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THE REPUBLIC OF THE SUDAN
MINISTRY OF AGRICULTURE

REPORT
No. 167b
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ROSEIRES SOIL SURVEY

REPORT No. 14

WHITE NILE EAST BANK
RABAK TO KHARTOUM
SEMI-DETAILED
SOIL SURVEY AND LAND CLASSIFICATION

VOLUME II

APPENDIX 3. LABORATORY ANALYSES OF SOIL SAMPLES

167
b

HUNTING TECHNICAL SERVICES LTD.
4 ALBEMARLE STREET
LONDON, W.1

SIR M. MACDONALD & PARTNERS
CONSULTING ENGINEERS
LION HOUSE
RED LION STREET
LONDON .. W.C.1

NOVEMBER 1965

THE REPUBLIC OF THE SUDAN
MINISTRY OF AGRICULTURE

76V SUDAN

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TABLE 3.1 ROUTINE ANALYSES FROM AUGER BORINGS

Bore No.	Depth (ft.)	Mechanical Analysis			P.O. (moisture/100 g. at 25°C.)	Sat. %	Sol. Na Meq. 100 g.	Exch. Na Meq. 100 g.	S.P.	Soil Class	Lend Class
		Clay < 0.002 mm.	Clay 0.002-0.075 mm.	Silt 0.075-0.25 mm.							
CONTENTS											
VOLUME II											
APPENDIX 3. LABORATORY ANALYSES OF SOIL SAMPLES											
										Page No.	
TABLE 3.1 Routine Analyses from Auger Borings.										1	
TABLE 3.2 Routine Analyses from Pits.										41	
1001	0-10	30	14	47	3.2	59	2.08	13.1	28	C36	6a0
1002	10-20	20	14	47	9.0	60	6.40	22.4	44		
1003	0-10	30	20	48	7.1	59	4.60	19.4	35	C36	6a0
1004	10-20	21	15	48	8.1	56	9.40	28.6	60		
1005	0-10	30	17	44	4.4	66	2.82	10.8	25	C32	6a1
1006	10-20	15	15	39	7.3	100	13.20	4.4	17		
1007	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1008	10-20	16	16	50	8.10	66	5.75	22.4	44		
1009	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1010	10-20	16	16	50	8.10	66	5.75	22.4	44		
1011	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1012	10-20	16	16	50	8.10	66	5.75	22.4	44		
1013	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1014	10-20	16	16	50	8.10	66	5.75	22.4	44		
1015	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1016	10-20	16	16	50	8.10	66	5.75	22.4	44		
1017	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1018	10-20	16	16	50	8.10	66	5.75	22.4	44		
1019	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1020	10-20	16	16	50	8.10	66	5.75	22.4	44		
1021	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1022	10-20	16	16	50	8.10	66	5.75	22.4	44		
1023	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1024	10-20	16	16	50	8.10	66	5.75	22.4	44		
1025	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1026	10-20	16	16	50	8.10	66	5.75	22.4	44		
1027	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1028	10-20	16	16	50	8.10	66	5.75	22.4	44		
1029	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1030	10-20	16	16	50	8.10	66	5.75	22.4	44		
1031	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1032	10-20	16	16	50	8.10	66	5.75	22.4	44		
1033	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1034	10-20	16	16	50	8.10	66	5.75	22.4	44		
1035	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1036	10-20	16	16	50	8.10	66	5.75	22.4	44		
1037	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1038	10-20	16	16	50	8.10	66	5.75	22.4	44		
1039	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1040	10-20	16	16	50	8.10	66	5.75	22.4	44		
1041	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1042	10-20	16	16	50	8.10	66	5.75	22.4	44		
1043	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1044	10-20	16	16	50	8.10	66	5.75	22.4	44		
1045	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1046	10-20	16	16	50	8.10	66	5.75	22.4	44		
1047	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1048	10-20	16	16	50	8.10	66	5.75	22.4	44		
1049	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1050	10-20	16	16	50	8.10	66	5.75	22.4	44		
1051	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1052	10-20	16	16	50	8.10	66	5.75	22.4	44		
1053	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1054	10-20	16	16	50	8.10	66	5.75	22.4	44		
1055	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1056	10-20	16	16	50	8.10	66	5.75	22.4	44		
1057	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1058	10-20	16	16	50	8.10	66	5.75	22.4	44		
1059	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1060	10-20	16	16	50	8.10	66	5.75	22.4	44		
1061	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1062	10-20	16	16	50	8.10	66	5.75	22.4	44		
1063	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1064	10-20	16	16	50	8.10	66	5.75	22.4	44		
1065	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1066	10-20	16	16	50	8.10	66	5.75	22.4	44		
1067	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1068	10-20	16	16	50	8.10	66	5.75	22.4	44		
1069	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1070	10-20	16	16	50	8.10	66	5.75	22.4	44		
1071	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1072	10-20	16	16	50	8.10	66	5.75	22.4	44		
1073	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1074	10-20	16	16	50	8.10	66	5.75	22.4	44		
1075	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1076	10-20	16	16	50	8.10	66	5.75	22.4	44		
1077	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1078	10-20	16	16	50	8.10	66	5.75	22.4	44		
1079	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1080	10-20	16	16	50	8.10	66	5.75	22.4	44		
1081	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1082	10-20	16	16	50	8.10	66	5.75	22.4	44		
1083	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1084	10-20	16	16	50	8.10	66	5.75	22.4	44		
1085	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1086	10-20	16	16	50	8.10	66	5.75	22.4	44		
1087	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1088	10-20	16	16	50	8.10	66	5.75	22.4	44		
1089	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1090	10-20	16	16	50	8.10	66	5.75	22.4	44		
1091	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1092	10-20	16	16	50	8.10	66	5.75	22.4	44		
1093	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1094	10-20	16	16	50	8.10	66	5.75	22.4	44		
1095	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1096	10-20	16	16	50	8.10	66	5.75	22.4	44		
1097	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1098	10-20	16	16	50	8.10	66	5.75	22.4	44		
1099	0-10	30	17	52	0.91	45	0	16.0	31	C32	6a5
1100	10-20	16	16	50	8.10	66	5.75	22.4	44		

TABLE 3.1 ROUTINE ANALYSES FROM AUGER BORINGS

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0- 0.02 mm.	Silt 0.02- 0.002 mm.	Clay 0.002 mm.							
1051	0-45	39	14	47	3.2	59	2.08	13.1	28	C36	6as
	45-90	34	15	51	9.0	60	6.40	22.4	44		
1052	0-45	24	20	56	7.1	59	4.60	19.4	35	C36	6as
	45-90	31	21	48	8.1	96	9.40	28.6	60		
1053	0-45	39	17	44	4.4	66	2.82	10.8	25	C32	6a1
	45-90	26	15	59	7.5	150	13.20	4.4	7		
1054	0-45	31	20	49	5.9	65	4.25	16.9	32	C36	6aS
	45-90	26	20	54	8.5	59	4.00	32.8	61		
1055	0-45	31	17	52	0.98	45	0	16.0	31	C32	6aS
	45-90	26	16	58	8.10	66	5.75	22.2	38		
1056	0-45	29	19	52	4.20	66	4.60	11.8	23	C32	6aS
	45-90	24	19	57	8.50	98	9.75	25.4	44		
1057	0-45	59	9	32	1.00	47	0.12	13.5	42	C22	6a1
	45-90	61	15	24	1.50	69	1.22	12.8	53		
1058	0-45	46	10	44	0.82	49	0.0	23.2	53	C32	6a1
	45-90	44	12	44	5.1	67	3.75	17.4	40		
1059	0-45	36	12	52	0.67	54	0	11.2	22	C32	6a
	45-90	29	14	57	2.20	96	1.67	15.5	27		
1060	0-45	24	7	69	1.49	47	0.94	15.0	21	C22	6a1
	45-90	39	12	49	6.90	61	6.30	15.3	32		
1061	0-45	26	17	57	1.75	54	1.22	12.0	21	C32	6as
	45-90	32	12	56	8.80	58	6.60	20.6	37		
1062	0-45	29	17	54	1.60	59	1.25	12.3	23	C32	6a
	45-90	27	14	59	7.80	75	7.70	21.5	36		
1063	0-45	34	17	49	0.90	52	0.65	12.1	25	C32	6a1
	45-90	37	12	51	4.30	65	3.90	17.7	35		
1064	0-45	34	15	51	4.2	51	2.7	10.5	21	C32	6a
	45-90	29	15	56	7.5	71	7.1	16.9	30		
1065	0-45	39	15	46	0.79	45	0.62	13.8	30	C32	6a1
	45-90	39	10	51	6.80	58	5.50	17.3	34		
1066	0-45	39	12	49	1.30	47	0.82	14.8	30	C32	6a1
	45-90	34	10	56	4.40	52	3.06	17.3	31		
1067	0-45	44	14	42	1.84	48	1.08	15.7	42	C32	6a1
	45-90	46	16	38	1.82	63	1.50	16.5	43		
1068	0-45	42	9	49	7.30	56	5.60	13.2	27	C36	6as
	45-90	39	Flocculated		9.0	83	12.08	23.7	-		
1069	0-45	29	22	49	3.25	53	2.45	11.9	24	C32	6a1
	45-90	27	17	56	8.0	66	6.85	20.7	37		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0- 0.02 mm.	Silt 0.02- 0.002 mm.	Clay 0.002 mm.							
1070	0-45	39	12	49	0.80	47	0.41	12.4	25	C32	6a1
	45-90	39	17	44	4.50	56	3.20	14.8	34		
1071	0-45	47	12	41	7.50	56	5.60	20.0	49	C32	6as
	45-90	34	17	49	8.50	100	11.60	24.4	50		
1072	0-45	36	18	46	6.20	55	4.40	18.4	40	C36	6as
	45-75	44	7	49	8.50	94	10.00	22.8	46		
1073	0-45	34	16	50	5.40	54	3.94	15.3	31	C32	6as
	45-90	51	17	32	3.45	59	2.98	16.6	52		
1074	0-45	36	15	49	2.80	53	2.12	14.7	30	C32	6as
	45-90	36	16	48	8.50	68	7.90	20.1	42		
1075	0-45	26	22	52	0.95	52	0.66	11.3	22	C32	6a
	45-90	34	15	51	7.50	75	8.10	23.1	45		
1076	0-45	32	17	51	4.60	64	4.55	12.2	24	C32	6a
	45-90	34	12	54	6.50	75	6.10	23.1	43		
1077	0-45	34	15	51	3.60	58	2.74	9.7	19	C32	6as(4a)
	45-90	29	20	51	8.50	87	10.50	21.5	42		
1078	0-45	39	17	44	5.50	54	4.00	14.0	32	C36	6as
	45-90	34	17	49	11.00	80	12.00	20.8	43		
1079	0-45	64	8	67	8.0	28	7.20	17.6	63	C22	6as
	45-90	24	20	56	6.5	135	12.50	26.7	48		
1080	0-45	36	15	49	2.2	51	1.45	14.1	29	C32	6a1
	45-90	18	18	64	7.9	61	6.15	19.8	31		
1081	0-45	15	16	69	5.1	49	3.34	12.7	18	C32	6a
	45-90	18	16	66	3.2	71	2.94	21.9	33		
1082	0-45	13	21	66	2.0	46	0.92	15.1	23	C36	6a
	45-90	20	16	64	2.4	69	2.40	19.2	30		
1083	0-45	23	16	61	5.1	57	4.10	12.7	21	C32	6a
	45-90	23	13	64	7.5	110	11.70	23.1	36		
1084	0-45	28	13	59	6.5	60	5.30	15.5	26	C32	6as
	45-90	15	16	69	9.0	110	13.50	23.7	34		
1085	0-45	25	16	59	0.88	44	0.54	11.4	19	C32	6a(4a)
	45-90	20	14	66	7.50	67	8.00	16.8	25		
1086	0-45	28	13	59	2.30	34	0.75	15.2	26	C32	6a
	45-90	30	14	56	8.0	82	8.20	17.8	32		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
1088	0-45	28	21	51	4.5	51	2.53	14.3	28	C32	6as
	45-90	25	14	61	8.2	102	11.80	22.6	37		
1089	0-45	25	16	59	3.8	57	8.58	9.8	16	C32	6as(4a)
	45-90	20	21	59	9.0	73	8.74	6.9	12		
1090	0-45	25	16	59	5.2	52	3.22	16.0	27	C32	6as
	45-90	28	16	56	8.5	100	10.85	25.1	45		
1091	0-45	35	14	51	2.2	53	1.32	20.3	40	C36	6a
	45-90	44	13	43	8.0	68	7.00	27.0	63		
1102	0-45	25	16	59	2.4	70	1.7	15.1	26	C32	6a
	45-90	30	11	59	7.8	91	8.4	18.8	32		
1103	0-45	30	16	54	3.9	73	3.5	19.7	36	C32	6a
	45-90	25	16	59	7.4	52	4.8	23.2	39		
1104	0-45	45	11	44	1.45	49	0.67	14.5	33	C36	6a1
	45-90	32	9	59	7.8	82	8.1	19.9	34		
1105	0-45	30	14	56	0.70	56	10.	12.8	23	C32	6a
	45-90	35	14	51	4.80	75	4.5	17.1	34		
1106	0-45	40	14	46	2.58	57	1.63	7.2	16	C32	6a(4a)
	45-90	42	9	49	7.8	64	6.2	16.2	33		
1102	0-45	35	14	51	0.75	70	0.61	11.8	23	C32	6a
	45-90	28	16	56	4.2	98	5.3	16.7	30		
1113	0-45	35	14	51	0.8	68	0.68	16.5	32	C32	6a
	45-90	30	14	56	6.2	95	8.2	17.0	30		
1114	0-45	33	18	49	5.4	85	6.4	16.8	34	C32	6as
	45-90	28	16	56	5.2	100	7.4	23.0	41		
1115	0-45	35	14	51	3.8	74	4.0	19.2	38	C32	6a
	45-90	30	14	56	2.0	123	3.1	24.1	43		
1116	0-45	48	16	36	7.0	67	5.4	12.6	35	C22	6as
	45-90	45	11	44	6.2	75	6.0	10.0	23		
1117	0-45	35	14	51	0.88	77	0.77	9.6	19	C32	6a
	45-90	33	16	51	6.2	79	5.5	16.5	32		
1118	0-45	40	14	46	7.9	112	11.0	21.8	47	C32	6as
	45-90	45	16	39	4.6	75	4.0	12.4	32		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0- 0.02 mm.	Silt 0.02- 0.002 mm.	Clay 0.002 mm.							
1119	0-45	38	13	49	0.75	68	0.4	4.4	9	C31	3a1
	45-90	40	14	46	5.0	81	4.6	10.2	22		
1120	0-45	35	16	49	3.0	74	1.95	6.4	13	C31	6a(31)
	45-90	32	16	52	7.5	82	7.6	20.4	39		
1122	0-45	45	16	39	4.5	70	3.9	14.5	37	C22	6a1
	45-90	28	23	49	5.2	84	6.3	21.7	42		
1124	0-45	32	14	54	0.46	61	0.45	7.9	<15	A13	6a(2)
	45-90	27	14	59	2.70	75	2.80	14.8	>25		
1125	0-45	27	14	59	0.60	65	0.57	20.2	34	A14	6a
	45-90	37	14	49	4.20	60	3.30	12.7	26		
1126	0-45	24	17	59	0.95	71	0.97	9.4	16	A14	4a
	45-90	24	12	64	4.0	75	3.7	13.9	22		
1127	0-45	19	14	67	2.8	73	2.7	14.1	21	A14	6a
	45-90	22	11	67	0.63	68	0.60	10.2	> 15		
1128	0-45	24	14	62	0.44	63	0.47	7.9	13	A13	3a
	45-90	24	12	64	1.99	64	1.60	11.2	17		
1129	0-45	27	11	62	0.42	68	0.42	6.8	11	A13	3a
	45-90	27	11	64	1.90	66	1.65	13.5	21		
1130	0-45	24	12	64	0.46	61	0.38	4.0	6	A11	2
	45-90	27	16	57	1.45	71	1.23	8.4	< 15		
1131	0-45	27	14	59	0.45	63	0.47	8.0	14	A11	3a
	45-90	22	14	64	3.5	73	3.3	15.5	24		
1132	0-45	27	14	59	0.48	64	0.48	9.1	> 15	A12	4a
	45-90	29	12	59	3.89	71	3.50	13.7	23		
1133	0-45	24	14	62	0.52	70	0.52	7.5	12	A13	3a
	45-90	24	14	62	2.70	75	2.50	12.7	20		
1134	0-45	27	11	62	0.36	68	0.34	4.5	7	A13	3a
	45-90	29	14	57	1.75	70	1.56	10.0	18		
1135	0-45	27	11	62	0.48	67	0.42	5.2	8	A11	3a
	45-90	22	14	64	0.78	66	0.66	11.7	18		
1136	0-45	22	14	64	0.38	66	0.33	6.5	10	A13	3a
	45-90	32	14	54	2.18	73	2.00	10.4	19		
1137	0-45	29	17	54	3.3	65	2.90	12.3	23	A14	6a
	45-90	24	12	64	1.45	70	1.21	10.4	16		
1138	0-45	24	14	62	0.43	71	0.35	6.0	10	A13	3a
	45-90	29	12	59	3.20	61	2.50	12.3	21		
1121	0-45	45	19	36	2.18	67	1.67	10.3	29	C22	6a1
	45-90	40	14	46	5.8	79	5.8	12.6	28		
1123	0-45	19	17	64	0.52	64	0.48	11.5	18	A14	6a(4a)
	45-90	24	14	62	1.30	72	1.44	16.2	26		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
1139	0-45	24	17	59	0.54	71	0.53	9.5	16	A14	4a
	45-90	24	14	62	4.20	67	3.40	11.8	19		
1140	0-45	32	14	54	2.90	64	2.40	11.8	22	A14	6a
	45-90	39	12	49	6.20	60	4.50	9.1	19		
1141	0-45	27	14	59	1.25	73	1.18	8.4	14	A11	3a
	45-90	27	11	62	5.0	70	4.0	14.4	23		
1142	0-45	24	17	59	0.46	65	0.41	7.6	13	A13	6a(2)
	45-90	24	14	62	5.2	74	4.4	16.4	26		
1143	0-45	27	14	59	0.42	63	4.0	6.8	12	A13	6a(2)
	45-90	24	14	62	4.5	69	3.7	17.5	28		
1144	0-45	29	14	57	2.7	69	2.22	8.6	15	A14	4a
	45-90	24	14	62	5.0	73	4.16	14.2	23		
1145	0-45	32	14	54	0.80	63	0.62	9.0	17	A14	4a
	45-90	29	12	59	2.15	71	1.68	9.5	16		
1146	0-45	22	14	64	0.52	69	0.50	7.1	11	A13	3a
	45-90	22	14	64	4.60	75	4.50	15.1	24		
1147	0-45	27	14	59	0.86	69	0.69	9.9	17	A14	6a(4a)
	45-90	37	11	52	5.8	69	5.2	13.6	26		
1148	0-45	32	11	57	0.65	70	0.70	7.3	13	A13	3aS
	45-90	24	12	64	5.40	74	4.70	10.9	17		
1149	0-45	22	14	64	0.58	74	0.55	6.6	10	A13	3a
	45-90	22	11	67	3.50	79	3.15	11.6	17		
1150	0-45	22	16	62	0.52	69	0.69	6.5	10	A11	6a(2)
	45-90	39	9	52	6.0	68	5.30	13.1	25		
1151	0-45	24	12	64	0.44	69	0.34	6.5	10	A11	3a
	45-90	22	11	67	4.2	73	3.30	10.3	15		
1152	0-45	24	14	62	0.65	49	0.30	6.9	11	A11	3a
	45-90	24	12	64	4.0	79	3.30	10.3	16		
1153	0-45	24	17	59	0.98	74	0.74	5.3	9	A11	3a
	45-90	24	12	64	4.4	73	3.70	9.9	15		
1154	0-45	44	12	44	0.60	60	0.37	2.8	6	C37	6a(31)
	45-90	47	11	42	3.30	67	2.80	12.4	29		
1155	0-45	59	9	32	0.55	45	0.28	2.5	8	C21	41
	45-90	42	9	49	1.05	57	0.56	5.0	10		
1156	0-45	47	11	42	1.76	58	1.0	10.2	24	C36	6a1
	45-65	39	12	49	3.8	76	3.4	14.6	30		
1157	0-45	57	9	34	8.0	69	6.6	7.8	23	C22	6as
	45-90	37	11	52	4.2	140	7.7	17.5	34		
1158	0-45	49	12	39	0.55	49	0.32	1.5	4	C21	3a1
	45-90	47	9	44	1.28	46	0.56	9.8	22		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
1159	0-45	52	11	37	0.38	51	0.19	2.6	7	C21	3asL
	45-90	42	14	44	5.40	61	4.40	9.2	21		
1160	0-45	37	14	49	0.68	59	0.37	0.8	2	C35	3al
	45-90	39	12	49	3.10	65	2.5	8.7	18		
1161	0-45	47	11	42	0.16	51	0.13	0.3	1	C31	3l
	45-90	47	11	42	0.21	52	0.13	0.7	2		
1162	0-45	37	16	47	0.21	59	1.0	15.0	32	C32	6al
	45-90	34	11	55	4.80	66	4.6	19.4	35		
1163	0-45	39	14	47	0.40	50	0.37	8.0	17	C32	6a(4al)
	45-90	32	13	55	3.60	64	3.0	15.0	27		
1164	0-45	34	14	52	0.40	54	0.41	7.2	14	C31	3a
	45-90	34	14	52	1.65	57	1.30	11.9	23		
1165	0-45	37	16	47	0.36	58	0.36	6.8	14	C31	6a(3l)
	45-90	34	14	52	3.80	58	2.70	13.3	26		
1166	0-45	39	14	47	0.42	56	0.42	10.4	23	C32	6al
	45-90	37	11	52	3.20	60	2.60	14.2	27		
1167	0-45	34	14	52	0.40	61	0.15	8.2	16	C32	4a
	45-90	37	11	52	1.75	65	1.22	11.6	22		
1168	0-45	42	11	47	1.75	65	1.23	14.0	30	C32	6al
	45-90	47	11	42	5.2	72	4.80	18.4	44		
1169	0-45	37	13	50	0.44	58	0.51	8.7	17	C32	6a(4a)
	45-90	49	11	40	5.5	60	4.0	14.8	37		
1170	0-45	34	14	52	0.74	57	0.43	14.8	28	C32	6a
	45-90	32	11	57	4.80	62	4.0	18.4	32		
1171	0-45	39	21	40	6.5	61	5.6	18.0	14	C21	6s
	45-90	52	11	37	7.0	77	7.5	20.5 >	20		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0- 0.02 mm.	Silt 0.02- 0.002 mm.	Clay 0.002 mm.							
2045	0-45	24	20	56	4.9	67	4.50	15.1	27	C32	6as
	45-90	19	20	61	9.0	97	12.10	44.3	73		
2046	0-45	37	17	46	3.25	56	2.58	14.6	31	C37	6as
	45-90	32	19	49	8.5	70	8.70	20.9	43		
2047	0-45	44	17	39	3.1	72	2.26	14.1	36	C36	6as
	45-90	42	12	46	9.0	81	10.12	25.1	54		
2048	0-45	37	14	49	3.9	79	4.40	16.4	33	C32	6as
	45-90	27	15	58	9.0	80	11.40	22.6	38		
2049	0-45	32	17	51	1.3	57	1.00	9.0	18	C32	6a(4a)
	45-90	34	17	49	6.5	72	7.20	18.8	38		
2050	0-45	24	17	59	3.25	74	3.23	16.0	27	C32	6a
	45-90	22	15	63	7.2	89	9.20	29.2	46		
2051	0-45	32	17	51	2.1	62	1.78	16.6	33	C32	6as
	45-90	31	18	51	8.5	70	8.40	18.4	36		
2052	0-45	27	19	54	1.4	58	1.32	19.5	36	C32	6a
	45-90	24	20	56	7.5	69	7.40	23.0	41		
2053	0-45	34	17	49	2.1	61	1.75	18.2	37	C32	6a
	45-90	29	20	51	4.9	70	4.70	18.9	37		
2054	0-45	34	17	49	0.82	55	0.62	15.8	32	C32	6a1
	45-90	29	15	56	4.6	72	4.60	21.4	38		
2055	0-45	31	18	51	3.4	62	2.86	24.3	48	C36	6as
	45-90	31	23	46	9.0	37	4.54	30.7	67		
2056	0-45	29	17	54	1.35	57	4.90	16.7	31	C32	6a
	45-90	24	20	56	5.40	64	4.90	25.1	45		
2057	0-45	34	15	51	1.40	61	1.14	14.9	28	C32	6a
	45-90	24	20	56	5.40	74	5.20	22.8	41		
2058	0-45	42	12	46	4.50	57	3.30	11.5	25	C32	6as
	45-90	22	20	58	8.50	90	11.60	26.0	45		
2059	0-45	24	18	58	3.80	64	3.20	11.6	20	C32	6as
	45-90	22	39	39	10.00	64	4.20	27.0	32		
2060	0-45	24	18	58	1.70	59	1.62	20.8	36	C32	6as
	45-90	41	7	52	9.0	69	8.24	23.0	44		
2062	0-45	38	20	45	4.90	62	5.10	11.7	26	C32	6as
	45-90	39	6	55	8.90	104	14.00	27.6	50		
2066	0-45									C32	3a
	45-90	41	9	50	3.60	72	5.2	7.6	15		
2067	0-45	41	9	50	6.50	65	8.0	13.6	27	C32	6as
	45-90	34			6.90	77	8.2	5.0			
2068	0-45	41	9	50	4.4	58	4.7	19.3	39	C32	6a
	45-90	39			7.4	77	9.5	4.9			

