

15 June 66

Field Lab THM Cx

EMPRESS

Green → Gru-blue → blue
 → blue-purp → purp → red purp
 → red → pink

013121

Sample #	wet/dry	Sample size	PPM THM Cx	Color	rings of DE	Organic slightly → good
E-120	dry	300 mg	2.0	blue-purp	1	org.
E-118	damp	300 mg	0.7	blue-green	1	sl. org, sandy
E-116	damp	300 mg	0.7	blue-green	1	org. *
E-114	damp-dry	300 mg	0.3	red-purple	2	sl. org. *
E-87	damp	300 mg	1.0	red-pur - purp	2	sl. org, sandy *
E-89	damp	300 mg	0.7	blue-green	1	org. *
E-91	damp	300 mg	0.7	blue-green	1	sandy *
E-94	damp	300 mg	4.0	pink 1 st blue-purp	2	org. *
E-96	damp	300 mg	3.0 2.1	purple green blue-purp	2	org, sandy.
E-98	damp	300 mg	0.7	blue-green	1	sl. org.
E-99	damp	300 mg	neg	green	1	sandy
E-102	damp	300 mg	0.7	blue-green	1	sl. sandy
E-103	damp	300 mg	0.7	blue-green	1	sl. sandy.
E-105	damp	300 mg	0.7	blue-gr	1	sl. sandy.
E-107	damp	300 mg	neg	green	1	sl org & sand
E-109	damp	300 mg	neg	green	1	sl.org. & sand
E-111	damp	300 mg	0.7	blue-green	1	org.
E-112	damp	300 mg	0.7	blue-green	1	org.
E-51 ✓	damp	300 mg	6.0	red-purp 1 purp 2 gr	3	sl. org. **
E-53 ✓	damp	300 mg	2.0	blue-green blue-purp 1	2	org.
E-55 ✓	damp	300 mg	0.7	blue-green	1	sl. sandy.
E-56 ✓	damp	300 mg	0.7	blue-green	1	sl. org. & sdy.
E-59 ✓	damp	300 mg	2.7 ?	red 1 blue-green	2	sl. org. & sdy.
E-63 ✓	damp	300 mg	0.7	blue-green purp. 1	1	sl. sandy
E-65 ✓	damp	300 mg	3.0	green	2	org. *
E-67 ✓	damp	300 mg	0.7	blue-green pink 1	1	sl. org.
E-69 ✓	damp	300 mg	3.5 ?	blue-green	2	org & sl. sdy.

15 June 68

page 2

Sample #	Wet/dry	Sample Size	PPM THM	Color	rings of DZ	organic slight > good
E 71	damp	300 mg	0.7	blue-gr.	1	sl. org. & sl. sdy *
E 73	damp	300 mg	0.7	blue gr purp-red	1	sl. org.
✓ E 77	damp	300 mg	1.7	blue-gr	2	org.
E 79	damp	300 mg	—	neutral dark purp	1	sl. org. & sl. sdy
E 81	damp	300 mg	3.0	blue gr	2	org. good-sl. sdy
E 83	dry	300 mg	0.7	blue gr	1	org.

14 June 66

Field Lab THM Cx

Green - Grn - Blue - Blue
 Blue - ps
 Red - Pink
 Red - Purple - Red Purple

Sample #	Wet/damp/dry	Sample Size	Sample Condition organic - sl. organic clay - silt - sandy	range of DZ	Color	PPM
						THM Cx
E 192	Wet	300 mg	sandy	1	Blue	1.3
E 190	DAMP	"	SANDY	1	green-blue	0.1
E 184	WET	"	organic-clay.	1	green	0
E 182	Wet	"	" SAND	1		
E 180	Wet	"	slight grey silt	1	red-purple	3.0
E 178	damp	"	slight grey sand	1	blue	1.3
E 176	damp	"	silt-sand	1	blue	1.3
E 173	damp	"	clay silt	1	green	0
E 172	damp	"	orgy-silt	1	blue	1.3
E 170	damp	"	orgy-silt	1	brown	-
E 168	dry	"	organi clay	1	green	0
E 167	damp	"	"	1	green	0
E 165	"	"	"	1	brown.	-
E 162	wet	"	organic clay.	1	green	0

27 June 66

Field Lab THM Cx

①

Green-Green-Blue-blue
bl purp - purp - red purp
red - pink

EMPRESS

Sample #	wet/damp/dry	Sample size (mg)	Sample Condition organic-sl. organic clay-silt-sandy	rings of D Z	Color	PPM THM Cx
E 225	damp	300 mg	sl. organic	1	blue-purple	
E 227	dry	300 mg	clay-silt	1	purple	
				2	blue-green	
E 229	damp	300 mg	fine-silt	1	blue-purple	
				—		
E 231	sl. damp	300 mg	sl. org. & sand.	1	green	
				—		
E 233	dry	300 mg.	sl. org. & silt	1	purple	
				2	green	
E 235	sl. damp.	300 mg	sandy - sl. organic	1	green	
				—		
E 236	damp.	300 mg.	sl. organic fine silt	1	purple	
				2	green.	
E 238	dry	300 mg.	organic coarse	1	green	
				—		
E 239	damp	300 mg	sl. org.	1	purple	
				2	green	
E 240	sl. damp	300 mg.	sl. organic/sandy	1	green	
				—		
E 241	sl. damp.	300 mg	sl. org. /sandy	1	red-purple	
				2	blue-purple	
				3	blue-green	
E 244	damp	300 mg.	sandy	1	green	
				—		
E 249	dry	300 mg	organic	1	green	
				—		
E 250	dry	300 mg	silt	1	purple	
				2	blue-green	
E 251	dry	300 mg	sl. sand	1	green	
				—		

Sample #	Wet/damp/dry	Sample size	Sample condition	rings	color	PPM.
E 252	sl. damp	300 mg.	sl. org. & sandy.	1 —	green	
E 253	sl. damp	300 mg.	sl. org. & sandy	1 —	blue-green	
E 254	sl. damp.	300 mg.	sandy & sl. org.	1 —	green.	
E 255	dry	300 mg.	sandy	1 —	blue-green.	
E 407	damp	300 mg.	fine - high iron content - rust color	1 —	green.	
E 256	damp	300 mg.	organic	1 —	blue-green	
E 257	damp	300 mg.	coarse sandy	1 —	green	
E 258	damp.	300 mg.	sl. organic	1 —	blue-green.	
E 259	wet	300 mg.	(soil sample) sl. org. & sandy	1 —	green	
E 260	wet	300 mg.	coarse sandy	1 —	blue-green	
E 261	wet	300 mg.	sl. organic	1 2.	blue-purple green.	
E 263	wet	300 mg.	sl. organic	1 2 3	red purple blue blue-green	
E 265	wet	300 mg.	(soil sample) sl. org. & sandy.	1	green.	

(3)

Sample #	Wet/damp/dry	Sample size	Sample condition	tings	color	PPM.
E 266 soil	damp	300 mg.	sl. org. & sandy	1 —	green	
E 267	damp	300 mg.	coarse sandy	1 —	green	
E 268	damp	300 mg.	Very coarse sand	1 —	green	
E 140 ✓	dry	300 mg.	organic	1 2	blue-purple blue-green.	} 2.7
E 142 ✓	damp	300 mg.	organic	1 —	blue-green.	
E 144 ✓	sl. damp.	300 mg.	sl. org. & sandy	1 —	green.	0
E 146 ✓	damp.	300 mg.	sl. org. fine silt.	1	green.	0
E 148 ✓	dry	300 mg.	sl. organic (fine)	1 —	green	0
E 147 ✓	dry	300 mg.	fine silt.	1	blue-green	0.7
E 149 ✓	dry	300 mg.	sandy & sl. org.	1 —	blue-green	0.7
E 151 ✓	damp	300 mg.	organic	1 2 3 4 5 6 7	red purple purple. purple. blue-purple blue blue-green blue-green*	} 6.7

(4)

Sample #	Wet/damp/dry	Sample size	Sample condition	# of rings	Color	PPM
E 152	damp	300 mg.	organic	1	red-purple.	} 2.0
				2	blue-purple.	
				3	blue-green	
E 154	dry	300 mg.	coarse sand.	1	blue-green.	0.1
E 156	damp	300 mg.	sandy	1	blue-green.	0.1
E 158	damp	300 mg.	sandy	1	red-purple.	} 2.0
				2	blue* - green	
E 160	damp	300 mg.	slight organic - fine silt	1	blue-green	0.1
E 161	damp	300 mg.	organic	1	green.	0
E 162	damp	300 mg.	sl. org. vol. ash.	1	green.	0
E 196	damp.	300 mg.	sl. org.	1	blue.	1.3
E 194	dry	300 mg.	sl. org.	1	green.	0
E 198	damp	300 mg.	sl. organic	1	blue-green.	0.1
E 200	damp	300 mg.	fine silt	1	blue-green	0.1

(5)

Sample No.	Wet Damp/dry	Sample Size	Sample Conditions	Number of DE rings.	Color	THM Cr P.P.M.
E 201	damp	300 mg.	sl. organic	1	blue-green	0.1
E 202	dry	300 mg.	fine clay.	1	purple.	} 2.0
				2	blue-green	
E 204	dry	300 mg.	sl. organic	1	red.	} 9.6
				2	red. purple	
				3	purple.	
				4	blue-purple*	
				5	"	
				6	blue* - purple	
				7	blue.	
E 206	dry	300 mg.	sl. org. vol. clay	1	green.	0
E 208	dry	300 mg.	vol. clay.	1	blue-purple.	} 2.0
				2	blue-green*	
E 209	dry	300 mg.	org. vol. clay.	1	green	0
E 211	dry*	300 mg.	sl. org. vol. clay	1	blue	} 1.3
				2	gray-blue	
E 213	dry	300mg	sl. org vol. clay	1	blue	0.1 0.1
E 214	dry	300mg	sl. org vol. clay	1	blue green	0.1
E 216	dry	300mg	org clay	1	blue purp.	} 2.0
				2	green	

