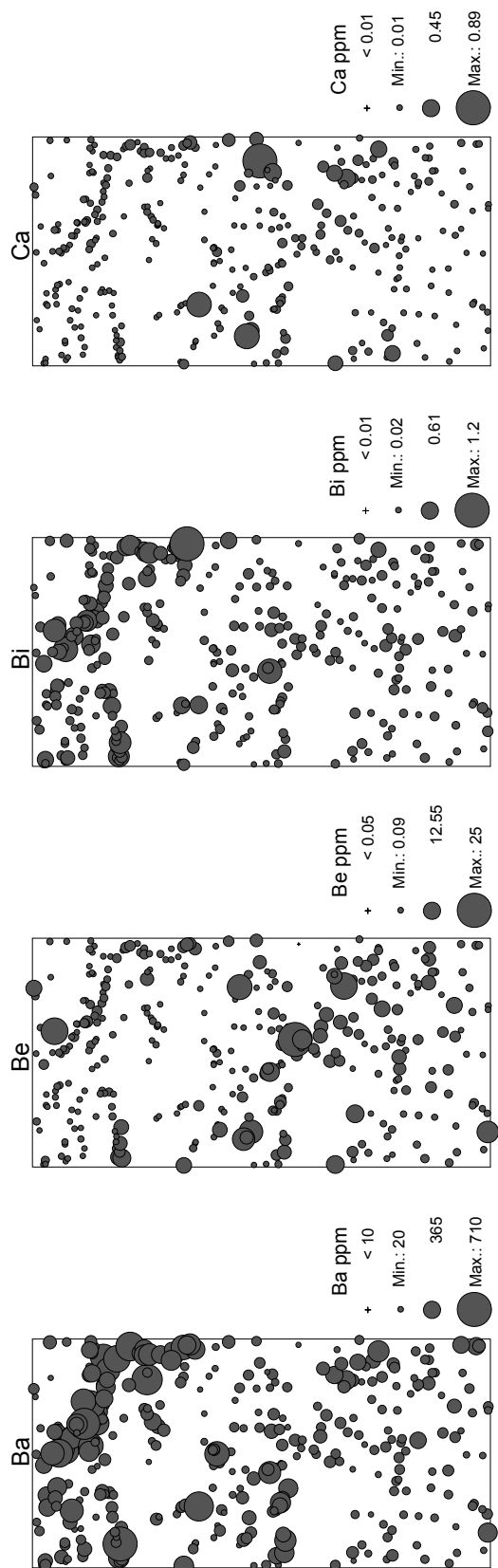
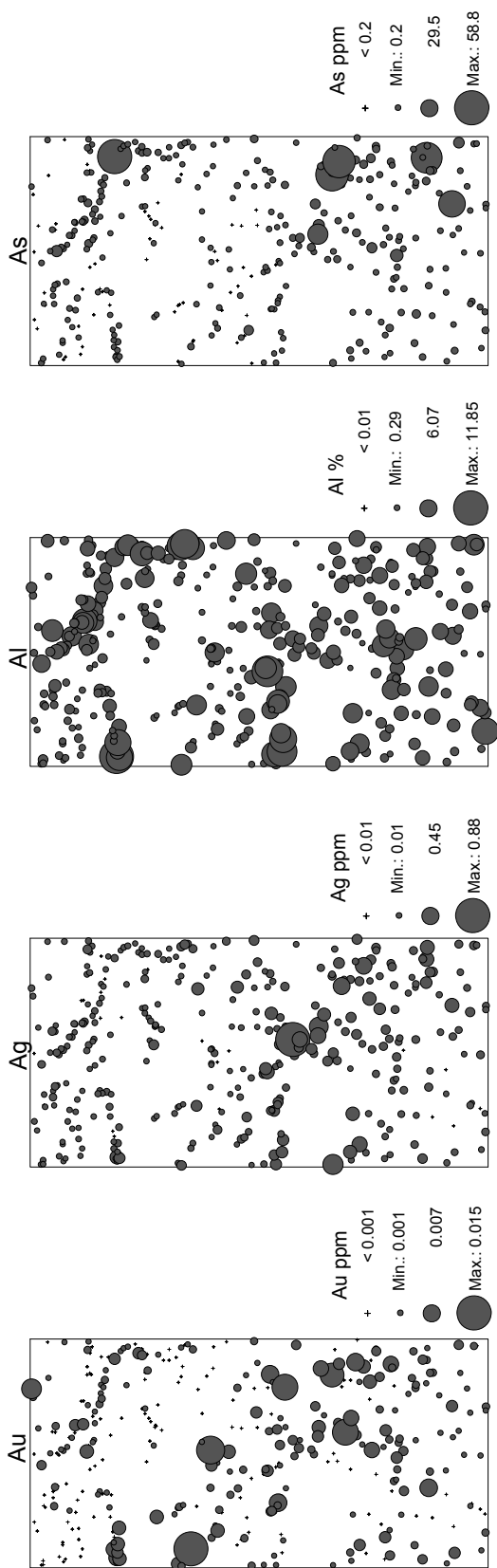
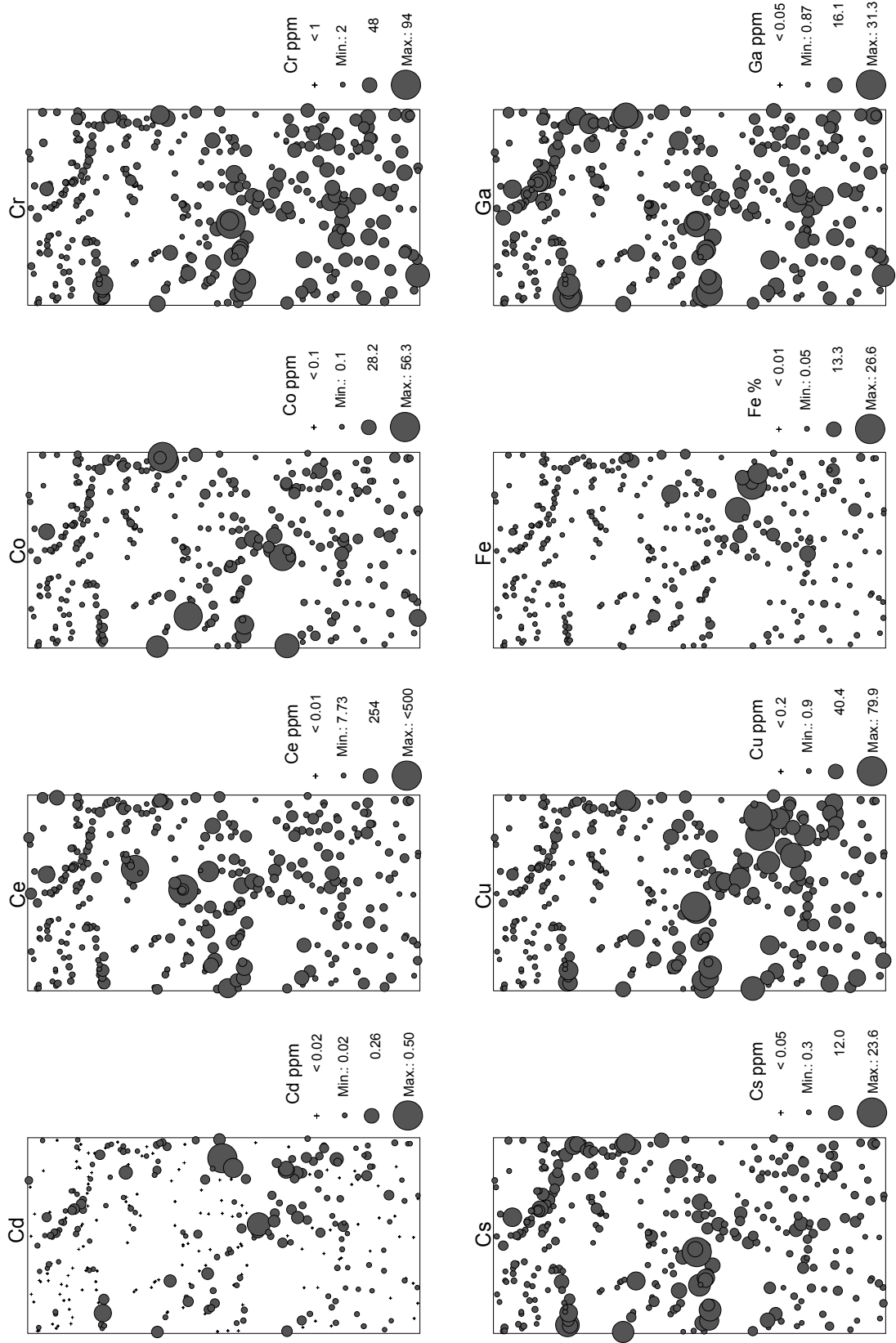


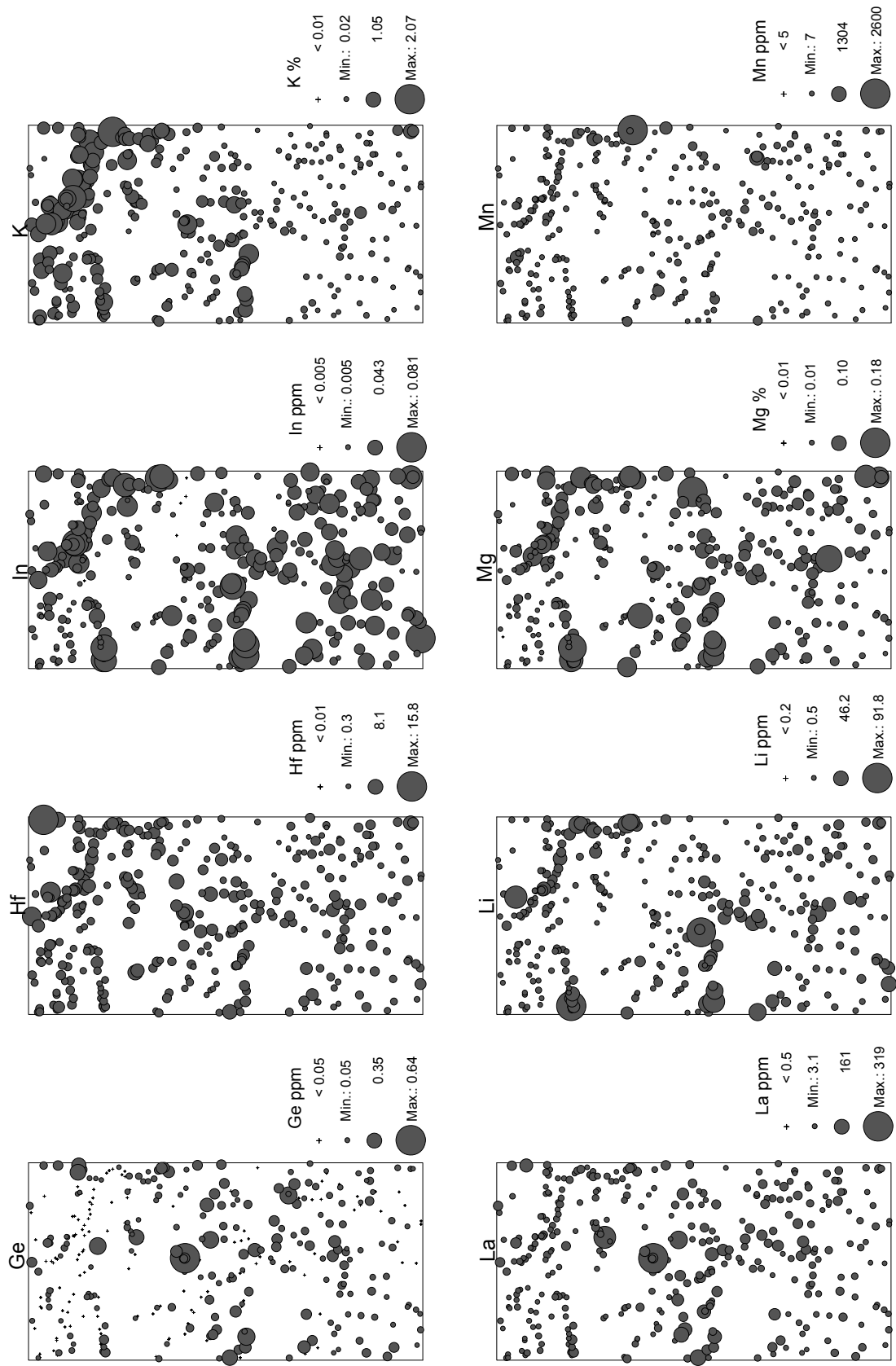
# Appendix V-15 Geochemical Distribution Maps of Stream sediments (1)



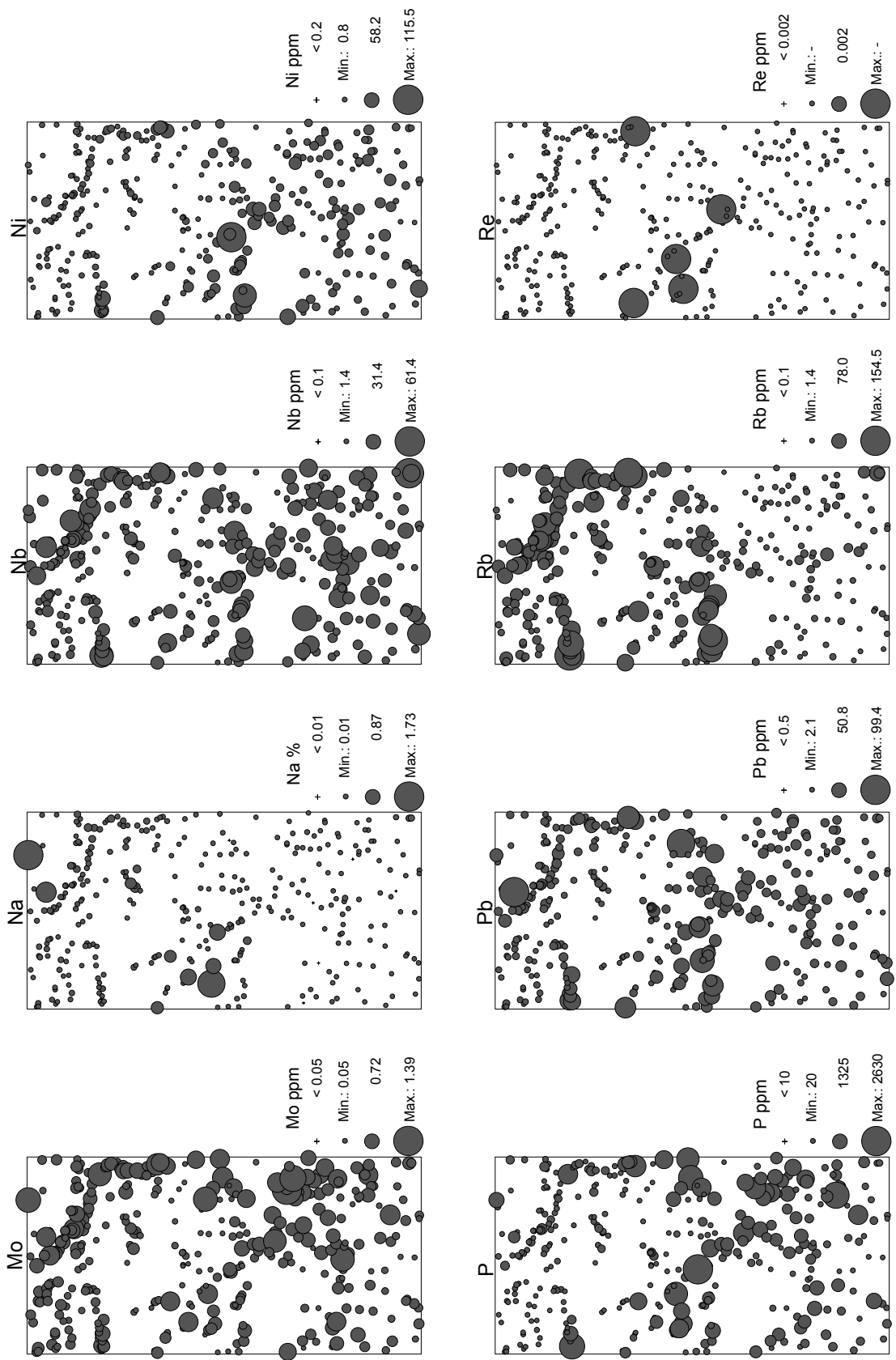
# Appendix V-15 Geochemical Distribution Maps of Stream sediments (2)



