APPENDIX D GEOARCHAEOLOGY

Appendix D lists the results of physical and chemical characterizations of the geoarchaeological samples collected from the Hickory Bluff Site. It includes three tables, each of which are organized by sample catalog number. Table D.1 shows general information concerning the locations, depths, and soil horizon and feature associations for each sample. Table D.2 shows the results of textural and sedimentological analyses. Table D.3 shows the results of organic matter (OM) content, pH, and geochemical analyses. Explanations for column headers are given as endnotes in each of the tables.

Figures D.1 through D.12 are a series of scatterplot diagrams illustrating the relationships of element abundances between fine-grained components (silt+clay), OM and pH.

Figures D.13 through D.23 are a series of frequency histograms showing the variability of element abundances within different soil horizon and feature sediments.

Figures D.24 through D.27 are Locus I maps depicting contours based on chemistry, texture and OM content.

Figures D.28 through D.30 are Locus A Maps depicting contours based on chemistry, texture and OM content.

Figure D.31 are Locus A maps comparing textural and chemical distributions with contours of artifactual content.

Table D.1 Locations and General information for Hickory Bluff Geoarchaeology Samples

Catalog Number[1]	Unit number[2]	Sample top (cm bs)[3]	Sample base (cm bs)[3]	Soil horizon[4]	Feature number	Feature type[5]
HB-01	370\641	10	16	A		
HB-02	370\641	26	35	E		
HB-03	370\641	45	50	EB	1	large basin
HB-04	370\641	55	60	Bt	1	large basin
HB-05	370\641	70	75	Bt		
HB-06	370\642	60	65	Bt	1	large basin
HB-07	370\642	110	115	Bt	1	large basin
HB-08	370\643	45	50	Bt	1	large basin
HB-09	370\644	2	8	A		
HB-10	370\644	21	26	E		
HB-11	370\644	33	37	EB	1	large basin
HB-12	370\644	45	46	Bt	1	large basin
HB-13	370\644	62	66	Bt		
HB-14	370\648	15	20	A		
HB-15	370\648	30	37	E		
HB-16	370\648	45	52	BE		
HB-17	370\648	63	70	Bt		
HB-18	370\654	5	15	A		
HB-20	370\654	17	22	E		
HB-21	370\654	37	42	BE	2	large basin
HB-22	370\654	46	50	Bt	2	large basin
HB-23	370\655	5	12	Ap		
HB-24	370\655	18	24	E		
HB-25	370\655	45	52	EB	2	large basin
HB-26	370\655	70	77	E/B	2	large basin
HB-27	370\655	94	99	E/B	2	large basin
HB-28	370\655	115	120	Bt	2	large basin
HB-29	370\655	142	156	Cox		
HB-30	370\656	10	15	Ap		
HB-31	370\656	22	30	E		
HB-32	370\656	42	47	BE	2	large basin
HB-33	370\656	47	51	Bt	2	large basin
HB-34	337\689	5	10	A		
HB-35	337\689	15	21	Ap		
HB-36	337\689	35	41	E		
HB-37	337\689	47	52	BE		
HB-38	337\689	62	67	Bt		
HB-39	337\689	81	86	Bt		
HB-40	337\689	100	105	BC		
HB-41	337\689	145	150	Cox		

Table D.1 Locations and General information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog Number[1]	Unit number[2]	Sample top (cm bs)[3]	Sample base (cm bs)[3]	Soil horizon[4]	Feature number	Feature type[5]
HB-42	335\737	15	20	Ap		
HB-43	335\737	29	35	E		
HB-44	335\737	45	50	Bt		
HB-45	371\655	40	45	Bt	2	large basin
HB-46	371\656	40	45	Bt	2	large basin
HB-47	370\657	36	42	Bt	2	large basin
HB-48	371\643	50	55	Bt	1	large basin
HB-49	371\642	60	65	Bt	1	large basin
HB-50	369\643	55	60	Bt	1	large basin
HB-51	369\642	50	55	Bt	1	large basin
HB-60	389\688	55	60	Bt		
HB-61	389\688	55	60	E	113	small basin
HB-62	311\673	40	40-45	Bt		
HB-64	312\673	12	17	Ap		
HB-65	312\673	25	30	EB	38	large basin
HB-66	312\673	41	46	EB	38	large basin
HB-67	312\673	60	66	EB	38	large basin
HB-68	312\673	80	85	EB	38	large basin
HB-69	312\673	100	105	Bt	38	large basin
HB-70	312\673	120	125	Bt	38	large basin
HB-71	312\673	135	141	BC		
HB-72	298\263	1	7	A	666	biotic
HB-73	298\263	13	18	A	666	biotic
HB-74	298\263	31	35	A	666	biotic
HB-75	298\263	49	53	A	666	biotic
HB-76	298\263	68	73	Cox		
HB-77	298\262	2	8	A		
HB-78	298\262	15	20	E		
HB-79	298\262	33	37	BE		
HB-80	298\262	40	45	Bt		
HB-81	298\262	55	60	Bt		
HB-82	298\262	70	75	Bt		
HB-83	309\659	3	8	A1		
HB-84	309\659	16	21	A2		
HB-85	309\659	30	35	E		
HB-86	309\659	65	70	BE		
HB-87	309\659	65	70	Bt		
HB-88	309\659	83	88	BC		
HB-89	309\659	105	110	Cox1		
HB-90	309\659	135	140	Cox2		

Table D.1 Locations and General information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog Number[1]	Unit number[2]	Sample top (cm bs)[3]	Sample base (cm bs)[3]	Soil horizon[4]	Feature number	Feature type[5]
HB-91	361/642	5	10	A		
HB-92	361/642	20	25	EA	46	TAS cluster
HB-93	361/642	40	45	E/B		
HB-94	361/642	53	57	E/B		
HB-95	361/642	73	77	Bt		
HB-96	403\625	3	7	A1		
HB-97	403\625	15	20	AE		
HB-98	403\625	30	35	E		
HB-99	403\625	45	50	EB		
HB-100	403\625	65	70	Bt		
HB-101	402\624	5	10	A		
HB-102		25	30	E		
HB-103		47	52	EB	90	large basin
HB-104		65	70	Bt	90	large basin
HB-105		90	95	Bt	90	large basin
HB-106		115	120	BC	90	large basin
HB-107		135	140	BC	90	large basin
HB-108		150	154	Cox		
HB-109	361\646	5	10	A		
HB-110	361\646	20	25	EA		
HB-111	361\646	40	45	E	60	small basin
HB-112	361\646	58	63	BE	60	small basin
HB-113	361\646	75	80	Bt	60	small basin
HB-114	361\646	90	95	Bt	60	small basin
HB-115	361\646	105	110	BC	60	small basin
HB-116	361\646	90	95	Bt		
HB-117	375\635	5	10	A		
HB-118	375\635	20	25	E		
HB-119	375\635	31	37	EB	77	large basin
HB-120	375\635	50	55	BE1	77	large basin
HB-121	375\635	65	70	BE2	77	large basin
HB-122	375\635	85	90	2Cox	77	large basin
HB-123	375\635	105	110	BC1	77	large basin
HB-124	375\635	125	130	BC2	77	large basin
HB-125	375\635	140	145	BC		
HB-126	368\629	3	7	A		
HB-127	368\629	15	20	E		
HB-128	368\629	30	35	EB	169	large basin
HB-129	368\629	43	47	BE	169	large basin
HB-130	368\629	63	68	Bt1	169	large basin

Table D.1 Locations and General information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog Number[1]	Unit number[2]	Sample top (cm bs)[3]	Sample base (cm bs)[3]	Soil horizon[4]	Feature number	Feature type[5]
HB-131	368\629	83	87	Bt2	169	large basin
HB-132	368\629	94	98	Bt3	169	large basin
HB-133	368\629	100	105	Bt		
HB-134	368\629	110	115	Bt		
HB-135	368\629	63	68	Bt		
HB-136	369\629	63	68	Bt		
HB-137	369\629	63	68	Bt		
HB-138	369\629	42	48	BE		
HB-139	369\629	30	35	EB		
HB-140	369\629	15	20	E		
HB-141	369\629	3	8	A		
HB-150	404\623			E		
HB-151	404\625			E		
HB-152	404\621			E/B	278	medium basin
HB-153	405\625			E		
HB-154	405\622			E		
HB-155	405\623			E		
HB-156	405\621			E		
HB-157	405\622			E		
HB-158	402\627			E	175	TAS cluster
HB-159	401\627			E	173	TAS cluster
HB-160	405\624			E		
HB-161	399\625			E		
HB-162	399\626			E		
HB-163	399\627			E		
HB-164	398\622			E		
HB-165	398\623			E		
HB-166	398\624			E		
HB-167	398\625			E		
HB-168	398\626			E		
HB-169	398\627			E		
HB-170	398\628			E		
HB-171	399\622			E		
HB-172	399\623			E		
HB-173	399\624			E		
HB-174	399\628			E		
HB-175	400\622			E		
HB-176	400\623			E		
HB-177	400\626			E		
HB-178	400\627			E		
HB-179	400\628			E		

Table D.1 Locations and General information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog Number[1]	Unit number[2]	Sample top (cm bs)[3]	Sample base (cm bs)[3]	Soil horizon[4]	Feature number	Feature type[5]
HB-180	401\622			E		
HB-181	401\623			E		
HB-182	401\627			E		
HB-183	401\628			E		
HB-184	402\621			E		
HB-185	402\622			E		
HB-186	402\623			E		
HB-187	402\626			E		
HB-188	402\627			E		
HB-189	402\628			E		
HB-190	403\621			E		
HB-191	403\622			E		
HB-192	403\623			E		
HB-193	403\625			E		
HB-194	403\626			E		
HB-195	403\627			E		
HB-196	403\628			E		
HB-197	398\622			A		
HB-198	398\622			E		
HB-199	398\623			A		
HB-200	398\623			E		
HB-201	398\624			A		
HB-202	398\624			E		
HB-203	398\625			A		
HB-204	398\625			E		
HB-205	398\626			A		
HB-206	398\626			E		
HB-207	398\627			A		
HB-208	398\627			E		
HB-209	398\628			A		
HB-210	398\628			E		
HB-211	398\629			A		
HB-212	398\629			E		
HB-213	398\630			A		
HB-214	398\630			E		
HB-215	398\631			A		
HB-216	398\631			E		
HB-217	398\632			A		
HB-218	398\632			E		
HB-219	398\633			A		
HB-220	398\633			E		

Table D.1 Locations and General information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog Number[1]	Unit number[2]	Sample top (cm bs)[3]	Sample base (cm bs)[3]	Soil horizon[4]	Feature number	Feature type[5]
HB-221	310\657			A		
HB-222	310\657			E		
HB-223	311\657			A		
HB-224	311\657			E		
HB-225	312\657			A		
HB-226	312\657			E		
HB-227	313\657			A		
HB-228	313\657			E		
HB-229	314\657			A		
HB-230	314\657			E		
HB-231	315\657			A		
HB-232	315\657			E		
HB-233	316\657			A		
HB-234	316\657			E		
HB-235	317\657			A		
HB-236	317\657			E		
HB-237				E/B	1	large basin
HB-238				E/B	4	small basin
HB-239				E	37	small basin
HB-240				E	9	basin/biotic/geomorphic
HB-241				E	87	TAS cluster
HB-242				A	96	biotic
HB-243				E/B	129	large basin
HB-244				E	99	TAS cluster
HB-245				E	158	TAS cluster
HB-246				E	159	TAS cluster
HB-247				E	165	TAS cluster
HB-248				E	166	TAS cluster
HB-249				E	176	TAS cluster
HB-250				E	194	TAS cluster
HB-251				E	202	small basin
HB-252				E	249	TAS cluster
HB-253				E/B	265	large basin
HB-254				E	284	TAS cluster
HB-255				E/B	287	large basin/biotic
HB-256				E	289	TAS cluster
HB-257				E/B	291	large basin/biotic
HB-258				E	296	TAS cluster
HB-259				E/B	184	large basin
Locus A-1	306\657			E		
Locus A-2	306\658			E		

Table D.1 Locations and General information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog Number[1]	Unit number[2]	Sample top (cm bs)[3]	Sample base (cm bs)[3]	Soil horizon[4]	Feature number	Feature type[5]
Locus A-3	306\659			E		
Locus A-4	306\660			E		
Locus A-5	307\657			E		
Locus A-6	307\658			A	115	biotic
Locus A-7	307\659			E		
Locus A-8	307\660			E		
Locus A-9	308\657			E		
Locus A-10	308\658			E		
Locus A-11	308\659			E		
Locus A-12	308\660			E		
Locus A-13	309\657			E		
Locus A-14	309\658			E		
Locus A-15	309\659			E		
Locus A-16	310\657			E		
Locus A-17	310\658			E		
Locus A-18	310\659			E	48	geomorphic
Locus A-19	311\657			E		
Locus A-20	311\658			E		
Locus A-21	311\659			E		
Locus A-22	311\660			E		
Locus A-23	312\657			E		
Locus A-24	312\658			E		
Locus A-25	312\659			E/B	67	small basin
Locus A-26	312\660			E		
Locus A-27	313\657			E		
Locus A-28	313\658			E		
Locus A-29	313\659			E		
Locus A-30	313\660			E		
Locus A-31	314\657			E		
Locus A-32	314\658			E		
Locus A-33	314\659			E		
Locus A-34	314\660			E		
Locus A-35	315\657			E		
Locus A-36	315\658			E		
Locus A-37	315\659			E		
Locus A-38	315\660			E	73	geomorphic
Locus A-39	316\657			E		
Locus A-40	316\658			A	109	biotic
Locus A-41	316\659			A	105	biotic
Locus A-42	316\660			E		
Locus A-43	307.8\658.4			E	120	small basin

Table D.1 Locations and General information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog Number[1]	Unit number[2]	Sample top (cm bs)[3]	Sample base (cm bs)[3]	Soil horizon[4]	Feature number	Feature type[5]
Locus A-44	308.3\656.4			E	70	fluvial
Locus A-45	313.5\657.6			E	98	small bas/TAS cluster

Notes: [1] Unique number that identifies each sample.

[2]Unit location: first number refers to the north grid designation, second number refers to the east grid designation.

[3]sample depth in centimeters below surface (cm bs) for the top and bottom of the sampling interval (where appropriate)

[4]soil horizon association (A-horizon, E-horizon, AE-horizon, BE-horizon, Bt-horizon, B-horizon, BC-horizon, C-horizon).

[5]Sample feature association (if any) and type of feature. Features (by number) are reported in detail elsewhere in this report. TAS cluster = Thermally Altered Stone cluster; small, medium, and large basins or pits as defined elsewhere in this report. Biotic, geomorphic refers to "natural or non-cultural" features.

Table D.2 Sedimentology and Textural Information for Hickory Bluff Geoarchaeology Samples

Catalog number[1]	primary texture[2]			sand fractionation[3]											silt fractionation[4]		
	sand	silt	clay	>-0.5ø	-0.5ø	0.0ø	0.5ø	1.0ø	1.5ø	2.0ø	2.5ø	3.0ø	3.5ø	4.0ø	coarse	medium	fine
HB-01	60.0	31.0	9.0												12.0		19.0
HB-02	59.0	32.0	9.0												12.0		20.0
HB-03	56.0	34.0	10.0												12.0		22.0
HB-04	51.0	30.0	19.0												11.0		19.0
HB-05	58.0	21.0	21.0												8.0		13.0
HB-06	55.0	28.0	17.0												10.0		18.0
HB-07	86.0	9.0	5.0												4.0		5.0
HB-08	61.0	22.0	17.0												7.0		15.0
HB-09	60.0	32.0	8.0												12.0		20.0
HB-10	60.0	30.0	10.0												11.0		19.0
HB-11	56.0	31.0	13.0												11.0		20.0
HB-12	49.0	36.0	15.0												14.0		22.0
HB-13	48.0	31.0	21.0												11.0		20.0
HB-14	52.0	39.0	9.0												15.0		24.0
HB-15	52.0	37.0	11.0												14.0		23.0
HB-16	43.0	38.0	19.0												14.0		24.0
HB-17	44.0	35.0	21.0												13.0		22.0
HB-18	48.0	41.0	11.0												15.0		26.0
HB-20	46.0	41.0	13.0												15.0		26.0
HB-21	40.0	42.0	18.0												15.0		27.0
HB-22	40.0	36.0	24.0												13.0		23.0
HB-23	52.0	37.0	11.0												14.0		23.0
HB-24	52.0	39.0	9.0												14.0		25.0
HB-25	53.0	36.0	11.0												12.0		24.0
HB-26	55.0	36.0	9.0												12.0		24.0
HB-27	54.0	38.0	8.0												13.0		25.0
HB-28	44.0	40.0	16.0												14.0		26.0
HB-29	94.0	6.0	0.0												2.0		4.0

Table D.2 Sedimentology and Textural Information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog number[1]	primary texture[2]			sand fractionation[3]											silt fractionation[4]		
	sand	silt	clay	>-0.5ø	-0.5ø	0.0ø	0.5ø	1.0ø	1.5ø	2.0ø	2.5ø	3.0ø	3.5ø	4.0ø	coarse	medium	fine
HB-30	53.0	38.0	9.0												12.0		26.0
HB-31	51.0	39.0	9.0												12.0		27.0
HB-32	47.0	39.0	14.0												13.0		26.0
HB-33	43.0	33.0	24.0												11.0		22.0
HB-34	56.0	37.0	7.0												13.0		24.0
HB-35	69.0	34.0	7.0												13.0		21.0
HB-36	54.0	36.0	10.0												13.0		23.0
HB-37	46.0	36.0	18.0												13.0		23.0
HB-38	38.0	40.0	22.0												15.0		25.0
HB-39	45.0	37.0	19.0												14.0		23.0
HB-40	64.0	25.0	11.0												10.0		15.0
HB-41	92.0	6.0	2.0												2.0		4.0
HB-42	42.0	49.0	9.0												18.0		31.0
HB-43	34.0	51.0	15.0												18.0		33.0
HB-44	52.0	29.0	19.0												11.0		18.0
HB-45	72.0	15.0	13.0												5.0		10.0
HB-46	59.0	23.0	18.0												9.0		14.0
HB-47	50.0	33.0	17.0												12.0		21.0
HB-48	76.0	9.0	15.0												3.0		6.0
HB-49	59.0	26.0	15.0												10.0		16.0
HB-50	46.0	32.0	22.0												11.0		21.0
HB-51	50.0	28.0	22.0												12.0		16.0
HB-60	55.0	29.0	16.0														
HB-61	57.0	32.0	11.0														
HB-62	65.0	20.0	15.0														
HB-64	46.0	42.0	12.0														
HB-65	49.6	40.9	9.5	0.1	0.8	2.9	9.3	23.8	26.9	20.1	9.5	4.6	2.0	0.1	16.6	17.8	6.5

Table D.2 Sedimentology and Textural Information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog number[1]	primary texture[2]			sand fractionation[3]											silt fractionation[4]		
	sand	silt	clay	>-0.5ø	-0.5ø	0.0ø	0.5ø	1.0ø	1.5ø	2.0ø	2.5ø	3.0ø	3.5ø	4.0ø	coarse	medium	fine
HB-66	50.0	37.0	13.0														
HB-67	52.0	36.0	12.0														
HB-68	52.0	37.0	11.0														
HB-69	49.0	38.0	13.0														
HB-70	72.0	19.0	9.0														
HB-71	93.0	4.0	3.0														
HB-72	42.3	50.2	7.5	0.0	0.5	1.2	8.6	26.4	26.6	19.1	9.5	5.1	2.5	0.5	21.5	22.9	5.8
HB-73	44.3	48.7	7.0	0.1	1.1	2.9	10.1	24.0	25.9	19.2	9.5	4.6	2.2	0.5	18.7	23.4	6.6
HB-74	46.0	45.0	9.0														
HB-75	43.0	47.0	10.0														
HB-76	60.0	27.0	13.0														
HB-77	40.9	51.2	7.9	0.1	0.8	1.9	9.7	24.5	26.2	19.1	9.8	4.7	2.4	0.9	22.1	22.1	7.0
HB-78	38.4	48.6	13.0	0.1	0.8	2.9	9.9	23.8	25.9	19.4	9.7	4.8	2.3	0.5	19.4	22.1	7.1
HB-79	39.0	42.0	19.0														
HB-80	43.0	36.0	21.0														
HB-81	54.0	29.0	17.0														
HB-82	79.0	12.0	9.0														
HB-83	41.3	49.4	9.3	6.8	0.5	1.8	8.6	24.1	26.4	20.4	10.3	5.0	2.3	0.6	15.8	25.3	8.3
HB-84	45.0	44.0	11.0														
HB-85	53.6	38.9	7.5	0.4	0.9	3.0	9.7	22.3	26.1	20.7	10.5	4.7	1.9	0.2	15.6	18.0	5.3
HB-86	51.0	36.0	13.0														
HB-87	54.0	27.0	19.0														
HB-88	77.0	12.0	11.0														
HB-89	93.0	3.0	4.0														
HB-90	94.0	3.0	3.0														
HB-91	65.4	29.8	4.8	0.2	1.9	3.4	10.7	23.2	25.8	19.4	9.8	3.9	1.4	0.5	12.8	14.2	2.8
HB-92	65.7	28.8	5.5	0.5	1.2	3.5	10.2	22.5	26.0	20.2	10.4	4.3	1.5	0.2	11.9	13.0	3.9
HB-93	71.0	24.0	5.0														

Table D.2 Sedimentology and Textural Information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog number[1]	primary texture[2]			sand fractionation[3]											silt fractionation[4]		
	sand	silt	clay	>-0.5ø	-0.5ø	0.0ø	0.5ø	1.0ø	1.5ø	2.0ø	2.5ø	3.0ø	3.5ø	4.0ø	coarse	medium	fine
HB-94	75.0	20.0	5.0														
HB-95	77.0	12.0	11.0														
HB-96	63.5	32.0	4.5	8.6	0.6	2.3	8.9	22.2	27.7	22.1	10.2	3.9	1.6	0.5	14.0	14.7	3.3
HB-97	59.0	33.0	8.0														
HB-98	50.1	41.3	8.6	0.2	0.9	2.2	8.7	23.4	27.9	21.8	9.6	3.9	1.5	0.1	15.1	19.3	6.9
HB-99	45.0	41.0	14.0														
HB-100	40.0	34.0	26.0														
HB-101	64.1	29.9	6.0	0.1	0.8	2.5	9.1	23.5	28.2	21.3	9.5	3.5	1.3	0.3	11.7	13.9	4.3
HB-102	57.7	34.8	7.5	0.1	0.4	2.4	8.1	22.7	28.1	22.6	10.4	3.9	1.4	0.0	12.6	16.7	5.5
HB-103	55.0	33.0	12.0														
HB-104	50.0	37.0	13.0														
HB-105	50.0	38.0	12.0														
HB-106	48.0	40.0	12.0														
HB-107	57.0	34.0	9.0														
HB-108	89.0	7.0	4.0														
HB-109	49.3	44.0	6.7	0.0	0.5	2.7	9.4	21.5	28.4	19.2	10.9	4.3	1.9	1.2	21.9	18.4	3.7
HB-110	51.0	40.8	8.2	0.1	1.0	2.6	9.2	21.3	28.6	19.3	10.8	4.3	1.8	1.1	15.8	19.2	5.8
HB-111	46.0	42.0	12.0														
HB-112	41.0	37.0	22.0														
HB-113	41.0	34.0	25.0														
HB-114	57.0	25.0	18.0														
HB-115	73.0	15.0	12.0														
HB-116	78.0	9.0	13.0														
HB-117	56.1	37.8	6.1	0.1	0.6	3.2	9.4	19.9	27.9	20.5	11.4	4.4	1.7	1.0	15.7	17.8	4.3
HB-118	52.0	40.2	7.8	0.1	0.8	2.8	8.5	19.9	28.3	20.5	11.5	4.7	1.9	1.1	15.9	18.7	5.6
HB-119	49.0	37.0	14.0														
HB-120	50.0	34.0	16.0														
HB-121	55.0	29.0	16.0														

Table D.2 Sedimentology and Textural Information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog number[1]	primary texture[2]			sand fractionation[3]											silt fractionation[4]		
	sand	silt	clay	>-0.5ø	-0.5ø	0.0ø	0.5ø	1.0ø	1.5ø	2.0ø	2.5ø	3.0ø	3.5ø	4.0ø	coarse	medium	fine
HB-122	88.0	7.0	5.0														
HB-123	56.0	30.0	14.0														
HB-124	53.0	35.0	12.0														
HB-125	92.0	5.0	3.0														
HB-126	57.2	35.7	7.1	0.1	1.1	2.8	9.3	20.5	28.1	19.9	11.1	4.4	1.8	1.0	14.7	17.0	4.0
HB-127	53.8	38.0	8.2	0.1	0.6	2.7	8.7	20.2	28.5	20.4	11.3	4.6	1.9	1.1	14.8	17.7	5.5
HB-128	51.0	38.0	11.0														
HB-129	52.0	36.0	12.0														
HB-130	47.0	38.0	15.0														
HB-131	52.0	31.0	17.0														
HB-132	50.0	32.0	18.0														
HB-133	54.0	28.0	18.0														
HB-134	68.0	17.0	15.0														
HB-135	49.0	29.0	22.0														
HB-136	70.0	13.0	17.0														
HB-137	72.0	14.0	14.0														
HB-138	71.0	20.0	9.0														
HB-139	64.0	26.0	10.0														
HB-140	61.4	31.2	7.4	0.3	0.9	2.9	8.9	20.1	27.3	20.5	11.7	4.8	1.9	1.0	13.0	13.8	4.4
HB-141	60.3	32.2	7.5	0.1	0.7	2.4	9.7	20.5	27.9	20.1	11.3	4.6	1.8	1.0	14.3	13.8	4.1
HB-150	49.0	40.0	11.0														
HB-151	57.0	34.0	9.0														
HB-152	59.0	32.0	9.0														
HB-153	64.0	29.0	7.0														
HB-154	53.0	37.0	10.0														
HB-155	58.0	33.0	9.0														
HB-156	52.0	40.0	8.0														
HB-157	51.0	38.0	11.0														

