

WOSSAC: 12300
631.472
(624)

THE REPUBLIC OF THE SUDAN
MINISTRY OF AGRICULTURE

REPORT

No. 133 b.

LIBRARY COPY

ROSEIRES SOIL SURVEY

REPORT No. 4

RAHAD AND DINDER AREA SEMI-DETAILED SOIL SURVEY AND LAND CLASSIFICATION

VOLUME II

APPENDIX 3. LABORATORY ANALYSES OF SOIL SAMPLES

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

APRIL 1964

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

THE REPUBLIC OF THE SUDAN
MINISTRY OF AGRICULTURE

Red

769 SUDAN

ROSEIRES SOIL SURVEY

REPORT No. 4

RAHAD AND DINDER AREA SEMI-DETAILED SOIL SURVEY AND LAND CLASSIFICATION

VOLUME II

APPENDIX 3. LABORATORY ANALYSES OF SOIL SAMPLES

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

APRIL 1964

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

"HUNTING TECHNICAL SERVICES LTD."

LIBRARY

(i)

CONTENTS

VOLUME II.

APPENDIX 3. LABORATORY ANALYSES OF SOIL SAMPLES

	PAGE NO.
TABLE 3.1 Detailed Laboratory Analyses of 17 Profiles Representative of Soil Series.	1.
TABLE 3.2 Laboratory Analyses of Profiles representative of Mapping units.	7.
TABLE 3.3 Routine Analyses from Auger Borings.	12.

VOLUME II

APPENDIX 3

TABLE 3.1 DETAILED LABORATORY ANALYSIS OF 17 SITES REPRESENTATIVE OF SOIL SERIES

Soil and Land Class	Sample No	Depth (cm)	Soil particles			Incorporated Carbonate %	pH		E.C. mmhos/cm Sat. Extr.	Total Nitrogen %	Total org. Carbon %	Extractable		Soluble Anions in Sat. Extr. meq.				Soluble Cations in Sat. Extr. meq.				Exchangeable Cat. meq. per 100 g of Soil				Exchange Capacity		
			F. Sand	Silt	Clay		Soil Paste	1 : 5 Soil Suspension				Phosphate mg/100g of Soil	Potash mg/100g of Soil	Carbonate	Bicarbonate	Chloride	Sulphate	Sodium	Potassium	Calcium	Magnesium	Sodium	Potassium	Calcium	Magnesium	meq./100g of Soil	* E.S.P. (1) (2)	
V4, 2	E 613											42.5	1160	0	1.9	10.5	27.0	22.0	0.1	2.6	1.3	9.6	1.0	39.8	12.5	62.9	13.7	15.2
	E 2135	0-50	12	18	70	5.58	8.15	9.00	2.0	0.031	1.34	0	0	1.9	10.5	27.0	22.0	0.1	2.6	1.3	9.6	1.0	39.8	12.5	62.9	13.7	15.2	
	E 2136	50-140	10	18	72	4.72	7.90	8.83	3.8	0.017	1.05	0	0	1.6	31.0	48.0	50.0	0.2	4.3	9.6	10.9	0.9	39.7	15.2	66.5	15.2	16.3	
	E 2137	140-200	6	20	74	9.17	7.90	9.00	2.7	0.014	0.42	0	0	1.7	21.0	24.0	30.0	0.1	3.5	3.25	11.0	1.1	28.0	24.5	61.6	14.9	17.8	
V4, 2	E 614											29.5	940	0	2.0	1.4	21.0	7.8	0.1	0.6	0.6	9.4	1.1	43.3	10.4	64.2	13.6	14.6
	E 2138	0-60	14	17	69	4.94	8.24	9.05	0.6	0.036	1.19	0	0	2.0	1.4	21.0	7.8	0.1	0.6	0.6	9.4	1.1	43.3	10.4	64.2	13.6	14.6	
	E 2139	60-150	15	13	72	6.00	7.95	8.95	2.1	0.022	0.89	0	0	1.0	6.0	27.0	22.6	0.25	2.3	1.4	10.0	0.8	40.1	14.6	65.5	13.9	15.2	
	E 2140	150-200	13	15	72	5.97	8.00	8.90	1.55	0.014	0.53	0	0	1.2	4.8	34.0	22.6	0.1	2.0	2.0	10.8	0.75	36.1	19.6	67.25	15.0	16.0	
NV4, 6as	E 706											75.5	640	2.3	11.0	2.5	8.0	7.8	0.1	0.6	0.8	10.6	1.5	27.7	9.8	49.6	18.3	21.4
	E 2157	0-40	27	14	59	5.43			0.6	0.039	1.00	0	0	1.1	11.0	104	82.0	0.35	15.2	6.2	17.0	1.25	28.1	14.2	60.6	26.2	28.0	
	E 2158	40-90	22	13	65	4.38			7.0	0.025	0.93	1.1	8.1	8.1	11.0	54	70.0	0.2	0.2	8.6	17.6	1.25	26.7	16.4	62.0	25.5	27.9	
E 2159	90-200	16	15	69	7.06			5.2	0.022	0.69	2.3	11.2	14.3	54														

REMARKS: * The Cation Exchange Capacity computed by summation of Exch. Cation

* (1) Based on Clay %

* (2) Based on C.E.C.

TABLE 3.1 (Cont.) DETAILED LABORATORY ANALYSIS OF 17 SITES REPRESENTATIVE OF SOIL SERIES

Soil and Land Class	Sample No	Depth (cm)	Soil particles			pH		E.C. mmhos/cm	Total Nitrogen %	Total org. Carbon %	Extractable		Soluble Anions in Sat. Extr.meq.				Soluble Cations in Sat. Extr.meq.				Exchangeable Cat. meq. per 100 g of Soil				Exchange Capacity meq./100g of Soil	(1)	(2)	
			F. Sand	Silt	Clay	Incorporated Carbonate %	Soil Paste				1:5 Soil Suspension	Phosphate mg/100g of soil	Potash mg/100g of soil	Carbonate	Bicarbonate	Chloride	Sulphate	Sodium	Potassium	Calcium	Magnesium	Sodium	Potassium	Calcium				Magnesium
V4, 3a	M 654																											
	M 2880	0-35	30	13	57	3.22	8.05	8.80	0.40	0.048	0.79	34.0	880	0.75	2.6	1.2	27.0	5.2	0.1	0.2	2.3	6.5	0.6	31.8	10.0	48.9	11.4	13.2
	M 2882	35-115	30	13	57	3.09	8.10	9.10	1.44	0.034	0.69			0.7	4.4	5.8	27.0	18.2	0.2	1.0	1.0	11.7	0.4	26.7	9.5	48.3	20.5	24.2
	M 2884	115-200	15	22	63	3.91	7.82	8.90	6.50	0.025	0.54			0	6.3	2.7	92.0	80.0	0.2	18.3	8.4	12.0	0.5	31.9	13.8	58.2	19.1	20.6
V2, 31	M 656																											
	M 2892	0-36	49	10	41	0.77	7.69	7.80	2.50	0.053	1.04	54.5	1080	0	1.9	3.4	6.6	3.0	1.3	16.5	9.5	0.3	1.70	17.1	4.9	24.0	7.3	12.5
	M 2894	36-90	41	8	51	1.17	7.60	8.00	2.70	0.025	0.75			0	2.5	9.5	6.6	7.4	0.3	12.6	13.1	0.4	0.55	14.0	15.2	40.15	7.8	9.9
	M 2896	90-140	44	5	51	1.74	7.58	8.01	1.85	0.020	0.51			0	2.4	9.5	3.3	9.2	0.2	8.6	8.9	0.9	0.55	16.1	11.7	29.25	1.7	3.0
NV4, 4a	M 777																											
	M 3298	0-40	32	6	62	4.71			0.65	0.02	0.53	87.5	520	0	6.3	3.2	6.0	9.6	0.1	0.8	0	10.5	1.45	35.9	17.6	65.5	16.9	16.0
	M 3301	40-85	28	8	64	5.05			6.0	0.022	0.66			0	6.0	15.0	56	71.0	0.3	16.4	6.2	11.2	1.15	34.8	18.0	65.2	17.5	17.2
M 3304	85-170	18	14	68	4.13			6.5	0.022	0.70			0	5.2	20.0	84	74.0	0.3	15.0	8.2	17.2	1.05	34.2	17.6	70.6	25.3	24.4	

VOLUME II

APPENDIX 3

TABLE 3.2

LABORATORY ANALYSES OF REPRESENTATIVE SITES

Site No.	Soil and Land Class	Sample No.	Depth (cms)	Air Dry Moisture %	Soil Particles %			E.C.	P.H. Paste	Sol. Na		Sol. + Exch. Na meq/100g	Exch. Na meq/100g	E.S.P.
					Sand	Silt	Clay			meq/100g	meq/litre			
R 701	NV4 6a	R 2520	0-38	5	28	12	60	0.65	8.2	0.74	11.3	12.2	11.46	10.1
		2521	38-77	5	30	12	58	4.1	8.2	2.85	42.6	17.4	14.55	25.1
		2522	77-157	6	25	16	59	5.9	8.0	5.4	66.0	19.6	17.2	27.8
		2523	157-200	6	38	14	48	8.1	8.1	7.25	100.0	17.4	10.15	27.1
R 702	NV2 6als	R 2524	0-43		37	15	48	0.77	8.1	1.82	27.8	12.0	10.18	21.2
		2525	43-95		29	18	53	6.6	8.0	6.44	69.6	25.7	19.3	36.4
		2526	95-147		29	15	56	3.9	8.3	3.3	43.5	18.9	15.6	27.8
		2527	147-200		24	15	61	4.1	8.2	3.2	39.1	20.6	17.4	28.5
R 711	NV4 6a	R 2557	0-30	5	28	15	57	0.66	8.2	0.65	10.9	0.9	9.25	17.0
		2558	30-59	5	26	16	58	4.2	8.1	2.4	40.0	13.2	10.8	23.0
		2559	59-156	5	25	13	62	4.1	8.2	3.0	37.4	14.2	11.2	20.2
		2560	156-200	5	15	25	60	2.3	8.2	2.05	26.1	4.2	2.15	19.5

TABLE 3.2 (Continued)

LABORATORY ANALYSES OF REPRESENTATIVE SITES

Site No.	Soil and Land Class	Sample No.	Depth (cms)	Air Dry Moisture %	Soil Particles %			E.C.	P.H. Paste	Sol. Na		Sol. + Exch. Na meq/100g	Exch. Na meq/100g	E.S.P.
					Sand	Silt	Clay			meq/100g	meq/litre			
R 713	NV4 6as	R 2565	0- 17		29	18	53	0.79	8.3	0.74	12.2	13.8	17.06	19.1
		2566	17- 58		29	13	58	2.2	8.2	1.3	23.5	17.4	16.1	24.4
		2567	58-165		27	22	61	6.4	8.1	6.16	71.3	29.2	23.04	27.7
		2568	165-200		27	15	58	3.5	8.4	3.42	34.7	24.2	20.78	26.1
R 748	NV4 6as	R 2679	0- 33	5	30	15	55	0.72	8.0	0.55	8.3	18.7	10.05	18.2
		2680	33- 67	5.5	25	17	58	2.8	8.0	1.6	27.8	15.7	14.1	23.6
		2681	67-143	6	32	12	56	9.0	7.9	7.5	104.3	23.0	15.5	25.2
		2682	143-200	6	24	18	58	8.5	7.8	6.05	71.3	21.2	15.15	19.0

TABLE 3.2 (Continued)

LABORATORY ANALYSES OF REPRESENTATIVE SITES

Site No.	Soil and Land Class	Sample No.	Depth (cms)	Air Dry Moisture %	Soil Particles %			E.C.	P.H. Paste	Sol. Na		Sol. + Exch. Na meq/100g	Exch. Na meq/100g	E.S.P.
					Sand	Silt	Clay			meq/100g	meq/litre			
M 717 (pit)	NV4 6as	M 3082-3	0-45	6	30	16	54	0.85	8.5	0.65	9.6	13.3	12.65	23.4
		3084-5	45-115	6	28	14	58	7.1	8.2	6.0	80.0	22.5	16.5	28.4
		3086-7	115-170	8	24	15	61	6.5	8.0	6.41	82.0	21.3	14.89	24.4
M 756 (pit)	NV4 6as	M 3202-3	0-36		27	19	54	2.2	8.2	1.6	25.6	17.6	12.05	22.3
		3204-5	36-115		27	19	54	8.5	7.8	8.98	118.4	23.6	14.62	27.1
		3206-7	115-132		25	24	51	8.0	7.8	8.36	108.0	19.5	11.11	21.8
M 765 (pit)	V4 4as	M 3232-4	0-45		32	19	49	0.6	8.0	0.53	7.0	4.4	3.87	7.9
		3235-7	45-120		30	14	56	8.0	7.6	6.36	83.0	17.4	11.04	19.7
		3238-40	120-200		25	19	56	8.5	7.6	6.84	90.4	20.8	13.96	25.0
M 774 (pit)	NV4 4a	M 3265-7	0-33		30	14	56	0.6	8.3	0.58	8.7	9.4	8.82	15.8
		3268-70	33-112		30	11	59	4.2	7.8	3.74	53.2	15.6	11.86	20.1
		3271-3	112-156		32	14	54	5.0	7.7	4.4	57.2	17.4	13.0	20.4

LABORATORY ANALYSES OF REPRESENTATIVE SITES

Site No.	Soil and Land Class	Sample No.	Depth (cms)	Air Dry Moisture %	Soil Particles %			E.C.	P.H. Paste	Sol. Na		Sol. + Exch. Na meq/100g	Exch. Na meq/100g	E.S.P.
					Sand	Silt	Clay			meq/100g	meq/litre			
M 775 (pit)	NV4 6a	M 3280-2	0-38		17	51		0.5	8.0	0.55	9.6	11.8	11.3	22.2
		3283-5	38-110		17	56		5.0	7.8	4.84	65.2	17.4	12.56	22.4
		3286-8	110-158		14	59		4.0	7.9	4.14	52.0	17.4	13.30	22.6
M 776 (pit)	NV4 4a	M 3289-91	0-42		16	54		0.55	8.1	0.61	8.7	10.1	9.49	17.6
		3292-4	42-126		14	54		2.1	8.05	1.82	27.4	15.3	13.48	25.0
		3295-7	126-200		14	59		5.8	7.7	6.13	70.4	16.6	10.47	25.2
M 777 (pit)	NV4 4a	M 3208-300	0-40	6.6	6	62		0.65	8.7	0.6	9.6	11.1	10.5	16.9
		3301-3	40-85	8	8	64		6.0	7.9	5.6	71.2	16.8	11.2	17.5
		3304-6	85-170	8	14	68		6.5	7.8	6.42	71.0	23.6	17.18	25.3
M 887 (pit)	NV4 6a	M 3709-10	0-76		12	54		0.65	8.2	0.55	8.7	12.6	11.45	21.2
		3711-2	76-142		9	59		5.0	7.9	5.65	35.6	16.7	11.05	18.7
		3713	142-160		17	59		6.7	7.7	6.5	80.0	18.2	11.7	19.8

TABLE 3.2 (Continued)

TABLE 3.2 (Continued)

LABORATORY ANALYSES OF REPRESENTATIVE SITES

Site No.	Soil and Land Class	Sample No.	Depth (cms)	Air Dry Moisture %	Soil Particles %			E.C.	P.H. Paste	Sol. Na		Sol. + Exch. Na meq/100g	Exch. Na meq/100g	E.S.P.
					Sand	Silt	Clay			meq/100g	meq/litre			
E 706 (pit)	NV4 6as	E 2157	0-40	4	27	14	59	0.6	8.0	0.18	7.8	8.2	10.62	18.3
		2158	40-90	6	22	13	65	7.0	8.0	6.00	81.7	20.5	14.5	26.2
		2159	90-200	7	16	15	69	5.2	8.1	4.80	70.0	18.8	14.0	25.5
E 721 (pit)	NV4 6a	E 2202	0-55	7	24	13	63	0.75	8.0	1.00	9.6	16.9	10.0	15.9
		2203	55-100	6	25	10	65	6.1	7.8	5.80	76.5	31.4	12.6	25.6
		2204	100-200	7	11	16	73	7.8	7.7	9.00	104.3	18.8	0.8	17.2

TABLE NO. 3.3

Pit No.	Soil Class Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
				Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9
E403	V2 31	E 1506	0-90	45	14	41	0.6	0.3	4.5	11.1
		1507	-175	44	6	50	4.5	2.3	15.5	31.0
		1508	-200				5.0			
E404	V2 31	E 1509	0-100	48	11	41	0.7	0.4	4.5	10.9
		1510	-180	47	7	46	3.6	2.7	12.8	30.0
		1511	-200				4.0			
E408	V4 3a	E 1521	0-80	30	15	55	0.7	0.5	7.8	14.1
		1522	-110	34	11	55	6.0	4.7	12.2	22.2
		1523	-170				5.4			
E409	V4 3as	E 1524	0-50	30	16	54	0.7	0.5	7.0	13.0
		1525	-120	28	13	59	8.0	7.0	13.4	22.7
		1526	-150				9.0			
E413	NV4 4a	E 1537	0-80	25	11	64	2.1	1.6	12.8	20.0
		1538	-140	28	13	59	6.2	6.5	14.7	24.9
		1539	-200				6.0			
E414	V4 2	E 1540	0-25	25	11	64	0.5	0.5	6.5	10.1
		1541	-150	29	9	62	3.2	2.7	9.0	14.5
		1542	-180				5.2			
E415	V4 4a	E 1543	0-30	30	11	59	0.7	0.7	8.7	14.7
		1544	-95	24	11	65	2.6	2.1	13.1	20.2
		1545	-160				3.0			
E416	V4 2	E 1546	0-60	20	11	69	0.5	0.5	8.8	12.8
		1547	-150	16	10	74	1.4	1.2	11.0	14.9
		1548	-200				2.0			
E417	E 41	E 1549	0-50	65	4	31	0.4	0.1	1.2	4.0
		1550	-100	64	4	32	0.4	0.4	2.2	6.9
		1551	-150				0.7			
E418	NV2 6a	E 1552	0-80	58	8	34	0.9	0.6	6.2	18.2
		1553	-150	61	7	32	7.8	5.0	9.4	29.4
		1554	-200				5.5			
E419	NV2 6a	E 1555	0-90	49	10	41	1.0	0.7	6.9	16.8
		1556	-150	39	14	47	6.7	2.1	9.2	19.6
		1557	-180				7.2			
E420	NV2 6a	E 1558	0-60	48	8	44	2.4	1.8	10.4	23.6
		1559	-110	49	9	42	8.0	5.6	10.9	26.0
		1560	-140				8.0			