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
2069	0-45	36	6	58	6.2	63	6.4	16.4	28	C32	6as
	45-90	34	8	58	8.2	85	9.1	6.5	11	C32	6as
2070	0-45	38	12	50	4.9	58	5.0	15.4	31	C32	6as
	45-90	34	11	55	9.0	83	14.0	2.8	5	C32	6a
2071	0-45	46	9	45	1.6	64	2.8	15.2	34	C32	6a1
	45-90	48	9	43	2.4	70	3.9	19.7	46	C32	6as
2072	0-45	44	F	F	6.0	55	5.3	16.3	-	C32	6as
	45-90	34	16	50	10.4	108	10.0	40.4	80	C31	3a1
2073	0-45	43	9	48	1.3	50	2.0	13.6	28	C32	6a1
	45-90	48	12	40	5.2	63	5.7	17.1	43	C32	6a(4)
2074	0-45	41	19	50	5.2	59	5.4	15.4	31	C32	6as
	45-90	26	14	60	8.2	69	9.6	23.6	39	C32	6a
2075	0-45	41	9	50	4.5	56	4.4	8.4	17	C32	6a(4a)
	45-90	39	11	50	8.0	65	8.2	19.4	39	C32	6a(4)
2076	0-45	56	6	38	2.1	55	2.9	33.9	89	C22	6a1
	45-90	48	9	43	2.4	96	4.2	31.8	74	C32	6a(4)
2077	0-45	51	6	43	0.68	29	0.22	6.6	15	C31	6a(4a1)
	45-90	51	6	43	1.8	63	1.40	14.6	34	C31	6a1
2078	0-45	39	18	43	6.0	61	4.4	10.8	25	C32	6as
	45-90	36	16	48	8.0	85	10.0	18.2	38	C31	3a1
2082	0-45	33	12	55	5.2	73	5.1	30.1	55	C32	6a
	45-90	28	14	58	7.8	95	9.7	33.5	58	C31	6a1
2083	0-45	43	7	50	5.2	65	4.2	27.0	54	C32	6as
	45-90	41	9	50	9.0	73	8.9	34.3	68	C32	6a
2084	0-45	38	9	53	1.2	55	0.54	28.3	53	C32	6a
	45-90	33	7	60	2.8	81	3.02	32.6	54	C32	6a
2099	0-45	50	4	46	1.5	57	0.71	12.5	27	C34	6a1
	45-90	30	16	54	4.5	75	4.0	22.4	41	C32	6a
2114	0-45	50	14	36	7.4	68	6.4	16.0	44	C32	6as
	45-90	52	7	41	8.0	80	8.4	17.6	43	C32	6a
2115	0-45	37	14	49	8.5	68	7.4	18.2	37	C32	6as
	45-90	37	4	59	8.0	93	11.4	21.8	37	C32	6a
2116	0-45	57	12	31	14.0	67	12.2	21.4	69	C22	6as
	45-90	42	12	46	6.5	71	6.0	15.2	33	C32	6a
2117	0-45	26	14	60	2.4	57	1.85	12.9	22	C32	6a
	45-90	39	18	43	6.4	78	6.50	15.9	37	C32	6a
2121	0-45	29	16	55	0.68	63	0.47	7.5	14	C31	3as
	45-90	24	18	58	5.40	74	4.80	13.6	23	C32	6a

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
2124	0-45	49	13	38	1.25	49	0.67	11.3	30	C32	6a
	45-90	56	11	33	3.70	60	2.90	13.5	41		
2125	0-45	26	11	63	6.0	85	6.4	21.6	34	C32	6as
	45-90	26	16	58	6.5	81	6.5	23.6	30		
2126	0-45	34	17	53	3.4	56	2.4	12.0	23	C32	6a
	45-90	34	21	45	7.5	70	6.4	14.4	32		
2127	0-45	31	16	53	7.5	86	8.5	20.7	39	C32	6as
	45-90	41	19	40	6.5	82	7.0	12.2	31		
2128	0-45	39	13	48	1.05	65	0.73	2.5	5	C31	3as1
	45-90	26	11	63	5.5	77	6.0	12.8	20		
2129	0-45	29	11	60	3.5	77	4.0	10.8	18	C32	6a(4a)
	45-90	24	13	63	6.5	86	7.0	18.2	28		
2130	0-45	29	18	53	1.46	63	1.0	14.6	28	C32	6a
	45-90	29	18	53	7.80	73	7.1	18.1	34		
2131	0-45	24	18	58	1.15	48	0.61	11.4	<20	C32	6a(4a)
	45-90	26	16	58	6.8	81	6.8	18.8	32		
2132	0-45	31	14	55	0.65	50	0.25	9.3	17	C32	6a(4a)
	45-90	26	14	60	4.8	78	4.4	15.6	26		
2133	0-45	44	11	45	1.5	55	0.75	10.0	22	C34	6a1
	45-90	26	16	58	5.8	79	5.5	15.7	27		
2136	0-45	39	13	48	1.49	65	0.32	0.1	-	C33	3a1
	45-90	39	13	48	4.50	63	3.20	11.2	23		
2138	0-45	39	16	45	3.0	60	2.1	9.1	>20	C32	6a1
	45-90	32	13	55	6.5	81	7.7	24.3	44		
2139	0-45	31	16	53	1.7	69	0.34	12.8	24	C32	6a
	45-90	24	18	58	6.0	87	6.4	11.6	<20		
2140	0-45	26	16	58	1.9	63	1.14	10.0	17	C34	6a(4a)
	45-90	24	16	60	4.8	86	4.9	18.7	31		
2142	0-45	31	14	55	4.5	72	3.7	8.7	16	C34	4a
	45-90	24	11	65	7.0	85	7.8	16.2	<25		
2143	0-45	24	21	55	1.65	71	1.24	9.9	18	C34	4a
	45-90	21	19	60	4.2	77	3.8	8.2	14		
2144	0-45	34	18	48	6.0	69	4.7	7.3	>15	C34	6as
	45-90	24	13	63	9.0	82	8.0	18.4	29		
2145	0-45	39	11	50	7.5	78	8.8	8.8	18	C32	6as
	45-90	26	11	63	8.2	96	10.2	19.4	31		
2146	0-45	36	11	53	5.6	75	5.2	12.4	23	C32	6as
	45-90	34	13	53	7.5	100	10.3	18.1	34		
2148	0-45	34	11	55	0.33	62	0.47	7.9	14	C31	3a
	45-90	32	13	55	1.30	60	1.60	10.8	<20		
2149	0-45	32	13	55	0.43	55	0.41	7.6	14	C31	6a
	45-90	32	13	55	2.18	64	2.10	16.3	30		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
2150	0-45	34	14	52	0.40	58	0.36	6.8	13	C31	3a
	45-90	37	11	52	1.42	60	1.20	11.2	21		
2151	0-45	34	11	55	0.40	61	0.38	5.2	9	C31	3a
	45-90	29	14	57	1.0	64	0.87	11.1	19		
2152	0-45	34	11	55	0.30	60	0.30	5.3	10	C31	2
	45-90	32	11	57	0.47	63	0.48	8.3	15		
2153	0-45	32	13	55	1.36	61	0.31	3.7	7	C31	2
	45-90	32	13	55	0.82	62	0.62	7.4	13		
2154	0-45	34	11	55	0.32	63	0.31	4.1	7	C31	3a
	45-90	34	9	57	2.0	58	1.46	9.7	17		
2155	0-45	34	11	55	0.40	54	0.40	5.6	10	C31	3a
	45-90	34	6	60	0.75	56	0.70	10.5	17		
2156	0-45	37	8	55	0.33	62	0.39	5.2	9	C31	3a
	45-90	34	11	55	1.18	57	0.85	9.5	17		
2157	0-45	34	11	55	0.34	63	0.39	5.6	10	C31	3a
	45-90	34	9	57	0.96	63	0.78	9.2	16		
2158	0-45	34	11	55	0.46	59	0.44	6.8	12	C31	3a
	45-90	37	8	55	1.70	56	1.10	8.9	16		
2159	0-45	34	14	52	0.30	58	0.29	3.7	7	C31	2
	45-90	37	8	55	0.64	54	0.48	7.5	14		
2160	0-45	34	11	55	0.32	56	0.28	4.1	7	C31	2
	45-90	29	14	57	1.20	58	0.80	7.6	13		
2161	0-45	42	8	50	0.44	56	0.56	8.6	17	C33	6a(4a)
	45-90	44	6	50	3.30	71	3.0	13.0	26		
2162	0-45	57	6	37	0.36	51	0.32	4.5	12	C21	3a1
	45-90	49	6	45	1.65	68	1.45	10.9	24		
2798	0-45	39	18	43	0.95	58	0.70	5.3	12	C33	6a(31)
	45-90	31	13	56	4.00	71	3.70	17.9	32		
2799	90-150				5.40					C33	6a(31)
	0-45	29	23	48	0.68	61	0.54	3.7	8		
2800	45-90	31	11	58	3.20	66	2.80	18.0	31	C34	6a
	90-150				4.00						
2801	0-45	26	18	56	2.30	67	2.24	13.8	25	C34	6a
	45-90	26	16	58	5.0	61	3.60	28.4	49		
2802	90-150				6.00					C31	3a1
	0-45	24	28	48	0.69	59	0.67	4.1	8		
2803	45-90	21	18	61	2.70	70	2.40	12.8	21	C34	6a
	90-150				3.20						
2803	0-45	32	12	56	0.95	62	0.74	11.3	20	C32	6a
	45-90	19	18	63	4.70	63	3.80	24.6	40		
2803	90-150				5.20					C32	6a
	0-45	21	18	61	2.20	66	1.85	12.5	20		
2822	45-90	19	23	58	5.0	74	4.50	20.7	36	C32	6a
	90-150				5.90						