Table D.2 Sedimentology and Textural Information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog number[1]	primary texture[2]			sand fractionation[3]											silt fractionation[4]		
	sand	silt	clay	>-0.5ø	-0.5ø	0.0ø	0.5ø	1.0ø	1.5ø	2.0ø	2.5ø	3.0ø	3.5ø	4.0ø	coarse	medium	fine
HB-158	54.0	36.0	10.0														
HB-159	58.0	33.0	9.0														
HB-160	63.0	30.0	7.0														
HB-161	65.0	27.0	8.0														
HB-162	65.0	28.0	7.0														
HB-163	68.0	26.0	6.0														
HB-164	69.0	23.0	8.0														
HB-165	68.0	24.0	8.0														
HB-166	67.0	26.0	7.0														
HB-167	69.0	24.0	7.0														
HB-168	72.0	21.0	7.0														
HB-169	77.0	17.0	6.0														
HB-170	60.0	31.0	9.0														
HB-171	66.0	27.0	7.0														
HB-172	67.0	25.0	8.0														
HB-173	65.0	27.0	8.0														
HB-174	54.0	36.0	10.0														
HB-175	64.0	28.0	8.0														
HB-176	63.0	29.0	8.0														
HB-177	63.0	28.0	9.0														
HB-178	58.0	34.0	8.0														
HB-179	52.0	37.0	11.0														
HB-180	72.0	22.0	6.0														
HB-181	72.0	21.0	7.0														
HB-182	54.0	37.0	9.0														
HB-183	53.0	37.0	10.0														
HB-184	57.0	34.0	9.0														
HB-185	71.0	23.0	6.0														

Table D.2 Sedimentology and Textural Information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog number[1]	primary texture[2]			sand fractionation[3]											silt fractionation[4]		
	sand	silt	clay	>-0.5ø	-0.5ø	0.0ø	0.5ø	1.0ø	1.5ø	2.0ø	2.5ø	3.0ø	3.5ø	4.0ø	coarse	medium	fine
HB-186	72.0	20.0	8.0														
HB-187	54.0	37.0	9.0														
HB-188	54.0	36.0	10.0														
HB-189	57.0	34.0	9.0														
HB-190	52.0	38.0	10.0														
HB-191	56.0	36.0	8.0														
HB-192	51.0	38.0	11.0														
HB-193	55.0	37.0	8.0														
HB-194	55.0	37.0	8.0														
HB-195	54.0	38.0	8.0														
HB-196	59.0	34.0	7.0														
HB-197	65.0	31.0	3.9	0.1	0.6	2.2	7.9	21.7	28.6	22.4	10.4	3.9	1.5	0.8	17.9	11.2	2.0
HB-198	70.5	23.4	6.1	0.1	0.8	2.0	7.6	20.0	28.4	23.8	11.2	4.1	1.4	0.7	9.2	11.7	2.5
HB-199	66.0	29.3	4.7	0.0	0.7	2.1	8.0	20.8	28.0	23.0	10.8	4.1	1.6	0.9	15.5	11.9	1.9
HB-200	70.3	23.9	5.8	0.3	0.6	2.0	7.3	20.1	28.5	24.1	11.3	4.0	1.4	0.7	9.3	11.9	2.7
HB-201	65.8	29.7	4.4	0.0	0.8	2.1	8.6	22.2	28.0	22.3	10.2	3.7	1.4	0.7	17.9	10.4	1.5
HB-202	68.5	25.8	5.8	0.2	0.6	2.0	7.6	19.9	28.2	24.1	11.4	4.1	1.4	0.7	10.5	12.6	2.6
HB-203	65.0	29.8	5.2	0.0	0.4	2.1	8.2	21.6	28.1	22.7	10.7	3.9	1.5	0.8	18.7	10.2	1.0
HB-204	67.2	26.5	6.2	0.0	0.4	1.7	7.9	21.0	28.2	23.6	11.1	4.0	1.4	0.7	10.9	13.3	2.2
HB-205	67.1	27.8	5.0	0.0	0.5	2.0	8.8	22.1	28.1	22.3	10.3	3.8	1.4	0.7	17.1	9.9	0.9
HB-206	74.2	20.3	5.6	0.1	0.5	2.1	8.0	20.0	27.3	23.8	11.8	4.4	1.4	0.7	8.3	10.3	1.6
HB-207	68.1	27.3	4.6	0.1	1.0	2.2	8.5	21.1	27.6	22.5	10.8	4.0	1.5	0.8	13.9	12.4	1.0
HB-208	76.1	18.7	5.2	0.1	0.7	2.4	8.5	20.2	26.9	23.5	11.6	4.3	1.3	0.6	7.5	8.9	2.2
HB-209	58.8	35.3	5.9	0.0	0.4	1.8	8.6	23.1	28.3	21.7	10.0	3.8	1.5	0.8	21.3	11.8	2.1
HB-210	59.5	32.2	8.3	0.1	0.4	2.1	8.3	21.2	28.0	23.1	10.8	3.9	1.4	0.8	12.7	16.4	3.1
HB-211	59.7	35.6	4.7	0.0	1.0	2.1	9.1	23.1	27.7	21.5	9.7	3.6	1.4	0.8	21.0	11.8	2.7
HB-212	54.5	38.3	7.3	0.1	0.5	1.7	7.8	21.4	28.5	23.2	10.6	3.9	1.5	0.9	14.0	18.2	6.1
HB-213	60.4	34.8	4.8	0.0	0.4	1.7	7.9	21.9	28.0	23.1	10.7	3.9	1.5	0.9	18.8	13.4	2.6

Table D.2 Sedimentology and Textural Information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog number[1]	primary texture[2]			sand fractionation[3]											silt fractionation[4]		
	sand	silt	clay	>-0.5ø	-0.5ø	0.0ø	0.5ø	1.0ø	1.5ø	2.0ø	2.5ø	3.0ø	3.5ø	4.0ø	coarse	medium	fine
HB-214	55.0	37.4	7.6	0.1	0.7	1.7	8.0	22.2	28.5	22.8	10.3	3.7	1.3	0.8	13.7	17.6	6.0
HB-215	60.5	34.8	4.8	0.0	0.7	1.6	7.8	21.7	28.2	22.8	10.7	4.0	1.6	0.9	19.0	12.8	3.0
HB-216	59.1	34.4	6.5	0.0	0.6	1.9	7.6	21.6	28.3	23.2	10.6	3.9	1.4	0.9	13.4	15.8	5.1
HB-217	60.3	35.3	4.3	0.0	0.5	1.8	8.3	22.5	28.4	22.2	10.3	3.7	1.5	0.8	23.3	10.0	2.0
HB-218	62.5	32.1	5.4	0.0	0.5	2.1	8.1	21.8	28.4	22.6	10.4	3.9	1.4	0.8	13.4	14.2	4.5
HB-219	57.9	37.3	4.8	0.0	0.1	1.3	6.9	21.0	28.6	25.4	10.7	3.9	1.4	0.7	25.1	10.3	1.9
HB-220	65.2	29.5	5.2	0.1	0.6	1.8	8.2	21.8	28.3	22.8	10.6	3.9	1.3	0.7	11.8	13.8	4.0
HB-221	48.7	44.0	7.3	0.3	0.9	3.0	9.7	22.5	25.6	20.3	10.3	4.6	2.0	1.1	21.4	16.7	5.8
HB-222	53.7	38.5	7.8	0.3	0.9	2.6	9.6	22.3	25.7	20.7	10.5	4.7	1.9	1.1	15.8	17.0	5.7
HB-223	43.2	49.5	7.3	0.6	0.8	2.6	9.3	21.6	25.3	21.2	10.6	5.0	2.3	1.3	22.0	21.2	6.3
HB-224	51.7	40.1	8.2	0.1	0.9	3.0	9.1	21.3	25.7	21.2	10.9	4.7	2.0	1.2	16.0	17.6	6.5
HB-225	45.0	48.7	6.4	0.1	0.5	1.5	7.8	22.0	27.1	21.2	10.9	5.1	2.4	1.5	24.7	19.3	4.7
HB-226	51.6	40.2	8.2	0.6	0.9	2.7	9.3	22.2	25.5	20.8	10.8	4.7	1.9	1.2	16.4	17.7	6.0
HB-227	49.8	44.1	6.1	0.3	1.1	3.5	10.9	21.6	24.5	19.2	10.4	4.9	2.4	1.5	19.6	19.2	5.2
HB-228	54.5	36.7	8.8	0.1	1.1	3.1	9.9	22.4	25.3	20.2	10.4	4.6	1.9	1.1	15.0	16.7	5.0
HB-229	47.1	48.0	4.9	0.1	0.5	1.9	8.9	23.2	25.4	20.0	10.8	5.3	2.5	1.5	27.2	17.3	3.5
HB-230	55.7	36.5	7.8	0.1	1.3	3.8	10.6	21.9	24.8	20.0	10.2	4.5	1.8	1.1	14.9	16.6	4.9
HB-231	51.2	43.8	4.9	0.4	0.8	2.8	10.8	22.4	25.0	19.7	10.3	4.8	2.1	1.3	23.4	16.3	4.2
HB-232	54.7	37.6	7.8	0.5	1.0	3.0	10.3	22.2	25.3	20.4	10.4	4.5	1.8	1.1	15.3	17.3	5.0
HB-233	54.6	41.1	4.3	0.5	1.3	4.1	12.3	22.8	23.9	18.4	9.5	4.5	2.0	1.2	21.4	16.0	3.6
HB-234	54.6	37.7	7.7	0.1	0.8	3.1	10.4	22.2	25.3	20.4	10.4	4.5	1.8	1.1	15.8	16.7	5.2
HB-235	55.2	40.4	4.4	0.1	1.0	3.3	11.2	22.8	25.4	19.1	9.8	4.3	1.9	1.2	22.4	14.5	3.5
HB-236	57.6	35.7	6.7	0.1	1.0	3.4	10.7	22.1	25.2	19.8	10.3	4.6	1.8	1.1	15.5	15.3	5.0
HB-237	56.0	33.0	11.0														
HB-238	66.0	25.0	9.0														
HB-239	68.0	24.0	8.0														
HB-240	51.0	37.0	12.0														
HB-241	61.0	31.0	8.0														

Table D.2 Sedimentology and Textural Information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog number[1]	primary texture[2]			sand fractionation[3]											silt fractionation[4]		
	sand	silt	clay	>-0.5ø	-0.5ø	0.0ø	0.5ø	1.0ø	1.5ø	2.0ø	2.5ø	3.0ø	3.5ø	4.0ø	coarse	medium	fine
HB-242	54.0	36.0	10.0														
HB-243	71.0	22.0	7.0														
HB-244	53.0	36.0	11.0														
HB-245	59.0	32.0	9.0														
HB-246	60.0	32.0	8.0														
HB-247	64.0	30.0	6.0														
HB-248	65.0	28.0	7.0														
HB-249	62.0	30.0	8.0														
HB-250	52.0	38.0	10.0														
HB-251	67.0	27.0	6.0														
HB-252	61.0	31.0	8.0														
HB-253	49.0	38.0	13.0														
HB-254	54.0	35.0	11.0														
HB-255	54.0	35.0	11.0														
HB-256	51.0	39.0	10.0														
HB-257	71.0	16.0	13.0														
HB-258	53.0	37.0	10.0														
HB-259	50.0	27.0	23.0														
Locus A-1	53.0	36.0	11.0														
Locus A-2	58.0	32.0	10.0														
Locus A-3	52.0	37.0	11.0														
Locus A-4	50.0	39.0	11.0														
Locus A-5	54.0	36.0	10.0														
Locus A-6	58.0	32.0	10.0														
Locus A-7	55.0	35.0	10.0														
Locus A-8	51.0	39.0	10.0														
Locus A-9	52.0	35.0	13.0														
Locus A-10	54.0	36.0	10.0														

Table D.2 Sedimentology and Textural Information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog number[1]	primary texture[2]			sand fractionation[3]											silt fractionation[4]		
	sand	silt	clay	>-0.5ø	-0.5ø	0.0ø	0.5ø	1.0ø	1.5ø	2.0ø	2.5ø	3.0ø	3.5ø	4.0ø	coarse	medium	fine
Locus A-11	55.0	34.0	11.0														
Locus A-12	54.0	36.0	10.0														
Locus A-13	53.0	35.0	12.0														
Locus A-14	55.0	35.0	10.0														
Locus A-15	54.0	36.0	10.0														
Locus A-16	54.0	35.0	11.0														
Locus A-17	54.0	37.0	9.0														
Locus A-18	55.0	34.0	11.0														
Locus A-19	52.0	37.0	11.0														
Locus A-20	53.0	37.0	10.0														
Locus A-21	54.0	36.0	10.0														
Locus A-22	58.0	32.0	10.0														
Locus A-23	52.0	38.0	10.0														
Locus A-24	53.0	37.0	10.0														
Locus A-25	54.0	35.0	11.0														
Locus A-26	54.0	37.0	9.0														
Locus A-27	55.0	35.0	10.0														
Locus A-28	52.0	38.0	10.0														
Locus A-29	52.0	37.0	11.0														
Locus A-30	52.0	37.0	11.0														
Locus A-31	57.0	34.0	9.0														
Locus A-32	54.0	36.0	10.0														
Locus A-33	53.0	37.0	10.0														
Locus A-34	53.0	37.0	10.0														
Locus A-35	55.0	35.0	10.0														
Locus A-36	53.0	37.0	10.0														
Locus A-37	50.0	39.0	11.0														
Locus A-38	52.0	37.0	11.0														

Table D.2 Sedimentology and Textural Information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog number[1]	primary texture[2]			sand fractionation[3]											silt fractionation[4]		
	sand	silt	clay	>-0.5ø	-0.5ø	0.0ø	0.5ø	1.0ø	1.5ø	2.0ø	2.5ø	3.0ø	3.5ø	4.0ø	coarse	medium	fine
Locus A-39	56.0	34.0	10.0														
Locus A-40	53.0	37.0	10.0														
Locus A-41	53.0	37.0	10.0														
Locus A-42	53.0	37.0	10.0														
Locus A-43	59.0	32.0	9.0														
Locus A-44	67.0	17.0	16.0														
Locus A-45	55.0	35.0	10.0														

Notes: [1] Unique number that identifies each sample.
[2]primary textural classification in percent of sand, silt and clay.
[3]break down of the amount of sand in standardized ½ intervals for selected samples, amount reported in percent of total sand+silt+clay.
[4]soil break-down of silt-size fraction into coarse, medium, and fine intervals for selected samples, amount reported in percent of total sand+silt+clay

Table D.3 Geochemical Information for Hickory Bluff Geoarchaeology Samples

Catalog Number[1]	pH	organic matter[2]	Geochemistry[3]											
			Al	Ba	Ca	Fe	K	Mg	Mn	Na	P	Sr	Ti	Zn
HB-01	4.3	2.7	4132.11	33.72	193.57	4383.46	206.13	455.43	49.46	87.78	130.02	1.50	91.62	11.25
HB-02	4.2	0.7	4179.64	35.72	130.00	4543.89	197.62	513.94	43.65	75.19	124.74	1.48	103.46	10.64
HB-03	4.2	0.4	4448.44	43.94	372.92	6367.72	245.02	706.92	56.05	75.42	116.92	1.49	141.42	11.27
HB-04	4.3	0.4	6342.81	51.88	77.40	10411.30	256.98	792.10	75.22	66.18	231.63	1.37	204.38	13.28
HB-05	4.3	0.3	6473.43	43.75	75.41	11645.10	261.89	682.86	82.83	61.47	146.05	1.59	229.98	11.98
HB-06	4.3	0.3	5520.73	47.75	73.02	9198.07	250.44	737.37	72.17	66.75	146.03	1.42	189.60	12.25
HB-07	4.7	0.0	2196.58	19.30	56.27	3955.32	182.95	296.35	57.91	54.25	69.05	1.12	99.50	4.65
HB-08	4.2	0.4	5828.12	53.37	68.65	10226.40	250.95	681.13	73.22	65.75	341.49	1.94	209.96	11.29
HB-09	4.3	2.7	4173.19	78.36	106.21	4596.62	207.84	499.61	117.19	75.40	177.33	2.35	93.28	13.29
HB-10	4.5	2.8	3999.92	44.15	92.93	5053.72	210.63	560.58	53.22	76.51	133.44	2.06	112.73	9.76
HB-11	4.4	0.9	4577.00	32.10	88.37	6654.39	215.41	642.15	67.70	72.68	209.26	2.00	143.07	10.42
HB-12	4.5	0.6	5732.08	39.37	126.54	10246.90	254.88	833.19	77.93	79.34	330.94	2.77	192.79	12.99
HB-13	4.4	0.4	6530.53	42.16	160.41	11995.10	294.81	919.31	86.25	84.95	407.16	2.71	227.24	14.54
HB-14	4.4	0.2	3942.25	70.09	118.05	3961.62	214.17	494.70	98.71	82.90	128.33	2.30	80.91	12.32
HB-15	4.5	3.3	3658.17	46.21	99.82	4937.18	230.57	609.01	61.93	83.91	99.14	2.04	106.84	10.77
HB-16	4.5	0.4	6116.8	49.94	123.90	10967.60	278.91	943.74	80.66	79.79	304.61	2.41	212.97	14.74
HB-17	4.4	0.3	6591.88	50.02	121.17	11667.10	291.18	990.71	84.00	78.57	288.44	2.33	232.55	15.38
HB-18	4.7	4.1	5405.73	58.71	442.51	5085.22	250.44	729.96	220.83	100.35	168.64	4.90	106.34	24.19
HB-20	4.5	0.7	4330.68	34.47	96.42	5914.38	241.36	710.36	57.23	80.40	109.53	1.77	125.05	12.81
HB-21	4.4	0.4	5302.07	39.34	94.09	8138.48	278.42	835.13	95.73	92.67	188.15	1.83	173.46	14.61
HB-22	4.3	0.4	7109.62	54.94	107.31	13026.70	314.47	981.58	84.72	77.03	245.53	1.75	244.61	16.16
HB-23	4.4	3.4	6285.50	61.16	170.12	5311.26	233.85	667.45	226.90	89.26	160.25	2.88	109.85	22.15
HB-24	4.4	1.3	4876.20	49.44	104.63	5046.08	217.23	558.28	96.61	87.95	130.02	1.94	114.03	10.60
HB-25	4.4	0.3	5639.69	48.55	114.85	8047.59	243.76	779.43	122.94	83.84	259.08	2.02	163.26	13.07
HB-26	4.5	0.2	5200.40	44.82	111.15	6360.70	243.26	670.62	224.61	88.47	252.44	1.89	133.81	11.08
HB-27	4.2	0.2	5268.77	44.92	114.00	6595.07	269.33	723.09	300.80	98.09	225.27	1.90	138.55	11.97
HB-28	4.4	0.3	6643.14	51.05	135.31	12295.00	333.10	1015.78	89.46	80.86	223.14	2.70	231.71	16.18
HB-29	5.5	0.0	1613.30	14.82	73.14	2471.12	181.29	199.41	40.07	69.31	66.68	1.64	74.14	3.52

Table D.3 Geochemical Information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog Number[1]	pH	organic matter[2]	Geochemistry[3]											
			Al	Ba	Ca	Fe	K	Mg	Mn	Na	P	Sr	Ti	Zn
HB-30	4.5	0.6	6039.17	59.65	199.43	5202.82	252.61	685.54	215.38	92.51	160.65	2.77	108.29	21.09
HB-31	4.6	0.3	5805.60	76.63	116.73	6357.92	243.52	769.79	130.77	96.69	135.59	2.29	139.36	14.10
HB-32	4.5	0.3	5700.56	58.04	114.49	9458.46	242.36	941.23	125.17	87.55	172.66	1.97	201.62	14.97
HB-33	4.4	0.4	7619.10	72.43	130.71	14115.90	300.06	1056.34	87.21	85.15	309.00	2.19	287.19	17.23
HB-34	5.7	5.3	4875.90	62.55	1745.80	4301.54	255.40	806.59	252.54	87.57	439.94	6.57	98.84	31.85
HB-35	5.8	1.3	4476.93	46.56	508.97	3813.45	205.47	538.84	205.34	87.06	210.80	2.48	95.79	15.99
HB-36	5.7	0.5	5212.72	64.57	406.91	7996.58	255.27	943.82	121.62	91.53	179.33	2.75	181.98	13.46
HB-37	5.9	0.3	6138.08	42.48	455.88	11215.80	291.29	1092.68	145.18	88.86	293.95	3.87	255.46	14.27
HB-38	5.1	0.3	7710.19	39.51	637.73	15293.40	312.67	1273.43	135.99	80.01	361.16	7.66	327.48	18.12
HB-39	4.7	0.1	6176.98	28.67	386.48	12640.00	281.37	1124.99	109.78	87.31	274.66	5.04	286.91	15.95
HB-40	4.7	0.1	4606.02	22.81	247.86	9238.12	275.36	893.10	78.11	89.45	164.92	2.76	229.87	12.40
HB-41	5.2	0.0	1869.91	16.32	131.70	2129.60	247.21	291.62	21.49	94.17	74.30	2.20	84.88	4.03
HB-42	5.9	1.2	5747.31	48.18	556.80	5009.28	249.01	811.29	234.97	107.44	165.85	2.75	132.97	18.44
HB-43	5.6	0.4	5284.39	57.56	294.70	8293.02	273.22	1073.74	134.06	99.50	105.10	2.03	218.58	13.29
HB-44	4.7	0.1	7270.52	42.73	375.83	14023.10	353.44	1154.68	113.44	82.43	141.33	4.22	329.05	15.65
HB-45	4.5	0.2	6483.36	58.21	140.50	11712.80	350.99	918.01	94.20	86.11	335.75	2.37	248.97	13.68
HB-46	4.4	0.3	6960.16	68.22	126.07	12550.30	339.57	932.94	102.70	80.04	243.89	2.28	244.98	15.79
HB-47	4.2	0.4	6718.21	82.35	98.48	9802.05	278.21	918.70	195.89	91.90	172.92	1.88	204.64	18.14
HB-48	4.3	0.3	6939.32	51.83	80.57	12104.30	308.62	735.44	90.99	86.56	300.78	2.09	238.14	13.21
HB-49	4.2	0.3	5516.37	74.97	80.80	9653.94	284.80	755.00	77.76	96.92	291.87	1.83	216.96	12.20
HB-50	4.1	0.4	6995.40	60.16	90.21	13141.40	302.97	904.59	84.65	85.70	423.78	1.83	256.01	15.45
HB-51	4.3	0.6	7031.87	51.83	93.78	12045.90	329.21	841.52	84.58	86.73	215.66	1.68	244.49	14.53
HB-60	6.1	0.2	5472.13	28.31	536.55	10224.10	322.39	969.07	84.26	77.22	107.67	4.20	242.76	14.70
HB-61	6.2	0.1	3666.14	21.34	393.68	6218.63	209.47	722.10	135.20	89.85	159.66	3.13	131.91	12.57
HB-62	4.3	0.4	7626.45	73.64	507.93	11519.90	265.86	937.38	145.37	74.37	388.13	3.22	220.73	19.90
HB-64	4.1	2.5	7134.39	78.35	412.96	6583.78	206.18	759.44	285.17	77.16	438.63	3.33	139.50	26.25
HB-65	4.6	1.0	5067.09	49.18	249.85	6216.19	172.60	591.76	94.33	44.14	261.43	2.05	143.94	17.71

Table D.3 Geochemical Information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog Number[1]	pH	organic matter[2]	Geochemistry[3]											
			Al	Ba	Ca	Fe	K	Mg	Mn	Na	P	Sr	Ti	Zn
HB-66	4.4	0.7	6057.37	57.08	255.82	6446.98	209.51	658.25	117.90	51.89	330.71	2.09	129.99	17.27
HB-67	4.3	0.4	6297.97	59.69	402.02	6805.23	263.84	649.23	185.11	104.27	275.51	2.49	136.31	17.91
HB-68	4.3	0.2	5026.59	48.64	205.01	6675.90	212.22	631.55	135.88	53.72	218.70	1.53	143.17	13.35
HB-69	4.2	0.2	5706.24	51.53	226.54	9110.82	245.57	753.01	71.77	53.59	219.18	1.55	186.83	14.42
HB-70	4.3	0.1	3446.41	30.07	159.19	5666.57	193.41	493.15	57.79	59.85	117.85	1.18	130.15	9.27
HB-71	4.6	0.1	1293.55	14.26	100.00	2017.05	132.55	143.01	64.72	47.03	57.51	0.74	46.71	4.12
HB-72	4.2	7.3	4159.83	62.74	1107.30	4422.81	300.35	680.14	177.16	55.61	231.09	9.33	86.17	78.83
HB-73	3.8	4.5	5041.30	72.86	568.82	5043.19	278.93	657.80	169.23	60.71	200.60	6.28	104.72	54.97
HB-74	4.0	3.0	4755.45	55.21	396.32	5852.42	260.48	589.06	94.13	77.50	184.77	4.98	132.63	20.56
HB-75	4.3	2.6	5021.47	65.90	466.53	6669.47	226.90	743.3	85.65	50.36	131.00	7.14	139.05	15.79
HB-76	4.9	0.4	4544.59	39.55	575.02	8659.73	239.34	636.24	93.27	59.43	118.58	8.65	183.67	12.32
HB-77	3.9	5.6	4627.67	40.20	604.77	5653.78	268.66	644.12	96.58	82.29	283.90	5.37	134.90	27.13
HB-78	4.1	0.8	4697.01	32.50	236.87	6352.20	227.42	747.62	58.00	45.88	90.39	2.06	131.01	14.70
HB-79	4.1	0.7	5978.69	36.67	278.93	10101.50	301.34	911.30	75.82	77.30	138.10	2.67	195.57	18.06
HB-80	4.2	0.5	6186.49	37.00	286.36	11367.20	311.59	847.91	76.11	64.32	248.44	3.18	219.25	17.80
HB-81	4.1	0.3	5446.16	32.13	321.87	10030.70	292.47	738.35	104.38	54.67	130.19	3.08	199.45	16.17
HB-82	4.3	0.2	3663.05	21.81	197.73	5976.97	211.90	462.39	60.01	68.69	108.65	2.36	132.86	9.69
HB-83	3.8	4.5	5614.47	55.38	281.21	4680.21	239.85	624.64	206.02	68.12	155.69	2.81	91.86	25.13
HB-84	4.0	2.6	6028.11	61.97	294.71	6298.78	256.15	620.41	228.01	78.38	239.64	2.45	147.52	23.40
HB-85	4.0	0.6	4330.72	48.68	146.01	5586.13	170.90	519.89	80.22	76.47	136.75	1.60	126.10	11.50
HB-86	4.3	0.2	4649.58	40.37	231.29	8676.93	253.38	739.28	65.68	96.71	174.10	2.52	188.75	14.46
HB-87	4.3	0.1	5039.33	45.30	240.66	10102.40	220.61	636.99	72.27	47.01	142.66	3.13	215.96	11.70
HB-88	4.4	0.1	4017.06	28.64	239.37	7636.18	198.45	495.32	56.25	41.08	111.22	2.57	169.40	9.53
HB-89	4.5	0.0	1252.00	10.05	100.87	2015.40	109.78	115.77	44.88	26.36	42.05	0.89	46.58	3.58
HB-90	4.5	0.0	1060.09	8.98	79.12	1652.27	117.69	93.53	30.74	41.23	34.62	0.91	41.93	2.67
HB-91	3.9	4.2	4259.24	33.01	183.18	4239.92	174.38	370.56	46.23	87.53	232.73	2.15	97.32	14.71
HB-92	4.1	1.5	4103.37	26.80	187.31	3965.29	201.22	407.45	46.47	81.64	125.00	1.87	88.05	10.77
HB-93	4.0	0.3	2677.06	17.41	93.42	3397.97	137.26	356.23	32.91	69.76	133.87	1.06	78.23	7.08