TABLE NO. 3.3

Pit No.	Soil Class Land Class	Sample No.	Depth cms	Mechanical analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100g	Exch. Na. meq. per 100 g	E.S.P.
				Sand 2.0-0.02	Silt 0.02-0.002mm	Clay <0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9
E421	NV2 6a	E 1561	0-50	48	11	41	0.8	0.6	7.6	18.5
		1562	-100	50	8	42	7.0	5.6	10.9	26.0
		1563	-180				7.5			
E422	NV2 6a	E 1564	0-50	55	6	39	1.6	1.0	6.5	16.7
		1565	-100	60	6	34	7.5	4.9	7.7	22.6
		1566	-200				2.7			
E423	E 6a	E 1567	0-50	73	3	24	1.2	0.8	4.3	18.1
		1568	-100	74	4	22	3.4	2.5	6.2	28.2
		1569	-160				4.7			
E424	NV2 6a	E 1570	0-80	53	8	39	0.8	0.5	8.7	22.3
		1571	-130	49	9	42	6.2	5.0	8.9	21.2
		1572	-160				6.8			
E425	NV2 6a	E 1573	0-90	58	8	34	2.4	1.6	8.3	24.4
		1574	-150	52	8	40	6.0	5.5	9.7	24.2
		1575	-200				2.0			
E426	E 6a	E 1576	0-50	60	9	31	2.6	1.3	6.7	21.6
		1577	-100	62	8	30	6.8	5.2	7.0	23.3
		1578	-150				6.0			
E427	E 41	E 1579	0-100	63	6	31	0.6	0.1	0.6	2.0
		1580	-160	64	4	32	0.9	0.3	1.0	3.1
		1581	-200				0.9			
E428	V2 31	E 1582	0-60	49	10	41	0.8	0.3	3.6	8.9
		1583	-150	49	9	42	2.8	3.2	4.6	10.9
		1584	-200				5.2			
E429	NV2 6a	E 1585	0-100	53	6	41	2.2	1.5	8.1	19.7
		1586	-150	59	4	37	8.0	5.5	7.1	19.2
		1587	-200				4.6			
E430	NV4 3a1	E 1588	0-95	48	8	44	2.4	1.6	7.8	17.7
		1589	-150	47	8	45	6.7	4.8	6.9	15.4
		1590	-200				5.7			
E431	V2 31	E 1591	0-105	48	11	41	1.1	0.5	5.1	12.6
		1592	-150	52	6	42	6.0	3.4	5.3	12.6
		1593	-180				5.9			
E432	V2 31	E 1594	0-100	45	9	46	2.4	1.7	7.0	15.2
		1595	-150	21	10	69	6.2	4.6	9.3	13.5
		1596	-180				6.5			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002 mm				
1	2		3	4	5a	5b	5c	6	7	8	9
E433	E 41	E 1597	0-50	65	1	34	0.3	0.1	0.6	1.9	
			-100	69	2	29	0.3	0.2	0.3	0.8	
			-150				0.4				
E434	V4 2	E 1600	0-60	38	11	51	0.5	0.3	4.2	8.2	
			-130	39	9	52	3.7	0.7	7.1	13.7	
			-170				4.6				
E435	NV4 4a	E 1603	0-80	40	9	51	0.7	0.4	8.5	16.8	
			-160	39	9	52	5.0	3.5	8.7	16.7	
			-190				5.9				
E436	V4 3a	E 1606	0-80	38	11	51	0.7	0.4	7.3	14.2	
			-150	41	7	52	2.3	1.4	11.7	22.5	
			-190				5.0				
E437	V4 2	E 1609	0-60	40	11	49	0.5	0.4	6.8	13.9	
			-120	41	7	52	3.6	2.7	7.7	14.8	
			-200				3.4				
E438	V4 2	E 1612	0-60	38	7	55	0.8	0.4	4.7	8.7	
			-100	39	12	49	3.8	2.2	6.5	13.3	
			-170				4.7				
E439	V4 3a	E 1615	0-60	40	9	51	0.8	0.4	7.2	14.2	
			-125	36	12	52	6.0	4.3	10.5	20.2	
			-180				6.5				
E440	NV4 4a	E 1618	0-60	38	8	54	1.1	0.7	8.6	16.0	
			-90	39	11	50	5.9	4.0	8.2	16.4	
			-160				6.0				
E441	V4 2	E 1621	0-70	43	8	49	1.1	0.6	7.0	14.3	
			-130	39	9	52	5.0	3.4	7.9	15.2	
			-170				5.4				
E442	V2 3a1	E 1624	0-50	43	11	46	0.7	0.4	6.8	14.9	
			-100	53	5	42	4.2	3.2	8.1	19.3	
			-160				6.0				
E443	E 41	E 1627	0-30	63	6	31	0.3	0.0	0.7	2.0	
			-60	64	1	35	0.3	0.1	0.0	0.0	
			-110				0.4				
E444	V2 31	E 1630	0-100	47	9	44	1.2	0.7	4.5	10.2	
			-140	46	7	47	2.8	2.2	4.3	9.2	
			-195				4.6				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay <0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
E445	NV4	3a	E 1633	0-105	35	11	54	2.0	1.3	8.8	16.3
			1634	-120	37	11	52	6.5	5.0	12.4	23.8
			1635	-150				6.7			
E446	NV4	3a	E 1636	0-100	40	9	51	0.6	0.4	8.8	17.0
			1637	-160	43	10	47	5.2	3.1	9.1	19.4
			1638	-190				4.5			
E447	V2	31	E 1639	0-80	47	7	46	0.5	0.3	5.1	11.1
			1640	-150	43	10	47	3.1	2.4	9.3	19.8
			1641	-190				6.2			
E448	V2	31	E 1642	0-100	49	5	46	1.2	0.6	5.2	11.4
			1643	-170	44	11	45	4.6	3.2	5.5	12.2
			1644	-200				5.1			
E449	V4	2	E 1645	0-100	38	10	52	1.8	1.2	7.5	14.4
			1646	-160	34	11	55	5.0	3.4	7.9	14.4
			1647	-190				5.2			
E450	V4	2	E 1648	0-90	35	11	54	1.5	1.1	7.1	13.3
			1649	-170	39	6	55	5.5	3.8	6.2	11.3
			1650	-285				5.5			
E451	V4	3a	E 1651	0-50	35	11	54	0.6	0.4	6.0	11.1
			1652	-110	39	6	55	1.0	1.0	9.4	17.1
			1653	-170				5.5			
E452	V4	3a	E 1654	0-50	30	13	57	0.9	0.4	7.3	12.9
			1655	-100	34	9	57	0.6	0.6	9.0	15.8
			1656	-170				3.0			
E453	V4	2	E 1657	0-90	47	1	52	0.4	0.3	4.9	9.4
			1658	-170	41	9	50	1.1	1.0	6.0	12.0
			1659	-200				4.7			
E454	V4	2	E 1660	0-50	40	11	49	0.5	0.4	6.2	12.5
			1661	-110				2.2			
			1662	-170				5.0			
E455	V2	3a1	E 1663	0-60	43	13	44	0.5	0.4	4.8	10.8
			1664	-120	49	6	45	5.2	3.1	10.4	23.1
			1665	-180				5.2			
E456	V4	3a	E 1666	0-50	33	13	54	0.7	0.5	7.5	13.9
			1667	-120	24	9	67	1.8	2.1	15.7	23.4
			1668	-200				1.4			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002 mm				
1	2		3	4	5a	5b	5c	6	7	8	9
E457	V4	3as	E 1669	0-50	23	13	64	2.1	2.0	8.8	13.7
			1670	-100	31	12	57	6.5	5.8	11.8	20.2
			1671	-120				7.0			
E458	V4	2	E 1672	0-60	20	13	67	1.5	1.6	8.0	11.9
			1673	-140	24	11	65	5.5	4.4	5.2	8.0
			1674	-170				6.0			
E459	V4	6a	E 1675	0-50	20	16	64	0.7	0.5	7.4	11.6
			1676	-100	26	11	63	3.3	2.7	16.9	26.8
			1677	-160				3.7			
E460	V4	3a	E 1678	0-50	23	13	64	1.5	1.5	9.3	14.5
			1679	-100	19	16	65	6.1	5.7	13.9	21.4
			1680	-170				5.5			
E461	V4	3a	E 1681	0-60	23	13	64	1.1	1.0	7.7	12.1
			1682	-100	27	11	62	5.0	4.5	13.3	21.4
			1683	-170				3.9			
E462	V4	3a	E 1684	0-50	28	10	62	1.6	1.2	7.5	12.1
			1685	-100	29	9	62	4.0	2.8	13.3	21.4
			1686	-150				2.7			
E463	V4	2	E 1687	0-50	20	13	67	1.8	1.4	8.4	12.5
			1688	-100	29	9	62	4.5	3.3	8.9	14.4
			1689	-200				5.2			
E464	V4	3a	E 1690	0-50	23	13	64	0.6	0.5	6.5	10.1
			1691	-100	25	10	65	2.6	1.9	11.2	17.2
			1692	-200				4.0			
E465	NV4	4a	E 1693	0-50	38	3	59	2.2	2.0	10.5	17.7
			1694	-100	31	10	59	1.7	1.2	8.4	14.2
			1695	-200				0.9			
E466	V4	3a	E 1696	0-50	23	15	62	0.8	0.6	6.9	11.1
			1697	-100	26	10	64	2.3	1.9	10.7	16.7
			1698	-200				2.6			
E467	V2	3a1	E 1699	0-40	45	11	44	0.8	0.6	4.5	10.3
			1700	-120	49	9	42	1.7	1.5	9.4	22.4
			1701	-200				1.3			
E468	NV4	4a	E 1702	0-60	33	13	54	1.0	0.7	9.4	17.4
			1703	-120	36	12	52	5.8	4.9	11.0	21.2
			1704	-200				2.3			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. Per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
E469	NV4	3as	E 1705	0-60	20	13	67	1.5	1.0	10.6	15.8
			1706	-140	26	12	62	7.2	6.5	10.4	16.8
			1707	-200				6.9			
E470	V4	3a	E 1708	0-80	28	13	59	1.2	0.9	9.0	15.3
			1709	-160	37	13	50	2.6	3.5	8.7	17.4
			1710	-190				2.4			
E471	V4	3a	E 1711	0-60	23	13	64	2.1	1.6	9.0	14.1
			1712	-110	26	12	62	5.2	4.7	11.0	17.8
			1713	-180				6.2			
E472	V4	3a	E 1714	0-80	25	11	64	2.6	2.1	9.7	15.1
			1715	-130	26	12	62	5.0	4.4	12.1	19.5
			1716	-200				6.0			
E473	V4	2	E 1717	0-50	28	13	59	3.4	2.5	8.6	14.6
			1718	-100	27	17	56	4.8	3.6	8.1	14.5
			-								
E474	V4	3a	E 1719	0-40	25	13	62	1.9	1.5	7.5	12.1
			1720	-80	26	12	62	7.0	4.8	9.6	15.1
			1721	-180				6.0			
E475	V4	2	E 1722	0-40	18	18	64	1.0	0.6	7.8	12.3
			1723	-120	26	12	62	2.8	2.5	9.7	15.6
			1724	-200				2.4			
E476	V4	2	E 1725	0-50	25	11	64	0.5	0.4	5.7	8.9
			1726	-100				0.9			
			1727	-200				2.7			
E477	V4	2	E 1728	0-80	20	13	67	0.8	0.6	8.8	13.3
			1729	-160	29	7	64	2.8	2.1	9.2	14.4
			1730	-200				2.7			
E478	V4	2	E 1731	0-50	28	13	59	0.6	0.5	8.2	13.9
			1732	-100	31	10	59	2.2	1.7	8.7	14.8
			1733	-170				1.8			
E479	NV4	4a	E 1734	0-80	20	11	69	3.2	3.1	12.5	19.6
			1735	-100	44	9	47	2.2	1.8	10.4	22.2
			1736	-170				0.8			
E480	NV4	4a	E 1737	0-80	23	10	67	1.1	0.9	10.9	16.3
			1738	-160	31	10	59	3.6	3.9	13.9	23.6
			1739	-200				3.0			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 40.002 mm				
1	2		3	4	5a	5b	5c	6	7	8	9
E481	V4	2	E 1740	0-50	25	11	64	1.5	1.2	8.5	13.3
			1741	-100	27	13	60	3.3	2.4	8.0	13.3
			1742	-200				2.7			
E482	V3	3s	E 1743	0-50	30	6	64	4.6	4.1	7.5	11.7
			1744	-100	27	11	62	5.5	3.2	11.6	18.7
			1745	-200				2.2			
E483	NV4	4a	E 1746	0-50	23	13	64	2.8	1.5	11.4	17.8
			1747	-100	31	7	62	5.0	4.6	13.2	21.3
			1748	-200				6.2			
E484	V4	2	E 1749	0-90	22	3	75	2.3	2.0	9.1	12.1
			1750	-140	31	7	62	7.2	5.9	8.9	14.4
			1751	-200				6.2			
E485	V4	2	E 1752	0-80	23	13	64	1.0	0.7	8.9	13.9
			1753	-120	29	12	59	4.0	3.3	8.0	13.6
			1754	-200				5.5			
E486	V4	2	E 1755	0-40	23	13	64	0.8	0.5	6.3	9.8
			1756	-120	19	16	65	5.8	4.3	8.8	13.5
			1757	-200				6.5			
E487	NV4	4a	E 1758	0-80	33	10	57	1.2	0.8	10.1	17.8
			1759	-140	29	14	57	5.2	4.1	8.1	14.2
			1760	-200				3.8			
E488	V2	31	E 1761	0-80	45	6	47	1.1	0.7	7.1	15.1
			1762	-160	45	10	45	3.0	2.9	5.4	12.0
			1763	-200				2.4			
E489	V4	2	E 1764	0-50	36	10	54	0.7	0.5	5.9	10.9
			1765	-100	39	11	50	1.5	0.6	5.1	10.2
			1766	-200				1.5			
E490	NV3	4a	E 1767	0-50	28	13	59	5.5	4.7	11.3	19.1
			1768	-100	31	10	59	5.8	3.8	13.4	22.7
			1769	-140				3.0			
E491	NV1	4a.s	E 1770	0-50	33	21	46	6.5	4.6	9.4	20.4
			1771	-90	37	16	47	8.0	5.1	8.8	18.7
E492	V4	2	E 1772	0-50	21	13	66	1.5	1.3	8.3	12.6
			1773	-100	29	11	60	3.5	2.8	6.8	11.3
			1774	-200				5.1			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
E493	V4	2	E 1775	0-50	21	10	69	2.1	1.7	7.2	10.4
			1776	-100	24	14	62	2.9	2.3	6.4	10.3
			1777					3.2			
E494	V4	2	E 1778	0-50	21	13	66	1.2	1.0	8.6	13.1
			1779	-100	31	7	62	2.2	1.6	6.2	10.0
			1780	-200				2.5			
E495	V4	2	E 1781	0-50	21	13	66	1.7	1.3	7.4	11.2
			1782	-100	36	10	54	4.2	3.0	5.7	10.6
			1783	-200				3.4			
E496	V4	2	E 1784	0-50	21	13	66	0.8	0.5	7.0	10.7
			1785	-100	23	12	65	3.6	3.6	6.8	10.3
			1786	-200				2.6			
E497	V4	2	E 1787	0-50	18	13	69	1.2	0.9	7.4	10.7
			1788	-100	26	9	65	2.2	1.6	8.0	12.3
			1789	-200				3.2			
E498	V4	2	E 1790	0-50	18	11	71	1.8	1.7	8.0	11.3
			1791	-100	22	13	65	4.6	3.8	7.9	12.1
			1792	-200				5.5			
E499	V4	3a	E 1793	0-50	21	13	69	0.5	0.5	9.6	13.9
			1794	-100	26	9	65	2.6	1.9	12.0	18.4
			1795	-200				3.8			
E500	NV3	4a	E 1796	0-100	28	11	61	4.6	5.2	10.4	17.0
			1797	-200	41	9	50	7.2	5.7	11.7	23.4
			1798	-300				2.2			
E501	NV3	4a ^c	E 1799	0-60	28	11	61	5.0	5.2	11.0	16.6
			1800	-100	27	13	60	6.2	5.0	11.0	18.3
			1801	-200				6.0			
E502	NV3	4a	E 1802	0-50	23	16	61	7.0	8.0	12.8	20.9
			1803	-100	26	14	60	5.0	4.2	9.7	16.2
			1804	-200				2.0			
E503	NV4	4a	E 1805	0-50	23	13	64	1.4	1.4	11.3	17.6
			1806	-100	29	9	62	4.7	2.7	11.2	18.1
			1807	-200				4.5			
E504	NV3	3a	E 1808	0-60	23	13	64	5.4	4.8	9.8	15.3
			1809	-125	23	12	65	5.0	3.4	6.6	10.1
			1810	-200				3.0			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay <0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
E505	V4	2	E 1811	0-50	21	13	66	0.6	0.5	8.4	12.7
			1812	-100	22	13	65	2.8	2.3	9.0	13.8
			1813	-200				3.2			
E506	V4	2	E 1814	0-80	18	13	69	1.2	1.0	8.7	12.7
			1815	-160	24	12	64	3.4	2.5	9.2	14.4
			1816	-200				5.5			
E507	V4	2	E 1817	0-80	21	13	66	2.4	1.9	9.7	14.7
			1818	-160	24	11	65	5.0	3.7	9.4	14.5
			1819	-200				5.8			
E508	NV3	6a	E 1820	0-50	33	13	54	5.4	3.6	12.9	23.9
			1821	-100	34	14	52	6.8	4.9	11.6	22.4
			1822	-200				3.6			
E509	NV4	4a	E 1823	0-50	16	13	71	2.4	2.0	13.0	18.3
			1824	-100	16	9	75	3.2	2.6	13.5	18.0
			1825	-200				2.1			
E510	NV1	6a ^{ss}	E 1826	0-60	51	8	41	7.8	5.4	12.0	29.2
			1827	-200	82	4	14	1.2	0.5	0.4	28.6
E511	V4	2	E 1828	0-60	21	13	66	1.0	0.9	9.4	14.3
			1829	-100	24	11	65	3.4	2.5	7.1	10.9
			1830	-170				5.5			
			1831	-200				6.2			
E512	V4	2	E 1832	0-60	21	15	64	2.5	2.2	7.4	11.6
			1833	-120	23	12	65	4.0	3.1	8.2	12.6
			1834	-200				6.2			
E513	NV3	4a	E 1835	0-80	18	13	69	4.2	5.2	12.2	17.7
			1836	-120	23	11	66	5.0	4.5	11.2	17.0
			1837	-200				5.0			
E514	V4	2	E 1838	0-50	18	13	69	1.5	1.3	9.7	14.1
			1839	-100	25	9	66	5.5	5.2	6.1	9.25
			1840	-160				4.4			
E515	V4	2	E 1841	0-50	28	6	66	1.2	0.9	9.5	14.3
			1842	-100	25	13	62	4.2	4.1	5.5	11.7
			1843	-200				6.0			
E516	V2	31	E 1844	0-50	43	13	44	0.7	0.3	2.1	4.7
			1845	-100	44	9	47	1.9	1.1	1.1	2.3
			1846	-200				2.3			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
E517	V4	2	E 1847	0-80	16	13	71	1.4	1.1	10.0	14.1
			1848	-160	20	13	67	1.5	2.5	7.5	11.2
			1849	-200				5.0			
E518	V4	2	E 1850	0-70	23	11	66	1.1	0.9	9.5	14.4
			1851	-170	18	15	67	4.1	2.8	8.5	12.7
			1852	-200				5.5			
E519	V4	2	E 1853	0-50	18	18	64	0.7	0.6	6.0	9.3
			1854	-100	18	12	70	3.6	2.1	4.4	6.2
			1855	-200				2.8			
E520	V4	2	E 1856	0-50	18	16	66	1.1	1.1	7.6	11.5
			1857	-100	17	16	67	3.4	2.1	3.1	4.6
			1858	-200				2.5			
E521	V4	2	E 1859	0-50	18	18	64	0.6	0.4	6.5	11.7
			1860	-100	27	11	62	1.6	1.4	3.8	6.1
			1861	-200				3.4			
E522	V4	2	E 1862	0-50	18	11	71	1.1	1.1	10.0	14.1
			1863	-100	25	13	62	2.7	1.7	6.1	9.8
			1864	-200				2.2			
E523	V4	2	E 1865	0-50	16	15	69	0.6	0.4	7.9	11.4
			1866	-100	26	12	62	1.8	1.2	0.6	0.8
			1867	-200				2.7			
E524	V4	2	E 1868	0-50	16	13	71	0.6	0.4	7.4	10.4
			1869	-100	24	11	65	1.4	0.9	10.4	15.0
			1870	-200				1.9			
E525	V4	2	E 1871	0-70	16	13	71	0.8	0.5	8.2	12.9
			1872	-160	15	13	72	2.6	1.6	8.0	11.1
			1873	-200				2.3			
E526	V4	2	E 1874	0-60	13	16	71	1.7	1.3	9.1	12.8
			1875	-130	16	14	70	4.2	2.6	7.8	11.1
			1876	-200				5.4			
E527	V4	3a	E 1877	0-50	16	15	69	1.1	0.8	9.6	13.9
			1878	-100	27	12	61	3.8	2.6	11.3	18.6
			1879	-200				5.1			
E528	NV4	4a	E 1880	0-60	13	18	69	3.0	2.3	12.5	19.5
			1881	-140	18	12	70	3.5	2.6	10.5	15.0
			1882	-200				2.8			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
E529	V4 2	E 1883	0-70	20	11	69	1.5	1.1	8.8	12.7	
			1884 -135	14	16	70	3.1	2.3	9.0	12.8	
			1885 -200				5.2				
E530	V4 2	E 1886	0-50	15	16	69	0.6	0.5	8.8	12.8	
			1887 -100	17	13	70	2.9	2.4	7.6	10.9	
			1888 -170				2.8				
E531	V4 2	E 1889	0-50	15	14	71	0.6	0.4	8.3	11.7	
			1890 -100	15	15	70	1.1	0.8	7.0	10.0	
			1891 -200				1.8				
E532	V4 2	E 1892	0-50	15	14	71	0.5	0.3	7.7	12.8	
			1893 -100	14	14	72	1.4	0.8	7.0	9.7	
			1894 -200				2.2				
E533	V4 2	E 1895	0-50	20	11	69	0.9	0.6	9.2	13.4	
			1896 -100	15	13	72	2.5	1.7	8.7	12.1	
			1897 -200				3.2				
E534	V4 2	E 1898	0-50	15	14	71	1.0	0.7	10.6	14.9	
			1899 -100				1.3				
			1900 -170				1.5				
E535	V4 2	E 1901	0-50	15	19	66	0.6	0.6	9.1	13.8	
			1902 -100	15	15	70	3.8	2.6	10.5	15.0	
			1903 -120				2.2				
E536	V4 2	E 1904	0-50	15	19	66	0.8	0.6	6.2	9.4	
			1905 -100	8	15	77	3.0	2.0	7.6	9.8	
			1906 -200				2.6				
E537	V4 2	E 1907	0-50	15	19	66	0.6	0.5	7.7	11.6	
			1908 -100	19	11	70	1.0	0.6	10.7	15.3	
			1909 -200				2.2				
E538	V4 2	E 1910	0-50	18	16	66	0.5	0.5	6.5	9.7	
			1911 -100	21	12	67	1.7	1.0	7.3	10.9	
			1912 -200				1.8				
E539	V4 2	E 1913	0-50	18	18	64	0.7	0.7	7.3	11.4	
			1914 -100	24	11	65	2.8				
			1915 -200				3.4				
E540	NV4 4a	E 1916	0-50	43	3	54	1.5	1.4	10.1	18.7	
			1917 -130	17	13	70	3.7	2.3	10.3	14.7	
			1918 -200				3.6				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay ∇ 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
E541	V4 2	E 1919	0-50	18	16	66	1.2	1.0	8.8	13.3	
			-100	20	13	67	2.2	1.6	10.6	15.4	
			-200				2.5				
E542	V4 2	E 1922	0-60	18	16	66	0.8	0.7	7.8	11.8	
			-160	14	16	70	3.2	2.3	10.8	15.4	
			-200				5.6				
E543	V4 2	E 1925	0-50	21	15	64	0.9	0.7	8.3	12.6	
			-100	21	12	67	3.2	2.2	9.5	14.2	
			-200				4.7				
E544	NV4 4a	E 1928	0-60	31	15	54	2.1	1.8	11.1	20.6	
			-120	25	13	62	5.8	4.9	10.8	17.3	
			-200				6.5				
E545	V4 3a	E 1931	0-50	21	13	66	0.7	0.5	9.8	14.9	
			-100	20	11	69	3.2	2.4	11.1	16.1	
			-180				3.8				
E546	V4 2	E 1934	0-50	21	15	64	0.8	0.6	8.1	12.6	
			-110	20	13	67	2.7	1.7	9.6	14.3	
			-200				2.0				
E547	V4 2	E 1937	0-90	21	13	66	0.9	7.1	2.8	4.2	
			-170	26	9	65	4.8	3.7	11.1	17.1	
			-200				0.9				
E548	V4 2	E 1940	0-90	21	13	66	2.6	2.0	8.1	12.3	
			-180	22	13	65	2.2	1.8	7.8	12.0	
			-200				2.1				
E549	NV4 4a	E 1943	0-80	21	10	69	1.2	1.0	11.5	16.6	
			-150	22	11	67	1.9	1.3	12.2	18.2	
			-200				1.4				
E550	NV4 4a	E 1946	0-70	23	13	64	0.9	0.8	10.0	15.6	
			-140	20	13	61	2.2	1.4	9.9	16.2	
			-200				1.3				
E551	NV4 4a	E 1949	0-60	33	3	64	1.0	0.9	10.4	16.2	
			-140	19	14	67	5.0	3.7	11.3	16.9	
			-200				6.0				
E552	V4 2	E 1952	0-50	21	13	66	0.5	0.4	7.5	11.4	
			-100	19	14	67	1.6	0.8	7.9	11.8	
			-200				3.3				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
E553	V4	2	E 1955	0-50	21	15	64	0.6	0.4	5.4	8.4
			1956	-100	24	10	66	1.3	0.7	2.8	4.2
			1957	-200				1.6			
E554	V4	2	E 1958	0-90	21	13	66	0.5	0.4	5.2	7.9
			1959	-170	19	14	67	1.1	0.6	10.3	15.4
			1960	-200				2.1			
E555	V4	2	E 1961	0-50	20	16	64	1.1	0.9	7.0	10.9
			1962	-100	22	13	65	3.2	2.0	6.7	10.3
			1963	-200				3.2			
E556	V4	2	E 1964	0-50	18	13	69	0.4	0.4	6.6	9.4
			1965	-100	23	12	65	1.0	0.5	6.9	10.6
			1966	-200				2.5			
E557	V4	2	E 1967	0-50	23	11	66	0.6	0.5	6.8	10.3
			1968	-100	24	9	67	1.1	0.6	7.2	10.7
			1969	-200				3.8			
E558	V4	2	E 1970	0-50	18	16	66	0.5	0.4	6.2	9.4
			1971	-100	26	9	65	0.7	0.6	8.5	13.1
			1972	-200				2.8			
E559	V4	2	E 1973	0-100	20	12	68	2.1	2.2	9.1	13.5
			1974	-180	16	14	70	2.6	1.9	10.3	14.7
			1975	-300				1.2			
E560	V4	2	E 1976	0-50	20	12	68	0.5	0.4	6.2	9.1
			1977	-110	22	13	65	1.7	1.1	9.9	15.2
			1978	-200				2.0			
E561	V4	2	E 1979	0-50	23	11	66	0.5	0.4	5.7	8.6
			1980	-100	27	11	62	1.3	0.9	7.8	12.6
			1981	-200				2.1			
E562	V4	2	E 1982	0-50	20	14	66	0.8	0.6	6.9	10.5
			1983	-100	18	10	72	2.8	1.8	6.9	9.6
			1984	-200				2.4			
E563	V4	2	E 1985	0-50	20	12	68	0.6	0.4	6.6	9.6
			1986	-100	26	9	65	1.3	0.7	8.0	12.3
			1987	-170				3.0			
E564	V4	2	E 1988	0-50	23	14	63	2.4	0.8	2.3	3.4
			1989	-100	21	12	67	3.5	2.4	5.4	8.1
			1990	-200				5.0			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol.Na meq.per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
E565	V4	2	E 1991	0-50	23	11	66	0.5	0.6	6.2	9.4
			1992	-100	19	11	70	2.7	1.5	8.1	11.6
			1993	-200				3.2			
E567	V4	2	E 1994	0-50	18	14	68	0.4	0.3	5.6	8.2
			1995	-100	26	9	65	0.8	0.5	6.9	10.6
			1996	-200				2.8			
E568	V4	2	E 1997	0-50	20	14	66	0.5	0.4	7.3	11.1
			1998	-100	14	14	72	1.2	0.6	9.0	12.5
			1999	-200				3.3			
E569	V4	2	E 2000	0-50	18	11	71	0.5	0.3	6.7	9.4
			2001	-100	22	13	65	1.7	1.2	7.5	11.0
			2002	-200				2.4			
E569	V4	2	E 2003	0-50	18	14	68	0.5	0.3	5.2	7.7
			2004	-100	21	12	67	1.0	0.5	6.0	8.9
			2005	-200							
E570	V4	2	E 2006	0-50	18	14	68	0.7	0.5	7.2	10.6
			2007	-100	21	12	67	2.8	2.0	6.7	10.0
			2008	-200				3.3			
E571	V4	2	E 2009	0-50	15	17	68	0.5	0.4	7.8	11.4
			2010	-100	18	12	70	1.2	0.9	9.5	13.6
			2011	-200				3.1			
E572	V4	2	E 2012	0-50	20	14	66	1.0	0.7	5.8	8.8
			2013	-100	18	12	70	1.7	1.1	6.7	9.5
			2014	-200				1.2			
E573	V4	3a	E 2015	0-50	18	11	71	0.6	2.8	5.7	8.0
			2016	-100	25	10	65	2.0	1.1	11.1	17.1
			2017	-200				3.6			
E574	NV4	6a	E 2018	0-50	35	14	51	3.8	0.6	12.6	24.6
			2019	-100	40	15	45	3.4	1.9	8.5	18.9
			2020	-200				1.7			
E575	V2	31	E 2021	0-50	50	9	41	0.8	0.3	2.9	7.2
			2022	-100	37	11	52	1.1	0.4	4.0	7.7
			2023	-200				1.1			
E576	NV2	6a1	E 2024	0-60	43	11	46	1.2	0.8	9.1	19.7
			2025	-150	52	10	38	1.3	1.1	13.7	36.0
			2026	-200				1.1			

