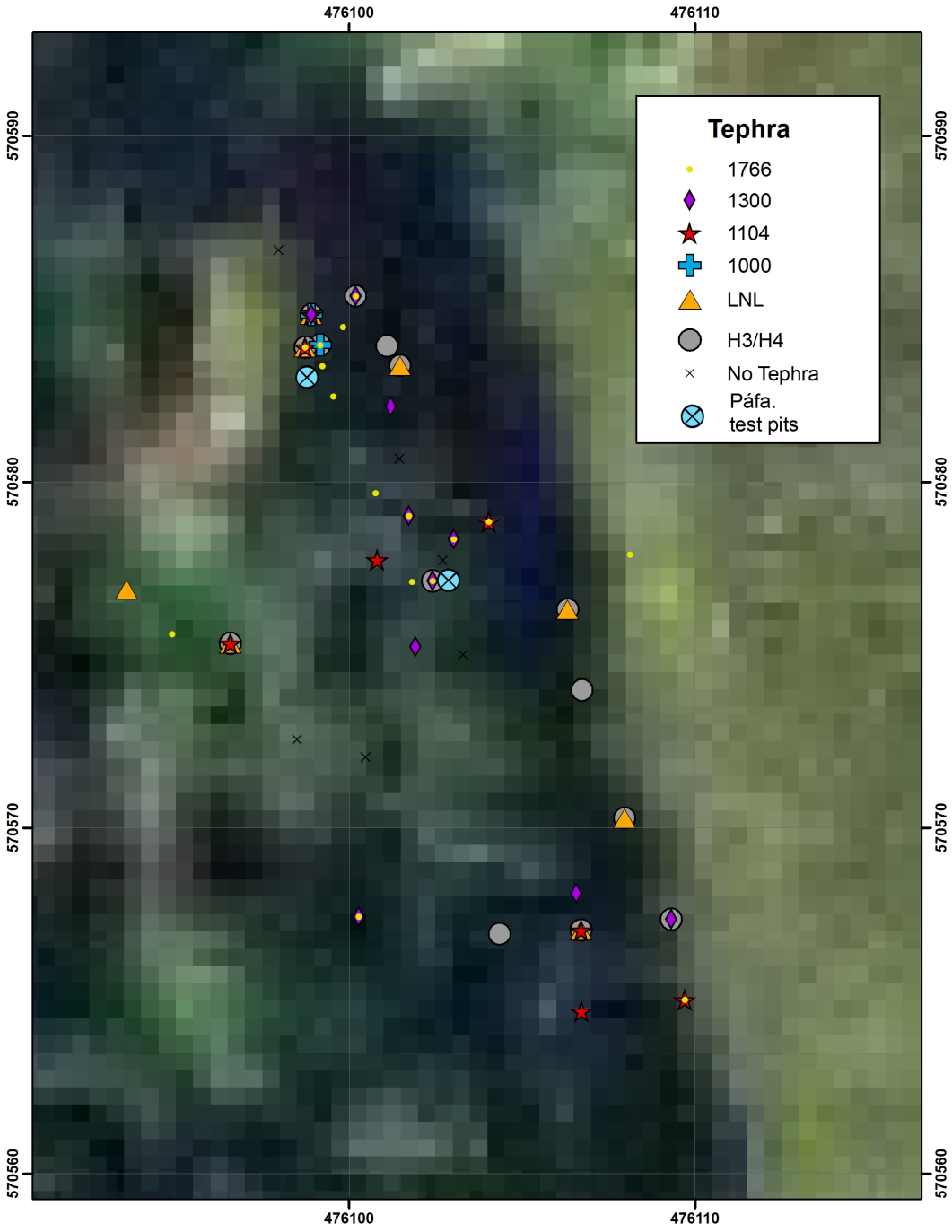

Figure 3. Distribution of tephra layers around farmmound.

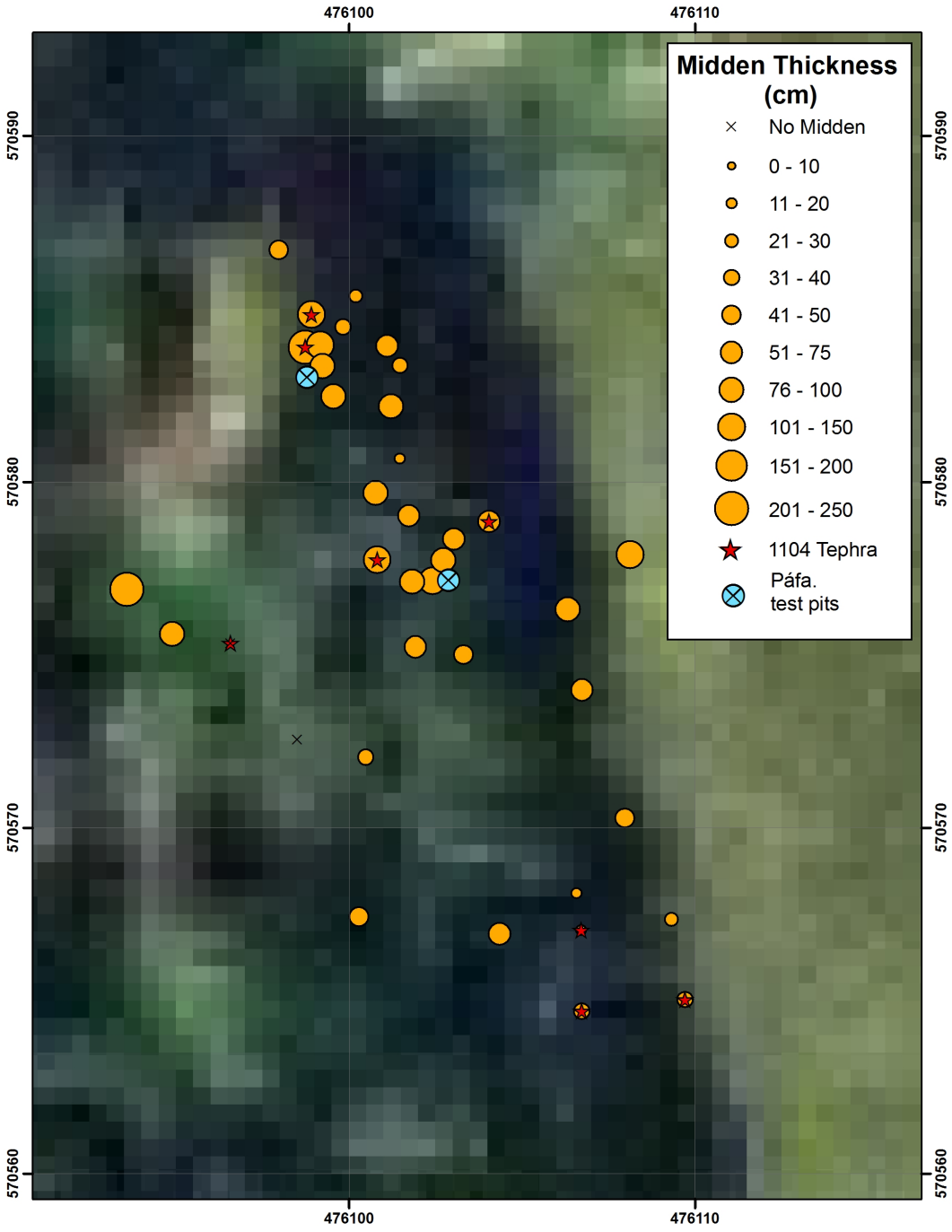

Figure 4. Distribution of midden around farmmound.