(6)

sample #	dry/wet	sample size	sample condition	ring(s) of 1/2	color	THM or ppm
E218	dry	300mg	org clay	1	blue purp	} 2.0
				2	green	
E220	dry	300mg	sl. clay	1	blue purp	} 2.0
				2	blue green	
				1		
E222	dry	300mg	org clay	1	pink	} 4.0
				2	blue purp	
				3	blue	
				4	blue green	
E224	dry	300mg	org clay	1	red purp	} 2.1
				2	blue	
				3	blue-green	
E242	damp	300mg	sandy	1	blue-green	} 0.1
				2	green	
E243	dry	300mg	org clay, sandy	1	blue-green	} 0.1
				2	green	
E245	dry	300mg	org clay	1	red purp	} 4.0
				2	blue purp	
				3	blue green	
				4	blue green	
246	dry	300mg	org clay	1	blue purp	} 2.0
				2	blue green	
247	dry	300mg	sandy clay	1	blue purp	} 2.0
				2	blue green	
248	damp	300mg	org silt	1	blue purp	} 2.0
				2	blue green	

(7)

sample #	dry/wet	sample size	sample cond	rings of DZ	Color	THM Cr DEM
E410	damp	300mg	org sand	1 2	blue green green	
E411	dry	300mg	sl. org silt	1	green	
E456	damp	300mg	sand	1 2	blue gr. green	
E457	damp	300mg	sand	1	blue green	
E458	dry	300mg	fine sand, silt	1 2	blue blue grn	
E481	damp	300mg	clay	1 2 3	blue purp blue blue green	
E482	damp	300mg	sand	1	green	
E483	damp	300mg	sand	1 2	blue green green	
E484	damp	300mg	org clay	1 2 3 4	red blue purp blue blue grn	
E440	dry	300mg	sl. sandy, org	1 2	blue purp blue grn	

(8)

Sample #	dry/wet	sample size	sample condition	ring of O ₂	color	THM Cl PAM
E461	dry	300mg	org clay	1	red-pink	
				2	red-purp	
				3	blue-purp	
				4	bluegrn(+)	
				5	bluegrn(-)	
E462	damp	300mg	sandy org. clay	1	blue green	
E463	dry	300mg	org. soil	1	blue-green	
				2	green	
E464	dry	300mg	org. sand	1	blue(-)	
				2	bluegrn(-)	
E465	dry	300mg	org. clay	1	green	
E466	damp	300mg	sandy	1	green	
E467	damp	300mg	sandy silt	1	green(+)	
				—	—	
E468	dry	300mg	sandy soil	1	green	
E471	damp	300mg	sand	1	bluegrn	
E459	damp	300mg	org clay	1	blue purp	
				2	blue	
				2 1/2	blue grn	
E486	dry	300mg	org sandy soil	1	blue grn	

July 13, 1966.

THM 1.

TH on individual sheets

on map.

Geochem samples.

No. Rings.

Colour of 1st Ring.

Map sheet.

Geochem samples.	No. Rings.	Colour of 1st Ring.	Map sheet.
EM 330	9.	Passionate Pink.	} 14E Photo centre 201.
EM 324	4.	Pink.	
EM 1121	7	Red.	8W Photo 129.
1173	4	red.	} 10W
1177	8	Pink.	
1178	5	Pink-red.	
1186	5	Pink.	10E
1180	5	Pink	10W.
EM 1191 ?	3	Red Pink.	10E.
EM 1274	4	red Pink.	} 10W 436.
1275	5	Pink	
1278	7	Passionate Pink.	
1280	4	Pink-red.	
1291	8	Red.	} 11E Photo 435
1292.	5	Red - pink	
EM 1418	3	Pink	15W
1420	4	Pink.	15W.
EM 1500	4	Red	12E
1502	5	red	} 12E Poplar lake.
1504	8	red.	
1512	3	Pink (??)	} 10W
1514	7	Strong red	
1518	7	red.	
1520	6	Pink-red	
1524	4	"	11E
EM 664 ?	3	Red pink	15W + 15E Nisling Buch
EM 801	5	red purple.	15W
824	3	Pink	10E
825	3	Pink	10E
833	5	Pink	10E
837	7	Pink	10E
838 ?	3	Pink	
826 ?	3	Pink	10E
835 ?	3	Pink	10E
EM 1444	4	Purple pink	9E
343 ?	3	Pink	
1046 ?	3	Pink purple.	10W
1067	3	Pink	9W
1462	3	Pink - purple.	15E near Right bank.
709	4	pink	15E
713	3	pink - purple.	16E
717 ?	4	Pink (much organics)	} 14E
720	4	Pink	
724	5	Pink	} 10W
726 ?	3	Pink Purple	
727 ?	3	"	
732	3	"	
734	4	pink	} 9W.
741	5	pink	
745	10 →	Pink.	

Aug 1. 1966

(2)

THM

Geochem Sample.	No. Rings.	Colors of 4 th Ring.	Map sheet.
✓ 1454	4	pink purple.	16W. attack.
✓ 1471 ?	3.	"	10W Top.
✓ 1472.	6.	pink.	10W.
✓ 1481	4	pink purple.	10W. Top.
✓ 1483	4	"	9W.
✓ 1486 ?	3	pink purple.	9W.
✓ 851	4	"	} 16W
✓ 852	8	Pink.	
✓ 853	7.	Red Pink	} 9W
✓ 856 ? (orig)	3	pink - purple.	
✓ 927 ? (orig.)	3	purple.	9E.
✓ 1390	6	pink	} 10W.
✓ 1392	4	pink purple.	
✓ 1394 ?	3	pink purple.	
✓ 1396 ?	3	"	
✓ 1397	11	Pink.	} 10W
✓ 1506	4	Purple red.	
✓ 1587	3	Pink red	} 7W.
✓ 1588	3	red	
✓ 1589	3	red.	
✓ 1036 ?	3	red purple.	12E.
✓ 1348 (orig)	6	red.	14E
✓ 1364	4	purple red.	13W.
✓ 1349 ? (orig)	3	red.	14E.
✓ 1341 ? (orig)	3	red purple.	} 11E
✓ 1338 ?	3	"	
✓ 864 (volcan)	5	red	7E Bottom of Long lake.
✓ 1631	7	red.	9E Mack's Cu.
✓ 1633	10	pink - red.	"
✓ 957	3	pink.	"
✓ 968	4	purple.	9E Mack's Cu.
✓ 1612 ?? (orig.) ^{wet}	3	Red	9E Mack's Cu.
890 ?? (orig.) ^{wet}	3	pink - purple.	} 9E Mack's Cu.
884 ?	3	purple.	
886 ? (orig.)	3	purple.	
? { 761	3	purple	} 10E
? { 762	3	"	
? { 763	3	"	
? { 1085	3	"	
? { 1089	3	"	
? { 1901 ? (orig.)	3	purple.	10E

1

GEO CHEL

JULY 5/66.

SAMPLE NO.	SAMPLE SIZE	NET, DAMP, DRY	ORGANIC, SANDY, ETC.	COLOR	# OF RINGS	PPM.
E 529 SOIL (BOSSAN)	300 MG.	DRY	SANDY, SI. ORG.	GREEN.	1	-
E 535 SILT	300 mg	DRY	SANDY	BLUE-GREEN	1	-
E 525 SILT	300 MG	DRY	SANDY	PURPLE GREEN.	1 2	-
E 528 SOIL (BOSSAN)	300 MG	DRY	SANDY	GREEN.	1	-
E 530 SOIL (BOSSAN)	300 MG.	DRY	SLIGHT ORGANIC.	GREEN	1	-
E 531 SOIL (BOSSAN)	300 MG.	DRY	RED COLDR TO SOIL SLIGHTLY SANDY	GREEN	1	-
E 532 SOIL (BOSSAN)	300 MG.	DRY	SI. ORGANIC.	GREEN	1	-
E 527 SOIL (BOSSAN)	300 MG	DRY	SI. CLAY.	GREEN.	1	-
E 533 SOIL (BOSSAN)	300 MG.	DRY	RED CLAY	GREEN	1	-
E 534 SOIL (BOSSAN)	300 MG.	DRY	ORG. CLAY.	GREEN.	1	-
E 548 SOIL	300 MG	DRY	SLIGHT ORGANIC	BLUE-GREEN	1	-
E 593	300 MG.	DRY	ORGANIC CLAY	GREEN	1	-
E 571 SILT	300 MG.	DRY	SANDY	BLUE-GREEN	1	-
E 541 SILT	300 MG.	DRY	ORGANIC.	BLUE-GREEN	1	-

(2)

SAMPLE NO.	SAMPLE SIZE	WET, DAMP, DRY	ORGANIC, SANDY, ETC.	COLOR.	NO. OF RINGS	PPM
E 592 SILT	300 MG.	DRY	SANDY	GREEN	1	-
E 543 SILT	300 MG.	DAMP	SL. ORGANIC SAND	SLIGHT BLUE	1	-
E 545 SILT	300 MG.	DRY	ORGANIC CLAY.	GREEN	1	-
E 546 SILT	300 MG.	DRY	SL. ORG. & SANDY.	GREEN.	1	-
E 542 SOIL	300 MG.	DRY	SL. ORG. & SANDY.	GREEN.	1	-
E 549 SOIL	300 MG.	DRY	SL. ORG. & SL. SAND	GREEN.	1	-
E 455 SILT	300 MG.	DRY	FINE SAND.	GREEN.	1	-
E 521 SILT	300 MG.	DRY	ORGANIC	GREEN.	1	-
E 523 SILT	200 MG.	DAMP	ORGANIC	PURPLE-BLUE	1	-
				GREEN-BLUE	2	-
E 445 SILT	300 MG.	DRY	CLAY	GREEN.	1	-
E 443 SILT	300 MG.	DRY	FINE CLAY & SAND	GREEN	1	-
E 454 SOIL	300 MG.	DRY	FINE SAND.	GREEN	1	-
E 452 SOIL	300 MG.	DRY	SANDY - FINE	GREEN.	1	-
E 453 SOIL	300 MG.	DRY	SL. ORGANIC.	GREEN	1	-

(3)