TABLE No. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol.Na meq.per 100g	Exch. Na meq. per 100 g	F.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002 mm	Clay < 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
E577	NV3 6as	E 2027	0-50	20	14	66	7.5	8.7	21.3	22.3	
			-100	23	10	67	2.5	3.4	26.2	39.2	
			-200				1.8				
E578	NV3 4a	E 2030	0-60	23	19	58	5.2	4.9	11.1	19.1	
			-100	18	19	63	5.0	3.3	13.2	21.0	
			-190				2.3				
E579	NV4 4a	E 2033	0-50	28	14	58	3.3	2.5	10.9	18.8	
			-100	30	11	59	2.3	1.7	9.6	16.2	
			-200				1.5				
E580	V4 2	E 2036	0-50	20	12	68	1.2	0.9	8.3	12.1	
			-100	21	12	67	2.8	1.8	7.3	10.9	
			-200				5.0				
E581	V4 2	E 2039	0-50	18	14	68	0.8	0.6	8.3	12.2	
			-100	24	12	64	1.6	1.0	7.3	11.4	
			-200				3.1				
E582	V4 2	E 2042	0-50	18	14	68	1.1	0.8	9.6	14.2	
			-100	20	13	67	2.2	1.5	9.4	14.0	
			-200				2.2				
E583	V4 2	E 2045	0-50	18	11	71	0.7	0.6	8.5	12.0	
			-100	24	12	64	1.4	0.8	0.8	13.8	
			-200				1.6				
E584	V4 2	E 2048	0-50	20	14	66	0.6	0.5	7.2	10.9	
			-100	23	10	67	2.3	1.5	9.8	14.6	
			-200				2.2				
E585	V4 2	E 2051	0-50	30	12	58	0.6	0.5	7.0	12.1	
			-100	20	11	69	1.5	1.0	7.7	11.2	
			-200				2.0				
E586	V4 2	E 2054	0-50	15	14	71	0.6	0.5	7.4	10.4	
			-100	19	12	69	2.0	1.4	9.5	13.8	
			-200				3.8				
E587	V4 2	E 2057	0-50	18	14	68	0.9	0.8	8.4	12.4	
			-100	17	11	72	3.2	2.0	11.1	15.4	
			-200				4.7				
E588	V4 2	E 2060	0-50	20	12	68	0.8	0.6	7.8	11.4	
			-100	24	7	69	2.8	1.6	9.3	13.5	
			-200				2.5				

TABLE NO. 3.3

Pit No.	Soil Class Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
				Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9
E589	V4 2	E 2063	0-50	21	18	61	0.6	0.5	6.1	9.9
			-100	24	9	67	2.6	1.7	8.3	12.4
			-200				2.2			
E590	V4 2	E 2066	0-50	21	16	63	0.6	0.4	5.2	8.2
			-100	18	13	69	2.1	1.8	5.6	8.1
			-200				4.4			
E591	V4 2	E 2069	0-50	21	16	63	0.6	0.4	5.2	8.2
			-100	25	8	67	1.6	1.0	4.2	6.3
			-200				1.5			
E592	V4 2	E 2072	0-110	21	13	66	1.4	1.1	9.5	14.4
			-170	23	13	64	2.9	1.9	9.4	14.7
			-200				3.2			
E593	V4 2	E 2075	0-80	21	13	66	0.5	0.4	6.2	9.4
			-170	23	10	67	1.6	1.0	8.1	12.1
			-200				1.7			
E594	V4 2	E 2078	0-80	21	13	66	1.2	0.9	8.9	13.4
			-160	25	12	63	2.2	1.8	8.6	13.6
			-200				2.4			
E595	V4 2	E 2081	0-100	21	11	68	1.8	1.5	8.8	13.0
			-150	20	11	69	2.4	1.7	8.3	12.0
			-180				2.2			
E596	V4 2	E 2084	0-50	21	16	63	0.6	0.4	6.3	10.1
			-100	25	11	64	1.5	1.2	6.2	9.7
			-200				2.2			
E597	V4 2	E 2087	0-50	21	11	68	1.5	1.0	8.2	12.0
			-100	24	9	67	2.4	1.5	7.2	10.8
			-200				2.1			
E598	V4 2	E 2090	0-50	23	14	63	1.0	0.8	6.9	10.9
			-100	24	9	67	2.6	1.7	6.6	9.8
			-200				2.4			
E599	V4 2	E 2093	0-50	18	16	66	0.5	0.4	7.3	11.0
			-100	20	13	67	1.5	0.8	6.2	9.3
			-200				2.2			
E600	V4 2	E 2096	0-100	18	14	68	1.3	1.0	8.6	12.6
			-200	21	10	69	2.5	1.7	8.7	12.6
			-300				3.5			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exh. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
E601	V4 2	E 2099	0-50	21	16	63	0.4	0.3	6.5	12.7	
			-100	26	12	62	1.5	1.0	7.7	12.4	
			-200				2.3				
E602	V4 2	E 2102	0-80	21	13	66	1.5	1.1	8.7	13.2	
			-160	19	9	72	3.0	2.1	9.2	12.8	
			-200				4.8				
E603	V4 2	E 2105	0-50	23	11	66	0.7	0.5	7.4	11.2	
			-100	26	7	67	3.1	2.1	8.3	12.4	
			-200				3.0				
E604	V4 2	E 2108	0-50	23	14	63	0.7	0.5	7.4	11.7	
			-100	24	9	67	1.8	1.2	7.1	10.6	
			-200				1.6				
E605	V4 2	E 2111	0-50	21	13	66	0.5	0.3	6.6	10.1	
			-100	21	12	67	2.1	1.3	7.4	11.0	
			-200				2.4				
E606	V4 2	E 2114	0-50	21	16	63	0.5	0.3	5.1	8.1	
			-100	24	9	67	1.6	1.2	6.6	9.8	
			-200				1.8				
E607	V4 2	E 2117	0-50	21	16	63	2.0	1.5	9.0	14.3	
			-100	19	12	69	0.5	0.3	3.2	4.6	
			-200				2.0				
E608	V4 2	E 2120	0-60	21	11	68	0.5	0.3	6.6	9.7	
			-120	22	11	67	2.2	1.2	7.4	11.0	
			-200				2.9				
E609	V4 2	E 2123	0-50	21	16	63	0.9	0.6	8.1	12.9	
			-100	21	10	69	2.4	1.4	7.7	11.1	
			-200				2.2				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100 g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay <0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
E701	NV4	6a	E 2141	0-100	22	9	69	3.2	3.8	22.6	32.7
			2142	-200				1.8			
			2143	-260				1.4			
			2144	-300				1.8			
E702	NV3	6a	E 2145	0-60	27	7	66	7.0	7.2	16.1	24.4
			2146	-140				2.4			
			2147	-200				2.1			
E703	NV4	6a	E 2148	0-50	32	12	56	1.2	0.9	11.5	20.5
			2149	-160				1.4			
			2150	-200				1.1			
E704	NV3	6as	E 2151	0-60	27	12	61	6.5	5.6	12.5	20.5
			2152	-120				3.5			
			2153	-200				7.5			
E705	NV4	6a	E 2154	0-120	34	7	59	3.8	3.1	12.4	21.0
			2155	-170				7.0			
			2156	-200				6.7			
E706	NV4	4a	E 2157	0-40	27	12	61	0.6	0.5	10.6	17.4
			2158	-90	23	13	64	7.0			
			2159	-200				5.2			
E707	NV4	6a	E 2160	0-50	29	10	61	2.6	2.6	18.3	30.0
			2161	-100				2.0			
			2162	-200				1.8			
E708	NV4	6a	E 2163	0-35	34	12	54	4.2	3.8	10.7	19.8
			2164	-100	14	16	70	2.4			
			2165	-180				8.0			
E709	NV3	4a	E 2166	0-100	22	14	64	5.7	5.5	11.9	18.6
			2167	-140	19	14	67	4.0			
			2168	-200				7.5			
E710	NV3	4a	E 2169	0-50	34	10	56	4.4	3.7	11.4	20.3
			2170	-100				3.9			
			2171	-200				6.9			
E711	NV4	4a	E 2172	0-40	29	10	61	0.7	0.5	9.9	16.2
			2173	-140	14	13	73	7.0			
			2174	-200				5.7			
E712	NV3	4a	E 2175	0-50	27	17	56	5.0	4.0	11.1	19.8
			2176	-110	21	12	67	8.0			
			2177	-200				7.0			

TABLE NO. 3.3

Pit No.	Soil Class Land Class	Sample No.	Depth cms	Mechanical Analysis			F.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na Meq. per 100 g	E.S.P.
				Sand 2.0-0.02	Silt 0.02-0.002mm	Clay < 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9
E713	NV4 4a	E 2178	0-50	29	12	59	3.2	2.2	11.5	19.5
		2179	-100	16	12	72	5.2	5.8	14.6	20.2
		2180	-200				7.0			
E714	NV4 4a	E 2181	0-60	32	9	59	1.8	1.3	11.6	19.6
		2182	-160	16	9	75	8.0	6.4	13.4	17.8
		2183	-200				7.0			
E715	V4 3a	E 2184	0-50	34	2	64	3.0	1.9	9.2	14.3
		2185	-100	19	13	68	7.0	6.2	15.2	22.3
		2186	-200				6.9			
E716	NV4 4a	E 2187	0-50	39	10	51	2.8	1.9	10.1	19.8
		2188	-100	16	14	70	3.3	3.5	14.6	20.8
		2189	-200				3.6			
E717	NV4 4a	E 2190	0-60	32	9	59	2.2	1.5	11.3	19.2
		2191	-130	21	11	68	4.7	3.7	15.4	22.6
		2192	-200				3.3			
E718	NV4 4a	E 2193	0-50	32	9	59	2.0	1.4	10.6	17.9
		2194	-120	19	13	69	6.2	5.8	14.6	21.4
		2195	-200				3.8			
E719	NV3 4a	E 2196	0-60	39	7	54	5.0	4.4	10.0	18.5
		2197	-120	19	13	68	6.5	5.3	15.1	22.2
		2198	-200				4.4			
E720	NV3 4a	E 2199	0-60	34	10	56	6.1	5.3	10.2	18.2
		2200	-120	21	13	66	8.3	7.3	12.7	19.2
		2201	-200				8.5			
E721	NV4 4a	E 2202	0-55	27	9	64	0.7	1.0	10.0	15.6
		2203	-100	26	10	64	6.1	5.8	16.0	25.0
		2204	-200				7.8			
E722	NV3 6a	E 2205	0-50	37	4	59	5.0	4.8	12.1	20.5
		2206	-100	21	17	62	3.9	5.3	16.5	26.6
		2207	-200				3.0			
E723	V4 3a	E 2208	0-50	39	2	59	1.7	1.3	8.2	13.9
		2209	-100	20	15	65	6.5	5.4	13.3	20.4
		2210	-200				8.0			
E724	NV4 4a	E 2211	0-60	37	4	59	3.6	3.2	10.4	17.6
		2212	-120	18	14	68	6.8	5.3	14.3	21.0
		2213	-200				3.7			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100 g	Exch. Na. meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002 mm	Clay <0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
E725	NV4 6a	E 2214	0-50	41	10	49	1.7	1.5	10.3	21.0	
		2215	-100			5.4					
		2216	-200			6.5					
E726	NV4 4a	E 2217	0-50	29	13	58	3.5	2.9	11.4	19.6	
		2218	-100	24	11	65	5.3				
		2219	-200			5.7					
E727	NV4 4a	E 2220	0-50	34	10	56	3.0	3.0	10.9	19.4	
		2221	-110	19	13	68	8.0				
		2222	-200			7.8					
E728	NV4 4a	E 2223	0-60	32	10	58	4.2	3.9	11.4	19.6	
		2224	-150	21	14	65	5.0				
		2225	-200			3.7					
E729	NV3 4a	E 2226	0-60	24	15	61	5.7	4.7	10.6	17.3	
		2227	-140	14	14	72	6.5				
		2228	-200			7.8					
E730	NV4 6a	E 2229	0-60	24	18	58	1.8	1.6	13.7	23.6	
		2230	-130			7.5					
		2231	-200			6.8					
E731	NV4 6a	E 2232	0-60	37	4	59	3.0	2.5	12.4	21.1	
		2233	-100			4.5					
		2234	-200			5.8					
E732	NV4 4a	E 2235	0-60	34	8	58	0.9	0.8	9.3	16.0	
		2236	-140	14	16	70	3.9				
		2237	-200			5.4					
E733	V3 3a	E 2238	0-50	34	8	58	4.6	4.4	8.5	14.6	
		2239	-110	9	16	75	6.5				
		2240	-200			6.8					
E734	NV4 4a	E 2241	0-60	27	10	63	2.6	2.3	12.4	19.7	
		2242	-120	19	13	68	6.2				
		2243	-200			7.2					
E735	NV2 6a	E 2244	0-50	42	12	46	2.7	2.1	13.6	29.6	
		2245	-100			2.4					
		2246	-200			1.9					
E736	NV3 6a	E 2247	0-60	32	12	56	5.0	5.2	10.4	18.5	
		2248	-110	16	12	72	6.2				
		2249	-200			6.0					