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
2804	0-45	34	18	48	0.65	57	0.50	7.5	16	C32	6a(4a1)
	45-90	34	13	53	4.0	62	3.20	23.2	44		
	90-150				3.10						
2805	0-45	29	15	56	1.30	63	0.87	7.9	14	C31	6a(2)
	45-90	34	8	58	3.40	70	2.90	16.7	29		
	90-150				5.20						
2806	0-45	32	12	56	0.95	64	0.72	13.3	24	C32	6a
	45-90	32	12	56	3.00	70	2.70	18.1	32		
	90-150				5.00						
2807	0-45	47	15	38	0.65	57	0.36	6.0	16	C22	4a1
	45-90	42	15	43	1.70	63	1.24	6.4	<15		
	90-150				2.30						
2808	0-45	44	18	38	0.46	60	0.45	5.9	16	C22	6a(4a1)
	45-90	39	13	48	2.00	66	1.80	15.8	33		
	90-150				3.10						
2809	0-45	22	12	66	0.60	77	0.58	12.6	20	C32	6a
	45-90	17	15	68	4.50	52	3.20	24.8	36		
	90-150				6.00						
2810	0-45	22	12	66	0.60	71	0.70	14.1	21	C32	6a
	45-90	19	13	68	4.50	61	3.40	26.2	39		
	90-150				5.50						
2811	0-45	19	13	68	0.65	73	0.64	15.0	22	A14	6a
	45-90	24	13	63	2.10	90	2.70	16.1	26		
2812	0-45	24	13	63	2.30	69	2.10	13.9	22	C32	6a
	45-90	19	13	68	5.20	69	4.50	18.7	28		
	90-150				5.30						
2813	0-45	22	12	66	1.85	71	1.80	23.4	35	C32	6a
	45-90	22	10	68	7.50	81	7.50	25.3	37		
	90-150				5.20						
2814	0-45	19	13	68	0.97	73	0.91	22.3	33	C34	6a
	45-90	29	13	58	5.00	88	5.40	18.6	32		
	90-150				4.50						
2815	0-45	29	13	58	0.80	64	0.79	12.8	22	C34	6a
	45-90	19	13	68	4.50	69	3.80	21.0	31		
	90-150				5.10						
2816	0-45	24	13	63	1.0	57	0.71	16.5	26	C34	6a
	45-90	22	12	66	5.80	74	5.20	25.2	38		
	90-150				5.20						
2817	0-45	27	12	61	0.85	73	0.82	13.6	22	C32	6a
	45-90	24	13	63	5.90	73	5.30	21.1	33		
	90-150				5.20						
2818	0-45	32	12	56	1.30	64	1.04	10.9	20	C34	6a(4a)
	45-90	22	12	66	3.70	70	3.40	23.0	35		
	90-150				5.40						
2819	0-45	24	13	63	0.50	68	0.34	16.1	26	C32	6a
	45-90	22	12	66	2.20	69	1.70	20.7	31		
	90-150				4.40						
2820	0-45	29	13	58	1.85	60	1.20	15.6	27	C32	6a
	45-90	27	12	61	5.00	73	4.40	23.2	38		
	90-150				5.50						
2821	0-45	19	49	32	1.70	109	2.0	17.6	55	C34	6a1
	45-90	24	13	63	4.50	81	4.40	24.4	39		
	90-150				6.20						
2822	0-45	32	15	53	0.62	48	0.24	10.2	19	C32	6a(4a)
	45-90	39	13	48	3.90	67	3.00	27.4	57		
	90-150				4.30						
2823	0-45	37	12	51	0.63	59	0.29	10.1	20	C32	6a
	45-90	29	18	53	4.50	72	4.0	22.8	43		
	90-150				5.30						
2824	0-45	32	17	51	0.48	66	0.25	5.3	10	C35	6a(2)
	45-90	34	15	51	2.0	61	1.45	14.9	29		
	90-150				1.35						

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
2825	0-45	27	15	58	0.50	60	0.30	11.3	19	C32	6a(4a)
	45-90	24	13	63	4.20	80	4.20	22.2	35		
	90-150				6.00						
2826	0-45	34	15	51	0.50	63	0.24	3.0	6	C31	2
	45-90	29	13	58	1.10	70	0.70	6.1	11		
	90-150				1.50						
2827	0-45	29	15	56	0.60	68	0.42	4.8	9	C31	3a
	45-90	29	13	58	2.20	58	1.50	10.1	17		
	90-150				2.70						
2828	0-45	24	15	61	0.39	73	0.36	8.4	14	C31	3a
	45-90	19	15	66	1.35	74	1.20	12.0	18		
	90-150				2.50						
2829	0-45	22	12	66	0.36	66	0.33	9.7	15	C31	3a
	45-90	24	13	63	1.20	78	1.20	14.0	22		
	90-150				3.50						
2830	0-45	37	10	53	0.40	62	0.31	6.1	12	C33	6a(2)
	45-90	32	12	56	1.15	73	1.10	14.1	>25		
	90-150				3.80						
2831	0-45	28	9	63	0.48	75	0.55	12.6	20	C32	6a
	45-90				3.30						
	90-150				-						
2832	0-45	22	15	63	0.50	71	0.45	6.7	11	C31	6a(2)
	45-90	28	6	66	2.90	75	2.50	16.7	>25		
2833	0-45	28	9	63	0.43	60	0.37	12.4	20	C32	6a(4a)
	45-90	19	15	60	1.90	79	1.90	16.9	26		
2834	0-45	47	12	41	0.48	58	0.29	4.5	11	C31	3a1
	45-90	37	12	51	1.10	62	0.78	10.8	21		
2835	0-45	27	12	61	0.95	65	0.81	14.4	24	C32	6a
	45-90	29	13	58	2.80	68	2.40	15.2	26		
2836	0-45	27	17	56	1.05	66	0.91	10.3	18	C32	6a(4a)
	45-90	28	9	63	4.50	75	4.50	25.1	40		
2837	0-45	27	12	61	0.48	76	0.48	7.5	12	C31	6a(2)
	45-90	27	12	61	2.80	65	2.20	15.4	>25		
2838	0-45	29	13	58	0.60	67	0.50	14.7	25	C32	6a
	45-90	27	12	61	4.0	74	3.90	22.9	38		
2839	0-45	29	13	58	1.60	71	1.30	10.7	18	C32	6a(4a)
	45-90	19	15	66	2.40	73	2.20	20.2	31		
2840	0-45	22	15	63	1.25	68	1.0	18.2	29	C34	6a
	45-90	22	15	63	4.50	71	3.80	19.4	31		
2841	0-45	27	22	51	0.90	70	0.80	6.0	12	C33	3a
	45-90	27	10	63	3.20	66	2.70	14.5	23		
2842	0-45	19	13	68	0.80	74	0.74	15.7	23	C32	6a
	45-90	22	12	66	3.40	78	3.70	23.1	35		
2843	0-45	27	15	58	1.70	64	1.45	13.3	23	C34	6a
	45-90	24	15	61	3.80	76	3.70	19.5	32		
2844	0-45	28	13	59	1.05	70	0.87	12.7	22	C32	6a
	45-90	24	12	64	3.20	84	3.60	23.6	37		
2845	0-45	24	17	59	0.75	80	0.70	12.1	21	C32	6a
	45-90	27	7	66	4.60	75	4.10	21.1	32		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
2846	0-45	37	17	46	1.0	74	0.84	14.4	31	C32	6a1
	45-90	32	12	56	2.50	72	2.50	13.5	24		
2847	0-45	30	12	58	1.60	63	1.26	11.9	21	C32	6a
	45-90	27	12	61	4.0	77	4.0	20.0	33		
2848	0-45	25	14	61	1.10	133	1.68	15.1	25	C32	6a
	45-90	27	12	61	0.44	50	0.19	19.0	31		
2849	0-45	30	12	58	4.90	82	4.90	1.10	2	C31	3a
	45-90	25	14	61	2.0	71	1.60	9.2	>15		
2850	0-45	35	14	51	0.90	60	0.71	9.3	18	C32	6a(4a)
	45-90	57	5	38	2.50	63	2.0	12.4	33		
2851	0-45	35	12	53	0.90	61	0.61	9.4	18	C32	4a
	45-90	30	12	58	2.50	72	2.20	13.8	24		
2852	0-45	45	12	43	0.44	58	0.29	4.9	11	C31	3a1
	45-90	42	10	48	1.0	60	0.67	10.1	21		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
3029	0-45	29	20	51	0.5	63	0.26	0.2	-	C31	6a(2)
	45-90	31	16	53	7.0	88	8.3	21.3	40		
3030	0-45	44	13	43	0.84	48	0.53	11.9	28	C32	6a1
	45-90	46	13	41	3.4	75	3.40	12.6	31		
3031	0-45	46	13	41	2.32	69	2.10	12.3	30	C32	6a1
	45-90	41	13	46	2.82	42	1.68	17.3	38		
3032	0-45	44	13	43	0.76	68	0.59	9.8	23	C32	6a1
	45-90	46	13	41	3.22	61	2.80	12.4	30		
3033	0-45	34	15	51	4.2	69	4.20	13.4	26	C32	6a
	45-90	34	15	51	1.1	53	0.72	11.7	23		
3034	0-45	56	13	31	2.21	52	1.60	15.2	49	C22	6a1
	45-90	51	13	36	4.0	50	2.75	18.8	52		
3035	0-45	49	13	38	3.6	54	2.50	8.3	21	C22	6as
	45-90	31	16	53	9.0	74	9.10	18.1	34		
3036	0-45	46	18	36	4.4	60	3.30	5.9	17	C22	4a1
	45-90	39	15	46	3.21	60	2.60	4.6	10		
3037	0-45	29	20	51	8.0	75	7.65	16.3	32	C32	6as
	45-90	36	16	48	8.0	52	5.80	17.0	35		
3038	0-45	34	18	48	4.4	64	3.70	8.7	18	C32	6as(4a1)
	45-90	39	16	45	9.0	69	8.30	15.3	34		
3039	0-45	36	18	46	3.9	66	3.30	5.5	12	C32	6a(31)
	45-90	21	21	58	7.5	85	9.40	19.0	33		
3040	0-45	49	28	23	1.8	79	1.97	8.8	38	C22	6a1
	45-90	29	20	51	7.8	93	9.50	16.9	33		
3041	0-45	31	16	53	4.5	67	4.2	6.2	11	C31	6a(2)
	45-90	29	15	56	7.5	86	8.5	21.9	39		
3042	0-45	41	16	43	2.1	63	1.66	13.5	31	C32	6a1
	45-90	39	15	46	4.9	78	4.90	13.5	29		
3043	0-45	29	18	53	3.65	62	2.60	4.6	9	C31	6as(2)
	45-90	31	14	55	8.5	78	8.50	18.3	33		
3044	0-45	26	13	61	4.9	78	5.1	16.5	27	C32	6a
	45-90	34	35	31	6.5	76	6.7	17.3	56		
3045	0-45	34	18	48	4.4	61	3.0	10.6	22	C32	6a1
	45-90	29	18	53	5.9	86	6.9	19.5	37		
3047	0-45	36	21	43	5.0	67	4.50	16.3	38	C32	6as
	45-90	31	18	51	8.5	76	5.2	24.0	47		
3048	0-45	34	20	46	2.25	61	1.75	23.8	51	C32	6as
	45-90	34	20	46	9.0	76	9.10	22.9	50		
3049	0-45	36	14	46	2.4	62	1.70	8.3	18	C32	6a(4a)
	45-90	36	9	55	7.4	72	6.80	16.8	31		
3050	0-45	49	18	33	4.0	43	1.93	2.9	9	C21	6a(41)
	45-90	46	21	33	7.0	77	7.00	13.2	40		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
3051	0-45	41	13	46	1.3	61	0.75	16.4	36	C32 6al	
	45-90	36	13	51	5.0	95	6.65	22.5	43		
3052	0-45	26	18	56	3.6	63	2.60	10.2	18	C32 6as(4a)	
	45-90	24	15	61	8.2	94	10.59	23.1	38		
3053	0-45	36	18	46	5.0	92	5.75	8.2	18	C32 6a(4al)	
	45-90	74	5	21	8.0	112	13.50	17.3	82		
3054	0-45	36	18	46	4.4	66	4.00	16.4	36	C37 6al	
	45-90	46	16	38	4.6	80	5.00	16.6	44		
3055	0-45	51	13	36	3.6	52	2.54	11.9	33	C22 6al	
	45-90	59	13	28	1.8	66	1.65	14.9	53		
3057	0-45	56	13	31	0.95	55	0.69	6.5	21	C22 6al	
	45-90	59	13	28	2.65	51	1.70	8.3	30		
3058	0-45	46	13	41	2.25	28	0.84	19.6	48	C32 6al	
	45-90	61	13	26	2.4	63	1.73	21.1	81		
3059	0-45	49	15	36	1.44	55	0.68	18.1	50	C22 6al	
	45-90	51	16	33	2.1	66	1.32	18.7	57		
3060	0-45	46	16	38	4.4	59	3.6	14.8	39	C22 6as	
	45-90	39	16	45	9.0	96	11.3	22.7	50		
3062	0-45	46	18	36	7.6	49	5.0	5.8	16	C22 6as	
	45-90	41	16	43	9.0	69	8.3	21.3	50		
3063	0-45	44	18	38	2.5	58	2.0	17.2	45	C22 6al	
	45-90	54	13	33	1.84	78	2.1	21.2	64		
3064	0-45	39	15	46	0.92	49	0.74	12.9	28	C32 6al	
	45-90	36	16	48	3.65	72	3.60	14.0	29		
3065	0-45	46	13	41	1.4	51	0.90	5.9	14	C31 6as(31)	
	45-90	36	14	50	8.2	71	7.70	18.7	37		
3066	0-45	41	16	43	6.0	71	5.0	11.0	26	C32 6as	
	45-90	36	14	50	9.0	82	9.60	21.6	43		
3067	0-45	39	15	46	3.0	65	2.70	14.5	32	C32 6as	
	45-90	31	18	51	10.0	78	8.80	21.2	42		
3068	0-45	44	15	41	1.2	41	1.0	7.4	18	C32 6a(4al)	
	45-90	41	13	46	2.4	55	1.72	12.3	27		
3069	0-45	34	15	51	8.0	80	8.7	17.9	35	C32 6as	
	45-90	26	15	59	10.2	110	14.8	24.8	42		
3070	0-45	39	15	46	5.0	63	4.40	11.2	24	C32 6al	
	45-90	41	13	46	7.0	75	7.20	20.8	45		
3071	0-45	36	18	46	3.6	65	3.10	6.5	14	C31 6as(a1)	
	45-90	29	18	53	8.5	91	10.4	21.5	41		
3072	0-45	36	16	48	3.0	64	2.50	11.9	25	C32 6al	
	45-90	31	18	51	5.4	80	6.0	16.4	32		
3073	0-45	46	11	43	0.63	53	0.20	11.8	27	C32 6al	
	45-90	43	9	48	5.5	75	5.30	20.7	43		

