Cation Exchange Capacity		20.2 13.1 9.2 16.9 22.7	16.1 9.1 15.1 6.0 15.2	52.6 52.1 36.0	23.4 18.5 17.9 17.6	26.9 23.2 21.3 22.9	29.2 27.5 26.4 25.2 25.2
Exchangeable H+ meq/100g		11.6 5.8 3.0 3.9 4.4	11.6 6.3 8.2 <0.1 10.8	43.5 43.7 23.8	11.7 8.2 7.8 7.3	15.2 14.4 8.7 8.7	10.8 6.3 5.8 5.8 5.7
sases	Total Exchangeable B	8.6 7.3 6.2 13.0 18.3	4.5 2.8 6.9 6.0 4.4	9.1 8.4 12.2	11.7 10.3 10.1 10.3	8.8 12.6 14.2	18.4 21.2 20.6 19.4 20.0
es	K+ meq/100g	0.2 0.1 0.1 0.1	0.3 0.2 0.5 0.5 0.4	2.3	0.4 0.1 0.1	0.9 0.3 0.2 0.2	0.8 0.3 0.2 0.2 0.1
Exchangeable Bases	Na+ meq/100g	0.7 0.7 0.7 1.9 3.1	0.2 0.2 0.3 0.2	0.4	0.3 0.3 0.4 0.5	0.7 0.3 0.2 0.3	0.4 0.7 0.6 0.7 0.7
nangeal	Mg++ meq/100g	2.9 2.5 2.4 5.7 8.2	1.4 1.1 3.5 3.4 2.9	2.0 1.9 3.5	4.0 4.2 4.3 6.3	3.0 2.3 5.6 6.0	4.6 6.2 6.2 6.0 6.0
Excl	Ca ++ mcq/100g	4.8 4.0 3.0 5.3 6.9	2.6 1.3 2.6 1.9 0.9	4.4 4.1 6.6	7.0 5.7 5.3 5.4	7.1 5.9 6.6 7.7	12.6 14.0 13.6 12.5 12.6
පි/සිr	Exchangeable Mn++ u	21.6 5.0 5.0 5.0 5.0	34.4 9.0 2.0 1.0	30.7 22.0 <5.0	24.1 <5.0 <5.0 <5.0	54.6 35.5 7.4 <5.0	19.7 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0
වි/විt	u +++IA əldsəgnsdəxI	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	26 10 19 86 279	76 154 <\$	\$ \$ \$ \$	& = $&$ $&$	$\wedge \wedge \wedge \wedge \wedge \wedge$
	g\gu q əldaliavA	7.7 6.5 9.7 <1.0	3.1 <1.0 <1.0 <1.0	10.2 5.8 2.1	4.6 6.1 4.7 5.0	7.1 3.0 7.8	23.9 71.4 68.4 60.9 30.3
	g\gu X əldaliavA	71 38 25 29 30	106 95 176 157	834 543 347	136 41 49 64	350 123 43 35	269 94 69 59 56
	7 Total Nitrogen	0.27 0.12 0.05 0.06 0.05	0.21 0.08 0.05 <0.05	1.14 0.77 0.29	0.19 0.07 0.05 0.05	0.35 0.22 0.09 0.07	0.21 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05
% t	Oxidizable Org. Carbor	4.02 (1.94 (1.12 (	3.54 (1.21 (0.54 (0.38 < 0.31 <	9.57 ( 2.94 (	2.51 (0.92 (0.92 (0.77 (0.62 (	5.35 (3.44 (0.98 (	2.49 (0.60 < 0.44 < 0.36 < 0.38 < 0.38 <
	% IO		., - 0 0 0	_ 5, (4	(1000	47 (17 0 0	(4 0 0 0 0
Water	EC qg/m	0.17 0.10 0.07 0.14 0.20	0.05 0.06 0.05 0.03	0.19 0.23 0.08	0.09 0.05 0.04 0.09	0.15 0.10 0.02 0.02	0.09 0.09 0.06 0.06 0.06
1:5 Soil Water Suspension	ph CaCl2	5.3 5.8 5.8 5.8 6.3	4.4 4.4 6.7 7 7 4.4 7 7 9 1 9 1 9	4.5 (4.5 (5.1 (5.1 (5.1 (5.1 (5.1 (5.1 (5.1 (5	5.6 5.8 5.8 5.8	4.8 (4.5 (5.3 (5.5 (6.5 (6.5 (6.5 (6.5 (6.5 (6.5 (6.5	5.5 (6.4 (6.4 (6.5 (6.5 (6.5 (6.5 (6.5 (6.5 (6.5 (6.5
-	OZH Hq	5.6 6.5 7.2 7.2 7.2	5.5 5.8 5.8 5.7 5.7	5.3 5.2 6.1	5.8 6.6 6.8 6.9	5.9 5.3 6.4 6.8	6.4 7.0 7.4 7.4 7.6
S	Linear Shrinkage %	7	15	9	10	41	∞
Atterberg Limits	Plasticity Index %	6	29	∞	18	Ξ	15
erberg	Plastic Limit %	20	22	41	22	35	36
