APPENDIX 2 PHYSICAL AND CHEMICAL ANALYTICAL RESULTS

							×		Partic	le Size	Distrib	oution		est		Soil Pl	asticity			:5 Soil V Suspens		8) %							Exchan	66	ations			
		8	Number		шш	Content	*					_	H .			*	*		Juspete		(% & A	*			80	x 0			meq/100 ₂				001)	
Map Unit	Site Number	Grid Reference	Laboratory Nu	Horizon	Horizon Depth	Air Dry Water	Gravel >2mm	Coarse sand %	Fine Sand %	Silt %	Clay %	Total Fine Earth Emerson Dispersion	Emerson Dispe	Liquid Limit %	Plastic Limit %	Plasticity Index	inear Shrinkag	ЬН	EC 25 C ds/m	% U	Organic Carbon	Total Nitrogen	Available K ug/g	Available P ug/g	Ca++ meq/100g	Mg++ meq/100g	K+ meq/100g	Na+ meq/100g	Tot Ex. Bases	8/8n +++N	Mn++ ug/g	1+ теф/100g	20 20 27	
)ga	1099	291800 E		Al	0-100		19.0	50.0	27	12	7	96							0.007				239	2.9	3.6	1.2	0.6	0.1	5.5		~	-		
		5879700 N		A1 A2	100-170 170-300			50.0 50.0		11	8	5000						6.2		0.001			184	1.3	2.3	0.7	0.5	0.1	3.6					
				A2	300-500			47.0	28 29	11	9	98 100						6.2	0.030	0.001	0.60	0.05	163	0.5	1.1	0.4	0.4	0.1	1.9					
				В	550-900		11.0		26	14	12	98						6.1		0.001					1.0	0.6	0.5	0.1	2.2					
gb	1100	289200 E		Al	0-100		23.0	45.0	20	14	13	92							0.100															
0-		5876800 N		Al	100-170			43.0	24	17	12	96						5.2	0.130	0.004	3.90 1.80		391 369	3.3 1.9	5.0 1.0	0.9	0.8	0.1	8.4 2.8					
				A2	170-300			43.0	28	17	11	99						5.8		0.001	0.80	0.13	337	0.7	1.5	1.0	0.7	0.1	3.3					
				A2	300-590		8.0		46	15	14	117						5.9					2000		1.1	0.9	0.7	0.1	2.8					
				B2	590-900			33.0	20	13	34	100			-	222	10200	5.9							1.7	2.6	0.7	0.4	5.4					
				B2	900-1100		13.0							44.0	20.0	24.0	12.4	5.8	0.030	0.002														
gc	7	289000 E			0-90	1.9	16.0	33.0	43	19	5	100 E	3					5.6	0.050		7.18	0.27	205	1.9	6.1	2.0	0.4	<0.1	8.6	6	14	14.1		
		5873100 N			90-370	0.9	7.0	32.0	40	19	8	99 E	3					5.7	0.030		2.42	0.05	227	<1.0	1.7	0.9	0.5	<0.1	3.2	27	ব	5.6		
			91 0462	B21	370-610 610-1090	1.5	60	27.0	26	21	10	101 5		40.0	20.0								Victory)					No.		200	- AL	2.2		
			71 0402	D42	010-1090	1.3	0.0	27.0	35	21	18	101 E	3	40.0	30.0	10.0	6.0	5.6	0.030		2.07	<0.05	250	<1.0	1.8	1.6	0.6	<0.1	4.1	104	ব	9.0		
e	32	290700 E			0-150							E:	3(4)					5.5																
		5875300 N			150-470								3(4)					6.0																
			92 0110 92 0111		470-630 630-870							E:	3(2) 5a					6.0 5.0																