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Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
3074	0-45	31	14	55	7.2	78	7.40	25.4	46	C32 6as	
	45-90	26	14	60	9.0	116	14.0	42.0	70		
3075	0-45	13	14	66	7.0	80	7.2	20.0	30	C32 6as	
	45-90	18	17	65	9.0	143	17.4	37.0	57		
3076	0-45	26	14	60	2.5	71	0.89	10.3	17	C36 4a	
	45-90	23	14	63	2.5	71	0.89	10.3	17		
3077	0-45	26	14	60	0.99	64	0.24	11.7	20	C32 6a	
	45-90	21	16	63	2.10	66	1.33	18.2	30		
3078	0-45	23	9	68	2.7	55	1.30	11.1	16	C32 6a(4a)	
	45-90	23	19	58	7.5	97	9.80	26.2	45		
3079	0-45	36	19	45	6.8	66	5.50	19.7	44	C36 6as	
	45-90	28	17	55	9.0	78	9.00	20.6	37		
3080	0-45	26	21	53	2.5	74	1.95	18.8	38	C32 6a	
	45-90	21	21	58	6.2	79	5.90	21.7	37		
3081	0-45	33	19	48	2.3	70	1.23	8.8	18	C32 6as(4a)	
	45-90	33	22	45	8.5	97	11.0	26.6	59		
3082	0-45	31	9	60	6.9	65	5.5	21.3	36	C32 6as	
	45-90	28	9	63	9.0	89	10.8	27.6	44		
3083	0-45	28	17	55	1.22	71	0.45	17.1	31	C32 6a	
	45-90	28	17	55	5.9	75	5.00	19.4	35		
3084	0-45	28	14	58	3.6	64	2.40	13.6	22	C32 6a	
	45-90	28	9	63	7.0	110	10.20	23.8	38		
3085	0-45	31	14	55	1.02	57	0	18.0	33	C32 6a	
	45-90	31	11	58	7.2	87	7.80	26.2	45		
3090	0-45	28	14	58	1.0	64	0.40	11.6	20	C32 6a	
	45-90	23	17	60	6.0	79	5.60	19.6	33		
3091	0-45	31	14	55	1.55	67	1.00	19.0	35	C32 6a	
	45-90	33	12	55	5.8	88	6.20	21.4	39		
3095	0-45	36	14	50	4.4	70	3.30	27.1	54	C32 6a	
	45-90	28	14	58	6.8	79	6.70	23.3	40		
3096	0-45	28	17	55	1.05	68	0.17	17.4	32	C32 6a	
	45-90	23	17	60	6.0	82	5.8	23.2	39		
3097	0-45	28	17	55	6.0	73	5.4	19.0	35	C32 6as	
	45-90	36	14	50	7.5	97	9.7	25.5	51		
3103	0-45	49	13	38	4.5	58	2.8	10.0	26	C22 6as	
	45-90	46	11	43	9.0	70	8.3	19.3	45		
3104	0-45	46	14	40	1.2	57	0.4	8.0	20	C22 6al	
	45-90	33	17	50	5.0	70	4.0	16.0	32		
3105	0-45	38	14	48	7.5	71	6.8	20.8	43	C32 6as	
	45-90	31	16	53	8.5	78	9.3	24.3	46		
3108	0-45	33	14	53	0.64	59	0	12.4	23	C34 6a	
	45-90	16	16	68	5.0	75	4.4	18.4	27		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
3109	0-45	36	14	50	4.5	68	3.1	12.9	26	C32	6as
	45-90	41	9	50	8.2	75	8.4	20.0	40		
3110	0-45	38	14	48	7.5	64	5.7	14.3	30	C32	6as
	45-90	33	14	53	11.0	70	10.4	17.2	32		
3111	0-45	26	14	60	1.4	65	1.4	17.0	28	C34	6a
	45-90	28	12	60	7.0	90	9.0	27.0	45		
3112	0-45	31	14	55	6.5	75	7.1	20.9	38	C36	6as
	45-90	38	12	50	3.5	64	3.0	12.2	24		
3113	0-45	28	14	58	0.7	57	0.7	18.5	32	C32	6a
	45-90	26	14	60	7.2	83	8.3	28.9	48		
3114	0-45	44	14	43	0.63	49	0.6	13.0	30	C32	6a1
	45-90	41	11	48	4.6	66	4.3	18.5	38		
3115	0-45	34	16	50	6.0	76	6.3	25.7	51	C32	6as
	45-90	29	13	58	1.55	60	1.4	19.4	33		
3116	0-45	44	13	43	1.8	58	1.5	16.5	38	C36	6a1
	45-90	34	13	53	6.0	77	6.9	20.1	38		
3117	0-45	41	11	48	1.28	59	1.0	10.2	21	C32	6a1
	45-90	36	14	50	5.5	69	5.3	14.7	29		
3118	0-45	36	16	48	1.9	57	1.60	16.8	35	C32	6a1
	45-90	23	14	63	4.8	74	4.90	22.7	36		
3119	0-45	39	16	45	2.5	56	2.0	13.6	30	C32	6a1
	45-90	35	15	50	5.2	70	5.1	20.1	40		
3120	0-45	27	13	60	0.43	59	0.7	11.7	20	C32	6a
	45-90	27	15	58	2.4	72	2.4	16.8	29		
3127	0-45	37	15	48	2.5	60	2.1	18.3	38	C32	6a1
	45-90	30	15	55	7.5	76	7.7	21.1	38		
3128	0-45	30	15	55	0.5	62	0.5	13.9	25	C32	6a
	45-90	32	13	55	3.7	71	3.5	16.9	31		
3129	0-45	32	18	50	2.2	65	1.5	6.1	12	C37	6a(2)
	45-90	32	13	55	6.0	74	5.9	17.7	32		
3130	0-45	40	15	45	1.16	53	0.8	16.8	37	C32	6a1
	45-90	42	13	45	4.0	7	4.2	21.0	47		
3132	0-45	39	14	47	0.44	53	0.3	4.9	10	C31	3a1
	45-90	37	11	52	1.20	62	1.1	11.7	22		
3133	0-45	47	11	40	0.52	51	0.25	5.3	13	C31	3a1
	45-90	32	13	55	1.3	55	0.8	11.2	20		
3134	0-45	32	11	57	0.29	60	0.20	4.6	8	C31	3a
	45-90	39	11	50	0.94	64	0.60	8.6	17		
3135	0-45	32	13	55	0.3	60	0.20	4.2	8	C31	3a
	45-90	32	11	57	0.8	62	0.50	8.7	15		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
3136	0-45	44	14	42	0.55	49	0.4	10.0	24	C32	6a1
	45-90	42	11	47	4.2	58	3.0	12.2	26		
3137	0-45	37	11	52	0.32	58	0.2	3.4	7	C31	3a
	45-90	37	11	52	0.72	55	0.4	12.6	24		
3138	0-45	32	13	55	0.28	62	0.2	4.6	8	C31	3a
	45-90	34	11	55	0.84	55	0.6	10.6	19		
3139	0-45	42	11	47	0.26	53	0.2	3.8	8	C31	31
	45-90	39	9	52	0.90	56	0.6	7.4	14		
3140	0-45	52	16	32	0.50	61	0.4	7.2	22	C22	6a1
	45-90	49	9	42	3.0	59	2.4	16.0	38		
3141	0-45	39	11	50	0.26	56	0.4	2.8	6	C31	2
	45-90	42	8	50	0.50	51	0.4	5.2	10		
3142	0-45	44	14	42	1.07	49	0.3	1.3	3	C35	31
	45-90	34	11	55	0.68	53	0.5	5.5	10		
3143	0-45	41	14	42	0.38	51	0.2	2.2	5	C31	31
	45-90	39	11	50	0.92	56	0.6	5.6	11		
3144	0-45	31	12	57	3.60	62	2.6	7.8	14	C37	6a(2)
	45-90	41	7	52	6.5	66	5.4	15.0	29		
3145	0-45	48	20	32	0.70	53	0.5	5.9	18	C22	6a1
	45-90	58	7	35	2.80	64	2.2	23.0	65		
3146	0-45	16	7	77	0.38	83	0.4	9.2	12	C33	3a
	45-90	26	9	65	2.85	82	3.1	13.7	21		

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Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0- 0.02 mm.	Silt 0.02- 0.002 mm.	Clay 0.002 mm.							
3690	0-45	25	10	65	1.10	74	0.93	11.1	17	C34	4a
	45-90	38	15	47	2.60	71	2.50	11.1	23		
3691	0-45	40	13	47	1.00	60	0.83	10.8	23	C34	6a1
	45-90	30	13	57	3.20	68	3.20	13.2	23		
3692	0-45	40	13	47	4.90	60	4.0	20.0	42	C32	6a1
	45-90	33	12	55	4.80	65	4.4	20.4	37		
3693	0-45	33	12	55	1.90	69	1.74	15.9	28	C34	6a
	45-90	18	12	70	3.40	79	3.20	15.6	22		
3694	0-45	40	13	47	7.20	71	6.80	17.6	33	C34	6as
	45-90	30	13	57	8.00	72	7.50	22.1	52		
3695	0-45	33	12	55	2.90	65	2.50	12.7	23	C36	6as
	45-90	25	18	57	8.20	79	9.0	27.0	47		
3696	0-45	33	12	55	2.90	68	2.60	15.8	28	C34	6as
	45-90	43	12	45	9.00	80	9.40	23.4	52		
3697	0-45	33	12	55	0.95	69	0.95	9.4	17	C32	6a(4a)
	45-90	38	12	50	5.00	55	3.60	14.8	29		
3698	0-45	38	12	50	1.30	57	1.00	9.4	18	C36	6a(4a)
	45-90	28	12	60	2.30	65	2.80	16.0	26		
3699	0-45	43	12	45	0.64	57	0.43	6.8	15	C32	6a(4a1)
	45-90	35	13	52	2.10	73	2.10	15.9	35		
3700	0-45	33	12	55	2.0	63	1.60	11.2	20	C34	6a
	45-90	25	13	62	5.0	71	4.60	23.4	37		
3701	0-45	43	15	42	0.55	58	0.44	6.8	16	C34	6a(4a1)
	45-90	35	13	52	2.60	64	2.20	13.0	25		
3702	0-45	25	13	62	1.20	68	1.10	13.3	21	C34	6a
	45-90	30	13	57	4.40	81	4.4	17.6	30		
3703	0-45	35	13	52	0.62	62	0.54	10.7	20	C34	6a
	45-90	32	11	57	2.20	69	1.90	18.5	32		
3704	0-45	47	11	42	4.70	53	3.20	15.2	36	C34	6as
	45-90	45	10	45	10.4	71	10.6	26.2	58		
3705	0-45	35	10	55	0.55	65	0.50	6.3	11	C33	3a
	45-90 90-150	25	13	62	3.00 4.80	69	2.50	14.3	22		
3706	0-45	30	13	57	1.60	72	1.45	10.5	18	C32	4a
	45-90	27	11	62	5.20	73	4.90	15.1	24		
3707	90-150				6.00					C31	2
	0-45	35	10	55	0.54	60	0.37	4.4	8		
3708	45-90	27	11	62	1.60	61	1.14	9.3	15	C31	3a
	90-150				2.57						
3709	0-45	35	10	55	0.70	60	0.30	5.3	9	C31	3a
	45-90	30	10	60	1.50	72	1.40	13.0	21		
3710	90-150				3.60					C32	6a(4a)
	0-45	30	10	60	0.97	64	0.80	11.6	19		
3710	45-90	27	8	65	4.00	64	3.40	18.6	28	C31	3a
	90-150				4.00						
3710	0-45	25	10	65	0.45	68	0.34	8.5	13	C31	3a
	45-90	22	13	65	2.40	71	2.10	11.5	17		
	90-150				2.90						

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0- 0.02 mm.	Silt 0.02- 0.002 mm.	Clay 0.002 mm.							
3711	0-45	37	8	55	0.37	57	0.14	3.1	5	C31	3a
	45-90	47	11	42	0.41	57	0.28	7.7	18		
	90-150				2.60						
3712	0-45	22	13	65	0.66	65	0.49	8.3	13	C31	2
	45-90	24	12	64	2.05	66	1.70	8.7	13		
	90-150				5.40						
3713	0-45	27	12	61	0.90	65	0.65	4.9	8	C31	6a(2)
	45-90	23	35	42	5.20	72	5.4	15.4	37		
	90-150				3.80						
3714	0-45	24	12	64	0.45	61	0.23	1.4	2	C31	2
	45-90	27	14	59	1.48	66	1.15	7.2	12		
	90-150				3.70						
3715	0-45	24	15	61	0.31	51	0.20	0.2	0.3	C31	2
	45-90	22	12	66	1.20	59	0.82	4.8	7		
	90-150				3.50						
3716	0-45	20	11	69	0.36	66	0.17	1.4	2	C31	2
	45-90	17	14	69	1.60	68	1.30	4.3	6		
	90-150				2.90						
3717	0-45	27	12	61	0.38	64	0.24	1.8	3	C31	2
	45-90	22	12	66	1.70	70	1.40	4.6	6		
	90-150				2.20						
3718	0-45	19	12	69	0.45	70	0.35	0.8	1	C31	2
	45-90	22	9	69	1.65	72	1.16	5.6	8		
	90-150				3.30						
3719	0-45	19	15	66	0.30	66	0.17	1.4	2	C31	2
	45-90	19	15	66	1.35	68	0.86	5.5	8		
	90-150				2.30						
3720	0-45	27	12	61	0.54	62	0.38	1.6	3	C31	2
	45-90	22	14	64	2.05	66	1.60	6.4	10		
	90-150				3.20						
3721	0-45	24	17	59	0.40	64	0.16	0.6	1	C31	2
	45-90	22	17	61	2.00	68	1.60	2.8	4		
	90-150				3.00						
3722	0-45	27	14	59	0.34	68	0.25	0.6	1	C31	2
	45-90	19	15	66	3.20	63	2.20	6.6	10		
	90-150				4.00						
3723	0-45	28	12	60	0.48	68	0.34	7.7	12	C31	3a
	45-90	26	11	63	1.55	66	1.34	12.7	20		
	90-150				2.90						
3724	0-45	31	11	58	0.42	61	0.23	4.2	7	C31	3a
	45-90	33	12	55	1.22	100	1.50	10.9	19		
	90-150				2.80						
3725	0-45	36	14	50	0.34	60	0.22	4.6	9	C31	3a
	45-90	33	12	53	0.75	66	0.66	10.5	19		
	90-150				2.80						
3726	0-45	36	11	53	0.32	71	0.18	4.2	8	C31	2
	45-90	31	11	58	0.85	48	0.48	5.9	10		
	90-150				0.84						
3727	0-45	41	11	48	0.32	61	0.23	6.6	13	C31	3a1
	45-90	31	14	55	1.55	67	1.10	8.5	15		
	90-150				2.00						
3728	0-45	31	11	58	0.45	47	0.23	7.8	13	C31	3a
	45-90	33	12	55	1.50	60	1.20	9.6	17		
	90-150				2.90						
3729	0-45	36	11	53	0.37	63	0.32	6.1	11	C31	3a
	45-90	31	11	58	1.20	63	0.95	12.2	21		
	90-150				3.00						
3730	0-45	23	14	63	0.33	70	0.35	9.2	14	C31	3a
	45-90	23	14	63	1.20	67	1.10	12.5	20		
	90-150				3.50						

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Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0- 0.02 mm.	Silt 0.02 0.002 mm.	Clay 0.002 mm.							
3731	0-45	28	17	55	0.48	66	1.23	8.4	>15	C31	6a(4a)
	45-90	28	12	60	3.60	75	3.80	22.6	37		
	90-150				3.20						
3732	0-45	21	11	68	0.40	74	0.37	6.8	10	C31	3a
	45-90	23	14	63	1.40	73	1.27	14.7	23		
	90-150				2.40						
3733	0-45	28	12	60	0.63	70	0.52	9.1	>15	C32	4a
	45-90	23	14	63	2.00	69	0.37	3.6	6		
	90-150				2.60						
3734	0-45	21	16	63	0.49	67	0.42	11.6	18	C32	4a
	45-90	18	14	68	2.10	78	1.95	16.4	24		
	90-150				2.90						
3735	0-45	21	14	65	0.44	68	0.34	8.5	13	C31	3a
	45-90	21	14	65	1.60	75	1.40	13.0	20		
	90-150				2.50						
3736	0-45	26	11	63	0.90	72	0.71	7.3	11	C31	3a
	45-90	26	11	63	2.60	71	2.30	13.7	21		
	90-150				3.40						
3737	0-45	33	12	55	0.41	77	0.40	4.8	8	C31	3a
	45-90	23	14	63	1.20	72	1.17	10.0	>15		
	90-150				3.50						
3738	0-45	28	12	60	0.34	63	0.32	5.3	9	C31	6a(2)
	45-90	28	12	60	1.65	62	1.34	15.1	>25		
	90-150				3.20						
3739	0-45	26	11	63	0.48	58	0.37	7.2	11	C31	2
	45-90	31	11	58	2.40	72	2.00	5.2	8		
	90-150				3.00						
3740	0-45	38	12	50	0.41	59	0.15	5.0	10	C31	3a
	45-90	36	11	53	0.42	57	0.28	8.5	16		
	90-150				1.90						
3741	0-45	26	11	63	0.51	73	0.37	6.0	9	C31	3a
	45-90	23	14	63	1.22	72	1.08	11.7	18		
	90-150				2.80						
3742	0-45	31	11	58	0.48	68	0.34	6.5	11	C31	3a
	45-90	23	14	63	1.15	69	0.95	11.0	17		
	90-150				3.50						
3743	0-45	28	12	60	0.71	69	0.43	3.6	6	C31	3a
	45-90	26	14	60	1.40	68	1.20	10.8	17		
	90-150				3.30						
3744	0-45	31	11	58	0.44	67	0.42	8.4	14	C31	3a
	45-90	26	11	63	1.75	73	1.70	10.7	17		
	90-150				3.10						
3745	0-45	36	11	53	0.40	65	0.32	9.7	18	C32	4a
	45-90	28	12	60	1.50	60	1.20	13.6	22		
	90-150				2.80						
3746	0-45	31	11	58	0.39	66	0.33	6.9	11	C31	3a
	45-90	23	14	63	2.20	68	2.10	15.5	24		
	90-150				4.90						
3747	0-45	31	11	58	0.45	73	0.46	10.7	18	C32	4a
	45-90	31	14	55	2.60	71	2.40	13.6	24		
	90-150				-						
3748	0-45	26	11	63	0.58	72	0.54	7.5	11	C31	3a
	45-90	26	11	63	2.00	72	1.90	12.1	19		
	90-150				3.00						
3749	0-45	36	11	53	0.64	60	0.53	8.7	16	C32	6a/4a
	45-90	33	12	55	2.70	67	2.50	19.1	34		
	90-150				4.40						
3750	0-45	33	12	55	1.12	62	0.85	7.9	14	C31	3a
	45-90	28	12	60	3.60	64	2.90	14.7	24		
	90-150				-						