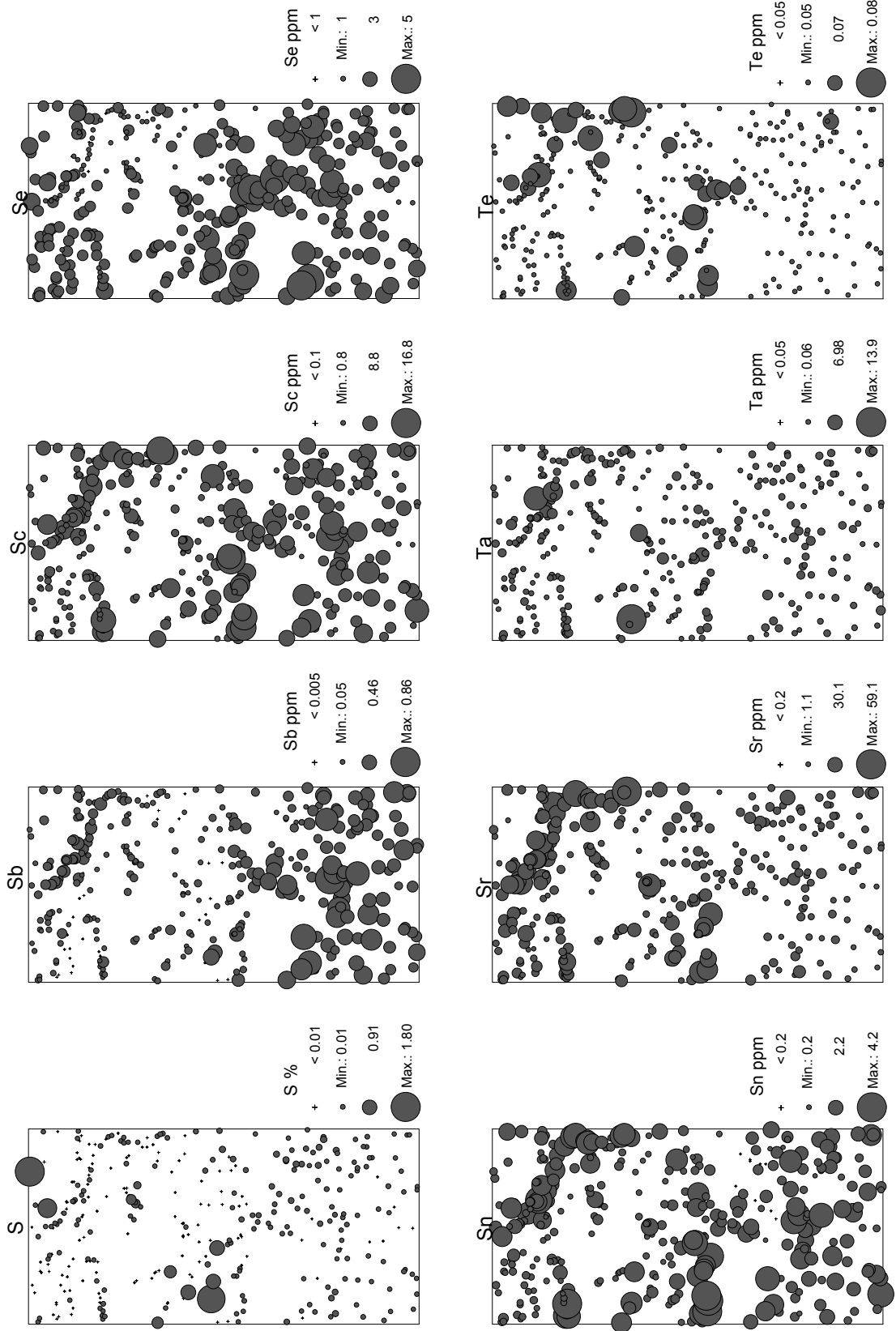
# Appendix V-15 Geochemical Distribution Maps of Stream sediments (3)



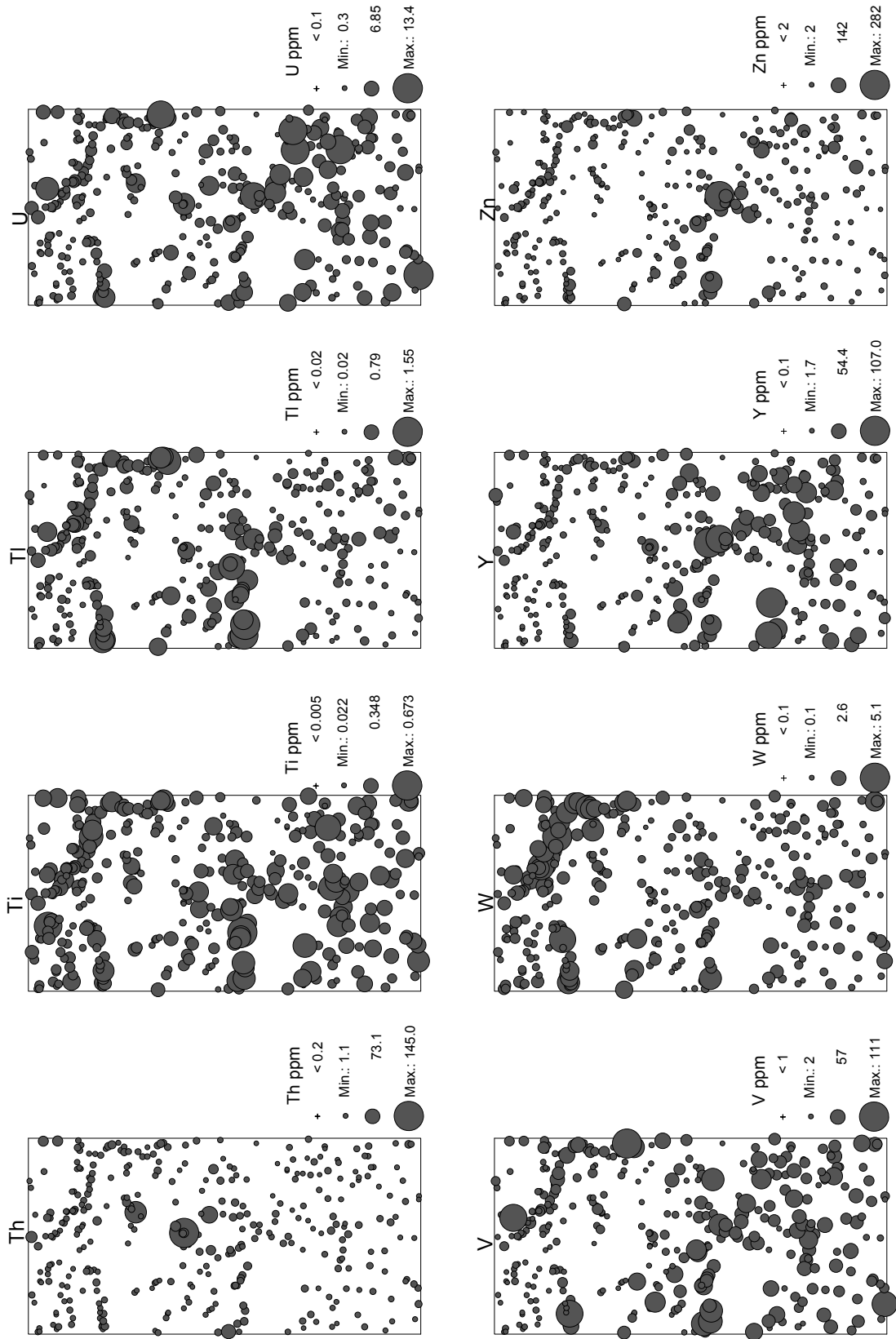
# Appendix V-15 Geochemical Distribution Maps of Stream sediments (4)



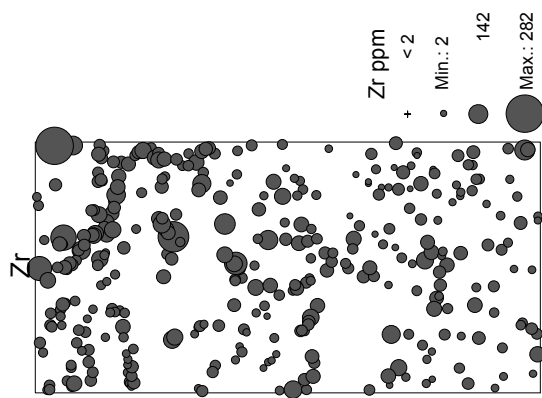
# Appendix V-15 Geochemical Distribution Maps of Stream sediments (5)



# Appendix V-15 Geochemical Distribution Maps of Stream sediments (6)



## Appendix V-15 Geochemical Distribution Maps of Stream sediments (7)



# Appendix V-16 List of Collected Soil Samples 1/8

ser	ID	Sampler	Date	Coordinate (Arc 1950)		Landform	Float	Geology Type (O/F/B/N)	Geology Remark	Organic rich layer thickness(cm)	Sampling depth(cm)	Organic contents	Ground condition	Gravel	Variety of rock chip	Viscosity	Color	Remark	Sample type
				Northing	Eastings														
1	A001	AT	2008/7/22	8694012	274027	1257	Flat plain	N		50		Dry	None		Sandy	Red brown	Presence of medium sized roots	Grid Sample	
2	A002	AT	2008/7/22	8692010	274020	1261	Flat plain	N		60		Dry	None		Sandy	Dark brown	Small roots present	Grid Sample	
3	A003	AT	2008/7/22	8690003	274020	1257	Flat plain	N		50		Dry	None		Sandy	Red brown	Small roots present	Grid Sample	
4	A004	AT	2008/7/22	8690008	270013	1230	Gentle Slope	N		50		Dry	None		Sandy	Dark brown	very few small roots	Grid Sample	
5	A005	AT	2008/7/22	8692016	270013	1249	Flat plain	N		18		Dry	None		Sandy	Dark brown	Presence of small roots	Grid Sample	
6	A006	AT	2008/7/23	8690266	262012	1242	Flat plain	N		50		Dry	None		Sandy	Dark brown		Grid Sample	
7	A007	AT	2008/7/23	8693006	262012	1216	Flat plain	N		20		Dry	None		Sandy	Dark brown		Grid Sample	
8	A008	AT	2008/7/23	8696010	262023	1205	Flat plain	N		50		Dry	None		Sandy	Dark brown		Grid Sample	
9	A009	AT	2008/7/23	8696024	266023	1221	Flat plain	N		60		Dry	None		Sandy	Dark brown		Grid Sample	
10	A010	AT	2008/7/23	8696012	266016	1231	Flat plain	N		90		Dry	None		Sandy	Dark brown		Grid Sample	
11	A011	AT	2008/7/24	8694278	280958	1304	Flat plain	N		50		Dry	None		Sandy	Dark brown		Grid Sample	
12	A012	AT	2008/7/24	8696013	281016	1305	Flat plain	N		50		Dry	None		Sandy	Dark brown		Grid Sample	
13	A013	AT	2008/7/24	8698003	280961	1265	Flat plain	N		55		Dry	None		Sandy	Dark brown		Grid Sample	
14	A014	AT	2008/7/24	8700016	281030	1240	Flat plain	N		50		Dry	None		Sandy	Dark brown		Grid Sample	
15	A015	AT	2008/8/5	8710175	258065	1205	Flat plain	N		10		Dry	None		Sandy	Dark brown		Grid Sample	
16	A016	AT	2008/8/5	8711963	258108	1196	Creek floor	N		30		Dry	None		Sandy	Dark brown		Grid Sample	
17	A017	AT	2008/8/5	8708124	261881	1234	Flat plain	N		60		Dry	None		Sandy	Dark brown		Grid Sample	
18	A018	AT	2008/8/5	8710032	262003	1238	Flat plain	N		15		Dry	None		Sandy	Dark brown		Grid Sample	
19	A019	AT	2008/8/5	8712019	262001	1223	Flat plain	N		10		Dry	None		Sandy	Dark brown		Grid Sample	
20	A020	AT	2008/8/5	8713444	262017	1207	Creek floor	N		60		Dry	None		Sandy	Dark brown		Grid Sample	
21	A021	AT	2008/8/6	8708050	266016	1263	Flat plain	N		55		Dry	None		Sandy	Dark brown		Grid Sample	
22	A022	AT	2008/8/6	8710005	266026	1240	Flat plain	N		5		Dry	None		Sandy	Dark brown		Grid Sample	
23	A023	AT	2008/8/6	8712023	266027	1231	Flat plain	N		60		Dry	None		Sandy	Dark brown		Grid Sample	
24	A024	AT	2008/8/6	8713883	265937	1224	Flat plain	N		20		Dry	None		Sandy	Dark brown		Grid Sample	
25	A025	AT	2008/8/6	8715984	265847	1244	Flat plain	N		25		Dry	None		Sandy	Dark brown		Grid Sample	
26	A026	AT	2008/8/7	8710032	274029	1284	Flat plain	N		10		Dry	None		Sandy	Dark brown		Grid Sample	
27	A027	AT	2008/8/7	8712027	274049	1265	Flat plain	N		30		Dry	None		Sandy	Dark brown		Grid Sample	
28	A028	AT	2008/8/7	8714010	274011	1258	Flat plain	N		70		Dry	None		Sandy	Dark brown		Grid Sample	
29	A029	AT	2008/8/7	8716015	274014	1268	Flat plain	N		8		Dry	None		Sandy	Dark brown		Grid Sample	
30	A030	AT	2008/8/8	8712179	278107	1304	Flat plain	N		65		Dry	None		Sandy	Dark brown		Grid Sample	
31	A031	AT	2008/8/8	8714116	278351	1295	Flat plain	N		15		Dry	None		Sandy	Dark brown		Grid Sample	
32	A032	AT	2008/8/8	8715998	278022	1279	Flat plain	N		70		Dry	None		Sandy	Dark brown		Grid Sample	
33	A033	AT	2008/8/8	8718021	278245	1280	Flat plain	N		50		Dry	None		Sandy	Dark brown		Grid Sample	
34	A034	AT	2008/8/11	8716097	270011	1229	Flat plain	N		10		Dry	None		Sandy	Dark brown		Grid Sample	
35	A035	AT	2008/8/11	8714194	269152	1221	Flat plain	N		65		Dry	None		Sandy	Dark brown		Grid Sample	
36	A036	AT	2008/8/11	8711914	269129	1232	Flat plain	N		15		Dry	None		Sandy	Dark brown		Grid Sample	
37	A037	AT	2008/8/11	8709989	270494	1249	Flat plain	N		60		Dry	None		Sandy	Dark brown		Grid Sample	
38	A038	AT	2008/8/11	8707954	270063	1270	Flat plain	N		25		Dry	None		Sandy	Dark brown		Grid Sample	
39	A039	AT	2008/8/12	8681964	257529	1208	Flat plain	N		20		Dry	None		Sandy	Dark brown		Grid Sample	
40	A040	AT	2008/8/12	8680403	258973	1237	Flat plain	N		65		Dry	None		Sandy	Dark brown		Grid Sample	
41	A041	AT	2008/8/12	8683415	257409	1195	Flat plain	N		30		Dry	None		Sandy	Dark brown		Grid Sample	
42	A042	AT	2008/8/13	8719977	280994	1286	Flat plain	N		5		Dry	None		Sandy	Dark brown		Grid Sample	
43	A043	AT	2008/8/13	8718019	281027	1310	Flat plain	N		20		Dry	None		Sandy	Dark brown		Grid Sample	
44	A044	AT	2008/8/13	8715998	281023	1318	Flat plain	N		25		Dry	None		Sandy	Dark brown		Grid Sample	
45	A045	AT	2008/8/13	8714094	281086	1298	Flat plain	N		70		Dry	None		Sandy	Dark brown		Grid Sample	
46	A046	AT	2008/8/19	8733773	281105	1291	Flat plain	N		25		Dry	None		Sandy	Dark brown		Grid Sample	
47	A047	AT	2008/8/19	8731993	280815	1270	Flat plain	N		55		Dry	None		Sandy	Dark brown		Grid Sample	
48	A048	AT	2008/8/19	8730028	281034	1299	Flat plain	N		10		Dry	None		Sandy	Dark brown		Grid Sample	
49	A049	AT	2008/8/19	8738003	281028	1307	Flat plain	N		65		Dry	None		Sandy	Dark brown		Grid Sample	
50	A050	AT	2008/8/19	8727997	278015	1290	Flat plain	N		70		Dry	None		Sandy	Dark brown		Grid Sample	
51	A051	AT	2008/8/19	8730047	278000	1300	Flat plain	N		20		Dry	None		Sandy	Dark brown		Grid Sample	
52	A052	AT	2008/8/19	8732012	277883	1288	Flat plain	N		15		Dry	None		Sandy	Dark brown		Grid Sample	
53	A053	AT	2008/8/19	8734031	278087	1282	Flat plain	N		30		Dry	None		Sandy	Dark brown		Grid Sample	
54	A054	AT	2008/8/21	8723949	274004	1257	Flat plain	N		15		Dry	None		Sandy	Dark brown		Grid Sample	
55	A055	AT	2008/8/21	8722043	274018	1245	Flat plain	N		10		Dry	None		Sandy	Dark brown		Grid Sample	
56	A056	AT	2008/8/21	8720017	274036	1255	Flat plain	N		60		Dry	None		Sandy	Dark brown		Grid Sample	
57	A057	AT	2008/8/21	8718019	274009	1255	Flat plain	N		70		Dry	None		Sandy	Dark brown		Grid Sample	
58	A058	AT	2008/8/21	8720019	277881	1277	Flat plain	N		15		Dry	None		Sandy	Dark brown		Grid Sample	
59	A059	AT	2008/8/21	8722010	278009	1287	Flat plain	N		15		Dry	None		Sandy	Dark brown		Grid Sample	
60	A060	AT	2008/8/21	8724013	278015	1274	Flat plain	N		65		Dry	None		Sandy	Dark brown		Grid Sample	
61	A061	AT	2008/8/22	8733977	274020	1262	Flat plain	N		65		Dry	None		Sandy	Dark brown		Grid Sample	
62	A062	AT	2008/8/22	8732006	274037	1278	Flat plain	N		20		Dry	None		Sandy	Dark brown		Grid Sample	
63	A063	AT	2008/8/22	8729997	274001	1268	Flat plain	N		15		Dry	None		Sandy	Dark brown		Grid Sample	
64	A064	AT	2008/8/22	8728013	274031	1276	Flat plain	N		25		Dry	None		Sandy	Dark brown		Grid Sample	
65	A065	AT	2008/8/22	8726029	274023	1277	Flat plain	N		60		Dry	None		Sandy	Dark brown		Grid Sample	
66	A066	AT	2008/8/22	8726010	278018	1294	Flat plain	N		10		Dry	None		Sandy	Dark brown		Grid Sample	
67	A067	AT	2008/8/22	8740027	281040	1307	Flat plain	N		55		Dry	None		Sandy	Dark brown		Grid Sample	
68	A070	AT	2008/9/1	8740029	277998	1286	Flat plain	N		10		Dry	None		Sandy	Dark brown		Grid Sample	
69	A071	AT	2008/9/1	8738016	278038	1272	Flat plain	N		15		Dry	None		Sandy	Dark brown		Grid Sample	
70	A072	AT	2008/9/1	8735993	278000	1283	Flat plain	N		65		Dry	None		Sandy	Dark brown		Grid Sample	
71	A073	AT	2008/9/1	8736056	280997	1285	Flat plain	N		20		Dry	None		Sandy	Dark brown		Grid Sample	
72	A074	AT	2008/9/1	8738060	281068	1305	Flat plain	N		35		Dry	None		Sandy	Dark brown		Grid Sample	