88	5	289300 E			0 - 220	1.1	2.0	56.0	27	8	۰								10.000.000		1601-001	7890				2020	22.22	2010	52.121	029	24	1000000		
00		5873800 N			220 - 500	0.3	5.0	46.0	41	10	4	100 E3						6.0				<0.05	104	<1.0	3.7	1.6	0.2	0.1 <1.0	5.6 2.6	12	14	10.8	1	
			01 0454		500+	0.3		50.0	37	11	1	99 E						6.3	0.010			<0.05	44	<1.0	0.6	0.4	0.1	<1.0	2.0	<5	0	1.9		
Ф	31	292100 E		A1	0-100													6.0																
		5877500 N		12	100-440													6.5																
				321	440-540													6.0																
			8	322	540-700													6.0																
re	34	287800 E 9	2 0124	1	0-250		15.0		*			E3	(3)					6.0																
		5861200 N																																
ь	13	288900 E 9	1 0485	11	0 - 200	7.1	<1.0	10.0	54	34	1	99 ES	c					5.4	0.060		7.86	0.49	220	4.2	3.6	1.8	0.5	0.1	60	201	28	39.0	4	
		5862400 N 9	1 0486	12	200 - 400	5.5	<1.0	6.0	54	38	2	100 E3						5.1	0.050		5.04	0.34	149	2.11	0.6	0.4	0.3	0.1	1.4	367	19	35.3	3	
			1 0487 1		400 - 900	4.6	18.0	6.0	52	34	8	100 E3							0.040		2.75	0.17	163	1.5	0.2	0.2	0.3	<0.1		258		30.3	3	
		CONCERNO	1 0488 I	3/C	900 - 1700	3.6	7.0	10.0	53	23	15	101 E3	l).					5.5	0.030		0.53	0.05	393	1.5	1.1	1.5	0.8	0.1	3.5	292	7	18.3	2	
c 1		284600 E		11	0-70		2.0	9.0	34	34	16	93						6.1	0.160	0.003	4.20	0.29	644	5.8	4.6	2.9	1.6	0.1	9.2				2	
		5862400 N		12	70-190		<1.0	9.0	31	38	21	99								0.001	1.20	0.09	343	0.8	1.9	1.9	0.8	0.1	4.7				1	
				321	190-300 300-600		1.0 <1.0	5.0 4.0	26 21	35 27	36 45	102 97		66.0	26.0	40.0	15.2			0.001	0.80	0.07	237	0.3	2.2 3.4	3.4	0.4	0.2	5.6 7.9				1	
				322	640-900		<1.0	7.0	26	25	43	101		66.0	26.0	40.0	16.4			0.001					4.0	4.0	0.4	1.3	9.6				1	
e	21	284400 E 9	1 0518 4	.1	0-150	1.4	<1.0	10.0	56	29	6	101 E3	(2)					5.0	0.170	0.011	2 17	0.12	164	, .	22	12	0.2	0.1	2.0	_	10	0.3		
		5861900 N 9			150-300	1.0	<1.0	8.0	60	26	7	101 E3							0.170	0.011		0.13	154	2.8	1.4	1.3	0.2	0.1	3.8	10	10	9.3 6.9	10	
			1 0520 E		300-500	1.4	<1.0	7.0	50	15		100 E3		27.0	16.0	11.0	7.0		0.050		0.70			<1.0	3.9	2.1	0.2	0.1	6.4	11	<5	5.6	12	
		9	1 0521 E	22	500950	5.1	<1.0	2.0	21	14		100 E3			37.0				0.045			0.05	125	<1.0	2.2	8.4	0.4	0.4	11.4	5	4	11.3	22	

						*		Partic	le Size	Distrit	ution			Soil Pl	asticity			5 Soil W		%							Exchan	zable Cı	tions			
		E	支		E	Content		Г				ion Test			*	*		Suspensie	on	(W & B)								теф/100				meq/100g