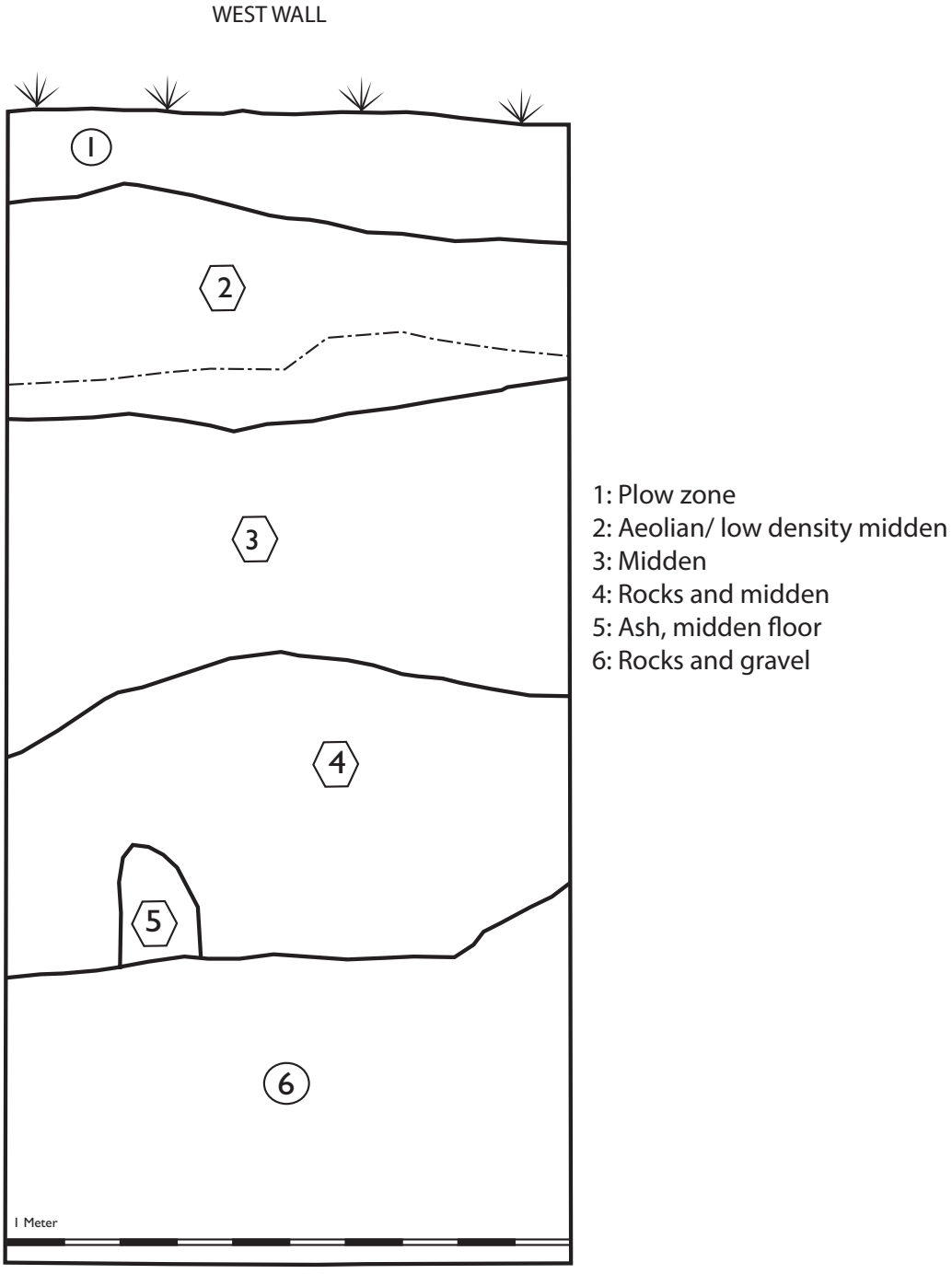

Figure 5. Profile of test pit Area A

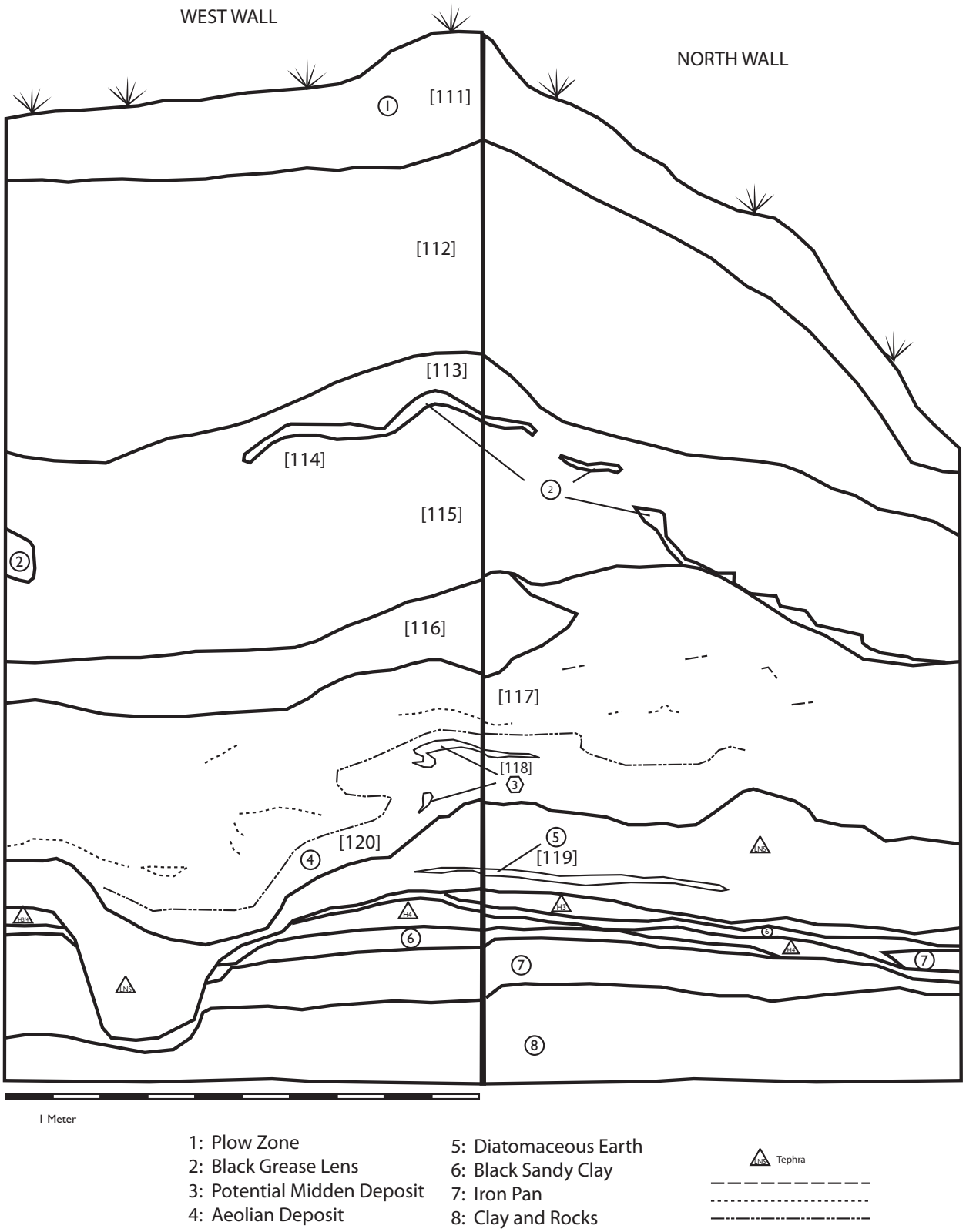

Figure 6. Profile of test pit Area B.

Figure 7. North wall test pit profile.

Figure 8. Plan during excavation of area B.

Figure 9. Area B west wall

Figure 10. Area B North wall

Site 59		Tephra Layer	Depth	East	North
Core	502			475986.116	570389.965
		H3	25		
Core	503			475972.256	570437.821
		H3	32		
Core	504			475958.972	570485.767
		1766	11		
		H3	20		
Core	505			475945.9	570534.656
		1300	30		
Core	510			475995.91	570545.329
		H1	22		
Core	513			476079.461	570483.332
		H3	58		
Core	514			476065.499	570530.385
		1300	30		
Core	516			476103.023	570491.468
		1300	28		
Core	517			476094.76	570528.749
		H3	48		
Core	532			476251.153	570551.161
		H3	55		
Core	1095			476025.079	570595.778
		1300	5		
		H1	8		
		1000	11		
Core	1099			475922.494	570622.317
		H3	42		
Core	1104			476103.156	570598.179
		H1	110		
		LNL	118		
		H3	137		
		H4	140		
Core	1106			476096.574	570575.331
		H1	110		
		LNL	118		
		H3	137		
		H4	140		
Core	1107			476104.047	570578.858
		1766	55		

Site 59		Tephra Layer	Depth	East	North
		H1	79		
Core	1108			476108.117	570577.904
		1766	15		
Core	1109			476106.311	570576.312
		LNL	72		
		H3	101		
Core	1110			476106.739	570573.99
		H3	95		
Core	1111			476107.969	570570.283
		LNL	60		
		H3	68		
		H4	70		
Core	1112			476093.583	570576.895
		LNL	205		
Core	1114			476100.769	570579.68
		1766	80		
Core	1115			476101.736	570579.02
		1766	35		
		1300	68		
Core	1116			476100.821	570577.747
		H1	95		
Core	1117			476102.416	570577.14
		1766	35		
		1300	80		
		H3	130		
		H4	135		
Core	1118			476103.034	570578.339
		1766	35		
		1300	75		
Core	1119			476101.924	570575.235
		1300	70		
Core	1121			476101.218	570582.182
		1300	80		
Core	1123			476101.823	570577.118
		1766	38		
Core	1125			476088.333	570689.489
		LNL	50		
Core	1126			476109.221	570626.823
		H1	55		

Site 59		Tephra Layer	Depth	East	North
		LNL	61		
		H3	70		
Core	1128			476129.375	570667.206
		H1	40		
		LNL	45		
		H3	54		
		H4	58		
Core	1129			476119.388	570700.455
		H1	35		
		LNL	55		
Core	1130			476107.423	570739.343
		H1	18		
		H3	66		
		H4	66		
Core	1131			476144.757	570753.447
		H1	22		
		H3	40		
		1000	35		
		LNL	38		
		H4	62		
Core	1132			476161.025	570715.352
		1300	55		
		H1	65		
		LNL	75		
Core	1133			476177.318	570681.426
		LNL	38		
Core	1134			476201.882	570697.752
		H1	35		
		LNL	40		
		unknown	60		
		H3	75		
Core	1135			476190.613	570726.053
		H3	50		
Core	1136			476176.923	570765.73
		H1	30		
		1000	35		
		LNL	40		
		H3	48		
Core	1138			476209.582	570431.801
		H1	15		

Site 59		Tephra Layer	Depth	East	North
		H3	35		
Core	1139			476245.898	570447.962
		H3	40		
Core	1141			476277.757	570509.316
		H1	80		
		H3	90		
Core	1144			476236.773	570618.408
		H3	56		
Core	1145			476243.518	570581.161
		H1	30		
		H3	120		
Core	1146			476244.224	570580.292
		H1	22		
Core	1149			476236.223	570600.521
		H1	60		
		LNL	76		
Core	1150			476218.268	570645.876
		H3	35		
Core	1152			476203.519	570717.774
		H3	80		
Core	1153			476192.436	570753.659
		LNL	50		
		H3	70		
Core	1158			476068.13	570759.366
		H3	52		
		H4	61		
Core	1160			476039.231	570748.926
		H3	45		
		H4	55		
Core	1165			476038.326	570749.445
		H3	45		
		H4	55		
Core	1167			476011.605	570843.411
		1000	23		
		H3	32		
		H4	40		
Core	1169			475998.853	570736.47
		H3	70		