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
3751	0-45	28	17	55	0.44	63	0.32	6.5	11	C31	3a
	45-90	31	16	63	1.70	68	1.62	13.6	21		
3752	90-150	31	16	63	3.70					C32	6a
	0-45	33	12	55	0.55	65	0.49	15.5	28		
3753	45-90	23	14	63	2.40	61	2.00	12.4	19	A12	6a
	90-150	23	14	63	4.60						
3754	0-45	28	12	60	0.42	67	0.34	18.1	30	C32	6a(4a)
	45-90	18	14	68	2.20	68	2.14	20.7	30		
3755	90-150	28	12	60	4.20					C32	3a
	0-45	38	12	50	0.40	62	0.31	3.3	6		
3756	45-90	33	12	55	0.90	55	0.62	9.8	17	C31	3a
	90-150	26	11	63	3.50	64	0.48	9.1	14		
3757	0-45	21	11	68	0.60	69	4.30	16.1	23	A12	6a
	45-90	26	14	60	0.54	62	0.47	13.5	22		
3758	90-150	21	14	65	3.90	72	3.70	21.9	33	A12	6a
	0-45	21	14	65	4.50	65	0.41	13.6	20		
3759	45-90	21	11	68	2.20	70	2.10	17.5	25	C31	3a
	90-150	35	11	54	3.90	58	0.37	6.8	12		
3760	0-45	35	11	54	0.46	57	0.54	10.6	19	A12	4a
	45-90	35	11	54	0.78	57	0.54	10.6	19		
3761	90-150	20	13	67	2.40	65	0.41	12.4	18	A12	6a(4a)
	0-45	20	13	67	0.48	65	0.41	12.4	18		
3762	45-90	28	10	62	1.90	67	1.70	15.1	25	A12	6a(4a)
	90-150	28	10	62	4.00	59	0.73	12.1	18		
3763	0-45	20	13	67	0.80	77	4.60	19.0	28	A12	6a(4a)
	45-90	23	10	67	4.50	68	0.67	12.5	18		
3764	90-150	18	13	69	6.00	77	3.20	17.6	29	A12	6a
	0-45	18	13	69	0.55	63	0.56	13.8	20		
3765	45-90	20	13	67	0.58	71	3.00	18.2	26	A12	6a
	90-150	20	11	69	3.20	59	0.59	13.8	20		
3766	0-45	18	13	69	0.65	75	6.20	21.8	31	A12	6a(4a)
	45-90	18	13	69	6.30	69	0.52	11.1	16		
3767	90-150	23	10	67	6.80	73	2.60	19.8	29	A12	6a
	0-45	23	10	67	0.49	67	0.60	13.8	22		
3768	45-90	25	11	64	0.62	68	3.50	10.5	13	C31	3a
	90-150	10	11	79	3.60	67	0.33	5.3	9		
3769	0-45	25	13	62	0.38	70	0.97	8.6	15	C31	3a
	45-90	23	20	57	1.10	63	0.31	6.9	11		
3770	90-150	30	11	59	2.10	65	1.15	11.2	18	C31	3a
	0-45	30	11	59	0.40	62	0.47	5.1	8		
3771	45-90	25	13	62	1.40	63	1.90	12.5	22	C31	3a
	90-150	27	13	60	4.00	57	0.28	3.7	9		
3772	0-45	45	13	42	0.48	65	0.65	5.7	12	C34	6a
	45-90	45	10	45	0.99	55	0.48	11.5	21		
3773	90-150	35	10	55	1.20	65	1.95	15.2	25	C34	6a
	0-45	35	10	55	0.70	55	0.48	11.5	21		
3774	45-90	30	10	60	2.30	65	1.95	15.2	25	C34	6a
	90-150	30	10	60	3.20	65	1.95	15.2	25		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
3772	0-45	37	13	50	0.36	55	0.15	2.2	4	C31 2	
	45-90	35	10	55	0.86	63	0.40	4.4	3		
	90-150										
3773	0-45	40	10	50	0.76	57	0.57	13.4	26	C34 6a	
	45-90	35	8	57	3.20	59	2.50	19.9	34		
	90-150				4.50						
3774	0-45	35	10	55	0.46	64	0.24	3.8	7	C31 3a	
	45-90	32	6	62	0.75	63	0.60	9.4	16		
	90-150				3.20						
3775	0-45	42	16	42	0.48	54	0.34	7.7	18	C36 6a(4a1)	
	45-90	32	11	57	4.50	52	3.30	17.9	31		
	90-150				5.40						
3776	0-45	37	11	52	0.55	58	0.37	3.6	6	C33 2	
	45-90	32	11	57	1.20	65	0.82	7.2	12		
	90-150				1.25						
3777	0-45	40	5	55	1.60	65	1.30	11.9	21	C34 6a	
	45-90	25	10	65	5.10	50	3.40	19.0	29		
	90-150										
3778	0-45	27	11	62	0.37	57	0.28	4.5	7	C32 2	
	45-90	22	16	62	0.43	64	0.32	8.9	14		
	90-150				1.60						
3779	0-45	27	8	65	0.42	59	0.29	6.1	15	C34 6a(4a)	
	45-90	20	15	65	2.20	59	1.60	16.4	25		
	90-150				3.60						
3780	0-45	17	16	67	2.30	62	1.80	15.8	24	C32 6a	
	45-90	15	15	70	7.00	88	7.50	26.1	37		
	90-150				7.50						
3781	0-45	30	13	57	2.80	65	2.3	15.3	27	C36 6a	
	45-90	20	10	70	5.20	67	4.8	24.0	34		
	90-150				3.80						
4063	0-45	35	17	48	4.5	70	3.5	6.3	35	C32 6a1	
	45-90	28	18	50	6.9	120	10.5	7.5	46		
4064	0-45	25	19	56	1.65	96	1.17	6.4	33	C32 6a	
	45-90	27	15	58	7.5	97	6.3	16.1	46		
4065	0-45	32	17	51	4.8	90	3.8	6.6	33	C32 6a	
	45-90	24	18	58	6.2	113	8.6	4.2	42		
4066	0-45	40	14	46	1.25	53	0.7	1.7	25	C32 6a1	
	45-90	30	19	51	4.6	76	5.0	5.0	31		
4067	0-45	30	37	33	1.1	54	1.30	4.9	45	C22 6a1	
	45-90	65	7	28	1.15	55	0.70	2.1	47		
4068	0-45	52	10	38	0.60	50	0.4	0.6	25	C22 6a1	
	45-90	57	10	33	2.05	47	1.75	0.2	25		
4070	0-45	42	15	43	1.65	54	1.15	3.2	31	C32 6a1	
	45-90	42	12	46	7.0	68	6.40	7.6	38		
4071	0-45	37	17	46	3.6	62	2.5	7.9	17	C32 6a(4a)	
	45-90	34	13	53	7.5	97	4.7	8.7	35		
4072	0-45	47	12	41	0.60	48	0.36	6.4	40	C32 6a1	
	45-90	52	10	38	2.80	66	2.4	3.2	35		
4073	0-45	37	15	48	1.85	60	1.36	8.6	39	C36 6a	
	45-90	40	12	48	3.2	74	7.60	2.0	46		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0- 0.02 mm.	Silt 0.02- 0.002 mm.	Clay 0.002 mm.							
4052	0-45	41	16	43	2.6	62	2.0	18.8	44	C36	6a1
	45-90	34	18	48	5.5	72	5.2	23.6	49	C32	6a
4053	0-45	51	21	28	1.1	55	0.8	15.2	54	C22	6a1
	45-90	49	13	38	1.7	94	1.65	18.35	48	C34	6a
4054	0-45	35	17	48	5.4	66	4.35	14.05	29	C36	6as
	45-90	32	18	50	7.5	95	9.2	21.2	42	C32	6as
4055	0-45	25	17	58	2.45	79	1.3	6.7	12	C31	6a(2)
	45-90	29	13	58	6.0	73	5.7	18.7	32	C32	6a
4056	0-45	32	15	53	2.4	64	1.6	13.2	25	C32	6a
	45-90	32	15	53	6.9	83	5.5	25.3	48	C32	6as
4057	0-45	35	17	48	3.65	71	2.9	10.7	22	C32	6as
	45-90	32	12	56	8.5	77	8.4	13.2	24	C33	6a(2)
4058	0-45	30	14	56	4.9	73	4.4	15.6	28	C32	6a
	45-90	25	12	63	7.2	119	11.0	26.2	41	C31	6a(2)
4060	0-45	35	17	48	5.0	69	3.8	14.6	30	C32	6as
	45-90	29	18	53	10.6	82	10.2	21.8	41	C31	6a1
4061	0-45	37	12	51	3.6	74	3.0	16.2	32	C32	6as
	45-90	32	15	53	9.2	78	9.2	22.4	42	C31	6a
4062	0-45	37	15	48	5.5	68	4.6	16.2	32	C36	6as
	45-90	37	15	48	10.6	78	12.8	24.8	52	C21	6a1
4063	0-45	35	17	48	4.5	70	3.5	16.9	35	C32	6a1
	45-90	24	16	60	6.9	120	10.5	27.5	46	C32	6a(4a)
4064	0-45	25	19	56	1.65	96	1.17	18.4	33	C32	6a
	45-90	27	15	58	7.5	97	6.3	26.1	45	C21	6a1
4065	0-45	32	17	51	4.8	90	3.8	16.6	33	C32	6a
	45-90	24	18	58	6.2	113	8.6	24.2	42	C31	6a1
4066	0-45	40	14	46	1.25	55	0.7	11.7	25	C32	6a1
	45-90	30	19	51	4.6	76	5.0	15.8	31	C31	6a1
4067	0-45	30	37	33	1.1	54	1.10	14.9	45	C22	6a1
	45-90	65	7	28	1.18	55	0.70	12.1	43	C31	6a
4068	0-45	52	10	38	0.68	50	0.4	9.6	25	C22	6a1
	45-90	57	10	33	2.05	67	1.75	8.2	25	C31	6a
4070	0-45	42	15	43	1.65	54	1.15	13.2	31	C32	6a1
	45-90	42	12	46	7.0	68	6.40	17.6	38	C31	6a
4071	0-45	37	17	46	3.6	62	2.5	7.9	17	C32	6a(4a1)
	45-90	34	13	53	7.5	97	9.7	18.7	35	C31	6a
4072	0-45	47	12	41	0.60	48	0.36	16.4	40	C32	6a1
	45-90	52	10	38	2.80	66	2.4	13.2	35		
4073	0-45	37	15	48	1.85	60	1.36	18.6	39	C36	6as
	45-90	40	12	48	8.2	74	7.60	22.0	46		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
4121	0-45	38	11	51	0.84	71	0.71	16.1	32	C32	6a
	45-90	35	11	54	5.8	95	6.20	19.4	36		
4122	0-45	35	11	54	2.1	81	1.80	15.8	29	C34	6a
	45-90	missing									
4123	0-45	35	19	46	4.2	77	3.48	19.1	42	C32	6as
	45-90	33	13	54	8.9	94	9.70	19.9	37		
4124	0-45	30	11	59	0.85	73	0.64	14.6	25	C32	6a
	45-90	30	11	59	6.2	98	7.40	16.6	28		
4125	0-45	30	14	56	8.2	86	8.90	20.7	37	C32	6as
	45-90	33	18	49	8.5	132	13.8	27.0	55		
4126	0-45	28	16	56	1.09	65	0.73	8.8	14	C33	6a(2)
	45-90	35	14	51	6.8	86	6.70	14.1	28		
4127	0-45	30	14	56	0.36	45	0.23	4.6	8	C31	6a(2)
	45-90	48	16	36	2.4	51	1.4	11.8	33		
4128	0-45	45	11	44	0.38	56	0.28	5.7	13	C31	3a1
	45-90	35	14	51	0.90	58	0.66	12.2	24		
4129	0-45	33	16	51	0.36	60	0.22	5.4	11	C31	3a
	45-90	40	14	46	1.55	64	1.11	8.5	18		
4130	0-45	45	16	39	0.46	57	0.21	2.2	6	C21	31
	45-90	38	13	49	2.4	63	1.57	5.6	11		
4131	0-45	40	14	46	0.55	67	0.33	7.3	16	C32	6a(4a1)
	45-90	35	16	49	2.8	66	2.10	13.9	28		
4132	0-45	45	19	36	0.38		0.29	4.9	14	C21	3a1
	45-90	40	14	46	3.1		2.40	11.6	25		
4133	0-45	missing								C31	3a1
	45-90	45	16	39	0.64		0.43	8.8	22		
4134	0-45	38	13	49	0.32		0.21	4.6	9	C31	3a1
	45-90	33	10	57	1.35		1.00	9.0	16		
4135	0-45	31	12	57	0.28		0.16	5.4	9	C31	3a
	45-90	28	10	62	1.05		0.78	10.0	16		
4136	0-45	28	12	60	0.38		0.25	5.3	9	C31	3a
	45-90	28	12	60	1.10		0.86	11.1	18		
4137	0-45	33	12	55	0.28		0.16	3.0	5	C31	3a
	45-90	30	14	56	1.0		0.70	11.3	20		
4138	0-45	33	11	56	0.42		0.20	3.8	7	C31	3a
	45-90	38	11	51	3.40		2.30	11.3	22		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
4665	0-45	46	11	43	0.56	50	0.36	3.2	7	C31	3a1
	45-90	36	11	53	2.00	59	1.48	10.5	19		
	90-150				3.70						
4666	0-45	36	11	53	1.30	60	0.90	10.7	20	C34	6a
	45-90	39	10	51	5.20	75	4.90	20.7	40		
	90-150				5.80						
4667	0-45	25	12	63	2.0	65	1.60	12.0	19	C34	6a
	45-90	missing									
	90-150				5.00						
4668	0-45	31	11	58	1.02	62	0.80	12.8	22	C34	6a
	45-90	25	12	63	4.00	77	3.80	21.4	34		
	90-150				4.05						
4669	0-45	21	11	68	2.80	73	2.60	17.4	25	C34	6a
	45-90	19	13	68	5.20	88	5.70	27.1	39		
	90-150				4.40						
4670	0-45	36	11	53	1.85	66	1.60	14.8	27	C34	6a
	45-90	21	13	66	6.00	78	5.90	27.3	41		
	90-150				6.80						
4671	0-45	41	11	48	1.68	71	1.52	12.5	26	C34	6a1
	45-90	31	11	58	5.00	73	4.70	26.5	45		
	90-150				6.00						
4672	0-45	29	10	61	2.70	71	2.40	18.4	30	C36	6a
	45-90	29	15	56	2.60	66	2.00	14.0	25		
	90-150				3.40						
4673	0-45	29	10	61	6.30	71	5.60	18.4	30	C34	6as
	45-90	25	12	63	7.00	73	6.30	24.1	39		
	90-150				6.80						
4674	0-45	36	11	53	3.80	75	3.60	19.2	36	C34	6a
	45-90	29	10	61	4.70	82	5.10	34.9	57		
	90-150				3.70						
4675	0-45	46	11	43	0.54	48	0.36	5.6	13	C33	6a(31)
	45-90	41	11	48	0.88	62	0.78	14.8	30		
	90-150				2.80						
4676	0-45	31	13	56	2.70	70	2.20	11.8	21	C34	6a
	45-90	24	15	61	5.00	78	4.70	23.7	38		
	90-150				6.00						
4677	0-45	41	11	48	1.80	57	1.14	6.9	14	C33	6a(31)
	45-90	31	13	56	5.20	70	4.60	22.6	40		
	90-150				5.80						
4678	0-45	25	12	63	3.30	63	2.50	11.1	17	C34	6a/4a
	45-90	54	10	36	6.00	50	3.40	11.8	32		
	90-150				6.30						
4679	0-45	34	10	56	0.70	67	0.40	15.6	27	C34	6a
	45-90	24	13	63	3.10	69	2.30	15.7	25		
	90-150				3.60						
4680	0-45	25	7	58	0.86	73	0.73	12.1	20	C34	6a
	45-90	29	10	61	3.60	72	3.10	16.1	26		
	90-150				6.00						
4681	0-45	34	8	58	1.40	70	1.15	13.6	23	C32	6a
	45-90	25	12	63	3.70	71	3.20	17.6	27		
	90-150				6.20						
4682	0-45	29	10	61	2.20	64	1.77	17.8	29	C34	6a
	45-90	29	10	61	3.70	74	3.30	22.3	36		
	90-150				6.60						
4683	0-45	34	10	56	2.70	61	2.00	15.60	27	C34	6a
	45-90	29	10	61	3.90	74	4.00	31.2	51		
	90-150				5.00						
4684	0-45	44	10	46	0.59	57	0.43	7.6	16	C32	6a(4a1)
	45-90	34	10	56	3.00	67	2.50	20.3	36		
	90-150				6.00						

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0- 0.02 mm.	Silt 0.02- 0.002 mm.	Clay 0.002 mm.							
4685	0-45	36	11	53	0.76	56	0.49	11.1	20	C32	6a
	45-90	29	13	58	2.50	66	2.00	17.6	30		
	90-150				4.20						
4686	0-45	34	10	56	0.20	55	0.07	1.1	1	C35	3a
	45-90	24	13	63	2.90	78	2.70	11.3	18		
	90-150				-						
4687	0-45	31	11	58	3.90	68	3.20	20.0	34	C34	6a
	45-90	31	11	58	3.80	63	3.00	23.4	40		
	90-150				6.40						
4688	0-45	36	11	53	1.38	61	0.93	11.1	20	C34	6a
	45-90	29	10	61	4.20	74	3.70	19.1	31		
	90-150				6.40						
4689	0-45	31	11	58	2.10	75	1.90	10.1	17	C34	6a(4a)
	45-90	24	13	63	4.50	71	4.0	23.2	36		
	90-150				5.60						
4690	0-45	25	17	58	2.40	66	2.00	16.0	27	C32	6a
	45-90	24	13	63	5.20	79	5.20	20.0	31		
	90-150				-						
4691	0-45	36	11	53	0.38	57	0.30	5.3	10	C31	3a
	45-90	36	11	53	0.70	55	0.49	12.3	23		
	90-150				2.20						
4692	0-45	29	10	61	0.48	60	0.30	8.9	14	C31	6a(2)
	45-90	29	10	61	2.50	65	2.00	16.4	26		
	90-150				4.60						
4693	0-45	25	13	63	1.50	69	1.12	8.1	11	C33	3a
	45-90	29	10	61	2.90	78	2.60	14.2	23		
	90-150				4.10						
4694	0-45	31	10	58	1.35	67	0.92	9.5	16	C34	6a(4a)
	45-90	25	12	63	4.60	75	4.20	19.8	31		
	90-150				5.50						
4695	0-45	29	10	61	0.90	60	0.60	8.2	13	C31	3a
	45-90	29	10	61	3.80	68	3.20	14.0	22		
	90-150				5.30						
4696	0-45	44	10	46	0.50	52	0.26	2.5	5	C31	3a1
	45-90	41	16	43	0.95	64	0.64	9.4	21		
	90-150				3.10						
4697	0-45	44	10	46	0.95	55	0.55	8.2	17	C36	6a(4a1)
	45-90	36	11	53	2.40	68	1.95	14.0	26		
	90-150				-						
4698	0-45	44	10	46	0.90	48	0.54	5.5	11	C35	3a1
	45-90	39	10	51	3.00	64	2.20	12.2	24		
	90-150				4.50						
4699	0-45	29	10	61	0.80	64	0.63	10.6	17	C32	6a(4a)
	45-90	28	13	59	3.80	68	3.70	18.7	31		
	90-150				5.00						
4700	0-45	29	13	58	0.48	65	0.41	6.8	11	C31	6a(2)
	45-90	29	13	58	1.75	69	1.30	15.5	26		
	90-150				5.80						
4701	0-45	25	12	63	2.40	53	1.60	13.6	21	C34	6a
	45-90	24	13	63	4.80	75	4.60	21.0	23		
	90-150				6.10						
4702	0-45	25	14	61	1.50	69	1.20	11.2	18	C34	6a(4a)
	45-90	24	13	63	4.90	70	3.80	21.4	33		
	90-150				5.80						
4703	0-45	34	8	58	1.50	58	0.94	6.7	11	C33	3a
	45-90	25	12	63	2.80	71	2.60	15.4	24		
	90-150				5.00						
4704	0-45	34	10	56	2.00	71	1.90	8.9	> 15	C34	6a(4a)
	45-90	21	13	66	4.40	73	4.60	17.8	27		
	90-150				5.00						