TABLE NO. 3.3

Pit No.	Soil Class Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na. meq. per 100 g	E.S.P.
				Sand 2.0-0.02	Silt 0.02-0.002 mm	Clay <0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9
E737 A	NV1 6a	E 2250	0-60	44	10	46	7.5	6.9	11.2	24.3
		2251	-130				6.0			
		2252					4.2			
E738	NV4 4a	E 2253	0-50	34	7	59	2.4	1.7	9.1	15.4
		2254	-100	26	12	62	6.0	4.6	14.5	23.3
		2255	-200				8.0			
E734 B	NV3 6a	E 2256	0-60	34	10	56	4.5	4.8	9.8	17.5
		2257	-100	24	11	65	3.4	2.0	19.0	29.2
		2258	-200				3.2			
E735 B	NV4 4a	E 2259	0-50	24	18	58	1.8	1.6	10.1	17.5
		2260	-100	16	14	70	6.7	4.7	13.6	19.4
		2261	-200				7.2			
E736 B	NV3 6as	E 2262	0-60	34	15	51	6.0	5.5	8.4	16.4
		2263	-120	16	14	70	9.0	7.8	22.6	32.2
		2264	-200				5.7			
E737 B	NV4 4a	E 2265	0-50	27	10	63	1.8	1.5	11.8	18.8
		2266	-100	14	14	72	5.5	4.1	16.5	22.9
		2267	-200				7.0			
E738 B	NV4 6a	E 2268	0-50	24	15	61	2.3	2.0	12.3	20.1
		2269	-100				6.8			
		2270	-200				7.7			
E739	V4 3a	E 2271	0-50	27	12	61	1.3	1.0	8.4	13.7
		2272	-100	14	16	70	5.0	3.2	14.0	20.0
		2273	-200				6.2			
		2274	-200				3.7			
E740	NV4 6a	E 2275	0-50	29	12	59	3.6	2.9	12.1	20.5
		2276	-100				4.5			
		2277	-200				7.0			
E741	NV4 6a	E 2278	0-50	37	9	54	3.7	2.9	10.7	19.8
		2279	-100	21	13	66	4.0	3.1	16.9	25.6
		2280	-200				7.5			
E742	NV4 6a	E 2281	0-60	37	7	56	4.0	4.0	12.4	22.1
		2282	-130				4.7			
		2283	-200							
E743	NV4 4a	E 2284	0-60	29	10	61	3.0	2.2	11.0	18.0
		2285	-140	16	14	70	6.0	4.8	14.8	21.1
		2286	-200				7.2			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Aol.Na meq. per 100 g	Exch. Na. meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002 mm	Clay <0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
E744	V4	3a	E 2287	0-50	27	12	61	1.1	0.8	8.3	13.7
			2288	-100	16	12	72	4.4	3.1	11.7	16.6
			2289	-200				6.3			
E745	V3	3s	E 2290	0-100	29	10	61	5.5	4.8	9.1	14.9
			2291	-160	19	9	72	6.2	4.9	13.8	19.1
			2292	-200				8.2			
E746	NV3	4a	E 2300	0-60	24	10	66	5.0	5.0	13.4	20.3
			2301	-150				6.0			
			2302	-200				7.0			
E747	V4	2	E 2303	0-60	27	10	63	0.9	0.5	9.6	15.2
			2304	-100	11	14	75	2.6	2.2	9.8	13.0
			2305	-200				1.5			
E748	NV4	4a	E 2306	0-60	19	13	68	1.9	1.5	13.7	20.2
			2307	-130				4.6			
			2308	-200				6.6			
E749	V4	2	E 2309	0-50	34	12	54	0.9	0.6	6.8	12.7
			2310	-100	19	13	68	4.0	2.5	7.4	10.8
			2311	-200				2.1			
E750	V4	2	E 2312	0-60	27	10	63	1.6	1.4	9.8	15.4
			2313	-120	14	16	70	2.8	2.6	10.5	15.0
			2314	-200				4.2			
E751	NV3	4a	E 2315	0-60	19	10	71	4.9	4.7	12.2	17.1
			2316	-170	16	9	75	7.0	8.2	16.4	21.8
			2317	-200				3.9			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Ma meq. per 100g	Exch. Na. meq. per 100 g	E.S.P.
				Depth cms	Sand 2.0-0.02	Silt 0.02-0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9
L404	NV4 6a	L 4010	0-60	29	13	58	1.6	1.5	13.5	23.2
		4011	-85	27	9	64	5.2	4.4	16.8	26.2
		4012	-160				6.2			
L405	NV4 6a.	L 4013	0-60	29	11	60	0.8	0.7	10.3	17.1
		4014	-110	24	15	61	7.1	5.2	24.0	39.4
		4015	-160				4.5			
L406	NV4 3a	L 4016	0-85	26	11	63	0.7	0.6	9.6	15.2
		4017	-110	19	12	69	7.0	6.4	15.4	22.4
		4018	-135				7.2			
L407	NV4 4a	L 4019	0-60	26	9	65	1.1	0.8	11.5	17.8
		4020	-110	21	15	64	7.5	6.6	15.2	23.8
		4021	-135				7.0			
L408	NV4 4a	L 4022	0-35	24	11	65	1.1	1.0	13.0	20.0
		4023	-120	23	16	61	6.5	5.4	14.6	24.0
		4024	-200				7.0			
L409	NV4 4a	L 4025	0-65	31	9	60	0.8	0.7	13.1	20.0
		4026	-115	27	14	59	7.0	6.1	12.2	21.0
		4027	-140				4.2			
L413	V4 3a	L 4037	0-35	24	11	65	0.7	0.5	7.9	12.1
		4038	-85	24	12	64	1.6	1.4	11.7	18.3
		4039	-135				3.8			
L414	V4 2	L 4040	0-35	21	14	65	0.6	0.3	5.5	8.5
		4041	-85	19	12	69	2.7	2.7	7.9	11.4
		4042	-110				4.5			
L415	V4 3a	L 4043	0-60	21	11	68	0.6	0.4	8.9	13.2
		4044	-85	21	13	66	2.5	2.2	11.7	17.8
		4045	-135				4.2			
L416	NV4 4a	L 4046	0-60	19	11	70	0.9	0.6	10.7	15.3
		4047	-85	29	20	51	2.3	2.5	12.7	24.9
		4048	-110				2.4			
L417	NV4 4a	L 4049	0-85	15	12	73	3.0	2.1	11.6	15.9
		4050	-160	29	10	61	3.6	3.2	13.3	21.8
		4051	-200				2.8			
L418	NV4 4a	L 4052	0-60	24	13	63	1.7	1.2	10.5	16.6
		4053	-110	29	12	59	7.0	5.4	13.7	23.2
		4054	-135				6.5			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
				Depth cms	Sand 2.0-0.02	Silt 0.02-0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9
L419	NV4 6a	L 4055	0-60	26	11	63	1.2	1.0	14.0	22.2
		4056	-85	22	14	64	6.5	6.0	14.0	21.9
		4057	-135				7.5			
L420	NV4 6a	L 4058	0-85	26	11	63	1.6	1.1	13.2	20.9
		4059	-135	24	12	64	4.7	4.4	16.0	25.0
		4060	-160				4.0			
L421	NV4 6a	L 4061	0-60	24	13	63	0.8	0.6	13.2	20.9
		4062	-85	24	15	61	6.8	5.3	16.9	27.7
		4063	-110				9.0			
L422	NV4 4a	L 4064	0-60	26	11	63	1.7	1.3	11.0	17.5
		4065	-85	29	12	59	0.6	1.8	10.4	17.6
		4066	-110				6.5			
L423	NV4 4a	L 4067	0-60	28	11	61	1.1	0.8	10.4	17.0
		4068	-85	26	13	61	7.8	5.9	13.2	21.7
		4069	-160				7.2			
L424	NV4 6a	L 4070	0-60	26	14	60	1.1	0.8	11.3	18.9
		4071	-85	22	14	64	5.5	4.6	18.0	28.1
		4072	-135				6.0			
L425	NV4 6a	L 4073	0-60	31	6	63	0.7	0.6	13.9	22.1
		4074	-85	29	12	59	5.5	4.8	15.8	26.8
		4075	-135				7.5			
L426	NV4 6a	L 4076	0-35	31	11	58	0.6	0.5	11.3	19.6
		4077	-85	29	12	59	1.7	0.9	15.6	26.4
		4078	-135				6.1			
L427	NV4 6a	L 4079	0-60	31	11	58	0.9	0.6	12.4	21.3
		4080	-110	27	14	59	4.8	3.8	17.4	29.5
		4081	-135				4.1			
L428	NV4 4a	L 4082	0-60	31	14	55	0.7	0.6	10.4	18.9
		4083	-110	31	13	56	7.0	6.0	12.7	22.7
		4084	-135				5.4			
L429	NV4 3a	L 4085	0-60	29	13	58	0.6	0.5	8.7	15.0
		4086	-85	27	14	59	4.0	3.5	11.3	19.2
		4087	-135							
L430	NV4 6a	L 4088	0-85	24	11	65	3.0	2.4	14.2	21.8
		4089	-135	24	15	61	6.5	5.5	16.3	26.8
		4090	-160				4.0			

TABLE NO. 3.3

Pit No.	Soil Class Land Class	Sample No.	Mechanical Analysis			F.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.	
			Depth cms	Sand 2.0-0.02	Silt 0.02-0.002 mm					Clay ∇ 0.002 mm
1	2	3	4	5a	5b	5c	6	7	8	9
L443	NV4 4a	L 4127	0-35	24	11	65	0.7	0.4	11.0	17.0
		4128	-85	23	16	61	1.2	1.1	13.7	22.4
		4129	-135				8.0			
L444	NV4 6as	L 4130	0-60	34	8	58	0.8	0.6	9.1	15.6
		4131	-110	29	15	56	8.6	6.3	14.9	26.6
		4132	-135				7.5			
L445	V4 3a	L 4133	0-60	29	11	60	1.0	0.7	7.7	12.9
		4134	-110	27	12	61	6.0	3.6	11.6	19.0
		4135	-160				7.3			
L446	V4 3a	L 4136	0-60	24	13	63	0.7	0.5	8.1	12.9
		4137	-110	22	12	64	3.3	2.0	11.9	18.6
		4138	-160				6.2			
L447	V4 2	L 4139	0-85	21	14	65	1.9	1.2	9.3	14.4
		4140	-160	22	14	64	6.5	5.0	11.1	17.3
		4141	-200				6.9			
L448	V4 2	L 4142	0-60	24	16	60	0.7	0.4	5.7	9.0
		4143	-135	24	12	64	5.6	3.6	9.5	14.8
		4144	-160				5.8			
L449	V4 3a	L 4145	0-60	26	11	63	0.5	0.3	6.9	11.0
		4146	-110	24	15	61	2.7	2.2	11.3	18.5
		4147	-135				4.7			
L450	V4 2	L 4148	0-35	31	11	58	0.4	0.3	4.6	7.9
		4149	-85	27	12	61	0.8	0.5	8.2	13.5
		4150	-160				5.3			
L451	NV4 4a	L 4151	0-60	29	11	60	0.7	0.5	10.3	17.1
		4152	-85	24	15	61	5.3	3.8	13.4	22.0
		4153	-135				7.4			
L452	NV4 4a	L 4154	0-60	29	11	60	0.9	0.7	11.8	19.7
		4155	-85	27	14	59	3.6	2.9	13.2	22.4
		4156	-135				5.0			
L453	NV4 6a	L 4157	0-60	31	9	60	0.6	0.5	12.8	21.4
		4158	-110	24	12	64	4.0	3.7	15.9	23.8
		4159	-160				6.5			
L454	NV4 4a	L 4160	0-60	26	9	65	0.6	0.7	11.1	17.1
		4161	-135	24	15	61	4.3	3.7	13.5	22.2
		4162	-200				6.5			

Top 38

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100 g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002 mm	Clay V 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
L431	NV4 4a	L 4091	0-85	26	14	60	1.7	1.2	11.0	18.3	
		4092	-135	27	12	61	6.2	5.3	14.4	23.6	
		4093	-160				6.2				
L432	NV4 4a	L 4094	0-60	26	11	63	0.7	0.6	11.3	18.0	
		4095	-135	27	12	61	6.2	5.7	13.0	21.3	
		4096	-160				4.5				
L433	V4 2	L 4097	0-85	31	11	58	0.6	0.4	6.9	11.9	
		4098	-135	32	9	59	2.6	2.0	8.4	14.2	
		4099	-160				4.0				
L434	NV4 4a	L 4100	0-85	24	13	63	1.0	0.7	9.8	15.5	
		4101	-110	24	12	64	5.5	4.8	11.7	18.3	
		4102	-160				5.6				
L435	V4 2	L 4103	0-85	24	13	63	2.7	1.8	8.2	13.0	
		4104	-110	22	14	64	4.7	4.4	11.3	17.7	
		4105	-160				4.2				
L436	V4 2	L 4106	0-85	24	11	65	0.7	0.5	8.9	13.7	
		4107	-110	22	15	63	5.2	4.1	13.3	21.1	
		4108	-160				5.5				
L437	NV4 4a	L 4109	0-60	29	13	58	0.6	0.4	9.7	16.7	
		4110	-85	29	15	56	3.3	2.9	13.2	23.6	
		4111	-135				6.5				
L438	V4 3a	L 4112	0-35	29	16	55	0.4	0.3	5.8	10.5	
		4113	-85	29	12	59	0.9	0.9	11.3	19.2	
		4114	-135				4.5				
L439	V4 3a	L 4115	0-60	26	11	63	0.5	0.3	9.0	14.4	
		4116	-110	26	13	61	0.9	0.7	10.9	17.8	
		4117	-185				6.0				
L440	V4 2	L 4118	0-85	24	16	60	0.5	0.4	6.0	10.0	
		4119	-110	26	5	59	3.8				
		4120	-185				4.9				
L441	V4 2	L 4121	0-85	29	11	60	0.5	0.3	8.6	14.3	
		4122	-135	27	14	59	5.0	3.7	15.0	25.4	
		4123	-160				4.7				
L442	V4 3a	L 4124	0-60	29	11	60	0.6	0.4	7.9	13.1	
		4125	-110	27	12	61	1.0	0.7	11.5	18.8	
		4126	-135				5.5				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100 g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002 mm	Clay 0.002 mm V				
1	2		3	4	5a	5b	5c	6	7	8	9
L455	V4	3as	L 4163	0-60	24	13	63	0.7	0.5	8.6	13.7
			4164	-135	22	14	64	7.0	5.8	12.0	18.8
			4165	-175				6.8			
L456	NV4	4a	L 4166	0-60	21	11	68	0.7	0.6	11.6	17.1
			4167	-135	27	12	61	6.6	5.1	12.7	20.8
			4168	-160				4.8			
L457	NV4	4a	L 4169	0-60	20	14	66	0.7	0.6	11.9	18.0
			4170	-135	24	12	64	4.0	3.1	12.6	19.7
			4171	-160				3.6			
L458	NV4	4a	L 4172	0-85	23	11	66	2.0	2.1	12.9	19.5
			4173	-110	22	12	66	5.0	3.7	12.4	18.8
			4174	-160				4.6			
L459	NV3	4a	L 4175	0-85	25	14	61	4.6	4.3	11.6	19.1
			4176	-135	22	12	66	4.2	3.3	13.2	20.0
			4177	-160				3.0			
L460	V4	2	L 4178	0-85	23	11	66	0.4	0.4	6.6	10.0
			4179	-135	21	12	66	1.7	1.8	10.4	15.8
			4180	-160				6.0			
L461	V4	3a	L 4181	0-35	28	14	58	0.6	0.5	7.6	13.2
			4182	-85	27	12	61	3.4	1.9	10.3	16.9
			4183	-135				5.8			
L462	V4	3a	L 4184	0-60	25	14	61	0.5	0.4	8.1	13.3
			4185	-110	28	13	59	1.8	1.2	11.9	20.2
			4186	-160				4.6			
L463	NV4	4a	L 4187	0-60	28	11	61	0.5	0.4	9.7	15.9
			4188	-135	24	12	64	2.8	1.9	10.2	15.9
			4189	-160				4.6			
L464	V4	2	L 4190	0-85	25	14	61	0.4	0.3	5.2	8.6
			4191	-135	27	12	61	3.0	2.1	11.8	19.4
			4192	-160				4.9			
L465	NV4	4a	L 4193	0-60	40	4	56	0.6	0.4	9.0	16.1
			4194	-110	27	14	59	6.4	5.7	12.1	20.3
			4195	-135				7.2			
L466	NV4	6a	L 4196	0-60	25	12	63	1.9	1.6	15.4	24.4
			4197	-110	24	15	61	7.1	6.1	13.5	22.2
			4198	-160				6.0			

TABLE NO. 3.3.