Table D.3 Geochemical Information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog Number[1]	pH	organic matter[2]	Geochemistry[3]											
			Al	Ba	Ca	Fe	K	Mg	Mn	Na	P	Sr	Ti	Zn
HB-94	4.1	0.2	2820.75	19.86	118.90	4620.74	148.73	462.60	44.24	56.67	93.97	1.00	108.11	9.98
HB-95	4.0	0.2	3466.29	30.11	150.25	6541.35	217.77	416.95	64.15	71.52	104.81	1.20	147.33	8.26
HB-96	4.0	3.8	3767.94	33.01	304.67	3912.86	213.76	420.56	86.72	86.26	166.56	3.28	86.98	14.55
HB-97	3.8	2.3	4052.77	32.56	108.88	4547.30	175.41	404.25	107.52	61.42	155.88	1.57	100.13	11.82
HB-98	4.0	0.7	4130.87	45.02	108.63	5919.87	169.39	557.49	56.58	68.85	122.13	1.58	122.57	11.54
HB-99	3.9	0.4	4831.82	43.81	110.82	7443.90	193.79	716.54	86.46	66.81	129.62	1.54	145.18	12.69
HB-100	3.6	0.4	7058.27	49.56	78.24	13155.40	225.61	847.41	114.92	57.58	173.25	0.88	232.16	16.89
HB-101	3.5	3.0	3335.97	22.21	101.28	4073.15	153.67	351.79	44.35	46.54	149.34	1.14	89.22	10.06
HB-102	3.9	0.8	3537.81	30.05	123.22	4859.35	164.75	472.45	56.16	74.53	114.38	1.64	98.78	10.95
HB-103	3.8	0.4	3943.42	38.27	104.05	6928.47	173.47	586.19	61.57	67.49	191.69	1.36	134.78	11.39
HB-104	3.8	0.3	4195.80	33.57	92.80	6982.03	168.46	615.84	66.39	50.10	254.69	1.26	133.28	11.05
HB-105	3.8	0.2	4510.65	29.04	117.55	8326.40	187.84	711.77	77.40	50.27	266.53	1.14	155.78	13.64
HB-106	4.0	0.2	4380.84	28.97	110.65	7753.61	183.69	727.82	62.59	70.91	236.51	1.51	153.76	13.78
HB-107	4.1	0.2	3541.07	23.67	109.43	5886.93	183.71	590.65	49.66	75.58	173.92	1.60	117.14	10.22
HB-108	4.3	0.1	1001.50	8.91	67.61	1209.34	105.12	140.57	9.08	45.25	26.80	0.66	44.94	3.17
HB-109	4.0	7.2	5530.06	66.23	998.59	4792.01	428.69	637.94	59.17	155.89	172.76	5.13	87.74	18.86
HB-110	4.2	1.1	6157.53	52.34	268.14	5934.13	333.77	678.79	60.41	101.62	130.12	2.56	114.06	17.07
HB-111	4.2	0.4	5222.61	44.05	202.59	6839.78	367.08	778.03	59.69	126.01	111.85	2.47	130.26	14.00
HB-112	3.9	0.4	10649.30	57.46	212.74	16954.30	455.79	1245.36	104.07	107.54	307.05	2.70	283.40	22.20
HB-113	3.8	0.2	10139.20	51.80	145.58	16786.10	427.85	1061.26	93.14	81.53	298.33	2.00	284.12	19.87
HB-114	4.1	0.2	8252.95	37.59	197.19	13955.20	421.51	993.20	80.74	74.98	251.42	2.84	244.77	18.11
HB-115	4.6	0.1	6543.47	27.51	167.83	10598.30	423.06	853.18	68.79	106.42	173.18	2.57	206.87	14.22
HB-116	4.2	0.1	7433.51	52.28	155.05	11892.20	384.82	652.54	68.93	75.16	183.45	2.65	226.13	13.31
HB-117	3.9	3.4	3758.08	48.33	145.22	4168.58	287.92	447.11	34.32	92.94	86.69	2.41	80.36	12.03
HB-118	4.0	1.0	4385.48	43.24	174.27	5629.72	344.78	654.04	59.86	94.22	87.75	2.36	103.84	13.13
HB-119	3.8	0.5	6579.42	52.37	163.82	9855.35	392.72	895.00	61.53	114.10	165.68	2.64	168.93	16.93
HB-120	3.9	0.3	7419.70	41.80	153.65	11417.30	401.20	924.61	67.60	105.60	216.05	2.48	202.68	16.62
HB-121	4.1	0.3	7195.80	37.88	143.51	11613.70	419.01	834.00	62.96	80.19	206.56	2.94	213.49	15.85

Table D.3 Geochemical Information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog Number[1]	pH	organic matter[2]	Geochemistry[3]											
			Al	Ba	Ca	Fe	K	Mg	Mn	Na	P	Sr	Ti	Zn
HB-122	4.5	0.1	2249.50	15.76	111.48	3620.43	287.82	221.13	28.83	54.42	72.30	1.48	76.67	4.80
HB-123	4.1	0.2	6169.51	39.84	143.51	9001.14	385.81	777.68	57.35	105.40	166.48	2.67	165.83	14.04
HB-124	4.1	0.2	5078.64	30.76	139.42	8108.37	381.23	762.56	52.70	83.71	126.41	2.30	154.98	12.69
HB-125	4.2	0.0	1570.98	12.05	53.94	2447.27	225.16	139.33	55.47	58.17	38.43	1.03	51.25	3.33
HB-126	3.7	3.7	4722.48	34.75	145.69	5289.11	354.97	533.60	32.49	105.13	105.16	2.69	90.96	13.67
HB-127	4.0	1.8	4968.81	31.13	98.92	5007.43	317.28	524.64	31.94	93.10	86.51	1.93	89.10	11.69
HB-128	4.1	1.0	5064.22	32.91	127.36	5709.07	319.01	633.13	35.82	95.45	107.89	2.06	100.76	12.32
HB-129	4.1	0.6	5766.79	39.84	129.51	7400.14	361.94	815.59	42.29	91.03	139.08	2.14	128.16	14.22
HB-130	3.9	0.4	7011.80	37.10	94.99	10532.70	423.63	874.43	55.00	74.65	148.99	1.83	195.23	15.47
HB-131	3.9	0.2	8083.02	32.62	104.81	12577.90	416.15	900.79	63.51	97.60	182.03	1.75	215.06	17.05
HB-132	4.0	0.2	9055.71	42.78	115.64	13890.30	457.71	986.31	66.94	91.72	201.75	2.20	228.01	18.56
HB-133	4.2	0.1	9640.38	39.40	167.75	15229.90	479.47	1073.91	72.57	90.78	200.77	3.46	251.15	19.63
HB-134	4.2	0.1	6079.99	24.51	119.45	9796.54	352.45	603.76	44.43	54.43	124.11	2.37	173.84	11.90
HB-135	3.8	0.4	10083.00	48.70	109.17	16235.80	433.02	894.16	73.20	88.70	235.29	1.64	258.27	19.22
HB-136	3.8	0.3	10178.50	47.81	109.33	15945.10	434.49	764.66	64.77	80.29	224.61	1.60	258.64	18.25
HB-137	4.0	0.4	5304.99	26.65	101.97	8264.37	332.46	474.92	34.85	75.64	128.06	1.47	155.39	10.25
HB-138	4.1	0.4	4769.65	44.00	125.35	6048.29	324.19	592.25	39.81	72.37	92.45	1.96	113.57	11.24
HB-139	4.1	0.8	5107.26	36.57	128.12	5343.49	336.01	536.85	28.75	104.03	90.70	2.13	95.18	12.22
HB-140	4.2	1.6	6072.29	38.17	149.74	5810.76	363.40	580.04	41.74	107.29	115.03	2.58	102.39	14.82
HB-141	3.8	3.6	4943.07	36.77	171.42	5358.43	367.59	506.68	27.29	113.51	120.10	3.10	89.76	14.37
HB-150	3.9	0.7	6239.06	53.30	164.78	7681.40	397.26	875.08	62.32	95.55	131.53	2.68	129.57	15.04
HB-151	4.3	0.6	6058.97	39.11	155.97	6879.18	434.85	789.02	65.11	123.08	120.10	2.89	118.06	14.12
HB-152	3.9	0.9	6108.44	48.11	151.16	6703.00	363.54	721.88	65.69	111.15	133.75	2.51	119.48	13.96
HB-153	4.1	0.6	4467.30	36.41	115.30	5201.03	361.40	579.75	38.06	102.66	89.86	2.46	98.65	9.92
HB-154	4.0	0.6	6421.21	69.58	171.79	7594.74	367.93	860.58	76.15	93.67	143.65	2.64	130.77	14.89
HB-155	4.0	0.8	6856.46	69.71	128.12	8156.49	364.98	845.08	77.22	98.85	151.70	2.62	144.67	14.97
HB-156	4.0	1.0	5535.10	44.88	171.02	6680.92	367.54	777.97	67.81	95.60	107.89	2.81	114.85	13.94
HB-157	3.8	0.7	6536.58	67.03	167.05	8004.27	372.74	901.56	66.15	104.89	147.61	2.72	129.54	16.16

Table D.3 Geochemical Information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog Number[1]	pH	organic matter[2]	Geochemistry[3]											
			Al	Ba	Ca	Fe	K	Mg	Mn	Na	P	Sr	Ti	Zn
HB-158	3.7	0.9	5620.44	45.68	166.04	6893.71	375.42	782.88	53.27	98.77	111.13	2.97	116.24	14.41
HB-159	3.8	0.8	6220.54	64.25	173.70	7449.52	438.07	850.67	82.57	140.09	114.82	3.33	125.41	16.23
HB-160	4.2	0.5	5089.32	41.44	126.67	5971.94	396.27	731.17	48.90	119.26	112.98	2.65	112.17	12.26
HB-161	3.9	0.7	6284.53	48.38	213.61	6956.41	418.50	762.75	57.53	114.73	159.74	3.63	120.86	14.08
HB-162	4.0	0.5	4708.79	37.22	153.25	5399.61	390.83	596.41	43.53	94.15	123.78	2.66	100.23	11.05
HB-163	3.6	0.9	3789.32	26.73	100.20	4802.51	340.88	478.36	38.29	101.78	88.83	2.13	87.38	8.24
HB-164	3.9	0.7	4632.59	34.81	102.83	5140.77	355.28	532.64	42.89	99.86	104.33	2.25	94.18	10.17
HB-165	3.8	0.8	5498.88	41.78	156.16	5738.21	361.06	603.55	51.91	112.46	121.95	2.55	104.10	11.52
HB-166	3.9	0.9	4310.85	34.94	128.19	4675.04	312.62	505.29	42.01	75.65	93.76	2.16	87.40	9.79
HB-167	3.8	1.2	3925.74	34.13	107.70	4317.27	316.90	438.28	38.09	91.65	98.16	2.03	81.18	8.70
HB-168	4.1	0.7	4408.73	48.57	123.02	4750.48	365.91	465.26	62.67	103.09	95.44	2.49	89.72	13.94
HB-169	3.9	0.4	3235.63	27.42	101.80	4033.36	347.37	386.07	26.94	97.44	80.89	2.11	80.07	7.15
HB-170	4.2	0.7	4957.72	33.69	138.85	6338.22	414.96	710.84	43.74	112.52	98.00	2.39	110.98	11.60
HB-171	3.8	0.8	5396.47	41.99	145.00	5509.88	384.28	578.50	46.04	119.97	111.68	2.82	100.11	11.81
HB-172	3.7	0.8	5742.71	43.57	148.35	6564.28	411.31	677.56	49.93	119.96	130.45	2.80	112.18	12.21
HB-173	4.0	0.7	4024.37	50.52	127.73	4901.55	336.89	497.27	34.41	94.95	97.49	2.59	88.44	10.11
HB-174	3.6	0.7	6117.50	38.45	173.30	8237.29	415.86	872.61	61.26	93.14	119.18	2.67	135.15	14.22
HB-175	4.1	1.2	4783.64	39.06	205.85	5161.34	392.40	571.20	63.52	130.97	114.28	3.02	96.38	12.03
HB-176	4.0	0.6	4205.42	36.25	133.48	5510.30	337.31	592.75	43.50	104.85	97.87	2.36	99.24	10.16
HB-177	3.8	0.8	6399.40	59.14	205.02	7596.58	380.19	831.12	67.03	106.45	156.20	3.13	127.27	15.16
HB-178	3.8	0.8	5248.59	42.27	150.68	6791.79	414.31	802.83	54.72	130.67	109.60	2.96	116.22	13.46
HB-179	3.8	0.5	6084.10	41.51	178.20	7726.76	412.50	907.77	67.30	135.28	110.85	3.12	130.00	15.68
HB-180	4.0	0.7	5443.99	49.67	227.90	6312.64	458.90	725.20	74.71	129.86	125.52	3.72	110.12	14.29
HB-181	4.0	0.8	5929.56	51.66	145.90	6239.10	385.64	611.52	54.93	95.25	133.19	2.86	110.30	14.26
HB-182	3.8	0.7	6052.16	50.21	182.23	7340.91	428.67	874.94	60.32	148.59	117.65	3.51	122.68	15.45
HB-183	3.7	0.6	7094.03	51.05	193.27	8948.26	447.48	1065.91	80.80	142.58	145.54	3.54	141.61	18.94
HB-184	3.9	1.0	5967.00	55.98	179.54	7036.00	430.87	795.93	71.02	129.62	113.58	3.05	119.19	16.48
HB-185	3.9	1.1	4856.66	38.29	166.28	5658.10	388.84	623.29	62.27	106.33	111.62	2.43	101.15	13.25

Table D.3 Geochemical Information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog Number[1]	pH	organic matter[2]	Geochemistry[3]											
			Al	Ba	Ca	Fe	K	Mg	Mn	Na	P	Sr	Ti	Zn
HB-186	4.0	0.9	4335.13	39.07	142.94	5380.18	351.49	544.01	61.35	114.71	121.49	2.26	97.09	12.17
HB-187	3.8	0.9	5389.68	45.70	164.12	6765.48	367.21	756.48	59.59	106.05	121.60	2.76	115.98	13.83
HB-188	3.8	0.8	6038.69	50.37	202.44	7303.64	425.46	871.62	66.80	137.11	128.39	3.42	124.19	15.94
HB-189	3.9	0.8	6241.81	57.01	211.26	7451.36	436.86	873.31	67.13	109.21	124.48	3.32	123.13	15.06
HB-190	4.0	0.7	6447.94	55.03	193.14	7864.48	442.49	948.51	75.61	139.79	130.11	3.41	127.45	17.37
HB-191	3.9	0.8	4663.65	36.22	138.69	5957.03	412.87	671.13	52.31	113.59	110.22	2.46	100.55	13.18
HB-192	4.0	0.4	5834.82	49.52	149.44	7658.49	432.85	827.46	65.17	118.99	128.37	2.53	121.31	14.46
HB-193	3.8	1.1	6737.12	55.21	197.14	7783.38	434.54	847.86	109.80	107.79	152.66	3.14	127.29	16.19
HB-194	3.9	0.9	6320.79	55.04	198.70	7217.42	441.81	854.12	94.78	148.03	132.53	3.45	120.84	16.35
HB-195	3.8	0.7	6524.31	51.30	187.62	7967.58	415.37	961.74	69.84	125.59	129.73	3.49	133.11	16.75
HB-196	3.9	0.7	4675.30	41.70	167.28	5575.14	364.54	653.57	60.57	113.13	96.61	2.92	101.95	12.11
HB-197	4.2	5.3	4233.63	32.07	166.26	4324.76	297.01	444.49	36.44	84.49	126.97	2.44	80.41	11.92
HB-198	4.0	0.6	4963.41	35.07	113.83	5883.32	370.52	620.91	49.64	117.44	119.64	2.54	103.80	12.28
HB-199	4.0	4.0	4527.24	32.95	121.43	4955.81	330.64	452.13	48.03	114.27	127.31	2.68	88.17	12.13
HB-200	4.1	0.7	4171.83	31.58	101.48	4762.59	368.37	494.78	34.39	100.52	101.59	2.39	88.95	9.51
HB-201	4.4	6.6	4788.63	35.80	201.41	4641.77	341.73	503.19	58.84	106.59	141.26	3.02	88.36	14.09
HB-202	3.9	0.7	4429.70	34.85	119.63	5105.66	372.05	552.80	50.71	130.80	107.27	2.61	92.26	10.94
HB-203	4.4	6.3	4395.56	31.71	116.79	4517.61	329.39	468.89	53.30	124.98	138.77	2.42	84.77	12.53
HB-204	4.0	0.9	4572.44	37.91	123.83	5353.75	388.24	596.41	34.58	122.45	132.78	2.65	94.60	11.76
HB-205	4.8	6.6	3811.59	37.89	353.17	3892.53	302.90	418.58	92.69	89.87	119.78	4.29	77.20	13.30
HB-206	4.1	0.5	4278.83	46.13	112.47	4902.14	345.78	497.02	59.15	112.47	96.57	2.31	93.00	16.35
HB-207	4.2	3.4	4771.47	31.34	133.28	5391.48	314.51	514.57	38.12	120.23	127.47	2.48	99.38	12.42
HB-208	4.1	0.7	4923.02	41.76	113.34	6096.63	371.54	590.47	40.03	111.43	116.07	2.36	111.14	11.08
HB-209	4.6	6.1	5269.58	66.24	868.84	5231.25	420.16	645.50	135.53	127.53	228.18	9.77	101.04	24.23
HB-210	4.3	0.9	5960.51	39.89	137.65	7805.81	440.95	890.54	66.18	124.08	134.93	2.87	134.83	15.18
HB-211	5.0	6.7	5303.77	65.91	948.39	5653.41	508.38	678.50	165.72	116.11	202.19	9.69	108.88	24.41
HB-212	4.0	0.7	6051.24	41.12	145.93	7768.67	412.25	897.74	61.13	125.35	122.04	2.89	132.15	15.68
HB-213	4.2	4.9	4717.09	31.76	163.12	5103.89	358.33	537.42	44.69	91.74	134.22	2.60	98.66	14.11

Table D.3 Geochemical Information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog Number[1]	pH	organic matter[2]	Geochemistry[3]											
			Al	Ba	Ca	Fe	K	Mg	Mn	Na	P	Sr	Ti	Zn
HB-214	4.1	1.0	5817.69	40.89	151.98	7159.51	390.66	776.13	55.15	137.96	133.30	2.75	124.37	14.48
HB-215	4.2	5.2	5011.65	41.32	152.26	5140.23	330.16	527.49	90.73	105.17	139.98	2.88	100.18	20.46
HB-216	4.0	1.4	5566.88	43.91	108.91	6313.52	350.42	688.53	67.41	80.17	119.41	2.44	116.18	15.29
HB-217	4.4	7.4	4305.49	58.82	724.94	3543.13	261.56	497.53	159.10	85.42	137.74	7.73	72.67	18.19
HB-218	4.2	1.4	4333.50	37.07	89.13	4736.91	248.86	518.24	71.78	81.61	94.36	1.95	93.54	11.58
HB-219	5.0	9.5	4054.88	70.82	1605.35	3749.76	328.81	532.31	162.04	87.28	134.34	14.10	76.93	17.53
HB-220	4.3	1.3	4492.94	41.51	124.35	5213.90	283.79	584.52	48.37	75.95	110.06	2.25	100.64	10.77
HB-221	4.5	3.8	7380.10	59.47	251.96	6952.55	329.85	856.93	240.50	73.03	158.87	2.86	129.40	30.57
HB-222	4.3	1.2	7194.79	57.92	116.40	7324.96	285.55	742.39	118.45	93.56	125.04	2.13	132.71	21.12
HB-223	4.3	3.8	6789.31	49.87	190.46	6963.38	311.83	778.75	195.18	91.62	151.42	2.34	122.15	25.00
HB-224	4.3	1.6	6567.86	51.44	141.43	6964.86	288.98	750.28	122.72	89.22	123.76	1.96	126.75	22.66
HB-225	4.4	4.6	6167.62	53.20	207.74	5995.94	287.72	718.73	169.33	79.11	148.36	2.33	111.37	27.16
HB-226	4.2	1.4	6472.07	57.86	161.97	6814.79	304.34	735.55	113.50	113.96	132.16	2.20	125.45	22.27
HB-227	4.5	3.4	5655.44	49.69	259.01	5519.60	320.53	668.53	184.30	85.86	126.60	2.76	103.86	23.62
HB-228	4.3	1.1	5073.49	46.55	140.94	5897.92	273.19	597.19	70.65	84.29	100.47	1.87	109.47	17.70
HB-229	4.4	5.1	5588.85	51.92	299.34	5579.89	335.66	693.34	182.68	90.75	155.05	3.06	102.79	28.77
HB-230	4.2	1.1	6235.61	55.05	180.05	6536.83	297.41	673.01	98.46	111.54	126.25	2.35	119.96	21.09
HB-231	4.4	4.8	5554.98	54.17	265.15	5946.95	328.67	697.42	148.37	99.30	162.71	3.37	110.21	28.80
HB-232	4.4	0.9	5549.24	55.27	182.76	6498.00	312.47	704.23	74.04	93.75	137.76	2.57	121.06	19.98
HB-233	4.2	4.5	5600.17	54.26	319.98	6493.27	343.65	717.26	152.47	98.41	176.27	3.52	110.24	126.89
HB-234	4.4	1.1	5390.56	45.32	158.13	6119.61	319.05	657.18	94.83	106.51	120.12	2.33	114.08	71.32
HB-235	4.4	4.7	5213.11	54.02	253.64	6135.82	318.83	639.19	140.11	124.47	142.04	3.22	102.88	172.86
HB-236	4.3	1.3	4599.77	44.95	161.28	5069.39	283.29	520.80	61.16	83.89	91.40	2.22	98.16	165.71
HB-237	4.0	0.5	5510.65	45.32	156.28	8141.11	278.96	699.05	75.87	75.57	305.28	1.87	147.14	344.34
HB-238	5.2	0.5	5107.02	69.60	274.02	7116.63	299.63	747.80	275.24	101.42	119.15	2.47	151.91	30.15
HB-239	3.9	1.1	5870.97	52.22	188.93	5519.66	261.81	505.42	92.95	101.88	128.07	2.75	103.69	21.20
HB-240	4.2	0.6	6128.12	46.27	289.51	9221.95	317.51	955.44	81.51	106.28	162.23	2.94	168.28	40.42
HB-241	3.7	2.4	4284.68	35.11	141.95	4671.03	283.31	494.68	29.92	93.03	85.93	2.23	83.75	98.42

Table D.3 Geochemical Information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog Number[1]	pH	organic matter[2]	Geochemistry[3]											
			Al	Ba	Ca	Fe	K	Mg	Mn	Na	P	Sr	Ti	Zn
HB-242	3.9	1.1	6668.52	60.59	220.06	7494.82	337.31	843.20	140.80	90.27	152.45	2.35	137.94	122.52
HB-243	3.9	0.9	5426.92	47.41	193.94	5359.44	281.76	536.81	36.23	112.11	126.03	2.59	104.01	27.73
HB-244	3.9	1.4	6256.68	63.46	201.50	6391.54	302.25	681.88	133.91	79.23	148.54	2.39	122.20	28.42
HB-245	4.2	2.0	5520.15	43.24	202.02	5561.44	279.63	606.63	70.67	86.81	137.48	2.25	102.88	25.49
HB-246	4.1	1.8	5104.61	44.08	184.60	5169.14	267.37	582.96	51.17	105.75	109.65	2.28	97.01	25.49
HB-247	3.6	0.6	3649.96	27.59	175.22	4406.67	251.90	511.23	30.91	109.42	90.77	2.12	88.71	21.09
HB-248	3.6	0.8	4517.97	32.81	180.47	4907.80	279.68	546.34	35.32	92.94	101.70	2.27	98.09	13.44
HB-249	4.2	1.0	3933.71	34.93	165.24	4549.10	267.28	490.37	35.93	69.22	83.40	1.84	85.77	12.77
HB-250	4.2	1.4	5676.01	53.22	239.24	6042.80	281.57	701.12	113.85	104.57	112.52	2.76	121.96	17.90
HB-251	4.6	0.6	3637.11	41.58	230.58	4533.13	256.88	565.37	81.20	96.59	89.40	2.19	92.19	12.72
HB-252	4.5	0.6	5653.31	55.81	188.19	6287.06	284.28	668.55	63.71	101.51	189.91	2.33	120.32	16.02
HB-253	3.9	0.4	5898.21	38.49	159.34	8279.30	295.26	820.98	57.73	67.83	198.81	1.82	147.01	17.37
HB-254	3.9	0.6	5294.44	51.03	161.78	6886.34	286.42	629.64	64.98	103.03	176.83	2.01	124.79	17.94
HB-255	4.2	0.2	5097.91	30.15	181.48	8493.00	298.69	739.91	66.31	85.62	244.11	2.25	152.20	15.18
HB-256	3.8	0.3	4654.45	36.83	165.58	6980.30	294.33	781.26	55.77	97.18	208.62	1.62	123.94	18.73
HB-257	4.4	0.2	6000.41	23.88	277.17	10276.90	340.63	745.36	55.02	56.32	181.44	2.56	196.50	15.46
HB-258	3.9	1.1	5231.09	36.49	216.24	6438.07	263.04	655.25	46.27	96.61	126.48	2.19	115.57	245.37
HB-259	4.2	0.2	9793.60	43.59	227.28	17957.00	420.18	1178.85	96.99	98.13	248.13	2.50	285.87	82.05
Locus A-1	4.0	1.4	5081.81	46.47	67.55	5247.11	173.48	522.09	93.04	16.08	88.48	1.67	92.92	17.84
Locus A-2	4.1	0.8	5109.61	42.70	59.73	5137.27	178.30	563.83	82.26	16.42	97.50	1.41	94.00	15.79
Locus A-3	4.0	1.1	5004.27	44.82	52.16	4941.93	175.29	503.41	77.87	15.66	68.37	1.42	91.89	15.25
Locus A-4	3.9	1.0	5690.23	51.60	48.69	4990.34	151.34	564.47	76.59	18.54	86.24	1.43	95.95	14.36
Locus A-5	3.9	1.8	5432.37	53.07	51.66	4910.45	173.21	506.53	82.39	15.99	93.98	1.45	93.09	16.66
Locus A-6	3.9	1.5	5443.77	55.80	73.39	5444.24	214.12	577.21	104.86	20.81	91.63	1.78	99.11	25.59
Locus A-7	3.9	1.3	5390.68	55.42	74.97	4905.11	194.83	542.25	105.59	23.37	80.44	1.59	91.52	21.28
Locus A-8	3.9	0.7	4086.43	38.13	50.10	4033.98	142.28	447.41	67.06	12.12	68.47	1.18	79.07	15.04
Locus A-9	4.0	1.5	5057.55	53.09	102.21	5483.84	179.87	557.39	145.44	13.78	91.09	1.87	104.05	25.42
Locus A-10	4.0	1.2	5614.14	62.67	58.62	5618.58	171.21	603.63	152.92	22.35	101.11	1.69	105.04	18.97