Αtt	% 3imid biupid	29	50	50	40	47	51
	Emerson Class	E5D E3(1) E2(1) E2(2) E2(3)	E3(1) E3(2) E5D E6 E6	E5C E5C E5C	E3(1) E3(4) E3(4) E3(3)	E5C E5B E3(1) E3(4)	E3(1) E5B E5A E5B E3B
	% mm 4√0.0> səni∃	89	70	72	72	82	78
u u	Total Fine Earth %	98 102 98 99	104 99 97 97	90 95 99	98 101 102 101	99 101 102 101	103 99 102 102 101
Particle Size Distribution	Clay %	20 16 14 26 34	24 16 50 56 57	12 15 20	26 36 34 38	25 26 40 40	23 22 20 20 18
e Dist	% માંડ	20 21 22 15 14	14 10 8 8	31 40 34	24 18 21 19	33 35 28 26	42 38 41 38 30
cle Siz	Fine Sand %	36 53 56 47 44	25 28 17 15	37 33 32	35 32 33 32	35 34 30 30	27 32 32 38 44
Parti	Coarse sand %	01 10 6 8	40 37 21 18	111 6 13	£1 4 1 £1	2 9 4 4	11 8 8 6
	% mm2 - č7.4 ləvrə	abla  abl	24 30 18 32 36	01 09 9	2 44 47 38	$\triangle \bowtie \triangle \triangle$	4 4 4 9 32
Air Dry Water Content %		2.97 1.93 1.51 3.09 4.37	1.21 0.50 2.35 2.56 3.30	9.53 9.99 8.90	4.57 6.23 6.33 5.55	5.04 4.27 6.26 6.71	3.94 5.03 5.15 5.03 4.38
		_	90 230 425 570 980	60 275 550	185 690 905 1400	45 270 680 1100	240 605 760 980 1300
	Horizon Depth mm	180 338 610 825 1020	0 21 4 20 2				
	Horizon Horizon Depth mm	A11 180 A12 338 A3 610 B21 825 B22 1020	A1 9 A2 22 B21 45 B22 57 B23 98	A1 A3 BC	A1 B21 B22 B3	A11 A12 B21 B22	A1 B21 B22 B23 B3
				930223 A1 930224 A3 930225 BC	930186 A1 930187 B21 930188 B22 930189 B3	930190 A11 930191 A12 930192 B21 930193 B22	930231 A1 930232 B21 930233 B22 930234 B23
	nozinoH	A11 A12 A3 B21 B22	A1 A2 B21 B22 B23				
	Гарогаtогу <i>Мит</i> ъъсг	R4 930194 A11 R4 930195 A12 R4 930196 A3 R4 930197 B21 R4 930198 B22	930573 A1 930574 A2 930575 B21 930576 B22 930577 B23	R9 930223 R9 930224 R9 930225	930186 930187 930188 930189	930190 930191 930192 930193	930231 930232 930233 930234 930235

Particle Name   Particle Nam			204960	168748	<u> </u>	6 + 9 8 3	9 2 2 8	1 % 4 2
Particle Nava Distribution	Cation Exchange Capacity		24.5 19.0 6.4 10.6 22.9 51.0				20.6 11.6 7.7 14.5	
New York   1965   196	Exchangeable H+ meq/100g		18.6 15.4 15.4 4.2 6.7 11.6	23.1 15.7 13.8 11.4 10.3	14.4 10.7 6.6	13.2 6.6 4.6 3.8 6.9	8.3 8.3 6.0 9.7	15.5 5.5 9.0 6.3
Number   Part   Particle Size Distribution	sases	Total Exchangeable B	5.9 3.6 2.2 3.9 11.3 32.4	17.0 17.6 25.7 32.3 37.1 42.1	9.3 9.2 8.0	3.1 2.2 2.3 2.3 2.6 8.7	6.2 3.3 1.7 4.8 6.9	5.6 2.8 8.4 6.9
Marchey Lange   Marchey Lang	ses	K+ meq/100g	0.6 0.2 0.2 0.7 0.9 0.9	0.4 0.1 0.2 0.2 0.2	0.6	0.5 0.1 0.2 0.3 0.5	0.4 0.3 0.5 0.5	0.5 0.5 0.5 0.4
Marchey Lange   Marchey Lang	ıble Ba	Na+ meq/100g	0.3 0.1 0.4 1.3 5.3	1.1 0.5 0.9 1.8 2.5 2.9	0.3	0.1 0.1 0.1 0.3	0.1 0.2 0.2 0.2	0.3 0.2 0.6 0.5