Site 59		Tephra Layer	Depth	East	North
Core	1171			475945.046	570768.611
		H1	15		
Core	1174			475974.605	570831.595
		H3	28		
		H4	35		
Core	1179			475950.632	570921.975
		LNL	20		
Core	1180			475999.288	570886.386
		H3	36		
		H4	48		
Core	1185			475894.283	570756.96
		LNL	30		
		H3	36		
Core	1188			476042.826	570792.314
		LNL	50		
Core	1189			476034.141	570819.831
		1300	20		
		H1	28		
Core	1190			476070.895	570765.411
		H1	35		
		H3	40		
Core	1191			476066.949	570798.245
		1766	12		
		1300	25		
		H1	45		
		LNL	59		
		H3	75		
		H4	79		
Core	1192			476059.51	570828.997
		1766	18		
		H1	23		
		H3	28		
Core	1194			476087.761	570835.07
		H3	28		
Core	1195			476117.686	570789.151
		LNL	32		
		1300	28		
		H3	40		
		1766	22		

Site 59		Tephra Layer	Depth	East	North
Core	1196			476089.63	570806.07
		H1	25		
		LNL	35		
		H3	42		
		H4	50		
Core	1197			476104.494	570839.921
		1300	18		
Core	1198			476124.836	570850.909
		1300	25		
		H1	30		
		H3	42		
Core	1199			476132.654	570796.441
		H1	60		
Core	1200			476108.583	570812.495
		H1	35		
		LNL	40		
		H3	47		
		H4	50		
Core	1201			476147.801	570856.491
		H3	35		
Core	1202			476130.154	570819.476
		H1	12		
		LNL	17		
		H3	25		
		H4	33		
Core	1203			476158.25	570810.822
		H1	35		
Core	1204			476153.071	570828.05
		H3	15		
		H4	18		
Core	1205			476148.406	570856.707
		H3	35		
Core	1206			476145.323	570881.678
		H1	52		
Core	1207			476140.703	570906.814
		1000	45		
		LNL	48		
		H3	52		
		H4	5		

Site 59		Tephra Layer	Depth	East	North
Core	1208			476135.046	570926.915
		1766	21		
		H1	38		
		H3	55		
Core	1209			476115.012	570920.111
		1300	20		
		unknown	65		
Core	1210			476124.429	570901.917
		H1	10		
		H3	42		
		H4	45		
Core	1211			476096.238	570915.412
		H1	35		
		1000	42		
		LNL	50		
		H3	65		
Core	1213			476127.265	570878.779
		1766	35		
		1300	68		
Core	1214			476108.285	570873.748
		1766	15		
		1300	28		
		H1	55		
		LNL	65		
		H3	70		
		H4	72		
Core	1216			476082.775	570867.773
		H3	57		
		H4	60		
Core	1217			476077.85	570886.249
		1766	22		
		LNL	35		
		H3	40		
		H4	42		
Core	1218			476071.549	570908.166
		LNL	40		
		H3	50		
Core	1220			476053.208	570880.998
		1300	22		
		H1	25		

Site 59		Tephra Layer	Depth	East	North
		LNL	38		
		H3	40		
		H4	42		
Core	1221			476049.979	570904.184
		1766	25		
		1300	30		
Core	1222			476049.942	570904.181
		1766	25		
		1300	30		
Core	1223			476035.685	570853.499
		LNL	30		
		H3	35		
		H4	37		
		unknown	42		
Core	1224			476028.626	570872.261
		H1	12		
Core	1225			476022.135	570896.06
		H1	18		
Core	1227			475991.374	570985.641
		H1	25		
Core	1228			475978.397	571024.02
		H3	32		
		H4	36		
Core	1229			476015.71	571034.713
		H3	38		
Core	1230			476014.093	570992.143
		1766	15		
		1300	18		
		H1	49		
		LNL	80		
		H3	82		
		H4	84		
Core	1231			476024.841	570948.223
		H1	25		
		LNL	33		
Core	1232			476046.569	571041.717
		1766	18		
Core	1233			476086.81	571045.797
		1766	21		
		H3	68		

Site 59		Tephra Layer	Depth	East	North
		H4	74		
Core	1236			476075.226	570961.796
		LNL	27		
Core	1238			476101.402	570969.647
		H1	20		
Core	1240			476161.922	570459.959
		1300	15		
		H1	25		
		LNL	39		
		H3	49		
		H4	55		
Core	1241			476152.639	570486.992
		H1	38		
		LNL	68		
		H3	105		
Core	1242			476157.707	570471.154
		H1	38		
		H3	105		
Core	1243			476154.887	570479.956
		H1	28		
		LNL	60		
		H3	78		
Core	1244			476155.506	570473.907
		H1	20		
		H3	60		
		H4	70		
Core	1245			476188.521	570468.554
		H1	42		
		H3	65		
		H1	32		
		LNL	45		
Core	1246			476180.418	570497.407
		H1	32		
		1000	38		
		LNL	60		
		H3	75		
		H4	80		
Core	1247			476210.393	570475.029
		H3	28		
		H4	40		

Site 59		Tephra Layer	Depth	East	North
Core	1248			476202.724	570504.372
		H1	35		
		LNL	39		
		H3	42		
		H4	55		
Core	1249			476231.87	570481.816
		H3	16		
		H1	19		
Core	1250			476221.054	570509.197
		H1	31		
		LNL	35		
		H3	60		
		H4	68		
Core	1251			476252.126	570490.865
		H1	22		
		LNL	30		
		H3	55		
		H4	65		
Core	1252			476240.887	570516.591
		H1	20		
		LNL	35		
		H3	55		
		H4	65		
Core	1254			476262.351	570523.534
		H3	52		
Core	1255			476239.435	570570.611
		H1	25		
		LNL	72		
Core	1256			476248.357	570546.5
		H1	25		
		LNL	35		
		H3	50		
		H4	55		
Core	1257			476214.688	570564.343
		H1	25		
		LNL	62		
		H3	78		
Core	1258			476224.965	570540.291
		1300	45		
		H1	55		

Site 59		Tephra Layer	Depth	East	North
		LNL	56		
Core	1259			476203.237	570533.303
		H3	25		
		H4	31		
Core	1260			476192.942	570559.553
		LNL	50		
		H3	58		
		H4	68		
Core	1261			476177.244	570527.312
		LNL	28		
		H3	50		
		H4	55		
Core	1263			476200.449	570540.587
		H3	75		
		H4	79		
Core	1264			476169.507	570552.107
		LNL	28		
		H3	36		
		H4	51		
Core	1265			476140.473	570545.341
		H1	36		
		LNL	45		
Core	1266			476148.499	570516.524
		H1	52		
		H3	99		
		H4	100		
Core	1267			476130.439	570577.009
		LNL	75		
Core	1268			476121.64	570604.395
		H1	18		
Core	1269			476146.941	570611.161
		H1	38		
		LNL	55		
		H3	78		
		H4	82		
		H1	30		
Core	1270			476157.464	570585.909
		H1	36		
		LNL	65		
		H3	80		

Site 59		Tephra Layer	Depth	East	North
		H4	90		
Core	1271			476137.139	570637.148
		H1	22		
		LNL	30		
		H3	40		
Core	1272			476184.253	570592.473
		H1	35		
		LNL	42		
		H3	63		
		H4	72		
Core	1273			476175.554	570619.578
		1300	29		
		H3	55		
		H4	65		
Core	1274			476165.024	570648.776
		LNL	26		
		H1	32		
Core	1275			476189.087	570660.896
		H1	28		
		LNL	38		
		H3	45		
		H4	52		
Core	1276			476196.554	570632.464
		H1	22		
Core	1277			476205.761	570601.652
		H1	32		
		LNL	36		
		H3	38		
		H4	55		
Core	1278			476106.719	570564.706
		H1	56		
Core	1279			476106.711	570567.043
		H1	38		
		LNL	66		
		H3	78		
		H4	85		
Core	1280			476109.706	570565.039
		1766	35		
		H1	75		
		H1	82		

Site 59		Tephra Layer	Depth	East	North
		H1	101		
		H1	105		
Core	1281			476104.352	570566.935
		H3	75		
		H4	104		
Core	1282			476100.286	570567.438
		1766	45		
		1300	52		
Core	1285			476094.888	570575.605
		1766	112		
Core	1286			476109.308	570567.361
		1300	17		
		H3	68		
		H4	75		
Core	1287			476106.568	570568.106
		1300	35		
Core	1288			476099.545	570582.473
		1766	78		
Core	1289			476101.479	570583.366
		LNL	62		
		H3	75		
Core	1290			476098.913	570584.834
		1300	74		
		H1	112		
		1000	155		
		LNL	160		
		H3	167		
		H4	170		
Core	1291			476100.202	570585.37
		1766	38		
		1300	67		
		H3	83		
		H4	87		
Core	1293			476099.831	570584.477
		1766	48		
Core	1294			476099.173	570583.956
		1766	112		
		1000	165		
		H3	170		