Table D.3 Geochemical Information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog Number[1]	pH	organic matter[2]	Geochemistry[3]											
			Al	Ba	Ca	Fe	K	Mg	Mn	Na	P	Sr	Ti	Zn
Locus A-11	4.0	1.3	5906.04	57.27	76.53	5478.53	194.50	570.40	125.42	21.52	96.25	1.63	100.76	19.44
Locus A-12	3.8	0.8	4474.51	46.74	39.16	4552.07	151.59	525.57	64.45	16.34	76.41	1.12	87.04	13.37
Locus A-13	4.1	0.9	5450.25	46.69	66.99	5813.55	174.91	632.95	80.05	7.79	89.28	1.30	109.11	16.16
Locus A-14	4.0	0.9	4586.98	49.58	41.84	4483.27	160.87	522.36	89.04	10.50	80.60	1.18	84.92	16.42
Locus A-15	4.1	0.8	4994.46	54.50	43.25	4962.46	150.87	543.85	83.56	13.92	95.84	1.36	93.33	12.95
Locus A-16	3.9	0.8	5605.89	51.15	48.60	5544.22	152.18	616.43	94.26	10.55	100.47	1.12	108.02	15.50
Locus A-17	4.0	0.8	3825.00	39.15	38.43	4147.90	127.19	522.53	64.96	5.83	74.14	0.97	86.16	11.91
Locus A-18	3.9	0.9	5262.41	56.58	24.85	4982.60	135.58	487.07	105.64	8.62	100.32	1.05	100.16	12.66
Locus A-19	3.8	1.0	4977.44	41.40	23.76	5192.15	130.96	601.74	93.61	9.72	101.12	0.95	103.73	15.72
Locus A-20	3.8	0.8	4934.24	47.99	29.17	5318.82	152.42	608.83	89.52	10.06	119.06	1.09	106.06	15.21
Locus A-21	3.9	1.1	6328.17	68.36	59.56	5872.61	197.57	603.01	128.55	13.42	153.55	1.40	116.56	20.77
Locus A-22	4.1	0.8	4150.83	45.25	45.61	4931.21	202.13	534.65	85.66	13.79	96.94	1.10	97.99	20.74
Locus A-23	3.8	1.2	4839.40	52.11	51.74	5152.70	156.40	562.18	90.25	12.24	112.91	1.14	95.12	14.86
Locus A-24	4.0	0.8	4707.12	48.24	63.08	5029.62	155.36	524.94	75.80	11.08	100.58	1.20	98.28	14.29
Locus A-25	4.0	1.2	4629.27	52.84	62.83	4256.64	134.01	416.96	109.26	7.02	121.95	1.18	89.10	12.29
Locus A-26	4.4	0.6	3717.16	39.88	106.98	4217.48	135.80	438.83	72.07	9.81	94.71	2.17	86.66	9.46
Locus A-27	3.8	1.0	5434.49	44.06	51.97	5473.21	177.81	550.89	83.81	15.12	120.09	1.12	107.19	16.63
Locus A-28	4.0	1.1	4781.73	49.56	72.77	4916.66	170.74	477.74	82.32	12.51	113.28	1.31	100.04	15.71
Locus A-29	4.4	0.6	4917.33	50.26	184.38	5624.21	157.06	623.43	82.93	15.13	134.54	3.09	114.51	12.02
Locus A-30	4.0	0.9	5360.04	59.72	91.79	5189.11	152.69	509.08	105.49	11.57	138.70	1.51	98.12	16.19
Locus A-31	4.1	0.7	5304.09	57.68	80.48	5138.15	163.02	532.02	68.83	17.00	94.62	1.63	95.62	13.82
Locus A-32	3.8	0.8	4772.00	51.70	57.75	4939.16	161.61	508.18	83.74	10.96	103.69	1.24	98.59	12.75
Locus A-33	4.1	1.2	6358.00	87.31	119.58	5998.48	173.71	571.77	173.06	13.11	204.76	2.68	124.80	19.79
Locus A-34	4.0	1.0	5769.61	60.06	80.88	5686.89	151.98	532.88	97.68	12.81	172.19	1.74	117.51	16.19
Locus A-35	4.1	1.0	3641.15	36.49	69.12	4017.75	136.86	413.68	52.03	23.08	116.05	1.41	85.89	12.51
Locus A-36	3.8	1.1	4930.78	56.45	102.38	5487.33	151.29	538.33	70.92	17.51	145.49	2.29	110.25	14.13
Locus A-37	4.5	0.8	4751.64	58.56	167.01	5460.82	181.52	581.34	97.77	19.09	160.95	3.57	115.40	12.50
Locus A-38	4.3	0.6	5329.53	70.93	140.90	5717.90	188.60	621.66	119.83	20.12	140.43	2.66	110.19	13.94

Table D.3 Geochemical Information for Hickory Bluff Geoarchaeology Samples (Continued)

Catalog Number[1]	pH	organic matter[2]	Geochemistry[3]											
			Al	Ba	Ca	Fe	K	Mg	Mn	Na	P	Sr	Ti	Zn
Locus A-39	4.6	0.8	4389.17	43.40	93.91	4488.92	201.06	502.80	63.02	50.79	88.67	1.74	85.93	13.90
Locus A-40	4.0	1.2	4846.81	42.00	71.10	5034.38	176.98	560.74	77.02	32.21	114.06	1.44	96.77	13.74
Locus A-41	4.0	1.5	5101.93	73.31	130.13	5001.05	179.15	532.05	146.54	34.47	154.92	2.76	95.69	13.09
Locus A-42	4.0	1.0	5491.61	64.70	108.41	5053.07	184.60	525.94	116.36	19.37	123.83	2.00	106.92	15.35
Locus A-43	3.9	1.8	5441.33	52.41	75.49	4876.83	137.62	421.90	101.75	15.52	110.50	1.37	93.35	15.81
Locus A-44	4.0	0.9	5355.19	54.19	91.07	8391.42	210.71	516.58	84.01	5.07	111.20	1.35	162.21	13.57
Locus A-45	3.9	1.1	4720.15	48.50	71.00	4782.49	155.13	464.56	74.62	14.33	114.07	1.41	97.41	13.98

Notes: [1] Unique number that identifies each sample.
[2]organic matter (OM) content in percent.
[3]elemental abundances in parts per million (ppm).