Map Unit	Site Number	Grid Reference	Laboratory Number	Horizon	Horizon Depth 1	Air Dry Water C	-2mm	Coarse sand %	Fine Sand %	Silt %	Clay %		Liquid Limit %	Plastic Limit %	Plasticity Index ?	inear Shrinkage	Hd	EC 25 C ds/m	d %		Total Nitrogen %	Available K ug/g	Available P ug/g	Ca++ meq/100g	4g++ meq/100g	C+ meq/100g	Va+ meq/100g	Tot Ex. Bases m	Al+++ ug/g	Mn++ ug/g	H+ meq/100g	Cat Ex Cap. me
Osb	28	291900 E 5875500 N		A1 A2 B21 B22	0-100 100-280 280-520 520-650		15.0 10.0 8.0 8.0			1000		E3(2) E3(2) E3(2) E3(2)						intri entri	1011	J											-	
Osc	3	284600 E 5873400 N		A2 B21	0 - 150 150 - 300 300 - 600 600+	1.9 1.7 2.9 2.5	24.0 58.0 4.0 30.0	9.0	63 60 32 36	18 10 12 9	9 17 48 46	101 E3 100 E3 101 E3 100 E3	44.0 44.0	30.0 32.0	14.0 12.0		4.9 5.2 5.6	0.080 0.050 0.050 0.030		3.47 1.26	0.29 0.12 <0.05 <0.05	220 160 186 131	3.6 1.5 <1.0 <1.0	3.9 1.4 0.1 <1.0	1.5 1.0 4.5 4.6	0.4 0.3 0.4 0.3	0.1 0.1 0.2 0.3	5.9 2.8 5.2 6.1	96 170 189 213	24 6 5	20.5 13.8 15.0 13.7	20.2
Osd	17		91 0503 A 91 0504 I	A2 B2	0 - 110 110 - 220 220 - 860 860 - 1210+	1.6 1.5 3.2 1.7	7.0 7.0 12.0 7.0	2.0 3.0	57 47 21 18	27 28 22 41	12 21 55 38	101 E3 98 E3 101 E5b 100 E5e	58.0	35.0	23	12.0	5.1 5.4	0.040 0.030 0.020 0.025		0.80 0.55	0.11 0.05 0.06 <0.05	76 63 93 51	<1.0 <1.0 <1.0 <1.0	1.3 0.4 0.5 0.1	0.8 0.5 2.9 2.6	0.1 0.1 0.2 0.1	<0.1 <0.1 0.1 0.1	2.3 1.1 3.7 2.9	134 224 251 185	444	12.7 10.8 16.3 14.5	20.0
Ose	725	266900 E 5866000 N	I	A 31 321 322	0-80 80-300 300-500 500-900		10.0 32.0 24.0 20.0	4.0 10.0 2.0	36 37 14	30 28 18	22 23 61	92 98 95					5.2 5.4	0.061 0.016 0.024 0.029	0.001 0.002	3.20 0.60	0.23 0.05	180 40	14.0 6.0	1.2 0.6 0.9	1.0 1.2 7.8	0.6 0.1 0.3	0.1 0.1 0.8	2.9 2.0 9.8				20.9 10.4 27.6
Osf	29			12 321	0-110 110-360 360-480 480-800							E3(1) E3(1) E3(2) E5					5.5 6.0 6.5 6.5															
Ong	1	284400 E 5871800 N		321	0 - 300 300 - 550 550 - 700	2.7 2.0 1.5	<1.0 2.0 14.0	5.0 9.0 14.0	45 41 42	30 24 21	21 26 23	101 E3 100 E3 100 E3	29	22	7	8	5.5 5.7 5.5	0.130		5.67 3.23 1.61	0.32 0.13 0.07	103 70 56	2.5 1.3 <1.0	1.4 0.7 0.3	4.0 3.4 2.3	0.2 0.2 0.1	0.7 0.5 0.3	6.3 4.8 3.0	75 81 52	000	21.0 15.7 4.0	27.3 20.5 7.0
Qn 1	39	277300 E 5865900 N		321 322	0-150 150-750 750+												6.0 6.0 6.0															