Marchey Lange   Marchey Lang	hangea	g001/psm ++gM	1.6 1.0 0.7 1.7 6.9	6.7 7.5 14.5 18.4 20.1	3.7	0.7 0.4 0.4 0.6 5.1	1.4 0.9 0.7 2.9 4.8	1.5 0.9 4.4 4.0
Particle Size Distribution   Autorizon Depth mmn   Li Sali Water   Linear Shrinking   L	Exc	Ca ++ meq/100g	3.4 2.3 1.2 1.1 2.2 4.3	8.8 9.5 10.2 11.9 14.3	5.6 5.2 4.0	1.8 1.6 1.6 2.8	4.3 2.0 0.5 1.2 1.4	3.4 1.2 2.9 2.0
Puritie Size Distribution	3/3n	Exchangeable Mn++	32.4 9.5 <5.0 11.2 6.5	41.3 26.5 <5.0 <5.0 <5.0	9.2 <5.0	30.4 11.1 <5.0 <5.0	20.5 <5.0 <5.0 <5.0 <5.0	16.4 <5.0 <5.0 <5.0
Particle Size Distribution	ිි නි	Exchangeable Al+++	37 78 18 55 88 88	\$ \$ \$ \$ \$ \$ \$	o	72 35 24 17 5	6 % ± 8 %	e & & & &
Suppression		g\gu q əldaliavA	8.0 3.6 41.0 2.2 41.0	5.2 2.4 2.4 5.1.0 5.1.0	3.0 2.1 <1.0	0.4.0 0.1.0 0.1.0 0.1.0	2.2 6.1.0 7.1.0 7.1.0	2.4 <1.0 <1.0 <1.0
Silic   Zummber   Congress small   Silic   Size   Distribution   Congress small   Silic   Zummber   Congress small   Silic   Zummber   Congress small   Silic   Zummber   Congress small   Size   Si		g\gu X silable K	254 81 74 299 302 167	145 45 51 64 50 65	233 56 38	184 81 107 145 178	158 107 119 181 202	167 200 195 140
Silic   Zummber   Congress small   Silic   Size   Distribution   Congress small   Silic   Zummber   Congress small   Silic   Zummber   Congress small   Silic   Zummber   Congress small   Size   Si		% nagorii/ IstoT	0.40 0.22 <0.05 <0.05 0.05 0.06	0.53 0.22 0.19 0.10 0.06	0.34 0.19 0.15	0.24 0.07 :0.05 :0.05	0.16 0.07 :0.05 :0.05	0.15 <0.05 <0.05 <0.05 <0.05 <0.05
Sign   Watter   Sign	% u	Oxidizable Org. Carbon	· · · ·	<b>v</b>		* * *	* * *	
Sile Number   Coarse sand %		% IO					.,	,, , ,
Sile Number   Coarse sand %	Water	EC qg/m	0.08 0.02 0.09 0.09 0.08	0.17 0.05 0.06 0.12 0.09	0.09 0.03 0.04	0.05 0.04 0.03 0.03	0.07 0.07 0.06 0.05 0.03	0.08 0.04 0.08 0.09
Sile Number   Coarse sand %	:5 Soil Suspe	ph Cacl2	2, 4, 4, 4, 4, 2, 4, 4, 8, 4, 0, 4, 0, 4, 0, 4, 0, 4, 0, 4, 0, 4, 4, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6,	5.0 5.5 5.8 6.1 6.3	4.6 4.7 5.0	4.3 4.6 4.8 4.8 5.4	4.8 5.1 4.8 4.8 5.3	5.0 5.1 5.3 5.3
Silie Aummber   Particle Size Distribution   Particle Size Distribution   Altrerberg Limits   Aummber	_	Hq	5.5 5.4 5.5 5.9 5.9 5.6	5.8 6.2 6.7 6.9 7.4 7.4	5.6 5.9 6.2	5.2 5.4 5.6 5.9 6.1	5.7 6.0 5.7 5.8 6.1	6.0 6.2 6.1 6.0
Richard Line Particle Size Distribution   Particle Size Distribution   Coarse sand %   Air Dry Water Confern %   Air Dry Water W	its	Linear Shrinkage %	13	19	7	-	10	13