Site 59		Tephra Layer	Depth	East	North
Core	1295			476101.096	570583.931
		H3	85		
		H4	87		
Core	1296			476098.73	570583.888
		1766	72		
		H1	118		
		LNL	223		
		H3	231		
Core	1297			476099.23	570583.345
		1766	78		
Core	1298			475855.821	570942.593
		H1	31		
Core	1300			475841.242	571009.332
		H3	25		
Core	1303			475913.917	570989.899
		1300	20		
		LNL	55		
		H3	70		
Core	1304			475905.738	571023.153
		LNL	30		
		H3	75		
		H4	80		
Core	1306			475906.728	571056.153
		H3	28		
		H4	35		
Core	1307			475892.754	571089.622
		H1	35		
		LNL	38		
		H3	40		
Core	1310			475955.064	571113.123
		H1	22		
		H3	35		
		H4	39		
Core	1313			475985.038	571124.166
		LNL	29		
		H3	34		
		H4	40		
Core	1314			476002.547	571089.666
		1300	8		
		H1	11		

Site 59		Tephra Layer	Depth	East	North
		LNL	15		
		H3	31		
		H4	35		
Core	1316			476025.535	571103.284
		1766	30		
		H1	40		
		LNL	70		
		H3	79		
		H4	99		
Core	1318			476049.139	571142.049
		1300	35		
		H3	75		
Core	1319			476064.692	571103.614
		H1	21		
		LNL	45		
		H3	55		
Core	4200			476200	570600
		H4	58		
Core	4201			476200	570650
		H3	90		

Site 59	description	top depth	bottom depth	Thickness
CORE 501	475999.807	570341.994		
	Top Soil	0	9	9
CORE 502	475986.116	570389.965		
	Plow Zone	0	25	25
CORE 503	475972.256	570437.821		
	Plow Zone	0	20	20
	Aeolian Deposit	20	32	12
	Aeolian Deposit	32	45	13
CORE 504	475958.972	570485.767		
	Plow Zone	0	35	35
	Aeolian Deposit	35	48	13
CORE 505	475945.9	570534.656		
	Plow Zone	0	22	22
	Aeolian Deposit	22	47	25
CORE 506	476045.247	570362.945		
	Plow Zone	0	29	29
CORE 507	476032.139	570410.221		
	Plow Zone	0	27	27
	Aeolian Deposit	27	30	3
	Gravel	30	31	1
CORE 508	476019.443	570458.165		
	Plow Zone	0	28	28
	Rock	28	29	1
CORE 509	476006.095	570506.699		
	Plow Zone	0	22	22
CORE 510	475995.91	570545.329		
	Plow Zone	0	13	13
	Aeolian Deposit	13	40	27
CORE 511	476094.42	570384.59		
	Plow Zone	0	22	22
	Aeolian Deposit	22	50	28
	Gravel	50	51	1
CORE 512	476084.023	570432.994		
	Plow Zone	0	10	10
	Rock	10	11	1

Site 59	description	top depth	bottom depth	Thickness
CORE 513	476079.461	570483.332		
	Turf	0	21	21
	Disturbed	21	38	17
	Aeolian Deposit	38	48	10
CORE 514	476065.499	570530.385		
	Plow Zone	0	13	13
	Midden	13	40	27
CORE 515	476113.328	570446.831		
	Plow Zone	0	15	15
	Aeolian Deposit	15	24	9
	Aeolian Deposit	24	28	4
	Rock	28	29	1
CORE 516	476103.023	570491.468		
	Plow Zone	0	15	15
	Aeolian Deposit	15	28	13
	Aeolian Deposit	28	40	12
CORE 517	476094.76	570528.749		
	Plow Zone	0	17	17
	Aeolian Deposit	17	32	15
	Turf	32	47	15
	Aeolian Deposit	47	80	33
CORE 528	476250.102	570450.184		
	Plow Zone	0	10	10
	Silt	10	30	20
	Iron Pan	30	40	10
CORE 529	476280.31	570465.942		
	Plow Zone	0	50	50
	Tan Clay	50	80	30
CORE 530	476251.601	570499.469		
	Plow Zone	0	20	20
	Sand	20	40	20
	Turf	40	50	10
	Tan Clay	50	55	5
CORE 531	476296.138	570478.838		
	Bog	0	20	20

Site 59	description	top depth	bottom depth	Thickness
CORE 532	476251.153	570551.161		
	Plow Zone	0	55	55
	Clay	55	85	30
CORE 534	476200.785	570551.216		
	Plow Zone	0	47	47
	Aeolian Deposit	47	54	7
	Sand	54	60	6
	Gray Clay	60	80	20
CORE 1095	476025.079	570595.778		
	Plow Zone	0	5	5
	Bog	5	35	30
	Rock	35	35	0
CORE 1096	475936.345	570575.452		
	Plow Zone	0	18	18
	Aeolian Deposit	18	40	22
CORE 1097	475980.734	570585.378		
	Plow Zone	0	15	15
	Rock	15	15	0
CORE 1098	475965.35	570629.076		
	Plow Zone	0	12	12
	Aeolian Deposit	12	22	10
	Gravel	22	32	10
	Rock	32	32	0
CORE 1099	475922.494	570622.317		
	Plow Zone	0	25	25
	Aeolian Deposit	25	65	40
CORE 1100	475909.333	570668.893		
	Plow Zone	0	20	20
	Aeolian Deposit	20	40	20
	Clay	40	80	40
CORE 1101	475953.489	570680.94		
	Plow Zone	0	9	9
	Gravel	9	12	3
	Rock	12	12	0
CORE 1102	475996.372	570698.207		
	Plow Zone	0	15	15

Site 59	description	top depth	bottom depth	Thickness
	Aeolian Deposit	15	20	5
	Gravel	20	40	20
CORE	1103	476005.676	570650.937	
	Plow Zone	0	30	30
	Aeolian Deposit	30	40	10
CORE	1104	476103.156	570598.179	
	Bulldozed	0	100	100
	Aeolian Deposit	100	160	60
CORE	1105	476097.23	570606.096	
		0		0
CORE	1106	476096.574	570575.331	
	Bulldozed	0	140	140
	Aeolian Deposit	140	160	20
CORE	1107	476104.047	570578.858	
	Bulldozed	0	30	30
	Aeolian Deposit	30	40	10
	Midden	40	110	70
CORE	1108	476108.117	570577.904	
	Top Soil	0	10	10
	Midden	10	108	98
	River Sand	108	111	3
	Diatoms	111	115	4
	Midden	115	123	8
	Rock	123	123	0
CORE	1109	476106.311	570576.312	
	Plow Zone	0	10	10
	Midden	10	40	30
	Low Density Cultural	40	100	60
	Iron Pan	100	120	20
CORE	1110	476106.739	570573.99	
	Top Soil	0	10	10
	Low Density Cultural	10	40	30
	Midden	40	80	40
	Iron Pan	80	85	5
	Aeolian Deposit	85	110	25
	Iron Pan	110	120	10

Site 59	description	top depth	bottom depth	Thickness
CORE 1111	476107.969	570570.283		
	Top Soil	0	10	10
	Low Density Cultural	10	60	50
	Aeolian Deposit	60	80	20
CORE 1112	476093.583	570576.895		
	Midden	0	210	210
	Rock	210	210	0
CORE 1113	476101.466	570580.673		
	Plow Zone	0	20	20
	Midden	20	40	20
	Rock	40	40	0
CORE 1114	476100.769	570579.68		
	Midden	0	95	95
	Aeolian Deposit	95	105	10
	Iron Pan	105	110	5
CORE 1115	476101.736	570579.02		
	Plow Zone	0	28	28
	Midden	28	85	57
	Rock	85	85	0
CORE 1116	476100.821	570577.747		
	Plow Zone	0	5	5
	Midden	5	120	115
CORE 1117	476102.416	570577.14		
	Plow Zone	0	5	5
	Midden	5	100	95
	Iron Pan	100	110	10
	Midden	110	128	18
	Aeolian Deposit	128	140	12
	Gravel	140	160	20
CORE 1118	476103.034	570578.339		
	Plow Zone	0	15	15
	Midden	15	90	75
CORE 1119	476101.924	570575.235		
	Plow Zone	0	10	10
	Midden	10	85	75

Site 59	description	top depth	bottom depth	Thickness
CORE 1120	476103.311	570575		
	Plow Zone	0	35	35
	Midden	35	80	45
	Rock	80	80	0
CORE 1121	476101.218	570582.182		
	Plow Zone	0	5	5
	Midden	5	90	85
	Rock	90	90	0
CORE 1122	476102.717	570577.734		
	Plow Zone	0	15	15
	Midden	15	100	85
	Iron Pan	100	110	10
	Gravel	110	120	10
CORE 1123	476101.823	570577.118		
	Midden	0	100	100
	Rock	100	100	0
CORE 1124	476072.862	570726.294		
	Midden	0	100	100
CORE 1125	476088.333	570689.489		
	Top Soil	0	30	30
	Aeolian Deposit	30	70	40
CORE 1126	476109.221	570626.823		
	Plow Zone	0	28	28
	Aeolian Deposit	28	70	42
CORE 1127	476098.249	570657.969		
	Gravel	0		0
CORE 1128	476129.375	570667.206		
	Plow Zone	0	21	21
	Aeolian Deposit	21	65	44
CORE 1129	476119.388	570700.455		
	Plow Zone	0	30	30
	Aeolian Deposit	30	65	35
	Gravel	65	70	5
CORE 1130	476107.423	570739.343		
	Plow Zone	0	10	10
	Aeolian Deposit	10	20	10