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
4705	0-45	29	10	61	5.40	80	6.20	23.4	38	C36	6as
	45-90 90-150	25	14	61	6.00 5.00	97	8.30	22.9	37		
4706	0-45	29	10	61	3.20	78	3.30	10.3	16	C34	6a(4a)
	45-90 90-150	24	13	63	6.10 5.70	85	7.50	20.5	32		
4707	0-45	25	12	63	5.30	75	5.40	15.8	25	C34	6as
	45-90 90-150	24	13	63	5.90 6.50	88	6.90	18.7	29		
4708	0-45	34	10	56	3.00	77	3.20	15.6	27	C34	6a
	45-90 90-150	21	13	66	5.60 7.00	77	5.90	27.7	42		
4710	0-45	34	10	56	0.70	68	0.60	5.8	10	C31	3a
	45-90 90-150	20	15	65	3.20 -	74	3.10	14.5	22		
4711	0-45	30	13	57	0.65	66	0.58	3.8	6	C31	2
	45-90 90-150	28	12	60	2.10 3.80	69	1.80	7.0	11		
4713	0-45	30	13	57	1.75	72	1.50	9.7	17	C34	6a(4a)
	45-90 90-150	18	15	67	4.50 4.90	79	4.90	21.9	32		
4714	0-45	25	18	57	2.70	70	2.50	10.7	18	C34	6a(4a)
	45-90 90-150	18	17	65	7.00 -	86	8.10	21.9	33		
4712	0-45	30	13	57	1.32	70	1.15	10.4	18	C34	4a
	45-90 90-150	20	13	67	3.10 4.90	74	3.00	15.4	23		
4715	0-45	25	13	62	2.80	83	3.00	16.2	26	C34	6a
	45-90 90-150	18	20	62	7.00 -	94	8.70	24.5	39		
4716	0-45	28	12	60	0.90	75	0.94	15.1	25	C34	6a
	45-90 90-150	18	15	67	4.70 6.20	75	4.50	24.7	36		
4717	0-45	23	15	62	1.00	80	1.00	8.2	11	C31	3a
	45-90 90-150	18	15	67	5.00 6.10	87	5.40	17.0	25		
4718	0-45	28	12	60	2.20	81	2.25	10.9	18	C34	6a(4a)
	45-90 90-150	20	13	67	6.30 6.30	83	6.80	20.0	29		
4719	0-45	20	15	65	1.70	73	1.60	14.4	22	C32	6a
	45-90 90-150	15	13	72	4.50 4.60	81	4.70	24.9	34		
4720	0-45	25	13	62	2.90	73	2.60	15.4	25	C34	6a
	45-90 90-150	23	15	62	2.90 6.60	76	2.90	14.7	23		
4721	0-45	21	14	65	6.00	86	7.0	30.2	46	C36	6as
	45-90 90-150	33	12	55	3.80 6.50	65	2.80	8.0	14		
4722	0-45	25	13	62	4.40	48	2.90	22.7	36	C34	6as
	45-90 90-150	35	13	52	1.80 5.80	68	1.70	11.1	21		
4723	0-45	30	13	57	5.60	68	5.30	15.9	27	C36	6as
	45-90 90-150	25	15	60	2.20 5.60	56	1.60	9.6	16		
4724	0-45	35	13	52	4.50	70	4.4	16.4	31	C34	6a
	45-90 90-150	25	13	62	3.40 -	66	3.0	9.8	16		
4725	0-45	30	13	57	2.60	70	2.40	0.8	1	C33	6a(2)
	45-90	35	13	52	0.60	62	0.47	14.3	27		
4726	0-45	43	7	50	1.45	59	0.97	2.6	5	C37	3a
	45-90	43	12	45	4.80	58	3.90	11.3	25		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
4727	0-45	35	13	52	3.20	65	2.60	23.8	45	C32	6a
	45-90	25	13	62	6.60	72	6.30	21.3	34		
4728	0-45	23	15	62	0.47	70	0.52	1.9	3	A11	2
	45-90	18	15	67	2.20	78	2.10	9.1	13		
4729	0-45	23	15	62	1.05	71	0.83	4.8	7	A11	2
	45-90	25	13	62	3.00	76	2.90	9.1	14		
4730	0-45	18	15	67	0.60	75	0.57	3.4	5	A11	2
	45-90	15	15	70	2.80	91	3.10	9.7	13		
4731	0-45	20	13	67	0.55	72	0.45	3.5	5	A11	2
	45-90	15	13	72	1.70	75	1.50	10.5	14		
4732	0-45	13	15	72	0.55	75	0.47	4.3	6	A11	2
	45-90	18	15	67	2.80	78	2.60	7.8	11		
4733	0-45	35	13	52	0.52	73	0.45	2.7	5	A11	2
	45-90	13	12	75	2.60	87	2.70	10.1	13		
4734	0-45	23	15	62	0.66	73	0.64	5.8	9	A11	3a
	45-90	18	15	67	2.70	74	2.50	11.1	16		
4735	0-45	20	15	65	0.46	73	0.46	6.7	10	A11	2
	45-90	15	15	70	1.40	75	1.50	8.9	12		
4736	0-45	20	18	62	0.51	68	0.43	4.8	7	A11	3a
	45-90	23	17	60	2.30	73	2.10	11.9	19		
4737	0-45	20	15	65	0.54	72	0.45	2.7	4	A11	3a
	45-90	23	15	62	1.80	66	1.40	9.8	16		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
5041	0-45	34	18	48	2.5	65	1.46	6.54	13	C31	6a(31)
	45-90	32	15	53	7.0	86	7.60	23.6	44		
5042	0-45	34	18	48	6.0	68	4.90	17.9	37	C32	6as
	45-90	22	18	60	9.0	115	12.80	26.4	44		
5043	0-45	30	17	53	6.0	81	5.80	15.0	28	C32	6as
	45-90	27	15	58	10.0	102	12.7	26.9	46		
5044	0-45	37	17	46	1.8	51	1.00	18.2	40	C32	6as
	45-90	30	16	54	9.0	83	8.60	27.0	50		
5045	0-45	35	24	41	1.68	52	0.38	13.62	33	C32	6al
	45-90	32	17	51	5.0	79	4.6	22.2	43		
5046	0-45	35	24	41	2.38	58	1.6	15.6	38	C32	6al
	45-90	34	15	51	4.0	81	3.86	20.54	40		
5047	0-45	32	18	50	4.5	71	3.40	12.6	25	C32	6as
	45-90	34	20	46	8.5	83	8.50	27.5	60		
5048	0-45	34	18	48	0.72	54	0.42	12.38	26	C32	6al
	45-90	32	17	51	1.98	67	1.52	18.48	36		
5049	0-45	34	18	48	4.4	70	3.40	14.6	30	C32	6al
	45-90	25	22	53	6.0	55	4.5	29.9	56		
5050	0-45	32	20	48	6.8	78	6.7	18.5	38	C32	6as
	45-90	25	20	55	6.9	116	9.2	24.8	45		
5051	0-45	37	20	43	7.2	65	6.5	17.1	40	C32	6as
	45-90	45	12	43	12.0	89	14.5	19.1	44		
5052	0-45	37	20	43	5.0	64	4.0	9.6	22	C32	6al
	45-90	30	15	55	8.0	65	9.0	16.2	29		
5053	0-45	50	15	35	2.4	53	1.65	10.75	30	C22	6al
	45-90	37	18	45	4.0	64	3.40	17.4	39		
5054	0-45	39	16	45	4.2	61	3.00	8.6	19	C32	6a(4al)
	45-90	30	20	50	6.5	103	8.90	19.1	38		
5055	0-45	32	18	50	5.0	70	4.4	12.8	26	C32	6a
	45-90	25	20	55	6.0	112	9.0	23.8	43		
5056	0-45	47	13	40	4.0	64	3.4	15.0	37	C22	6al
	45-90	59	13	28	6.0	74	5.9	14.9	53		
5057	0-45	32	23	45	6.5	65	5.3	15.1	34	C32	6as
	45-90	34	16	50	8.0	114	11.9	26.9	53		
5058	0-45	32	15	53	4.4	68	3.60	11.6	22	C32	6a
	45-90	34	18	48	6.8	109	10.0	25.6	53		
5059	0-45	34	16	50	7.2	75	7.10	16.5	33	C32	6as
	45-90	32	15	53	10.0	100	12.6	26.6	50		
5060	0-45	37	18	45	6.8	72	6.2	14.6	33	C32	6as
	45-90	25	15	60	8.8	116	13.5	21.7	36		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E. C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
5061	0-45	29	18	53	2.40	67	1.66	7.1	13	C31	6a(2)
	45-90	32	18	50	8.0	85	9.3	22.7	45		
5062	0-45	34	16	50	3.5	72	3.20	10.0	20	C32	6a
	45-90	29	26	45	5.8	71	5.30	18.3	40		
5063	0-45	32	18	50	3.4	65	2.94	13.9	28	C32	6a
	45-90	19	23	58	6.4	84	7.00	19.4	33		
5064	0-45	37	15	48	0.65	69	0.51	10.7	22	C32	6a1
	45-90	32	15	53	5.4	85	5.90	15.7	30		
5065	0-45	39	16	45	5.5	65	4.50	20.3	45	C32	6as
	45-90	32	18	50	7.5	79	7.60	19.6	39		
5066	0-45	29	21	50	0.85	59	0.51	13.5	27	C32	6a
	45-90	32	18	50	4.5	80	4.70	17.7	35		
5067	0-45	37	15	48	5.2	74	4.70	11.3	24	C32	6as
	45-90	35	15	50	8.2	112	12.50	19.5	39		
5068	0-45	47	12	41	1.05	52	0.60	9.8	24	C32	6a1
	45-90	52	10	38	3.2	62	1.43	9.8	26		
5069	0-45	32	17	51	10.4	79	11.0	22.2	43	C32	6as
	45-90	27	15	58	8.2	135	15.0	24.2	42		
5073	0-45	33	13	54	10.4	85	11.6	20.4	38	C32	6as
	45-90	19	15	66	3.8	160	8.0	28.0	42		
5074	0-45	29	20	51	4.0	71	3.7	14.3	28	C32	6a
	45-90	24	23	53	6.4	87	7.6	18.4	35		
5075	0-45	42	17	41	2.4	55	1.6	14.4	35	C32	6a1
	45-90	54	18	28	1.9	66	1.5	15.3	55		
5114	0-45	26	12	62	0.8	65	0.65	15.3	25	A14	6a
	45-90	23	12	65	3.6	80	3.6	19.6	30		
5115	0-45	26	12	62	1.15	68	0.94	15.1	24	A14	6a
	45-90	26	12	62	4.8	72	4.3	14.9	24		
5116	0-45	28	12	60	0.65	68	0.51	12.3	20	A14	6a
	45-90	26	12	62	3.6	73	3.30	19.9	32		
5117	0-45	24	16	60	0.45	70	0.88	7.12	12	C31	3a
	45-90	24	18	58	2.50	78	2.80	13.2	23		
5118	0-45	31	14	55	0.70	68	0.50	3.5	6	C31	2
	45-90	31	12	57	4.70	68	2.8	8.4	15		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
5119	0-45	31	14	55	0.43	70	0.35	4.0	7	C31	2
	45-90	28	15	57	2.3	69	1.73	8.3	14		
5120	0-45	31	14	55	0.48	76	1.10	2.1	4	C31	2
	45-90	28	12	60	2.1	83	2.30	6.5	11		
5121	0-45	31	12	57	0.6	68	0.68	5.7	10	C31	3a
	45-90	28	12	60	2.79	77	2.8	10.8	18		
5122	0-45	26	12	62	0.56	71	1.1	13.7	22	A14	6a
	45-90	26	9	65	5.6	94	7.2	15.2	23		
5123	0-45	26	12	62	0.39	78	0.60	4.2	7	A13	2
	45-90	23	15	62	0.85	16	2.0	7.2	12		
5124	0-45	26	12	62	0.46	70	0.52	9.10	< 15	A13	3a
	45-90	23	15	62	4.0	88	4.8	13.6	22		
5125	0-45	26	14	60	0.68	75	0.75	12.0	20	A14	6a
	45-90	23	12	65	4.5	85	5.2	18.0	28		
5126	0-45	21	14	65	0.56	119	1.2	13.2	20	A14	6a
	45-90	23	12	65	1.75	76	1.8	19.8	30		
5127	0-45	missing								A14	6as
	45-90	21	12	67	8.80	90	10.0	26.0	39		
5128	0-45	28	15	57	0.51	133	1.3	12.7	22	B14	6a
	45-90	26	12	62	4.8	92	6.2	21.8	35		
5129	0-45	26	14	60	0.74	77	0.87	11.9	< 20	A14	6a
	45-90	31	12	57	4.5	80	5.0	17.4	30		
5130	0-45	23	12	65	5.0	85	5.5	19.3	30	A14	6a
	45-90	23	12	65	0.7	83	0.72	8.9	14		
5131	0-45	23	17	60	0.5	73	0.55	9.8	16	A14	4a
	45-90	26	12	62	4.4	90	5.0	12.6	20		
5132	0-45	28	15	57	0.38	71	0.53	6.7	12	C31	3a
	45-90	28	10	62	1.72	84	2.0	11.6	19		
5133	0-45	41	12	47	0.34	66	0.33	3.7	8	C31	3al
	45-90	31	12	57	3.1	73	3.1	11.3	< 20		
5134	0-45	26	12	62	0.90	85	1.1	10.9	18	C32	4a
	45-90	26	12	62	5.2	79	5.0	12.6	20		
5135	0-45	29	14	57	0.50	87	0.76	8.0	14	C31	3a
	45-90	20	15	65	2.1	90	2.3	10.1	> 15		
5136	0-45	25	10	65	0.65	82	0.92	13.5	21	A14	6a
	45-90	20	12	68	5.5	94	6.6	15.8	23		
5137	0-45	30	15	55	1.7	74	1.84	13.4	24	A14	6a
	45-90	25	15	60	7.0	100	9.0	20.6	34		
5138	0-45	25	17	58	0.7	77	0.87	11.5	< 20	A14	4a
	45-90	25	12	63	5.2	87	5.7	15.5	< 25		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
5139	0-45	33	12	55	2.7	82	2.6	10.2	18	A14	6a(4a)
	45-90	28	12	60	4.8	89	5.1	18.1	30		
A 5140B	0-45	27	13	60	0.50	70	0.86	7.54	12	A14	4a
	45-90	24	16	60	0.47	74	0.93	11.47	19		
5141	0-45	23	14	63	4.6	95	5.2	14.8	23	A14	6a(4a)
	45-90	25	15	60	1.9	98	2.4	10.8	18		
5142	0-45	23	12	65	5.0	95	5.9	17.3	27	A13	3a
	45-90	28	12	60	0.34	80	0.6	6.6	11		
5143	0-45	28	12	60	3.3	91	3.7	12.3	20	C32	3a
	45-90	23	17	60	0.66	80	0.8	8.8	< 15		
5144	0-45	28	12	60	1.8	86	1.1	14.9	< 25	C34	6a(4a1)
	45-90	45	12	43	0.52	65	0.50	7.9	18		
5145	0-45	38	12	50	2.70	72	2.60	12.6	> 25	C36	6a1
	45-90	40	15	45	0.74	65	0.74	9.3	21		
5146	0-45	38	12	50	3.8	80	4.20	15.0	30	C32	6a
	45-90	35	12	53	1.12	66	1.10	15.7	29		
5147	0-45	30	12	58	5.2	87	6.40	19.2	33	C32	6a
	45-90	33	9	58	2.9	79	3.0	12.2	21		
5148	0-45	30	11	59	6.8	100	8.7	22.9	39	C32	6a
	45-90	38	12	50	1.40	70	1.4	10.6	21		
5149	0-45	33	14	53	2.79	104	4.0	16.4	31	C32	6a1
	45-90	43	12	45	4.4	85	5.00	14.2	32		
5150	0-45	33	12	55	7.2	116	11.50	21.7	39	C22	6a1
	45-90	58	12	30	4.2	65	3.70	11.1	37		
5151	0-45	50	12	38	8.0	86	9.30	15.9	42	C22	6as
	45-90	48	19	33	10.4	64	8.40	18.8	57		
5152	0-45	45	12	43	7.5	88	9.20	18.8	44	C22	6a(4a1)
	45-90	48	14	38	0.54	62	0.46	5.9	> 15		
5153	0-45	43	12	45	3.0	62	2.60	14.2	31	C34	6a1
	45-90	45	12	43	1.05	59	0.88	12.7	30		
5154	0-45	45	12	43	5.0	69	4.60	16.6	39	C32	6a(4a)
	45-90	38	12	50	0.48	58	0.50	9.9	< 20		
5155	0-45	missing								C36	6a
	45-90	33	14	53	0.95	62	0.93	11.5	22		
5156	0-45	35	22	43	3.2	75	3.00	17.8	41	C32	6a1
	45-90	43	12	45	3.38	76	3.10	11.3	25		
5157	0-45	45	12	43	7.4	85	8.30	15.7	36	C34	3a1
	45-90	40	12	48	0.42	67	0.34	5.3	11		
5158	0-45	40	12	48	0.84	75	0.75	12.0	25	C22	6a(4a1)
	45-90	48	12	40	0.75	68	0.51	7.5	19		
		33	17	50	4.9	80	4.90	16.7	33		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
5159	0-45	48	14	38	1.15	61	0.84	6.4	17	C22	6a(4a1)
	45-90	48	9	43	3.8	56	2.90	17.1	40		
5160	0-45	45	15	40	0.67	50	0.44	8.4	21	C22	6a1
	45-90	40	12	48	2.9	55	2.00	12.0	25		
5161	0-45	40	12	48	0.44	54	0.34	6.9	14	C31	6a(31)
	45-90	35	12	53	4.2	61	3.50	16.5	31		
5162	0-45	43	12	45	1.8	60	1.4	8.6	19	C32	6a(4a1)
	45-90	33	12	55	6.0	66	5.0	15.8	29		
5163	0-45	33	14	53	0.98	55	0.69	10.5	< 20	C32	6a(4a)
	45-90	35	12	53	5.2	63	4.0	17.6	33		
5164	0-45	28	17	55	1.65	58	1.15	13.2	24	C32	6a
	45-90	30	12	58	6.4	66	5.10	18.1	31		
5165	0-45	33	14	53	1.5	63	1.1	9.3	18	C32	6a(4a)
	45-90	30	15	55	4.8	59	3.3	19.1	35		
5166	0-45	33	14	53	0.92	55	0.60	15.4	29	C32	6a
	45-90	30	15	55	6.0	61	4.40	20.8	38		
5167	0-45	45	10	45	0.46	50	0.25	4.9	11	C31	3a1
	45-90	45	17	38	2.0	49	1.20	9.2	24		
5168	0-45	30	17	53	2.1	59	1.55	16.0	30	C32	6a
	45-90	28	14	58	6.0	60	4.40	26.0	45		
5169	0-45	44	11	45	2.1	55	1.44	15.4	34	C34	6a1
	45-90	36	11	53	4.6	61	3.80	11.4	21		
5170	0-45	44	8	48	5.2	61	4.30	21.3	44	C34	6a1
	45-90	39	11	50	8.0	61	6.10	22.7	45		
5171	0-45	49	11	40	0.75	55	0.60	10.6	27	C22	6a1
	45-90	49	6	45	3.20	51	2.00	14.0	31		
5851	0-45	31	14	55	0.46	55	0.21	2.2	4	C31	3a
	45-90	24	18	58	1.25	68	0.77	8.8	> 15		
5852	0-45	24	18	58	0.56	62	0.40	4.0	7	C31	3a
	45-90	26	11	63	2.20	64	1.60	10.4	17		
5853	0-45	24	13	63	0.82	64	0.48	6.7	11	C31	3a
	45-90	28	13	59	2.20	72	1.90	12.5	21		
5854	0-45	20	16	64	0.40	68	0.25	5.3	8	A13	3a
	45-90	23	13	64	1.45	72	1.25	10.7	17		
5855	0-45	23	16	61	1.35	70	0.88	12.7	21	A14	6a
	45-90	23	13	64	3.10	70	2.50	12.3	19		
5856	0-45	20	14	66	0.70	74	3.00	14.2	22	A12	6a
	45-90	20	16	64	0.70	64	0.48	9.5	< 15		
5857	0-45	25	14	61	0.63	64	0.48	7.9	13	A13	3a
	45-90	18	16	66	2.80	78	2.70	10.9	17		
	90-150				4.30						