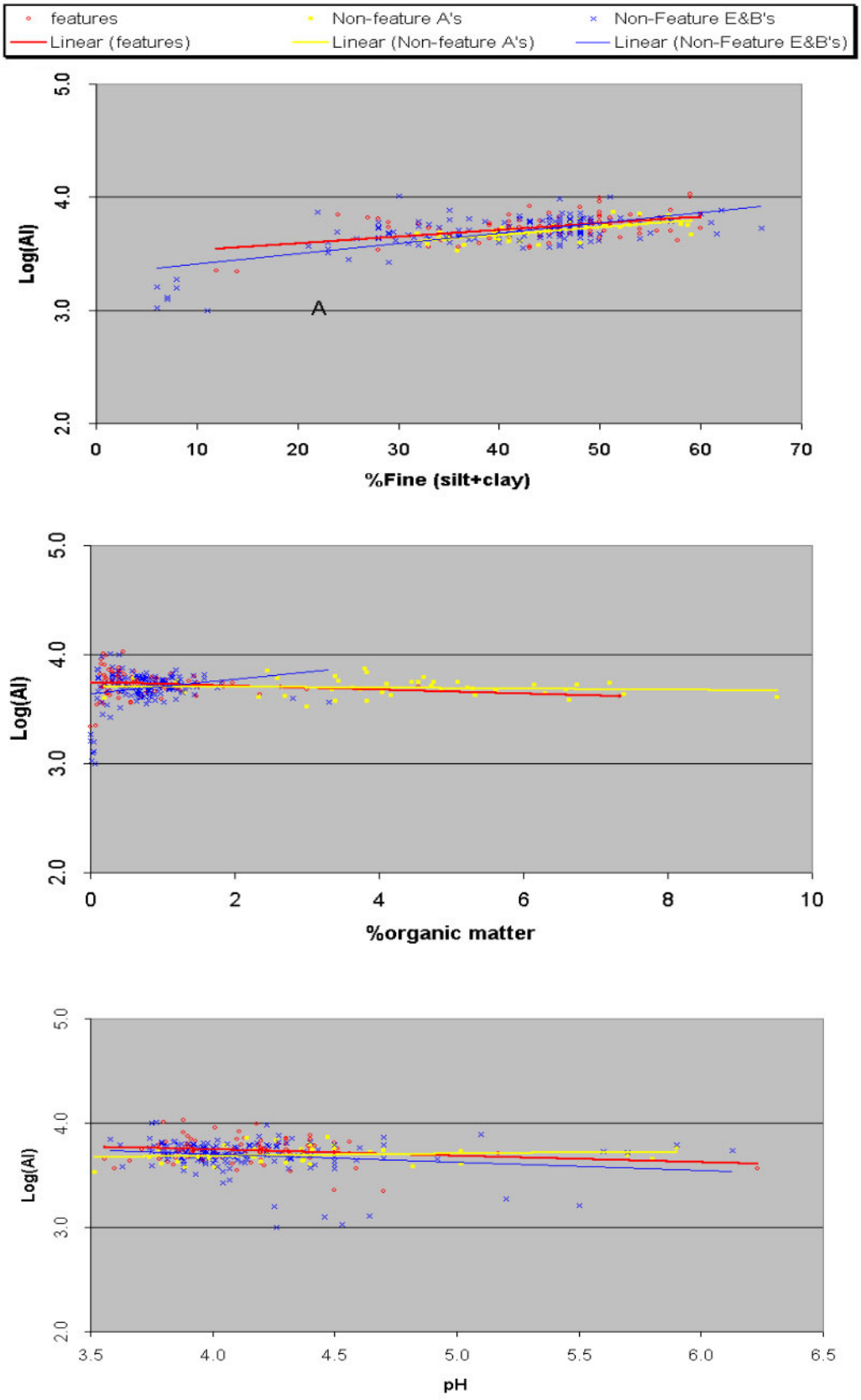


Figure D.1 Scatterplots For Aluminum

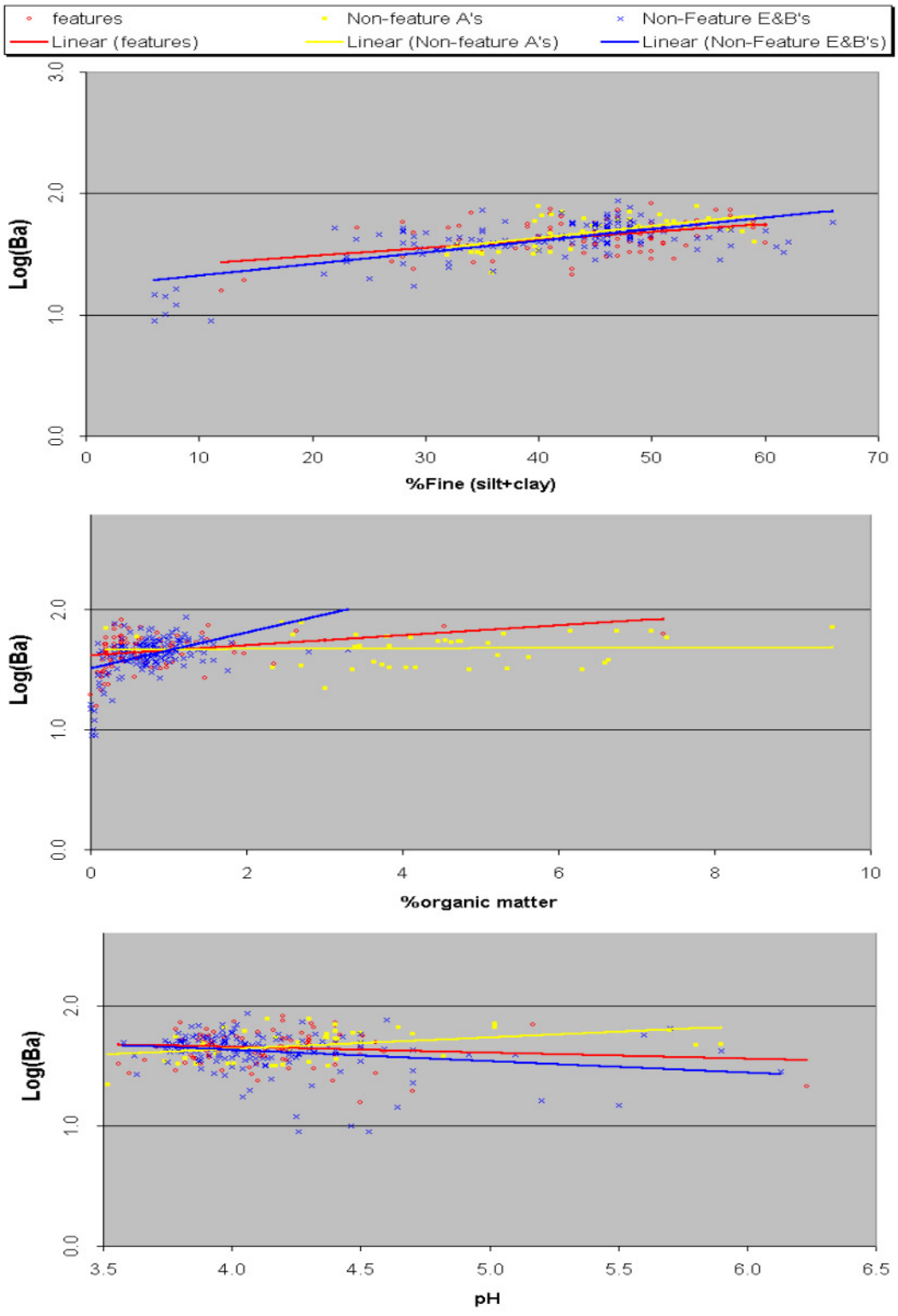


Figure D.2 Scatterplots For Barium

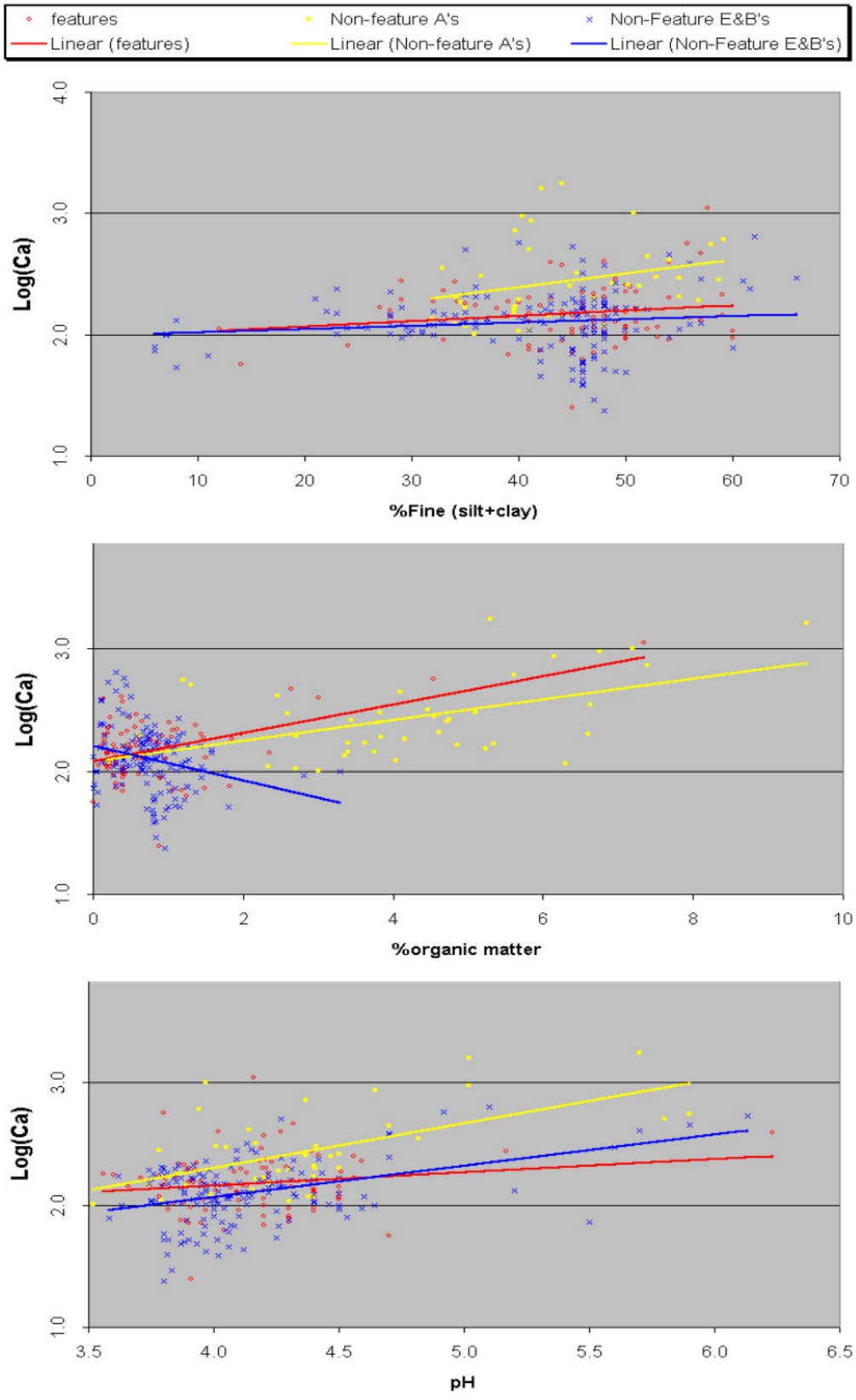


Figure D.3 Scatterplots For Calcium

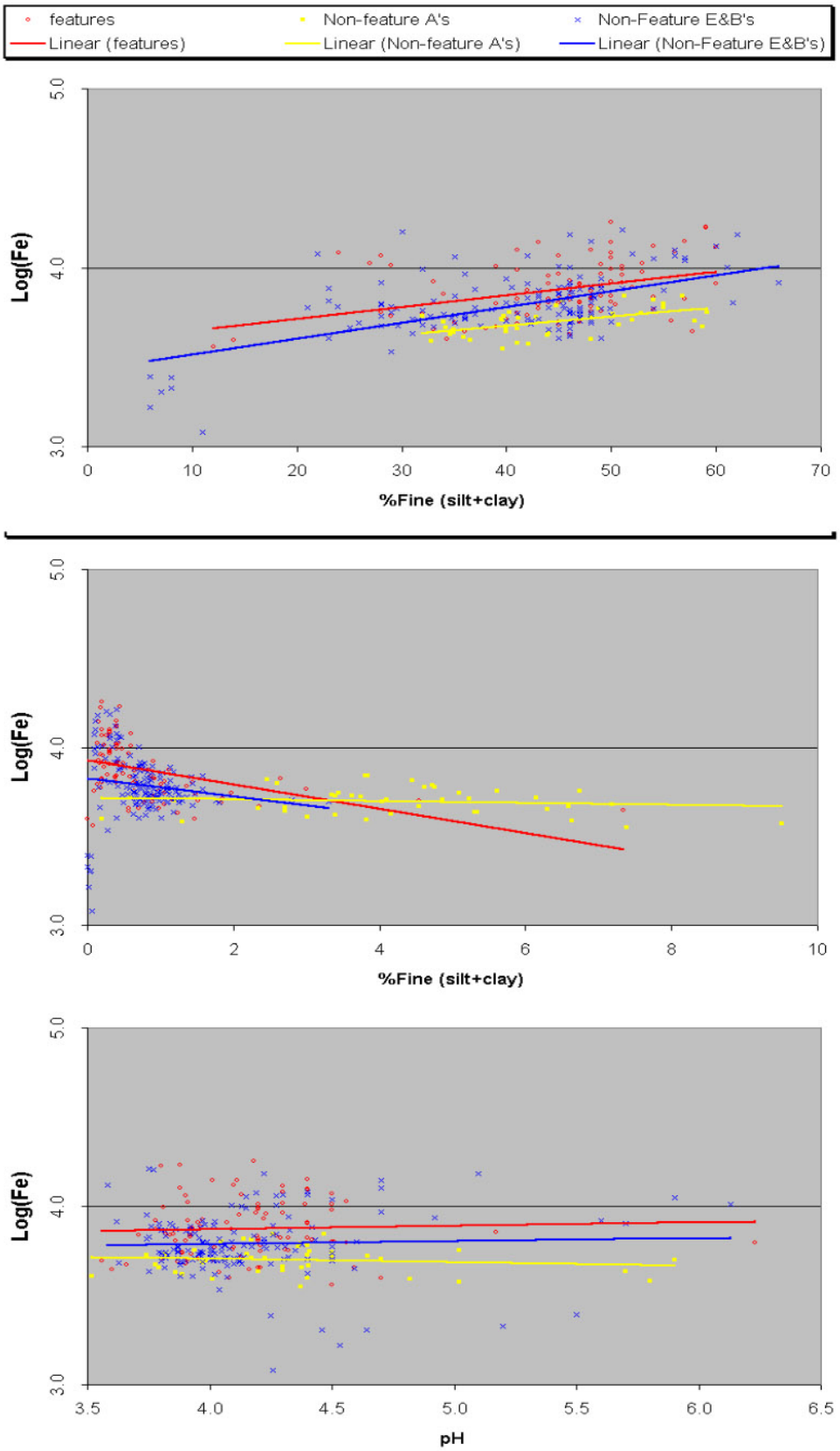


Figure D.4 Scatterplots For Iron

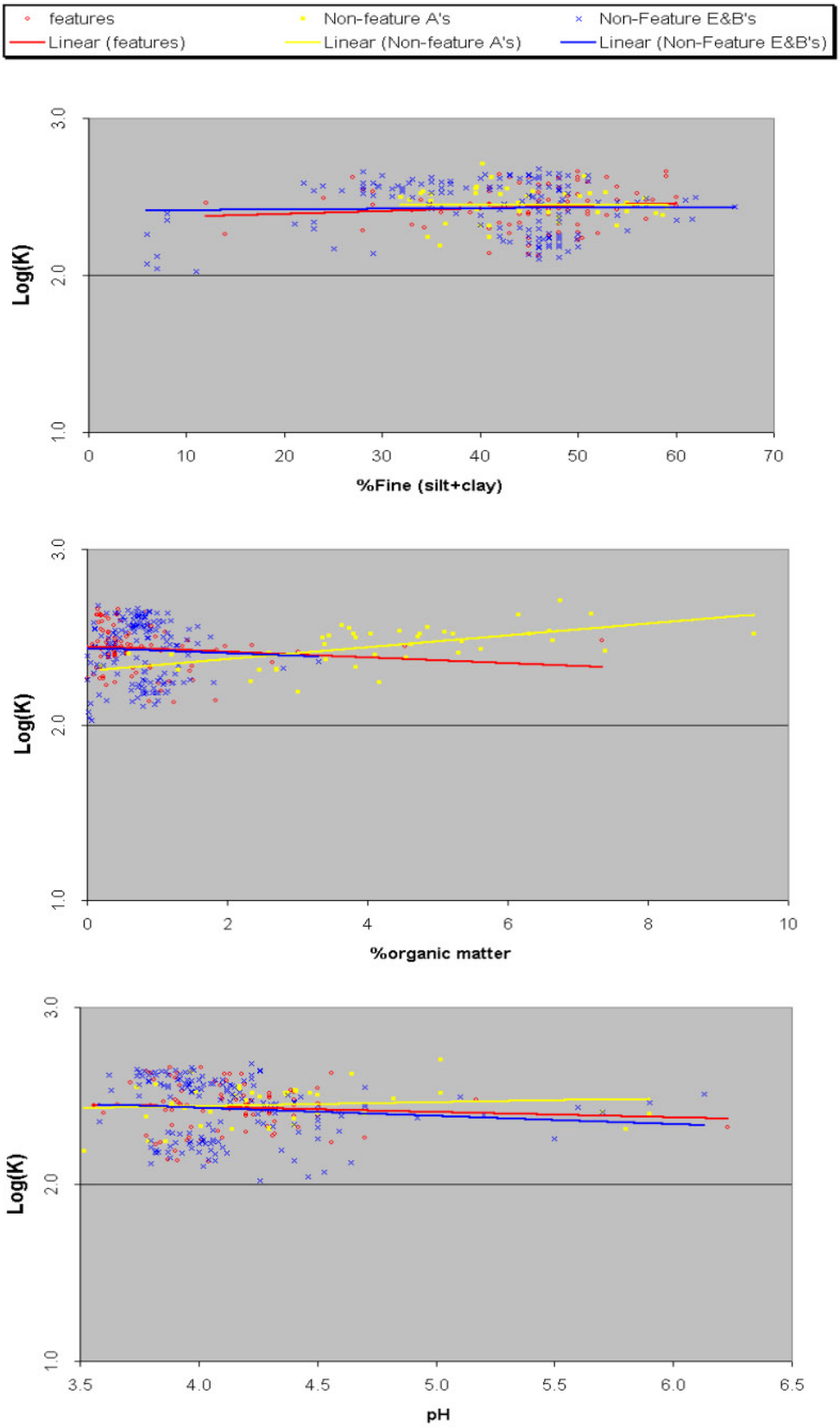


Figure D.5 Scatterplots For Potassium

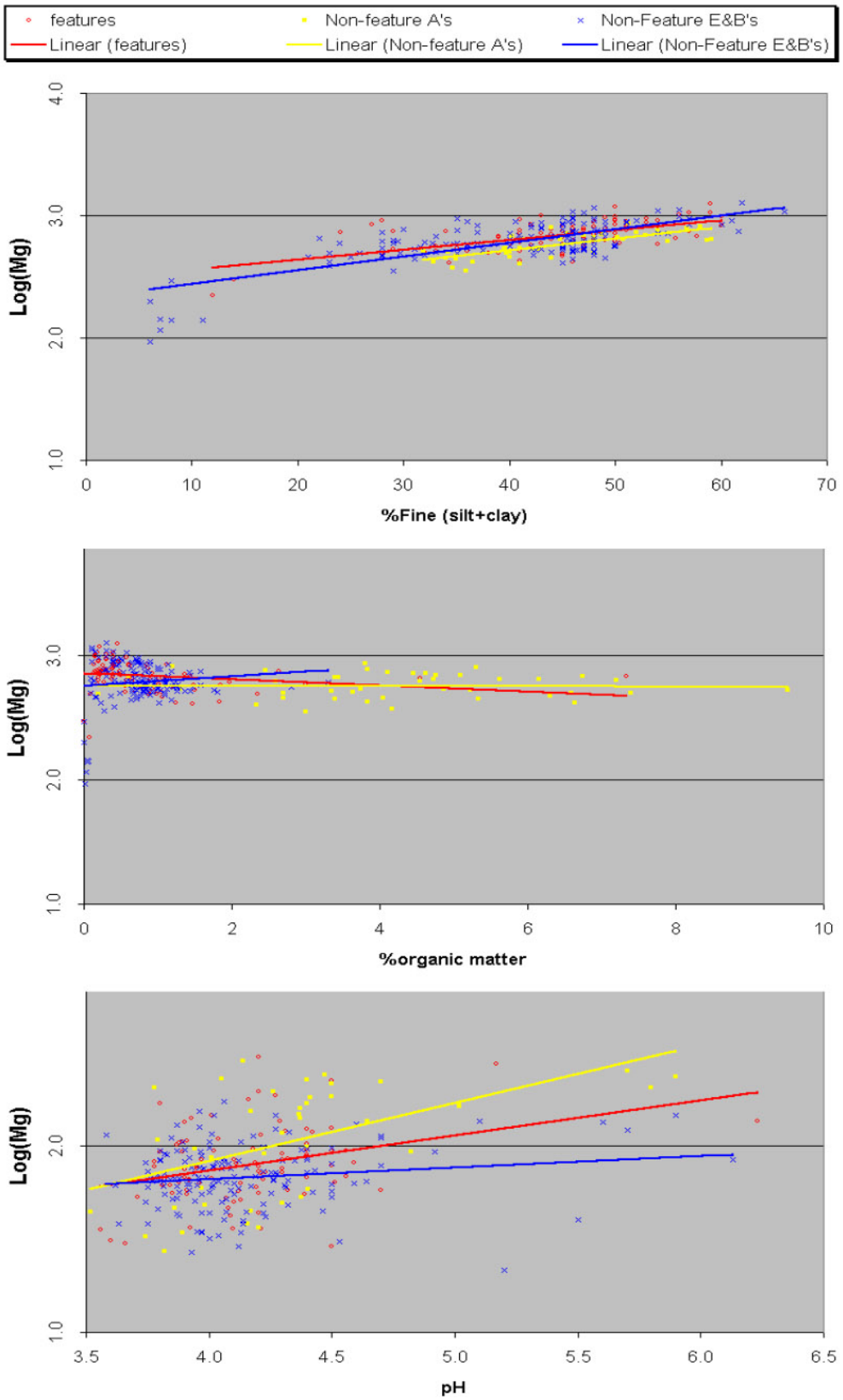


Figure D.6 Scatterplots For Magnesium

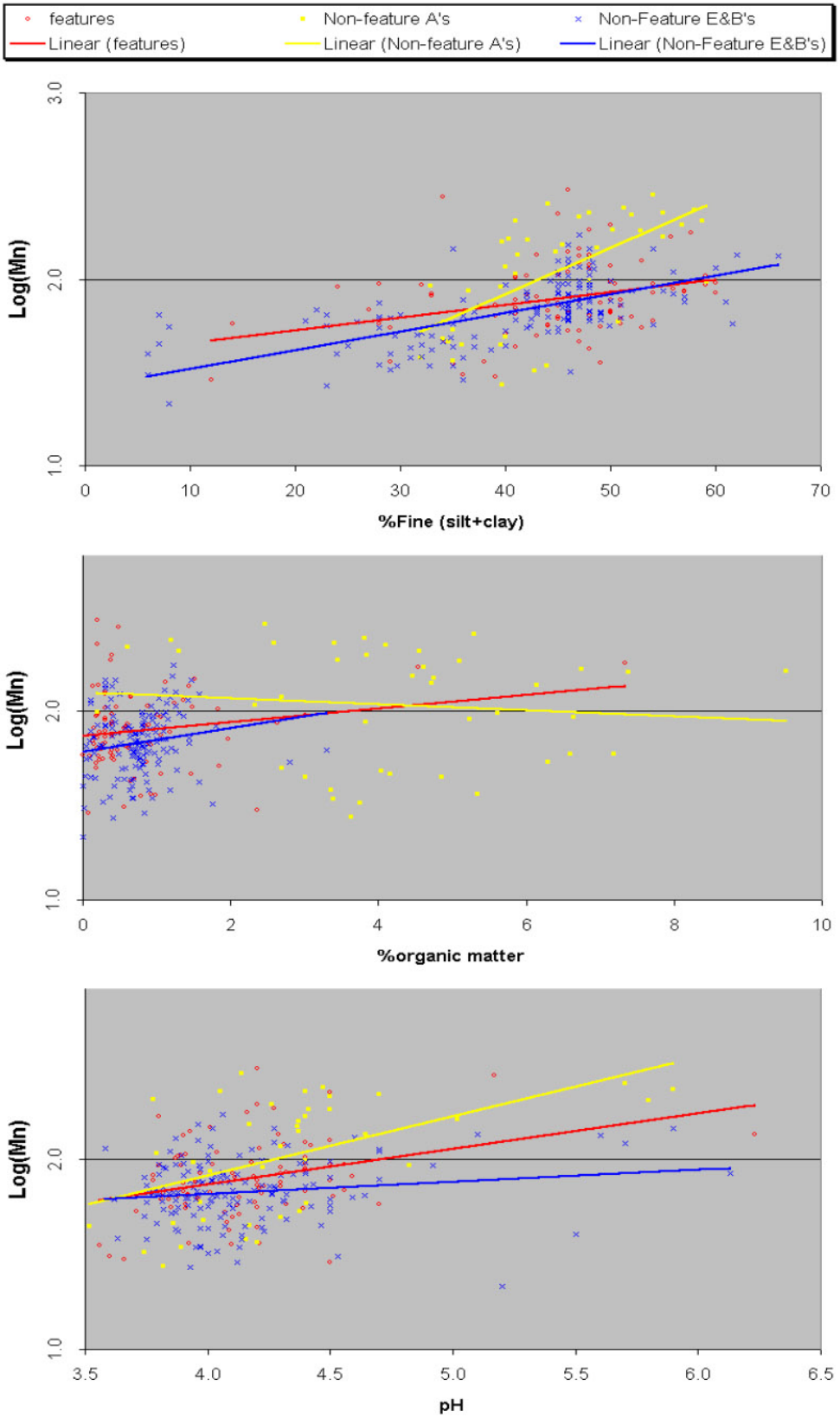


Figure D.7 Scatterplots For Manganese

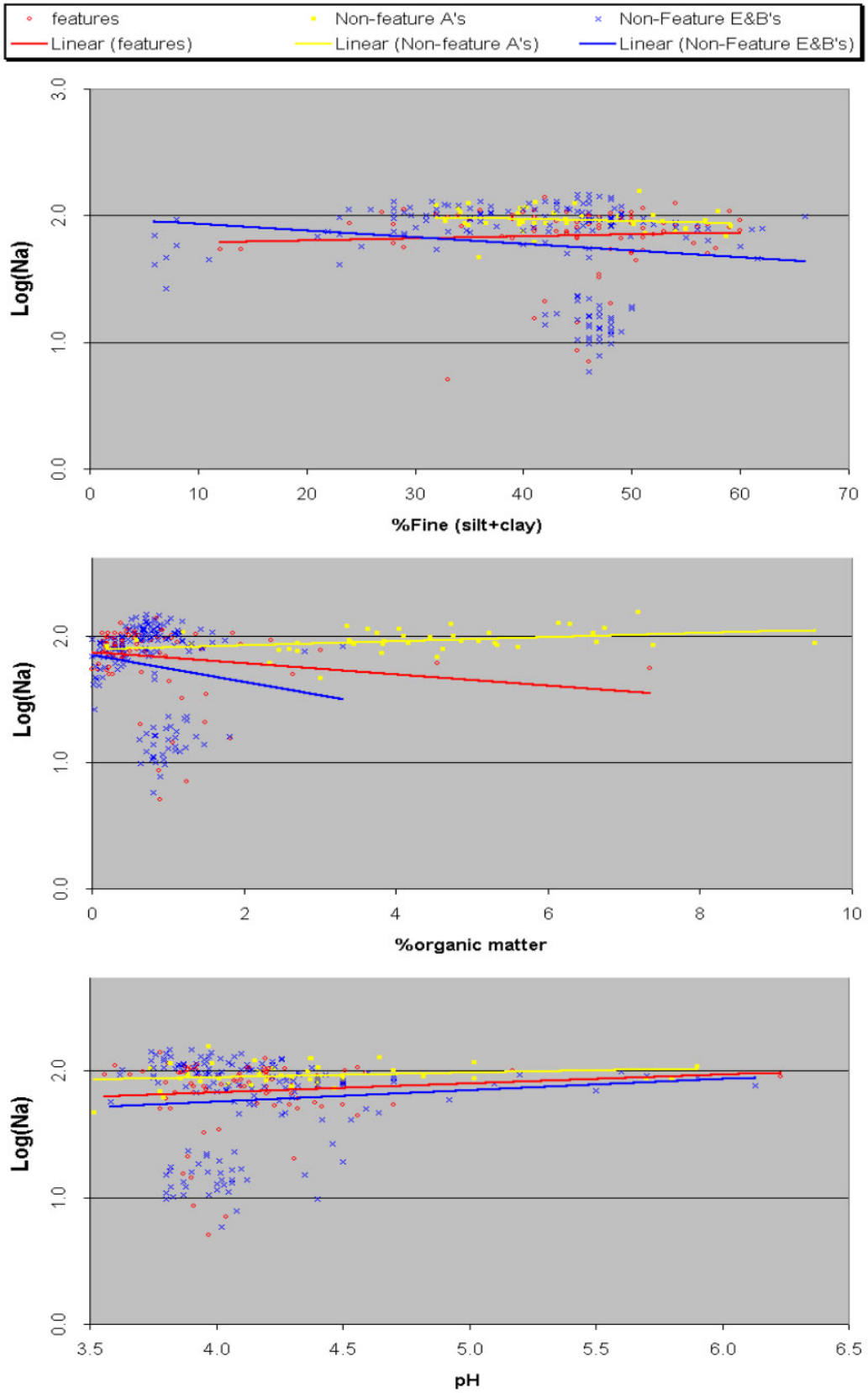


Figure D.8 Scatterplots For Sodium

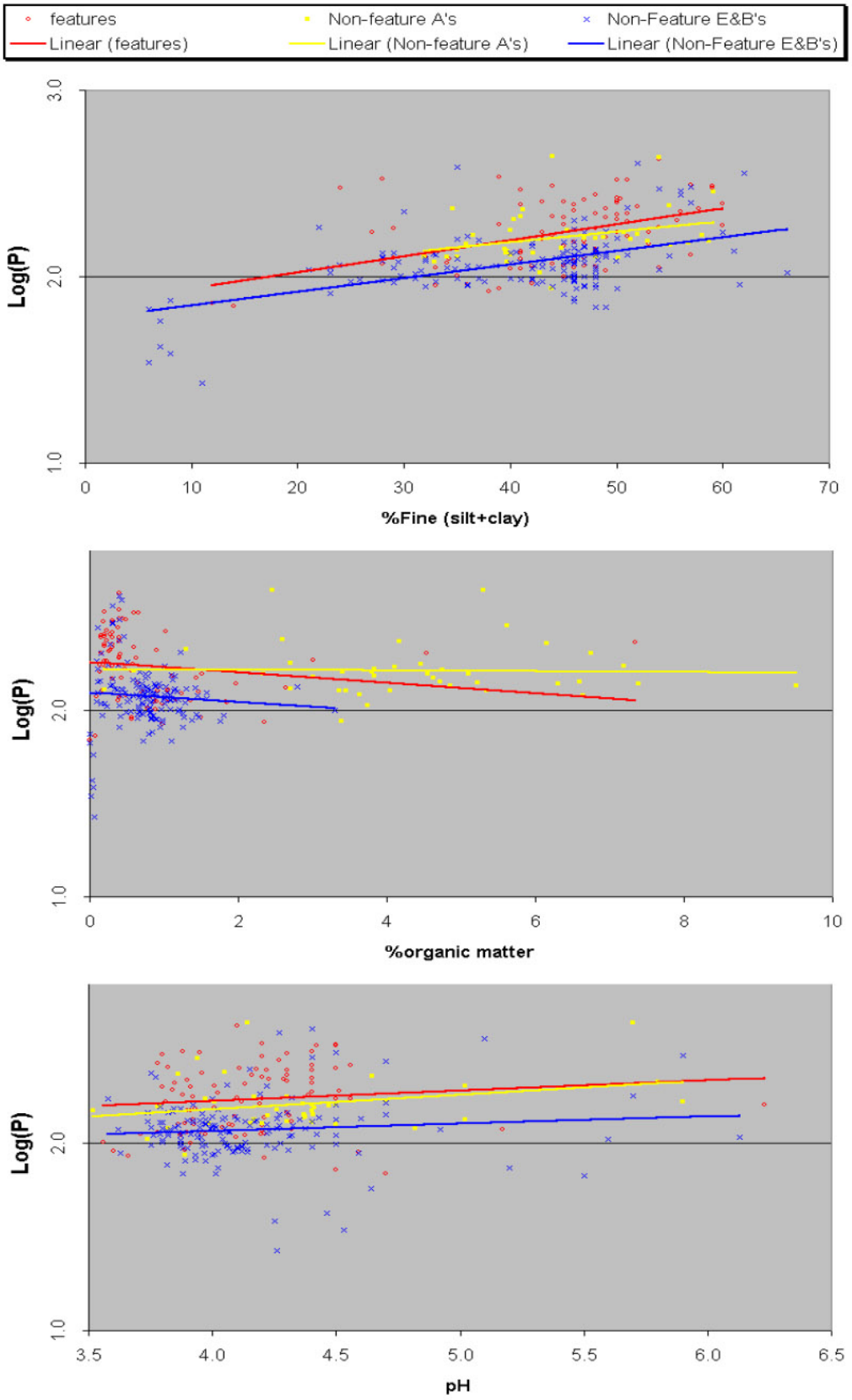


Figure D.9 Scatterplots For Phosphorus

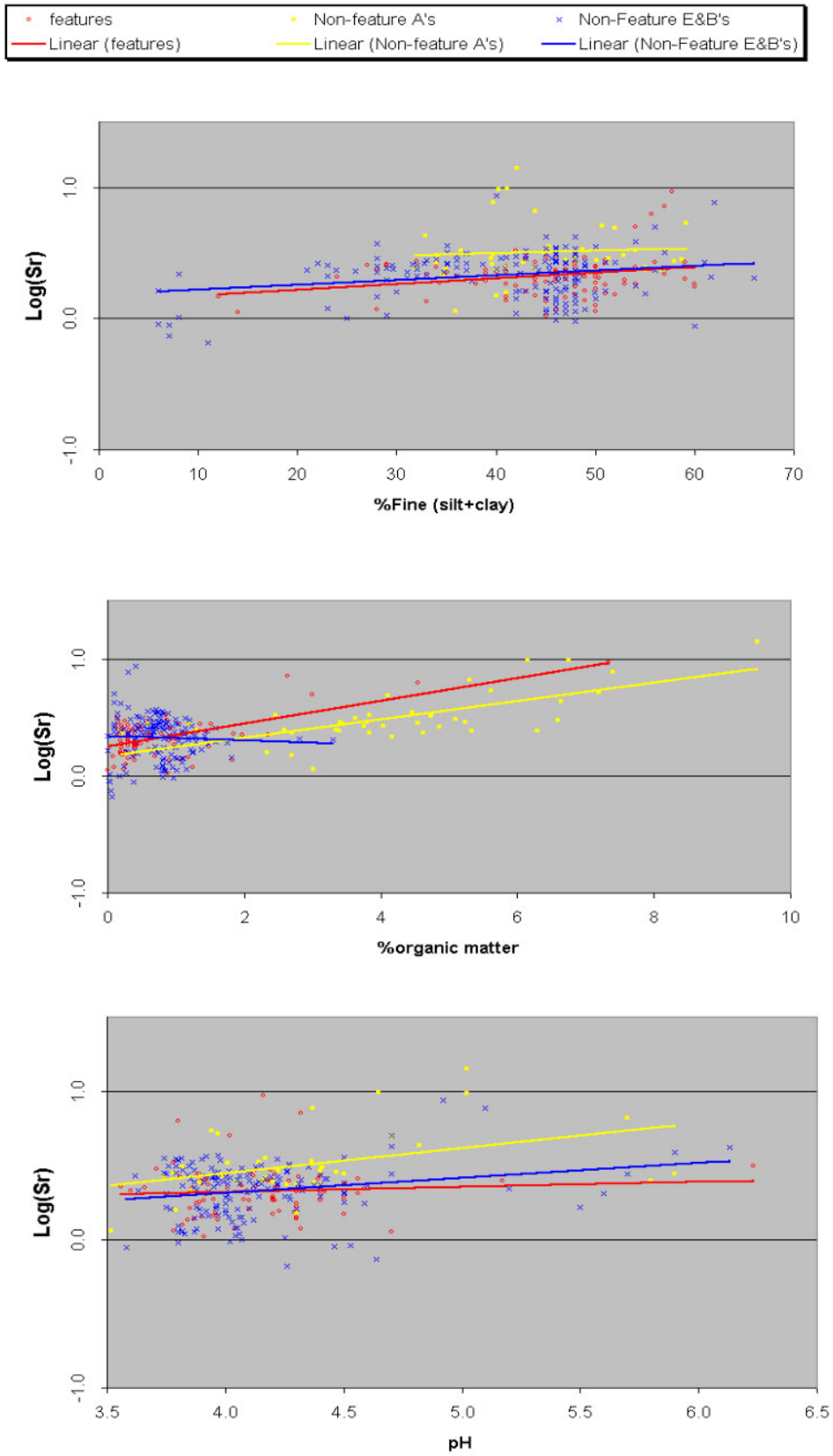