# Appendix V-16 List of Collected Soil Samples 2/8

ser	ID	Sampler	Date	Coordinate (Arc 1950)		Landform	Float	Geology Type (O/F/B/N)	Geology Remark	Organic rich layer thickness(cm)	Sampling depth(cm)	Organic contents	Ground condition	Gravel	Variety of rock chip	Viscosity	Color	Remark	Sample type
				Northing	Eastings														
73	A075	AT	2008/9/1	8740164	281112	1311	Flat plain	N		65			None		Sandy	Orange		Grid Sample	
74	A076	AT	2008/9/1	8738243	273842	1275	Flat plain	N		70			None		Sandy	Yellow		Grid Sample	
75	A077	AT	2008/9/1	8735742	274212	1271	Flat plain	N		55			None		Sandy	Orange		Grid Sample	
76	A078	AT	2008/9/2	8739987	274003	1257	Flat plain	N		60			None		Sandy	Yellow		Grid Sample	
77	A079	AT	2008/9/2	8742028	274017	1242	Flat plain	N		60			None		Sandy	Yellow		Grid Sample	
78	A080	AT	2008/9/2	8744023	274008	1267	Flat plain	N		50			None		Sandy	Orange		Grid Sample	
79	A081	AT	2008/9/2	8744019	274016	1243	Flat plain	N		60			None		Sandy	Dark brown		Grid Sample	
80	A082	AT	2008/9/2	8742131	270078	1228	Flat plain	N		50			None		Sandy	Dark brown		Grid Sample	
81	A083	AT	2008/9/4	8742401	281041	1255	Flat plain	N		50			None		Sandy	Dark brown		Grid Sample	
82	A084	AT	2008/9/4	8743821	278108	1240	Flat plain	N		60			None		Sandy	Dark brown		Grid Sample	
83	A085	AT	2008/9/5	8742012	278005	1269	Flat plain	N		60			None		Sandy	Yellow		Grid Sample	
84	A086	AT	2008/9/8	8778142	278147	1236	Flat plain	N		50			None		Sandy	Yellow		Grid Sample	
85	A087	AT	2008/9/8	8780123	277699	1228	Flat plain	N		50			None		Sandy	Red brown		Grid Sample	
86	A088	AT	2008/9/8	8781906	277877	1197	Flat plain	N		50			None		Sandy	Dark brown		Grid Sample	
87	A089	AT	2008/9/8	8781975	281062	1238	Gentle Slope	F	angular gravel	8			Abundant	Sandstone/Shale/Quartzite		Orange	angular gravel ss.sh.qtz	Grid Sample	
88	A090	AT	2008/9/8	8779957	281004	1242	Flat plain	N		50			None		Sandy	Orange		Grid Sample	
89	A091	AT	2008/9/8	8777951	280956	1236	Flat plain	N		5			None		Sandy	Dark brown		Grid Sample	
90	A092	AT	2008/9/9	8777978	274042	1219	Flat plain	N		55			None		Sandy	Orange		Grid Sample	
91	A093	AT	2008/9/9	8779897	273987	1213	Flat plain	N		60			None		Sandy	Yellow		Grid Sample	
92	A094	AT	2008/9/9	8779604	270045	1185	Flat plain	N		60			None		Sandy	Dark brown		Grid Sample	
93	A095	AT	2008/9/9	8777998	270353	1185	Flat plain	N		50			None		Sandy	Dark brown		Grid Sample	
94	A096	AT	2008/9/9	8776105	271090	1188	Flat plain	N		10			None		Sandy	Yellow		Grid Sample	
95	A097	AT	2008/9/9	8774002	270897	1212	Flat plain	N		55			None		Sandy	Dark brown		Grid Sample	
96	A098	AT	2008/9/10	8770460	277615	1222	Flat plain	N		60			None		Sandy	Dark brown		Grid Sample	
97	A099	AT	2008/9/10	8767987	277995	1242	Flat plain	N		60			None		Sandy	Orange		Grid Sample	
98	A100	AT	2008/9/10	8766014	278016	1245	Flat plain	N		55			None		Sandy	Orange		Grid Sample	
99	A101	AT	2008/9/10	8764032	278033	1260	Flat plain	N		60			None		Sandy	Orange		Grid Sample	
100	A102	AT	2008/9/10	8764038	281035	1252	Flat plain	N		55			None		Sandy	Orange		Grid Sample	
101	A103	AT	2008/9/10	8766010	281009	1230	Flat plain	N		20			None		Sandy	Dark brown		Grid Sample	
102	A104	AT	2008/9/10	8769013	281026	1251	Flat plain	N		35			None		Sandy	Red brown		Grid Sample	
103	A105	AT	2008/9/10	8770008	281016	1250	Flat plain	N		60			None		Sandy	Yellow		Grid Sample	
104	A106	AT	2008/9/10	8772221	280958	1235	Flat plain	N		35			None		Sandy	Yellow		Grid Sample	
105	A107	AT	2008/9/11	8774193	278016	1245	Flat plain	N		15			None		Sandy	Dark brown		Grid Sample	
106	A108	AT	2008/9/11	8774066	274060	1237	Flat plain	N		25			None		Sandy	Orange		Grid Sample	
107	A109	AT	2008/9/11	8770118	266574	1215	Flat plain	N		60			None		Sandy	Orange		Grid Sample	
108	A110	AT	2008/9/11	8772048	266018	1202	Flat plain	N		15			None		Sandy	Yellow		Grid Sample	
109	B001	NT	2008/7/21	8693662	270010	1253	Flat plain	N		20		including	None		Sandy	Red brown	sample contains small roots	Grid Sample	
110	B002	NT	2008/7/21	8696002	270020	1238	Flat plain	N		15		including	None		Sandy	Red brown	presence of small roots	Grid Sample	
111	B003	NT	2008/7/21	8698005	270025	1222	Flat plain	N		50		including	None		Sandy	Red brown	presence of small roots	Grid Sample	
112	B004	NT	2008/7/23	8696048	274038	1258	Flat plain	N		15		including	None		Sandy	light brown	light orange color. Lighter than B001	Grid Sample	
113	B005	NT	2008/7/23	8698008	274012	1233	Flat plain	N		50		including	None		Sandy	Red brown	presence of small roots	Grid Sample	
114	B006	NT	2008/7/23	8699728	274092	1203	Gentle Slope	F	rounded Qtz-vein	10		including	None		Sandy	Red brown	light red brown. Lighter than B005	Grid Sample	
115	B007	NT	2008/7/23	8699888	277843	1211	Gentle Slope	F	rounded Qtz-vein	15		including	None		Sandy	Red brown	Near bottom rounded qz+ rounded quartzite.	Grid Sample	
116	B008	NT	2008/7/23	8698010	277865	1251	Flat plain	N		15		including	None		Sandy	Red brown	presence of small roots	Grid Sample	
117	B009	NT	2008/7/23	8695982	277944	1282	Flat plain	N		50		including	None		Sandy	Red brown	presence of small roots	Grid Sample	
118	B010	NT	2008/7/24	8692009	281008	1304	Flat plain	N		20		including	None		Sandy	Red brown	Presence of small roots	Grid Sample	
119	B011	NT	2008/7/24	8690012	281014	1299	Flat plain	N		50		including	None		Sandy	Red brown	Presence of small roots	Grid Sample	
120	B012	NT	2008/7/24	8698011	281016	1270	Flat plain	N		25		including	None		Sandy	Light brown	Presence of small roots	Grid Sample	
121	B013	NT	2008/7/24	8696002	281035	1270	Flat plain	N		50		including	None		Sandy	Grayish brown	Presence of small roots	Grid Sample	
122	B014	NT	2008/7/24	8694008	281010	1254	Flat plain	N		50		including	Abundant		Sandy	Red brown	Presence of rounded gravel	Grid Sample	
123	B015	NT	2008/8/5	8712040	284759	1191	Flat plain	N		20			None		Sandy	Red brown	small arts nest	Grid Sample	
124	B016	NT	2008/8/5	8714048	284061	1190	Flat plain	N		50			None		Sandy	Red brown	soft and porous soil	Grid Sample	
125	B017	NT	2008/8/5	8716002	253977	1200	Flat plain	N		18			None		Sandy	Red brown	small roots	Grid Sample	
126	B018	NT	2008/8/5	8718628	250916	1176	Flat plain	N		55		including	None		Sandy	Red brown	small roots	Grid Sample	
127	B019	NT	2008/8/5	8718564	254019	1191	Flat plain	N		20			None		Sandy	Yellow	small roots	Grid Sample	
128	B020	NT	2008/8/6	8719552	257996	1211	Flat plain	N		20		including	None		Sandy	Orange	small roots	Grid Sample	
129	B021	NT	2008/8/6	8717972	258053	1210	Flat plain	N		55		including	None		Sandy	Orange	small roots	Grid Sample	
130	B022	NT	2008/8/6	8715942	258177	1214	Flat plain	F	Ferrich laterite	15		including	None		Sandy	Orange	few gravel of Laterite	Grid Sample	
131	B023	NT	2008/8/6	8714048	258376	1213	Flat plain	N		40		including	None		Sandy	Yellow	Near Alluvium	Grid Sample	
132	B024	NT	2008/8/7	8721950	262058	1208	Gentle Slope	N		25		including	None		Sandy	Orange	small roots	Grid Sample	
133	B025	NT	2008/8/7	8719930	261910	1231	Flat plain	N		15			None		Sandy	Yellow	small roots	Grid Sample	
134	B026	NT	2008/8/7	8718124	261892	1230	Flat plain	N		60		including	None		Sandy	Yellow		Grid Sample	
135	B027	NT	2008/8/7	8716192	261717	1207	Flat plain	N		30		including	None		Sandy	Red brown	hard soil	Grid Sample	
136	B028	NT	2008/8/8	8722274	266000	1233	Flat plain	N		55			None		Sandy	Yellow		Grid Sample	
137	B029	NT	2008/8/8	8720072	265998	1244	Flat plain	N		20			None		Sandy	Orange		Grid Sample	
138	B030	NT	2008/8/8	8718144	265978	1227	Flat plain	N		50			None		Sandy	Yellow	soft soil	Grid Sample	
139	B031	NT	2008/8/11	8687880	254018	1186	Flat plain	F	Qtz-vein/crystal	30		including	Few	Sandstone	Sandy	Dark brown	Sandstone contains hematite spots.	Grid Sample	
140	B032	NT	2008/8/19	8755632	266416	1213	Flat plain	N		20		including	None		Sandy	light brown	Soil looks like pseudomorph of micaceous silts.	Grid Sample	
141	B047	NT	2008/8/19	8750118	269825	1218	Flat plain	N		25			None		Sandy	Yellow	presence of small roots	Grid Sample	
142	B048	NT	2008/8/19	8750118	269825	1218	Flat plain	N		25			None		Sandy	Yellow		Grid Sample	
143	B049	NT	2008/8/19	8752120	277950	1260	Flat plain	N		35		including	None		Sandy	Dark brown		Grid Sample	
144	B050	NT	2008/8/19	8753638	281046	1245	Flat plain	N		35		including	None		Sandy	Orange	presence of small roots	Grid Sample	