Richard Line Particle Size Distribution   Particle Size Distribution   Coarse sand %   Air Dry Water Confern %   Air Dry Water W	g Lim	Plasticity Index %	25 51	40	13	$\overline{\vee}$	==	7
Richard Line Particle Size Distribution   Particle Size Distribution   Coarse sand %   Air Dry Water Confern %   Air Dry Water W	tterbe	Plastic Limit %	18	34	22	20	25	33
Sile Number   Sile Number   Sile Number   Sile Number   Sile Number   Sile Number   Laboratory Number   Horizon   Sile Number   Sile Sile N	_ <	% 1imid biupid	42 76	74	35	21	36	40
Silite Number   Particle Size Distribution   Particle Size Distribution   Silite Number   Laboratory Number   Content %   Horizon Depth mm   Horizon Depth Miles 930218   A21   A21   A22   A23   A22   A23   A23   A24   A2		Emerson Class	E5C E5B E3(1) E2(1) E1	E3(1) E3(2) E3(1) E5A E3(1) E3(2)	E3(1) E3(2) E3(2)	E3(1) E3(1) E3(1) E3(1) E6	E3(1) E3(1) E5B E5C E5C	E3(1) E2(1) E5D E6
Silie Aumber   Silie Aumber   Silie Aumber   Silie Aumber   Silie Aumber   Silie Aumber   Alir Dry Water Content %   Alir Dry Water Content %   Silie Alir Dry Water Content %   Silie Alir Dry Water Content %   Silie Alir Bis Silie Ali Silie Alir Bis Silie Ali Silie Alir Bis Silie Ali		% mm 470.0> səni I	88	8	69	71	61	57
RI 930189 All 1 Sirie Number RI 930189 All 35 447 All 100 200 8 11.17 2 12 2 12 2 12 2 12 2 12 2 12 2 1	uc	Total Fine Earth %	96 100 101 88	93 100 100 100 101	96 102 101	97 102 100 101 100	97 98 97 98	97 100 98 99
RI 930189 All 1 Sirie Number RI 930189 All 35 447 All 100 200 8 11.17 2 12 2 12 2 12 2 12 2 12 2 12 2 1	tributi	Clay %	20 20 17 43 68	38 31 62 74 72 58	22 18 16	9 8 9 9 4 5 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5	11 12 13 37 46	12 12 34 30
RI 930189 All 1 Silie Number RI 930189 All 1 Silie Number RI 930189 All 35 4.47 All 100 Silie Number RI 930189 All 35 5.79 2 12 2 2 300278 All 1 Silie Number RI 930189 All 35 4.47 All 10.2 66 0.04 1 1 1 2 5 5.79 2 1 1 2 2 300278 All 1 Silie Number RI 930220 B22 B3 990 15.97 1.2 2 1 2 2 300578 All 1 Silie Number RI 930238 All 1 Silie Number RI 930239 All 1 Silie Number RI 930278 All 1 Silie Number RI 930278 All 1 Silie Number RI 930279 All 1 Silie	ize Dis	% 1I!S	32 31 26 26 11	27 32 18 11 11 16	22 29 26	32 33 33 36 24	13 13 9 8	15 8 9
RI 930189 All 1 Silie Number RI 930189 All 1 Silie Number RI 930189 All 35 4.47 All 100 Silie Number RI 930189 All 35 5.79 2 12 2 2 300278 All 1 Silie Number RI 930189 All 35 4.47 All 10.2 66 0.04 1 1 1 2 5 5.79 2 1 1 2 2 300278 All 1 Silie Number RI 930220 B22 B3 990 15.97 1.2 2 1 2 2 300578 All 1 Silie Number RI 930238 All 1 Silie Number RI 930239 All 1 Silie Number RI 930278 All 1 Silie Number RI 930278 All 1 Silie Number RI 930279 All 1 Silie	ticle S	Fine Sand %	38 35 35 24 16	23 24 11 11 16	38 39 38	52 52 49 37	2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	45 48 26 35