Figure D.10 Scatterplots For Strontium

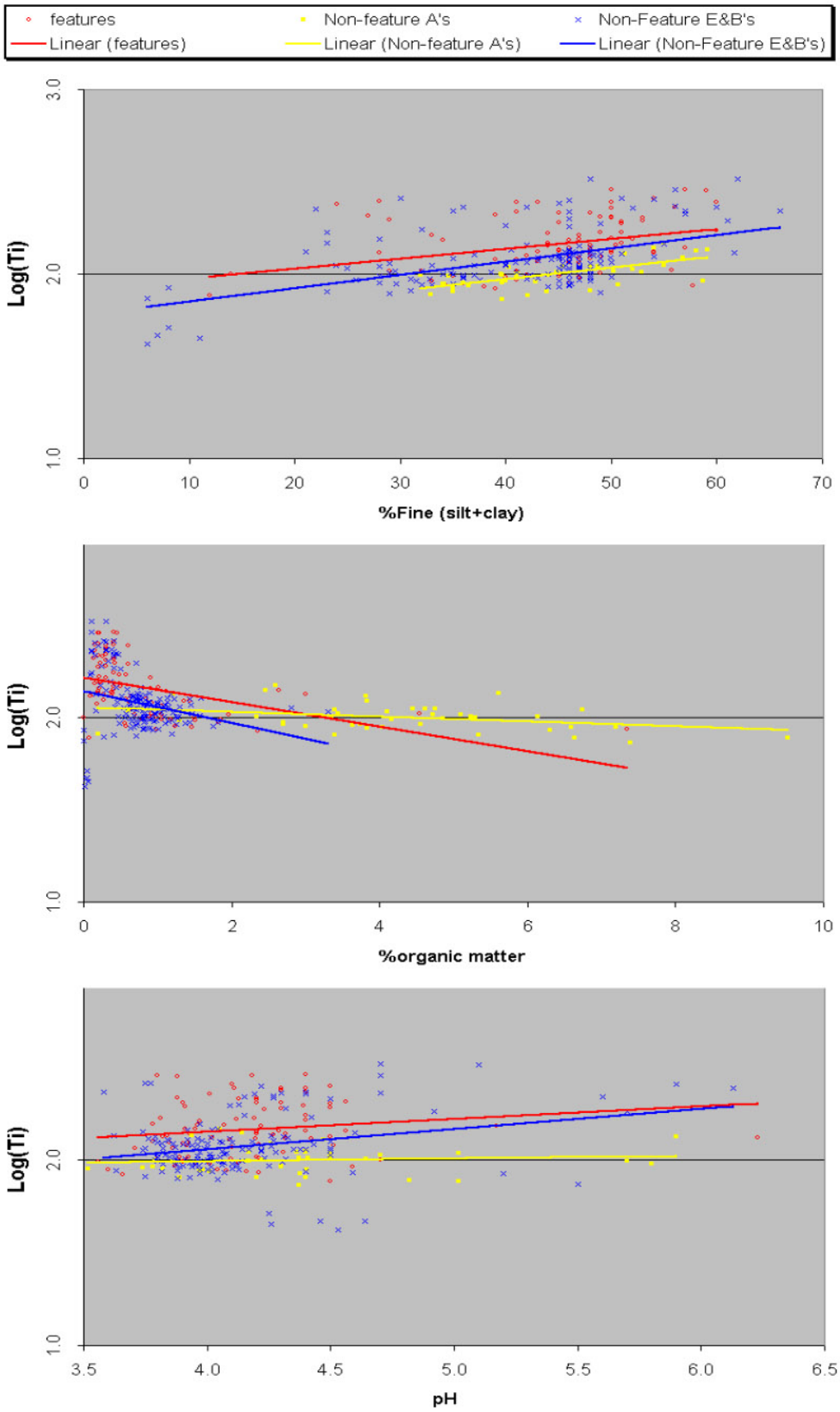


Figure D.11 Scatterplots For Titanium

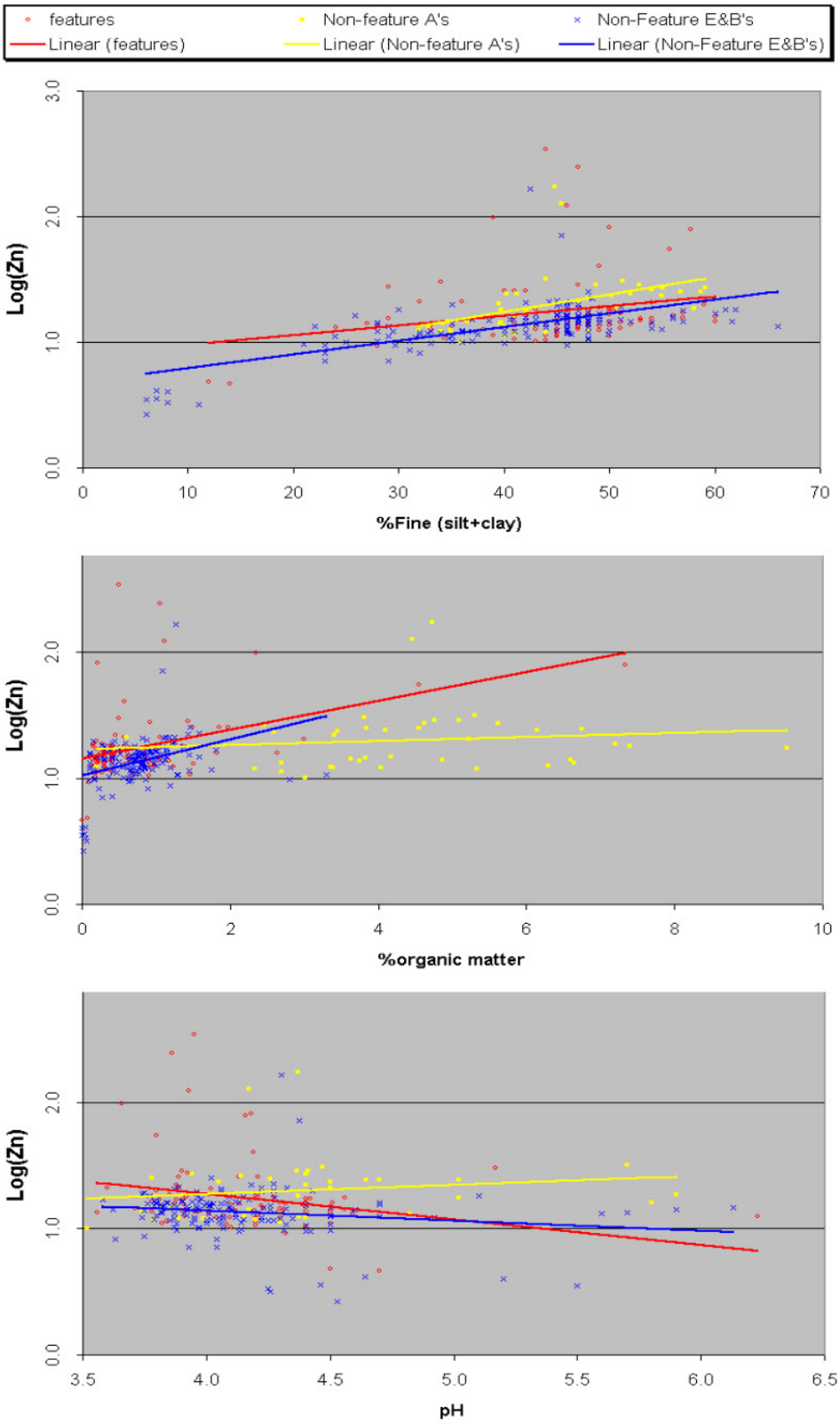
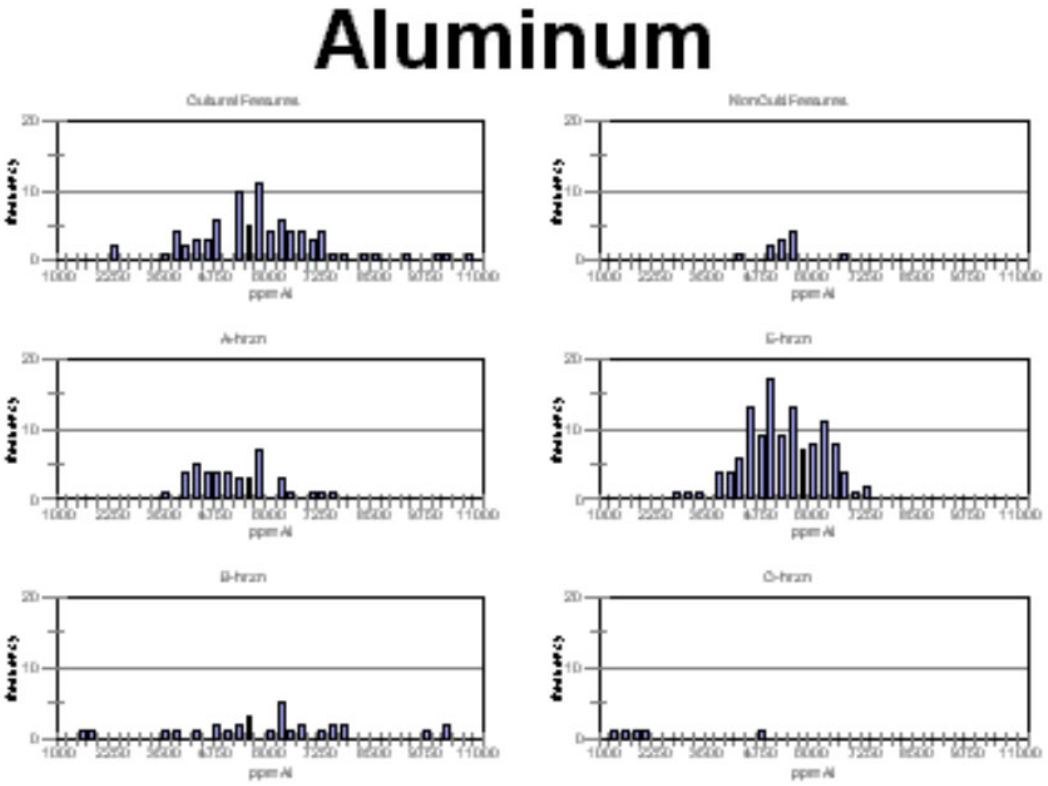


Figure D.12 Scatterplots For Zinc



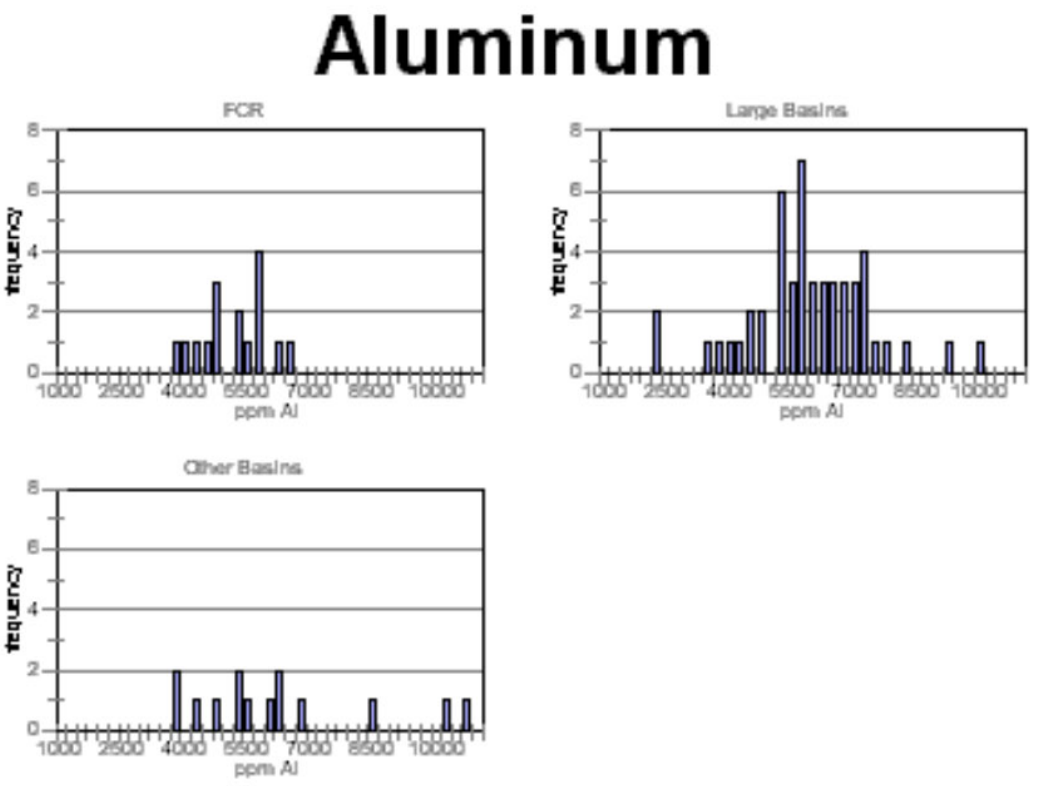


Figure D.13 Histograms For Aluminum

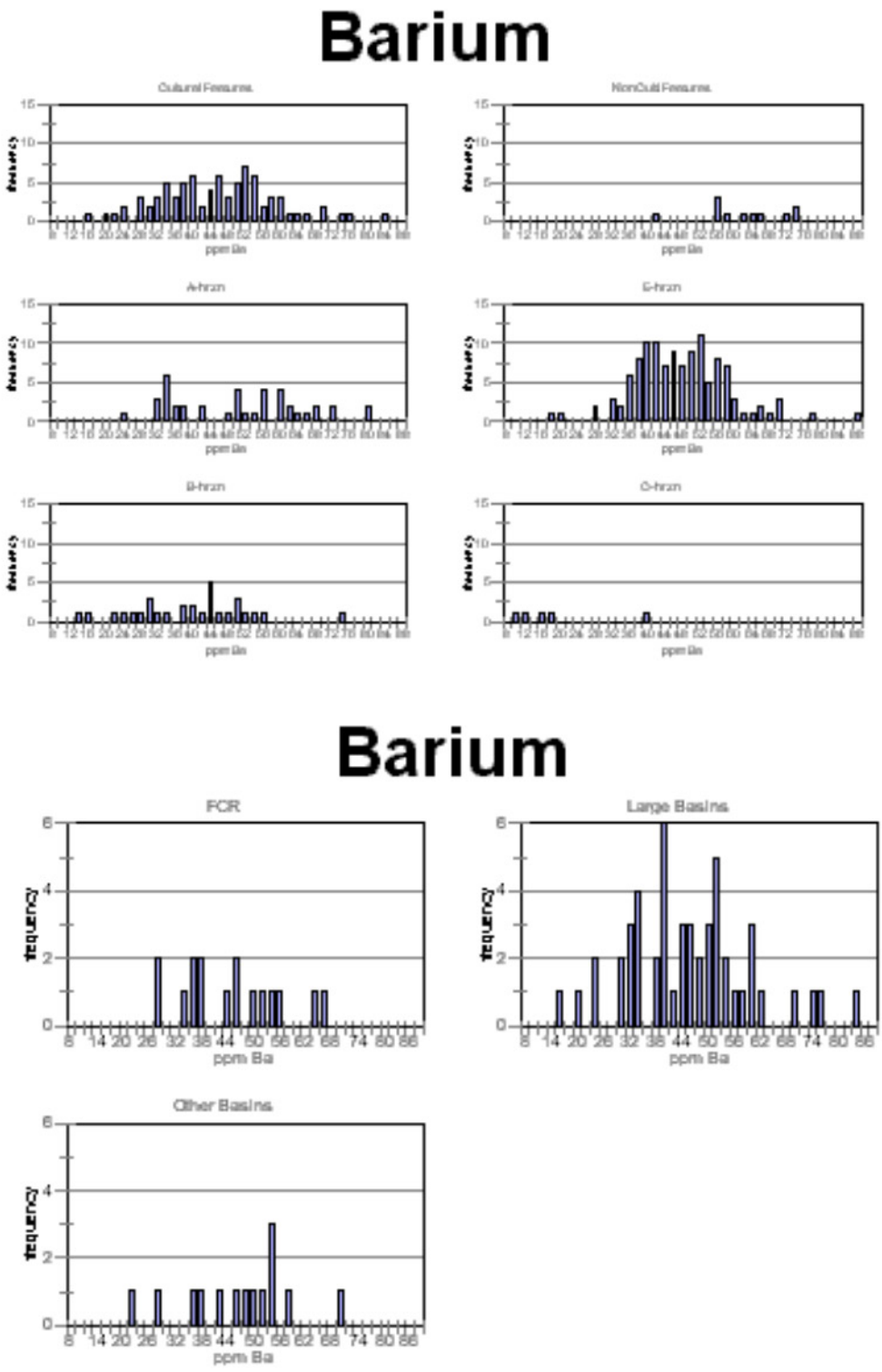
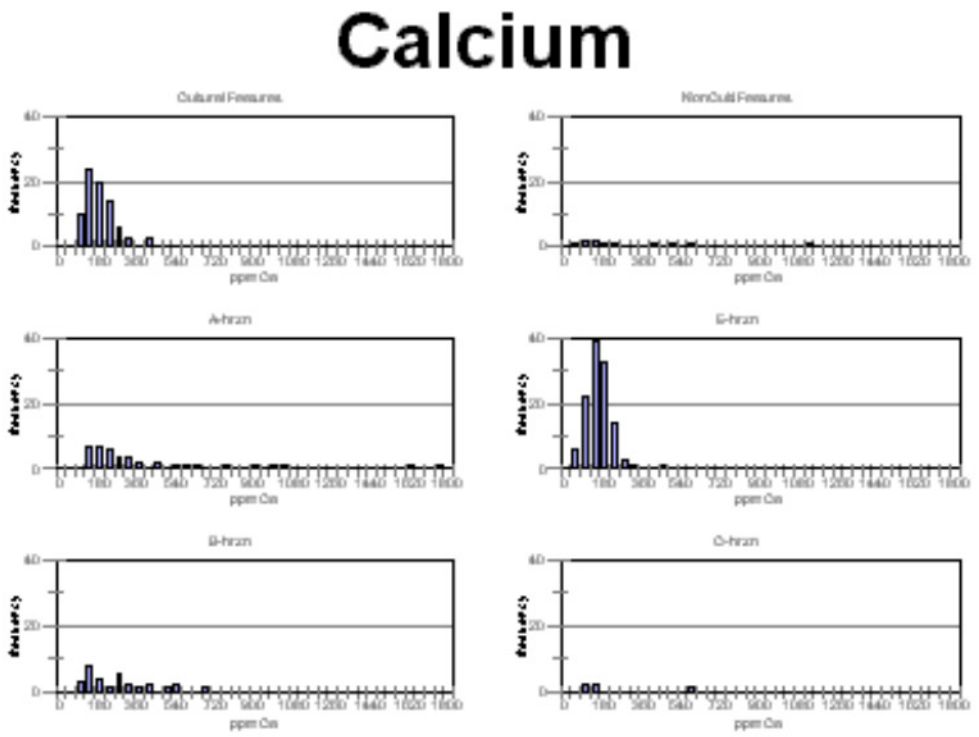


Figure D.14 Histograms For Barium



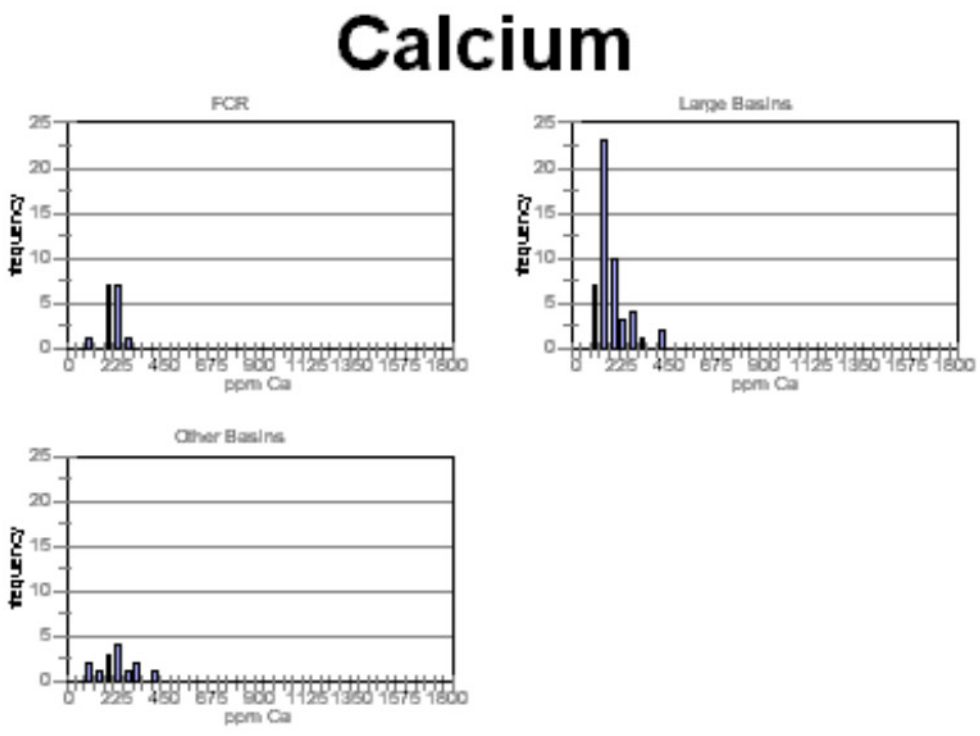
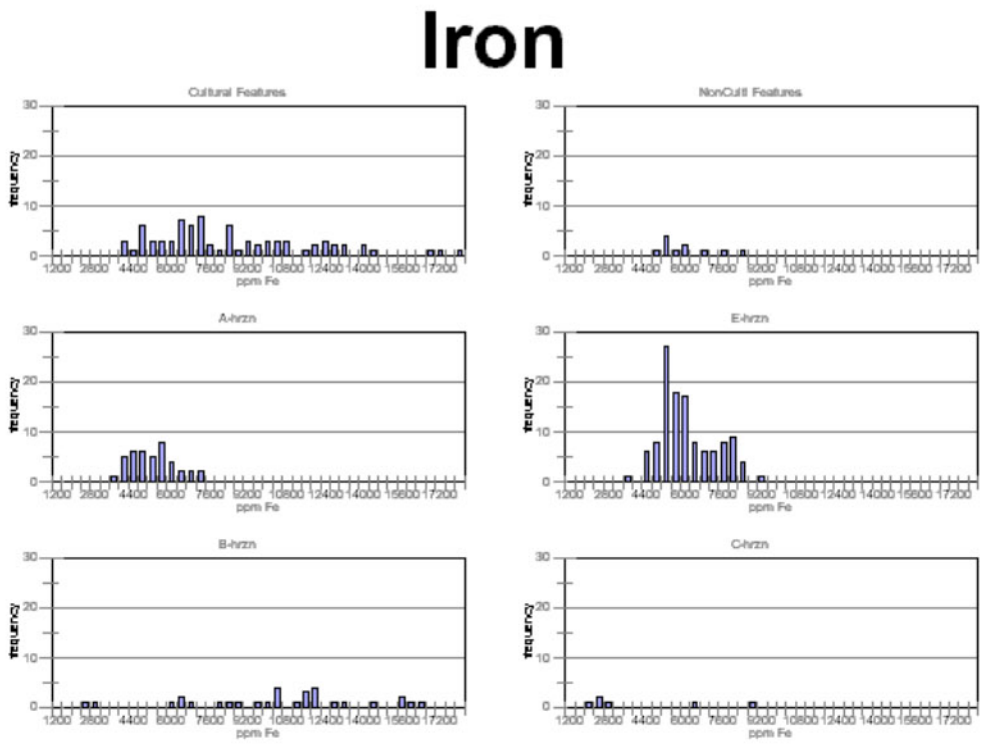


Figure D.15 Histograms For Calcium



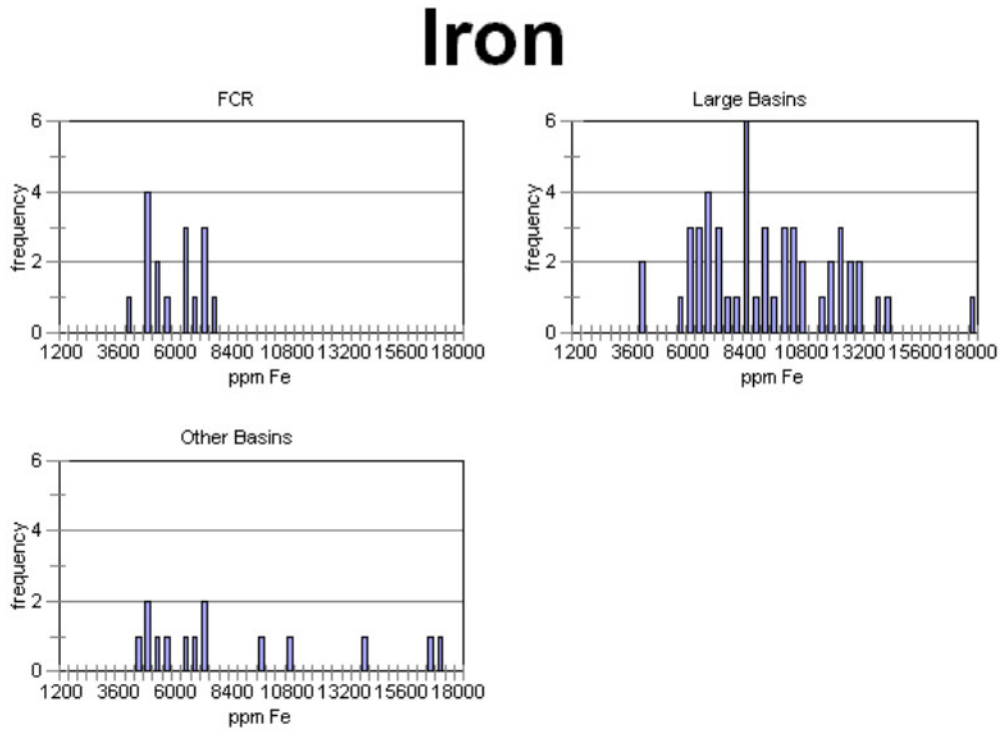
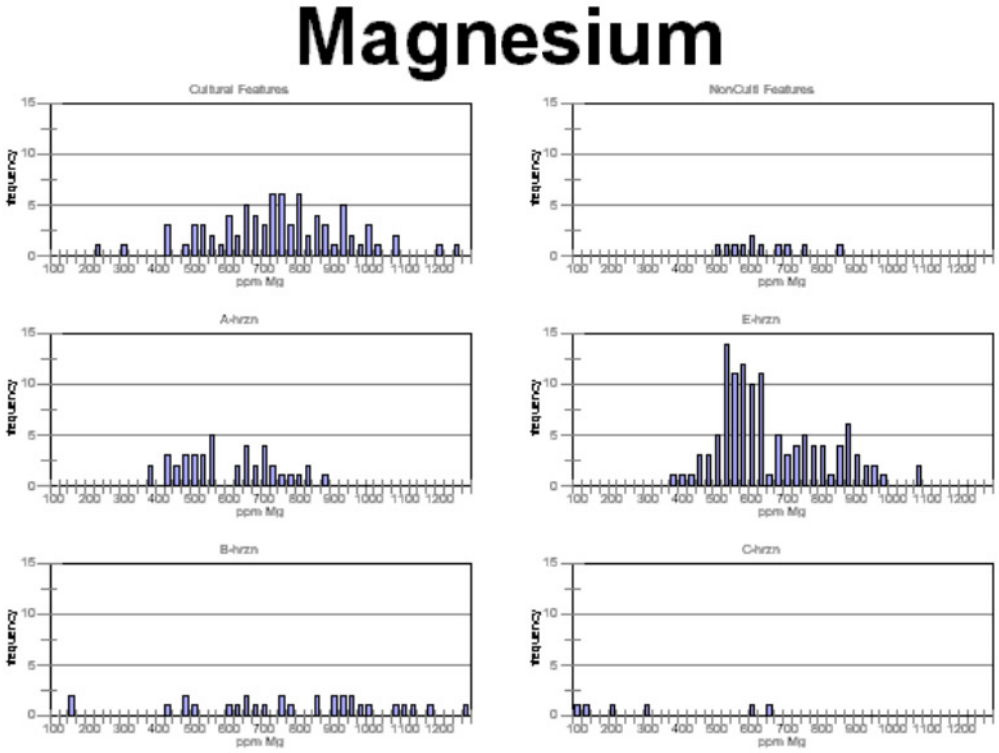


Figure D.16 Histograms For Iron



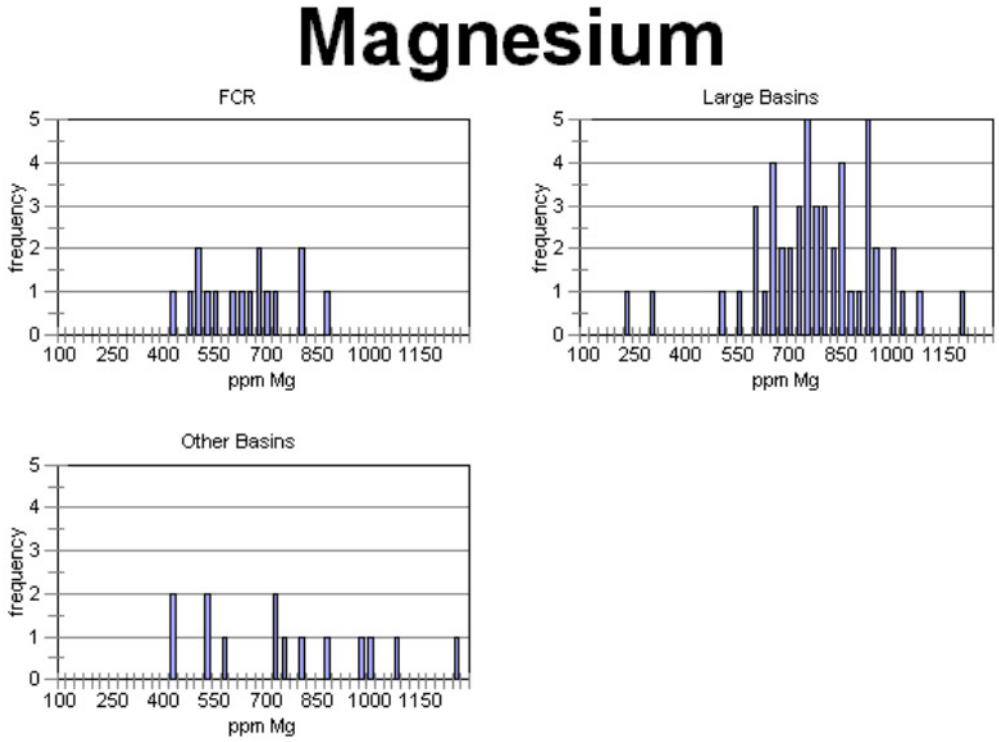
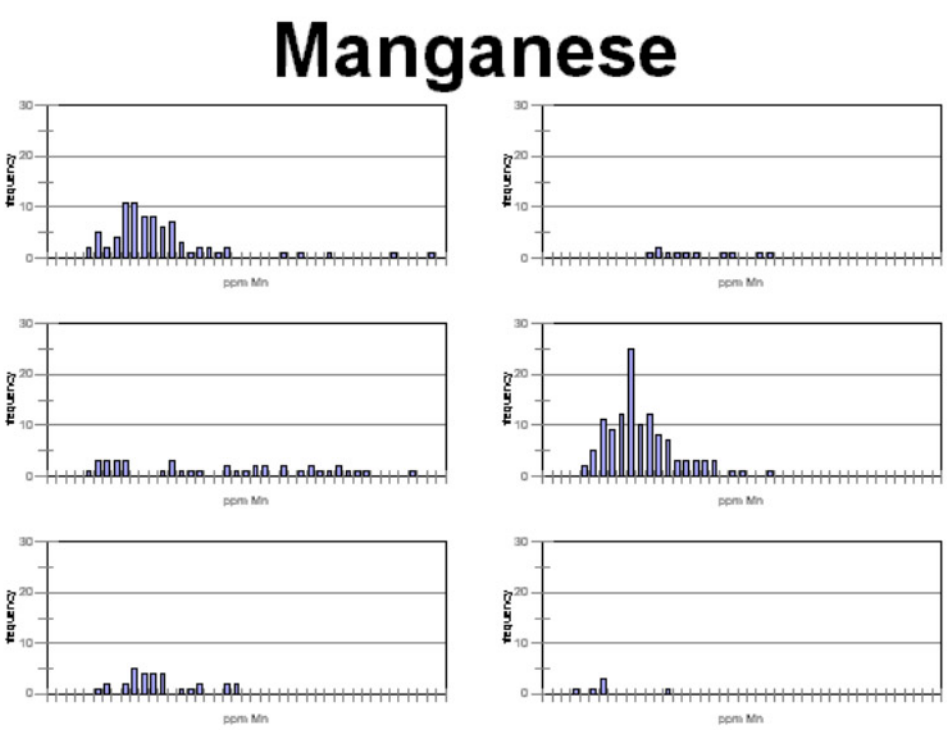