# Appendix V-16 List of Collected Soil Samples 3/8

ser	ID	Sampler	Date	Coordinate (Arc 1950)		Landform	Float	Geology Type (O/F/B/N)	Geology Remark	Organic rich layer thickness(cm)	Sampling depth(cm)	Organic contents	Ground condition	Gravel	Variety of rock chip	Viscosity	Color	Remark	Sample type
				Northing	Eastings														
145	B051	NT	2008/8/19	8753116	274108	1238 Flat plain		N		50	including	Dry	None		Sandy	Yellow	presence of small roots	Grid Sample	
146	B052	NT	2008/8/20	8748000	266060	1229 Flat plain		N		60	including	Dry	None		Sandy	Red brown	presence of small roots	Grid Sample	
147	B053	NT	2008/8/20	8749834	266005	1237 Flat plain		N		60	including	Dry	None		Sandy	Orange	presence of small roots	Grid Sample	
148	B054	NT	2008/8/20	8752100	266079	1226 Flat plain		N		35	including	Dry	None		Sandy	Orange	presence of small roots	Grid Sample	
149	B055	NT	2008/8/20	8753946	265997	1221 Flat plain		N		20	including	Dry	None		Sandy	Orange	presence of small roots	Grid Sample	
150	B056	NT	2008/8/20	8747918	269846	1238 Flat plain		N		30	including	Dry	None		Sandy	Orange		Grid Sample	
151	B057	NT	2008/8/20	8746128	270006	1243 Flat plain		N		65		Dry	None		Sandy	Orange		Grid Sample	
152	B064	NT	2008/8/21	8760026	277708	1272 Flat plain		N		25		Dry	None		Sandy	Yellow		Grid Sample	
153	B065	NT	2008/8/21	8760976	281023	1252 Flat plain		N		35		Dry	None		Sandy	Yellow		Grid Sample	
154	B066	NT	2008/8/21	8759110	274172	1296 Flat plain		N		35		Dry	None		Sandy	Orange		Grid Sample	
155	B067	NT	2008/8/21	8748014	274002	1234 Gentle Slope		N		50	including	Dry	None		Sandy	Black	Near stream	Grid Sample	
156	B068	NT	2008/8/22	8750024	274011	1246 Flat plain		N		10	including	Dry	None		Sandy	Red brown	presence of small roots	Grid Sample	
157	B069	NT	2008/8/22	8752100	273935	1249 Flat plain		N		25	including	Dry	None		Sandy	Dark brown		Grid Sample	
158	B070	NT	2008/8/22	8753912	273374	1249 Flat plain		N		30	including	Dry	None		Sandy	Orange		Grid Sample	
159	B071	NT	2008/8/22	8755754	270238	1215 Flat plain		N		35		Dry	None		Sandy	Yellow	Near Alluvial deposits	Grid Sample	
160	B072	NT	2008/8/22	8753998	270035	1228 Flat plain		N		25		Dry	None		Sandy	Orange		Grid Sample	
161	B073	NT	2008/8/22	8751920	270010	1229 Flat plain		N		55		Dry	None		Sandy	Orange		Grid Sample	
162	B074	NT	2008/8/22	8750200	270062	1211 Gentle Slope		N		60		Dry	None		Sandy	Yellow	Near Lukashishi river	Grid Sample	
163	B075	NT	2008/8/21	8745824	265979	1197 Flat plain		N		20		Dry	None		Sandy	Orange		Grid Sample	
164	B076	NT	2008/8/21	8746266	262078	1201 Flat plain		N		30		Dry	None		Sandy	Orange		Grid Sample	
165	B077	NT	2008/8/21	8748184	262095	1199 Flat plain		N		60		Dry	None		Sandy	Orange		Grid Sample	
166	B078	NT	2008/8/21	8750014	262019	1217 Flat plain		N		20		Dry	None		Sandy	Red brown		Grid Sample	
167	B079	NT	2008/8/21	8746164	273997	1263 Flat plain		N		25		Dry	None		Sandy	Red brown		Grid Sample	
168	B080	NT	2008/8/22	8759970	274044	1241 Flat plain		N		15		Dry	None		Sandy	Red brown		Grid Sample	
169	B081	NT	2008/8/22	8761830	274059	1223 Flat plain		N		35		Dry	None		Sandy	Yellow	Near Alluvium	Grid Sample	
170	B082	NT	2008/8/22	8746080	278081	1265 Flat plain		N		55		Dry	None		Sandy	Yellow		Grid Sample	
171	B083	NT	2008/8/24	8753624	277228	1261 Flat plain		N		30		Dry	None		Sandy	Yellow		Grid Sample	
172	B084	NT	2008/8/24	8756008	278047	1265 Flat plain		N		50		Dry	None		Sandy	Yellow		Grid Sample	
173	B085	NT	2008/8/24	8757524	278468	1273 Flat plain		N		30		Dry	None		Sandy	Yellow		Grid Sample	
174	B086	NT	2008/8/24	8757700	280732	1269 Flat plain		N		29		Dry	None		Sandy	Yellow		Grid Sample	
175	B087	NT	2008/8/24	8756002	280889	1282 Flat plain		N		15		Dry	None		Sandy	Orange		Grid Sample	
176	B088	NT	2008/8/24	8754100	280890	1216 Flat plain		N		35		Dry	None		Sandy	Orange		Grid Sample	
177	B089	NT	2008/8/25	8743956	266291	1229 Flat plain		N		30		Dry	None		Sandy	Red brown		Grid Sample	
178	B090	NT	2008/8/25	8744414	261898	1201 Flat plain		N		10	including	Dry	None		Sandy	Orange		Grid Sample	
179	B091	NT	2008/8/25	8757974	270003	1225 Flat plain		N		40		Dry	None		Sandy	Red brown		Grid Sample	
180	B092	NT	2008/8/26	8719938	270233	1225 Flat plain		N		15		Dry	None		Sandy	Orange		Grid Sample	
181	B093	NT	2008/8/26	8717980	269847	1227 Flat plain		N		55		Dry	None		Sandy	Red brown		Grid Sample	
182	B094	NT	2008/8/26	8721894	270048	1228 Flat plain		N		20		Dry	None		Sandy	Yellow	near alluvial deposit	Grid Sample	
183	B095	NT	2008/8/27	8747116	280796	1247 Flat plain		N		25		Dry	None		Sandy	Orange		Grid Sample	
184	B096	NT	2008/8/27	8772076	278299	1235 Flat plain		N		35	including	Dry	None		Sandy	Orange		Grid Sample	
185	B097	NT	2008/8/27	8775686	280662	1235 Flat plain		N		20		Dry	None		Sandy	Yellow		Grid Sample	
186	B098	NT	2008/8/27	8775680	277859	1232 Flat plain		N		20		Dry	None		Sandy	Yellow		Grid Sample	
187	B099	NT	2008/8/27	8776258	273823	1218 Flat plain		N		20		Dry	None		Sandy	Orange		Grid Sample	
188	B100	NT	2008/8/27	8771900	270024	1217 Flat plain		N		25	including	Dry	None		Sandy	Red brown	Burned forest. Presence of small roots	Grid Sample	
189	B101	NT	2008/8/27	8767778	266124	1220 Flat plain		N		30		Dry	None		Sandy	Yellow		Grid Sample	
190	B102	NT	2008/8/27	8766064	261915	1195 Flat plain		N		35		Dry	None		Sandy	Yellow		Grid Sample	
191	B103	NT	2008/8/27	8763692	258351	1190 Flat plain		N		25		Dry	None		Sandy	Orange		Grid Sample	
192	B104	NT	2008/8/28	8754088	262426	1221 Flat plain		N		50	including	Dry	None		Sandy	Dark brown		Grid Sample	
193	B105	NT	2008/8/28	8751980	261506	1235 Flat plain		N		60	including	Dry	None		Sandy	Dark brown		Grid Sample	
194	B106	NT	2008/8/28	8753952	258033	1193 Flat plain		N		20		Dry	None		Sandy	Yellow		Grid Sample	
195	B107	NT	2008/8/28	8761028	257896	1198 Flat plain		N		30		Dry	None		Sandy	Yellow		Grid Sample	
196	B108	NT	2008/8/28	8758310	258877	1204 Flat plain		N		20		Dry	None		Sandy	Orange		Grid Sample	
197	B109	NT	2008/8/28	8755792	259425	1216 Flat plain		N		25		Dry	None		Sandy	Yellow		Grid Sample	
198	B110	NT	2008/8/28	8757946	261731	1234 Flat plain		N		20	including	Dry	None		Sandy	Orange		Grid Sample	
199	B111	NT	2008/8/29	8751886	261782	1213 Gentle Slope		N		30		Dry	None		Sandy	Dark brown		Grid Sample	
200	B112	NT	2008/8/29	8755648	258588	1207 Flat plain		N		50		Dry	None		Sandy	Yellow		Grid Sample	
201	B113	NT	2008/8/29	8752038	258515	1215 Flat plain		N		15		Dry	None		Sandy	Yellow		Grid Sample	
202	B114	NT	2008/8/29	8749972	257708	1217 Flat plain		N		35		Dry	None		Sandy	Orange		Grid Sample	
203	B115	NT	2008/8/29	8748018	257870	1212 Flat plain		N		25		Dry	None		Sandy	Dark brown		Grid Sample	
204	B116	NT	2008/8/29	8746008	258194	1212 Flat plain		N		60		Dry	None		Sandy	Orange		Grid Sample	
205	B117	NT	2008/8/30	8770010	269908	1229 Flat plain		N		20		Dry	None		Sandy	Orange		Grid Sample	
206	B118	NT	2008/8/30	8768022	267063	1214 Flat plain		N		20		Dry	None		Sandy	Yellow		Grid Sample	
207	B119	NT	2008/8/30	8766184	270242	1215 Flat plain		N		50		Dry	None		Sandy	Yellow		Grid Sample	
208	B120	NT	2008/8/30	8766130	273847	1255 Flat plain		N		20	including	Dry	None		Sandy	Orange	Presence of small roots	Grid Sample	
209	B121	NT	2008/8/30	8768026	273927	1239 Flat plain		N		20		Dry	None		Sandy	Orange		Grid Sample	
210	B122	NT	2008/8/30	8769594	274012	1213 Gentle Slope		N		50		Dry	None		Sandy	Yellow		Grid Sample	
211	B123	NT	2008/8/30	8771992	273992	1224 Flat plain		N		20		Dry	None		Sandy	Orange		Grid Sample	
212	C001	EG	2008/7/28	8694001	278005	1291 Flat plain		N		50	including	Dry	None		Sandy	Red brown	Presence of small roots	Grid Sample	
213	C002	EG	2008/7/28	8692009	278015	1264 Flat plain		N		40	including	Dry	None		Sandy	Light brown	Presence of small roots	Grid Sample	
214	C003	EG	2008/7/28	8690013	278020	1275 Flat plain		N		20	including	Dry	None		Sandy	Light brown	Presence of small roots	Grid Sample	
215	C004	EG	2008/7/28	8688007	278016	1284 Flat plain		N		30	including	Dry	None		Sandy	Red brown	Presence of small roots	Grid Sample	
216	C005	EG	2008/7/28	8686013	278027	1297 Flat plain		N		20	including	Dry	None		Sandy	Red brown	Presence of small roots	Grid Sample	

# Appendix V-16 List of Collected Soil Samples 4/8

ser	ID	Sampler	Date	Coordinate (Arc 1950)		Landform	Float	Geology Type (O/F/B/N)	Geology Remark	Organic rich layer thickness(cm)	Sampling depth(cm)	Organic contents including	Ground condition	Gravel	Variety of rock chip	Viscosity	Color	Remark	Sample type
				Northing	Eastings														
217	C006	FC	2008/7/28	8684008	278015	1269	Flat plain	N		50	including	Dry	None		Sandy	Orange	Presence of small roots	Grid Sample	
218	C007	FC	2008/7/28	8682011	278021	1266	Gentle Slope	N		20	including	Dry	None		Sandy	Orange	Presence of small roots	Grid Sample	
219	C008	FC	2008/7/28	8679995	278011	1239	Gentle Slope	N		60	including	Dry	None		Sandy	Orange	Presence of small roots	Grid Sample	
220	C009	FC	2008/7/29	8700071	282137	1232	Flat plain	N		60	including	Dry	None		Sandy	Light brown	Presence of small roots	Grid Sample	
221	C010	FC	2008/7/29	8688091	282194	1213	Gentle Slope	N		30	including	Dry	None		Sandy	Light brown	Presence of small roots	Grid Sample	
222	C011	FC	2008/7/29	8686187	281912	1196	Gentle Slope	N		20	including	Dry	None		Sandy	Light brown	Presence of small roots	Grid Sample	
223	C012	FC	2008/7/29	8686013	286926	1218	Gentle Slope	N		50	including	Dry	None		Sandy	Light brown	Presence of small roots	Grid Sample	
224	C013	FC	2008/7/29	8684016	286801	1226	Flat plain	N		20	including	Dry	None		Sandy	Orange	Presence of small roots	Grid Sample	
225	C014	FC	2008/7/30	8682008	282011	1232	Flat plain	N		30	including	Dry	None		Sandy	Light brown	Presence of small roots	Grid Sample	
226	C015	FC	2008/7/30	8683924	282016	1210	Flat plain	N		20	including	Dry	None		Sandy	Orange	Presence of small roots	Grid Sample	
227	C016	FC	2008/7/30	8682016	286601	1221	Flat plain	N		20	including	Dry	None		Clayey	Grey	Presence of roots	Grid Sample	
228	C017	FC	2008/7/30	8682016	286601	1221	Flat plain	N		30	including	Dry	None		Sandy	Orange	Presence of roots	Grid Sample	
229	C018	FC	2008/7/30	8689003	266009	1252	Flat plain	N		20	including	Dry	None		Sandy	Orange	Presence of roots	Grid Sample	
230	C019	FC	2008/7/30	8689009	266012	1209	Flat plain	N		50	including	Dry	None		Sandy	Orange	Presence of roots	Grid Sample	
231	C020	FC	2008/7/31	8700015	2866016	1226	Flat plain	N		17	including	Dry	None		Sandy	Light brown	Presence of roots	Grid Sample	
232	C021	FC	2008/7/31	8686018	270018	1240	Flat plain	N		30	including	Dry	None		Sandy	Light brown	Presence of roots	Grid Sample	
233	C022	FC	2008/7/31	8686010	270013	1250	Flat plain	N		20	including	Dry	None		Sandy	Light brown	Presence of roots	Grid Sample	
234	C023	FC	2008/7/31	8684016	270017	1260	Flat plain	N		20	including	Dry	None		Sandy	Red brown	Presence of small roots	Grid Sample	
235	C024	FC	2008/7/31	8682023	270009	1228	Flat plain	B	Outcrop	50	including	Dry	Abundant		Sandy	Orange	Presence of roots and gravel	Grid Sample	
236	C025	FC	2008/7/31	8684013	265985	1213	Gentle Slope	N		35	including	Dry	None		Clayey	Orange	Presence of roots and gravel	Grid Sample	
237	C026	FC	2008/8/1	8683649	257993	1193	Slope	N		45	including	Dry	None		Sandy	Grey	Presence of sandstone outcrop 170m N	Grid Sample	
238	C027	FC	2008/8/1	8683040	257977	1218	Flat plain	N		30	including	Dry	None		Sandy	Orange	Presence of roots	Grid Sample	
239	C028	FC	2008/8/1	8692006	258014	1217	Flat plain	N		50	including	Dry	None		Sandy	Light brown	Presence of roots	Grid Sample	
240	C029	FC	2008/8/1	8692003	258008	1190	Flat plain	N		20	including	Dry	None		Sandy	Red brown	Presence of roots	Grid Sample	
241	C030	FC	2008/8/1	8690000	254086	1210	Flat plain	N		30	including	Dry	None		Sandy	Grey brown	Area is grassland	Grid Sample	
242	C031	FC	2008/8/5	8712001	281022	1316	Flat plain	N		15	including	Dry	None		Sandy	Light brown	Presence of small roots	Grid Sample	
243	C032	FC	2008/8/5	8710010	278015	1308	Flat plain	N		20	including	Dry	None		Sandy	Orange	Presence of small roots	Grid Sample	
244	C033	FC	2008/8/5	8708013	278017	1295	Flat plain	N		15	including	Dry	None		Sandy	Orange	Presence of small roots	Grid Sample	
245	C034	FC	2008/8/5	8706000	278031	1284	Flat plain	N		20	including	Dry	None		Sandy	Light brown	Presence of small roots	Grid Sample	
246	C035	FC	2008/8/5	8705010	281018	1267	Gentle Slope	N		20	including	Dry	None		Sandy	Orange	Presence of small roots	Grid Sample	
247	C036	FC	2008/8/5	8705012	274008	1299	Gentle Slope	N		30	including	Dry	None		Sandy	Light brown	Presence of small roots	Grid Sample	
248	C037	FC	2008/8/5	8705009	270026	1276	Gentle Slope	N		20	including	Dry	None		Sandy	Dark brown	Presence of small roots	Grid Sample	
249	C038	FC	2008/8/6	8709990	281034	1297	Flat plain	N		20	including	Dry	None		Sandy	Dark brown	Presence of small roots	Grid Sample	
250	C039	FC	2008/8/6	8708013	281016	1283	Flat plain	N		20	including	Dry	None		Sandy	Orange	Presence of small roots	Grid Sample	
251	C040	FC	2008/8/6	8704011	270018	1252	Flat plain	N		20	including	Dry	None		Sandy	Orange	Presence of small roots	Grid Sample	
252	C041	FC	2008/8/6	8701998	269994	1224	Slope	N		10	including	Dry	None		Sandy	Orange	Absence of small roots	Grid Sample	
253	C042	FC	2008/8/6	8700015	270014	1212	Slope	N		20	including	Dry	None		Sandy	Yellowish brown	Presence of small roots	Grid Sample	
254	C043	FC	2008/8/7	8704015	281018	1271	Flat plain	N		40	including	Dry	None		Sandy	Red brown	Presence of small roots	Grid Sample	
255	C044	FC	2008/8/7	8702008	281018	1236	Gentle Slope	N		15	including	Dry	None		Sandy	Red brown	Presence of small roots	Grid Sample	
256	C045	FC	2008/8/7	8702011	1244	Gentle Slope	N		10	50	including	Dry	None		Sandy	Orange	Presence of small roots	Grid Sample	
257	C046	FC	2008/8/7	8704007	278005	1263	Gentle Slope	N		20	including	Dry	None		Sandy	Orange	Presence of small roots	Grid Sample	
258	C047	FC	2008/8/8	8705987	274020	1281	Gentle Slope	N		10	including	Dry	None		Sandy	Light brown	Presence of small roots	Grid Sample	
259	C048	FC	2008/8/8	8704013	274014	1278	Gentle Slope	N		10	including	Dry	None		Sandy	Orange	Presence of small roots	Grid Sample	
260	C049	FC	2008/8/8	8702000	274000	1258	Gentle Slope	N		55	including	Dry	None		Sandy	Orange	Presence of small roots	Grid Sample	
261	C050	FC	2008/8/11	8682013	254016	1198	Flat plain	N		25	including	Dry	None		Sandy	light brown	Absence of roots	Grid Sample	
262	C051	FC	2008/8/11	8683971	250104	1183	Gentle Slope	N		35	including	Dry	None		Sandy	Grey	Sample taken 400m south of Kanchibia	Grid Sample	
263	C052	FC	2008/8/12	8682016	254031	1217	Flat plain	N		10	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Grid Sample	
264	C053	FC	2008/8/12	8682016	254026	1225	Flat plain	N		50	including	Dry	None		Sandy	Greyish brown	Presence of roots at sampling depth	Grid Sample	
265	C054	FC	2008/8/12	8682011	254017	1218	Gentle Slope	N		30	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Grid Sample	
266	C055	FC	2008/8/12	8673021	253919	1193	Slope	N		30	including	Dry	None		Sandy	White	Sample taken 720m North of the river	Grid Sample	
267	C056	FC	2008/8/21	8736003	270004	1248	Flat plain	N		35	including	Humid	None		Sandy	Light brown	Presence of roots at sampling depth	Grid Sample	
268	C057	FC	2008/8/21	8736011	266016	1227	Flat plain	N		20	including	Dry	None		Sandy	Orange	Presence of roots at sampling depth	Grid Sample	
269	C058	FC	2008/8/21	8734009	262011	1215	Flat plain	N		20	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Grid Sample	
270	C059	FC	2008/8/21	8734000	259007	1204	Flat plain	N		50	including	Dry	None		Sandy	Greyish brown	Absence of roots at sampling depth	Grid Sample	
271	C060	FC	2008/8/21	8731992	254029	1207	Flat plain	N		23	including	Dry	None		Sandy	Whitish yellow	Sample taken at the edge of the plain	Grid Sample	
272	C061	FC	2008/8/21	8730000	254000	1203	Flat plain	N		50	including	Dry	None		Sandy	Greyish brown	Presence of roots at sampling depth	Grid Sample	
273	C062	FC	2008/8/21	8732923	253929	1197	Gentle Slope	N		20	including	Dry	None		Sandy	Yellow	Presence of small roots at depth	Grid Sample	
274	C063	FC	2008/8/22	8732070	258012	1201	Flat plain	N		17	including	Humid	None		Sandy	Orange	Sample taken on the edge of the plain	Grid Sample	
275	C064	FC	2008/8/22	8730014	258018	1216	Flat plain	N		10	including	Dry	None		Sandy	Greyish brown	Presence of small roots at depth	Grid Sample	
276	C065	FC	2008/8/22	8728006	258011	1225	Flat plain	N		50	including	Dry	None		Sandy	Greyish brown	Presence of small roots at depth	Grid Sample	
277	C066	FC	2008/8/22	8726007	258024	1239	Gentle Slope	N		40	including	Dry	None		Sandy	Greyish brown	Presence of small roots at depth	Grid Sample	
278	C067	FC	2008/8/22	8724012	258015	1225	Gentle Slope	N		50	including	Dry	None		Sandy	Light brown	Presence of small roots at depth	Grid Sample	
279	C068	FC	2008/8/22	8721997	258020	1217	Gentle Slope	N		20	including	Dry	None		Sandy	Red brown	Presence of small roots at depth	Grid Sample	
280	C069	FC	2008/8/25	8726012	254006	1213	Gentle Slope	N		10	including	Dry	None		Sandy	Greyish brown	Presence of small roots at depth	Grid Sample	
281	C070	FC	2008/8/25	8724010	254012	1221	Flat plain	N		30	including	Dry	None		Sandy	Greyish brown	Presence of small roots at depth	Grid Sample	
282	C071	FC	2008/8/25	8722015	254019	1214	Flat plain	N		30	including	Dry	None		Sandy	Light brown	Presence of small roots at depth	Grid Sample	
283	C072	FC	2008/8/25	8720037	254156	1193	Flat plain	N		20	including	Dry	None		Sandy	Orange	Sample taken on the edge of the plain	Grid Sample	
284	C073	FC	2008/8/25	8728003	250204	1210	Flat plain	N		20	including	Dry	None		Sandy	Yellow	Sample taken on the edge of the plain	Grid Sample	
285	C074	FC	2008/8/26	8726001	250002	1213	Flat plain	N		30	including	Dry	None		Sandy	Greyish white	Presence of roots in the pit	Grid Sample	
286	C075	FC	2008/8/26	8723970	249969	1198	Flat plain	N		30	including	Dry	None		Sandy	Greyish white	Presence of roots in the pit	Grid Sample	
287	C076	FC	2008/8/26	8721724	250018	1192	Flat plain	N		10	including	Dry	None		Sandy	Light brown	Sample point moved 300m South	Grid Sample	
288	C077	FC	2008/8/26	8719844	250008	1192	Flat plain	N		30	including	Dry	None		Sandy	Light brown	Presence of roots in the pit	Grid Sample	