Pit No.	Soil Class Land Class	Sample No.	Depth cms	Mechanical Analysis				E.C. mmhos/cm at 25°C	Sol. Na meq. per 100 g	Exch. Na meq. per 100 g	E.S.P.
				Sand 2.0-0.02	Silt 0.02-0.002 mm	Clay 0.002 mm	V				
1	2	3	4	5a	5b	5c	6	7	8	9	
L467	NV4 6a	L 4199	0-60	33	11	56	0.6	0.5	13.1	23.3	
		4200	-135	27	12	61	6.0	5.0	16.2	26.6	
		4201	-175				7.0				
L468	NV4 4a	L 4202	0-60	33	11	56	0.6	0.4	10.1	18.1	
		4203	-110	29	12	59	7.0	4.7	13.6	23.0	
		4204	-170				4.9				
L469	V4 3as	L 4205	0-60	35	12	53	0.8	0.5	7.0	13.3	
		4206	-135	34	13	53	7.0	5.1	12.7	24.0	
		4207	-160				7.9				
L470	NV4 6a	L 4208	0-35	28	11	61	0.9	1.9	13.1	21.5	
		4209	-110	24	15	61	2.2	3.3	13.2	21.6	
		4210	-135				4.8				
L471	NV4 6a	L 4211	0-85	23	11	66	1.0	5.8	14.0	21.2	
		4212	-135				5.5	5.2	12.0		
		4213	-160				6.7				
L472	NV4 6a	L 4214	0-85	25	14	61	0.6	6.3	14.5	23.8	
		4215	-135	21	15	64	6.8	4.7	13.6	21.3	
		4216	-160				5.2				
L473	NV4 6a	L 4217	0-85	25	9	66	1.6	4.0	13.8	20.9	
		4218	-135	26	13	61	4.5	4.3	11.4	18.7	
		4219	-160				5.9				
L474	NV4 6a	L 4220	0-60	23	11	66	0.5	7.0	13.8	20.9	
		4221	-135	26	13	61	8.3	5.3	11.9	19.5	
		4222	-160				8.0				
L475	NV4 4a	L 4223	0-85	20	14	66	0.6	4.6	11.0	16.6	
		4224	-135	24	12	64	4.9				
		4225	-160				5.8				
L476	NV4 4a	L 4226	0-85	20	14	66	1.0	4.7	11.8	17.8	
		4227	-135	21	15	64	5.0	3.5			
		4228	-160				4.1				
L477	NV4 4a	L 4229	0-85	20	14	66	0.6	2.9	13.4	20.3	
		4230	-135	21	13	66	3.5	2.2	12.2	18.5	
		4231	-160				3.0				
L478	NV4 4a	L 4232	0-85	20	14	66	0.6	3.3	11.2	16.9	
		4233	-135	21	15	64	4.5	2.6	10.9	17.0	
		4234	-180				3.5				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100 g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay ∇ 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
L479	V4	2	L 4235	0-85	23	14	63	0.7	2.2	6.5	10.3
			4236	-135	25	11	64	2.8	4.0	9.9	15.5
			4237	-160				4.5			
L480	V4	2	L 4238	0-110	23	11	66	0.5	3.3	9.0	13.6
			4239	-160	24	12	64	2.8	2.1		
			4240	-180				3.0			
L481	NV4	4a	L 4241	0-35	28	6	66	0.6	1.0	11.8	17.9
			4242	-135	26	10	64	1.8	2.4	8.9	13.9
			4243	-200				3.6			
L482	NV4	4a	L 4244	0-85	20	19	61	0.4	4.1	10.0	16.5
			4245	-160				5.4	2.0		
			4246	-185				4.0			
L483	NV4	4a	L 4287	0-85	30	9	61	0.7	1.9	10.5	17.3
			4288	-160	26	10	64	2.7			
			4289	-200				3.6			
L484	NV4	4a	L 4250	0-85	25	14	61	4.3	2.9	10.2	16.8
			4251	-135	31	15	54	4.5	0.7	7.6	14.1
			4252	-180				1.0			
L485	NV4	4a	L 4253	0-65	30	14	56	0.7	0.6	8.9	15.9
			4254	-135	31	13	56	6.7	5.2	11.3	20.2
			4255	-160				7.0			
L486	NV4	4a	L 4256	0-60	28	11	61	0.6	4.5	12.5	20.5
			4257	-135	26	15	59	4.9	3.8	10.6	18.0
			4258	-200				5.2			
L487	NV4	4a	L 4259	0-35	35	9	56	0.6	5.2	11.0	19.7
			4260	-85	31	15	54	4.8	4.9	11.6	21.5
			4261	-160				6.5			
L488	V4	2	L 4262	0-85	23	16	61	1.4	3.4	8.4	13.7
			4263	-200	26	25	49	4.5	0.8	5.3	10.8
L489	NV4	6a	L 4264	0-60	30	12	58	2.5	2.0	13.1	22.6
			4265	-110	19	17	64	5.0	2.9	13.6	21.2
			4266	-160				5.3			
L490	NV4	4a	L 4267	0-60	33	6	61	0.6	0.5	12.2	20.0
			4268	-135	21	13	66	4.5	3.7	15.9	24.1
			4269	-160				3.5			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			F.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
L491	NV4	6a	L 4270	0-85	28	16	56	7.0	7.4	15.8	28.2
			4271	-160	19	24	57	1.9	1.9	21.7	38.0
			4272	-200				1.3			
L492	NV4	6a	L 4273	0-85	23	11	66	0.9	0.8	14.5	22.1
			4274	-135	24	12	64	4.5	2.4	17.2	26.9
			4275	-160				3.6			
L493	NV4	4a	L 4276	0-85	23	9	68	0.6	0.5	11.5	16.9
			4277	-185	24	12	64	4.4	2.6	13.1	20.5
			4278	-200							
L494	NV4	3a	L 4279	0-110	23	9	68	1.0	0.8	10.6	15.6
			4280	-135	24	11	65	3.0	2.3	9.0	14.1
			4281	-185				3.0			
L495	V4	2	L 4282	0-85	20	14	66	0.5	0.5	6.7	10.2
			4283	-135	23	10	67	2.8	2.0	10.2	15.2
			4284	-200				3.8			
L496	V4	2	L 4285	0-60	23	14	63	0.5	0.4	7.5	11.9
			4286	-135	24	12	64	2.5	1.4	9.9	15.5
			4287	-185				3.4			
L497	V4	2	L 4288	0-35	23	11	66	0.5	0.3	5.7	8.7
			4289	-110	26	12	62	1.1	0.7	6.3	10.2
			4290	-160				2.6			
L498	V4	2	L 4291	0-85	23	11	66	0.5	0.3	7.6	11.6
			4292	-135	24	12	64	2.8	2.4	7.2	11.3
			4293	-185				2.4			
L499	NV2	6a	L 4294	0-60	45	14	41	0.6	0.4	10.2	24.8
			4295	-110	24	8	68	4.0	3.0	12.7	18.7
			4296	-160				3.5			
L500	NV4	4a	L 4297	0-60	28	11	61	1.5	1.0	12.4	20.3
			4298	-110	24	12	64	4.5	4.0	13.8	21.6
			4299	-160				5.0			
L501	NV4	6a	L 4300	0-60	28	14	58	1.3	0.9	12.2	21.1
			4301	-110	26	12	62	5.0	3.3	14.1	22.8
			4302	-135				5.8			
L502	NV4	4a	L 4303	0-60	28	14	58	2.6	1.9	11.2	19.4
			4304	-110	26	13	61	4.8	3.2	12.5	20.5
			4305	-135				3.4			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
L503	V4	3a	L 4306	0-60	25	11	64	0.6	0.5	8.1	12.7
			4307	-85	29	11	60	4.9	3.0	10.1	16.9
			4308	-160				4.5			
L504	V4	2	L 4309	0-60	25	11	64	0.4	0.3	8.8	13.6
			4310	-135	24	12	64	5.2	4.2	9.7	15.2
			4311	-185				3.8			
L505	NV4	4a	L 4312	0-85	25	8	67	0.6	0.5	12.4	18.5
			4313	-135	24	12	64	2.0	1.2	17.5	27.4
			4314	-200				3.2			
L506	V4	2	L 4315	0-85	35	3	62	0.5	0.4	8.6	13.9
			4316	-135	24	12	64	3.4	2.4	11.5	18.0
			4117	-160				3.1			
L507	V4	2	L 4318	0-85	25	3	62	0.5	0.4	9.5	15.3
			4319	-160	24	12	64	4.5	3.4	9.2	14.4
			4320	-200				5.0			
L508	V4	2	L 4321	0-85	25	11	64	0.6	0.4	8.2	12.9
			4322	-135	26	13	61	5.0	4.8	12.1	19.8
			4323	-200				4.5			
L509	NV4	2	L 4324	0-110	30	11	59	1.6	1.2	9.2	15.6
			4325	-160	29	10	61	3.3	2.8	7.2	11.8
			4326	-200				4.1			
L510	V4	2	L 4327	0-110	22	14	64	0.4	0.3	6.4	10.0
			4328	-160	26	12	62	4.0	3.1	8.6	13.9
			4329	-200				4.5			
L511	V4	2	L 4330	0-85	27	14	59	0.7	0.5	5.9	10.0
			4331	-110	26	12	62	5.2	4.6	6.3	10.2
			4332	-185				6.2			
L512	V4	2	L 4333	0-85	22	16	62	0.5	0.4	7.6	12.3
			4334	-135	26	12	62	5.0	3.8	10.1	16.3
			4335	-160				5.2			
L513	V4	2	L 4336	0-85	25	11	64	0.5	0.3	9.3	14.6
			4337	-110	31	7	62	3.8	3.3	7.0	11.3
			4338	-160				4.2			
L514	V4	2	L 4339	0-60	27	11	62	0.4	0.3	5.4	8.7
			4340	-110	26	12	62	1.1	0.8	9.2	14.8
			4341	-185				3.3			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100 g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay ∇ 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
L515	V4	2	L 4342	0-60	27	11	62	0.4	0.3	6.0	9.6
			4343	-135	26	15	59	1.1	1.0	8.1	13.8
			4344	-200				2.7			
L516	V4	2	L 4345	0-60	25	11	64	0.5	0.3	6.8	10.6
			4346	-135	26	12	62	3.6	2.0	8.4	13.6
			4347	-200				3.6			
L517	V4	2	L 4348	0-110	25	13	62	0.6	0.4	7.8	12.6
			4349	-160	26	11	63	5.1	3.6	7.1	11.3
			4350	-200				3.6			
L518	V4	2	L 4351	0-110	25	11	64	0.5	0.3	6.1	9.5
			4352	-160	24	12	64	4.3	3.0	8.7	13.6
			4353	-185				4.2			
L519	V4	2	L 4354	0-110	22	14	64	0.6	0.4	9.3	14.5
			4355	-185	34	10	56	4.5	3.0	6.7	15.5
L520	V4	2	L 4356	0-85	22	16	62	0.6	0.3	6.9	11.2
			4357	-135	28	11	61	5.2	3.3	8.0	13.1
			4358	-185				5.0			
L521	V4	2	L 4359	0-110	27	14	59	0.4	0.3	5.4	9.1
			4360	-185	26	13	61	4.8	3.5	9.1	14.9
L522	V4	2	L 4361	0-110	22	14	64	1.0	0.7	10.0	15.7
			4362	-160	25	11	64	3.5	2.7	9.5	14.8
			4363	-200				4.0			
L523	V4	2	L 4364	0-110	25	11	64	0.6	0.4	8.6	13.4
			4365	-185	23	13	64	2.1	1.3	10.0	15.6
L524	V4	2	L 4366	0-135	25	13	62	1.1	0.7	9.3	15.1
			4367	-160	34	8	58	3.0	2.0	8.7	15.0
			4368	-200				3.6			
L525	NV4	4a	L 4369	0-110	20	16	64	1.6	1.0	11.9	18.6
			4370	-160	21	15	64	4.6	3.3	10.6	16.6
			4371	-200				6.2			
L526	NV4	4a	L 4372	0-85	17	21	62	0.7	0.5	10.3	16.6
			4373	-160	24	12	64	5.0	3.3	11.1	17.3
			4374	-185				4.2			
L527	NV4	4a	L 4375	0-85	20	18	62	1.6	1.2	9.8	15.8
			4376	-160	26	10	64	3.4	2.3	9.0	14.1
			4377	-200				4.1			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002 mm				
1	2		3	4	5a	5b	5c	6	7	8	9
L528	V4	2	L 4378	0-85	22	16	62	1.0	0.7	9.4	15.2
			4379	-130	30	11	59	3.0	2.1	9.2	15.6
			4380	-180				3.0			
L529	V4	2	L 4381	0-85	22	16	62	0.5	0.8	9.5	15.4
			4382	-160	24	12	64	3.2	2.4	10.2	15.9
			4383	-200				2.8			
L530	V4	2	L 4384	0-85	22	19	59	0.5	0.7	8.2	13.9
			4385	-100	24	10	66	3.6	2.0	9.3	14.1
L531	V4	3a	L 4386	0-60	22	16	62	0.7	0.7	7.6	12.2
			4387	-110	26	13	61	3.2	2.2	10.0	16.4
			4388	-160				3.5			
L532	NV4	2	L 4389	0-85	22	16	62	1.8	1.8	9.7	15.6
			4390	-135	25	14	61	2.6	1.8	7.8	12.8
			4391	-185				2.8			
L533	V4	2	L 4392	0-85	20	21	59	0.7	0.8	7.9	13.4
			4393	-135	24	14	62	3.2	1.7	7.5	12.1
			4394					3.2			
L534	NV4	2	L 4395	0-110	22	14	64	0.8	0.8	10.5	16.4
			4396	-160	24	12	64	3.8	2.3	7.3	11.4
			4397	-200				4.5			
L535	V4	2	L 4398	0-85	22	16	62	0.7	0.8	9.6	15.4
			4399	-160	24	12	64	5.2	3.9	10.5	16.4
			4400	-200				5.9			
L536	V4	2	L 4401	0-85	32	6	62	2.0	2.3	9.2	14.9
			4402	-160	26	13	61	4.2	2.7	13.8	22.6
			4403	-200				4.5			
L537	V4	2	L 4404	0-85	20	16	64	1.0	1.0	8.8	13.7
			4405	-135	29	10	61	4.5	2.9	11.9	19.5
			4406	-185				4.0			
L538	NV4	4a	L 4407	0-85	22	19	59	1.1	1.2	11.0	18.7
			4408	-160	26	13	61	3.7	2.6	10.0	16.4
			4409	-185				3.2			
L539	NV4	4a	L 4410	0-85	22	14	64	0.6	1.1	11.6	18.1
			4411	-135	26	13	61	3.6	2.3	12.9	21.2
			4412	-180				3.6			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol.Na meq.per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
L540	V4	2	L 4413	0-85	25	16	59	0.5	0.5	8.7	14.7
			4414	-160	24	12	64	3.1	2.6	9.1	14.2
			4415	-200				3.6			
L541	NV4	3a	L 4416	0-110	22	14	64	1.1	1.0	11.5	17.9
			4417	-200	26	10	64	3.6	2.0	9.3	14.5
L542	V4	2	L 4418	0-110	25	13	62	2.1	2.2	9.2	14.9
			4419	-200	24	12	64	3.4	2.3	9.9	15.5
L543	NV4	2	L 4420	0-110	20	13	67	1.1	1.3	10.5	15.6
			4421	-160	23	13	64	3.4	2.5	8.4	13.1
			4422	-200				3.0			
L544	NV4	2	L 4423	0-110	22	16	62	1.2	1.1	9.8	15.9
			4424	-185	24	12	64	5.0	3.4	8.8	13.8
			4425	-200				4.2			
L545	V4	2	L 4426	0-110	22	16	62	1.5	1.3	8.3	13.5
			4427	-160	23	13	64	3.1	2.5	9.2	14.4
			4428	-200				2.7			
L546	V4	2	L 4429	0-110	20	16	64	1.6	1.6	9.5	14.8
			4430	-160	21	13	66	2.2	1.7	11.8	17.9
			4431	-185				2.2			
L547	V4	2	L 4432	0-110	20	16	64	0.8	0.7	8.0	12.5
			4433	-200	24	10	66	1.7	1.3	8.3	12.6
L548	V4	2	L 4434	0-110	20	16	64	0.4	0.3	5.9	6.1
			4435	-160	22	9	69	2.8	2.0	9.3	13.5
			4436	-200				3.2			
L549	V4	2	L 4437	0-145	22	14	64	0.6	0.5	9.2	14.4
			4438	-195	27	10	63	2.6	2.1	9.2	14.6
			4449	-220				3.9			
L550	NV4	2	L 4440	0-110	22	14	64	1.3	1.2	10.1	15.8
			4441	-185	21	13	66	3.8	2.8	10.3	15.6
			4442	-205				3.7			
L551	V4	2	L 4443	0-90	25	13	62	0.5	0.4	5.7	9.3
			4444	-140	26	10	64	3.8	2.5	9.8	15.3
			4445	-200				3.6			
L552	V4	2	L 4446	0-110	20	13	67	1.5	1.2	9.9	14.8
			4447	-185	24	10	66	3.9	2.4	12.4	18.8
			4448	-200				3.6			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis				Sol. Na meq.	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.2	Silt 0.02-0.002mm	Clay 0.002 mm	E.C. mmhos/cm at 25°C			
1	2	3	4	5a	5b	5c	6	7	8	9	
L553	V4	2	L 4449	0-110	24	15	61	0.4	0.3	5.8	9.5
			4450	-170	25	11	64	3.4	2.3	11.6	18.2
			4451	-200				4.2			
L554	V4	2	L 4452	0-85	24	15	61	0.5	0.4	8.3	13.6
			4453	-160	25	11	63	4.5	2.7	13.4	21.2
			4454	-185				5.2			
L555	V4	2	L 4455	0-90	19	13	68	1.6	1.5	9.2	13.6
			4456	-165	21	13	66	4.8	3.0	11.8	17.9
			4457	-190				6.3			
L556	V4	2	L 4458	0-110	19	15	66	0.6	0.4	7.5	11.4
			4459	-160	22	12	66	2.7	2.1	11.0	16.7
			4460	-185				5.1			
L557	V4	2	L 4463	0-90	19	15	66	0.6	0.7	8.7	13.1
			4464	-140	24	10	66	3.2	2.3	10.8	16.4
			4465	-180				2.9			
L558	NV4	2	L 4461	0-110	19	15	66	1.5	1.3	10.2	15.5
			4462	-185	24	11	65	3.4	2.3	10.8	16.6
L559	V2	3als	L 4466	0-60	37	15	48	1.8	1.5	4.9	10.3
			4467	-135	34	15	51	8.1	4.9	12.3	25.2
			4468	-185				8.2			
L560	V4	3as	L 4469	0-60	34	13	53	0.6	0.5	7.2	13.7
			4470	-115	30	14	56	8.4	5.5	13.2	23.6
			4471	-185				8.5			
L561	NV4	4a	L 4472	0-85	29	13	58	3.6	3.0	11.2	19.3
			4473	-160	30	12	58	5.8	4.1	13.7	23.6
			4474	-200				5.9			
L562	NV4	6a	L 4475	0-65	37	10	53	0.7	0.5	9.2	17.4
			4476	-140	36	10	54	4.8	3.0	14.4	26.7
			4477	-185				6.8			
L563	NV3	4a	L 4478	0-85	29	13	58	5.0	4.9	11.5	19.9
			4479	-135	31	13	56	4.5	3.3	16.7	29.8
			4480	-160				8.1			
L564	NV4	4a	L 4481	0-70	29	10	61	2.3	2.4	11.1	18.3
			4482	-95	29	15	56	8.0	5.4	12.9	23.0
			4483	-120				4.0			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002 mm				
1	2		3	4	5a	5b	5c	6	7	8	9
L565	V4	3as	L 4484	0-60	29	13	58	0.7	0.6	8.0	13.9
			4485	-160	29	12	59	8.0	5.3	10.8	18.3
			4486	-185				6.7			
L566	V4	2	L 4487	0-90	29	13	58	0.5	0.4	7.1	12.3
			4488	-165	27	12	61	5.1	4.8	11.7	19.2
			4489	-200				6.0			
L567	V4	2	L 4490	0-85	27	15	58	0.5	0.7	8.3	14.4
			4491	-160	24	12	64	6.0	4.7	16.5	25.8
			4492	-185				4.0			
L568	NV4	4a	L 4493	0-90	24	15	61	0.6	0.7	12.1	19.8
			4494	-140	27	12	61	4.2	3.6	12.9	21.2
			4495	-165				2.8			
L569	V4	2	L 4496	0-110	27	12	61	0.5	0.5	6.1	10.0
			4497	-160	29	12	59	2.8	2.4	12.4	21.0
			4498	-200				2.4			
L570	V4	2	L 4499	0-135	27	12	61	0.4	0.6	6.0	9.9
			4500	-160	21	15	64	5.2	3.8	12.3	19.2
L571	NV4	2	L 4501	0-115	24	15	61	2.0	1.8	9.3	15.3
			4502	-165	24	15	61	7.0	4.6	9.3	15.2
			4503	-200				8.0			
L572	V4	2	L 4504	0-85	29	15	56	0.4	0.5	5.1	9.5
			4505	-185	26	15	59	7.0	4.5	11.2	19.0
			4506	-200				7.5			
L573	V4	3a	L 4507	0-65	27	15	58	0.5	0.4	6.6	11.5
			4508	-165	29	12	59	6.0	4.1	10.7	18.2
			4509	-200				6.8			
L574	V4	2	L 4510	0-110	24	13	63	1.6	1.3	8.8	14.0
			4511	-160	24	9	67	6.0	4.3	10.9	16.3
			4512	-200				7.0			
L575	V4	2	L 4513	0-65	27	17	56	0.5	0.5	5.1	9.1
			4514	-140	26	15	59	6.0	3.3	8.9	15.1
			4515	-200				5.0			
L576	V4	2	L 4516	0-85	29	13	58	1.5	1.1	6.8	11.8
			4517	-160	29	12	59	4.4	3.6	6.3	10.7
			4518	-200				5.0			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100g	Exch. Na. meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002 mmr				
1	2	3	4	5a	5b	5c	6	7	8	9	
L577	V4	2	L 4519	0-90	24	18	58	1.2	0.9	6.7	11.5
			4520	-140	24	14	62	2.8	1.9	6.4	10.3
			4521	-185				2.7			
L578	V4	2	L 4522	0-85	22	17	61	0.9	0.7	8.0	13.1
			4523	-160	26	12	62	5.0	3.6	8.6	13.9
			4524	-200				4.4			
L579	V4	2	L 4525	0-90	27	15	58	0.4	0.3	4.6	7.9
			4526	-140	24	12	64	3.9	2.8	10.3	16.1
			4527	-200				3.8			
L580	V4	2	L 4528	0-85	17	20	63	0.9	0.7	8.3	13.1
			4529	-160	24	15	61	4.5	3.1	9.5	15.6
			4530	-200				4.5			
L581	V4	2	L 4531	0-90	25	16	59	0.3	0.2	3.9	6.6
			4532	-165	24	14	62	5.4	3.2	8.1	13.1
			4533	-200				4.5			
L582	NV2	3a	L 4534	0-90	47	13	40	0.6	0.4	7.0	17.6
			4535	-140	43	10	47	6.8	3.8	12.3	26.2
			4536	-185				6.3			
L583	NV2	6a	L 4537	0-60	45	12	43	1.2	0.9	8.4	19.6
			4538	-135	44	10	46	6.0	4.2	14.1	30.6
			4539	-160				7.3			
L584	NV2	6a	L 4540	0-60	45	11	44	1.0	0.8	7.5	17.4
			4541	-135	39	12	49	4.5	2.8	14.4	29.4
			4542	-200				4.9			
L585	NV4	4a	L 4543	0-60	35	11	54	0.3	0.2	9.1	16.9
			4544	-135	31	10	59	4.5	3.6	13.6	23.0
			4545	-200				5.6			
L586	NV4	4a	L 4546	0-60	30	12	58	1.3	2.3	10.1	17.4
			4547	-135	24	13	63	5.0	3.2	15.5	24.6
			4548	-200				6.5			
L587	NV4	4a	L 4549	0-85	37	5	58	1.4	2.4	10.6	18.3
			4550	-160	24	9	67	4.7	3.3	15.8	23.6
			4551	-200				7.0			
L588	NV4	4a	L 4552	0-85	30	12	58	3.3	3.0	10.6	18.3
			4553	-160	29	13	58	4.7	3.1	12.6	20.7
			4554	-200				5.8			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
L589	NV4	4a	L 4555	0-85	37	9	54	3.0	2.5	11.3	20.9
			4556	-160	36	11	53	6.0	3.9	13.5	25.4
			4557	-200				7.2			
L590	NV3	6a	L 4558	0-85	42	8	50	5.9	4.6	11.0	22.0
			4559	-135	29	24	47	4.0	2.1	15.7	33.4
			4560	-160				4.6			
L591	NV2	6a	L 4561	0-85	45	11	44	3.7	3.0	10.5	23.8
			4562	-135	39	12	49	4.0	2.0	16.7	34.0
			4563	-160				6.5			
L592	V4	2	L 4564	0-110	27	15	58	0.4	0.5	6.8	11.7
			4565	-185	21	15	64	4.6	2.6	11.3	17.6
L593	NV4	3a	L 4566	0-110	27	13	60	1.4	1.2	9.5	15.9
			4567	-185	24	12	64	3.6	2.1	10.1	15.8
L594	NV4	4a	L 4568	0-85	22	15	63	1.5	1.1	11.0	17.5
			4569	-135	24	12	64	4.4	3.1	10.8	16.9
			4570	-185				6.0			
L595	NV4	3a	L 4571	0-110	25	15	60	0.9	0.8	9.4	15.7
			4572	-160	22	12	66	3.8	2.5	9.7	14.7
			4573	-200				3.5			
L596	NV4	4a	L 4574	0-85	25	15	60	2.4	2.0	10.7	17.9
			4575	-160	21	14	65	3.8	2.6	10.9	16.8
			4576	-200				2.7			
L597	NV4	3a	L 4577	0-135	20	16	64	3.4	3.0	11.2	17.5
			4578	-185	21	12	67	6.3	3.8	8.4	12.5
L598	V4	2	L 4579	0-60	22	17	61	0.6	0.5	7.0	11.6
			4580	-135	21	12	67	4.2	2.8	9.4	14.0
			4581	-160				3.6			
L599	NV4	4a	L 4582	0-110	25	12	63	1.0	1.2	12.3	19.5
			4583	-160	21	14	65	3.8	3.0	12.7	19.5
			4584	-200				3.7			
L600	V4	2	L 4585	0-110	25	12	63	1.3	1.2	9.6	15.2
			4586	-160	21	12	67	3.4	3.6	9.5	14.2
			4587	-200				2.9			
L601	V4	2	L 4588	0-110	22	17	61	0.9	0.9	9.4	15.5
			4589	-185				2.3			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100g	Exch. Na. meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
L602	V4	2	L 4590	0-110	20	17	63	1.0	0.8	9.7	15.5
			4591	-160	21	12	67	2.0	1.3	10.9	16.3
			4592	-200				1.6			
L603	V4	2	L 4593	0-110	20	16	64	2.0	1.6	9.1	14.3
			4594	-200	21	13	65	2.0	1.6	9.7	14.9
L604	V4	2	L 4595	0-85	27	15	58	2.0	1.8	7.7	13.3
			4596	-185	26	12	62	4.5	3.0	7.4	11.9
L605	NV4	2	L 4597	0-160	30	14	56	2.1	1.6	9.6	17.2
			4598	-200	26	14	60	4.5	3.7	9.4	15.7
L606	V4	2	L 4599	0-135	25	16	59	1.7	1.3	8.6	14.6
			4600	-200	26	13	61	5.0	3.5	8.2	13.5
L607	V4	2	L 4601	0-160	25	16	59	3.5	2.3	7.1	12.0
			4602	-200	26	12	62	3.8	2.5	6.2	10.0
L608	V4	2	L 4603	0-135	30	12	58	0.5	0.4	6.9	11.9
			4604	-160	21	17	62	5.1	4.0	6.4	10.3
			4605	-200				5.7			
L609	V4	2	L 4606	0-110	22	15	63	0.8	0.7	7.5	11.9
			4607	-185	21	15	64	3.9	2.2	7.8	12.2
L610	NV4	3a	L 4608	0-110	22	17	61	3.7	2.7	9.8	16.1
			4609	-185	21	15	64	4.9	2.8	9.4	14.7
L611	NV4	3a	L 4610	0-110	22	15	63	1.5	1.3	11.7	18.6
			4611	-160	21	14	65	4.9	3.0	11.8	18.2
			4612	-200				6.5			
L612	NV4	4a	L 4613	0-85	25	16	59	1.3	1.2	11.5	19.6
			4614	-160	23	9	68	4.5	2.4	13.3	19.6
			4615	-200				6.7			
L613	V4	2	L 4616	0-85	25	15	60	0.7	2.5	7.2	12.0
			4617	-160	21	10	69	4.6	2.3	11.6	16.8
			4618	-185				4.5			
L614	V4	2	L 4619	0-135	22	17	61	1.7	1.3	9.3	15.2
			4620	-185	21	12	67	2.6	1.9	9.8	14.7
L615	NV4	2	L 4621	0-135	22	15	63	2.2	2.1	10.1	16.0
			4622	-185	21	9	70	2.7	1.9	10.7	15.3