Site 59	description	top depth	bottom depth	Thickness
	Bog	20	30	10
	Aeolian Deposit	30	35	5
	Gravel	35	48	13
	Aeolian Deposit	48	60	12
	Gravel	60	68	8
	Iron Pan	68	80	12
CORE	1131	476144.757	570753.447	
	Plow Zone	0	5	5
	Bog	5	22	17
	Iron Pan	22	80	58
CORE	1132	476161.025	570715.352	
	Plow Zone	0	18	18
	Aeolian Deposit	18	80	62
CORE	1133	476177.318	570681.426	
	Plow Zone	0	25	25
	Aeolian Deposit	25	40	15
	Rock	40	40	0
CORE	1134	476201.882	570697.752	
	Plow Zone	0	18	18
	Aeolian Deposit	18	80	62
CORE	1135	476190.613	570726.053	
	Plow Zone	0	20	20
	Aeolian Deposit	20	35	15
	Bog	35	80	45
CORE	1136	476176.923	570765.73	
	Plow Zone	0	30	30
	Aeolian Deposit	30	43	13
	Bog	43	80	37
CORE	1137	476174.442	570416.193	
	Plow Zone	0	15	15
	Aeolian Deposit	15	27	12
	Rock	27	27	0
CORE	1138	476209.582	570431.801	
	Plow Zone	0	15	15
	Aeolian Deposit	15	40	25
CORE	1139	476245.898	570447.962	
	Plow Zone	0	10	10

Site 59	description	top depth	bottom depth	Thickness
	Aeolian Deposit	10	40	30
CORE	1140	476288.555	570470.475	
	Plow Zone	0	20	20
	Aeolian Deposit	20	30	10
	Bog	30	70	40
CORE	1141	476277.757	570509.316	
	Bog	0	80	80
	Sand	80	100	20
CORE	1142	476262.262	570547.222	
	Top Soil	0	10	10
	Midden	10	40	30
	Turf	40	50	10
	Clay	50	60	10
CORE	1143	476253.295	570584.421	
	Plow Zone	0	20	20
	Low Density Cultural	20	28	8
	Aeolian Deposit	28	40	12
CORE	1144	476236.773	570618.408	
	Plow Zone	0	12	12
	Aeolian Deposit	12	58	46
	Bog	58	80	22
CORE	1145	476243.518	570581.161	
	Plow Zone	0	20	20
	Midden	20	40	20
	Bog	40	120	80
CORE	1146	476244.224	570580.292	
	Plow Zone	0	15	15
	Aeolian Deposit	15	30	15
	Bog	30	50	20
CORE	1147	476238.298	570593.93	
	Plow Zone	0	18	18
	Aeolian Deposit	18	22	4
	Rock	22	22	0
CORE	1148	476237.721	570596.408	
	Plow Zone	0	15	15
	Aeolian Deposit	15	30	15

Site 59	description	top depth	bottom depth	Thickness
CORE 1149	476236.223	570600.521		
	Plow Zone	0	20	20
	Aeolian Deposit	20	80	60
CORE 1150	476218.268	570645.876		
	Plow Zone	0	35	35
	Aeolian Deposit	35	40	5
CORE 1151	476207.471	570683.607		
	Plow Zone	0	16	16
	Aeolian Deposit	16	55	39
CORE 1152	476203.519	570717.774		
	Top Soil	0	30	30
	Bog	30	80	50
CORE 1153	476192.436	570753.659		
	Plow Zone	0	8	8
	Bog	8	80	72
CORE 1154	476191.541	570817.54		
	Plow Zone	0	5	5
	Bog	5	15	10
	Gravel	15	30	15
CORE 1155	476161.38	570802.014		
	Plow Zone	0	20	20
	Aeolian Deposit	20	40	20
CORE 1156	476133.189	570789.837		
	Plow Zone	0	5	5
	Aeolian Deposit	5	40	35
	Bog	40	64	24
	Clay	64	66	2
CORE 1157	476101.62	570774.849		
	Plow Zone	0	12	12
	Gravel	12	22	10
CORE 1158	476068.13	570759.366		
	Plow Zone	0	25	25
	Aeolian Deposit	25	80	55
CORE 1160	476039.231	570748.926		
	Plow Zone	0	20	20
	Aeolian Deposit	20	80	60

Site 59	description	top depth	bottom depth	Thickness
CORE	1161	475958.086	570729.371	
	Plow Zone	0	10	10
	Aeolian Deposit	10	60	50
CORE	1165	476038.326	570749.445	
	Plow Zone	0	20	20
	Aeolian Deposit	20	80	60
CORE	1166	476025.104	570797.04	
	Plow Zone	0	40	40
CORE	1167	476011.605	570843.411	
	Plow Zone	0	20	20
	Iron Pan	20	31	11
	Sand	31	35	4
	Aeolian Deposit	35	65	30
	Clay	65	80	15
	Iron Pan	80	85	5
CORE	1168	475986.401	570784.131	
	Plow Zone	0	20	20
	Aeolian Deposit	20	40	20
	Rock	40	40	0
CORE	1169	475998.853	570736.47	
	Plow Zone	0	30	30
	Aeolian Deposit	30	80	50
CORE	1171	475945.046	570768.611	
	Plow Zone	0	10	10
	Aeolian Deposit	10	40	30
CORE	1172	475929.508	570815.732	
	Plow Zone	0	5	5
	Aeolian Deposit	5	35	30
	Rock	35	35	0
CORE	1173	475917.253	570853.928	
	Rock	0	0	0
CORE	1174	475974.605	570831.595	
	Plow Zone	0	21	21
	Bog	21	40	19
CORE	1175	475963.003	570878.428	
	Plow Zone	0	20	20

Site 59	description	top depth	bottom depth	Thickness
	Aeolian Deposit	20	40	20
CORE	1176	475917.203	570854.484	
	Rock	0	0	0
CORE	1177	475905.978	570892.277	
	Plow Zone	0	10	10
	Aeolian Deposit	10	20	10
	Bog	20	30	10
	Rock	30	30	0
CORE	1178	475895.316	570925.594	
	Rock	0		0
CORE	1179	475950.632	570921.975	
	Plow Zone	0	20	20
	Aeolian Deposit	20	35	15
	Bog	35	40	5
CORE	1180	475999.288	570886.386	
	Plow Zone	0	15	15
	Iron Pan	15	22	7
	Aeolian Deposit	22	58	36
	Iron Pan	58	60	2
CORE	1181	475985.657	570932.292	
	Plow Zone	0	15	15
	Aeolian Deposit	15	30	15
CORE	1182	475856.62	570884.929	
	Rock	0	0	0
CORE	1183	475867.131	570855.139	
	Rock	0		0
CORE	1184	475880.249	570810.2	
	Rock	0		0
CORE	1185	475894.283	570756.96	
	Plow Zone	0	5	5
	Aeolian Deposit	5	38	33
	Bog	38	40	2
CORE	1186	475900.728	570715.381	
	Plow Zone	0	25	25
	Gravel	25	30	5

Site 59	description	top depth	bottom depth	Thickness
CORE 1187	476053.885	570756.824		
	Plow Zone	0	20	20
	Rock	20	20	0
CORE 1188	476042.826	570792.314		
	Plow Zone	0	13	13
	Aeolian Deposit	13	60	47
	Rock	60	60	0
CORE 1189	476034.141	570819.831		
	Aeolian Deposit	0	80	80
CORE 1190	476070.895	570765.411		
	Plow Zone	0	20	20
	Aeolian Deposit	20	40	20
CORE 1191	476066.949	570798.245		
	Plow Zone	0	10	10
	Aeolian Deposit	10	30	20
	Bog	30	45	15
	Aeolian Deposit	45	70	25
	Sand	70	80	10
CORE 1192	476059.51	570828.997		
	Plow Zone	0	15	15
	Aeolian Deposit	15	55	40
	Bog	55	65	10
CORE 1193	476095.889	570777.866		
	Plow Zone	0	8	8
	Bog	8	25	17
	Rock	25	25	0
CORE 1194	476087.761	570835.07		
	Plow Zone	0	15	15
	Aeolian Deposit	15	42	27
	Rock	42	42	0
CORE 1195	476117.686	570789.151		
	Plow Zone	0	10	10
	Bog	10	20	10
	Aeolian Deposit	40	50	10
	Iron Pan	20	28	8
	Bog	28	40	12

Site 59	description	top depth	bottom depth	Thickness
CORE 1196	476089.63	570806.07		
	Plow Zone	0	21	21
	Aeolian Deposit	21	35	14
	Bog	35	43	8
	Aeolian Deposit	43	58	15
	Diatoms	58	65	7
	Gravel	65	73	8
	Bog	73	76	3
	Iron Pan	76	80	4
CORE 1197	476104.494	570839.921		
	Plow Zone	0	20	20
	Bog	20	30	10
	Aeolian Deposit	30	45	15
	Rock	45	45	0
CORE 1198	476124.836	570850.909		
	Plow Zone	0	12	12
	Midden	12	80	68
CORE 1199	476132.654	570796.441		
	Plow Zone	0	17	17
	Aeolian Deposit	17	30	13
	Bog	30	40	10
	Aeolian Deposit	40	55	15
	Clay	70	80	10
	Iron Pan	55	56	1
	Bog	56	70	14
CORE 1200	476108.583	570812.495		
	Plow Zone	0	15	15
	Gravel	15	18	3
	Bog	18	25	7
	Aeolian Deposit	25	40	15
	Iron Pan	40	58	18
	Rock	58	58	0
CORE 1201	476147.801	570856.491		
	Bulldozed	0	30	30
	Aeolian Deposit	30	42	12
	Bog	42	55	13
	Rock	55	55	0