RI 930189 All 35 447 RI 930189 All 35 447 RI 930189 All 35 447 RI 930181 Al2 155 5.79 RI 930181 Al2 155 5.79 RI 930182 A21 350 1.92 RI 930182 A21 350 1.92 RI 930184 Bl 730 8.17 RI 930185 A21 155 5.79 RI 930185 A21 155 5.79 RI 930187 Al 150 6.04 RI 930278 Al 110 2.66 RI 930278 Al 110 2.66 RI 930238 B21 460 1.73 RI 930238 B21 450 0.81 RI 930238 B21 450 0.81 RI 930237 Al 250 1.32 RI 930277 Al 250 1.32 RI 930277 Al 250 1.32 RI 930278 Al 110 2.66 RI 930277 Al 250 1.32 RI 930278 Al 110 2.66 RI 930277 Al 250 1.32 RI 930278 Al 110 2.66 RI 930277 Al 250 1.32 RI 930278 Al 110 2.66 RI 930277 Al 130 2.56	Par	Coarse sand %	6 14 20 17 3	5 7 7 6 6	13 15 21	6 8 9 8 5	29 31 30 26 19	26 26 30 25
RI 930189 All 35 RI 930189 All 35 RI 930189 All 35 RI 930181 Al2 155 RI 930181 Al2 155 RI 930181 Al2 155 RI 930182 A21 350 RI 930184 Bl 260 RI 930184 Bl 260 RI 930185 A2 810 RI 930185 A2 810 RI 930185 A2 810 RI 930187 Al 110 RI 930257 Al 110 RI 930277 Al 220 RI 930277 Al 220 RI 930277 Al 220 RI 930277 Al 110 RI 930278 A2 400 RI 930277 Al 130		% mm2 - ¿7.4 ləvrə	2 12 76 63	\( \text{\lambda} \) \(	22 31 43	$ \  \   \triangle \  \   \triangle \  \   \triangle \  \   \triangle $	4 ~ △ △ △	△ ω ω 4
Site Number  R1 930180 A111 R1 930183 A22 R1 930183 A22 R1 930184 B1 R1 930183 A22 R1 930184 B21 R1 930184 B21 R2 930210 B221 R8 930219 B21 R8 930219 B21 R8 930219 B21 R12 930236 A11 R12 930236 A11 R12 930236 A11 R12 930237 A12 R12 930239 B22 R14 930276 A11 R14 930276 A11 R14 930277 A12 R14 930272 A1 R2 930273 A2 R2 930278 A2 R2 930279 B2 R2 930279 B2 R2 930279 B2 R2 930276 A11 R2 930276 A11 R2 930276 A11 R2 930277 A12 R3 930277 A12	Air Dry Water Content %		4.47 5.79 1.92 8.17 11.17	8.79 6.04 10.24 14.14 14.66 15.97	2.66 1.83 1.73	1.52 1.32 0.81 5.92 6.04	2.66 1.42 1.11 4.05 6.38	2.56 1.01 6.37 5.15
Sile Number  RI 930183  RI 930184  RI 930187  RI 930187  RI 930187  RI 930187  RI 930187  RI 930187  RI 930217  RI 930237  RI 930277		Horizon Depth mm	35 155 350 610 730 825	60 260 520 810 915 990	110 320 460	85 250 450 700 1300	110 220 400 610 810	130 520 850 1500
Sile Number S		noziroH	A11 A12 A21 A22 B1 B2	A1 B1 B21 B22 B23 B3	A1 B2 B3	A11 A12 B21 B22 B3	A11 A12 A2 B2 B3	A1 A2 B2 B3
Sile Number S		Гарогаюту Литрег	930180 930181 930182 930183 930184	930217 930218 930219 930220 930221	930578 930579 930580	930236 930237 930238 930239 930240	930276 930277 930278 930279 930280	930272 930273 930274 930275