Qa2	6			121	0 - 50 50 - 180 180 - 300 300 - 600	2.7 1.6 1.6 2.1	<1.0 <1.0 <1.0 <1.0	8.0 3.0 3.0 2.0	39 37 26 12	38 43 33 32	16 19 39 55	101 E5a 102 E3 101 E2 101 E1	41.0 52.0	24.0 25.0	17.0 27.0			0.290 0.160 0.190 0.525	0.009 0.170	11.0 4.21 2.41 1.93	0.15 0.07		5.2 2.5 <1.0 <1.0	3.9 1.3 0.7 0.8	3.8 1.6 3.3 5.5	0.4 0.2 0.2 0.2	0.8 0.3 0.7 2.5	8.9 3.4 4.9 9.0	51 117 114 <5	62 6 5 5	24.3 14.0 9.5 5.9	33.2 17.4 14.4 14.9
l'ba	30	281200 E 5863800 N	92 0096 C A R		50-0 0-250 250+		0.0 <2.0					E3(3)					6.0 6.5															
Tbc	20	280900 E 5863300 N		21	0-150 150-300 300+	2.0 2.1 2.9	<1.0 <1.0 <1.0	2.0 4.0 4.0	41 37 39	48 45 42	10 13 14	101 E3 100 E3 99 E3	30.0 31.0	22.0 21.0	8.0 10.0	6.0	6.3	0.060 0.025 0.025			0.16 0.07 0.06	126 78 83	8.7 11.6 14.1	2.9 2.1 2.5	3.2 3.0 3.2	0.3 0.2 0.2	0.1 0.1 0.1	6.5 5.4 6.0	000	9 8 5	13.8 11.6 10.5	20.3 17.0 16.5
be	19			21 22	0-120	3.7 2.7 4.9 6.0	18.0 <1.0 <1.0 <1.0	11.0 3.0 3.0 6.0	44 34 26 32	30 38 33 22	14 24 36 41	99 E3 99 E3 98 E3 101 E3	43.0 49.0		19.0 19.0	12.0 16.0	6.7 6.1			2.03 1.01	0.39 0.16 0.10 0.07	701 705 234 54	26.0 10.3 11.3 6.8	15.6 6.6 4.1 2.5	6.8 3.9 4.0 4.2	1.3 1.5 0.6 0.2	0.1 0.1 0.2 0.5	23.8 12.1 8.9 7.4		21		38.8 23.5 24.2 25.4

The second		Grid Reference ın					*		Partic	le Size	Distrit	ution		Soil Plasticity					1:5 Soil Water Suspension									Exchan	gable Ca	ations			
Map Unit	Site Number		Laboratory Number	Henzon	Horizon Depth mm	Air Dry Water Content	Gravel > 2mm %	Coarse sand 1/4	Fine Sand %	Sult %	Clay %	Total Fine Earth Emerson Dispersion Test	Liquid Limit %	Plastic Limit %	Plasticity Index %	Linear Shrinkage %	Н	EC 25 C da/m	% D	Organic Carbon (W & B)	Carbon (W & trogen %	Available K ug/g	Available P ug/g	Ca++ meq/100g	Mg++ meq/1998	K+ meq/100g	Na+ meq/100g	Tot Ex Bases meq100	Al+++ uµ'g	8/gn ++ ug/g	H+ meq/1008	Cat Ex. Cap, men/10/2	
ъг	1123	285500 E 5866100 N		AI B B	0-100 100-200 220-300 300-600 600-810		37.0 14.0 33.0 60.0 53.0	7,0 6,0 6.0 10.0 6,0	36 38 40 36 34	32 41 38 39 37	20 13 15 14 23	95 98 99 99 100			and the same		6.5 5.9 5.9 6.3 6.3	0.033 0.028 0.027	0.001 0.001	2.90 1.80 1.50		255 114 98	4,7 1,7 1,4	3.4 2.4 2.1 1.6 2.3	3.9 2.7 2.5 2.6 5.0	1.4 0.7 0.8 0.4 0.7	0.2 0.7 0.2 0.3 0.5	8.9 6.5 5.6 4.9 8.5			53.0 64.0 58.0 52.0 45.0	71 6. 54	
bg	38	286100 E 5871500 N		A2 B21 B22	0-230 230-350 350-520 520-700 700-1500							E3(2) E3(5) E3(6) E5					6.0 7.0 7.0 7.0 6.0																