# Appendix V-16 List of Collected Soil Samples 5/8

ser	Sampler	Date	Coordinate (Arc 1950)		Landform	Flat	Geology Type (O/F/B/N)	Geology Remark	Organic rich layer thickness(cm)	Sampling depth(cm)	Organic contents	Ground condition	Gravel	Variety of rock chip	Viscosity	Color	Remark	Sample type
			Northing	Easting														
289	C078	FC	2008/8/27	8732004	282015	1230	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
290	C079	FC	2008/8/27	8730010	282017	1236	Gentle Slope	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
291	C080	FC	2008/8/27	8730016	282013	1244	Gentle Slope	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
292	C081	FC	2008/8/27	8726016	282024	1244	Gentle Slope	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
293	C082	FC	2008/8/27	8724009	282026	1229	Gentle Slope	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
294	C083	FC	2008/8/28	8724342	286004	1221	Gentle Slope	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
295	C084	FC	2008/8/28	8720010	286006	1246	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
296	C085	FC	2008/8/28	8720012	286009	1261	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
297	C086	FC	2008/8/28	8726014	286010	1250	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
298	C087	FC	2008/8/28	8726016	286224	1235	Flat plain	N	N	50	including	Dry	None		Sandy	Point moved 227m Eastwards	Grid Sample	
299	C088	FC	2008/8/28	8724471	286339	1234	Slope	N	N	50	including	Dry	None		Sandy	Point moved 600m Eastwards	Grid Sample	
300	C089	FC	2008/8/29	8724006	270011	1260	Slope	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
301	C090	FC	2008/8/29	8720010	270016	1261	Slope	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
302	C091	FC	2008/8/29	8720010	270017	1266	Slope	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
303	C092	FC	2008/8/29	8727983	270028	1258	Slope	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
304	C093	FC	2008/8/29	8726010	270020	1247	Flat plain	N	N	50	including	Dry	None		Sandy	Absence of roots at sampling depth	Grid Sample	
305	C094	FC	2008/8/29	8724010	270022	1233	Gentle Slope	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
306	C095	FC	2008/9/1	8736016	282003	1195	Gentle Slope	N	N	50	including	Dry	None		Sandy	Absence of roots at sampling depth	Grid Sample	
307	C096	FC	2008/9/1	8738014	282020	1214	Gentle Slope	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
308	C097	FC	2008/9/1	8740017	282021	1224	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
309	C098	FC	2008/9/2	8738017	283016	1198	Flat plain	N	N	50	including	Dry	None		Sandy	Sample taken near the plain	Grid Sample	
310	C099	FC	2008/9/2	8735956	283125	1198	Flat plain	N	N	50	including	Dry	None		Sandy	Sample moved 126m eastwards	Grid Sample	
311	C100	FC	2008/9/2	8738011	286016	1222	Gentle Slope	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
312	C101	FC	2008/9/4	8738011	270016	1244	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
313	C102	FC	2008/9/4	8740015	270011	1238	Gentle Slope	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
314	C103	FC	2008/9/4	8740013	286017	1220	Gentle Slope	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
315	C104	FC	2008/9/4	8742011	286021	1219	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
316	C105	FC	2008/9/5	8743944	280993	1282	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
317	C106	FC	2008/9/5	8748011	278014	1259	Gentle Slope	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
318	C107	FC	2008/9/5	8750043	278008	1268	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
319	C108	FC	2008/9/5	8752012	278017	1272	Gentle Slope	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
320	C109	FC	2008/9/5	8752011	281016	1288	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
321	C110	FC	2008/9/5	8750010	281017	1289	Gentle Slope	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
322	C111	FC	2008/9/5	8748010	281015	1274	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
323	C112	FC	2008/9/5	8746013	281016	1273	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
324	C113	FC	2008/9/10	8762016	282009	1204	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
325	C114	FC	2008/9/10	8762006	282017	1229	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
326	C115	FC	2008/9/10	8760011	282022	1227	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots in the pit	Grid Sample	
327	C116	FC	2008/9/10	8760002	286004	1229	Gentle Slope	N	N	50	including	Dry	None		Sandy	Absence of roots at sampling depth	Grid Sample	
328	C117	FC	2008/9/10	8762014	286013	1220	Gentle Slope	N	N	50	including	Dry	None		Sandy	Absence of roots at sampling depth	Grid Sample	
329	C118	FC	2008/9/10	8763981	285888	1215	Flat plain	N	N	50	including	Dry	None		Sandy	Sampling point moved away from plain	Grid Sample	
330	C119	FC	2008/9/10	8766013	286014	1222	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
331	C120	FC	2008/9/29	8694011	246014	1191	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
332	C121	FC	2008/9/29	8692008	246021	1197	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
333	C122	FC	2008/9/29	8699984	245988	1197	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
334	C123	FC	2008/9/29	8688011	246012	1202	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
335	C124	FC	2008/9/29	8686045	246004	1197	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
336	C125	FC	2008/9/29	8684055	245986	1206	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
337	C126	FC	2008/9/30	8684012	242016	1193	Gentle Slope	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
338	C127	FC	2008/9/30	8686011	242017	1192	Gentle Slope	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
339	C128	FC	2008/9/30	8686010	242015	1190	Gentle Slope	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
340	C129	FC	2008/9/30	8690010	242021	1188	Gentle Slope	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
341	C130	FC	2008/9/30	8692013	242024	1190	Gentle Slope	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
342	C131	FC	2008/9/30	8693924	241975	1184	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
343	C132	FC	2008/10/1	8662019	239021	1189	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
344	C133	FC	2008/10/1	8663981	237992	1188	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
345	C134	FC	2008/10/1	8665967	238068	1190	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
346	C135	FC	2008/10/1	8668014	238022	1185	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
347	C136	FC	2008/10/1	8690013	238018	1187	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
348	C137	FC	2008/10/1	8692010	238021	1189	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
349	C138	FC	2008/10/2	8686018	234015	1183	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
350	C139	FC	2008/10/2	8684010	234033	1181	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
351	C143	FC	2008/10/3	8724012	281011	1190	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
352	C144	FC	2008/10/3	8722011	281016	1199	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
353	C145	FC	2008/10/6	8688710	234016	1182	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
354	C146	FC	2008/10/6	8690111	234002	1181	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
355	C147	FC	2008/10/6	8692011	234016	1189	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
356	C148	FC	2008/10/6	8693911	238016	1188	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
357	C149	FC	2008/10/7	8693900	245911	1200	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
358	C150	FC	2008/10/7	8678010	285013	1189	Flat plain	N	N	50	including	Dry	None		Sandy	Presence of roots at sampling depth	Grid Sample	
359	C151	FC	2008/10/7	8676119	285014	1187	Flat plain	N	N	50	including	Dry	Few		Sandy	Presence of roots at sampling depth	Grid Sample	
360	C152	FC	2008/10/8	8664010	261913	1190	Flat plain	N	N	50	including	Dry	Few		Sandy	Presence of roots at sampling depth	Grid Sample	