SAMPLE NO.	SAMPE SIZE	WET, DAMP, DRY	ORGANIC, SANDY, ETC.	COLOR	NO. OF RINGS, PPM.
E 406 SILT	300 MG.	DRY	SL. ORG. & SANDY.	GREEN-BLUE.	1
E 408 SILT	300 MG.	DRY	SL. ORG.	GREEN	1
E 450 SILT	200 MG.	DRY	ORGANIC & SANDY	GREEN	1
E 574 SILT	300 MG.	DAMP	SL. ORG. CLAY.	BLUE-GREEN.	1
E 572 SILT	300 MG.	DAMP	SL. SANDY	GREEN	1
E 577 SILT	300 MG.	DAMP	SANDY	GREEN-BLUE	1
E 575 SOIL	300 MG.	DRY	SL. ORGANIC	GREEN.	1
E 576 SOIL (WEAK OXIDANT)	300 MG.	DRY	FINE RED CLAY.	GREEN.	1
E 599 SOIL	300 MG.	DRY	FINE CLAY	GREEN.	1
E 600 SILT	300 MG.	DRY	SLIGHTLY ORG. & SANDY	GREEN.	1
E 602 SOIL	300 MG.	DRY	ORG. - SL. SANDY.	BLUE-GREEN	1
E 604 SILT	300 MG.	DRY	SANDY - FINE	GREEN-BLUE.	1
E 606 SILT	300 MG.	DRY	SL. ORG. & SANDY	BLUE-GREEN	1
E 608 SILT	300 MG.	DRY	FINE SAND.	PINK. GREEN	1 2

(4)

SAMPLE NO.	SIZE	WET/DAMP/DRY	ORGANIC/SANDY ETC	COLOR.	NO. OF RINGS.	PPM.
E 609 SILT.	200 MG.	DRY	FINE SAND.	BLUE-GREEN.	1	
E 611 SILT	300 MG.	DRY	FINE SAND	BLUE-GREEN	1	
E 1100 SILT	300 MG.	DRY	SL. ORG. & SANDY.	PURPLE	1	
				BLUE-GREEN	2	
E 1101 SILT	300 MG.	DRY	SL. ORG.	GREEN	1	
E 1103 SILT	300 MG.	DRY	ORG. & SL. SANDY.	BLUE-GREEN	1	
E 1104 SILT	300 MG.	DRY	FINE SAND	GREEN.	1	
E 1106 SILT	300 MG.	DRY	SL. ORGANIC.	BLUIS. GREEN	1	
E 1107 SILT	300 MG.	DRY	FINE SAND.	BLUE-GREEN	1	
E 1111 SILT	300 MG.	DRY	SANDY	GREEN	1	
E 1112 SILT	300 MG.	DRY	ORG. & SANDY	GREEN	1	
E 1113 SOIL	200 MG.	DAMP	SLIGHTY ORG.	GREEN	1	
E 1114 SOIL	300 MG.	DAMP	ORGANIC.	GREEN	1	
E 1115 SILT.	300 MG.	DAMP	SLIGHTLY SANDY.	GREEN	1	
E 1116 SOIL	300 MG.	DAMP	SL. ORG. & SANDY.	GREEN	1	

(5)

SAMPLE NO. SAMPLE SIZE WET, DAMP, DRY ORGANIC, SANDY, ETC. COLOR. NO. OF RINGS. P.P.M.

E1117. SILT	300 MG	DRY	SL. ORG. & SANDY	GREEN.	1	
E1118 SILT	300 MG.	DRY	SL. SANDY,	GREEN	1	
E1120 SILT	300 MG.	DRY	SANDY,	BLUE-GREEN	1	
* E1121 SILT	300 MG.	DAMP	SL. ORGANIC.	RED	1	
				RED-PURPLE	2	
				RED		
				PURPLE	3	
				DEEP PURPLE	4	
				PURPLE	5	
				BLUE PURPLE	6	
				BLUE	7	
E1228 SILT	300 mg.	DRY	ORG. SANDY	GREEN	1	
E 613 SILT	300 mg	DAMP	SANDY	GREEN	1	
E 615 SILT	300 mg	DAMP	SANDY	BLUE GREEN	1	
E 616 SILT	300 mg.	DAMP	FINE SAND	PURP-BLUE	1	
				GREEN	2	
E 618 SILT	300 mg.	DRY	FINE SAND	GREEN	1	
E 619 SILT	300 mg.	DAMP	SL. SANDY CLAY	BLUE "	1	
E 621 SILT	300 mg.	DAMP	SANDY	BL-GREEN	1	

(6)

SAMPLE NO.	SIZE	WET DAMP DRY	ORG. SANDY ETC.	COLOR	# RINGS	T.P.M.
E1236 silt	300 mg.	damp	fine sand + silt	green	1	
E1234 silt	"	damp	silt	purple blue	1	
				blue green	2	
E622 silt	"	damp	silt + fine sand	blue green	1	
E1201 silt	"	damp	fine sand	blue	1	
	"			green	2	
E1200 silt	"	damp				
E1203 silt	"	damp	silt + fine sand	green	1	
E1205 silt	"	damp	silt + organics	green	1	
E1124 silt		damp	sand + silt	blue green	1 2	
EM 1125 silt.	"	damp.		blue-purple blue green	1 2	
EM 1127 silt.	"	damp	silt.	purple. blue-green	1 2	
EM 1129 silt.	"	damp.	silt.	purple blue green	1 2	
EM 1130 silt	"	damp	sand - silt	blue green.	1 2	
EM 1132	"	damp	sand - silt	blue green	1 2	
EM 1133	"	damp	Sandy - silt.	purple green.	1 2	

7

Sample No.	Size	Wet, Damp, dry	org, sand, silt	no. rings	colour	P.P.M.
EM 1134	300 mg.	Damp.	fine sand.	1 2.	green blue + green	
EM 1000	"	Damp	Silt	1 —	green —	
EM 1001	"	Damp	clay - silt.	1 2.	gray blue green.	
EM 1002 soil	"	Damp.	silt + org.	1 —	blue green. —	
EM 1003	"	Damp.	sandy silt	1 —	green —	
EM 1005	"	Damp	clay.	1 —	green —	
EM 1207	"	Damp	silt	1 —	green —	
EM 1208	"	Damp	fine sand + silt	1 2	blue green	
EM 1209	"	Damp.	org - silt "too much organics"	1	purple blue. —	
EM 1210	"	Damp.	clay - silt	1 2.	purple blue green	
EM 1211	"	"	sand + clay.	1 —	green —	
EM 1212	"	"	silt + org.	1 —	green —	
EM 1135	"	"	sandy silt	1 2.	purple blue green.	
EM 1136 soil	"	Dry	slightly org.	1 2.	pink purple. blue green.	

8

Sample no.	Size	Wet/Damp/dry	org. sand etc.	No. kings	colour	P.P.M.
EM 1137	300 mg.	Damp	sandy silt	1	green - blue	
				2.	green	
EM 1138	"	"	org clay	1.	blue green	
EM 1139	"	"	Sandy silt	1	green	
EM 1140	"	"	org - clay	1	grey blue	
				2	green	
EM 1214	"	"	sand - clay	1	pink - purple	
				2.	green blue	
				3.	blue - green	
				—	—	
EM 1215	"	"	org. sand - silt	1	blue green	
				—	—	
EM 1216	"	"	sandy silt.	1	green	
EM 1218	"	"	slight org - silt.	1	purple	
				2.	green blue	
				3	green	
				—	—	
EM 1219	"	"	slightly org - sand - silt	1	green blue	
EM 1220	"	"	sandy silt	1	blue green	
				—	—	
E 1223	"	"	slight org silt	1	purple	
				2.	green blue.	
				3.	blue green	

(9)

Sample no.	Size	Wet etc.	org. sand	no. frags	Colour	P.P.M.
EM 1225	300mg	Damp.	clay silt.	1	blue-green	
EM 1227	"	"	sandy silt.	1	green	
EM 1228	"	"	sandy silt.	1	green	
EM 1230	"	"	slight org. clay silt.	1	purple.	
				2.	blue green.	
EM 1232	"	"	sandy silt.	1	purple.	
				2.	green.	
EM 1237	"	"	slight org. sand-silt.	1	blue purple.	
				2.	blue green	
EM 1239	"	"	sand-silt.	1	green.	
EM 1240	"	wet.	org. clay.	1	blue.	
				2.	green.	
EM 1241	"	"	org sand silt	1	green blue	
EM 1141	"	"	sandy silt.	1	pink purple.	
				2	blue green.	
EM 1142.	"	Dry	slightly sandy silt	1	green blue.	
EM 1143	"	damp	sandy silt.	1	purple.	
				2.	blue green	

(10)

Sample No.				No. Rings	Colour	P.P.M.
EM 1145	300mg	Damp	slightly Sandy silt	1	grey blue	
				2.	green	
EM 1147	"	"	"	1	grey blue.	
				2.	blue green	
EM 1148	"	"	slightly org. silt	1.	green.	
EM 1149	"	"	sight org. silt	1.	blue green.	
EM 1150	"	Dry	sight org. clay	1.	green	
EM 1157	"	"	sandy silt	1.	blue green.	
EM 1006	"	"	light org. clay.	1	blue	
				2.	green.	
EM 1007	"	Damp.	Sandy silt	1.	green.	
EM 1009	"	"	slightly sandy silt.	1.	green.	
EM 1010	"	"	"	1	blue green.	
EM 1011	"	"	"	1	green	
EM 1013	"	"	clay.	1.	green	
EM 1014	"	"	sandy silt.	1.	green	
EM 1015	"	"	"	1.	green.	
EM 1016	"	"	"	1	blue green.	
EM 1017	"	"	"	1	blue green.	
EM 1018	"	"	"	1.	green blue.	
				2.	green.	

Fe content masking HM?

(11)

SAMPLE NO.	SIZE	WET, c66.	ORG. SAND	NO. FRINGS	COL OUR	P.P.M.
EM 368	300mg	Dry	sandy silt	1	green.	
EM 372	"	Wet.	org. sand silt	1	green.	
EM 374	"	Wet	"	1	green.	
EM 376	"	"	"	1	blue purple	
				2.	blue green.	
EM 378	"	"	"	1	green.	
380	"	"	"	1	pink - purple	
				2.	green blue.	
382.	"	"	fine sand	1	grey green.	
384	"	"	coarse sand	1	green	
386	"	"	sandy silt	1.	Green	
EM* 1177	"	damp.	organic?	1	pink	
				2	pink.	
				3	pink purple.	
				4	purple.	
				5	blue - purple.	
				6	purple - blue.	
				7	blue.	
				8	green - blue.	
* 1178	"	damp org. & sandy,		1	pink - red.	
				2	red.	
				3	purple.	