Figure D.17 Histograms For Magnesium



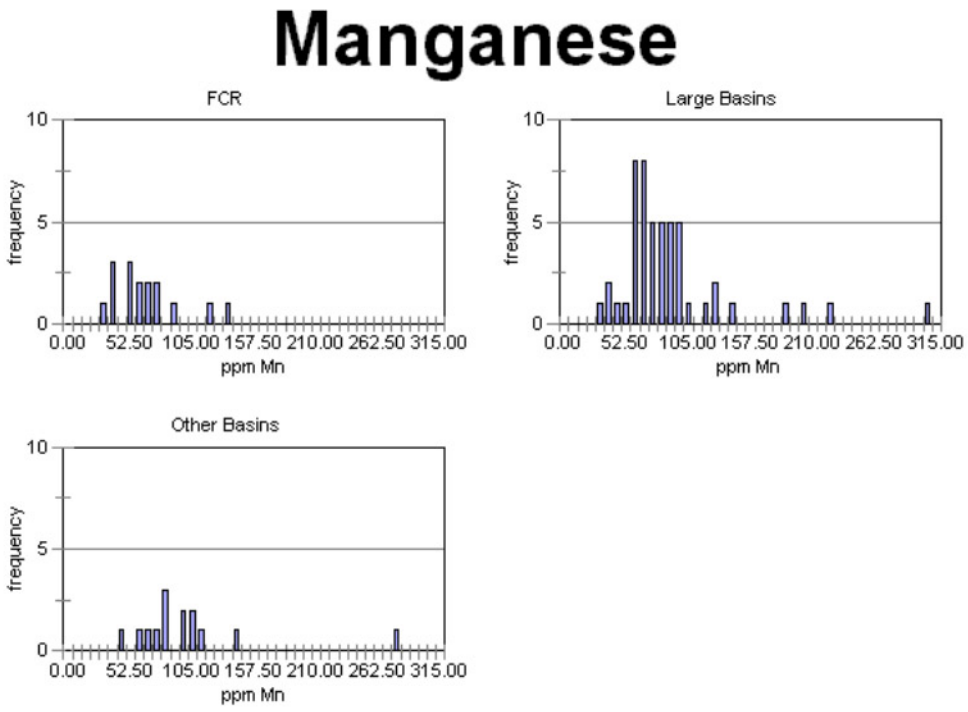


Figure D.18 Histograms For Manganese

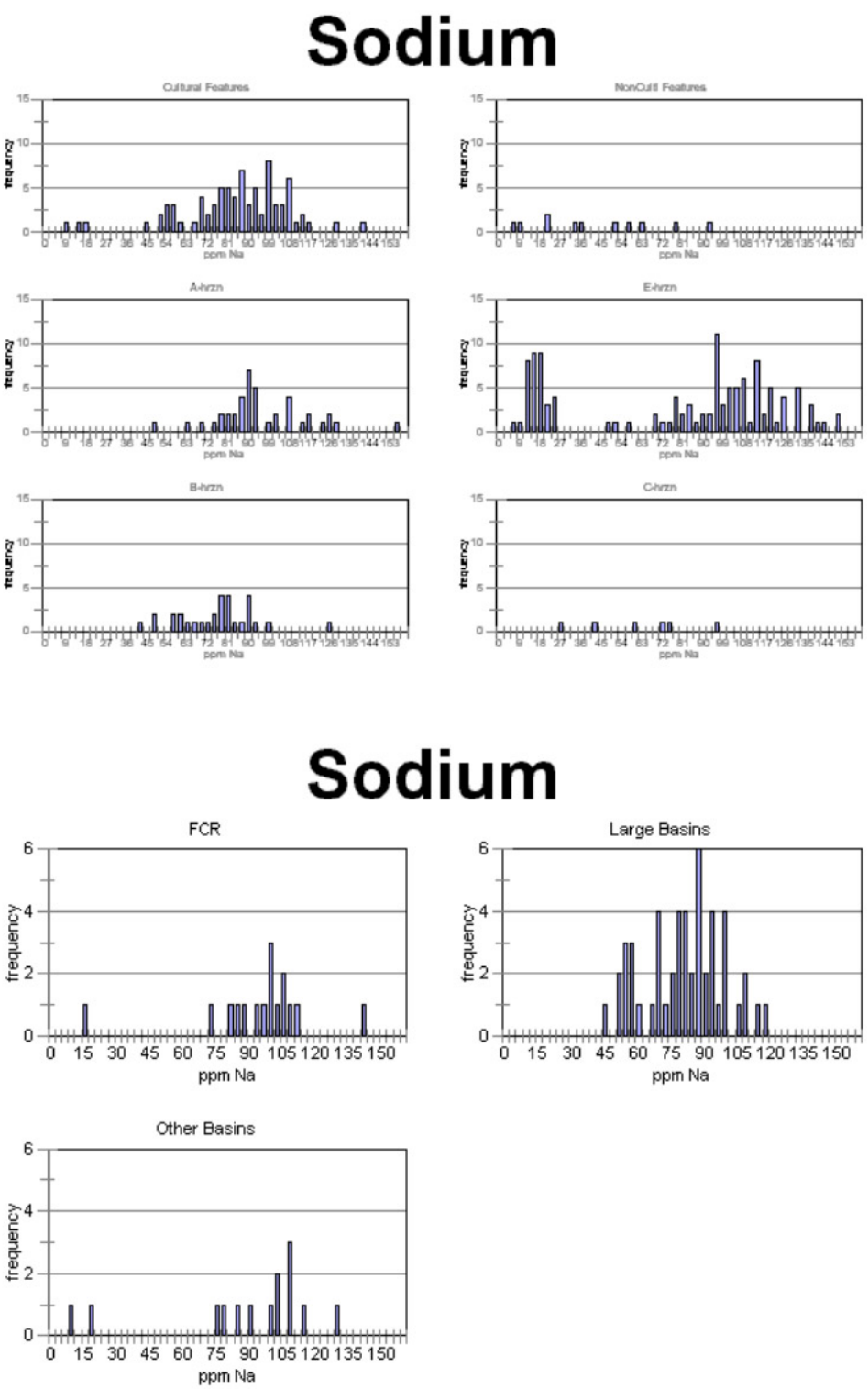


Figure D.19 Histograms For Sodium

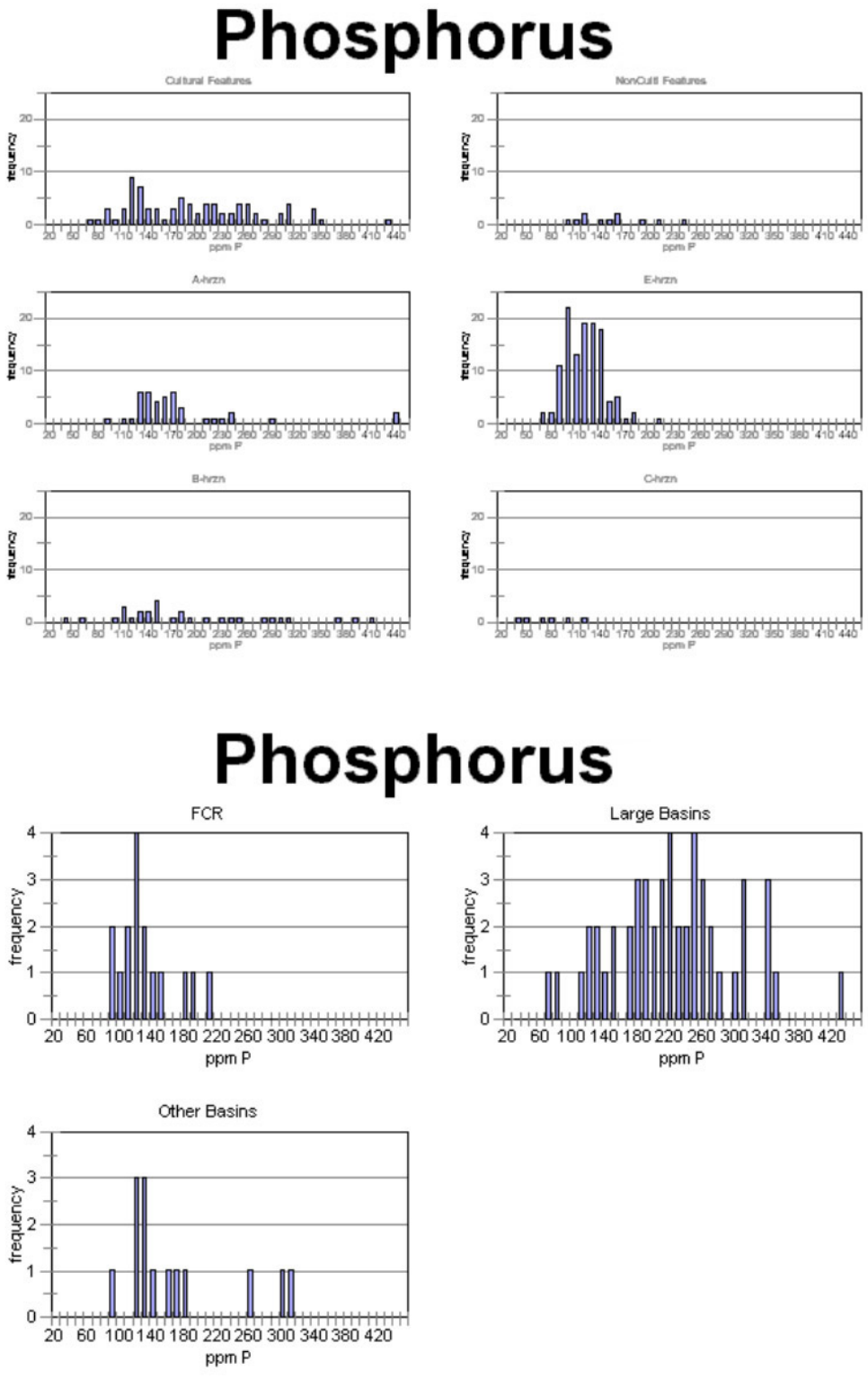
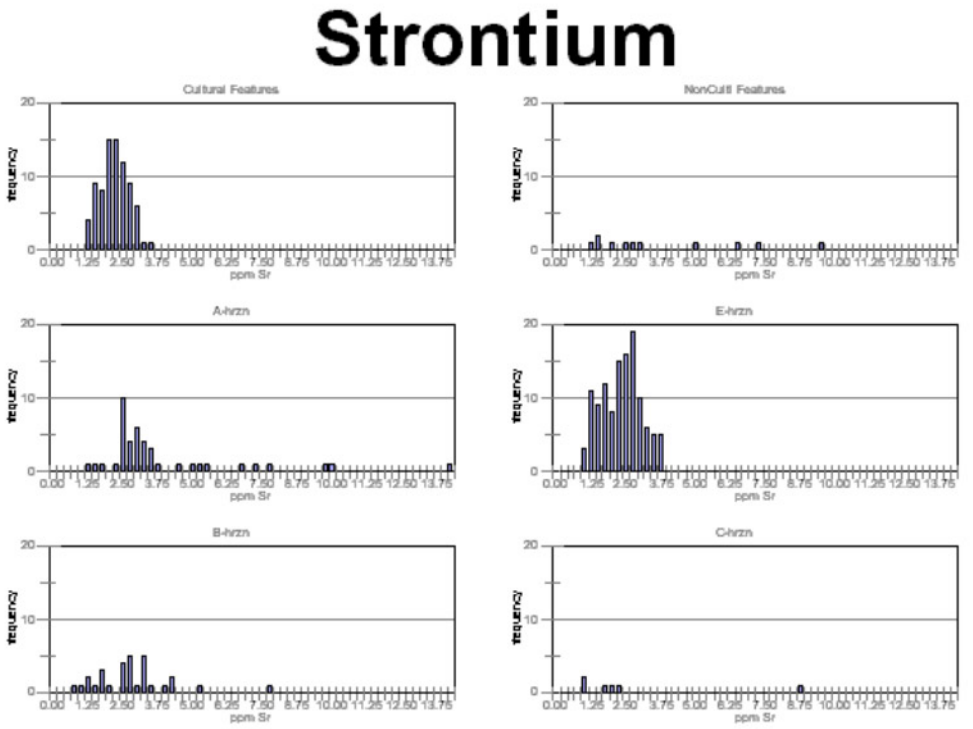


Figure D.20 Histograms For Phosphorus



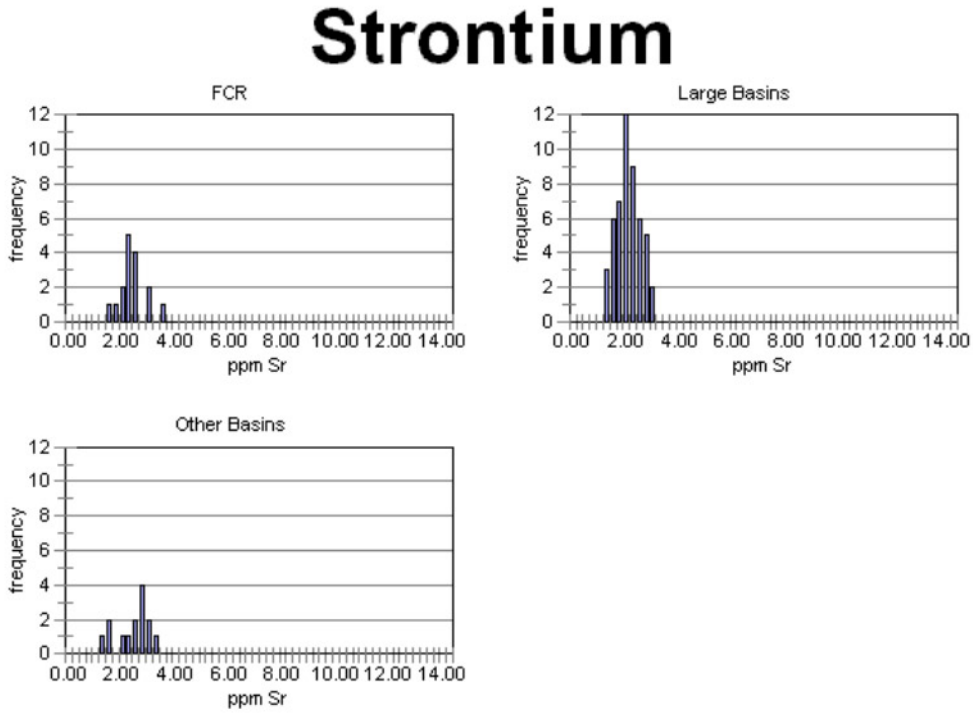
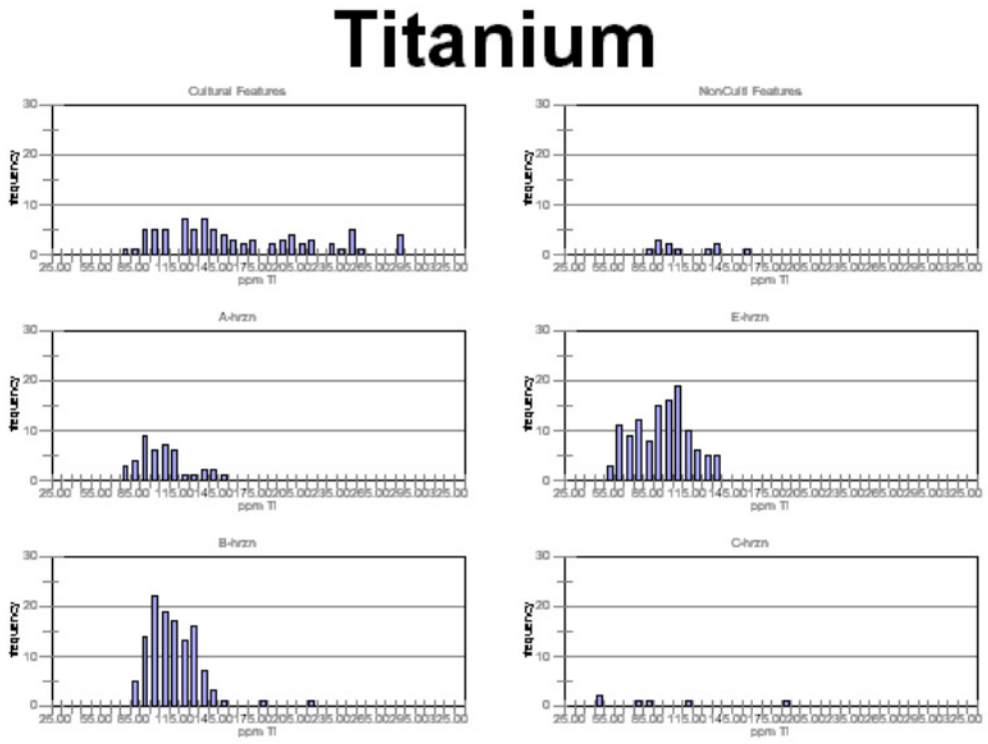


Figure D.21 Histograms For Strontium



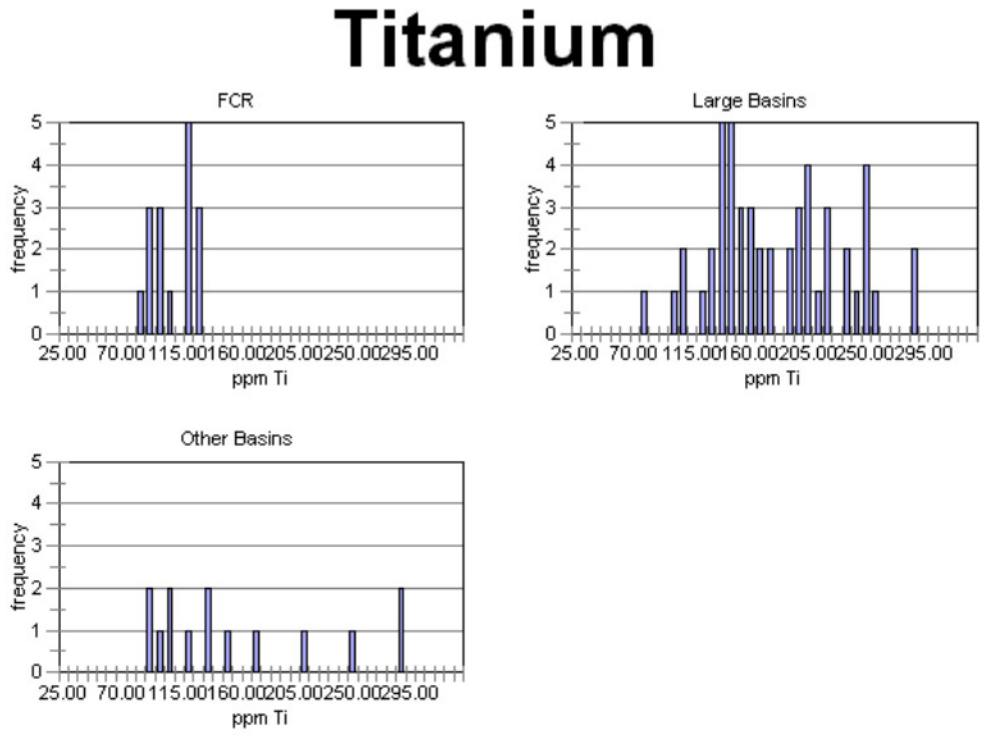


Figure D.22 Histograms For Titanium

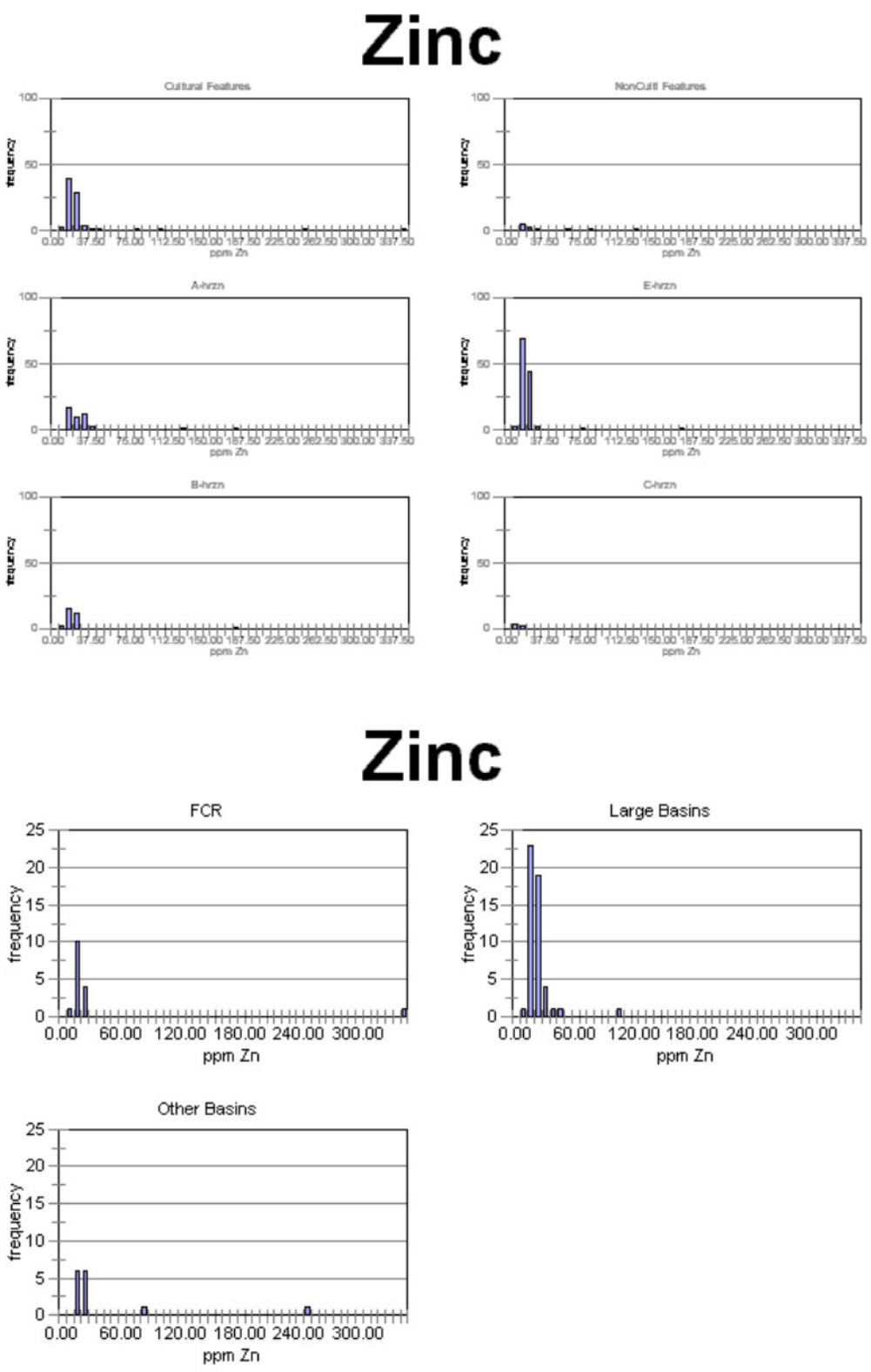


Figure D.23 Histograms For Zinc

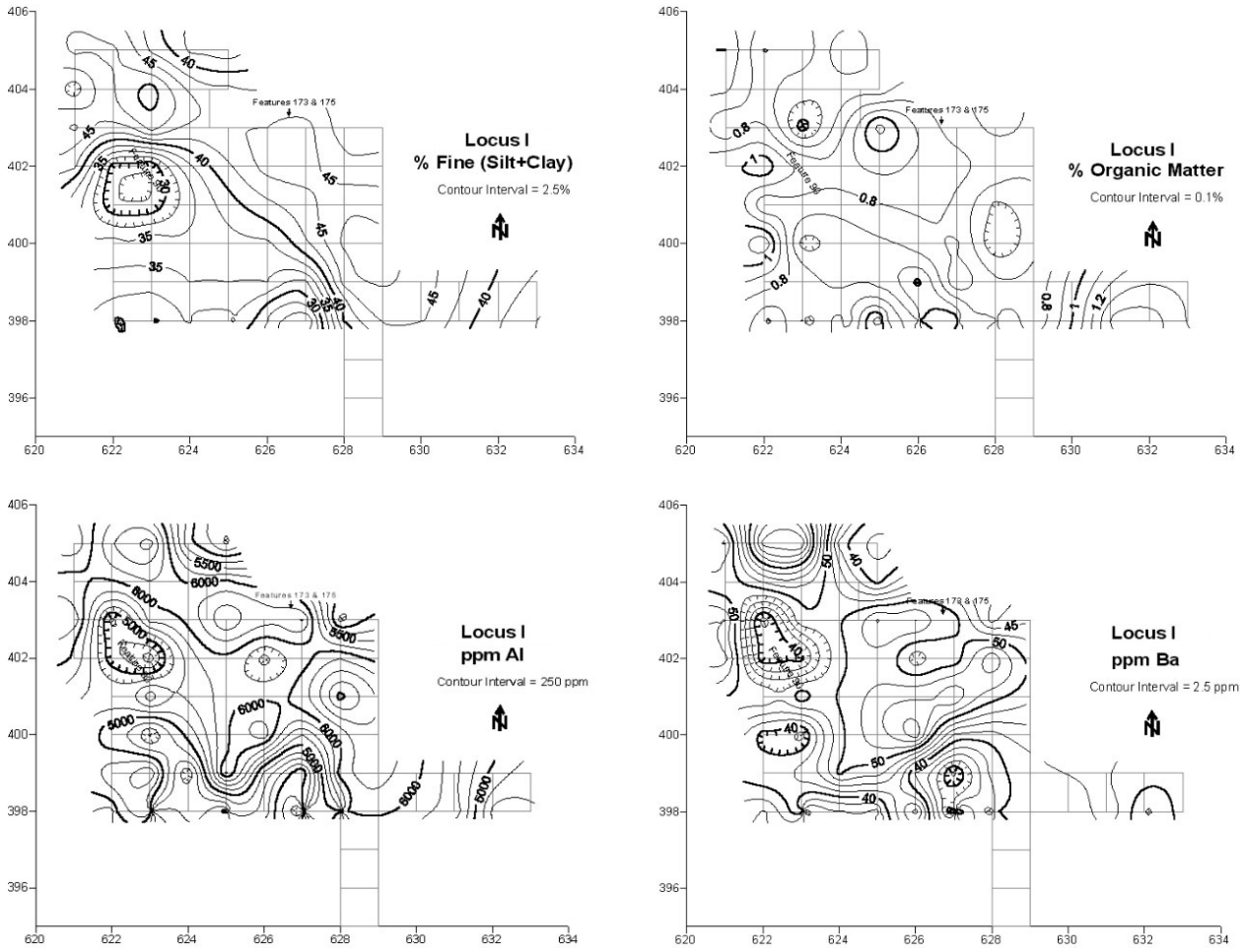


Figure D.24 Locus I Contour Maps For Percent Fine, Percent OM, Aluminum and Barium