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
L616	V4	2	L 4623	0-60	22	17	61	0.5	0.4	6.1	10.1
			4624	-135	24	10	66	2.9	2.0	9.3	14.1
			4625	-185				3.3			
L617	V4	2	L 4626	0-60	25	16	59	0.7	0.5	7.1	12.0
			4627	-135	21	10	69	3.7	2.1	8.8	12.7
			4628	-185				3.2			
L618	NV4	3a	L 4629	0-110	20	16	64	2.2	1.8	11.0	17.2
			4630	-160	26	9	65	3.1	2.4	9.8	15.1
			4631	-200				3.1			
L619	NV4	4a	L 4632	0-85	20	17	63	1.9	1.5	10.4	16.6
			4633	-160	21	11	68	3.3	2.1	8.3	12.2
			4634	-200				3.2			
L620	NV4	3a	L 4635	0-110	22	15	63	2.0	1.9	10.3	16.3
			4636	-160	44	5	51	3.2	1.9	9.8	19.2
			4637	-200				3.2			
L621	V4	2	L 4638	0-85	22	15	63	1.5	1.4	8.6	13.6
			4639	-160	41	5	54	2.4	1.4	9.0	16.7
			4640	-200				2.4			
L622	NV4	3a	L 4641	0-85	20	17	63	1.0	0.8	10.0	15.9
			4642	-160	41	5	54	2.5	1.3	10.9	20.2
			4643	-200				3.1			
L623	NV4	3a	L 4644	0-110	22	15	63	1.2	0.7	10.3	16.4
			4645	-135	29	7	64	3.0	1.7	11.4	17.8
			4646	-185				3.2			
L624	V4	2	L 4647	0-110	22	15	63	0.6	0.8	8.1	12.9
			4648	-160	44	6	50	1.5	1.2	7.5	15.0
			4649	-200				2.0			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100 g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay ∨ 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
L701	NV4 6a	L 7001	0-25	36	5	59	0.6	0.5	9.5	16.2	
			-75	32	12	56	3.1	1.8	16.9	30.1	
			-115				5.5				
L702	NV4 3a	L 7004	0-50	34	7	59	3.3	2.2	8.9	15.1	
			-125				8.5				
			-150				4.4				
L703	NV4 6a	L 7007	0-50	36	8	56	1.2	0.9	12.5	22.3	
			-125				7.2				
			-150				5.0				
L704	NV4 6a	L 7010	0-50	41	8	51	0.9	0.7	10.1	19.8	
			-100	27	17	56	3.5	2.2	15.0	26.7	
			-140				3.4				
L705	NV4 4a	L 7013	0-75	34	7	59	1.8	1.4	11.5	19.6	
			-125	19	17	64	4.4	2.5	14.0	21.8	
			-150				3.4				
L706	NV4 6a	L 7016	0-75	34	7	59	1.8	1.3	14.7	25.0	
			-125				4.6				
			-150				3.2				
L707	NV4 6a	L 7019	0-75	29	10	61	1.7	1.2	13.3	21.8	
			-125				5.2				
			-150				3.0				
L708	NV3 4a	L 7022	0-75	31	13	56	4.9	4.2	9.2	16.4	
			-150	19	17	64	3.4	2.4	18.8	28.1	
			-200				3.9				
L709	NV3 4a	L 7025	0-75	34	12	54	5.8	4.7	10.1	18.7	
			-125	19	22	59	3.2	2.8	25.0	42.3	
			-200				3.0				
L710	NV4 3a	L 7028	0-100	29	10	61	3.4	2.6	10.2	16.7	
			-150	19	22	59	3.4	2.8	19.8	33.5	
			-200				2.9				
L711	NV4 4a	L 7031	0-50	34	7	59	0.7	0.5	10.3	17.5	
			-150	19	17	64	7.0	6.1	17.4	27.1	
			-200				4.1				
L712	NV4 6a	L 7034	0-50	41	8	51	1.4	1.0	9.4	18.4	
			-100	27	17	56	6.5	5.4	15.2	27.1	
			-150				3.0				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100 g	Exch. Na. meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
L713	NV4	6a	L 7037 7038 7039	0-50 -100 -150	39	7	54	1.6 7.0 3.3	1.1	12.4	23.1
L714	NV4	6a	L 7040 7041 7042	0-75 -125 -200	44	5	51	2.4 4.2 4.6	1.7	10.8	21.2
L715	NV4	4a	L 7043 7044 7045	0-50 -150 -200	39 22	7 14	54 64	1.0 7.9 4.6	0.9 6.0	10.1 16.6	18.7 25.9
L716	NV4	4a	L 7046 7047 7048	0-75 -150 -200	39	5	56	3.0 7.4 3.7	2.1	11.3	20.2
L717	NV4	4a	L 7049 7050 7051	0-75 -125 -160	36 17	5 16	59 67	1.9 5.8 6.8	1.5 3.8	10.8 18.0	18.3 26.8
L718	NV4	4a	L 7052 7053 7054	0-50 -75 -125	41 22	5 17	54 61	1.1 7.0 7.1	0.9 4.0	10.1 14.7	18.8 24.0
L719	NV4	6a	L 7055 7056 7057	0-75 -125 -160	44	5	51	2.0 6.0 4.4	1.4	11.2	22.0
L720	NV4	6a	L 7058 7059 7060	0-50 -150 -200	36	8	56	1.3 6.5 5.5	0.9	12.5	22.4
L721	NV4	6a	L 7061 7062 7063	0-50 -100 -150	44	5	51	1.4 7.2 5.1	0.9	13.8	27.0
L722	NV4	6a	L 7064 7065 7066	0-50 -100 -150	35	8	56	3.4 7.1 4.5	2.2	12.2	21.8
L723	NV3	4a	L 7067 7068 7069	0-50 -125 -175	34 27	7 14	59 59	4.7 6.5 3.4	3.0 4.4	9.3 14.7	15.7 24.9
L724	NV4	4a	L 7070 7071 7072	0-75 -125 -150	23 19	13 15	64 66	1.3 5.0 4.0	0.9 3.9	11.3 16.5	17.7 25.0

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100 g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
L723	NV4	4a	L 7073	0-75	41	5	54	1.6	1.3	9.7	18.0
			7074	-150	19	17	64	5.5	3.6	17.8	27.8
			7075	-175				8.0			
L726	NV4	4a	L 7076	0-50	36	5	59	2.0	1.2	9.1	15.5
			7077	-100	22	17	61	8.0	5.8	15.4	25.2
			7078	-150				5.0			
L727	NV4	4a	L 7079	0-50	41	5	54	1.0	0.6	11.0	20.5
			7080	-125				7.5			
			7081	-150				3.8			
L728	NV4	4a	L 7082	0-50	24	10	66	0.9	0.7	10.7	16.3
			7083	-125	22	14	64	6.7	3.8	16.6	25.9
			7084	-150				6.1			
L729	NV4	4a	L 7085	0-50	31	10	59	1.1	0.8	11.0	18.3
			7086	-150	22	14	64	7.5	5.0	15.4	24.0
			7087	-175				5.2			
L730	NV4	4a	L 7088	0-75	34	5	61	2.2	1.6	12.1	19.8
			7089	-175				4.6			
			7090	-200				3.6			
L731	NV4	4a	L 7091	0-50	26	10	64	1.6	1.2	11.4	17.9
			7092	-100	17	17	66	7.2	4.8	16.6	25.1
			7093	-150				4.0			
L732	V4	3a	L 7094	0-50	26	13	61	1.2	1.1	7.6	12.5
			7095	-125	19	10	61	8.0	5.2	16.0	26.2
			7096	-150				6.3			
L733	NV4	4a	L 7097	0-75	29	7	64	1.4	1.1	10.6	16.6
			7098	-100	14	17	69	4.6	2.5	15.3	22.1
			7099	-125				5.5			
L734	NV4	4ar	L 7100	0-50	34	12	54	3.2	2.5	10.8	20.1
			7101	-100				6.7			
			7102	-125				3.0			
L735	NV4	4a	L 7103	0-50	26	13	61	1.3	0.9	12.5	20.6
			7104	-125				5.0			
			7105	-150				4.0			
L736	NV3	6a	L 7106	0-50	26	13	61	4.6	3.4	10.4	17.0
			7107	-125	24	15	61	6.5	4.1	22.0	36.0
			7108	-150				3.7			

TABLE NO. 3.3

Pit No.	Soil Class Land Class	Sample No.	Depth cms	Mechanical Analysis			F.C. mmhos/cm at 25°C	Sol.Na meq.per 100 g	Exch. Na meq.per 100 g	E.S.P.
				Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002 mm V				
1	2	3	4	5a	5b	5c	6	7	8	9
L737	NV4 6a	L 7109	0-50	29	12	59	2.0	1.5	10.0	17.0
		7110	-125	14	20	66	5.3	4.0	20.6	31.2
		7111	-150				4.8			
L738	NV4 6a	L 7112	0-50	26	10	64	1.4	1.2	11.7	18.3
		7113	-125	19	15	66	5.7	3.5	20.0	30.3
		7114	-150				7.0			
L739	NV4 3a	L 7115	0-45	41	8	51	0.9	0.6	7.7	15.1
		7116	-100	17	17	66	7.0	5.8	16.4	24.8
		7117	-150				8.0			
L740	NV4 4a	L 7118	0-45	31	13	56	3.9	2.3	11.1	19.9
		7119	-100	22	17	61	7.0	4.9	12.3	20.1
		7120	-125				3.3			
L741	NV4 4a	L 7121	0-50	36	13	51	0.8	0.9	8.9	17.5
		7122	-100	22	14	64	4.0	3.0	13.5	21.0
		7123	-150				3.2			
L742	NV4 4a	L 7124	0-50	29	12	59	0.8	0.5	9.8	16.6
		7125	-100	24	15	61	3.7	2.1	15.1	24.7
		7126	-150				3.3			
L743	NV4 6a	L 7127	0-50	36	10	54	2.1	1.5	11.9	22.0
		7128	-125				4.8			
		7129	-150				2.0			
L744	NV4 6a	L 7130	0-50	26	10	64	1.8	1.6	13.9	21.7
		7131	-75				8.0			
		7132	-125				6.1			
L745	NV4 4a	L 7133	0-50	34	12	54	1.7	1.2	10.7	19.9
		7134	-125	17	19	64	5.9	2.9	15.8	24.6
		7135	-200				2.9			
L746	NV4 6a	L 7136	0-50	29	12	59	0.9	0.7	13.1	22.2
		7137	-75				6.4			
		7138	-150				3.8			
L747	NV4 6a	L 7139	0-65	36	10	54	4.3	3.2	12.8	23.7
		7140	-115				6.2			
		7141	-140				4.1			
L748	NV4 6a	L 7142	0-50	39	9	52	2.7	2.2	10.2	19.6
		7143	-125	19	20	61	5.1	3.0	19.6	32.1
		7144	-175				7.5			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			F.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
L749	NV4	4a	L 7145	0-75	24	12	64	2.4	2.2	10.9	17.1
			7146	-125	14	17	69	5.7	4.3	14.4	20.8
			7147	-150				4.2			
L750	V4	4a	L 7148	0-25	31	12	57	0.6	0.5	7.2	12.6
			7149	-75	24	12	64	4.5	1.9	12.9	20.1
			7150	-150				5.0			
L751	NV4	4a	L 7151	0-50	31	7	62	2.3	1.6	11.6	18.7
			7152	-125	12	19	69	7.0	4.0	17.2	24.9
			7153	-150				5.4			
L752	NV4	6a	L 7154	0-50	26	12	62	1.1	0.8	13.5	21.8
			7155	-125				6.0			
			7156	-150				3.5			
L753	NV4	6a	L 7157	0-50	36	10	54	1.1	0.7	12.2	22.7
			7158	-125				5.0			
			7159	-175				6.7			
L754	NV4	6a	L 7160	0-50	39	7	54	1.0	0.8	14.0	26.0
			7161	-75				7.5			
			7162	-125				6.2			
L755	NV4	4a	L 7163	0-50	29	14	57	3.0	2.1	9.1	16.1
			7164	-150	14	20	66	4.6	2.8	12.9	19.5
			7165	-200				2.4			
L756	NV4	6a	L 7166	0-50	29	22	49	0.8	0.7	11.4	23.4
			7167	-75				4.5			
			7168	-125				5.1			
L757	NV4	4a	L 7169	0-50	29	12	59	0.8	0.8	10.3	17.5
			7170	-75	22	17	61	3.4	2.4	10.7	17.5
			7171	-125				4.2			
L758	NV4	6a	L 7172	0-50	21	7	72	2.2	2.0	23.4	32.5
			7173	-75				7.0			
			7174	-150				6.0			
L759	V4	2	L 7175	0-50	24	14	62	0.6	0.5	6.6	10.6
			7176	-100	22	14	64	3.2	1.9	6.8	10.6
			7177	-175				1.3			
L760	NV4	6a	L 7178	0-50	16	17	67	0.9	0.7	15.25	22.4
			7179	-75				7.0			
			7180	-125				6.2			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25 °C	Sol. Na meq. per 100 g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay v 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
L761	V4	3a	L 7181	0-50	34	14	52	0.8	0.7	6.7	12.9
			7182	-75	24	22	54	1.7	1.1	8.5	15.7
			7183	-125				1.3			
L762	NV4	6a	L 7184	0-50	29	14	57	1.1	0.9	13.5	23.7
			7185	-75				4.6			
			7186	-125				4.2			
L763	NV4	4a	L 7187	0-75	29	9	62	1.0	0.8	12.7	20.6
			7188	-100				5.2			
			7189	-125				5.0			
L764	NV4	4a	L 7190	0-75	31	15	54	1.8	1.5	11.1	20.7
			7191	-100				3.1			
			7192	-150				5.0			
L765	NV4	4a	L 7193	0-50	44	4	52	0.8	0.7	8.6	16.6
			7194	-75	14	20	66	2.1	1.3	10.0	15.1
			7195	-125				2.6			
L766	NV4	6a	L 7196	0-75	39	7	54	3.3	2.6	12.2	22.6
			7197	-125				6.5			
			7198	-200				5.5			
L767	NV4	6a	L 7199	0-25	26	12	62	0.6	0.6	13.7	22.1
			7200	-75				3.7			
			7201	-125				7.2			
L768	V4	2	L 7202	0-25	26	12	62	0.7	0.5	8.3	13.5
			7203	-100	19	17	64	1.8	1.4	8.2	12.8
			7204	-125				2.8			
L769	NV4	6a	L 7205	0-50	31	12	57	0.7	0.6	14.1	24.8
			7206	-75				7.0			
			7207	-100				10.0			
L770	NV4	6a	L 7208	0-75	24	9	67	2.5	2.2	14.6	21.9
			7209	-125				6.5			
			7210	-175				4.7			
L771	NV4	4a	L 7211	0-25	24	9	67	0.5	0.6	11.0	16.5
			7212	-75	22	14	64	1.3	0.7	13.2	20.6
			7213	-150				5.7			
L772	NV4	4a	L 7214	0-50	26	12	62	0.6	0.6	9.3	15.0
			7215	-100	17	16	67	8.0	5.9	15.3	22.8
			7216	-150				6.0			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			F.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
L773	NV4	3a	L 7217	0-75	24	12	64	0.8	0.8	10.2	15.9
			7218	-150	19	12	69	5.2	3.8	15.2	22.0
			7219	-175				6.9			
L774	NV4	4a	L 7220	0-75	29	9	62	1.3	1.0	13.0	21.0
			7221	-150				3.7			
			7222	-175				3.3			
L775	NV4	4a	L 7223	0-50	24	9	67	1.1	0.8	12.1	18.2
			7224	-75	19	11	70	5.6	3.8	14.0	20.0
			7225	-125				6.1			
L776	NV4	4a	L 7226	0-75	21	15	64	0.7	0.5	11.6	18.2
			7227	-125	19	7	74	3.8	2.2	13.0	17.5
			7228	-175				4.3			
L777	NV4	4a	L 7229	0-50	29	9	62	0.8	0.5	11.6	18.8
			7230	-75	24	9	67	7.0	4.0	14.7	21.9
			7231	-125				6.2			
L778	NV4	4a	L 7232	0-75	24	12	64	1.1	0.8	13.1	20.2
			7233	-125				7.0			
			7234	-150				4.8			
L779	NV4	4a	L 7235	0-50	24	14	62	1.0	0.8	12.1	19.5
			7236	-100	19	19	62	4.0	2.6	13.9	22.4
			7237	-200				2.1			
L780	NV4	4a	L 7238	0-75	26	10	64	1.2	0.9	12.1	18.9
			7239	-125	19	14	67	6.3	2.8	13.3	19.8
			7240	-150				6.5			
L781	NV4	4a	L 7241	0-50	36	5	59	0.6	0.4	11.0	18.7
			7242	-75	19	14	67	5.7	4.0	9.9	14.7
			7243	-100				7.0			
L782	NV4	4a	L 7244	0-75	24	12	64	2.4	1.8	14.0	21.9
			7245	-125				5.2			
			7246	-150				3.2			
L783	V4	6s	L 7247	0-50	34	7	54	7.0	4.9	6.1	11.3
			7248	-75	22	15	63	0.9	3.0	13.5	21.4
			7249	-100				5.1			
L784	NV4	4a	L 7250	0-50	24	12	64	1.6	1.2	12.9	20.2
			7251	-75				8.0			
			7252	-125				7.5			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay v 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
L785	NV4 4a	L 7253	0-50	29	9	62	0.9	0.7	11.0	16.2	
			-75	27	14	59	5.9	3.6	11.2	18.9	
			-125				6.5				
L786	NV4 6a	L 7256	0-50	29	9	62	1.2	0.9	14.0	22.7	
			-100				8.0				
			-200				7.8				
L787	NV4 4a	L 7259	0-50	21	12	67	0.8	0.6	13.7	20.4	
			-100				7.5				
			-150				6.3				
L788	NV4 4a	L 7262	0-50	29	9	62	0.7	0.7	12.5	20.2	
			-100				3.4				
			-150				7.0				
L789	NV4 4a	L 7265	0-50	26	12	62	1.0	0.6	12.2	19.8	
			-100	19	19	62	7.5	4.7	14.4	23.2	
			-150				6.0				
L790	NV4 6a	L 7268	0-50	29	14	57	3.6	2.3	16.5	29.0	
			-75				7.5				
			-150				7.2				
L791	NV4 4a	L 7271	0-75	26	12	62	1.6	1.0	10.9	17.7	
			-150	17	14	69	5.0	3.2	14.6	21.1	
			-175				6.3				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002mm v				
1	2		3	4	5a	5b	5c	6	7	8	9
M400	E 41		M 2121	0-50	63	6	31	0.4	0.2	1.2	3.8
			2122	-100	46	8	46	3.2	2.0	7.1	15.4
			2123	-180	44	6	50	5.7			
M401	NV2 6a		M 2124	0-60	48	11	41	0.8	0.4	9.3	22.6
			2125	-130				7.2			
			2126	-185				6.0			
M402	V2 3a1		M 2127	0-70	45	9	46	0.6	0.5	6.7	14.5
			2128	-140	42	10	48	5.8	4.3	9.6	20.0
			2129	-210				6.7			
M403	V2 3a1		M 2130	0-50	48	11	41	0.4	0.3	2.8	6.8
			2131	-100	47	10	43	5.8	2.9	7.1	16.5
M404	NV1 6as		M 2133	0-50	45	9	46	6.8	1.0	8.9	19.3
			2134	-100				5.5			
			2135	-170				8.0			
M405	V2 3a1		M 2136	0-50	40	14	46	0.8	0.4	6.6	14.3
			2137	-100	39	14	47	3.1	2.5	8.8	18.7
M406	V2 31		M 2138	0-70	53	8	39	4.4	2.4	4.2	10.7
			2139	-130				4.3			
			2140	-200	44	9	47	6.0			
M407	NV2 6a		M 2141	0-50	53	8	39	3.1	1.7	9.1	23.3
			2142	-100	19	11	70	7.0			
			2143	-180	39	11	50	7.0			
M408	NV2 6a		M 2144	0-60	55	6	39	1.2	0.7	7.5	19.3
			2145	-120				7.0			
			2146	-180				7.0			
M409	NV2 6a		M 2147	0-66	45	9	46	4.0	5.0	8.0	17.3
			2148	-115				7.0			
			2149	-200				5.8			
M410	V2 6a		M 2150	0-50	50	11	39	1.4	1.1	5.1	13.0
			2151	-120	49	10	41	6.5	4.0	11.7	28.5
			2152	-180				7.0			
M411	NV3 6a		M 2153	0-75	38	11	51	6.0	3.0	12.7	24.9
			2154	-140				7.5			
			2155	-200				6.5			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002mm				
1	2		3	4	5a	5b	5c	6	7	8	9
M412	NV2 6a	M 2156	0-60	35	19	46	1.3	1.2	10.0	21.7	
			-120			1.5					
			-210			0.8					
M413	NV4 4a	M 2159	0-60	33	13	54	0.6	0.5	8.6	15.9	
			-120	37	12	51	1.6				
			-200			2.9					
M414	NV2 3a1	M 2162	0-80	40	16	44	0.6	0.4	6.6	15.0	
			-110	44	12	44	5.2				
			-170			5.1					
M415	E 41	M 2164	0-75	48	18	34	0.4	0.2	2.7	7.9	
			-140	44	15	41	0.5				
			-200			0.7					
M416	V2 31	M 2168	0-60	30	26	44	2.4	2.0	6.3	14.3	
			-120	40	17	47	1.5				
			-200			0.5					
M417	E 41	M 2171	0-60	53	13	34	0.5	0.2	1.5	4.5	
			-120	54	10	36	0.6				
			-200			0.5					
M418	V4 3a	M 2174	0-60	28	18	54	3.8	2.4	6.6	12.2	
			-120	29	15	56	5.5				
			-200			5.5					
M419	NV4 6a.	M 2177	0-60	38	11	51	0.2	0.2	12.3	24.1	
			-130			6.5					
			-200			6.7					
M420	NV3 6as	M 2180	0-60	17	16	67	6.8	9.6	17.6	26.2	
			-120			10.2					
			-205			6.0					
M421	E 41	M 2183	0-60	73	1	26	3.5	1.0	1.8	6.9	
			-120	69	8	23	3.6				
			-205			5.8					
M422	E 41	M 2186	0-60	78	3	19	0.8	0.3	1.8	9.4	
			-150	64	8	28	2.7				
			-200			5.0					