# Appendix V-16 List of Collected Soil Samples 6/8

ser	ID	Sampler	Date	Coordinate (Arc 1950)		Landform	Float	Geology Type (O/F/B/N)	Geology Remark	Organic rich layer thickness(cm)	Sampling depth(cm)	Organic contents including	Ground condition	Gravel	Variety of rock chip	Viscosity	Color	Remark	Sample type
				Northing	Eastings														
381	C153	FC	2008/10/8	8681910	282013	1191 Flat plain		N		50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Grid Sample	
382	C154	FC	2008/10/8	8680012	2820010	1192 Flat plain		N		50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Grid Sample	
383	C155	FC	2008/10/8	8678013	2820010	1192 Flat plain		N		50	including	Dry	None		Sandy	Greyish brown	Presence of roots at sampling depth	Grid Sample	
384	C156	FC	2008/10/8	8676010	2820008	1195 Flat plain		N		50	including	Dry	None		Clayey	Orange	Presence of roots at sampling depth	Grid Sample	
385	C157	FC	2008/10/8	8674112	2821115	1195 Flat plain		N		50	including	Dry	None		Sandy	Orange	Presence of roots at sampling depth	Grid Sample	
386	C158	FC	2008/10/8	8681911	2866016	1196 Flat plain		N		50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Grid Sample	
387	C159	FC	2008/10/8	8680012	2859115	1196 Flat plain		N		50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Grid Sample	
388	C160	FC	2008/10/10	8678011	2860018	1197 Flat plain		N		50	including	Dry	None		Clayey	Yellow	Absence of roots at sampling depth	Grid Sample	
389	C161	FC	2008/10/10	8676012	2860018	1197 Flat plain		N		50	including	Dry	None		Clayey	Light brown	Presence of roots at sampling depth	Grid Sample	
390	C162	FC	2008/10/10	8674014	2860018	1198 Gentle Slope		N		50	including	Dry	Abundant		Sandy	Orange	Presence of roots at sampling depth	Grid Sample	
391	C163	FC	2008/10/13	8680012	2700018	1193 Flat plain		N		50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Grid Sample	
392	C164	FC	2008/10/13	8678012	2700011	1198 Flat plain		N		50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Grid Sample	
393	C165	FC	2008/10/13	8676014	2699112	1197 Flat plain		N		50	including	Dry	None		Sandy	Orange	Presence of roots at sampling depth	Grid Sample	
394	C166	FC	2008/10/13	8674010	2700015	1198 Flat plain		N		50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Grid Sample	
395	C167	FC	2008/10/14	8680015	2740010	1197 Flat plain		N		50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Grid Sample	
396	C168	FC	2008/10/14	8678011	2740010	1200 Flat plain		N		50	including	Dry	None		Sandy	Orange	Presence of roots at sampling depth	Grid Sample	
397	C169	FC	2008/10/14	8676015	2740010	1200 Flat plain		N		15	including	Dry	Few		Sandy	Light brown	Presence of roots at sampling depth	Grid Sample	
398	C170	FC	2008/10/14	8674011	2741116	1199 Slope		N		50	including	Dry	None		Sandy	Orange	Presence of roots at sampling depth	Grid Sample	
399	C171	FC	2008/10/14	8674011	2780016	1200 Flat plain		N		20	including	Dry	None		Sandy	Greyish brown	Presence of roots at sampling depth	Grid Sample	
380	D001	APD	2008/7/31	8687945	2740003	1261 Gentle Slope		N		48	including	Dry	None		Sandy	Red brown	Presence of roots at sampling depth	Grid Sample	
381	D002	APD	2008/7/31	8686000	2740000	1259 Gentle Slope		N		50	including	Dry	None		Sandy	Red brown	Wooded forest	Grid Sample	
382	D003	APD	2008/7/31	8684000	2740000	1235 Gentle Slope	Vein Quartz	N		50	including	Dry	None		Sandy	Red brown	Quartz vein about 100m due NE of point	Grid Sample	
383	D004	APD	2008/7/31	8682000	2740000	1217 Slope		N		20	including	Dry	None		Sandy	Light grey	Grty texture of soil sample	Grid Sample	
384	D005	APD	2008/8/1	8706000	2660009	1259 Flat plain		N		50	including	Dry	None		Sandy	Dark brown	Flat area but wooded	Grid Sample	
385	D006	APD	2008/8/1	8706000	2820000	1235 Gentle Slope		N		20	including	Dry	None		Sandy	Creamy white	Flat area surrounded by chitemene	Grid Sample	
386	D007	APD	2008/8/1	8704000	2660000	1243 Gentle Slope		N		50	including	Dry	None		Sandy	Dark grey	Top soil dark grey	Grid Sample	
387	D008	APD	2008/8/1	8701968	2657238	1215 Gentle Slope		N		25	including	Dry	None		Sandy	Light brown	Soil has fine texture	Grid Sample	
388	D009	APD	2008/8/1	8704006	2611998	1239 Gentle Slope		N		30	including	Dry	None		Sandy	Light brown	Soil becoming yellow	Grid Sample	
389	D010	APD	2008/8/1	8701994	2618968	1248 Gentle Slope		N		20	including	Dry	None		Sandy	Red brown	Soil has fine texture	Grid Sample	
390	D011	APD	2008/8/5	8693998	2591002	1213 Gentle Slope		N		20	including	Dry	None		Sandy	Yellowish brown	Soil has fine texture	Grid Sample	
391	D012	APD	2008/8/5	8697997	2540002	1207 Gentle Slope		N		50	including	Dry	None		Sandy	Yellow	Soil sampling point slightly damp	Grid Sample	
392	D013	APD	2008/8/5	8696001	2540004	1212 Gentle Slope		N		20	including	Dry	None		Sandy	Yellow	Light yellow coloured soil	Grid Sample	
393	D014	APD	2008/8/5	8693998	2540006	1189 Gentle Slope		N		50	including	Dry	None		Sandy	Light brown	Brownish and fine sandy soil	Grid Sample	
394	D015	APD	2008/8/5	8693998	2538996	1199 Slope		N		15	including	Dry	None		Sandy	Greyish brown	Greyish brown and fine sandy soil	Grid Sample	
395	D016	APD	2008/8/6	8703933	2578533	1199 Gentle Slope		N		23	including	Dry	None		Sandy	Dark brown	Sample taken close to a flood plain	Grid Sample	
396	D017	APD	2008/8/6	8703933	2578533	1199 Gentle Slope		N		28	including	Dry	None		Sandy	Light brown	Soil sample appears greyish	Grid Sample	
397	D018	APD	2008/8/6	8706026	2580005	1224 Gentle Slope		N		50	including	Dry	None		Sandy	Red brown	Plant roots present at sampling depth	Grid Sample	
398	D019	APD	2008/8/6	8708005	2580005	1223 Gentle Slope		N		30	including	Dry	None		Sandy	Dark brown	Absence of small roots	Grid Sample	
399	D020	APD	2008/8/6	8708001	2539999	1200 Flat plain		N		50	including	Dry	None		Sandy	Dark brown	Absence of small roots	Grid Sample	
400	D021	APD	2008/8/6	8705993	2540005	1209 Gentle Slope		N		50	including	Dry	None		Sandy	Dark brown	Absence of small roots	Grid Sample	
401	D022	APD	2008/8/7	8703937	2497118	1187 Gentle Slope		N		15	including	Dry	None		Sandy	Dark brown	Southern edge of stream flood plain	Grid Sample	
402	D023	APD	2008/8/7	8706044	2461225	1191 Gentle Slope		N		10	including	Dry	None		Sandy	Red brown	Absence of small roots	Grid Sample	
403	D024	APD	2008/8/7	8702033	2460050	1195 Gentle Slope		N		15	including	Dry	None		Sandy	Dark brown	Sample taken from wooded area	Grid Sample	
404	D025	APD	2008/8/7	8703983	2461617	1185 Gentle Slope		N		10	including	Dry	None		Sandy	Yellowish brown	Sample taken from wooded area	Grid Sample	
405	D026	APD	2008/8/8	8697992	2500011	1206 Gentle Slope		N		20	including	Dry	None		Sandy	Dark brown	Absence of roots	Grid Sample	
406	D027	APD	2008/8/8	8697992	2500011	1206 Gentle Slope		N		50	including	Dry	None		Sandy	Yellow	A slopy area consisting of masuku trees	Grid Sample	
407	D028	APD	2008/8/8	8697992	2500011	1206 Gentle Slope		N		20	including	Dry	None		Sandy	Dark brown	Area consists of grey-brown sandy soil	Grid Sample	
408	D029	APD	2008/8/11	8700050	2582499	1226 Slope		N		20	including	Dry	None		Sandy	Dark brown	Sample taken on the edge of the forest	Grid Sample	
409	D030	APD	2008/8/11	8700050	2582499	1226 Slope		N		50	including	Dry	None		Sandy	Light brown	Sample has a sandy texture	Grid Sample	
410	D031	APD	2008/8/11	8697947	2577333	1210 Slope		N		50	including	Dry	None		Sandy	Dark brown	Sample is devoid of any gravel	Grid Sample	
411	D032	APD	2008/8/11	8695912	2580038	1209 Gentle Slope		N		20	including	Dry	None		Sandy	Red brown	Forest area with trees up to 5 metres	Grid Sample	
412	D033	APD	2008/8/11	8694131	2580020	1194 Gentle Slope		N		50	including	Dry	None		Sandy	Red brown	Sparse wooded forest area	Grid Sample	
413	D034	APD	2008/8/12	8698983	2501500	1202 Gentle Slope		N		50	including	Dry	None		Sandy	Grey	Absence of roots at sampling depth	Grid Sample	
414	D035	APD	2008/8/12	8698000	2498522	1213 Gentle Slope		N		20	including	Dry	None		Sandy	Grey	Absence of roots at sampling depth	Grid Sample	
415	D036	APD	2008/8/12	8698002	2500084	1204 Gentle Slope		N		50	including	Dry	None		Sandy	Red brown	Absence of roots at sampling depth	Grid Sample	
416	D037	APD	2008/8/12	8693998	2500028	1210 Gentle Slope		N		50	including	Dry	None		Sandy	Light brown	Vegetation is sparse	Grid Sample	
417	D038	APD	2008/8/12	8682191	2498977	1194 Gentle Slope		N		50	including	Dry	None		Sandy	Grey	Absence of roots at sampling depth	Grid Sample	
418	C140	FC	2008/10/3	8722011	2699111	1170 Gentle Slope		N		20	including	Dry	None		Sandy	Creamy white	Absence of roots at sampling depth	Duplicate of Grid Sample	
419	C141	FC	2008/10/3	8720012	2700015	1169 Flat plain		N		10	including	Dry	None		Sandy	Creamy white	Presence of roots at sampling depth	Duplicate of Grid Sample	
420	C142	FC	2008/10/3	8718010	2700016	1178 Flat plain		N		20	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Duplicate of Grid Sample	
421	B033	NT	2008/8/14	8696800	263474	1192 Flat plain		N		310	including	Humid	None		Sandy	Dark brown	Kopa pit depth 310cm weathered siltstone?	Pit Sample	
422	B034	NT	2008/8/14	8696800	263474	1192 Flat plain		N		270	including	Humid	Abundant		Sandy	Orange	Kopa pit depth 270cm gravel	Pit Sample	
423	B035	NT	2008/8/14	8696800	263474	1192 Flat plain		N		230	including	Humid	Abundant		Sandy	Orange	Kopa pit depth 230cm gravel	Pit Sample	
424	B036	NT	2008/8/14	8696800	263474	1192 Flat plain		N		190	including	Humid	Few		Sandy	Orange	Kopa pit depth 190cm gravel	Pit Sample	
425	B037	NT	2008/8/14	8696800	263474	1192 Flat plain		N		140	including	Humid	None		Sandy	Orange	Kopa pit depth 140cm sand	Pit Sample	
426	B038	NT	2008/8/14	8696800	263474	1192 Flat plain		N		80	including	Humid	None		Sandy	Orange	Kopa pit depth 80cm sand	Pit Sample	
427	B039	NT	2008/8/14	8696800	263474	1192 Flat plain		N		30	including	Humid	None		Sandy	Orange	Kopa pit depth 30cm sand	Pit Sample	
428	B040	NT	2008/8/14	8696800	263474	1192 Flat plain		N		5	including	Humid	None		Sandy	Orange	Kopa pit depth 5m A-horizon	Pit Sample	
429	B041	NT	2008/8/15	8712560	2803559	1307 Flat plain		B		360	including	Humid	None		Sandy	Orange	Nyake pit depth 360cm	Pit Sample	
430	B042	NT	2008/8/15	8712560	2803559	1307 Flat plain		N		300	including	Humid	None		Sandy	Orange	Nyake pit depth 300cm	Pit Sample	
431	B043	NT	2008/8/15	8712560	2803559	1307 Flat plain		N		200	including	Humid	None		Sandy	Orange	Nyake pit depth 200cm	Pit Sample	
432	B044	NT	2008/8/15	8712560	2803559	1307 Flat plain		N		100	including	Humid	None		Sandy	Yellow	Nyake pit depth 100cm	Pit Sample	

# Appendix V-16 List of Collected Soil Samples 7/8

ser	ID	Sampler	Date	Coordinate (Arc 1950)		Landform	Flat	Geology Type (O/F/B/N)	Geology Remark	Organic rich layer thickness(cm)	Sampling depth(cm)	Organic contents	Ground condition	Gravel	Variety of rock chip	Viscosity	Color	Remark	Sample type
				Northing	Easting														
433	B045	NT	2008/8/15	8712560	280359	1307	Flat plain	N		50		Dry	None		Sandy	Yellow	Nieke pit depth 50cm	Pit Sample	
434	B046	NT	2008/8/15	8712560	280359	1307	Flat plain	N		50	including	Dry	None		Sandy	Black	Nieke pit depth 10cm	Pit Sample	
435	B056	NT	2008/8/20	8741614	283166	1271	Gentle Slope	N		250		Dry	Abundant	Quartzite	Sandy	Black	Chalabesa pit depth 250cm	Pit Sample	
436	B059	NT	2008/8/20	8741614	283166	1271	Gentle Slope	N		200		Dry	None		Sandy	Orange	Chalabesa pit depth 200cm	Pit Sample	
437	B060	NT	2008/8/20	8741614	283166	1271	Gentle Slope	N		150		Dry	None		Sandy	Red brown	Chalabesa pit depth 150cm	Pit Sample	
438	B061	NT	2008/8/20	8741614	283166	1271	Gentle Slope	N		100		Dry	None		Sandy	Red brown	Chalabesa pit depth 100cm	Pit Sample	
439	B062	NT	2008/8/20	8741614	283166	1271	Gentle Slope	N		50	including	Dry	None		Sandy	Red brown	Chalabesa pit depth 50cm	Pit Sample	
440	B063	NT	2008/8/20	8741614	283166	1271	Gentle Slope	N		20	including	Dry	None		Sandy	Dark brown	Chalabesa pit depth 20cm	Pit Sample	
441	AH01	AT	2008/9/16	8823396	236856	1249	Flat plain	N	15	35		Dry	None		Sandy	Orange		Line Sample	
442	AH02	AT	2008/9/16	8823396	236856	1249	Flat plain	N	5	50		Dry	None		Sandy	Yellow		Line Sample	
443	AH03	AT	2008/9/16	8823396	236856	1249	Gentle Slope	N	10	50		Dry	None		Sandy	Dark brown		Line Sample	
444	AH04	AT	2008/9/16	8823396	236856	1249	Flat plain	N	10	50		Dry	None		Sandy	Dark brown		Line Sample	
445	AH05	AT	2008/9/16	8823396	236856	1249	Flat plain	N	15	50		Dry	None		Sandy	Dark brown		Line Sample	
446	AH06	AT	2008/9/16	8823396	236856	1249	Flat plain	N	10	50		Dry	None		Sandy	Dark brown		Line Sample	
447	AH07	AT	2008/9/16	8823396	236856	1249	Flat plain	N	10	50		Dry	None		Sandy	Dark brown		Line Sample	
448	AH08	AT	2008/9/16	8823396	236856	1249	Flat plain	N	10	50		Dry	None		Sandy	Red brown		Line Sample	
449	AH09	AT	2008/9/16	8823396	236856	1249	Flat plain	N	5	50		Dry	None		Sandy	Red brown		Line Sample	
450	AH10	AT	2008/9/16	8823396	236856	1249	Flat plain	N	5	50		Dry	None		Sandy	Red brown		Line Sample	
451	AH11	AT	2008/9/16	8823396	236856	1249	Flat plain	N	10	50		Dry	None		Sandy	Red brown		Line Sample	
452	AH12	AT	2008/9/16	8823396	236856	1249	Flat plain	N	10	50		Dry	None		Sandy	Red brown		Line Sample	
453	AH13	AT	2008/9/16	8823396	236856	1249	Flat plain	N	10	50		Dry	None		Sandy	Orange		Line Sample	
454	AH14	AT	2008/9/16	8823396	236856	1249	Flat plain	N	10	50		Dry	None		Sandy	Yellow		Line Sample	
455	AH15	AT	2008/9/16	8823396	236856	1249	Flat plain	N	15	50		Dry	None		Sandy	Yellow		Line Sample	
456	AH16	AT	2008/9/16	8823396	236856	1249	Flat plain	N	10	50		Dry	None		Sandy	Yellow	Weak consolidated	Line Sample	
457	AH17	NT	2008/9/19	8823396	236856	1249	Gentle Slope	N	45	65	including	Dry	None		Sandy	Yellow	Near Alluvial Ants nests	Line Sample	
458	AH18	NT	2008/9/19	8823396	236856	1249	Flat plain	N	20	60		Dry	None		Sandy	Yellow	Burned forest	Line Sample	
459	AH19	NT	2008/9/19	8823396	236856	1249	Flat plain	N	15	55		Dry	None		Sandy	Orange	Burned forest. Sand contains K-f	Line Sample	
460	AH20	NT	2008/9/19	8823396	236856	1249	Flat plain	N	15	55		Dry	None		Sandy	Orange		Line Sample	
461	AH21	NT	2008/9/19	8823396	236856	1249	Flat plain	N	15	55		Dry	None		Sandy	Orange		Line Sample	
462	AH22	NT	2008/9/19	8823396	236856	1249	Flat plain	N	15	55		Dry	None		Sandy	Orange		Line Sample	
463	AH23	NT	2008/9/19	8823396	236856	1249	Flat plain	N	20	60		Dry	None		Sandy	Red brown		Line Sample	
464	AH24	NT	2008/9/19	8823396	236856	1249	Flat plain	N	30	60		Dry	None		Sandy	Dark brown	Highest airborne mag	Line Sample	
465	AH25	NT	2008/9/19	8823396	236856	1249	Flat plain	N	40	60		Dry	None		Sandy	Dark brown		Line Sample	
466	AH26	NT	2008/9/19	8823396	236856	1249	Flat plain	N	30	60		Dry	None		Sandy	Dark brown		Line Sample	
467	AH27	NT	2008/9/19	8823396	236856	1249	Flat plain	N	25	55		Dry	None		Sandy	Red brown		Line Sample	
468	AH28	NT	2008/9/19	8823396	236856	1249	Flat plain	N	20	50		Dry	None		Sandy	Orange		Line Sample	
469	AH29	NT	2008/9/19	8823396	236856	1249	Flat plain	N	15	55		Dry	None		Sandy	Orange		Line Sample	
470	AH30	NT	2008/9/19	8823396	236856	1249	Flat plain	N	15	55		Dry	None		Sandy	Yellow		Line Sample	
471	BH01	FC	2008/9/17	8833950	251469	1224	Flat plain	N	15	50	including	Dry	None		Sandy	Yellow	Presence of roots at sampling depth	Line Sample	
472	BH02	FC	2008/9/17	8833950	251469	1224	Flat plain	N	20	50	including	Dry	None		Sandy	Red brown	Presence of roots at sampling depth	Line Sample	
473	BH03	FC	2008/9/17	8833950	251469	1224	Gentle Slope	N	25	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
474	BH04	FC	2008/9/17	8833950	251469	1224	Flat plain	N	20	50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Line Sample	
475	BH05	FC	2008/9/17	8833950	251469	1224	Flat plain	N	15	50	including	Dry	None		Sandy	Orange	Presence of roots at sampling depth	Line Sample	
476	BH06	FC	2008/9/17	8833950	251469	1224	Flat plain	N	15	50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Line Sample	
477	BH07	FC	2008/9/17	8833950	251469	1224	Flat plain	N	20	50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Line Sample	
478	BH08	FC	2008/9/17	8833950	251469	1224	Flat plain	N	20	50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Line Sample	
479	BH09	FC	2008/9/17	8833950	251469	1224	Flat plain	N	20	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
480	BH10	FC	2008/9/17	8833950	251469	1224	Flat plain	N	20	50	including	Dry	None		Sandy	Red brown	Presence of roots at sampling depth	Line Sample	
481	BH11	FC	2008/9/17	8833950	251469	1224	Flat plain	N	20	50	including	Dry	None		Sandy	Red brown	Presence of roots at sampling depth	Line Sample	
482	BH12	FC	2008/9/17	8833950	251469	1224	Flat plain	N	20	50	including	Dry	None		Sandy	Red brown	Presence of roots at sampling depth	Line Sample	
483	BH13	FC	2008/9/17	8833950	251469	1224	Flat plain	N	20	50	including	Dry	None		Sandy	Greyish brown	Presence of roots at sampling depth	Line Sample	
484	BH14	FC	2008/9/17	8833950	251469	1224	Flat plain	N	20	50	including	Dry	None		Sandy	Greyish brown	Presence of roots at sampling depth	Line Sample	
485	BH15	FC	2008/9/17	8833950	251469	1224	Flat plain	N	10	50	including	Dry	None		Sandy	Greyish brown	Presence of roots at sampling depth	Line Sample	
486	BH16	FC	2008/9/17	8833950	251469	1224	Flat plain	N	40	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
487	BH17	FC	2008/9/17	8833950	251469	1224	Gentle Slope	N	20	50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Line Sample	
488	BH18	FC	2008/9/17	8833950	251469	1224	Gentle Slope	N	20	50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Line Sample	
489	BH19	FC	2008/9/17	8833950	251469	1224	Gentle Slope	N	20	50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Line Sample	
490	BH20	FC	2008/9/17	8833950	251469	1224	Flat plain	N	20	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
491	BH21	FC	2008/9/17	8833950	251469	1224	Flat plain	N	10	50	including	Dry	None		Sandy	Yellow	Point moved 190m westwards	Line Sample	
492	BH22	FC	2008/9/17	8833950	251469	1224	Flat plain	N	10	50	including	Dry	None		Sandy	Creamy white	Presence of small roots in the pit	Line Sample	
493	BH23	FC	2008/9/17	8833950	251469	1224	Flat plain	N	10	50	including	Dry	None		Sandy	Orange	Presence of small roots in the pit	Line Sample	
494	BH24	FC	2008/9/17	8833950	251469	1224	Flat plain	N	20	50	including	Dry	None		Sandy	Light brown	Presence of small roots in the pit	Line Sample	
495	BH25	FC	2008/9/17	8833950	251469	1224	Flat plain	N	20	50	including	Dry	None		Sandy	Light brown	Presence of small roots in the pit	Line Sample	
496	BH26	FC	2008/9/17	8833950	251469	1224	Flat plain	N	20	50	including	Dry	None		Sandy	Light brown	Presence of small roots in the pit	Line Sample	
497	BH27	FC	2008/9/17	8833950	251469	1224	Flat plain	N	20	50	including	Dry	None		Sandy	Light brown	Presence of small roots in the pit	Line Sample	
498	BH28	FC	2008/9/17	8833950	251469	1224	Flat plain	N	20	50	including	Dry	None		Sandy	Light brown	Presence of small roots in the pit	Line Sample	
499	CH01	EC	2008/9/15	8833950	251469	1224	Flat plain	N	10	50	including	Dry	None		Sandy	Orange	Presence of roots at sampling depth	Line Sample	
500	CH02	EC	2008/9/15	8833950	251469	1224	Flat plain	N	15	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
501	CH03	EC	2008/9/15	8833950	251469	1224	Flat plain	N	10	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
502	CH04	EC	2008/9/15	8833950	251469	1224	Flat plain	N	15	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
503	CH05	FC	2008/9/15	8833950	251469	1224	Flat plain	N	20	50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Line Sample	
504	CH06	FC	2008/9/15	8833950	251469	1224	Flat plain	N	40	50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Line Sample	