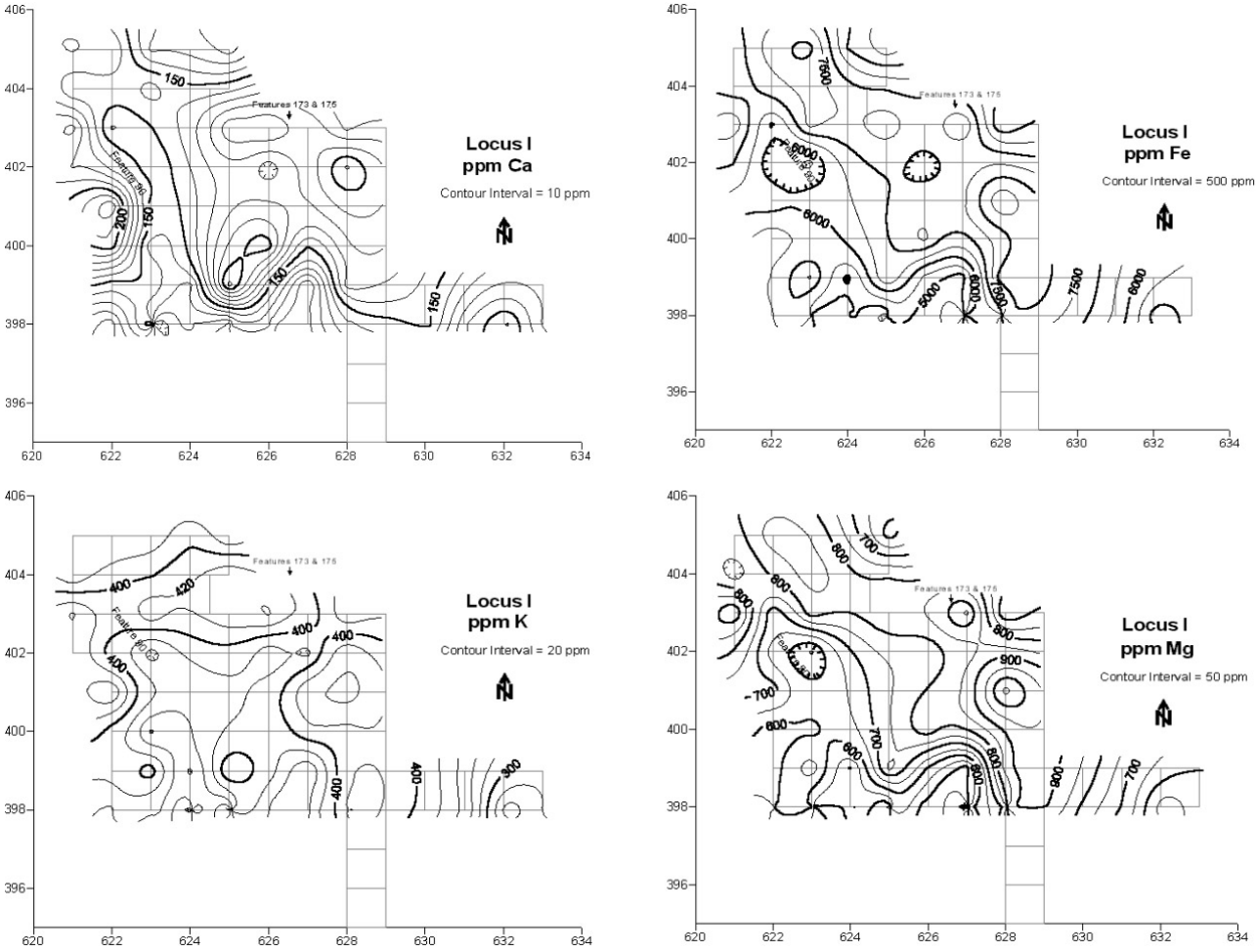


Figure D.25 Locus I Contour Maps For Calcium, Iron, Potassium and Magnesium

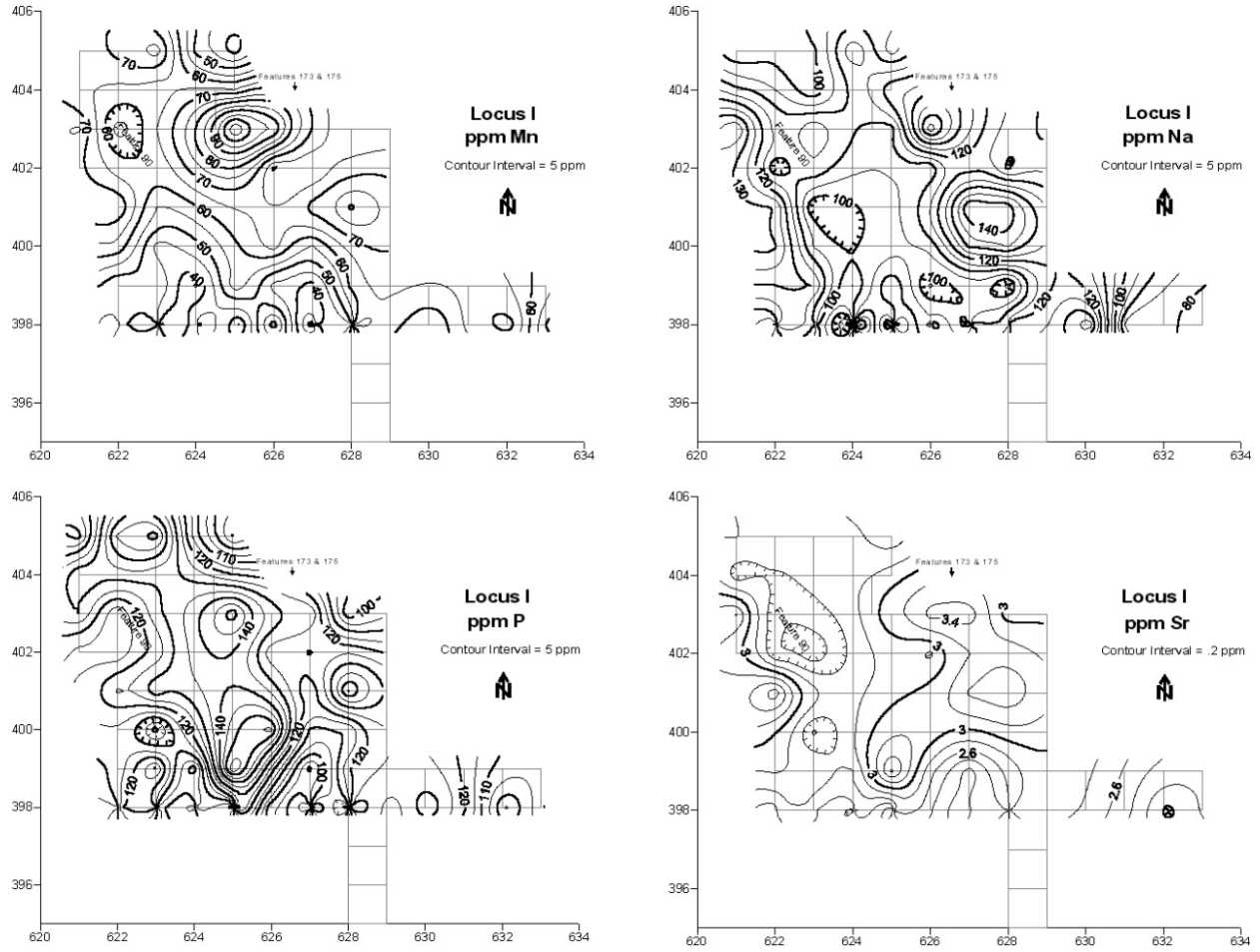


Figure D.26 Locus I Contour Maps For Manganese, Sodium, Phosphorus and Strontium

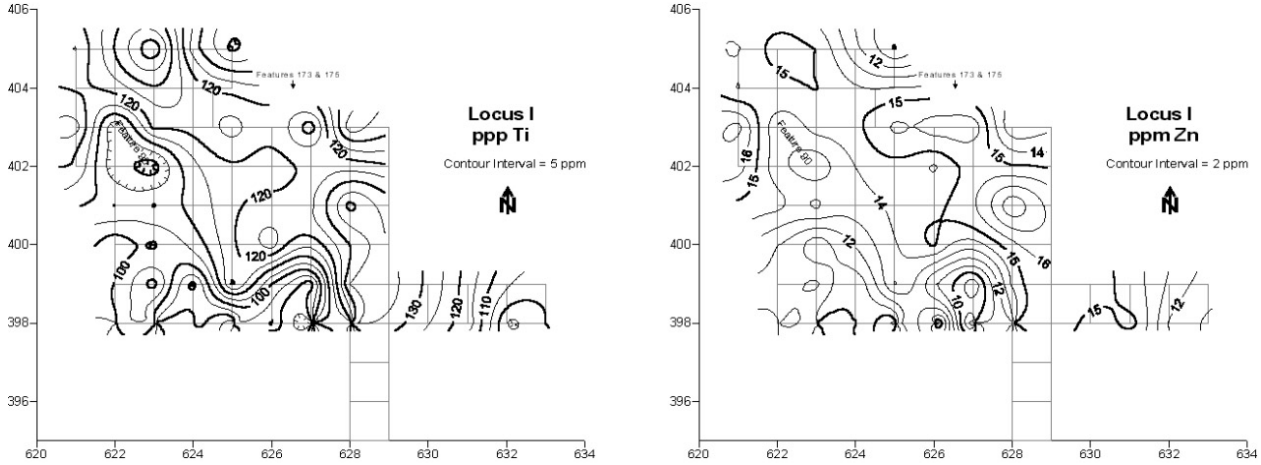


Figure D.27 Locus I Contour Maps For Titanium and Zinc

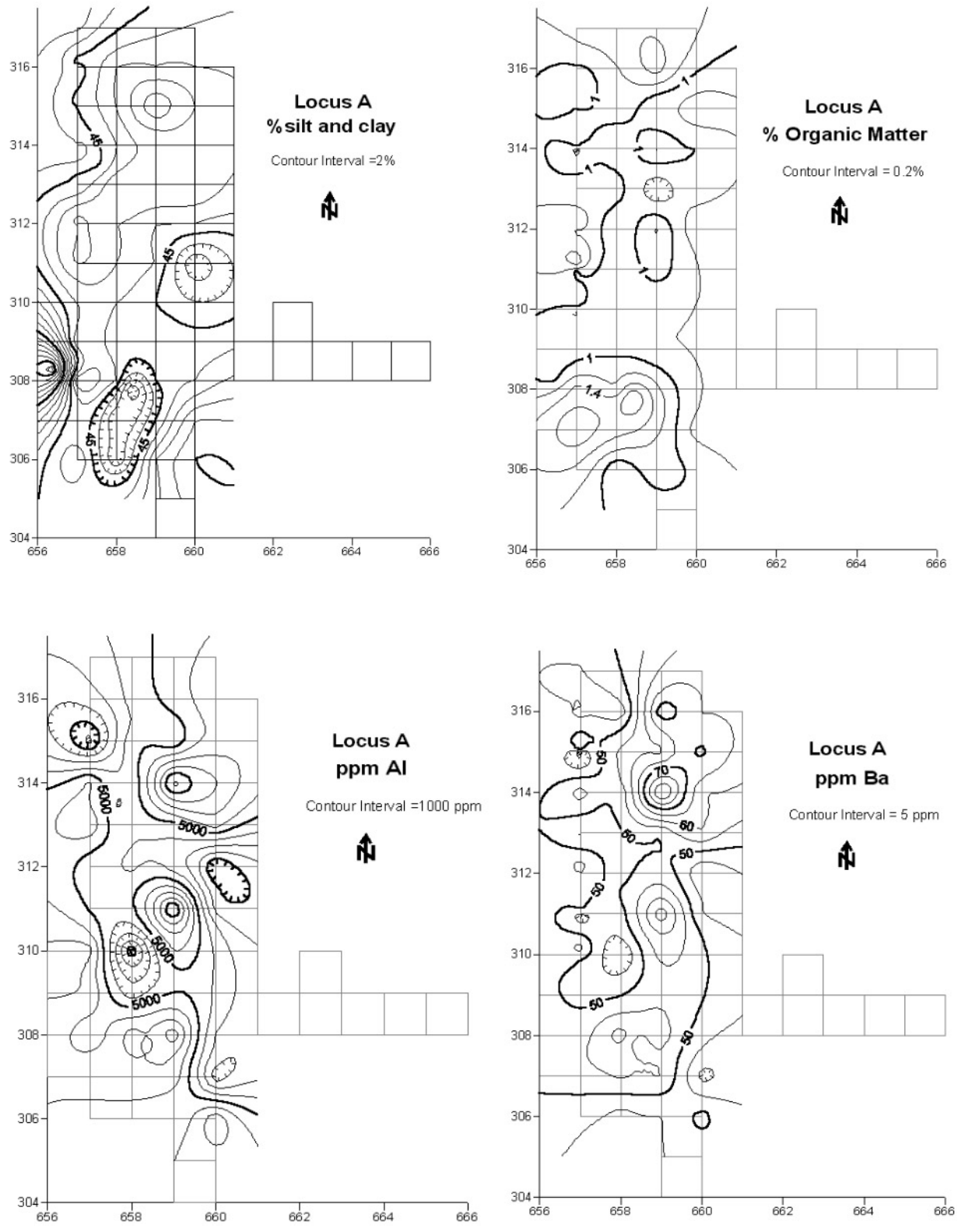


Figure D.28 Locus A Contour Maps For Percent Fine, Percent OM, Aluminum and Barium

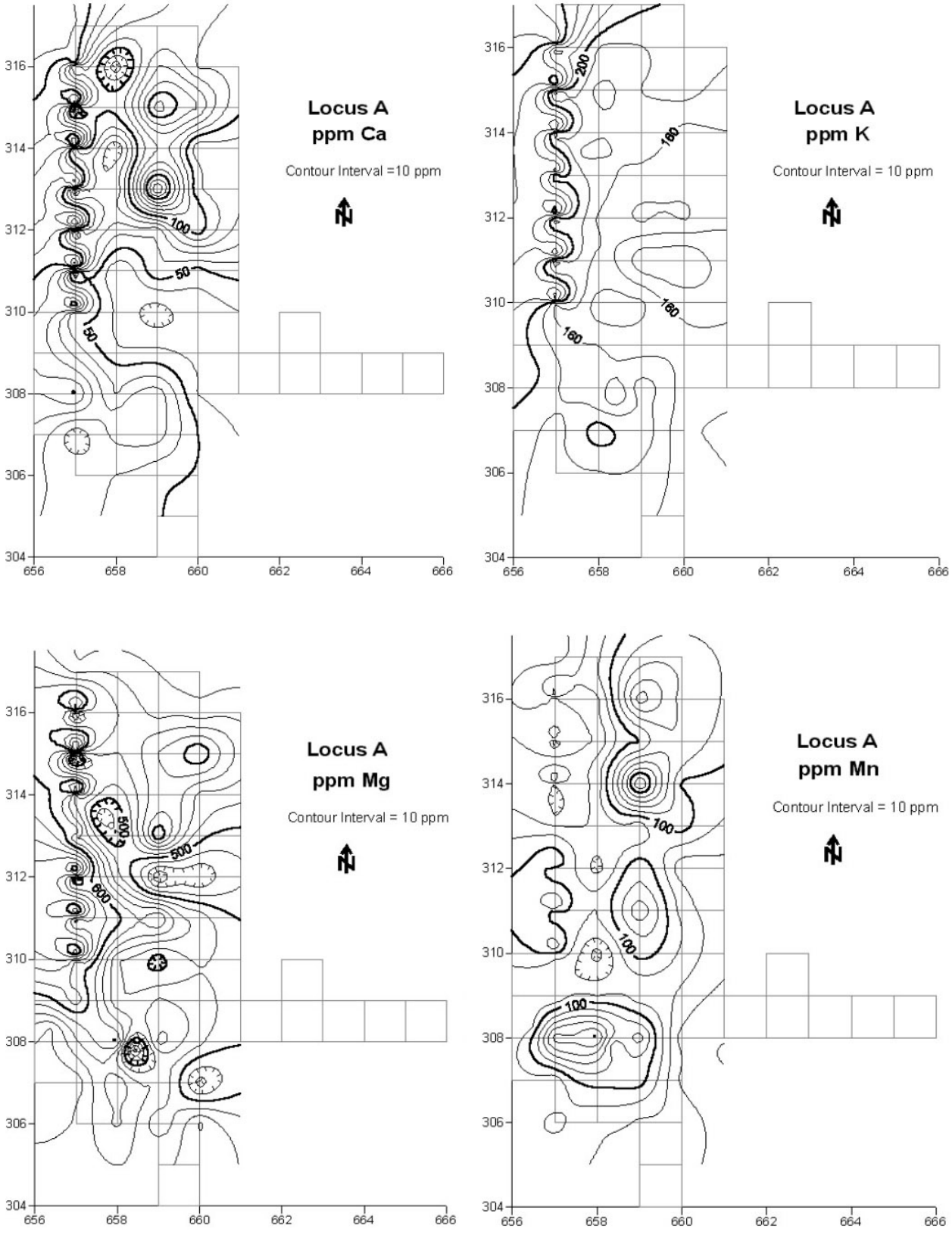


Figure D.29 Locus A Contour Maps For Calcium, Potassium, Manganese and Magnesium

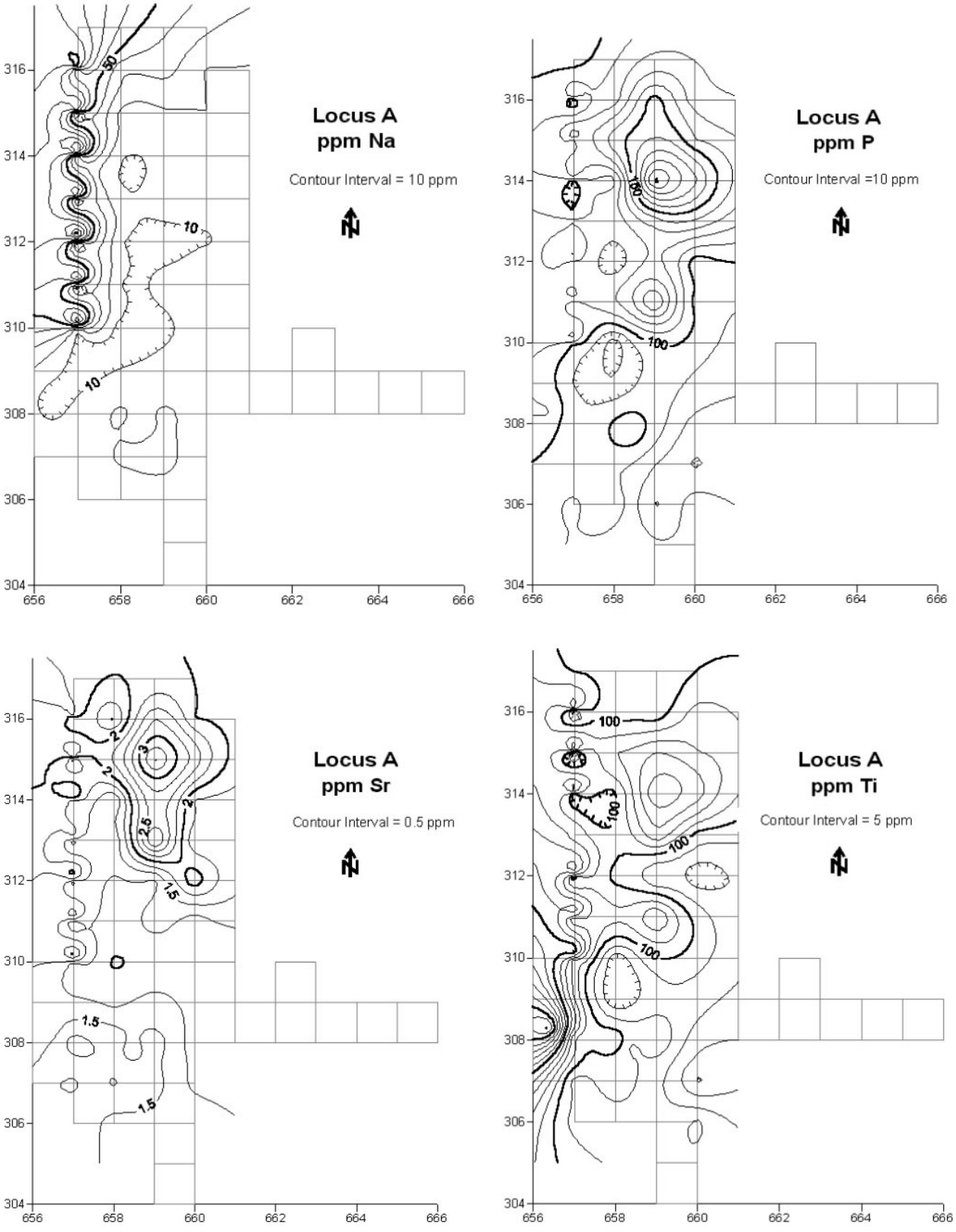


Figure D.30 Locus A Contour Maps For Sodium, Titanium, Strontium and Phosphorus

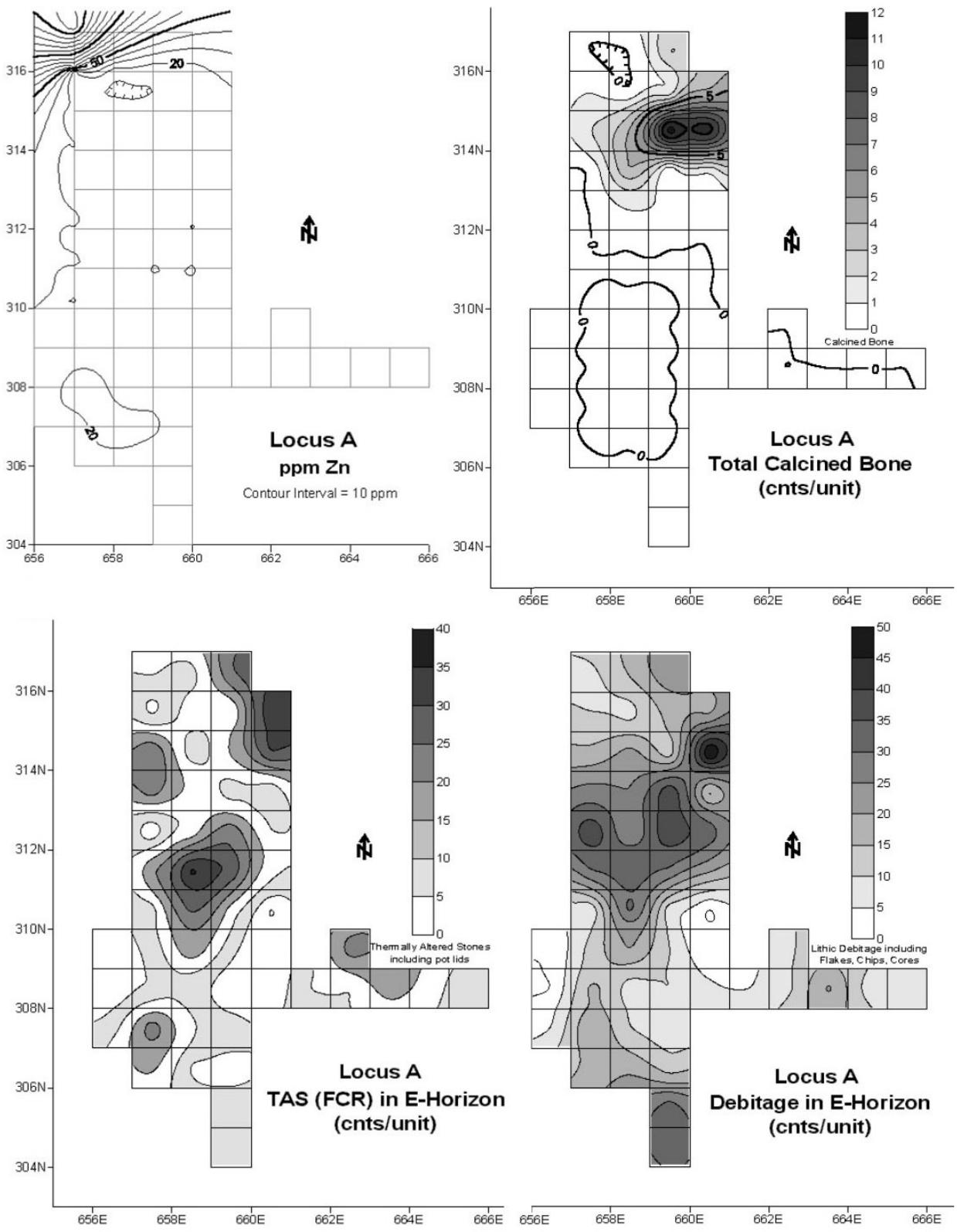


Figure D.31 Locus A Contour Maps For Calcined Bone, Zinc, TAS and Debitage