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100g	Exch. Na. meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay < 0.002mm				
1	2		3	4	5a	5b	5c	6	7	8	9
M423	NV4	6a	M 2189	0-60	15	29	56	1.7	1.7	12.5	22.3
			2190	-120			2.5				
			2191	-200			2.1				
M424	E	6a	M 2192	0-50	58	8	34	0.7	0.3	3.5	10.2
			2193	-110	67	8	25	2.6			
			2194	-140			2.5				
M425	E	41	M 2195	0-60	70	6	24	0.4	0.1	0.4	1.8
			2196	-130	64	5	31	0.6			
			2197	-200			0.5				
M426	V4	4a	M 2198	0-70	30	14	56	0.7	0.5	10.2	18.2
			2199	-150	32	17	51	4.2			
			2200	-205			4.0				
M427	E	41	M 2201	0-70	65	6	29	0.3	0.1	0.2	0.9
			2202	-140	66	8	26	0.9			
			2203	-200			1.6				
M428	NV1	6a	M 2204	0-30	58	6	36	4.5	3.2	6.3	17.5
			2205	-90			5.5				
			2206	-200			1.8				
M429	NV4	4a	M 2207	0-60	23	18	59	3.5	2.8	9.7	16.4
			2208	-110	34	13	53	1.4			
			2209	-190			2.3				
M430	NV4	4a	M 2210	0-60	43	8	49	2.8	2.4	8.9	18.1
			2211	-120			4.2				
			2212	-200			1.9				
M431	NV2	6a	M 2213	0-66	53	8	39	0.7	0.2	13.7	35.1
			2214	-130			5.0				
			2215	-190			7.5				
M432	NV2	6a	M 2216	0-66	30	26	44	0.5	0.1	7.7	17.5
			2217	-120			5.2				
			2218	-145			5.7				
M433	NV2	6a	M 2219	0-66	53	11	36	0.8	0.4	6.9	19.1
			2220	-120			4.0				
			2221	-190			7.0				
M434	E	41	M 2222	0-60	59	14	27	0.2	0.1	0.8	2.9
			2223	-120	59	8	33	0.5			
			2224	-205			6.2				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.	
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002mm V					
1	2	3	4	5a	5b	5c	6	7	8	9		
M435	NV4	4a	M 2225	0-60	37	11	52	0.8	0.4	9.6	18.4	
			2226	-120	37	9	54	0.7	5.2	12.0	22.2	
			2227	-190				6.5				
M436	V2	3a1	M 2228	0-60	42	13	45	0.3	0.2	5.7	12.6	
			2229	-120	30	14	56	2.6	3.4	9.7	17.3	
			2230	-210				4.4				
			2231	-280				2.0				
M437	NV2	6a	M 2232	0-60	42	11	47	0.6	0.6	7.4	15.7	
			2233	-120				5.7				
			2234	-190				6.0				
M438	NV2	3a	M 2235	0-70	34	19	47	3.6	3.3	7.9	16.8	
			2236	-130				6.5				
			2237	-215				1.3				
M439	NV2	6a	M 2238	0-65	52	8	40	2.1	1.5	7.9	19.7	
			2239	-130				8.0				
			2240	-190				7.1				
M440	NV2	6a	M 2241	0-60	44	14	42	0.6	0.3	6.7	15.8	
			2242	-120				4.6				
			2243	-205				5.9				
M441	E	41	M 2244	0-90	54	14	32	0.6	0.2	1.9	5.9	
			2245	-140	62	9	29	4.2	1.9	4.6	15.8	
			2246	-200				4.2				
M442	V4	3a	M 2247	0-60	39	9	52	0.3	0.2	4.8	9.2	
			2248	-130	44	10	46	5.2	4.4	9.4	20.4	
			2249	-215				4.2				
M444	V2	3a1	M 2250	0-60	44	11	45	1.5	0.8	5.9	13.1	
			2251	-130	47	9	44	5.5	5.3	10.4	23.6	
			2252	-215				6.2				
M445	V4	3a	M 2253	0-60	40	9	51	4.0	2.4	4.2	8.2	
			2254	-130	39	10	51	6.0	5.7	12.1	23.7	
			2255	-190				7.2				
M446	NV1	6as	M 2256	0-60	17	46	37	6.2	6.0	16.0	43.2	
			2257	-130				4.7				
			2258	-210				3.0				
M447	E	41	M 2259	0-70	67	3	30	1.0	0.5	4.0	13.3	
			2260	-130	52	9	39	5.1	1.7	7.9	20.2	
			2261	-190				2.4				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100 g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.2	Silt 2.02-0.002mm	Clay V 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
M448	E	41	M 2262	0-60	62	6	32	0.4	0.1	0.3	1.8
			2263	-130	59	5	36	0.3	0.3	1.0	2.7
			2264	-205				0.3			
M449	V4	3a	M 2269	0-60	30	12	58	0.7	0.8	6.7	11.5
			2270	-130	29	11	60	2.8	2.1	13.1	21.8
			2271	-205				5.8			
M450	V2	31	M 2265	0-60	59	4	37	3.0	0.7	1.7	4.5
			2266	-140				4.7			
			2267	-190				2.0			
M451	V2	3a1	M 2272	0-70	39	14	47	0.5	0.4	6.9	14.6
			2273	-120	38	11	51	3.1	1.9	12.5	24.5
			2274	-210				6.5			
M452	NV2	6a	M 2275	0-60	47	8	45	0.6	0.5	9.1	20.2
			2276	-140				6.8			
			2277	-190				7.0			
M453	E	41	M 2278	0-60	62	6	32	0.8	0.4	3.4	10.6
			2279	-140	39	10	51	3.4	2.9	10.6	20.7
			2280	-210				5.0			
M454	NV2	6a	M 2281	0-60	49	14	37	1.3	0.6	7.4	20.0
			2282	-130				6.0			
			2283	-190				7.0			
M455	NV4	4a	M 2284	0-70	22	13	65	2.3	1.7	13.5	20.7
			2285	-135				4.2			
			2286	-190				5.1			
M456	NV4	4a	M 2287	0-60	27	16	57	1.6	1.1	10.7	18.7
			2288	-120	23	16	61	4.0	3.4	12.7	20.8
			2289	-210				6.0			
M457	NV4	4a	M 2290	0-60	29	16	55	2.1	1.6	10.6	19.2
			2291	-120	19	12	69	6.8	5.7	11.7	16.9
			2292	-190				8.0			
M458	NV4	4a	M 2293	0-70	20	12	68	0.9	0.8	11.0	16.1
			2294	-160	29	12	59	5.7	5.4	11.8	20.0
			2295	-220				3.8			
M459	V4	3as	M 2296	0-66	25	9	66	1.3	1.1	9.7	14.6
			2297	-130	29	10	61	7.4	6.4	11.9	19.5
			2298	-190				6.8			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100g	Exch. Na. meq. per 100 g	E.S.P.
					Sand 2.0-0.2	Silt 2.02-0.002mm	Clay v 0.002 mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
M460	V4	3a	M 2299	0-60	33	11	56	0.6	0.8	6.5	11.6
			2300	-120	34	10	56	3.6	3.1	13.8	24.6
			2301	-210				7.0			
M461	V4	3a	M 2302	0-65	35	9	56	1.1	0.8	7.0	12.5
			2303	-135	47	5	48	5.1	4.9	10.3	21.4
			2304	-190				6.5			
M462	V4	2	M 2305	0-70	38	11	51	0.3	0.1	0.9	1.7
			2306	-160	33	8	59	0.7	0.5	3.4	5.7
			2307	-215				1.0			
M463	V2	31	M 2308	0-66	43	9	48	0.4	0.1	0.6	1.2
			2309	-150	42	9	49	3.6	0.2	2.0	4.0
M464	V2	31	M 2310	0-60	55	4	41	0.3	0.0	0.1	0.2
			2311	-120	49	5	46	0.4	0.1	0.4	0.8
			2312	-200				0.3			
M465	V4	2	M 2313	0-70	43	6	51	0.6	0.3	4.9	9.6
			2314	-130	25	11	64	0.9	1.2	4.5	7.0
			2315	-190				3.3			
M466 A	V2	31	M 2316	0-60	40	14	46	0.8	2.0	1.6	3.4
			2317	-120	33	10	57	3.4	3.0	5.3	9.2
			2318	-210				2.6			
M466 B	NV4	4a	M 2319	0-70	23	9	68	3.2	3.8	12.6	18.5
			2320	-160	28	9	63	5.0	4.7	15.9	25.2
			2321	-180				3.0			
M467	NV4	6a	M 2322	0-80	28	11	61	2.8	14.1	14.1	23.1
			2323	-150				6.9			
			2324	-215				2.2			
M468	NV3	6a.	M 2325	0-60	15	12	73	4.5	3.9	19.1	26.1
			2326	-110				8.0			
			2327	-180				7.1			
M469	NV4	6a	M 2328	0-60	25	17	58	3.4	2.6	13.0	22.4
			2329	-100				6.5			
			2330	-140				6.8			
M470	NV4	4a	M 2331	0-60	23	19	68	0.9	0.9	11.8	17.3
			2332	-130	22	12	66	5.2	5.8	12.5	18.9
			2333	-190				4.4			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol.Na. meq. per 100 g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.2	Silt 2.02-0.002mm	Clay V 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
M471	V4	3a	M 2334	0-60	20	12	68	1.6	1.1	9.7	14.2
			2335	-120	27	9	64	4.3	4.4	11.7	18.2
			2336	-215				6.0			
M472	V4	3a	M 2337	0-60	25	14	61	1.2	0.9	6.9	11.3
			2338	-130	32	11	57	3.2	3.3	10.6	18.5
			2339	-190				5.2			
M473	V4	3a	M 2340	0-60	23	16	61	0.8	0.6	7.9	12.9
			2341	-120	29	7	64	3.8	2.8	12.0	18.7
			2342	-190				3.2			
M474	NV4	4a	M 2343	0-60	28	11	61	2.0	0.8	11.1	18.3
			2344	-130	28	11	61	2.9	3.2	15.5	25.4
			2345	-180				1.6			
M475	E	41	M 2346	0-60	60	7	33	2.3	0.7	0.9	2.8
			2347	-130	59	6	35	2.5	0.7	1.1	3.1
			2348	-190				1.7			
M476	V4	3a	M 2349	0-60	30	12	58	0.5	1.0	8.1	13.9
			2350	-120	17	9	74	4.2	3.9	13.3	17.9
			2351	-180				7.2			
M477	NV4	4a	M 2352	0-80	20	9	71	0.9	0.8	12.2	17.1
			2353	-150	18	18	64	2.9	2.9	15.8	24.6
			2354	-190				2.6			
M478	NV4	4a	M 2355	0-60	20	17	63	2.7	1.2	13.1	20.4
			2356	-120				5.8			
			2357	-180				3.5			
M479	NV3	6a	M 2358	0-60	28	14	58	4.6	2.6	21.4	36.8
			2359	-120				4.6			
			2360	-190				4.4			
M480	NV4	6a	M 2361	0-70	25	12	63	3.6	1.7	14.3	22.6
			2362	-140				7.6			
			2363	-190				7.0			
M481	NV4	4a	M 2364	0-60	18	14	68	1.4	0.7	13.7	20.1
			2365	-120				4.5			
			2366	-190				7.6			