XII

Sample #	Sample Size	Dry/Damp/Wet	Organic, Sand, Silt Clay	# of samples	Color	P.P.M.
EM 1178	300mg	damp	org & sandy	4. 5	purple-blue green-blue.	
EM 1179.	"	damp	sl. org. & sandy	1	blue-green.	
* EM 1180	"	damp	sl. org.	1 2. 3 4 5	pink. purple. purple. blue. green-blue.	
EM 1181	"	damp	sl. organic	1 2 3	pink. blue-purple. blue-green	
E 391	"	damp	org. sand	1 2	purple blue-green	
E 387	"	damp	sand + ^{slight} org.	1 2	purple green blue	
E 1267	"	dry	silt + org.	1 2 3	pink blue green	
E 1269	"	dry	silt + ^{slight} org.	1	green	
E 1270	"	damp	silt + fine sand	1 2 3.	pink-red purple-blue green blue	

SAMPLE No. SIZE WET, etc! ORG. SAND NO. PINES COLOUR P.P.M.

E1272 soil 300mg. damp sandy org. soil 1 green

*E1274 soil " damp org. sandy soil 1 red-pink 2 purple-pink 3 purple-blue 4 blue-green

*E1275 " damp sandy-org. 1 pink 2 purple 3 blue-purple 4 blue 5 blue green

E1276 " damp sandy silt 1 pink 2. blue purple 3 green blue

*E1278 " damp sandy org 1 "passionate" pink 2 pink-red. 3 red-purple 4 purple 5 blue-purple 6 blue 7 blue-green

E1279 soil " damp slight orgy sand 1 green

Sample No.	Size	Wet Damp Dry	silt, org. sand.	No. Rings	Colour	P.P.M.
* E 1280	300mg.	Damp	silt	1	pink-red	
				2	red-purple	
				3	purple-blue	
				4	blue green	
E 1282	"	damp.	sand ^{slight} orgy	1	blue green	
				2	green	
E 1285 soil	"	dry	sandy	1	blue green	
E 1284 soil	"	dry	clay ^{slight} orgy.	1	green	
E 322	"	damp.	sandy silt	1	red-pink	
				2	purple	
				3	green blue	
* E 324	"	damp.	sandy silt	1.	pink	
				2.	purple	
				3.	blue	
				4	blue green	
E 326	"	damp.	silt	1	purple	
				2	green blue	
E 328	"	damp	org. silt	1	green	
* E 330	"	damp.	org. silt	1	passionate pink	
				2	pink	

sample No	size	Moist Temp Dry	Org. sand. silt	No Rings	Colour	P.P.M.
E 330 continued	300 mg.			3	purple pink	
				4	pink purple	
				5	pink purple	
				6	purple	
				7	purple-blue	
				8	blue	
				9	green-blue	
E 332	"	damp.	silt	1	blue	
				2	green.	
EM 389	"	Damp	Sandy org.	1	pink-purple	
				2	blue-purple.	
				3	blue-green	
EM 393	"	"	Sandy-org.	1	pink-purple.	
				2	blue-purple.	
				3	green-blue.	
EM 395	"	Dry	Sandy.	1	green	
EM 1025	"	Damp	Vol. Ash.	1	green	
EM 1033	"	"	organics soil	1	green	
EM 1029	"	"	organics.	1	Pink	
				2	green blue.	
				3	green	
EM 1024	"	"	organics soil	1	green-purple	
				2	green	

Sample no.	Size	Wet Damp Dry	Silt, org, sand.	# Rings	Colour.	P.P.M
EM1026	300mg	Damp	Sandy	1	purple	
EM1523	no	can do.	too much		organics.	
EM1525	300mg	Damp	organics	1	blue green.	
*EM 1520	"	"	sand - org.	1	pink - red	
				2	purple.	
				3	purple	
				4.	blue - purple.	
				5	blue.	
				6.	green - blue	
EM1510	300mg	"	sand - org.	1	purple - blue	
				2.	green.	
EM1508	"	"	"	1	red purple.	
				2	blue.	
				3	green blue.	
*EM1506	"	"	organics	1	purple - red.	
				2	purple	
				3.	purple blue	
				4.	green blue.	
EM1522	"	"	organics	1.	pink red	
				2.	blue	
				3	blue green.	
EM1526	"	"	"	1	blue green	
*EM 1524	"	"	sand - org.	1	pink - red	
				2.	purple	
				3	purple - blue.	
				4	green - blue.	
EM1541	"	"	sandy	1	blue	
				2.		

	size			Rings	Colour	P.P.M.
*EM 1512	300 mg.	Damp	organics	1	pink	
				2.	purple-blue	
				3	green-blue.	
EM 1513	"	"	vol. ash.	1	green.	
EM 1516	approx	"	organics	1.	Red	
				2.	blue.	
				3	blue green	
EM 1517	"	"	sandy.	1	green blue.	
EM 1563	"	"	wandy-org.	1.	blue purple	
				2.	green.	
EM 1562	"	"	wandy.	1.	green.	
EM 1561	"	"	wandy-org.	1.	green.	
EM 1559	"	"	silty	1.	green	
EM 1558	"	"	org.	1.	purple?	
				2.	green.	
EM 1556	"	"	wandy	1.	green	
EM 1557	"	"	"	1.	blue	
				2.	green	
EM 1552	"	"	silty	1	green	
EM 1550	"	"	"	1.	purple	
				2.	green	
EM 1548	"	"	wandy	1.	green-blue	
EM 1546.	"	"		1.	green	
EM 1544	"	"	silty	1.	purple-grey	
				2.	green.	
EM 1543	"	"	silty.	1.	purple	
				2.	green.	
EM 1541	"	"	sandy	1	blue	
				2.		

Sample	Size	Damp ^{wet}	organics, silt, sand	Rings	Colour	P.P.M.
EM 1540	300 Mg.	Damp	Sandy.	1.	blue.	
				2.	green	
EM 1539.	"	"	silt.	1.	green	
EM 1537	"	"	silt.	1.	purple.	
				2.	green blue	
				3.	green	
EM 1536	"	"	Sandy	1.	blue-green	
EM 1535	"	"	"	1.	blue	
				2.	green	
EM 1533	"	"	Sandy ^{org.}	1.	Pink-red	
				2.	Blue.	
				3.	green	
EM 1531	"	"	Sandy	1.	purple-grey.	
				2.	green	
EM 1527	"	"	org.	1	red.	
				2.	purple.	
				3.	green blue.	
EM 1167	"	dry	sandy	1	red	
				2.	purple blue.	
				3.	green	
EM 1168	"	dry	sand.	1.	green blue.	
EM 1169	"	dry	sand	1.	green blue.	
EM 1171	"	dry	sandy	1.	red purple.	
				2.	blue purple.	
				3.	blue green.	
*EM 1173	"	damp	organic	1.	Red.	
				2.	purple.	
				3.	blue purple.	
				4.	green blue.	

Sample no.	Size	Damp, etc.	organic, etc.	Rings	Colour	P.P.M.
EM 1175	300mg.	Damp.	slight Org.	1. 2. 3.	Red. blue purple green blue	
EM 1176	300mg.	Dry.	sand	1. 2.	purple green blue.	
EM 1170	"	"	"	1. 2.	blue green.	
* EM 1500	"	Damp.	silt.	1. 2. 3. 4.	Red. purple. purple blue green blue	
EM 397	"	Damp.	silt.	1. 2. 3.	purple green-blue	
EM 599	"	"	"	1. 2. 3.	purple green	
* EM 1514	"	"	organic	1. 2. 3. 4. 5. 6. 7.	"red" strong purple purple blue-purple blue green-blue blue-green	
* EM 1502	"	Damp	organic	1 2 3 4 5	red pink purple purple blue blue-green	

Sample No.	Size	Damp, etc.	Organic, etc.	Temp	Colors	P.P.M.
*EM 1504	300 mg.	Damp	Silt-Organic	1	red	
				2	red	
				3	pink-purple	
				4	purple	
				5	blue-purple	
				6	purple-blue	
				7	blue	
				8	green-blue	
SILT EM 398	"	Dry	Silt-Slightly Organic	1	blue	
				2	green	
EM 1519	"	Dry	Silt-Slightly Organic	1	pink-purple	
				2	green-blue	
*EM 1518	"	Dry	Slightly Organic	1	red	
				2	pink-purple	
				3	purple	
				4	blue-purple	
				5	blue	
				6	blue-green	
				7	green	
EM 1515	"	SILT				

Sample No.	SIZE	WET, DAMP, ETC.	SILT, SAND, ORG.	No. RINGS	Colour	P.P.M.
EM 1565	300mg	Wet.	clay silt	1.	Purple	
				2.	green.	
EM 1566	"	"	slight organical	1.	Purple.	
				2.	Blue green.	
EM 1569	"	"	Sandy-silt.	1.	Blue.	
				2.	green.	
EM 1567	"	"	org - sandy.	1.	grey purple.	
				2.	blue-green.	
EM 1571	"	"	Sandy.	1.	Blue	
				2.	Green	
EM 1572	"	"	Slight org.	1.	purple.	
				2.	blue green.	
				3.		
1574	"	"	slightly-sandy.	1.	purple	
				2.	green	
1576	"	"	"	1.	purple	
1577				2.	blue green.	
1578	"	Dry	Sandy silt.	1.	purple	
				2.	blue-green.	
1579	"	Wet.	Slight-organics.	1.	pink purple.	
				2.	blue green.	
				3.		
1580	"	Dry	Slight org + sand.	1.	purple.	
				2.	green.	
1581	"	Wet.	Sandy.	1.	blue.	
				2.	green.	

Sample No.	Size	Wet, etc.	Sandy, etc. Sandy organics -	No. Rings	Colour.	P.P.M.
EM 1583	300mg	Wet.	organics -	1	blue green.	
1585	"	Damp.	Sandy (fine)	1	blue.	
				2	green	
1587	"	Wet.	org + clay.	1	pink-red.	
				2	purple.	
				3	blue-green	
				1		
1588	"	"	org. + clay	1	red.	
				2	purple blue.	
				3	blue-green	
1589	"	"	Sandy.	1	red.	
				2	blue.	
				3	green.	
1590	"	"	organics	1	purple	
				2	blue-green	
1591	"	Damp.	Slight- org + sand.	1	grey-purple.	
				2	blue-green	
1592	"	Wet.	Sandy.	1	purple.	
				2	blue green	
1594	"	"	organic clay.	1	red.	
				2	purple - blue.	
				3	green - blue.	
1596	"	"	organics + sand.	1	purple.	
				2	green - blue.	
1598	"	Dry	Sandy.	1	purple	
				2	green blue.	
1286	"	Damp.	"	1	grey-purple.	
				2	blue-green.	
1288	"	Wet.	organic	1	red.	
				2	green blue	

	Damp, etc.	sandy etc.	# Rings	Colour
EM 1288	Continued		3.	green
EM 1289	300 mg.	Damp.	1.	grey - purple
			2.	blue green.
*EM 1291	"	Wet.	1.	Red.
		Much organics	2.	Red
			3.	pink purple
			4.	pink purple.
			5.	purple.
			6.	purple - blue
			7.	blue
			8.	green blue.
EM 1292	"	Wet.	1.	pink - Red.
		organic + sand	2.	purple red.
			3.	blue purple.
			4.	blue
			5.	green blue
1294	"	Damp.	1.	Purple-red
		org. + sand.	2.	green blue.
1295	"	"	1.	blue-green.
1296	"	"	1.	purple.
		Slightly organic	2.	green blue.
1297	"	"	1.	blue
		Sandy.	2.	green.
1299	"	"	1.	purple.
		"	2.	blue green
1401	"	Wet.	1.	purple.
		org. + clay.	2.	blue
			3.	blue green.