		Site Number	1					
		inU qeM	(Abg (Abg (Abg (Abg (Abg (Abg (Abg (Abg	Qbh Qbh Qbh Qbh			Dgal I Dgal I Dgal I Dgal I	Dgbl l Dgbl l Dgbl l Dgbl l

	_	7 3 6 6	7 - 2 - 2	6 - 6	2.2.2	2 4 8 9 4
Cation Exchange Capacity		32.6 5 22.6 17.3 13.7	8.1 8.1 8.5 5.3 6.0 12.1		26.7 7 15.2 9.6 12.5	51.5 42.2 32.4 32.8 32.6 32.6 24.4
Exchangeable H+ meq/100g		26.6 16.6 11.1 8.0	12.5 7.7 7.9 4.7 4.6 8.5	22.2 10.4 5.4	21.1 12.7 7.6 7.8	31.9 29.5 24.1 20.9 25.9 16.9
Total Exchangeable Bases		6.0 6.0 6.2 5.7	1.2 0.4 0.6 0.6 1.4 3.6	2.7 1.7 2.6	5.6 2.5 2.0 4.7	19.6 12.7 8.3 7.9 6.7
ses	$g001/psm \ + M$	0.7 0.8 0.9	0.2 0.1 0.1 0.2 0.2	0.4	0.5 0.3 0.2 0.5	1.7 1.4 0.7 0.8 0.9
Exchangeable Bases	Na+ meq/100g	0.2 0.2 0.2 0.1	<pre>&lt;0.1 &lt;0.1 0.1 0.1 0.2 0.5</pre>	0.2 0.5 0.3	0.4 0.2 0.2 0.2	0.3 0.2 0.2 0.2 0.2
change	Mg++ meq/100	2.2 2.3 2.9 2.4	0.5 0.2 0.3 0.3 1.0 3.0	1.4 0.8 1.4	1.3 0.7 0.7 2.4	5.9 4.1 2.7 2.9 2.2 3.5
Exc	Ca ++ meq/100g	2.9 2.3 2.3	0.5 0.1 0.1 <0.1 <0.1	0.7 0.1 0.5	3.4 1.3 0.9 1.6	11.7 6.9 4.7 4.0 3.4
ਡੋ/ਡੋn ++uJ⁄	Exchangeable N	13.1 7.3 <5.0 <5.0	\$\langle \cdot \cd	11.3 \$5.0 \$5.0	34.9 6.1 1.0 <\$.0	7.6 12.9 7.4 5.3 8.5 <5.0
ਡੋ/ਡੋn +++[	A sldssgnsds A	04 0	122 123 111 73 109 380	254 174 77	50 33 26 <5	\$\frac{19}{47}\$
S.	g\gu q əldaliavA	0.1 0.1 0.1 0.1 0.1 0.1 0.1	2.2 2.2 61.0 61.0 61.0	3.4 <1.0 <1.0	2.0 <1.0 <1.0	3.3 2.0 2.0 6.1.0 6.1.0 6.1.0
Ģ.	Available K ug/g	259 308 294 271	74 55 54 43 59 35	141 121 149	205 130 122 172	610 445 272 297 283 129
%	negortiV latoT	0.20 0.08 <0.05 <0.05	0.14 0.07 0.05 <0.05 <0.05	0.23 0.05 <0.05	0.27 0.12 0.06 0.05	0.51 0.38 0.20 0.16 0.18 0.06
Carbon %	Oxidizable Org.	4.03 1.77 0.83	2.43 1.61 0.96 0.57 0.45	5.01 1.52 1.11	6.57 2.85 1.31 0.60	9.55 6.01 2.95 1.90 2.66 0.91
	CI %					
1:5 Soil Water Suspension	EC dS/m	0.04 0.03 0.08 0.03	0.03 0.02 0.02 0.02 0.02	0.08	0.13 0.06 0.05 0.07	0.11 0.05 0.03 0.03 0.03
Suspe	pH CaCl2	5.0 5.3 5.4 5.4	4 4 4 4 4 4 1. £ £ 4 £ 5	3.8 4.4 4.6	4.6 4.7 4.7 4.7	5.3 5.0 6.4 9.9 6.9
	Hq	6.2 6.4 6.1 6.3	5.3 5.5 5.5 5.8 5.7	4.8 5.3 5.7	5.6 5.8 5.9 6.0	6.2 6.2 6.2 6.2 6.1
its % 9	Linear Shrinkag	10	4 41	3	Ś	10
Atterberg Limits	Plasticity Index	18	4 72	9	∞	14
tterber	Plastic Limit %	25	15 20	21	21	35
A S	% 1imiJ biupiJ	43	19	26	29	49
	Emerson Class	E5C E5B E6 E6	E3(1) E3(1) E3(2) E3(2) E5B E5B	E3(1) E3(1) E3(1)	E5D E5C E3(1) E5C	E5D E3(1) E5B E5C E5C E5C E5C
% u	īm 470.0≥ səni∃	65	58	56	47	83
u	Total Fine Earth	99 99 100	99 100 99 99 98	94 96 100	97 98 99 98	99 100 99 98
tributi	Clay %	33 33	10 8 9 9 15 37	14 13 17	1	10 13 28 34 26 44