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
5858	0-45	23	13	64	1.25	65	0.98	10.2	16	A14 6a(4a)	
	45-90	18	18	64	3.40	75	3.00	17.0	26		
	90-150				4.00						
5859	0-45	18	18	64	0.55	69	0.52	7.5	12	A13 3a	
	45-90	40	6	54	3.10	75	3.00	13.0	24		
	90-150				4.40						
5860	0-45	23	13	64	0.55	70	0.53	7.5	12	A13 3a	
	45-90	20	16	64	1.35	74	1.10	14.1	22		
	90-150				1.60						
5861	0-45	23	16	61	0.46	65	0.33	5.3	9	A13 3a	
	45-90	28	11	61	0.80	72	0.72	11.7	19		
	90-150				3.00						
5862	0-45	28	11	61	0.46	70	0.26	6.9	11	A13 2	
	45-90	30	11	59	2.20	75	1.80	7.0	12		
	90-150				3.60						
5863	0-45	28	13	59	0.48	66	0.41	11.6	20	A14 6a	
	45-90	18	13	69	2.40	73	2.20	17.0	25		
	90-150				3.90						
5864	0-45	20	16	64	0.43	65	0.33	7.7	12	A13 3a	
	45-90	18	13	69	2.00	75	1.90	15.2	19		
	90-150				2.90						
5865	0-45	20	14	66	0.46	72	0.36	10.8	16	B14 4a	
	45-90	23	16	61	1.60	66	1.34	13.9	23		
	90-150				3.20						
5866	0-45	missing								B14 6a	
	45-90	23	13	64	1.70	77	1.50	24.9	39		
	90-150				2.90						
5867	0-45	23	13	64	0.44	65	0.33	8.9	14	A13 3a	
	45-90	23	13	64	1.90	77	1.74	13.5	21		
	90-150				2.80						
5868	0-45	25	19	56	0.51	62	0.31	6.9	12	A13 3a	
	45-90	18	18	64	2.50	58	1.65	10.3	16		
	90-150				2.30						
5869	0-45	25	14	61	0.42	56	0.28	3.3	5	A13 3a	
	45-90	23	13	64	1.50	70	1.23	10.8	17		
	90-150				3.20						
5870	0-45	23	13	64	0.44	64	0.32	7.7	12	B11 3a	
	45-90	25	14	61	1.25	67	1.17	14.0	23		
	90-150				3.50						
5871	0-45	23	16	61	0.52	66	0.33	8.5	14	B11 3a	
	45-90	23	13	64	2.00	75	1.70	12.7	20		
	90-150				4.60						
5872	0-45	20	14	66	0.43	65	0.25	4.9	7	B13 3a	
	45-90	23	13	64	1.25	72	1.00	10.2	16		
	90-150				4.30						
5873	0-45	23	13	64	0.42	60	0.30	7.7	12	A13 3a	
	45-90	18	13	69	1.75	67	1.42	13.4	19		
	90-150				2.90						
5874	0-45	23	1	76	0.40	62	0.31	5.3	7	A13 2	
	45-90	23	1	76	1.05	70	0.8	10.8	14		
5875	0-45	25	14	61	0.47	60	0.30	6.9	11	A13 3a	
	45-90	20	14	66	1.12	65	0.66	11.7	18		
5876	0-45	23	13	64	0.45	65	0.24	7.8	12	A13 3a	
	45-90	20	14	66	1.53	66	1.16	12.4	19		

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
5877	0-45	23	13	64	0.36	61	0.23	6.2	10	A13	3a
	45-90	20	16	64	1.80	70	1.50	11.3	18		
5878	0-45	23	13	64	0.44	61	0.23	7.0	11	A13	3a
	45-90	20	14	66	2.30	72	2.00	11.6	18		
5879	0-45	20	14	66	0.50	68	0.34	9.3	14	B13	3a
	45-90	20	16	64	1.60	66	1.25	10.3	16		
5880	0-45	23	13	64	0.48	72	0.36	2.4	4	B13	2
	45-90	23	11	66	1.30	74	1.10	8.5	13		
5881	0-45	20	14	66	0.44	64	0.24	9.4	14	A13	3a
	45-90	20	14	66	0.53	67	0.34	14.1	21		

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Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
6422	0-45	38	16	46	1.30	50	0.74	11.3	25	C34 6a1	
	45-90	33	13	54	6.00	75	6.30	21.7	40		
6423	0-45	36	13	51	2.70	57	1.90	10.1	20	C34 6a(4a)	
	45-90	31	13	56	5.40	65	4.70	18.5	33		
6424	0-45	33	16	51	0.63	65	0.49	3.5	7	C33 3a	
	45-90	31	13	56	1.75	60	1.27	9.9	18		
6425	0-45	38	16	46	1.05	65	0.81	10.4	23	C34 6a1.	
	45-90	31	13	56	3.80	50	2.40	20.8	37		
6426	0-45	41	13	46	0.42	63	0.31	3.3	7	C33 3a1	
	45-90	28	16	56	1.45	67	1.16	12.8	23		
6427	0-45	31	15	54	0.46	64	0.32	4.5	8	C33 3a	
	45-90	28	13	59	2.40	67	1.84	11.4	19		
6428	0-45	43	16	41	0.60	60	0.37	3.6	9	C33 3a1	
	45-90	41	13	46	2.80	57	2.00	9.2	20		
6429	0-45	38	16	46	0.44	56	0.30	3.7	8	C33 6a(31)	
	45-90	36	13	51	1.35	59	1.04	14.9	29		
6430	0-45	Missing			3.20					C34 6a	
	45-90	26	18	56	4.00	63	3.40	15.0	27		
6431	0-45	31	13	56	0.53	63	0.48	10.3	18	C34 4a	
	45-90	23	16	61	4.00	73	3.80	13.8	23		
6432	0-45	36	18	46	1.90	62	1.50	11.7	25	C34 6a1	
	45-90	26	18	56	5.10	71	5.20	25.6	46		
6433	0-45	33	13	54	0.89	58	0.60	11.4	21	C34 6a	
	45-90	23	13	64	3.70	66	3.20	19.2	30		
6434	0-45	21	15	64	1.15	54	0.74	13.7	21	C34 6a	
	45-90	37	5	58	5.00	73	4.70	19.3	33		
6435	0-45	26	11	63	1.05	61	0.76	10.4	17	C34 4a	
	45-90	24	13	63	2.80	65	2.00	7.2	11		
6436	0-45	34	3	63	1.50	68	1.10	9.7	15	C34 6a(4a)	
	45-90	24	10	66	5.50	75	4.90	18.3	28		
6437	0-45	19	15	66	2.40	62	1.70	11.1	17	C34 6a(4a)	
	45-90	24	13	63	6.00	70	5.10	18.5	29		
6438	0-45	19	15	66	1.75	73	1.40	6.6	10	C33 3a	
	45-90	21	11	68	5.30	78	5.00	14.6	21		
6439	0-45	29	10	61	2.05	67	1.50	8.9	15	C33 6a(2)	
	45-90	24	13	63	5.00	66	4.10	18.7	30		
6440	0-45	24	10	66	2.30	62	1.60	12.8	19	C34 6a(4a)	
	45-90	21	11	68	4.50	74	4.0	17.2	25		
6441	0-45	19	13	68	4.50	66	3.60	4.8	7	C33 6a(2)	
	45-90	21	11	68	1.35	73	1.10	24.5	36		
6442	0-45	39	8	53	0.97	63	0.71	12.9	24	C34 6a	
	45-90	24	13	63	5.90	69	4.90	20.3	32		

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Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
6443	0-45	34	10	56	3.00	62	2.20	12.2	22	C34 6a	
	45-90	19	13	68	4.80	74	4.30	18.1	27		
6444	90-150				4.00					C34 6a(4a)	
	0-45	36	11	53	1.10	69	0.86	10.3	19		
6445	45-90	26	11	63	3.50	74	3.10	20.1	32	C33 3a	
	90-150				5.80						
6446	0-45	34	8	58	1.40	60	0.98	8.2	14	C33 6a(2)	
	45-90	26	13	61	3.20	72	2.60	10.2	17		
6447	90-150				4.00					C33 3a1	
	0-45	34	8	58	1.50	62	1.00	7.8	13		
6448	45-90	41	8	51	4.20	65	3.20	15.2	30	C33 3a1	
	90-150				6.70						
6449	0-45	41	11	48	0.55	58	0.30	0.5	1	C33 6a(2)	
	45-90	31	13	56	1.50	60	0.91	8.7	16		
6450	90-150				2.20					C33 3a1	
	0-45	41	16	43	0.42	54	0.13	0.7	2		
6451	45-90	36	11	53	0.67	59	0.37	9.6	18	C33 6a(2)	
	90-150				2.80						
6452	0-45	26	13	61	1.30	56	0.76	8.0	13	C33 3a	
	45-90	26	10	64	2.60	67	2.00	19.6	31		
6453	90-150				3.60					C33 2	
	0-45	26	16	58	0.60	56	0.28	0.5	1		
6454	45-90	24	18	58	2.50	67	1.80	10.2	18	C33 31	
	90-150				3.70						
6455	0-45	36	13	51	0.58	60	0.30	0.5	1	C34 6a	
	45-90	39	13	48	1.20	54	0.68	6.5	14		
6456	90-150				2.80					C33 3a	
	0-45	39	13	48	0.48	59	0.15	0.6	1		
6457	45-90	36	13	51	0.65	60	0.30	0.5	1	C33 2	
	90-150				2.00						
6458	0-45	34	15	51	3.20	58	2.10	12.7	25	C33 6a(2)	
	45-90	19	15	66	5.00	69	3.50	21.3	32		
6459	90-150				4.70					C33 2	
	0-45	31	13	56	0.54	58	0.29	0.5	< 1		
6460	45-90	29	13	58	1.15	64	0.80	1.6	3	C33 6a(2)	
	90-150				-						
6461	0-45	26	13	61	0.60	58	0.29	6.1	10	C33 2	
	45-90	24	15	61	2.80	64	2.10	17.9	29		
6462	90-150				5.20					C33 2	
	0-45	29	15	56	0.60	60	0.30	0.1	< 1		
6463	45-90	29	13	58	1.80	56	1.10	7.3	13	C34 2	
	90-150				2.80						
6464	0-45	29	13	58	0.70	61	0.38	1.2	2	C33 3a	
	45-90	26	10	64	2.00	73	1.60	6.4	10		
6465	90-150				-					C33 3a	
	0-45	26	16	58	0.55	64	0.32	0.5	< 1		
6466	45-90	29	10	61	1.75	64	1.20	10.4	17	C33 3a	
	90-150				2.60						
6467	0-45	26	10	64	0.48	62	0.23	2.6	4	C33 2	
	45-90	24	12	64	3.50	65	2.60	13.4	21		
6468	90-150				4.80					C33 2	
	0-45	31	11	58	0.41	57	0.29	0.5	< 1		
6469	45-90	34	10	56	0.55	67	0.25	0.1	< 1	B13 2	
	90-150				-						
6470	0-45	24	10	66	0.65	64	0.32	0.5	< 1	B11 2	
	45-90	24	13	63	1.12	63	0.80	3.2	5		
6471	90-150				2.40					B11 2	
	0-45	26	8	66	0.40	61	0.15	0.2	< 1		
6472	45-90	21	13	66	1.90	74	1.50	6.5	10	B11 2	
	90-150				3.00						
6473	0-45	31	13	56	0.42	66	0.17	0.6	1	B11 2	
	45-90	31	11	58	1.45	67	1.10	6.5	11		
	90-150				1.70						

TABLE 3.1

Site No.	Depth (cm.)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Sat. %	Sol. Na Meq 100 g.	Exch. Na Meq 100 g.	E.S.P.	Soil Class	Land Class
		Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.							
6484	0-45	21	15	64	0.66	57	0.43	7.2	11	B13	3a
	45-90	18	16	66	3.20	65	2.40	14.0	22		
6485	0-45	18	16	66	0.44	71	0.27	6.9	10	B13	3a
	45-90	21	13	66	1.15	64	0.81	12.8	19		
6486	0-45	18	13	69	0.46	66	0.33	8.5	12	B13	3a
	45-90	16	15	69	1.26	70	0.70	13.7	20		

TABLE 3.2 ROUTINE ANALYSES FROM PITS

Pit No.	Depth (cm)	pH 1:5	pH Paste	E.C. mmhos/cm at 25°C.	Sat %	Mechanical Analysis				Sol. Na. Meq. 100g.	Ex. Na Meq. 100g.	C.E.C.	E.S.P.
						Sand		Silt 0.02-0.002 mm	Clay 0.002 mm				
						CS 2.0-0.2 mm	FS 0.2-0.02 mm						
1070	0-25	8.7	8.3	0.65	44	18	30	9	43	0	10.8	44	25
	25-70	9.5	8.55	1.03	49	14	32	6	48	0.24	17.0	45	38
	70-125	8.95	8.9	4.4	54	18	33	9	40	2.75	13.2	39	34
	125-145	9.47	8.45	2.5	47	25	41	6	28	1.20	12.4	28	44
	145-200	9.08	8.4	2.0	46	25	43	7	25	0.80	10.0	29	34
1161	0-30	8.85	7.8	0.23	48	20	36	6	38	0	2.6	43	6
	30-100	8.9	7.88	0.24	52	22	31	4	43	0	2.0	45	4
	100-170	8.4	7.82	0.34	51	18	30	4	48	0	4.0	49	8
	170-200	8.6	7.95	0.65	53	15	28	7	50	0.2	3.8	49	8
1162	0-25	9.7	8.4	0.58	53	11	30	9	50	0	12.4	53	23
	25-70	9.48	8.43	2.12	59	10	28	12	50	0.12	17.3	52	33
	70-130	9.5	8.15	4.0	46	8	20	12	60	2.13	23.5	58	40
	130-160	9.0	8.05	5.2	71	8	20	12	60	4.70	18.5	54	34
	160-200	9.25	8.18	3.2	74	7	21	9	63	2.7	22.5	56	40