va	9	290300 E 5864800 N	91 0468	٨	0-100	0.2	33.0	5.0	51	41	3	100 E3(2)					5,1	0.040		6.34	0.59	128	4.5	2.0	0.6	0.3	0.1	3.0	134	17	33.9	34	
t	37	290200 E 5864600 N		A2	0-170 170-370 370-450							E3(2) E3(4) E3(4)					6.0 6.0 6.0																
ve	10	290300 E 5864900 N		A2 B21	0-180 180-300 300-550 550-700	2.6 1.8 1.3 1.6	<1.0 5.0 <1.0 <1.0	1.0 3.0 2.0 1.0	39 45 48 50	49 51 43 42	5 3 10 10	E3 E3 E3	28,0 31,0	26.0 26.0	2.0 5.0	3.0 4.0	5.6 5.7	0.130 0.130 0.050 0.040		3.71 1.93 0.51 0.28	0.23 0.14 0.05 <0.05	420 288 223 241	2.7 1.6 <1.0 1.9	8.8 4.2 1.0 1.1	3.9 2.5 2.0 2.7	0.8 0.6 0.5 0.6	0.1 0.1 0.1 0.1	13.6 7.4 3.6 4.5	<5 9 28 19	26 34 16 9	14.8 12.1 6.3 6.6	1	
æ	11	290300 E 5865200 N		A2 B21	0-180 180-450 450-790 790+	3.4 0.8 0.8 1.4	<1.0 8.0 9.0 10.0	1.0 1.0 1.0	33 46 47 42	49 54 52 48	17 2 3 12	E5a E3 E2 E3	33.0	22.0 23.0	10.0	2.0 6.0	5.3	0.190 0.050 0.030 0.040	0.010		0.08	292 210 170 220	4.3 1.3 <1.0 <1.0	8.5 0.4 0.1 <0.1	4,4 1.0 1.3 3.9	0.6 <1.0 0.3 0.5	0.1 0.3 0.1 0.2	13.6 2.6 1.8 4.7	35 79 43 8	67 ぐ5 ぐ5	25.4 6.6 4.8 6.3	3	
vſ	23	283700 E 5866100 N		B2	0 - 220 220 - 410 410 - 510	2.1 1.7 2.0	39.0 33.0 54.0	8.0 7.0 8.0	37 39 43	45 41 39	12 14 11	102 E3 101 E3 101 E3	28.0	23.0	5.0	5.0	5.7 5.7 6.0			1.16	0.16 0.06 0.05	525 468 600	15.4 6.0 4.5	4.4 2.9 3.6	2.1 1.8 2.3	1.0 1.1 1.4	<0.1 <0.1 0.1	7.6 5.9 7.4	7 11 <5	15 12 9	12.6 8.0 8.0	20 13 13	
y _k	25		91 0531 I 91 0532 I	321 322	0 -250 250 - 500 500 - 680 680 - 1000+	2.8 5.3	<1.0 6.0 <1.0 <1.0	3.0 22.0	40 44 21 30	31 30 16 17	25 22 42 42	98 E3 99 E3 101 E3 100 E3	37.0	23.0	14.0	9.0	5.8 6.9		0.010	1.61	0.31 0.13 0.13 0.74	112 59 94 91	15.0 4.6 1.8 2.8	10.9 5.9 11.5 13.7	5.3 4.9 15.3 19.8	0.3 0.2 0.3 0.2	0.2 0.2 1.4 2.2	16.7 11.2 28.5 35.9	1 ひ ひ	2000	27.7		
th	40	283900 E 5868000 N	I	N 321 322	0-50 50-500 500-2000							E3(2) E3(2) E3(2)					7.0 8.0 8.0																
o	24			121	0 - 100 100 - 430 430 - 700 700 - 850+	0.7 0.5 0.5 3.9	<1.0 <1.0 <1.0 <1.0	6.0 7.0 5.0 3.0	73 70 71 35	16 20 18 9	5 4 7 53	100 E5a 101 E3 101 E5a 100 E5a	59.0	26.0	33.0		5.3 3.9	0.030		1.12 0.55 0.13 0.48	<0.05 <0.05	49 78 80 135	2.4 1.2 <1.0 <1.0	0.4 0.4 0.4 0.5	0.3 0.5 1.0 8.4	0.1 0.2 0.2 0.4	0.1 <0.1 <0.1	0.9 1.2 1.7 10.3	76 41 6 55	0000	7.3 4.4 2.4 11.4	8 5 4 21	