Site 59	description	top depth	bottom depth	Thickness
CORE	1202	476130.154	570819.476	
	Plow Zone	0	11	11
	Aeolian Deposit	11	40	29
CORE	1203	476158.25	570810.822	
	Plow Zone	0	22	22
	Aeolian Deposit	22	50	28
	Clay	50	60	10
CORE	1204	476153.071	570828.05	
	Plow Zone	0	12	12
	Aeolian Deposit	12	35	23
	Clay	35	40	5
	Aeolian Deposit	40	50	10
	River Sand	50	70	20
CORE	1205	476148.406	570856.707	
	Bulldozed	0	30	30
	Aeolian Deposit	30	42	12
	Bog	42	55	13
	Rock	55	55	0
CORE	1206	476145.323	570881.678	
	Plow Zone	0	12	12
	Aeolian Deposit	12	40	28
	Bog	40	52	12
CORE	1207	476140.703	570906.814	
	Plow Zone	0	18	18
	Aeolian Deposit	18	30	12
	Iron Pan	30	32	2
	Aeolian Deposit	32	55	23
	Clay	55	68	13
	Iron Pan	68	70	2
	Rock	70	70	0
CORE	1208	476135.046	570926.915	
	Top Soil	0	25	25
	Bog	25	80	55
CORE	1209	476115.012	570920.111	
	Top Soil	0	10	10
	Aeolian Deposit	10	60	50
	Rock	82	82	0

Site 59	description	top depth	bottom depth	Thickness
	Bog	60	82	22
CORE	1210	476124.429	570901.917	
	Plow Zone	0	10	10
	Aeolian Deposit	10	52	42
	Iron Pan	52	53	1
CORE	1211	476096.238	570915.412	
	Top Soil	0	22	22
	Aeolian Deposit	22	50	28
	Bog	50	72	22
	Sand	72	80	8
CORE	1212	476097.006	570894.164	
	Plow Zone	0	9	9
	Gravel	9	13	4
	Rock	13	13	0
CORE	1213	476127.265	570878.779	
	Plow Zone	0	20	20
	Aeolian Deposit	20	80	60
CORE	1214	476108.285	570873.748	
	Plow Zone	0	10	10
	Aeolian Deposit	10	80	70
CORE	1215	476100.313	570895.946	
	Plow Zone	0	11	11
	Iron Pan	11	20	9
	Aeolian Deposit	20	27	7
	Buried Humic	27	33	6
CORE	1216	476082.775	570867.773	
	Plow Zone	0	20	20
	Aeolian Deposit	20	60	40
CORE	1217	476077.85	570886.249	
	Plow Zone	0	10	10
	Turf	10	16	6
	Aeolian Deposit	16	40	24
CORE	1218	476071.549	570908.166	
	Plow Zone	0	18	18
	Aeolian Deposit	18	35	17
	Bog	35	80	45

Site 59	description	top depth	bottom depth	Thickness
CORE 1219	476059.24	570861.412		
	Plow Zone	0	15	15
	Aeolian Deposit	15	30	15
	Rock	30	30	0
CORE 1220	476053.208	570880.998		
	Plow Zone	0	10	10
	Aeolian Deposit	10	35	25
	Iron Pan	35	41	6
	Gravel	41	44	3
	Iron Pan	44	64	20
	Bog	64	70	6
	Clay	70	75	5
	Rock	75	75	0
CORE 1221	476049.979	570904.184		
	Top Soil	0	10	10
	Aeolian Deposit	10	35	25
	Iron Pan	35	40	5
CORE 1222	476049.942	570904.181		
	Top Soil	0	10	10
	Aeolian Deposit	10	35	25
	Iron Pan	35	40	5
CORE 1223	476035.685	570853.499		
	Plow Zone	0	12	12
	Aeolian Deposit	12	41	29
	Iron Pan	41	50	9
CORE 1224	476028.626	570872.261		
	Plow Zone	0	10	10
	Bog	10	18	8
	Iron Pan	18	22	4
	Diatoms	22	30	8
	Iron Pan	30	42	12
	Rock	42	42	0
CORE 1225	476022.135	570896.06		
	Top Soil	0	18	18
	Aeolian Deposit	18	45	27
	Iron Pan	45	60	15

Site 59	description	top depth	bottom depth	Thickness
CORE 1226	476005.279	570943.797		
	Plow Zone	0	15	15
	Aeolian Deposit	15	30	15
	Iron Pan	30	38	8
	Rock	38	40	2
CORE 1227	475991.374	570985.641		
	Plow Zone	0	12	12
	Aeolian Deposit	12	20	8
	Bog	20	30	10
	Iron Pan	30	35	5
	Rock	35	35	0
CORE 1228	475978.397	571024.02		
	Top Soil	0	10	10
	Aeolian Deposit	10	43	33
	Rock	43	43	0
CORE 1229	476015.71	571034.713		
	Top Soil	0	10	10
	Bog	10	55	45
	Sand	55	64	9
	Clay	64	80	16
	Rock	80	80	0
CORE 1230	476014.093	570992.143		
	Plow Zone	0	10	10
	Aeolian Deposit	10	85	75
	Iron Pan	85	87	2
	Rock	87	87	0
CORE 1231	476024.841	570948.223		
	Plow Zone	0	15	15
	Aeolian Deposit	15	40	25
	Rock	40	40	0
CORE 1232	476046.569	571041.717		
	Top Soil	0	10	10
	Bog	10	30	20
	Sand	30	42	12
	Rock	42	42	0
CORE 1233	476086.81	571045.797		
	Bog	0	80	80

Site 59	description	top depth	bottom depth	Thickness
CORE 1234	476034.254	570998.801		
	Plow Zone	0	15	15
	Iron Pan	15	15	0
	Aeolian Deposit	15	35	20
	Rock	35	35	0
CORE 1235	476047.845	570954.096		
	Plow Zone	0	15	15
	Aeolian Deposit	15	40	25
CORE 1236	476075.226	570961.796		
	Plow Zone	0	20	20
	Aeolian Deposit	20	40	20
	Bog	40	60	20
CORE 1237	476057.714	571004.326		
	Plow Zone	0	10	10
	Aeolian Deposit	10	15	5
	Clay	15	20	5
	Aeolian Deposit	20	30	10
	Iron Pan	30	35	5
	Clay	35	40	5
	Rock	40	40	0
CORE 1238	476101.402	570969.647		
	Plow Zone	0	15	15
	Aeolian Deposit	15	55	40
	Rock	55	55	0
CORE 1239	476082.281	571008.971		
	Plow Zone	0	15	15
	Bog	15	32	17
	Iron Pan	32	33	1
	Rock	33	33	0
CORE 1240	476161.922	570459.959		
	Plow Zone	0	12	12
	Aeolian Deposit	12	60	48
	Iron Pan	60	75	15
CORE 1241	476152.639	570486.992		
	Plow Zone	0	22	22
	Aeolian Deposit	22	68	46
	Sand	68	120	52

Site 59	description	top depth	bottom depth	Thickness
CORE 1242	476157.707	570471.154		
	Plow Zone	0	20	20
	Aeolian Deposit	20	51	31
	Turf	51	75	24
	Turf	75	95	20
	Iron Pan	95	120	25
CORE 1243	476154.887	570479.956		
	Plow Zone	0	18	18
	Aeolian Deposit	18	34	16
	Midden	34	42	8
	Aeolian Deposit	42	80	38
CORE 1244	476155.506	570473.907		
	Plow Zone	0	18	18
	Low Density Cultural	18	40	22
	Turf	40	50	10
	Aeolian Deposit	50	80	30
CORE 1245	476188.521	570468.554		
	Plow Zone	0	22	22
	Low Density Cultural	22	45	23
	Turf	45	70	25
	Rock	70	80	10
CORE 1246	476180.418	570497.407		
	Plow Zone	0	30	30
	Aeolian Deposit	30	60	30
	Iron Pan	60	70	10
	Bog	70	80	10
CORE 1247	476210.393	570475.029		
	Plow Zone	0	20	20
	Aeolian Deposit	20	50	30
	Iron Pan	50	60	10
CORE 1248	476202.724	570504.372		
	Plow Zone	0	29	29
	Aeolian Deposit	29	60	31
	Iron Pan	60	70	10
	Aeolian Deposit	70	78	8
	Iron Pan	78	80	2

Site 59	description	top depth	bottom depth	Thickness
CORE 1249	476231.87	570481.816		
	Plow Zone	0	15	15
	Turf	15	29	14
	Aeolian Deposit	29	58	29
	Rock	58	58	0
CORE 1250	476221.054	570509.197		
	Plow Zone	0	25	25
	Aeolian Deposit	25	55	30
	Bog	55	70	15
	Iron Pan	70	80	10
CORE 1251	476252.126	570490.865		
	Plow Zone	0	15	15
	Aeolian Deposit	15	80	65
CORE 1252	476240.887	570516.591		
	Plow Zone	0	20	20
	Aeolian Deposit	20	55	35
	Iron Pan	55	60	5
	Aeolian Deposit	60	80	20
CORE 1253	476271.96	570495.704		
	Plow Zone	0	15	15
	Aeolian Deposit	15	45	30
	Rock	45	45	0
CORE 1254	476262.351	570523.534		
	Plow Zone	0	20	20
	Bog	20	35	15
	Aeolian Deposit	35	60	25
	Iron Pan	60	65	5
CORE 1255	476239.435	570570.611		
	Plow Zone	0	18	18
	Aeolian Deposit	18	27	9
	Midden	27	30	3
	Aeolian Deposit	30	52	22
	Iron Pan	52	57	5
	Aeolian Deposit	57	80	23
CORE 1256	476248.357	570546.5		
	Plow Zone	0	18	18
	Aeolian Deposit	18	80	62