Sample No.	Size.	wet, etc.	org, etc.	# Rings.	Colour	P.P.M.
1403	300mg	Wet.	org + clay	1	blue purple.	
				2	green.	
1028	"	Dry	slight org. soil.	1	purple.	
				2.	blue green.	
1034	"	"	"	1	blue	
				2.	green.	
1035	"	Damp.	fine sandy.	1	purple.	
				2.	green blue.	
1036?	"	"	"	1.	red purple.	
				2	blue.	
				3.	green.	
1038	"	"	Slight org + sand	1.	purple.	
				2.	green.	
1311	"	Wet.	slight org. + sand.	1.	purple - blue.	
				2.	green	
1313	"	"	"	1.	purple.	
				2.	green.	
1314	"	"	fine sand.	1.	blue purple	
				2.	green.	
1316	"	"	slight org. coarse sand.	1.	green blue.	
1317	"	"	Sandy	1	purple	
				2.	green.	
1319	"	"	organic + clay.	1.	purple	
				2.	green.	
1323	"	Wet.	org. + sand	1	purple.	
				2.	green.	
1328	"	Damp.	slight org + sand.	1	purple.	
				2.	green.	

Sample No.	Size	Wet etc.	org. etc.	# Rings	Colour	P.P.M.
1326	300mg	Damp.	Slight org.	1	Purple	
				2	Green.	
1325	"	"	Sand + org.	1	Purple	
				2	Green.	
1321	"	"	organic + sand	1	Green	
1329	"	Wet.	org + sand.	1	Green.	
1330	"	Damp.	Slight org. sandy	1	Purple.	
				2	blue green.	
1332.	"	"	Slight org. + sand	1	purple.	
				2	Green	
1334	"	"	Sandy.	1	Purple.	
				2	blue-green	
1336	"	Damp.	Sandy,	1	green blue.	
EM 410	"	Wet	Coarse sand.	1	blue green	
EM 413.	"	"	Sandy silt.	1	Green	
480	"	Wet.	Slight org.	1	green.	
500		wet	org. clay.	1	Green.	
524	- no sample (silt).			to much organics. }		
558.	"			"	"	
579	"	Dry	Sandy.	1	purple	
				2	green.	
624	"	Wet.	"organic" clay.	1	purple red.	
				2	green	
569	"	Wet.	Sandy.	1	Green blue.	
580	"	Wet	Sand.	1	green.	
582	"	"	"	1	Green.	
584	"	"	Coarse sand.	1	blue-green.	
586	"	"	org. + sand.	1	Red purple.	
				2	blue	
				3	green.	

		Wet etc.	Sandy, etc.	# Rings	colour	P.P.M.
588	300 mg.	Wet.	Sandy.	1	Green	
590	"	"	"	1.	Green.	
595	"	"	org. + clay.	1.	Purple.	
				2.	Green.	
5910	"	"	Sand	1.+2	purple + green	
1368	"	"	organic	1.	Green.	
1355	"	"	org + sand.	1.	Red.	
				2.	blue	
				3.	green blue.	
1360	"	"	org. + clay.	1	purple	
				2.	blue green.	
1359	"	"	org + sand	1.	Green.	
1356	"	"	org + clay	1.	Purple.	
				2.	Green.	
1358	"	Damp	Slight sand.	1.	purple.	
				2	blue green	
				3		
1374.	"	Wet.	org + sand.	1	purple.	
				2.	blue green.	
1363	"	damp	org + sand.	1.	purple,	
				2	blue-green	
1348	"	wet	* * * * * organic	1.	red	
				2.	purple red.	
				3.	red purple!	
				4.	purple.	
				5.	purple.	
				6.	blue.	

XXVII

Sample #	Size	Wet, etc.	Sandy etc.	Rings	Color.	P. P. M.
1365	"	wet	org & sandy	1	blue green.	
1370	"	"	"	1 2.	blue purple green.	
✓ 1364	"	"	org. clay.	1. 2. 3. 4.	purple red. purple blue. green.	
1361.	"	damp	org. sand	1.	green.	
1372	"	wet	sand.	1.	green.	
1362	"	dry.	fine sand.	1.	blue green	
1366	"	damp.	org. sand.	1	blue green.	
✓ 1349?	"	damp.	org. clay.	1. 2. 3.	red. purple. green blue	
1357	"	damp.	sandy	1	green.	
1346	"	wet.	sh. org.	1	green-blue.	
1342	"	dry	org. sandy	1	blue-green	

XXVIII

Sample.	Size	Wet, etc.	Sandy, etc.	Rings	Color
1351.	"	damp	org. sandy	1. 2.	purple, blue-green.
1344.	"	wet	org. clay.	1.	blue green
1347.	"	damp.	org. sand.	1	blue green
1343	"	dry	org. sandy.	1	green.
✓ 1341?	"	wet	org. clay.	1. 2. 3.	red purple. blue. blue green
1345	"	dry	org. sandy.	1.	green.
1353	"	wet.	org. sandy.	1. 2.	purple, blue green.
✓ 1338	"	wet.	org. clay.	1. 2. 3.	red purple. blue. blue green.
" <u>LITTLE BUFFALO</u> "					
1182	"	damp	silt, slight sand	1	green
1183	"	damp	sand	1	green
1185	"	damp	sandy silt, slight orgy.	1	green
✓ 1186	"	damp	silt, slight orgy	1	Pink

Sample #	Size	Wet, damp, dry	Silt, sand, clay, org.	# Rings	Color
✓ 1186 (cont.)	300 mg.	"	"	2	red-pink
				3	purple
				4	grey-purple
				5	green-blue
1187	"	damp	silt, fine sand	1	green
1188	"	damp	silt, sand	1	green
340	"	damp	silt	1	grey
				2	green
338	"	damp	silt, org.	1	purple
				2	green
342	"	damp	sand, silt	1	green
336	"	damp	silt, org.	1	red. purple
				2	green-blue
334 soil	"	damp.	sandy, slight org.	1	green
335 soil	"	damp.	fine sand	1	green
333 soil	"	damp.	fine sand	1	green
1040	"	damp	silt, fine sand	1	pink-red
				2	green-blue
1039	"	damp	silt, fine sand	1	purple
				2	green

Sample #	Size	Wet, damp, dry.	Silt, sand, clay, orgg.	# Rings	Color.
650	300 mg.	dry	"sand"	1	purple
				2	green
628 soil	"	dry	fine silt, sand	1	purple-blue
				2	green-blue
656	"	damp	clay, sand	1	blue
				2	blue-green
655	"	damp	silt, sand	1	green-blue
631	"	damp	silt, ^{slight orgg.} fine sand	1	pink-purple
				2	green-blue
625	"	damp	sand, clay	1	blue
				2	green
629	"	damp	silt, fine sand	1	blue-purple
				2	green
627	"	damp	silt, fine sand	1	blue green
654	"	damp	silt, sand	1	purple
				2	green-blue
652	"	damp	silt, fine sand	1	purple-blue
				2	green.

Sample #	Size	Wet, damp, dry	silt, sand, clay, orgy	# Rings	Color
657	300 mg.	dry	sandy, silt	1	green-blue
666	"	wet	sandy silt	1	blue
				2	green
668	"	damp	sandy silt	1	green-blue
661	"	damp	sandy silt	1	blue-green
✓ 664	"	damp	sandy silt	1	red-pink
				2	purple-blue
				3	green-blue
659	"	wet	sandy silt	1	purple
				2	green
659	"	wet	sandy	3	
663	"	wet	sandy silt	1	green
✓ 1191	"	wet	silt	1	red-pink
				2	deep purple
				3	green
				4	
1190	"	wet	sandy silt	1	green
1194	"	wet	sandy silt	1	neutral
				2	green

Sample #	Size	Wet, damp, dry	silt, sand, clay, orgy	# Rings	Color
1042	300mg	damp	sandy silt	1	pink
				2	blue green
				3	
1044	"	damp	sandy silt	1	green-blue
1404	"	damp	sandy silt	1	purple
				2	green
1406	"	damp	silt	1	blue-purple
1407	"	damp	sandy silt	1	green
1408	"	damp	sandy silt	1	green
1409	"	damp.	sandy silt	1	green
1410	"	damp.	silt	1	blue purple
				2	blue green
1411	"	damp	sandy silt	1	blue-green
1412	"	damp	sandy silt	1	blue-green
1414	"	damp	sandy silt	1	blue-green
1416	"	damp	sandy silt, slight orgy.	1	red-pink
				2	blue green

Sample #	Size	Wet, damp, dry	silt, sand, clay, orgy.	# Rings	Color
✓ 1418	300 mg.	damp	coarse sandy silt	1 2 3	pink blue-purple blue-green
✓ 1420	"	wet	silt, slight orgy	1 2 3 4	pink purple green-blue green
1421	"	damp	silt, slight orgy.	1 2 4	pink green
1423	"	damp	sandy silt	1	blue-green
1193	"	DRY.	SOIL	1	GREEN BLUE
1192	"	SL. DAMP	SANDY SILT, SL. ORG.	1	GREEN BLUE
1196	"	DAMP	SL. ORG. SOIL	1	GREEN
1197	"	"	COARSE SANDY SILT	1	GREEN
1198	"	"	ORG CLAY SILT.	1 2	PURPLE GREEN-BLUE