ze Dis	% IIIS	21 41 41 41	12 12 12 13 7	18 19 19	18 16 16 14	36 33 33 32 33 23
Particle Size Distribution	Fine Sand %	30 30 30 28	38 40 40 41 37 25	44 34 35	22 23 24 15	37 34 31 35 29
Par	Coarse sand %	22 22 25 25	39 37 38 38 34	18 31 29	44 42 72	10 10 6 4 6 6 6 7
% mm2 - 27.4 levrið		2 32 45 11	2 △ △ ∞ − △	18 17 37	13 12 28	22 2 2 4 4 6 \rangle
Air Dry Water Content %		9.03 4.28 3.20 5.13	1.42 0.50 0.70 0.10 0.60 2.98	2.52 1.01 1.21	2.66 1.93 1.01 3.40	8.46 7.40 5.36 5.58 6.48 6.27
Horizon Depth mm		375 680 745 995	100 180 270 610 980 1250	85 320 520	120 280 420 670	140 240 380 720 990 1400
nozinoH		2A 2B1 2B2 2B2 2B3	A10 A11 A12 A13 A3 B21	A1 B1 B2	A11 A12 B2 B3	A10 A11 A3 B11 B12 B2
Гарогатогу Литрег		930281 930282 930283 930284	930290 930291 930292 930293 930294	930302 930303 930304	930581 930582 930583 930584	930296 930297 930298 930299 930300
	Site Number			0 0 0		∞ ∞ ∞ ∞ ∞ ∞
	Site Number	R15 R15 R15 R15	R17 R17 R17 R17	R19 R19 R19	R23 R23 R23 R23	R18 R18 R18 R18 R18

Cation Exchange Capacity		23.4 23.1 17.5 15.6 15.3	16.6 7.5 5.0	28.8 9.3 13.9 17.2 14.2	32.0 10.3 18.2 16.7 14.4	41.9 29.8 24.3 21.2 19.9 16.1 17.1
Exchangeable H+ meq/100g		19.1 20.7 15.0 12.6 12.5	10.9 3.8 2.2	23.7 7.6 11.9 14.6	24.8 7.9 16.0 15.2 12.7	27.9 23.7 19.2 16.7 15.5 11.5 9.2 5.1
sases	Total Exchangeable B	4.3 2.4 2.5 3.0 2.8	5.7 3.7 2.8	5.1 1.7 2.0 2.6 3.3	7.2 2.4 2.2 1.5 1.7	14.0 6.1 5.1 4.5 4.4 4.6 7.9 8.5
SS	K+ meq/100g	0.9 0.3 0.2 0.2 0.2	0.2 0.1 0.1	0.8 0.2 0.2 0.2 0.2	1.5 0.3 0.3 0.2	1.4 0.6 0.8 0.7 0.8 0.5 0.3
Exchangeable Bases	Na+ meq/100g	0.3 0.1 0.3 0.3	0.1	0.3 0.1 0.2 0.3	0.2 0.1 0.1 0.2	1.0 0.7 0.7 0.6 0.6 0.8 1.2
angeab	g001/psm ++gM	0.7 0.6 1.1 1.9	1.1	1.2 0.4 0.8 1.6 2.4	1.7 0.8 1.0 0.8	5.3 2.8 2.5 2.4 2.4 3.1 6.3
Exch	Ca ++ meq/100g	2.4 1.4 0.9 0.6 0.4	4.0 2.4 1.6	2.8 11.0 0.8 0.5 0.3	3.8 1.2 0.8 0.3	6.3 2.0 1.1 0.8 0.6 0.2 0.1
3/3r	Exchangeable Mn++ u	17.5	29.6 11.1 <5.0	10.3 <5.0 <5.0 <5.0 <5.0	24.2 <5.0 <5.0 <5.0 <5.0	88.0 63.7 37.5 27.2 62.9 69.2 65.0 65.0 65.0
-	Exchangeable Al+++ u	62 1 207 < 580 < 931 < 698 <	\$ \$ \$ \$	62 1 128 < 496 < 730 < 591 <	18 2 209 < 7112 < 728 < 760 < 760 < 760	113 8 1152 6 1176 3 1169 2 1150 2 5 < 5 < 5
,	g\gu q əldslisvA	4.8 (4.10 2) (4.10 5) (4.10 9) (4.10 6) (4.10 6)	3.0	7.8 6 <1.0 1 <1.0 4 <1.0 7 <1.0 7	8.0 1.4 2 4.1.0 7 7 7 7 7 7 7 7 7	11.5 1 2.3 1 1.6 1 1.6 1 1.8 1 <1.0 <1.0 <1.0 <1.0
	g\gu X əldaliavA	5 339 7 112 5 76 5 69 5 94	0 92 7 70 5 66	5 327 15 101 5 68 5 86 5 86 5 116	5 548 0 107 7 119 7 104 5 83	8 544 8 280 8 280 7 262 2 285 8 170 8 170 15 84