Site 59	description	top depth	bottom depth	Thickness
CORE 1257	476214.688	570564.343		
	Plow Zone	0	20	20
	Aeolian Deposit	20	80	60
CORE 1258	476224.965	570540.291		
	Plow Zone	0	15	15
	Aeolian Deposit	15	55	40
	Iron Pan	55	56	1
	Rock	68	68	0
	Aeolian Deposit	56	68	12
CORE 1259	476203.237	570533.303		
	Plow Zone	0	20	20
	Aeolian Deposit	20	38	18
	Diatoms	38	39	1
	Aeolian Deposit	39	50	11
	Iron Pan	50	60	10
CORE 1260	476192.942	570559.553		
	Plow Zone	0	18	18
	Aeolian Deposit	18	80	62
CORE 1261	476177.244	570527.312		
	Plow Zone	0	17	17
	Aeolian Deposit	17	80	63
CORE 1262	476203.292	570543.354		
	Plow Zone	0	20	20
	Aeolian Deposit	30	40	10
	Rock	40	40	0
	Turf	20	30	10
CORE 1263	476200.449	570540.587		
	Plow Zone	0	20	20
	Aeolian Deposit	35	80	45
	Iron Pan	80	90	10
	Turf	20	35	15
CORE 1264	476169.507	570552.107		
	Plow Zone	0	15	15
	Aeolian Deposit	15	52	37
	Iron Pan	52	60	8
CORE 1265	476140.473	570545.341		
	Plow Zone	0	12	12

Site 59	description	top depth	bottom depth	Thickness
	Aeolian Deposit	12	25	13
	Low Density Cultural	25	25	0
	Aeolian Deposit	25	80	55
CORE	1266	476148.499	570516.524	
	Plow Zone	0	28	28
	Aeolian Deposit	28	52	24
	Iron Pan	52	62	10
	Aeolian Deposit	62	89	27
	Bog	89	110	21
CORE	1267	476130.439	570577.009	
	Plow Zone	0	40	40
	Aeolian Deposit	70	120	50
	Bulldozed	40	70	30
CORE	1268	476121.64	570604.395	
	Plow Zone	0	17	17
	Low Density Cultural	17	35	18
	Aeolian Deposit	35	50	15
	Rock	50	50	0
CORE	1269	476146.941	570611.161	
	Plow Zone	0	22	22
	Turf	22	38	16
	Low Density Cultural	38	60	22
	Iron Pan	60	70	10
	Aeolian Deposit	70	120	50
CORE	1270	476157.464	570585.909	
	Plow Zone	0	24	24
	Aeolian Deposit	24	120	96
CORE	1271	476137.139	570637.148	
	Plow Zone	0	15	15
	Aeolian Deposit	15	80	65
CORE	1272	476184.253	570592.473	
	Plow Zone	0	20	20
	Aeolian Deposit	20	80	60
CORE	1273	476175.554	570619.578	
	Plow Zone	0	25	25
	Aeolian Deposit	25	42	17
	Iron Pan	42	80	38

Site 59	description	top depth	bottom depth	Thickness
CORE 1274	476165.024	570648.776		
	Plow Zone	0	25	25
	Turf	25	31	6
	Aeolian Deposit	31	40	9
	Rock	40	40	0
CORE 1275	476189.087	570660.896		
	Plow Zone	0	20	20
	Aeolian Deposit	20	80	60
CORE 1276	476196.554	570632.464		
	Plow Zone	0	20	20
	Aeolian Deposit	20	42	22
	Rock	42	42	0
CORE 1277	476205.761	570601.652		
	Plow Zone	0	23	23
	Aeolian Deposit	23	80	57
CORE 1278	476106.719	570564.706		
	Plow Zone	0	30	30
	Midden	30	40	10
	Low Density Cultural	40	63	23
	Aeolian Deposit	63	80	17
CORE 1279	476106.711	570567.043		
	Plow Zone	0	20	20
	Low Density Cultural	20	35	15
	Aeolian Deposit	35	120	85
CORE 1280	476109.706	570565.039		
	Plow Zone	0	18	18
	Aeolian Deposit	18	52	34
	Low Density Cultural	60	70	10
	Turf	70	105	35
	Midden	105	120	15
	Midden	52	60	8
CORE 1281	476104.352	570566.935		
	Midden	0	67	67
	Aeolian Deposit	67	104	37
CORE 1282	476100.286	570567.438		
	Plow Zone	0	25	25
	Midden	25	68	43

Site 59	description	top depth	bottom depth	Thickness
	Rock	68	68	0
CORE	1283	476100.484	570572.047	
	Bulldozed	0	32	32
	Midden	32	69	37
	Rock	69	69	0
CORE	1284	476098.503	570572.553	
	Bulldozed	0	32	32
	Rock	32	32	0
CORE	1285	476094.888	570575.605	
	Plow Zone	0	20	20
	Midden	20	118	98
	Rock	118	118	0
CORE	1286	476109.308	570567.361	
	Plow Zone	0	18	18
	Aeolian Deposit	18	35	17
	Low Density Cultural	35	50	15
	Midden	50	62	12
	Aeolian Deposit	62	75	13
	Iron Pan	75	80	5
CORE	1287	476106.568	570568.106	
	Plow Zone	0	25	25
	Midden	25	45	20
	Rock	45	45	0
CORE	1288	476099.545	570582.473	
	Midden	0	80	80
CORE	1289	476101.479	570583.366	
	Plow Zone	0	18	18
	Midden	18	58	40
	Aeolian Deposit	58	80	22
CORE	1290	476098.913	570584.834	
	Plow Zone	0	13	13
	Midden	13	155	142
	Aeolian Deposit	155	180	25
CORE	1291	476100.202	570585.37	
	Plow Zone	0	10	10
	Midden	10	32	22
	Aeolian Deposit	32	88	56

Site 59	description	top depth	bottom depth	Thickness
	Iron Pan	88	102	14
	Aeolian Deposit	102	120	18
CORE	1292	476097.978	570586.7	
	Plow Zone	0	30	30
	Midden	30	73	43
	Rock	73	73	0
CORE	1293	476099.831	570584.477	
	Plow Zone	0	20	20
	Midden	20	60	40
CORE	1294	476099.173	570583.956	
	Plow Zone	0	20	20
	Midden	20	160	140
	Aeolian Deposit	160	186	26
CORE	1295	476101.096	570583.931	
	Plow Zone	0	15	15
	Midden	15	42	27
	Low Density Cultural	42	70	28
	Aeolian Deposit	70	120	50
CORE	1296	476098.73	570583.888	
	Plow Zone	0	15	15
	Midden	15	223	208
	Aeolian Deposit	223	240	17
CORE	1297	476099.23	570583.345	
	Plow Zone	0	5	5
	Midden	5	95	90
	Rock	95	95	0
CORE	1298	475855.821	570942.593	
	Plow Zone	0	10	10
	Aeolian Deposit	10	25	15
	Turf	25	28	3
	Aeolian Deposit	28	40	12
	Iron Pan	40	50	10
	Rock	50	50	0
CORE	1299	475850.028	570966.404	
	Aeolian Deposit	0	35	35
	Iron Pan	35	48	13
	Rock	48	48	0

Site 59	description	top depth	bottom depth	Thickness
CORE 1300	475841.242	571009.332		
	Top Soil	0	25	25
	Aeolian Deposit	25	40	15
CORE 1301	475875.578	571017.439		
	Rock	0	0	0
CORE 1302	475889.622	570981.64		
	Aeolian Deposit	0	18	18
	Rock	18	18	0
CORE 1303	475913.917	570989.899		
	Plow Zone	0	10	10
	Aeolian Deposit	10	40	30
	Iron Pan	40	55	15
	Aeolian Deposit	55	80	25
CORE 1304	475905.738	571023.153		
	Top Soil	0	11	11
	Aeolian Deposit	11	80	69
CORE 1305	475913.49	571017.243		
	Bog	0	40	40
CORE 1306	475906.728	571056.153		
	Plow Zone	0	10	10
	Turf	10	20	10
	Aeolian Deposit	20	35	15
	Iron Pan	35	40	5
CORE 1307	475892.754	571089.622		
	Top Soil	0	23	23
	Aeolian Deposit	23	40	17
CORE 1308	475856.977	571069.669		
	Deflated	0	40	40
CORE 1309	475935.08	571062.038		
	Plow Zone	0	22	22
	Rock	22	22	0
CORE 1310	475955.064	571113.123		
	Top Soil	0	12	12
	Aeolian Deposit	12	40	28

Site 59	description	top depth	bottom depth	Thickness
CORE 1311	475922.737	571103.199		
	Top Soil	0	5	5
	Aeolian Deposit	5	50	45
	Rock	50	50	0
CORE 1312	475967.821	571073.993		
	Plow Zone	0	15	15
	Turf	15	25	10
	Aeolian Deposit	25	42	17
	Rock	42	42	0
CORE 1313	475985.038	571124.166		
	Top Soil	0	10	10
	Aeolian Deposit	10	40	30
CORE 1314	476002.547	571089.666		
	Plow Zone	0	5	5
	Aeolian Deposit	5	52	47
	Rock	52	52	0
CORE 1315	476032.063	571099.827		
	Bog	0	22	22
	Iron Pan	22	40	18
	Rock	40	40	0
CORE 1316	476025.535	571103.284		
	Top Soil	0	10	10
	Aeolian Deposit	10	45	35
	Bog	45	120	75
CORE 1317	476022.459	571140.91		
	Aeolian Deposit	0	27	27
	Iron Pan	27	35	8
	Bog	35	40	5
CORE 1318	476049.139	571142.049		
	River Sand	0	11	11
	Aeolian Deposit	11	80	69
CORE 1319	476064.692	571103.614		
	Plow Zone	0	12	12
	Aeolian Deposit	12	60	48
	Rock	60	60	0