SAMPLE #	SIZE	WGT, DAMP DRY	SILT, SAND, CLAY, ORG.	# RINGS.	COLOR	P.P.M.
1199	300mg.	DAMP	SL. ORG. SANDY SOIL	1	PINK PURPLE	
				2	PURPLE BLUE	
				3	GREEN	
803	"	"	ORG. SOIL	1	GREEN	
802	"	DAMP	SANDY, SL ORG. SILT SOIL	1	PURPLE BLUE	
				2	GREEN	
801	"	"	ORG. CLAY SILT	1	RED PURPLE	
				2	PURPLE	
				3	BLUE	
				4	BLUE	
				5	GREEN-BLUE	
800	"	"	ORG. CLAY SILT	1	PURPLE-BLUE	
				2	GREEN	
669	"	WET.	SANDY SILT	1	GREEN-BLUE	
671	"	WET	ORG SANDY SILT	1	BLUE GREEN	
672	"	WET.	ORG. SANDY SILT	1	PINK PURPLE	
				2	BLUE GREEN	
674		DAMP	SL ORG. SANDY SILT	1	PURPLE	
				2	GREEN	

SAMPLE	SIZE	NET, DAMP, DRY	SILT, SAND, CLAY, ORG.	# RINGS	COLOR	P.P.M.
675	300mg.	WET	SL. ORG. COARSE SANDY SILT	1	PURPLE	
				2	GREEN	
677	"	DRY	COARSE SANDY SILT.	1	GREEN	
678	"	WET	CLAY SILT	1	GREEN	
680	"	"	SANDY SILT	1	GREEN	
682	"	WET	SANDY, ORG. SILT	1	PURPLE	
				2	GREEN	
684	"	DAMP	SANDY SILT	1	BLUE GREEN	
685	"	"	SANDY SILT	1	GREEN BLUE	
687	"	WET	SANDY SILT	1	PURPLE	
				2	GREEN	
690	"	DAMP	FINE SAND SILT	1	PINK PURPLE	
				2	GREEN BLUE	
692	"	"	SANDY	1	GREEN	
688	"	"	SANDY	1	GREEN	

SAMPLE	SIZE	WET, DAMP, DRY	SILT, SAND, CLAY, ORG. SL. ORG.	# RINGS	COLOR	PRM.
700	300 mg.	DRY	SANDY SILT	1 2.	PURPLE GREEN-BLUE	
702	"	DAMP	SL. ORG. SANDY SILT	1	BLUE GREEN	
701	"	DAMP	CLAY SILT	1	GREEN BLUE	
344	"	"	SL. ORG. SILT	1 2	BLUE GREEN	
345	"	"	FINE SANDY SILT	1	GREEN	
346	"	"	SANDY SILT	1	GREEN-BLUE	
347	"	"	SANDY SILT	1	GREEN	
348	"	"	SL. ORG. SANDY SILT	1 2	PURPLE GREEN	
694	"	"	SL. ORG. SANDY SILT	1 2	PURPLE GREEN	
695	"	WET	ORG SILT	1 2	GREEN BLUE GREEN	
696	"	DRY	SL. ORG. SANDY SILT	1 2	PURPLE GREEN	

SAMPLE	SIZE	WET, DAMP, DRY	SILT, SAND, ORG. ETC	# RINGS	COLOR	PPM
697	300mg	WET	ORG SILT	1	PURPLE	
				2	BLUE-GREEN	
698	"	DAMP	SL. ORG. SANDY SILT	1	BLUE GREEN	
1425	"	DRY	SL ORG SOIL	1	GREEN	
1426	"	DAMP	SANDY SILT	1	BLUE-GREEN	
1427	"	WET	ORG. SILT	1	purple	
				2	green-blue.	
1428	"	DAMP	SANDY, SL. ORG. SILT	1	blue-green	
	July 25/66					
✓ 833	"	Wet	silt, slight orgy	1	pink	
				2	pink	
				3	purple	
				4	green-blue	
				5	green	
✓ 826	"	damp	sandy orgy silt.	1	pink	
				2	purple	
				3	green	
				4		

Sample No.	Size	Wet, damp, dry	silt, sand, clay org.	Rings	Color
827	300 mg.	damp	sandy silt	1	green-blue
828	"	damp	sandy silt	1	pink-purple
				2	green-blue
829	"	damp	sandy orgy silt	1	green-blue
831	"	damp	silt	1	green-blue
834 soil	"	damp	sandy, org.	1	pink-purple
				2	green-blue
837 soil	"	damp	org.	1	pink
				2	pink
				3	purple
				4	purple
				5	purple
				6	blue
				7	green-blue
840	"	damp	sandy silt	1	green-blue
835	"	damp	sandy silt	1	pink
				2	purple
				3	green-blue
836	"	damp.	sandy silt, sl. orgy	1	pink
				2	green-blue
839 soil	"	damp	sandy + orgy.	1	pink
				2.	green-blue
804	"	damp	silt + slight orgy	1	pink
				2	green
806	"	damp	silt + slight orgy	1	pink
				2	green-blue
807	"	damp	silt	1	pink-purple
				2	green-blue

QTI 221A1D022A QMA 09H1AD 3EH29A

Sample #	Size	Wet, damp, dry	silt, sand, clay, org.	# Rigs	Color
809	300mg.	damp.	sandy silt.	1	purple
				2	green
811	"	damp	fine sandy silt	1	pink-purple
				2	green-blue
812	"	damp	sandy sl. orgy silt.	1	purple
				2	green
814	"	damp	sand + silt	1	green
815	"	damp	sand + silt	1	purple
				2	green
817	"	damp.	sand + silt	1	purple
				2	blue-green
818	"	damp	sand + silt	1	purple
				2.	green
819	"	wet	sand + silt	1	pink-purple
				2	green-blue
820	"	damp	sandy silt	1	green-blue
822	"	damp	silt	1	pink
				2.	blue green
? 824	"	damp	silt + org.	1	pink
				2.	purple
				3	blue green
? 825	"	wet	silt	1.	pink
				2.	blue-purple
				3	blue-green

VIBCHER, CAIHKO, YMD ASSOCIATES, LTD.

SAMPLE #	SIZE	WET, DAMP, DRY	SILT, SAND, CLAY, ETC.	# RINGS	COLOR	P.P.M.
1429	300 mg.	WET	ORG. SILT	1 2	PINK PURPLE GREEN BLUE	
1430	"	DAMP	SL. ORG. SANDY SILT	1	BLUE GREEN	
1431	"	DRY	SL. ORG. SANDY CLAY	1	GREEN BLUE	
1432	"	"	ORG. SL. SANDY SILT	1 2	BLUE PURPLE BLUE GREEN	
1433	"	WET	SANDY, SL. ORG. SILT	1 2	PURPLE BLUE GREEN	
1435	"	DAMP	SANDY SILT	1 2	PURPLE BLUE GREEN	
1436	"	DAMP	SANDY SILT	1 2	BLUE BLUE GREEN	
1437	"	DRY	ORG. SL. SANDY SILT	1 2	PURPLE BLUE GREEN	
1438	"	WET	SL. ORG. SILT	1 2	PURPLE BLUE GREEN	
1440	"	WET	SL. SANDY, SL. ORG. SILT	1 2	PURPLE BLUE GREEN	
1441	"	DRY	SANDY SILT	1	BLUE GREEN	
1442	"	WET	SL. ORG. SANDY SILT	1 2	PURPLE BLUE GREEN	
✓ 1444	"	DRY	SL. SANDY, SL. ORG. SILT	1 2 3 4	PURPLE PINK PURPLE BLUE BLUE GREEN	
1445	"	DRY	SANDY SILT	1 2	BLUE GREEN	
? 343	"	"	SILT SOIL - CLAY	1 2 3	PINK PURPLE BLUE - GREEN	

DTI 871A 0022A QM1 QM1A3 811004
WOLTERS CYANKO WND A2200V1811D

41. for water.

SAMPLE	SIZE	WET DAMP, DRY	ORG, SANDY, SILT	# RINGS	COLOR	R.P.M.
EM 1046	30cmg.	damp	of org. with.	1	pink purple blue purple blue green	
EM 1047	"	wet	sandy, of org. with	1	green	
1048	"	damp	of sandy, of org.	1	green	
1049	"	"	org. with	1	blue pump.	
1051	"	"	of org. of sandy.	1	green	
1052	"	"	sandy with	1	purple blue green	
1053	"	"	sandy with	2	blue green	
1054	"	"	sandy, of org. with	1	blue green	
1055	"	wet	of sandy with	1	blue green	
1056	"	"	sandy with	1	purple	
1057	"	damp	of sandy with	2	blue green blue green	
1058	"	wet	org. with	1	blue green	
1059	"	damp	of sandy with	1	blue green	
1060	"	"	sandy, of org. with	1	purple	
1061	"	wet	of org. clay	1	purple	
1062	"	damp	of sandy with	2	green	
1063	"	"	sandy with	1	green	
1066	"	"	of sandy, org. clay	1	blue. blue-green	
1067	"	"	sh. sand & organic	1	pink	
				2.	purple	
				3.	blue-green	

XLII

1050	300 mg.	wet.	sl. sandy & organic.	1 2	purple. bl-green
1446	"	damp.	Sandy	1 2	purple. green.
1448	"	"	sl. organic.	1 2	purple. bluegreen.
1449	"	"	"	1 2.	blue.
1450	"	"	Sandy & organic.	1	blue-green.
1451	"	wet	organic.	1	blue-green.
1452	"	"	Sandy.	1	green.
1453	"	"	"	1	blue-green.
1460	"	damp.	(soil) sandy & sl. organic	1	green.
✓1462 ⁿ	"	wet	sl. sandy & org.	1 2. 3.	pink-purple blue green.
1064	"	dry.	sl. sandy. (soil)	1	blue green.
1065	"	"	"	1	green.
703	"	"	Sandy soil.	1 2.	blue. green.
704	"	wet	sl. sandy silt.	1 2	purple blue green
705	"	damp	sl. sandy silt.	1	green.
707	"	dry.	sl. sandy / org. soil	1 2	blue. green.
708	"	"	"	1 2.	purple. bl-green
✓709	"	wet	sandy org. silt.	1 2. 3. 4.	pink. purple. blue blue-green