TABLE 3.2

Pit No.	Depth (cm)	pH 1:5	pH Paste	E.C. mmhos/cm at 25°C.	Sat %	Mechanical Analysis					Sol. Na. Meq. 100g.	Ex. Na Meq. 100g.	C.E.C. E.S.P.
						Sand		Silt 0.02-0.002 mm	Clay 0.002 mm				
						CS 2.0-0.2 mm.	FS 0.2-0.02 mm						
1163	0-70	9.3	8.2	0.64	61	14	24	12	50	0.07	11.9	52	23
	70-110	8.8	7.92	5.0	57	13	23	11	53	3.3	14.7	52	28
	110-170	9.4	8.1	3.8	69	13	28	9	50	2.94	15.1	48	31
	170-200	9.2	8.12	2.8	68	6	27	12	55	2.00	15.6	53	29
1164	0-45	9.22	8.15	0.40	50	16	15	21	48	0	5.6	55	10
	45-120	9.08	8.13	1.2	60	10	31	1	58	0.36	9.6	54	18
	120-160	8.7	7.8	4.2	60	10	31	9	50	2.4	12.0	55	22
	180-200	9.3	8.1	2.45	54	22	24	9	45	1.2	11.6	44	26
1170	0-75	9.35	8.32	0.86	52	10	23	14	53	0.85	11.9	55	22
	75-150	9.12	8.1	5.5	65	9	22	11	58	5.1	17.3	56	31
	150-200	9.05	8.0	6.0	68	11	20	14	55	5.5	12.9	53	24
	0-30	9.62	8.45	4.4	58	10	43	12	35	3.6	16.0	37	43
1171	30-105	9.65	8.5	4.9	100	10	46	6	36	7.3	19.9	38	52
	105-200	7.9	8.7	1.7	70	20	31	9	40	3.7	27.5	46	60
	0-60	9.42	8.33	5.20	40	13	29	13	45	4.90	19.1	44	43
	60-127	8.6	8.1	4.0	107	10	17	25	48	8.40	27.2	56	48
2055	127-200	9.6	8.4	5.0	80	4	18	23	55	5.60	30.4	59	55

TABLE 3.2

Pit No.	Depth (cm)	pH 1:5	pH Paste	E.C. mmhos/cm at 25°C.	Sat %	Mechanical Analysis				Sol. Na. Meq. 100g.	Ex. Na Meq. 100g.	C.E.C.	E.S.P.
						Sand		Silt 0.02-0.002 mm	Clay 0.002 mm				
						CS 2.0-0.2 mm	FS 0.2-0.02 mm						
2076	0-8	9.6	8.72	1.2	55	11	41	10	38	1.10	18.1	39	48
	8-80	9.75	8.8	3.0	70	11	41	10	38	3.20	19.2	41	47
	80-180	9.58	8.75	1.8	50	9	55	8	28	1.24	14.8	34	53
	180-200	9.83	8.77	1.2	43	25	44	6	25	0.76	12.0	30	48
2138	0-180	8.62	8.1	4.5	40	14	25	16	45	2.60	8.6	96	19
	180-200	9.43	8.5	4.0	107	6	6	33	55	6.40	24.0	55	44
2139	0-38	9.6	8.55	0.98	57	10	24	16	50	0.79	14.4	46	31
	38-120	8.72	8.2	6.0	74	8	24	15	53	7.10	15.7	48	33
	120-210	9.4	8.5	1.68	85	4	20	21	55	4.20	19.0	51	37
2819	0-50	8.95	7.95	0.70	68	18	11	17	54	0.51	11.5	53	22
	50-105	8.59	7.85	2.58	81	7	17	12	64	2.50	19.9	66	30
	105-155	7.92	7.53	5.00	78	13	11	14	62	4.70	15.7	62.5	25
	155-200	8.00	7.42	5.20	75	10	14	17	59	5.0	3.8	61	6
2840	0-50	8.42	7.80	1.50	66	10	19	12	59	1.15	14.0	60	23
	50-90	8.49	7.72	1.70	71	13	18	12	57	1.44	13.0	57.5	
	90-125	8.00	7.60	1.70	75	6	18	14	62	1.30	25.9	61	
	125-200	7.80	7.60	5.50	77	10	24	16	50	5.70	18.3	64	

Pit No.	Depth (cm)	pH 1:5	pH Paste	E.C. mmhos/cm at 25°C.	Sat %	Mechanical Analysis					Ex. Na Meq. 100g.	C.E.C.	E.S.P.
						Sand		Silt 0.02-0.002 mm	Clay 0.002 mm	Sol. Na. Meq. 100g.			
						CS 2.0-0.2 mm	FS 0.2-0.02 mm						
2852	0-25	8.32	7.65	0.48	59	15	29	12	44	0.15	2.2	45	5
	25-110	8.58	7.78	1.60	66	15	19	14	52	1.24	9.6	52.5	18
	110-155	8.65	7.72	2.30	73	10	19	14	57	2.0	12.0	57.5	
	155-200	8.15	7.68	2.80	69	15	31	12	42	2.30	12.1	44	
3045	0-40	8.57	8.0	2.5	61	11	30	11	48	1.75	8.8	50	18
	40-270	9.05	8.37	4.3	88	5	21	16	58	5.3	20.7	58	36
	270-300	9.2	8.52	3.2	71	2	29	11	48	3.9	23.7	55	49
3113	0-60	9.35	8.4	1.06	59	9	22	11	55	1.06	15.7	36	28
	60-130	9.0	8.2	6.3	56	7	14	11	68	6.3	28.1	61	44
	130-250	8.7	8.15	10.4	73	9	14	24	53	10.4	24.0	56	43
3709	250-300	9.7	8.65	3.7	94	6	22	19	53	3.7	26.3	52	50
	0-50	8.70	7.80	1.05	68	7	19	12	62	0.85	5.1	61	8
	50-130	8.61	7.80	3.80	71	8	20	10	62	3.40	14.2	60	26
	130-170	7.85	7.50	5.30	72	12	16	10	62	4.70	13.2	62.5	22

TABLE 3.2

Pit No.	Depth (cm)	pH 1:5	pH Paste	E.C. mmhos/cm at 25°C.	Sat %	Mechanical Analysis					Sol. Na. Meq. 100g.	Ex. Na. Meq. 100g.	C.E.C. E.S.P.
						Sand			Silt 0.02-0.002 mm	Clay 0.002 mm			
						CS 2.0-0.2 mm	FS 0.2-0.02 mm						
3746	170-200	8.75	8.02	4.20	72	13	13	12	62	4.20	16.6	61	27
	0-140	8.35	7.72	1.30	71	7	16	13	64	1.15	6.8	65	10
	140-180	8.30	7.61	3.00	81	4	17	10	69	2.90	9.1	71	13
3770	180-230	7.80	7.60	4.40	65	11	17	13	59	3.50	9.3	59	16
	0-65	8.30	7.75	0.49	56	24	22	12	42	0.28	0.1	45	
	65-210	8.62	7.80	0.90	67	17	21	8	54	0.59	4.2	55	8
3780	0-75												
	75-120	8.28	7.51	3.00	76	7	14	10	69	2.60	10.6	71	15
	120-160	7.85	7.48	5.90	71	3	20	20	57	4.80	11.2	60	20
4065	160-200	8.28	7.70	3.50	62	16	15	10	59	2.70	9.3	60	
	0-40	8.35	8.2	4.4	55	12	24	8	56	3.0	10.6	47	23
	40-200	8.9	8.42	6.2	92	5	27	10	58	8.1	22.3	56	40
4699	0-50	8.97	8.11	0.95	64	7	22	15	56	0.96	11.0	56	20
	50-135	8.35	7.75	4.50	75	10	19	18	53	4.70	16.5	52.5	31
	135-200	7.92	7.52	3.40	73	16	16	15	53	3.20	12.0	54	23

TABLE 3.2

Pit No.	Depth (cm)	pH 1:5	pH Paste	E.C. mmhos/cm at 25°C.	Sat %	Mechanical Analysis					Sol. Na. Meq. 100g.	Ex. Na Meq. 100g.	C.E.C.	E.S.P.
						Sand			Silt 0.02-0.002 mm	Clay 0.002 mm				
						CS 2.0-0.2 mm	FS 0.2-0.02 mm							
4700	0-105	7.88	7.60	5.80	73	13	19	17	51	5.50	17.7	50	35	
	105-160	8.71	7.86	3.20	72	7	20	20	53	3.10	16.9	52.5	32	
	160-200	8.21	7.55	4.40	66	17	20	15	48	4.30	12.5	49	26	
4712	0-20	8.62	7.89	1.45	73	5	27	12	56	1.40	9.8	56	18	
	20-80	8.52	7.75	2.30	65	15	24	13	48	1.90	15.7	47.5	33	
	80-145	8.07	7.65	5.00	77	8	16	20	56	5.0	10.2	57.5	18	
4710	145-200	8.01	7.65	5.00	66	10	16	16		4.30	20.1	54		
	0-30	8.82	7.95	0.88	64	10	19	13	58	0.64	8.6	59	15	
	30-90	8.21	7.60	5.00	62	19	23	15	43	3.90	12.1	45	27	
5061	90-140	8.20	7.57	2.40	70	16	18	10	56	2.20	10.6	57	19	
	140-300	7.91	7.57	2.90	71	8	13	26	53	2.50	13.5	54	25	
	0-40	8.47	8.2	1.4	54	25	7	18	50	0.7	8.9	47	19	
5069	40-90	8.7	8.35	7.9	73	12	13	20	55	7.9	25.7	49	52	
	90-139	9.3	8.5	6.2	102	4	16	27	53	8.6	30.0	48	62	
	139-200	9.52	8.65	4.8	86	1	34	22	43	5.6	34.4	47	73	
5069	0-20	8.1	8.1	2.5	53	13	40	9	38	0.9	7.1	45	16	
	20-38	8.7	8.5	7.5	58	13	17	20	50	5.8	22.2	41	54	
	38-200	9.3	8.6	7.5	140	5	18	22	55	15.3	33.7	48	70	

TABLE 3.2

Pit No.	Depth (cm)	pH 1:5	pH Paste	E.C. mmhos/cm at 25°C.	Sat %	Mechanical Analysis					Sol. Na. Meq. 100g.	Ex. Na Meq. 100g.	C.E.C.	E.S.P.
						Sand			Silt 0.02-0.002 mm	Clay 0.002 mm				
						CS 2.0-0.2 mm	FS 0.2-0.02 mm							
5166	0-54	9.5	8.37	2.0	61	11	19	15	55	1.3	17.9	49	36	
	54-84	9.15	8.2	5.2	66	7	23	10	60	3.8	19.4	50	39	
	84-145	9.23	8.2	4.6	73	6	19	10	65	3.9	17.3	53	33	
	145-200	8.75	8.03	6.8	72	15	16	12	55	4.1	15.5	44	35	
	0-43	9.4	8.3	0.38	48	19	31	12	38	0.1	4.3	39	11	
5167	43-80	9.38	8.25	1.6	50	17	28	12	43	0.1	7.9	45	18	
	80-170	9.27	8.2	2.2	65	3	25	7	60	1.6	10.8	48	23	
	170-200	9.4	8.25	2.1	61	7	33	7	53	1.3	10.1	45	22	
	0-33	9.4	8.33	1.2	55	10	13	14	58	0.6	11.4	48	24	
	33-67	9.05	8.2	4.2	61	10	22	10	58	3.2	14.8	55	27	
5168	67-138	9.37	8.25	4.9	70	7	22	10	65	4.4	19.2	58	33	
	138-178	8.7	8.03	7.0	66	16	19	10	55	5.7	13.5	48	28	
	178-200	8.9	8.15	5.5	69	9	24	12	55	5.2	17.2	50	34	

TABLE 3.2

Pit No.	Depth (cm)	pH 1:5	pH Paste	E.C. mmhos/cm at 25°C.	Sat %	Mechanical Analysis					Sol. Na. Meq. 100g.	Ex. Na Meq. 100g.	C.E.C.	E.S.P.
						Sand		Silt 0.02-0.002 mm	Clay 0.002 mm					
						CS 2.0-0.2 mm	FS 0.2-0.02 mm							
5109	0-43	8.8	8.3	1.85	56	15	25	12	48	1.3	12.3	49	25	
	43-112	9.2	8.27	4.6	72	10	25	12	53	4.7	20.9	53	39	
	112-200	8.7	8.13	3.98	74	10	23	12	55	3.7	17.9	51	35	
5170	0-34	9.3	8.47	2.1	57	16	27	9	48	1.5	17.1	46	37	
	34-68	8.5	8.13	7.9	60	7	33	12	48	6.3	21.7	48	45	
	68-148	8.8	8.22	5.6	71	10	20	12	58	5.4	23.4	52	45	
5171	148-200	9.35	8.35	4.8	64	13	25	9	53	4.0	21.6	47	46	
	0-34	9.2	8.12	0.55	48	9	39	9	43	0.2	6.2	45	14	
	34-115	9.4	8.42	2.7	55	16	28	11	45	1.9	13.7	45	30	
	115-200	8.45	8.1	5.8	65	22	16	9	53	4.7	12.9	47	27	

TABLE 3.2

Pit No.	Depth (cm)	pH 1:5	pH Paste	E.C. mmhos/cm at 25°C.	Sat %	Mechanical Analysis					Sol. Na. Meq. 100g.	Ex. Na Meq. 100g.	C.E.C.	E.S.P.
						Sand			Silt 0.02-0.002 mm	Clay 0.002 mm				
						CS 2.0-0.2 mm	FS 0.2-0.02 mm							
5862	0-43	8.40	7.75	0.42	66	4	17	18	61	0.25	3.9	61	6	
	43-75	8.48	7.73	1.55	66	12	12	18	58	1.25	8.3	59	14	
	75-140	8.28	7.55	2.30	70	10	11	18	61	1.75	7.8	60	13	
	140-200	8.62	7.88	2.05	67	6	15	18	61	1.93	12.5	61	20	
5881	0-52	8.62	7.89	2.0	70	11	10	21	58	1.84	13.0	57	22	
	52-128	8.80	7.92	1.70	80	6	15	16	63	1.70	17.5	62.35	28	
	128-200	8.35	7.75	2.40	78	7	12	18	63	2.40	19.2	64	30	
6442	0-30	8.95	7.96	0.70	77	6	13	15	66	0.67	11.3	63	18	
	30-45	8.50	7.81	4.20	73	6	15	16	63	4.0	19.2	60	30	
	45-130	8.62	7.79	4.40	75	4	15	15	66	4.4	21.6	64	33	
	130-200	8.23	7.70	6.00	70	5	11	21	63	5.4	18.6	61	30	

TABLE 3.2

Pit No.	Depth (cm)	pH 1:5	pH Paste	E.C. mmhos/cm at 25°C.	Sat %	Mechanical Analysis					Sol. Na. Meq. 100g.	Ex. Na Meq. 100g.	C.E.C.	E.S.P.
						Sand			Silt 0.02-0.002 mm	Clay 0.002 mm				
						CS 2.0-0.2 mm	FS 0.2-0.02 mm							
6447	0-30	8.82	8.00	2.40	62	11	10	18	61	1.90	17.3	60	29	
	30-90	8.49	7.80	1.75	65	14	15	15	56	1.45	13.3	57.5	24	
	90-150	8.50	7.78	0.96	69	12	14	18	56	0.78	11.6	59	21	
	150-180	8.09	7.61	2.00	67	16	10	16	58	1.70	9.5	60	16	
6448	0-40	8.34	7.72	0.62	63	14				0.40	2.8	57.5	5	
	40-100	8.72	7.90	1.30	57	15	21	16	48	0.93	10.3	50	21	
	100-200	7.97	7.58	3.80	60	13	21	13	53	3.00	12.2	52.5	23	
6449	0-35	8.68	7.95	1.60	68	7	24	16	53	1.40	9.8	51	19	
	35-60	8.62	7.95	2.40	73	6	18	18	58	2.20	13.4	61	23	
	60-90	8.41	7.75	3.20	70	8	23	13	56	3.0	12.6	57.5	22	
	90-140	8.28	7.78	3.10	71	8	16	15	61	2.90	19.1	60	31	
	140-200	7.88	7.65	5.00	71	13	8	16	63	4.90	13.5	59	21	

TABLE 3.2

Pit No.	Depth (cm)	pH 1:5	pH Paste	E.C. mmhos/cm at 25°C.	Sat %	Mechanical Analysis					Sol. Na. Meq. 100g.	Ex. Na Meq. 100g.	C.E.C.	E.S.P.
						Sand			Silt 0.02-0.002 mm	Clay 0.002 mm				
						CS 2.0-0.2 mm	FS 0.2-0.02 mm							
6450	0-80	8.24	7.72	1.50	70	8	16	15	61	1.14	5.3	59	9	
	80-130	7.92	7.60	3.30	72	6	14	17	63	2.70	10.1	61	17	
	130-180	8.65	7.62	1.40	69	18	20	12	50	1.20	8.8	47.5	18	
6451	0-35	8.40	7.70	0.52	52	19	4	36	41	0.33	2.1	42.5	5	
	35-110	8.32	7.70	2.20	57	19	14	16	51	1.73	9.9	51	19	
	110-140	7.89	7.45	2.80	56	23	20	16	41	2.10	11.5	45	28	
6452	140-200	7.85	7.58	4.20	70	25	13	11	51	4.0	11.2	50	22	
	0-40	8.13	7.65	0.54	58	24	16	19	41	0.29	1.3	45	3	
	40-140	8.54	7.76	0.90	63	19	14	7	60	0.72	8.1	60	14	
6453	140-200	8.11	7.55	2.50	69	13	20	7	60	2.20	8.2	61	14	
	0-80	8.51	7.88	4.10	77	9	26	7	58	4.40	18.8	60	31	
	80-110	8.46	7.77	4.90	74	10	10	12	68	5.20	22.0	71	31	
	110-200	8.20	7.80	6.00	70	9	16	15	60	6.3	18.9	62.5	31	

TABLE 3.2

Pit No.	Depth (cm)	pH 1:5	pH Paste	E.C. mmhos/cm at 25°C.	Sat %	Mechanical Analysis				Sol. Na. Meq. 100g.	Ex. Na Meq. 100g.	C.E.C.	E.S.P.
						Sand			Clay 0.002 mm				
						CS 2.0-0.2 mm	FS 0.2-0.02 mm	Silt 0.02-0.002 mm					
6466	0-60	8.38	7.80	4.70	75	17	16	9	58	5.0	15.8	61	27
	60-110	8.11	7.62	4.00	67	13	15	9	63	3.6	14.4	60	23
	110-160	8.09	7.60	6.00	67	29	.9	12	50	5.5	13.3	49	27
	160-200	8.75	8.04	4.70	78	16	14	7	63	5.30	24.3	59	39