Site 59	description		top depth		bottom depth	Thickness
CORE	4200	476200		570600		
	Plow Zone		0		50	50
	Natural Turf		50		58	8
	Clay		58		60	2
CORE	4201	476200		570650		
	Plow Zone		0		60	60
	Aeolian Deposit		60		80	20
	Clay		80		90	10
	Aeolian Deposit		90		95	5
	Natural Turf		95		100	5

SASS 2009

Site 59 **DATE** 7/08/2009

Sample 3 [103] **AREA** A

Vol 2 **Light Fraction grams** 2.52 **Heavy Fraction grams** 69.42

Analysist AA **Date Analized** 10/27/2009

Other present: Insect: 1

Content	%
Bone	5
Charcoal	5
Dung	10
Rock	75

Midden above 1766

Family		Count	Charred
Cyperaceae		13	Yes
Cyperaceae		5	
Caryophyllaceae		7	Yes
Poaceae		10	Yes
Violaceae	Viola	1	
Umbelliferae		1	
Unidentified		2	Yes

Sample 4 [105] **AREA** A

Vol 2 **Light Fraction grams** 3.17 **Heavy Fraction grams** 149.08

Analysist AAllard **Date Analized** 10/27/2009

Other present: bird bone and slag

Content	%
Bone	10
Charcoal	5
Rock	80

Midden between 1766 and 1300

Family	Count	Charred
Cyperaceae	5	
Cyperaceae	1	Yes
Caryophyllaceae	4	
Caryophyllaceae	2	Yes
Poaceae	16	Yes
Unidentified	1	

SASS 2009

Site 59 **DATE** 7/08/2009

Sample 5 [105] **AREA** A

Vol 2 **Light Fraction grams** 0.84 **Heavy Fraction grams** 597.37

Analysist AA **Date Analized** 10/29/2009

Other present: Rock category includes possible slag

Content	%
Bone	10
Rock	85

Midden below 1300

Family		Count	Charred
Cyperaceae		1	Yes
Caryophyllaceae		4	Yes
Ericaceae	Empetrum	1	Yes
Undetermined		1	

Sample 6 [109] **AREA** A

Vol 2 **Light Fraction grams** 0.07 **Heavy Fraction grams** 202.32

Analysist AA **Date Analized** 10/29/2009

Other present:

Content	%
Bone	5
Rock	90

Concentrated ash layer

Family		Count	Charred
Caryophyllaceae		12	Yes
Poaceae	Wild	3	Yes

SASS 2009

Site 59 **DATE** 7/13/2009

Sample 11 [112] **AREA** B

Vol 2 **Light Fraction grams** 15.72 **Heavy Fraction grams** 147.85

Analysist AA **Date Analized** 10/29/2009

Other present: Insect Parts: 2

3 pieces of glass; Sheep/Goat molar

Content	%
Bone	35
Charcoal	15
Dung	10
Rock	35

wood ash midden

Family		Count	Charred
Cyperaceae		20	Yes
Cyperaceae		16	
Caryophyllaceae		31	Yes
Caryophyllaceae		1	
Poaceae	Wild	39	Yes
Ericaceae	Empetrum	2	
Violaceae	Viola	1	Yes
Violaceae	Viola	5	
Rosaceae	Rubus	1	
Unidentified		2	Yes

Sample 12 [113] **AREA** B

Vol 2 **Light Fraction grams** 39.93 **Heavy Fraction grams** 177.18

Analysist AA **Date Analized** 10/29/2009

Other present: Violaceae: C.f.

Insect parts: 1 (not charred)

Heavy fraction: Burnt dung: big chunks; rock category includes big chunks of possible slag; piece of cloth (charred)

Content	%
Bone	10
Charcoal	5
Dung	40
Rock	40

peat ash midden

Family		Count	Charred
Cyperaceae		21	Yes
Cyperaceae		35	
Caryophyllaceae		20	Yes
Caryophyllaceae		14	
Poaceae		55	Yes
Portulacaceae	Portulaca	3	
Violaceae	Viola	1	Yes
Violaceae	Viola	13	

SASS 2009

Site 59 **DATE** 7/13/2009

Ericaceae	Empetrum	1	Yes
Ericaceae	Empetrum	1	
Unidentified		2	Yes

Sample 13 [115] **AREA** B

Vol 2 **Light Fraction grams** 9.89 **Heavy Fraction grams** 214.74

Analysist AA **Date Analized** 11/3/2009

Other present: Stellaria: count estimated; stopped collecting at 500

Trifolium and Viola: C.f.

Insect Parts: 1

Piece of cloth (charred)

HF: Rock category includes possible slag

Content	**%**
Bone	10
Charcoal	5
Dung	20
Rock	60

high density midden

Family		**Count**	**Charred**
Cyperaceae		253	
Caryophyllaceae	Stellaria	1000	
Poaceae	Wild	1	
Portulacaceae	Portulaca	1	
Ericaceae	Empetrum	1	
Fabaceae	Trifolium	4	
Violaceae	Viola	1	

Sample 14 [117] **AREA** B

Vol 2 **Light Fraction grams** 1.15 **Heavy Fraction grams** 66.06

Analysist AA **Date Analized** 11/5/2009

Other present: Insect parts: 23

Violaceae: C.f

Sheep/Goat talus (bone)

Content	**%**
Bone	10
Charcoal	5
Dung	20
Rock	60

low density midden above 1300

Family		**Count**	**Charred**
Cyperaceae		2	
Caryophyllaceae		106	
Caryophyllaceae		2	Yes
Violaceae	Viola	2	
Ericaceae	Empetrum	1	Yes

SASS 2009

Site 59 **DATE** 7/13/2009

Sample 15 [117] **AREA** B

Vol 2 **Light Fraction grams** 0.22 **Heavy Fraction grams** 4.38

Analysist AA **Date Analized** 11/5/2009

Other present: uncharred Caryo: highly fragmented

Content	%
Bone	40
Charcoal	5
Rock	40

low density midden between 1300 & 1104

Family		Count	Charred
Caryophyllaceae		1	Yes
Caryophyllaceae		8	

Sample 16 [117] **AREA** B

Vol 2 **Light Fraction grams** 0.3 **Heavy Fraction grams** 62.26

Analysist AA **Date Analized** 11/5/2009

Other present: Sheep/Goat tooth

Content	%
Bone	25
Charcoal	25
Rock	40

low density midden above 1104

Family		Count	Charred
Caryophyllaceae		11	Yes
Caryophyllaceae		200	
Poaceae		11	Yes
Violaceae	Viola	47	

SASS 2009

Site 59 **DATE** 7/13/2009

Sample 17 [118] **AREA** B

Vol 2 **Light Fraction grams** 1.16 **Heavy Fraction grams** 6.45

Analysist AA **Date Analized** 11/10/2009

Other present: Silene highly fragmented

Content	%
Bone	5
Charcoal	5
Rock	85

midden within 1000/'thufur"

Family		Count	Charred
Caryophyllaceae	Silene	338	

Sample 18 [LNS] **AREA** B

Vol 2 **Light Fraction grams** 0.81 **Heavy Fraction grams** 5.71

Analysist AA **Date Analized** 11/10/2009

Other present: Red dirt with wood impressions?

Content	%
Bone	1
Rock	95

landnam sequence, little to no midde

Family		Count	Charred
Caryophyllaceae	Silene	9	

SITE	FIND	AREA	CONTEXT
59		A	.85

MATERIAL TYPE	OBJECT TYPE	DESCRIPTION	ATTENTION

DATE	ID	UNIQUE_ID	Conservation Date	Conservator
7/4/2009		59A.849999999999999	7/15/2009	Gregory Bailey

Material Characteristics

Copper fitting and 4 associated fragments, found 0.85m below the surface, under the 1766 tephra layer, fitting with raised, rectangular center, octagonal lip around ½ of the outside, 16 x 12 x 4mm, 0.5g; 4 fragments, 2- 7mm. Found in NE corner, 0.85m below surface, below 1766 tephra

Condition

Dirt and corrosion present on all surfaces. Objects are extremely brittle, solid metal core may not be present as break edges show corrosion products all the way through.

Storage Location

SASS Other Sites 2009 Box Metals Container

Treatment

Cleaned mechanically with soft hair bristle brush. Placed in 2.5 ml sample vial and returned to original artifact bag for temporary storage.

Storage Recommendations

Other Notes

Image

SITE	FIND	AREA	CONTEXT
59		A	1.3

MATERIAL TYPE	OBJECT TYPE	DESCRIPTION	ATTENTION

DATE	ID	UNIQUE_ID	Conservation Date	Conservator
7/6/2009		59A1.30000000000000	7/8/2009	Gregory Bailey

Material Characteristics	Condition	Storage Location	Treatment
Clear glass, curved, found 1.3m below the surface, possibly underneath the 1300 tephra layer, 22 x 9 x 2mm, 0.5g. Found 1.3m below surface, below 1300 tephra (?)	Dirt on all surfaces, surface of glass pitted.	SASS Other Sites 2009 Box	Cleaned mechanically with bamboo skewer and soft hair bristle brush. Washed with deionized water rolled on cotton swabs. Placed in 2.5 ml vial and returned to original artifact bag.

Storage Recommendations

Other Notes

Image