XLIII

712	200mg.	wet	soil - sandy.	1	green.
✓ 713	"	"	sandy - organic silt.	1	pink-purple
				2	blue-pple.
				3	blue-green.
715	"	damp	sandy silt.	1	blue-purple.
				2.	green
842	"	"	"	1	bl. green.
844	"	"	"	1	blue.
				2.	green.
845	"	"	sandy & sh organic.	1	pink-purple
				2.	blue green.
847	"	"	sandy	1	blue-green
848	"	"	sl. sandy.	1	blue-green.
900	"	"	"	1	bluegreen

Aug. 9/66

Sample No.	Sample Size	Wet, damp, dry	Silt, clay, sand, org.	Color	# of rings	PPM
1068	300 mg.	damp	sandy silt	purple blue-green	1 2	
1069	"	damp	soil, sl. org. ^{sandy.}	blue-green	1	
1070	"	damp	sandy silt	blue-green	1	
1071	"	damp	soil, sl. org.	grey-blue blue-green	1 2	
1072	"	damp	sandy silt	blue-green	1	
1073	"	damp	sl. org. sandy silt	pink-purple blue-green	1 2	
1074	"	dry	sandy silt	blue green	1	
1075 soil	"	dry	soil	green	1	
1076 soil	"	damp	soil ^{sandy}	grey green	1 2	
1077 soil	"	damp	sandy soil, vol. ash	purple blue-green	1 2	
1078 soil	"	damp	sandy soil	purple blue-green	1 2	
1079 soil	"	damp	sandy soil	blue-green	1	
1080 soil	"	damp	sandy soil	purple green	1 2	
1081 s	"	damp	silt	purple blue-green	1 2	
1082	"	damp	sandy silt	purple blue-green	1 2	
✓ 717 ?	"	damp	org. silt	pink purple blue blue-green	1 2 ? 3 4	
718	"	damp	org. silt	pink purple blue-green	1 ? 2 3	

Sample No.	Sample Size	Wet, damp, dry	Silt, Clay, Sand, Org.	Color	# of rings	PPM
719	300 mg.	damp	sl. org. silt	purple blue-green	1 ? 2	
720	"	damp	sl. org. silt	pink pink-purple blue blue-green	1 2 ? 3 4	
721	"	damp	organic	green	1	
722	"	damp	organic	purple blue-green	1 2	
723?	"	damp	sandy silt	pink purple blue blue green	1 2 3	
724	"	damp	sl. org. silt	pink-purple pink-purple purple blue blue green	1 2 3 4 5	
725	"	damp	sl. org. silt	grey blue green	1 2	
726?	"	damp	sl. org. silt	pink purple blue blue green	1 2 3	
727?	"	damp	org. silt	pink purple blue blue green	1 2 3	
728	"	damp	sandy silt	grey blue green	1 2	
729	"	damp	org. silt	blue green green	1 2	
730	"	damp	sandy silt	purple blue green	1 2 3	
731	"	damp	sandy silt	blue green	1	

Sample No.	Sample Size	Wet, damp dry	Silt, clay, sand, org.	Color	# of rings	PPM
✓ 732	300 mg.	damp	org. silt	pink purple blue purple blue green	1 2 3	
733	"	damp	sl. org. silt	purple blue green	1 2	
✓ 734	"	damp	sl. org. silt	pink purple blue blue green	1 2 3 4	
735	"	damp	sandy silt	green	1	
736	"	damp	sl. org. silt	blue green	1	
737	"	damp	soil	blue green	1	
739	"	damp	sandy silt	purple blue green	1 2	
✓ 741	"	damp	sandy silt	"pink" pink purple blue purple blue green	1 2 3 4 5	
743	"	damp	sandy soil	blue green	1	
✓ 745	"	damp	sl. org. silt	red-pink red-pink red-pink pink purple-pink pink-purple pink-purple purple purple purple ∞	1 2 3 4 5 6 7 8 9 10 11	
✓ 1454	"	damp	sandy silt	pink purple blue purple blue blue green	1 2 3 4	
1455	"	damp	sandy silt	blue green	1 2	

Sample #	Sample Size	Wet, damp dry	Silt, clay, sand org.	Color	# Rings
1457	300 mg.	damp	silt	blue blue green	1 2
1458	"	damp.	sandy silt	blue green	1
1459	"	damp	sandy silt	purple blue green	1 2
1463	"	damp	clay	blue green	1
1464	"	damp	sandy silt	blue green	1 2
1465	"	damp	sandy silt	blue green	1
1467	"	damp	sandy silt	blue purple blue green	1 2
1469	"	damp	sandy silt	blue green	1 2
✓1471?	"	dry	clay	pink purple blue green	1 2 3
✓1472	"	damp	sandy silt	pink pink-purple purple blue-purple blue green blue	1 2 3 4 5 6
1474	"	damp	soil	blue green	1
1475	"	damp	sandy silt	blue green	1
1476	"	damp	sandy silt	green	1
1477	"	damp	sl. org. silt	purple blue green	1 2
1478	"	damp	sandy silt	blue green	1 2
1480	"	damp	sl. sandy silt	purple blue green	1 2 3

48

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9/66

Sample #	Sample Size	Wet, damp dry.	Silt, clay, sand org.	Color	# Rings
✓ 1481	300 mg.	damp	sl. org. silt	pink purple purple blue blue green	1 2 3 4
✓ 1483	"	damp	sl. org. silt	pink purple purple blue blue green	1 2 3 4
1484	"	damp	sandy silt	blue green	1
1485	"	damp	sl. sandy silt	purple blue green	1 2
✓ 1486	"	damp	sandy silt	pink purple blue blue green	1 2 3
1487	"	damp	sl. org. silt	blue purple green blue	1 2
1488	"	damp	org. silt	blue blue green	1 2
1489	"	damp	sl. org. silt	blue green	1
836 soil	"	damp	soil	blue green	1 2
841	"	damp	silt, sl. sand	blue purple blue green	1 2
850	"	damp	org. + vol. ash	green blue	1
✓ 851	"	damp	org.	pink purple purple blue green blue	1 2 3 4
✓ 852	"	damp	org.	pink pink Red pink purple purple blue purple purple blue blue green blue	1 2 3 4 5 6 7 8

Sample #	Sample Size	Wet, damp dry.	Silt, clay, sand org.	Color	# Rings
soil 853	300 mg.	damp	soil, org. vol. ash	red-pink pink purple purple purple purple blue blue green blue	1 2 3 4 5 6 7
soil 854	"	damp	org. soil	blue blue green	1 2
soil 855	"	damp	org. soil	blue green	1
856	"	damp	sl. org. silt	pink-purple blue green blue	1 2 3
857	"	damp	sl. org. silt	blue green	1
858	"	damp	sl. org. silt	blue purple green blue	1 2
859	"	damp	sl. org. silt	purple green blue	1 2
860	"	damp.	sl. sandy silt	purple blue blue green	1 2
861	"	damp	sandy silt	blue green	1
862	"	damp	sl. org. silt	purple green blue	1 2
863	"	damp	sl. org. silt	purple blue green	1 2
902	"	dry	sl. sandy silt	purple green blue	1 2
903	"	damp	silt	purple green blue	1 2
905	"	damp	sandy silt	green	1

Sample #	Sample Size	Wet, damp, dry	Silt, clay, sand org.	Color	# Rings
906	300 mg.	dry	sl. sandy silt	blue purple blue-green	1 2
908	"	dry	sl. sandy silt	blue-green	1
910	"	damp	silt	purple green-blue	1 2
912	"	damp	silt	blue blue-green	1 2
914	"	damp	clay.	blue-green	1
916	"	damp	sandy silt	blue-green	1
917	"	damp	sandy silt	blue-green	1
919	"	damp	sandy silt	green	1
920	"	damp	sandy silt	green	1
922	"	damp.	sandy silt	blue green	1 2
923	"	damp	sandy. silt	green blue	1
925	"	damp	sandy silt	purple green blue	1 2
927?	"	damp	sl. org. silt	purple blue blue-green	1 2 3
928	"	damp	sl. org. silt	purple blue-green	1 2
929	"	damp	sl. sandy silt	purple green blue	1 2
soil 1375	"	damp	clay	blue-green green	1 2
soil 1376	"	dry	soil	green	1
soil 1377	"	dry	soil	green	1
soil 1378	"	dry	soil	green	1

51 Aug 9/66

Sample #	Sample Size	Wet, damp, dry	Silt, clay, sand org.	Color	# Rings
soil 1379	300mg.	dry	soil	green	1
soil 1380	"	dry	soil	green	1
soil 1381	"	dry	soil	green	1
soil 1382	"	dry	soil	green	1
soil 1383	"	dry	soil	green	1
1384	"	dry	silt	blue purple blue green	1 2
1386	"	dry	sandy silt	blue green	1 2
1388	"	dry	silt	blue green	1 2
✓ 1390	"	dry	sl. sandy silt	pink pink purple purple blue purple blue green blue	1 2 3 4 5 6
1391	"	dry	sl. sandy silt	blue green	1
✓ 1392	"	damp	sl. org. silt	pink purple purple blue green blue	1 2 3 4
✓ 1394	"	dry	silt	pink purple blue purple green blue	1 2 3 4
1395	"	dry	sandy silt	green	1
✓ 1396	"	damp	sl. sandy silt	pink purple blue purple green blue	1 2 3
✓ 1397	"	damp	sl. org. silt	pink pink pink purple purple	1 2 3 4

(continued)

Sample #	Size.	wet, Damp. Dry etc.	silt : clay, sand org.	Colour	# Frags	PPM
EM757	300ug.	Damp.	org. silt.	Pink. Pink purple pink purple purple purple blue purple blue blue green	1 2 3 4. 5. 6. 7. 8	
EM940	"	Damp.	Sandy silt.	purple blue blue green	1. 2. 3.	
EM942	"	Wet.	sl. sandy silt.	purple blue blue green.	1. 2. 3.	
EM944	"	Damp.	Sandy - shorg.	blue. green.	1 2.	
EM946	"	"	Sandy - org.	pink - purple. blue - purple. blue. blue - green.	1 2 3. 4.	
948	"	"	"	purple green - blue.	1. 2.	
949	"	Wet.	"	pink. purple. blue blue - green	1. 2. 3 4	
951.	"	"	"	blue. blue - green	1. 2.	
953.	"	"	Sandy. silt.	purple. blue blue - green	1. 2. 3.	
954	"	"	Sandy - fine silt.	blue - green.	1.	
760	"	"	sl. org.	purple. blue blue - green.	1. 2. 3	
759.	"	Damp. (soil)		blue. blue - green.	1 2.	