## Appendix V-16 List of Collected Soil Samples 8/8

ser	ID	Sampler	Date	Coordinate (Arc 1950)		Landform	Float	Geology Type (O/F/B/N)	Geology Remark	Organic rich layer thickness(cm)	Sampling depth(cm)	Organic contents including	Ground condition	Gravel	Variety of rock chip	Viscosity	Color	Remark	Sample type
				Northing	Easting														
505	CH07	FC	2008/9/15	8832584	273313	1244	Flat plain	N		50	including	Dry	None		Sandy	Red brown	Presence of roots at sampling depth	Line Sample	
506	CH08	FC	2008/9/15	8831660	272966	1252	Flat plain	N	15	50	including	Dry	None		Sandy	Red brown	Presence of roots at sampling depth	Line Sample	
507	CH09	FC	2008/9/15	8830730	272865	1243	Flat plain	N	20	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
508	CH10	FC	2008/9/15	8829802	272230	1243	Flat plain	N	15	50	including	Dry	None		Sandy	Orange	Presence of roots at sampling depth	Line Sample	
509	CH11	FC	2008/9/15	8828841	271874	1238	Flat plain	N	20	50	including	Dry	None		Sandy	Greyish white	Presence of roots at sampling depth	Line Sample	
510	CH12	FC	2008/9/15	8827896	271472	1250	Flat plain	N	10	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
511	CH13	FC	2008/9/15	8826972	271095	1259	Flat plain	N	20	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
512	CH14	FC	2008/9/15	8826062	270373	1265	Flat plain	N	20	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
513	CH15	FC	2008/9/15	8825128	270556	1259	Flat plain	N	40	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
514	CH16	FC	2008/9/15	8824019	269555	1259	Flat plain	N	20	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
515	CH17	FC	2008/9/15	8824105	269536	1255	Flat plain	N	20	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
516	CH18	FC	2008/9/15	8823500	267917	1247	Flat plain	N	40	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
517	CH19	FC	2008/9/15	8822829	267128	1258	Flat plain	N	10	50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Line Sample	
518	CH20	FC	2008/9/15	8822114	266502	1253	Flat plain	N	40	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
519	CH21	FC	2008/9/15	8821250	265881	1245	Flat plain	N	20	50	including	Dry	None		Sandy	Greyish brown	Presence of roots at sampling depth	Line Sample	
520	CH22	FC	2008/9/15	8820336	265440	1251	Flat plain	N	20	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
521	CH23	FC	2008/9/15	8819394	265030	1240	Flat plain	N	25	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
522	CH24	FC	2008/9/15	8818557	264674	1248	Flat plain	N	10	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
523	CH25	FC	2008/9/15	8817581	264267	1254	Flat plain	N	40	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
524	CH26	FC	2008/9/16	8816737	263855	1251	Flat plain	N	40	50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Line Sample	
525	CH27	FC	2008/9/16	8816274	263652	1249	Flat plain	N	15	50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Line Sample	
526	CH28	FC	2008/9/16	8815657	263424	1244	Flat plain	N	10	50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Line Sample	
527	CH29	FC	2008/9/16	8815319	263189	1246	Flat plain	N	20	50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Line Sample	
528	CH30	FC	2008/9/16	8814797	263123	1254	Flat plain	N	20	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
529	CH31	FC	2008/9/16	8814400	263124	1243	Flat plain	N	40	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
530	CH32	FC	2008/9/16	8813958	263034	1234	Flat plain	N	10	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
531	CH33	FC	2008/9/16	8813402	262805	1242	Flat plain	N	40	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
532	CH34	FC	2008/9/16	8812924	262619	1240	Flat plain	N	10	50	including	Dry	None		Sandy	Greyish brown	Presence of roots at sampling depth	Line Sample	
533	CH35	FC	2008/9/16	8812463	262362	1229	Flat plain	N	10	50	including	Dry	None		Sandy	Grey	Presence of roots at sampling depth	Line Sample	
534	CH36	FC	2008/9/16	8812001	262103	1239	Flat plain	N	20	50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Line Sample	
535	CH37	FC	2008/9/16	8811674	261781	1239	Flat plain	N	20	50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Line Sample	
536	CH38	FC	2008/9/16	8811276	261501	1246	Flat plain	N	40	50	including	Dry	None		Sandy	Grey	Presence of roots at sampling depth	Line Sample	
537	CH39	FC	2008/9/16	8810669	261149	1238	Flat plain	N	40	50	including	Dry	None		Sandy	Dark brown	Presence of roots at sampling depth	Line Sample	
538	CH40	FC	2008/9/16	8810496	260884	1237	Flat plain	N	20	50	including	Dry	None		Sandy	Light brown	Presence of roots at sampling depth	Line Sample	
539	CH41	FC	2008/9/16	8810128	260441	1226	Flat plain	N	40	50	including	Dry	None		Sandy	Greyish brown	Presence of roots at sampling depth	Line Sample	