	% nagortiV latoT	0.35 0.07 0.06 0.06 0.06	0.20 0.07 0.05	0.46 <0.05 0.06 0.06 0.05	0.76 0.10 0.07 0.07 0.05	0.98 0.27 0.18 0.17 0.12 0.08 0.05
% U	Oxidizable Org. Carbor	5.75 1.62 0.85 0.50 0.35	2.96 1.31 0.69	9.59 0.91 0.87 0.58 0.24	9.03 1.22 0.79 0.59 0.34	14.02 4.08 2.60 2.51 2.18 1.44 1.13 0.54
e .	% IO					
1:5 Soil Water Suspension	EC dS/m	0.09 0.04 0.06 0.06 0.06	0.03 0.02 0.02	0.15 0.03 0.05 0.05 0.07	0.11 0.04 0.04 0.04	0.18 0.07 0.08 0.06 0.05 0.07 0.07
1:5 Sc Susp	pH CaCl2	3.6 4.0 4.1 4.0 4.0	4.8 5.2 5.2	3.6 3.8 4.0 4.0 4.0	3.7 3.9 3.9 4.0 4.0	7.4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	Hq	4.8 5.0 5.0 5.1 5.1	5.9 6.3 6.3	4.7 4.9 5.0 5.2 5.3	5.1 5.0 5.0 4.8 5.0	5.7 5.6 5.7 5.8 5.9 5.9 6.0 6.3
nits	Linear Shrinkage %	10	2	Ξ	10	7
rg Lin	Plasticity Index %	20	7	23	16	14
Atterberg Limits	Plastic Limit %	26	21	29	25	29
A	% 1imid biupid	46	22	52	41	44
	Emerson Class	E3(1) E3(3) E3(2) E5B E3(2)	E5B E3(1) E3(1)	E3(1) E2(1) E2(1) E2(1) E2(2)	E5D E3(2) E3(2) E3(2) E5(2)	E3(1) E3(2) E3(2) E3(3) E3(3) E2(1) E2(1) E1 E2(3)
	% mm 470.0> səni∃	88	28	94	87	88
u	Total Fine Earth %	93 100 100 98 98	100	91 100 102 102	94 97 101 100	88 100 102 101 101 101 102
tributic	Clay %	14 20 63 64 52	12 13	16 14 38 66 52	12 20 53 56 48	44 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Particle Size Distribution	% IIIS	18 20 13 12 17	18 20	18 21 24 19 25	15 20 20 21 21	27 40 33 33 33 30 26
ticle S	Fine Sand %	55 53 22 20 20 27	49 45 53	52 59 38 16 25	54 22 22 44 45	11 13 19 21 25 24 26
Par	Coarse sand %	2 3 9 7	14 22 16	3 % 0 0 0	13 9 2 3	9 7 8 4 8 7 4 4
	% mm2 - c7.4 levred	49 29 9 26 34	18 14 34 45	28 4 4 6 4 0 4 4 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	57 36 5 14 13	9 1 2 1 2 2 6
%	Air Dry Water Content	2.66 1.31 3.51 3.41 2.56	1.94 0.91 0.60	3.09 0.81 1.21 2.77 1.93	5.03 1.41 3.20 2.45 3.35	8.65 4.48 4.16 4.48 3.63 2.56 2.35 2.45
	Horizon Depth mm	125 220 430 740 860	150 280 445	135 190 420 790 1060	90 185 455 635 925	20 160 300 402 510 760 965 1330
noziroH		A1 A2 B21 B22 B22 B23	A1 B21 B22	A11 A12 B1 B2 B3	A1 A2 B21 B22 B23	A1 A2 B1 B21 B22 B23 B24 B3
	Laboratory Number	930204 930205 930206 930207 930208	930241 930242 930243	930226 930227 930228 930229	930199 930200 930201 930202	930209 930210 930211 930212 930214 930215
	Site Number	R6 R6 R6 R6 R6	R13 R13 R13	R10 R10 R10 R10	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	R7 R7 R7 R7 R7
inU qsM		2 2 2 2 2	Ssb Ssb Ssb	Ssc Ssc Ssc Ssc	SSd SSd SSd SSd	Ssh Ssh Ssh Ssh Ssh Ssh
	iinU qeM	Ssa Ssa Ssa Ssa Ssa	<i></i>		<u> </u>	× × × × × × ×