✓ 761 [?]	300 mg.	Damp	Organic silt.	purple. blue. blue-green.	1. 2. 3.
✓ 762 [?]	"	"	"	purple. blue. blue-green	1. 2. 3.
✓ 763 [?]	"	"	Organic silt.	purple. blue. blue-green	1. 2. 3.
1084	"	"	Sandy (soil.)	blue. blue-green.	1. 2.
✓ 1085 [?]	"	"	Sandy-shorg.	purple. blue blue-green	1. 2. 3.
1086.	"	"	fine sand.	green.	1.
1087.	"	"	sandy soil.	green.	1.
1088.	"	"	organic	blue. blue-green	1. 2.
✓ 1089 [?]	"	"	Sandy silt.	purple. blue blue-green.	1. 2. 3.

Sample #	Sample Size	Wet, damp, dry.	Silt, clay, sand org.	Color	# Rings	PPM
1397 (cont.)	300 mg.			purple	5	
	300 mg.	damp	sl. sandy silt	purple	6	
				blue-purple	7	
				blue	8	
1399	300 mg.	damp	sl. sandy silt	blue	9	
				blue	10	
				green-blue	11	
1399	"	damp	sl. sandy silt	green	1	
soil 1083	"	damp.	sandy soil	blue-green	1	
EM 931	"	Wet.	sandy silt.	Blue	1	
			"	green.	2.	
933	"	"	"	bluegreen	1	
EM 936	"	Wet	sandy silt	bluegreen	1	
935	"	Damp.	Sandy Soil.	blue purple	1	
				blue green	2	
938	"	Wet.	Sandy silt.	bluegreen	1.	
EM 747 ?	"	Wet.	Slight. org - silt.	pink purple	1	
				purple	2	
				blue green	3	
✓ 749	"	Wet.	Clay.	pink purple	1.	
				purple	2.	
				blue	3.	
				blue green	4	
751	"	Damp.	Sandy silt.	purple	1.	
				bluegreen	2.	
752	"	Damp.	Sandy silt.	purple	1.	
				blue	2.	
				blue green	3.	
✓ 753	"	"	Sandy silt.	pink purple	1	
				purple.	2.	
				blue	3	
				bluegreen	4.	
✓ 755	"	Damp.	org. silt.	pink.	1.	
				pink	2.	
				pink purple	3.	
				purple	4.	
				blue	5.	
				blue green	6.	
756	"	Damp.	sandy soil.	bluegreen	1.	
	"	Damp.	org. silt.		1.	

Archer + Cathro (53)
Empress

Aug. 19/66

Sample #	Size #	Wet damp dry	Description	No. of rings	color	P.A.M. T.A.M.
EM 866.	300ms.	damp	organic	1 2.	purple. blue-green	
EM 867	"	dry	sandy silt.	1	green.	
<u>EM 864</u>	"	"	vol. ash.	1 2 3. 4. 5.	red. purple. " blue. green-blue.	
EM 865	"	damp	organic	1. 2.	blue. green-blue.	
EM 868	"	"	sandy	1.	green.	
EM 869.	"	"	clay - silt.	1.	green.	
EM 874.	"	"	sandy.	1.	green.	
EM 875	"	"	sandy silt.	1.	green.	
EM 879	"	"	"	1.	green.	
EM 870	"	"	"	1.	green.	
EM 871	"	"	organic	1.	blue-green.	
EM 872	"	"	sandy silt.	1.	green.	
EM 873.	"	"	"	1.	green.	
EM 876.	"	"	sandy soil.	1.	green.	
EM 877	"	"	sandy silt	1.	green.	
EM 878	"	"	organic	1.	green.	
EM 880	"	"	sandy soil.	1.	green	
EM 881	"	"	"	1.	green.	
EM 882	"	"	sl. organic f ash	1.	green.	
EM 1490	"	"	organic silt.	1.	green.	
EM 1491	"	damp	sandy - slight org. silt	1	green	
EM 1492	"	dry	sandy silt	1	green	
EM 1493	"	dry	fine silt	1		

(54)

Archer & Cathro
Empress

Aug. 19/66

Sample #	Size	Wet, damp, dry	Description	# of rings	Colour	PPM THM
EM 1494	300 mg.	damp	sandy silt	1	green	
EM 1495	"	"	organic silt	1	blue-green	
EM 1496	"	"	sandy silt	1	green	
EM 1497	"	"	sandy silt	1	green	
EM 1498	"	"	sandy soil	1	green	
EM 1499	"	"	sandy soil	1	green	
EM 1600	"	"	brown soil	1	green	
EM 1601	"	"	slightly-org. volc. ash. silt	1	green	
EM 1602	"	"	organic silt	1	green	
EM 1603	"	"	slightly-org. sandy silt	1	green-blue	
EM 1604	"	"	organic-clay silt.	1	blue-green	
EM 1605	"	"	Fine silt	1	green	
EM 1606	"	"	Fine-sandy silt	1	green	
EM 1607	"	Wet	organic silt	1	green	
EM 1608	"	damp	fine sandy silt	1	green	
EM 1609	"	dry	sandy soil	1	green	
EM 1610	"	dry	fine sandy silt	1	green	
EM 1611	"	dry	Light brown soil	1	green	
EM 1626	"	wet	fine dark silt	1	green	
EM 1629	"	damp	sandy soil	1	green	
EM 1630	"	damp	organic silt.	1	green	
EM 1631	"	damp	organic silt	1 2 3 4 5 6 7	red. red-purple purple blue-purple blue blue green-blue	

(55)

Ircher + Cathro
Empress

Aug. 19/68

Sample #	Size	wet, damp, dry	Description	No. of Rings	Colour	RPM IHM
EM 764	300 mg	damp	sandy silt	1 2	blue green	
EM 765	"	"	fine organic soil	1	blue-green	
EM 766	"	"	"	1	green	

Archer & Cathro
Empress

Aug. 19/66

Sample #	Size	Wet, damp, dry	Description	No. of rings	colour	PPM TAM.
EM 1625	300 mg	damp	slightly-org, sandy silt	1	blue-green	
EM 1627	"	damp	volc. ash fine silt.	1 2	purple blue-green	
EM 1628	"	damp	fine org. silt. volc ash.	1	blue-green	
EM 1632	"	wet	fine organic silt.	1 2	blue green	
EM 1633	"	wet	fine organic soil	1 2 3 4 5 6 7 8 9 10	pink-red pink-red red-purple purple purple bluepurple blue blue green-blue	
EM 1634	"	damp	slightly org soil (volc. ash)	1	green	
EM 955	"	dry	fine silt soil	1	green	
EM 956	"	dry	fine soil	1	green	
EM 957	"	wet	fine silt	1 2 3	pink purple blue-green	
EM 958	"	dry	coarse-brown soil	1 2	purple green	
EM 962	"	dry	sandy soil	1	green	
EM 963	"	damp	slightly org. - sandy silt	1	green	
EM 964	"	damp	diesel fumes - fine soil.	1	green	
EM 965	"	damp	sandy silt	1	green	
EM 966	"	wet	fine organic silt (volc. ash)	1 2	purple green/blue	
EM 967	"	damp	soil - mucky-fine	1	green	
EM 968	"	dry	soil - coarse	1 2 3 4	purple purple blue-purple blue-green	

Sample #	300 ml. Size #	moisture, wet, damp, dry	Description	No. of Rings	Color	PPM T.H.M.
1612 ¹	300mg	dry	organic soil	1. 2. 3.	Red. grey blue green	
1613	"	"	sandy silt	1. 2.	Red. green blue	
1614	"	"	sandy silt.	1.	green	
1615	"	"	"	1. 2.	purple. green blue	
1616	"	"	Sandy silt.	1.	green	
1617	"	"	"	1.	green	
1618	"	"	slight org. silt.	1.	green	
1619	"	"	sandy silt.	1.	green	
1620	"	"	organic	1.	green blue	
1621	"	"	slight. org.	1.	green blue	
1622	"	"	"	1. 2.	Red. Blue green	
1623	"	"	Sandy silt.	1.	green.	
1624	"	"	sandy silt.	1	green	
1900	"	"	slight. org. silt.	1. 2.	pink purple green.	
1901	"	"	vol. ash org.	1. 2. 3.	purple green blue green	
1902	"	"	slight. org.	1.	green	
1903	"	"	Sandy. slight org.	1. 2.	purple green.	
1090	"	"	Sandy silt.	1	green.	
1091	"	"	Sandy silt.	1.	green	

Sample #	Size 300mg	Moisture damp, wet etc	Description	No of Rings	Colour	FPM
1092.	"	Damp.	Sandy soil.	1.	green.	
1093 1093	"	"	Sandy silt.	1.	green	
1094 1094	"	"	organic silt.	1.	green	
1095	"	"	Sandy silt.	1. 2.	purple green/blue	
1096	"	"	clay.	1. 2.	purple. green.	
1097	"	"	Sandy	1.	green.	
1098	"	"	slight org.	1.	green	
1099	"	"	W/lay & vol ash	1. 2.	purple green	
959	"	"		1.	green	
960	"	Dry.	Sandy soil.	1.	green	
961	"	"	Sandy soil	1.	green.	
890 ²	"	Wet.	slight org.	1. 2. 3.	pink purple purple. green.	
891	"	Wet.	"	2. 3.	purple. green/blue	
892	"	"	"	1. 2.	blue/purple blue/green	
893	"	"	"	1. 2.	purple. blue/green	
894	"	"	Sandy silt.	1.	green/blue.	
899	"	"	"	1.	green.	
883	"	"	slight org.	1. 2.	blue. green	
884	"	Damp.	Sandy soil.	1. 2. 3.	blue/green purple blue/green green.	
885	"	"	"	1.	green.	

Sample #	300mg.	moisture	Description	No of Rings	colour	PPM.
886?	300 mg.	wet.	clay + org.	1. 2. 3.	purple blue green.	
887	"	"	Slight. org.	1. 2.	purple. green blue.	
889	"	"	Sandy silt.	1.	green.	
1904	"	Dry.	Sandy soil.	1. 2.	purple blue greens	
1905	"	Dry.	"	1.	green.	
1906	"	"	"	1.	green.	
1907	"	Damp.	"	1.	green.	
1908	"	"	Slight. org.	1.	blue green	
1909	"	"	Sandy soil.	1.	green.	
1910	"	"	"	1. 2.	purple. blue green.	