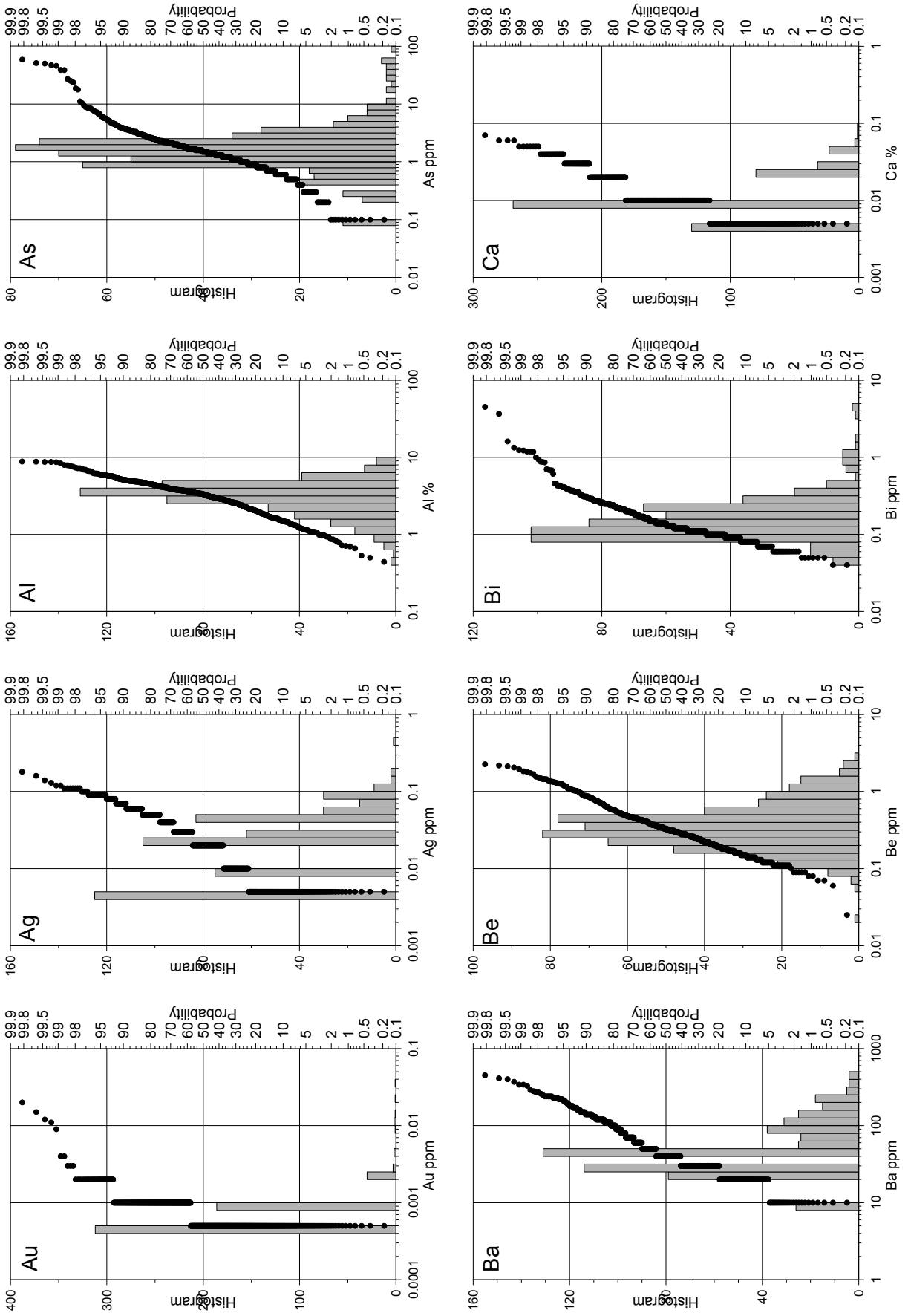




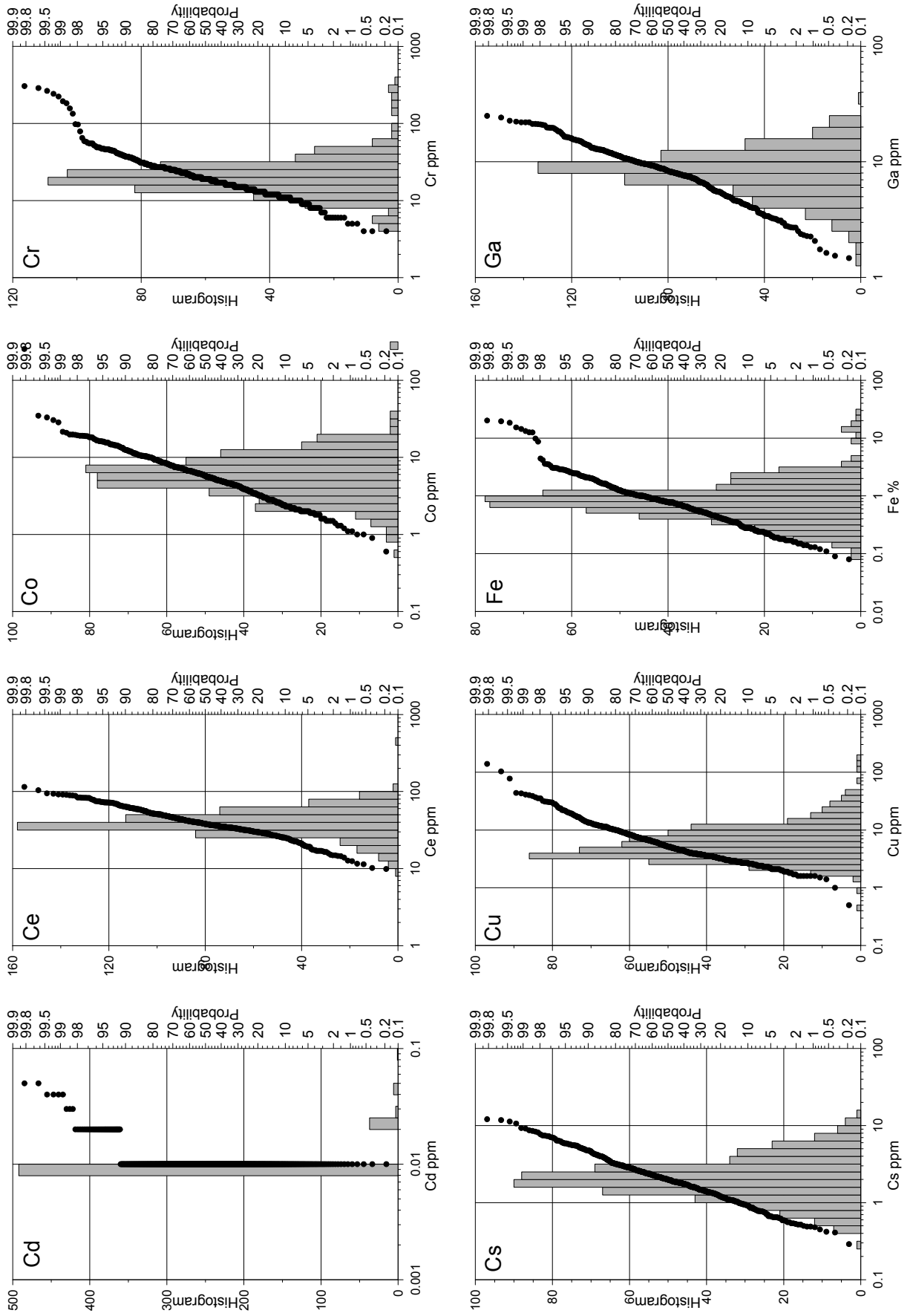




# Appendix V-18 Histogram and Cumulative Frequency of Soil Geochemistry (1)

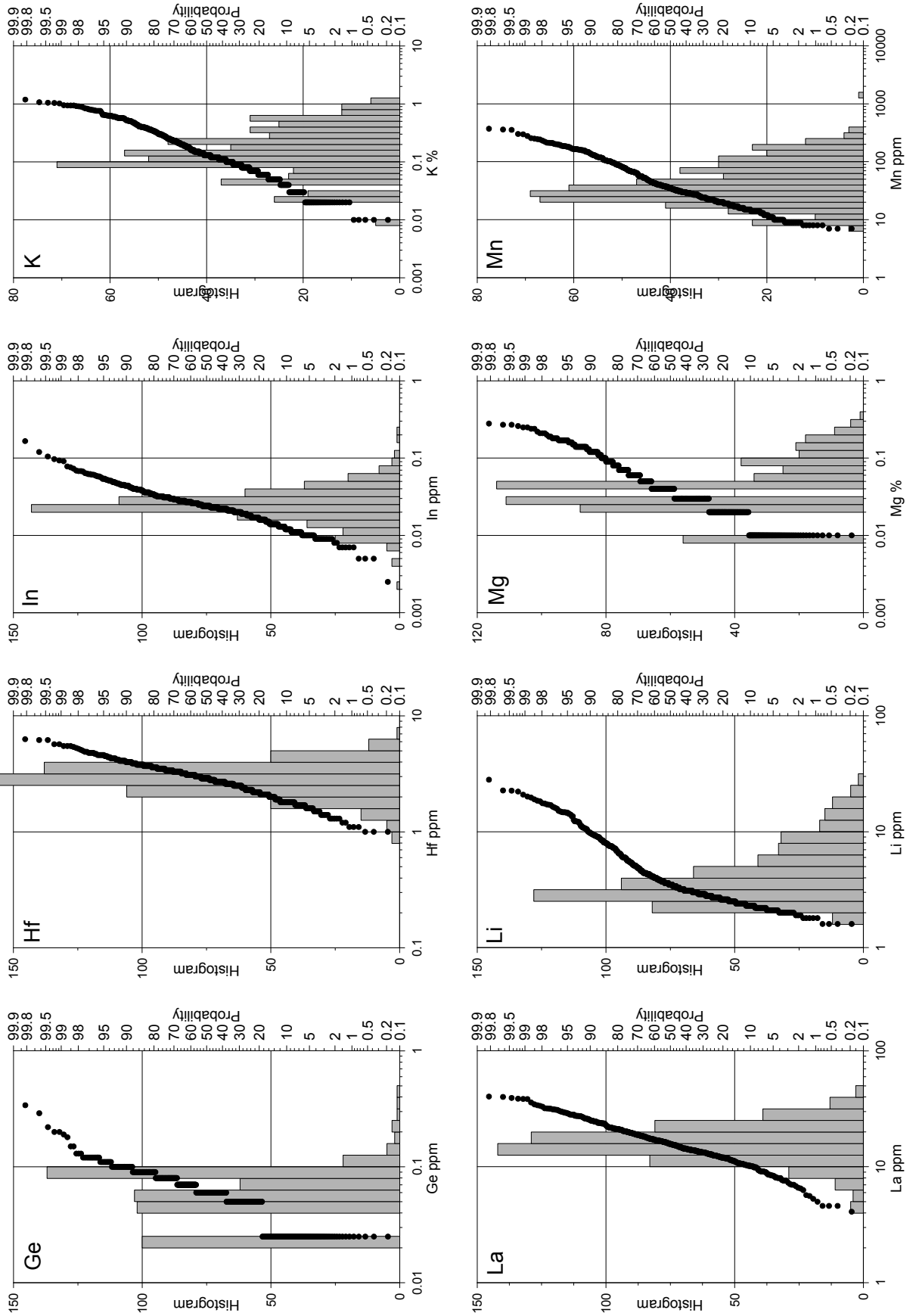


## Appendix V-18 Histogram and Cumulative Frequency of Soil Geochemistry (2)

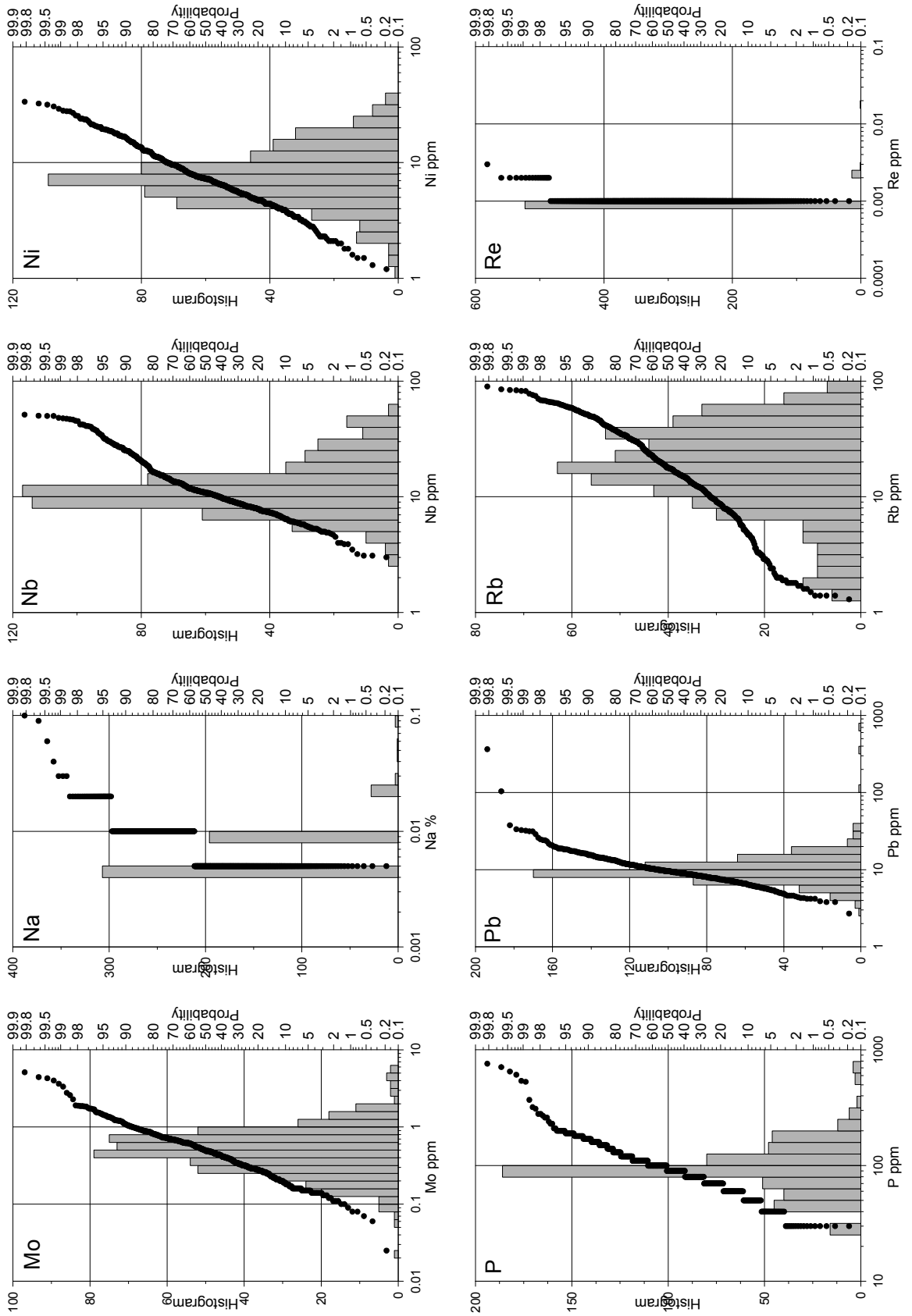




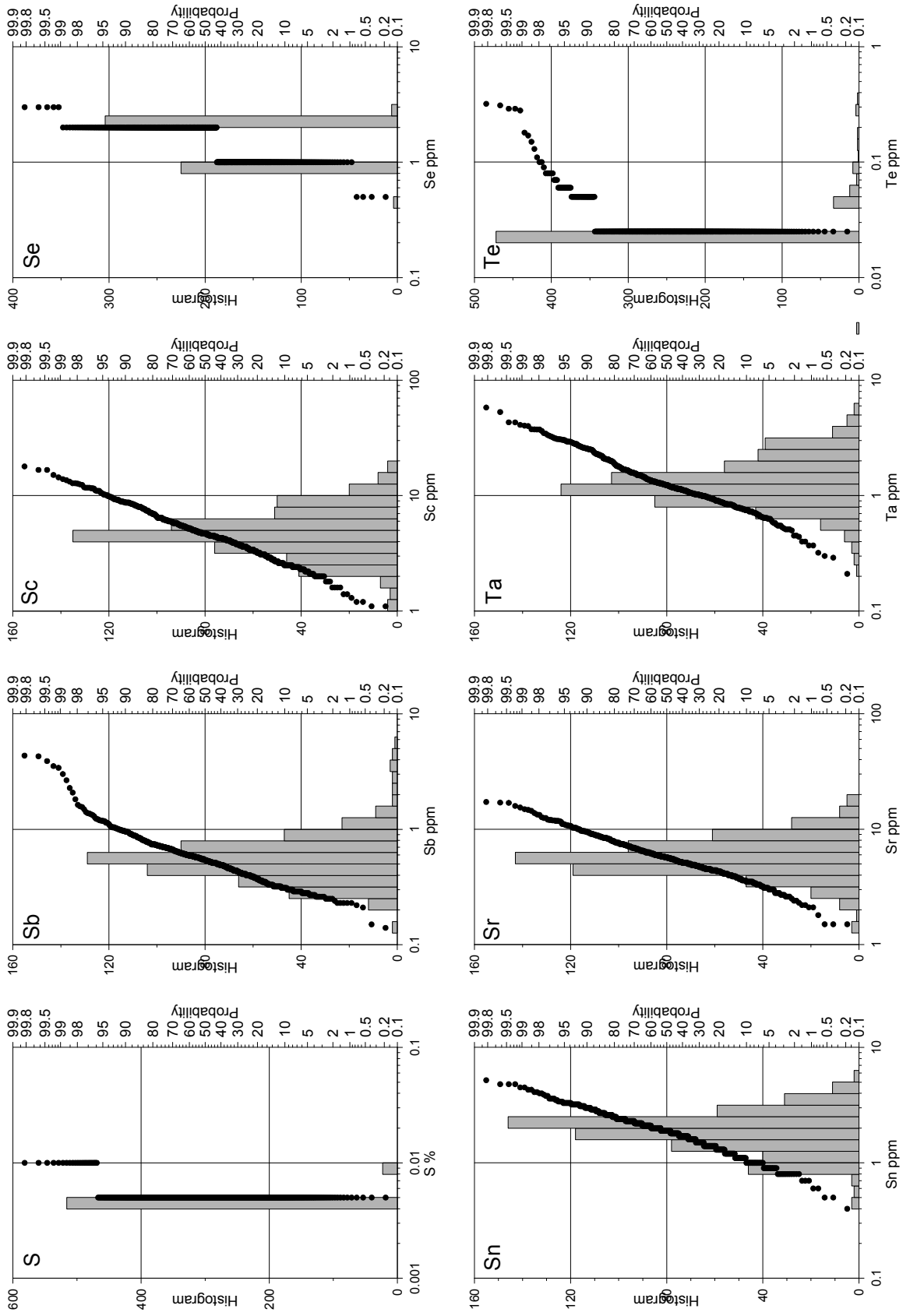
### Appendix V-18 Histogram and Cumulative Frequency of Soil Geochemistry (3)



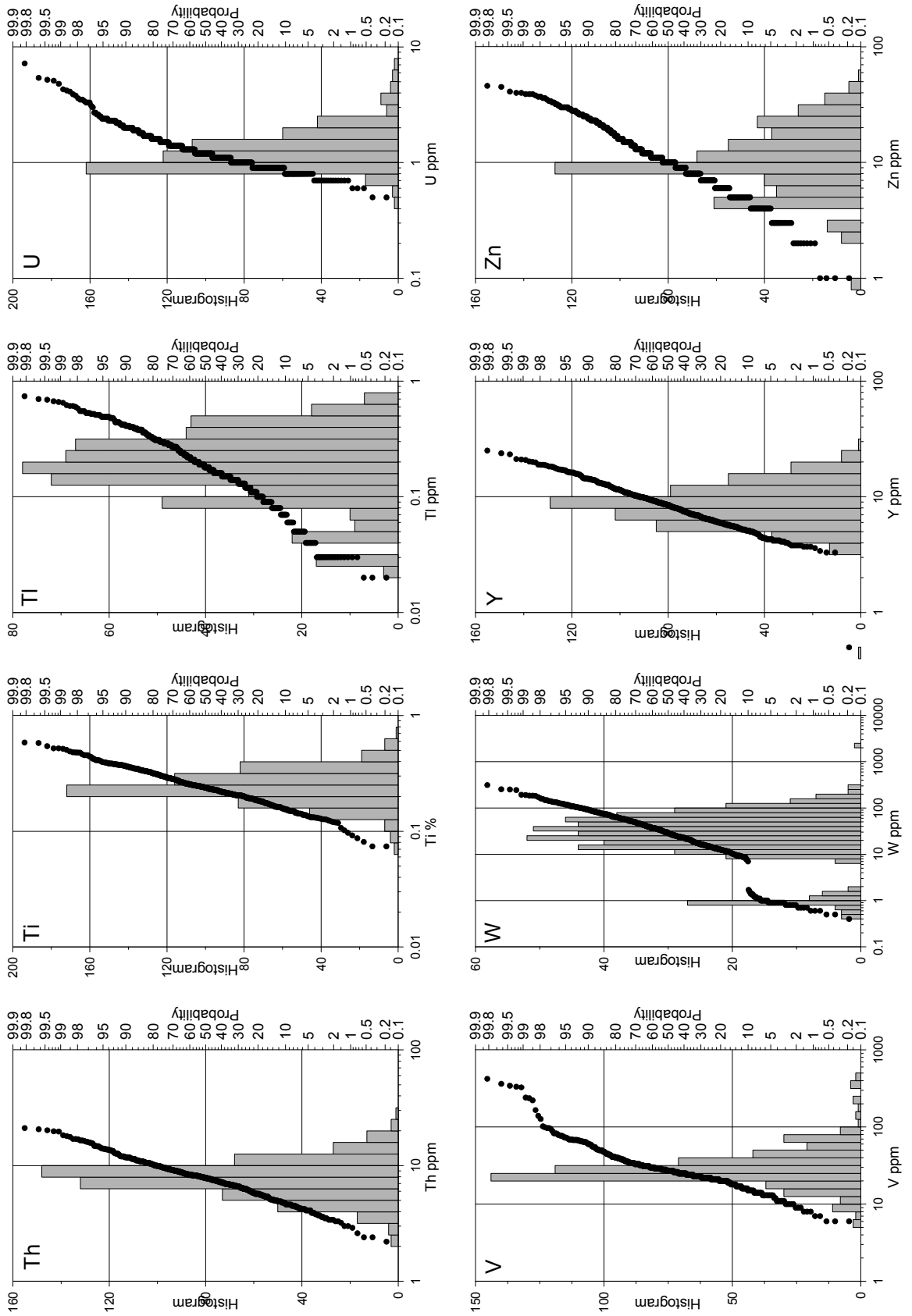
### Appendix V-18 Histogram and Cumulative Frequency of Soil Geochemistry (4)



## Appendix V-18 Histogram and Cumulative Frequency of Soil Geochemistry (5)



## Appendix V-18 Histogram and Cumulative Frequency of Soil Geochemistry 6)



## Appendix V-18 Histogram and Cumulative Frequency of Soil Geochemistry (7)