TABLE NO. 3.3

Pit No.	Soil Class	Lend Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.2	Silt 2.02-0.002mm	Clay 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
M482	NV4	4a	M 2367	0-70	25	12	63	1.0	0.4	12.1	19.2
			2368	-120	26	11	63	3.8	3.4	13.1	20.7
			2369	-190				6.6			
M483	V4	3a	M 2370	0-60	20	14	66	3.8	1.4	8.0	12.1
			2371	-130	27	9	64	0.9	2.8	12.9	20.1
			2372	-190				3.8			
M484	NV4	4a	M 2373	0-60	23	11	66	3.1	2.7	12.6	19.0
			2374	-120	27	9	64	7.0	6.3	16.7	26.0
			2375	-190				4.6			
M485	NV4	4a	M 2376	0-60	28	19	53	1.8	0.7	9.7	18.3
			2377	-120	34	20	46	5.0	3.9	9.2	20.0
			2378	-180				1.9			
M486	NV4	4a	M 2379	0-60	20	19	61	1.8	1.9	11.7	19.1
			2380	-120	27	17	56	4.5	3.3	14.5	25.8
			2381	-190				3.0			
M487	V4	2	M 2382	0-70	23	14	63	0.5	0.6	7.7	12.2
			2383	-140	31	10	59	1.9	1.7	9.6	16.2
			2384	-190				2.0			
M488	V4	3a	M 2385	0-60	38	9	53	0.5	0.4	5.2	9.7
			2386	-120	41	13	46	1.6	1.3	8.7	18.9
			2387	-190				1.5			
M489	V4	2	M 2388	0-60	20	17	63	0.5	0.6	6.9	10.9
			2389	-140	21	16	63	2.5	1.8	8.6	13.6
			2390	-210				1.8			
M490	V4	2	M 2391	0-80	18	14	68	0.5	0.5	8.4	12.3
			2392	-140	29	8	63	3.2	1.9	12.0	19.0
			2393	-205				4.5			
M491	NV4	4a	M 2394	0-70	13	21	66	4.0	3.4	11.2	16.9
			2395	-140	21	16	63	5.2	4.5	13.3	21.1
			2396	-200				6.0			
M492	V4	3a	M 2397	0-60	13	16	71	0.5	0.6	7.9	11.1
			2398	-120	24	13	63	2.4	2.1	12.3	19.5
			2399	-200				5.0			
M493	V4	2	M 2400	0-70	22	10	68	0.6	0.7	8.3	12.2
			2401	-140				2.0			
			2402	-200				1.7			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100 g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.2	Silt 2.02-0.002mm	Clay 0.002mm V				
1	2	3	4	5a	5b	5c	6	7	8	9	
M494	NV4	4a	M 2403	0-60	25	14	61	0.6	0.6	11.6	19.0
			2404	-140				3.0			
			2405	-210				6.2			
M495	NV4	4a	M 2406	0-60	17	10	73	0.7	0.6	11.6	15.8
			2407	-140	24	10	66	3.5			
			2408	-200				5.1			
M496	V4	3a	M 2409	0-60	28	18	54	0.4	0.4	5.2	9.6
			2410	-120	32	12	56	1.4			
			2411	-180				3.2			
M497	V4	3a	M 2412	0-60	25	19	56	0.6	0.4	5.5	9.8
			2413	-120	32	12	56	2.3			
			2414	-180				4.1			
M498	V4	3a	M 2415	0-70	23	16	61	1.2	0.8	8.6	14.1
			2416	-140	30	12	58	4.9			
			2417	-200				4.5			
M499	V4	2	M 2418	0-70	25	19	56	3.2	2.3	3.6	6.4
			2419	-140	34	10	56	3.6			
			2420	-210				5.0			
M500	V4	3a	M 2421	0-70	20	16	64	1.7	1.4	7.5	11.7
			2422	-130	29	9	62	3.7			
			2423	-210				4.8			
M501	V4	3a	M 2424	0-70	15	21	64	1.2	3.4	9.6	15.0
			2425	-130	24	13	63	3.3			
			2426	-210				4.9			
M502	V4	2	M 2427	0-70	18	16	66	0.6	0.4	7.1	10.6
			2428	-140	19	10	71	1.4			
			2429	-200				0.8			
M503	NV4	4a	M 2430	0-60	18	18	64	1.6	1.2	10.4	16.3
			2431	-120	23	11	66	2.8			
			2432	-210				2.0			
M504	V4	3a	M 2433	0-60	18	13	69	0.6	0.4	10.2	14.8
			2434	-120	24	8	68	2.5			
			2435	-200				3.0			
M505	V4	3a	M 2436	0-70	18	13	69	0.7	0.5	7.8	11.3
			2437	-140	23	9	68	1.3			
			2438	-180				2.8			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis				Sol. Na meq. per 100g	Exch. Na meq. per 100g	E.S.P.
					Sand 2.0-0.2	Silt 2.02-0.002mm	Clay 0.002mm	F.C. mmhos/cm at 25°C			
1	2	3	4	5a	5b	5c	6	7	8	9	
M506	V4 2	M 2439	0-60	18	11	71	2.6	1.9	6.8	9.5	
			2440	-140	24	9	67	1.8	1.9	9.4	14.0
			2441	-200				1.8			
M507	V4 2	M 2442	0-60	18	13	69	0.6	0.4	8.8	12.7	
			2443	-120	24	10	66	1.4	1.3	8.7	13.1
			2444	-190				1.6	1.6		
M508	V4 2	M 2445	0-70	40	11	49	0.2	0.1	0.8	1.7	
			2446	-140	41	10	49	0.3	0.1	2.2	4.4
			2447	-180				0.4	0.4		
M509	V4 2	M 2448	0-70	35	9	56	0.2	0.1	0.8	1.4	
			2449	-140	40	6	54	0.3	0.1	1.7	3.1
			2450	-190				0.4	0.4		
M510	V2 3a1	M 2451	0-70	45	14	41	1.5	0.9	6.1	15.0	
			2452	-140	42	9	49	5.2	3.8	9.3	18.6
			2453	-200				4.5			
M511	V4 3a1	M 2454	0-60	45	6	49	0.5	0.3	6.3	12.7	
			2455	-120	52	7	41	1.1	1.1	7.6	18.5
			2456	-180				1.7			
M512	V2 31	M 2457	0-50	55	4	41	0.8	0.1	0.7	1.6	
			2458	-100	72	1	27	0.5	0.1	1.2	4.4
M513	V4 3a	M 2459	0-60	20	14	66	0.9	0.7	10.0	15.2	
			2460	-120	22	12	66	1.4	1.0	16.2	24.5
			2461	-200				0.8			
M514	NV2 6a	M 2462	0-60	48	8	44	2.4	1.7	7.8	17.8	
			2463	-120				4.5			
			2464	-200				3.4			
M515	NV2 3a1	M 2465	0-65	45	11	44	1.1	0.6	6.7	15.3	
			2466	-120				6.8			
			2467	-180				1.8			
M516	V4 3a	M 2468	0-60	38	6	56	1.44	4.2	6.3	11.2	
			2469	-120	32	10	58	6.2	5.0	12.2	21.0
			2470	-200				7.0			
M517	V4 3a	M 2471	0-60	33	13	54	0.5	0.2	7.7	14.3	
			2472	-130	31	8	61	1.8	1.6	12.3	20.1
			2473	-200				5.5			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100g	Exch. Na. meq. per 100 g	E.S.P.
					Sand 2.0-0.2	Silt 2.02-0.002mm	Clay V 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
M518	V4	2	M 2474	0-60	33	13	54	1.6	1.1	7.3	13.5
			2475	-120	31	11	58	5.0	3.0	6.6	11.3
			2476	-170				4.7			
M519	V4	3a	M 2477	0-60	28	13	59	1.0	0.7	6.3	10.6
			2478	-120	31	11	58	4.3	3.1	13.8	23.7
			2479	-200				4.9			
M520	V4	2	M 2480	0-45	45	4	51	2.8	1.0	1.6	3.1
M521	V4	2	M 2481	0-60	40	11	49	0.4	0.1	1.2	2.5
			2482	-120	38	9	53	0.6	0.3	1.5	2.8
M522	V4	2	M 2483	0-100	33	13	54	1.2	0.3	1.7	3.2
M523	V4	2	M 2484	0-120	38	13	49	0.7	0.2	0.5	0.95
M524	V2	31	M 2485	0-60	58	3	39	0.3	0.1	0.3	0.71
			2486	-120	36	8	56	0.3	0.1	2.1	3.7
M525	V4	2	M 2487	0-60	33	11	56	0.5	0.3	4.8	8.6
			2488	-120	31	11	58	2.9	2.1	9.2	15.8
			2489	-200				3.2			
M526	V2	31	M 2490	0-60	40	14	46	0.5	0.2	3.3	7.3
			2491	-120	32	12	56	2.1	1.5	11.7	20.8
			2492	-200				4.2			
M527	V4	2	M 2493	0-60	23	16	61	1.0	0.7	4.9	8.1
			2494	-140	24	13	63	3.7	2.5	8.8	13.9
			2495	-210				3.2			
M528	NV3	4a	M 2496	0-60	25	14	61	4.5	3.3	9.7	15.9
			2497	-130	33	11	56	1.7	1.2	7.5	13.3
			2498	-200				3.8			
M529	V4	2	M 2499	0-60	23	13	64	0.6	0.4	9.8	15.3
			2500	-130	17	12	71	4.5	3.0	7.9	11.1
			2501	-200				4.5			
M530	V4	2	M 2502	0-60	25	14	61	0.8	0.5	5.9	9.7
			2503	-120	26	13	61	2.3	2.0	8.4	13.7
			2504	-200				3.6			
M531	V4	2	M 2505	0-60	27	20	53	0.8	0.4	3.3	6.3
			2506	-140	31	11	58	2.3	1.7	7.0	12.0
			2507	-210				2.9			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			F.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.2	Silt 2.02-0.002mm	Clay V 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
M532	V4	2	M 2508	0-60	30	12	58	0.5	0.2	2.4	4.1
			2509	-120	31	8	61	2.7	1.9	5.1	8.3
			2510	-175				2.4			
M533	V4	2	M 2511	0-70	40	9	51	1.7	1.0	6.3	12.3
			2512	-135	39	10	51	2.9	2.6	9.6	19.2
			2513	-190				2.5			
M534	V4	2	M 2514	0-60	37	7	56	0.3	0.1	1.0	1.8
			2515	-100	34	8	58	0.3	0.1	1.3	2.2
			2516	-130				0.5			
M535	V4	2	M 2517	0-35	37	7	56	0.2	0.2	0.4	0.8
			2518	-45	40	9	51	0.4	0.1	1.2	2.3
M536	V4	2	M 2519	0-65	37	7	56	0.5	0.1	1.0	1.8
			2520	-105	25	11	64	0.2	0.0	1.3	2.0
M537	V4	2	M 2521	0-60	30	9	61	1.1	0.5	1.6	2.6
			2522	-120	34	8	58	1.6	0.5	2.1	3.6
			2523	-190				1.0			
M538	V2	31	M 2524	0-50	47	12	41	0.6	0.2	0.1	0.4
			2525	-100	39	8	53	0.3	0.1	1.7	3.2
M539	V2	31	M 2526	0-50	40	14	46	0.4	0.2	1.9	4.1
			2527	-100	34	10	56	1.2	0.5	1.3	2.3
			2528	-135				1.3			
M540	V4	3a	M 2529	0-60	25	12	63	0.5	0.3	7.2	11.4
			2530	-120	26	13	61	4.5	3.0	10.5	17.2
			2531	-210				5.5			
M541	V3	3s	M 2532	0-60	19	10	71	5.0	2.1	10.4	14.7
			2533	-120				3.8			
			2534	-180				2.3			
			2535	-250				5.0			
			2536	-300				1.6			
M542	V4	2	M 2537	0-70	20	12	68	0.6	0.5	8.7	12.7
			2538	-140	23	9	68	3.3	2.2	11.7	17.2
			2539	-200				1.9			
M543	V4	3a	M 2540	0-70	17	12	71	0.5	0.4	10.1	14.2
			2541	-140	21	11	68	3.0	2.4	13.3	19.5
			2542	-200				3.2			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.2	Silt 2.02-0.002mm	Clay 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
M544	NV4	4a	M-2543	0-70	20	14	66	2.3	1.8	13.4	20.3
			2544	-140	19	13	68	3.8	3.4	13.3	19.5
			2545	-200				2.5			
M545	NV4	4a	M 2546	0-70	22	7	71	0.8	0.6	11.8	16.6
			2547	-140	21	12	67	2.5	2.3	15.5	23.1
			2548	-200				1.7			
M546	V4	3a	M 2549	0-70	17	12	71	1.5	1.0	10.8	15.2
			2550	-140	13	16	71	2.4	2.3	14.9	20.9
			2551	-200				1.5			
M547	V4	2	M 2552	0-70	20	12	68	0.6	0.4	8.1	11.9
			2553	-140	16	13	71	3.0	2.3	10.8	15.2
			2554	-200				4.5			
M548	NV4	4a	M 2555	0-70	22	10	68	1.9	1.6	11.4	16.7
			2556	-140	21	13	66	3.2	3.2	13.3	20.1
			2557	-200				3.2			
M549	V4	2	M 2558	0-70	35	2	63	1.2	1.0	8.7	13.8
			2559	-150	21	10	69	2.2	2.3	11.2	16.2
			2560	-205				1.8			
M550	NV4	4a	M 2561	0-70	20	9	71	1.4	1.2	12.5	17.6
			2562	-140	19	13	68	3.5	3.1	14.7	21.6
			2563	-200				3.7			
M551	V4	3a	M 2564	0-60	20	12	68	0.9	0.7	9.6	14.1
			2565	-120	24	10	66	2.4	2.1	14.4	21.8
			2566	-200				2.4			
M552	NV4	4a	M 2567	0-70	25	9	66	1.5	1.2	10.6	16.1
			2568	-140	24	13	63	5.0	4.5	4.7	20.1
			2569	-200				4.0			
M553	V4	3a	M 2570	0-70	30	7	63	1.1	0.5	7.8	12.3
			2571	-140	28	13	57	1.3	1.3	11.0	18.6
			2572	-200				4.2			
M554	V4	2	M 2573	0-70	17	12	71	0.8	0.5	9.7	13.7
			2574	-140	21	13	66	1.7	1.9	11.2	16.9
			2575	-205				3.0			
M555	V4	2	M 2576	0-70	22	10	68	0.5	0.3	8.5	12.6
			2577	-140	26	8	66	1.5	1.5	10.7	16.2
			2578	-200				3.4			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100g	Exch. Na meq. per 100 g	E.S.P.	
				Depth cms	Sand 2.0-0.2	Silt 2.02-0.002mm					Clay V 0.002mm
1	2	3	4	5a	5b	5c	6	7	8	9	
M556	V4	2	M 2579	0-70	12	12	76	3.9	2.9	9.7	12.8
			2580	-140	18	12	70	2.4	2.4	10.0	14.2
			2581	-200				0.7			
M557	V4	3a	M 2582	0-70	17	10	73	0.9	0.8	10.5	14.4
			2583	-140	23	8	69	2.5	2.9	12.8	18.5
			2584	-200				4.2			
M558	V4	2	M 2585	0-70	20	9	71	0.9	0.5	8.9	12.5
			2586	-140	18	13	69	1.9	3.3	11.5	16.6
			2587	-210				2.6			
M559	V4	2	M 2588	0-70	17	10	73	1.2	0.9	8.6	11.9
			2589	-140	21	11	68	2.3	2.3	11.6	17.0
			2590	-200				1.4			
M560	V4	2	M 2591	0-70	20	12	68	0.8	0.6	9.0	13.2
			2592	-140	19	15	66	1.9	2.1	11.8	17.8
			2593	-200				1.6			
M561	V4	3a	M 2594	0-70	20	14	66	1.5	1.3	9.3	14.1
			2595	-140	24	10	66	1.8	1.4	11.7	17.8
			2596	-200				1.5			
M562	V4	3a	M 2597	0-70	17	15	68	0.9	0.7	9.5	13.9
			2598	-140	19	13	68	2.1	1.7	12.7	18.6
			2599	-195				1.8			
M563	V4	2	M 2600	0-70	17	12	71	1.3	1.1	9.4	13.3
			2601	-140	20	12	68	2.3	2.6	11.3	16.6
			2602	-200				1.6			
M564	V4	3a	M 2603	0-70	17	10	73	0.6	0.4	10.2	13.9
			2604	-140	23	11	66	2.1	2.0	11.9	18.0
			2605	-200				1.8			
M565	V4	2	M 2606	0-70	19	12	69	0.5	0.5	8.6	12.4
			2607	-140	21	13	66	1.5	1.6	10.6	16.0
			2608	-200				2.1			
M566	V4	2	M 2609	0-70	22	7	71	0.8	0.4	9.7	13.6
			2610	-140	18	13	69	1.3	1.7	11.4	16.5
			2611	-200				1.5			
M567	V4	3a	M 2612	0-70	19	10	71	1.0	1.5	10.3	14.5
			2613	-140	21	13	66	2.9	2.3	12.1	18.3
			2614	-200				2.0			

TABLE NO. 3.3

Pit No.	Soil Class Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
				Sand 2.0-0.2	Silt 2.02-0.002mm	Clay V 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9
M568	V4 3a	M 2615	0-70	17	12	71	0.6	0.5	10.6	14.9
		2616	-140	18	11	71	2.2	2.0	11.9	16.7
		2617	-200				2.8			
M569	V4 3a	M 2618	0-70	19	10	71	1.0	0.7	10.3	14.5
		2619	-140	13	16	71	2.1	2.3	11.6	16.8
		2620	-200				2.1			
M570	V4 3a	M 2621	0-70	24	5	71	0.5	0.4	10.1	14.2
		2622	-140	21	15	64	1.9	1.4	10.8	16.8
		2623	-200				2.8			
M571	V4 3a	M 2624	0-70	19	10	71	0.9	0.7	10.1	14.2
		2625	-140	26	10	64	3.8	2.9	13.2	20.6
		2626	-200				2.7			
M572	V4 3a	M 2627	0-70	29	2	69	0.7	0.4	10.1	14.7
		2628	-140	21	13	66	3.2	2.4	13.3	20.1
		2629	-200				5.2			
M573	NV4 4a	M 2630	0-70	22	7	71	0.5	0.3	11.2	15.8
		2631	-140	23	8	69	1.9	2.8	16.2	23.4
		2632	-200				2.6			
M574	NV4 6a	M 2633	0-70	37	7	56	2.1	1.6	10.5	18.8
		2634	-140	21	25	54	4.0	3.6	16.0	29.6
		2635	-200				5.8			
M575 A	V4 2	M 2636	0-70	34	10	56	0.4	0.3	5.6	10.1
		2637	-140	30	14	56	0.5	0.5	9.1	16.2
		2638	-200				2.4			
M575 B	V4 2	M 2639	0-70	27	12	61	0.6	0.3	6.3	10.3
		2640	-140	23	13	64	3.6	2.9	9.3	14.5
		2641	-200				4.1			
M576	V4 2	M 2642	0-70	27	9	64	0.6	0.4	6.9	10.8
		2643	-140	18	16	66	2.7	2.1	9.2	13.9
		2644	-200				2.5			
M577	V4 2	M 2645	0-70	27	9	64	1.1	0.6	6.2	9.6
		2646	-140	18	13	69	1.8	1.6	8.0	11.5
		2647	-200				2.2			
M578	V4 2	M 2648	0-70	24	15	61	0.6	0.4	6.6	10.8
		2649	-140	26	13	61	4.0	2.4	7.2	11.8
		2650	-200				3.7			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.2	Silt 2.02-0.002mm	Clay 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
M579	V4	2	M 2651	0-70	22	12	66	0.7	0.4	6.6	9.9
			2652	-140	21	15	64	2.5	1.9	9.4	14.6
			2653	-200				2.7			
M580	V4	2	M 2654	0-70	19	12	69	0.7	0.4	7.7	11.2
			2655	-140	23	13	64	2.2	1.9	9.4	14.6
			2656	-200				2.6			
M581	V4	3a	M 2657	0-70	19	12	69	1.5	1.1	9.4	13.7
			2658	-140	13	18	69	4.0	2.9	12.0	17.3
			2659	-200				3.5			
			2660	-285				2.5			
M582	V4	2	M 2661	0-70	19	10	71	0.8	0.6	7.7	10.9
			2662	-140	16	13	71	2.6	2.1	9.4	13.2
			2663	-200				2.2			
M583	V4	3a	M 2664	0-70	22	12	66	0.9	0.7	9.0	13.7
			2665	-140	24	10	66	1.3	1.3	11.8	17.8
			2666	-200				1.0			
M584	V4	2	M 2667	0-70	19	12	69	0.5	0.3	7.9	11.4
			2668	-140	16	13	71	1.5	1.2	11.0	15.4
			2669	-200				2.0			
M585	V4	2	M 2670	0-70	19	12	69	0.8	0.6	8.7	12.3
			2671	-140	14	13	73	1.7	1.4	10.8	14.7
			2672	-200				1.4			
M586	V4	3a	M 2673	0-70	19	10	71	1.4	1.3	10.2	14.4
			2674	-140	18	13	69	2.4	2.0	15.2	22.0
			2675	-200				1.9			
M587	V4	3a	M 2676	0-70	17	14	69	0.7	0.6	8.8	12.8
			2677	-140	18	16	66	2.2	1.6	12.3	18.6
			2678	-200				2.4			
M588	V4	2	M 2679	0-70	19	12	69	0.6	0.5	8.9	12.8
			2680	-140	16	15	69	1.6	1.1	8.5	12.3
			2681	-200				1.5			
M589	V4	2	M 2682	0-70	19	10	71	0.8	0.6	8.8	12.4
			2683	-140	23	8	69	1.6	1.0	11.2	16.2
			2684	-200				1.8			
M590	V4	2	M 2685	0-70	22	9	69	0.6	0.5	8.6	12.4
			2686	-140	23	11	66	1.9	1.7	9.2	13.9
			2687	-200				1.8			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100 g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.2	Silt 2.02-0.002mm	Clay 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
M591	V4	2	M 2688	0-70	19	12	69	1.0	0.8	8.6	12.5
			2689	-140	21	13	66	2.2	1.8	10.0	15.1
			2690	-200				1.9			
M592	V4	2	M 2691	0-70	22	9	69	0.8	0.6	9.3	13.4
			2692	-140	14	13	73	1.5	1.4	10.3	14.1
			2693	-200				1.8			
M593	V4	2	M 2694	0-70	19	12	69	0.6	0.5	8.2	11.8
			2695	-140	16	13	71	2.0	1.7	8.3	11.6
			2696	-200				4.5			
M594	V4	2	M 2697	0-70	19	12	69	0.8	0.5	8.0	11.6
			2698	-140	23	11	66	2.1	1.3	11.8	17.8
			2699	-200				2.6			
M595	V4	2	M 2700	0-70	22	12	66	1.1	0.8	7.9	11.9
			2701	-140	18	13	69	3.4	2.0	8.4	12.1
			2702	-200				2.8			
M596	V4	2	M 2703	0-70	19	10	71	1.2	0.8	8.6	12.1
			2704	-140	16	13	71	3.1	1.8	9.5	13.3
			2705	-200				2.6			
M597	V4	3a	M 2706	0-70	19	10	71	1.1	0.7	9.1	12.8
			2707	-140	19	15	66	2.3	1.2	12.0	18.1
			2708	-200				2.1			
M598	V4	2	M 2709	0-70	19	10	71	1.4	0.9	9.0	12.7
			2710	-140	21	11	68	3.6	2.4	7.6	11.1
			2711	-200				2.6			
M599	V4	2	M 2713	0-70	19	10	71	1.4	0.9	10.1	14.2
			2714	-140	21	11	68	2.8	2.1	11.0	16.1
			2715	-200				2.8			
M600	V4	2	M 2716	0-70	19	10	71	1.7	1.2	10.0	14.1
			2717	-120	22	10	68	3.4	2.2	11.0	16.1
			2718	-180				3.3			
M601	V4	2	M 2719	0-70	17	14	69	1.6	1.0	10.5	15.2
			2720	-140	24	10	66	3.0	1.7	9.6	14.5
			2721	-200				2.6			
M602	V4	2	M 2722	0-70	20	13	67	1.2	0.7	8.9	11.7
			2723	-140	21	13	66	2.8	2.1	11.0	16.6
			2724	-200				2.5			

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			F.C. mmhos/cm at 25°C	Sol. Na meq. per 100 g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.2	Silt 2.02-0.002mm	Clay V 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
M603	V4	2	M 2725	0-70	20	13	67	1.3	0.9	8.9	13.2
			2726	-140	19	10	71	2.0	1.4	10.0	14.0
			2727	-200				1.5			
M604	V4	2	M 2728	0-70	20	13	67	0.7	0.6	8.6	13.1
			2729	-140	14	13	73	1.7	2.0	10.3	14.1
			2730	-200				4.9			
M605	V4	2	M 2731	0-70	17	14	69	0.8	0.5	9.1	13.2
			2732	-140	16	13	71	2.2	2.1	11.0	15.4
			2733	-200				2.2			
M606	V4	2	M 2734	0-70	17	14	69	0.6	0.4	8.5	12.3
			2735	-140	21	11	68	1.6	1.6	8.8	12.9
			2736	-200				1.6			
M607	V4	2	M 2737	0-70	17	14	69	2.2	1.5	5.8	8.4
			2738	-140	21	11	68	4.5	3.1	9.1	13.3
			2739	-200				3.3			
M608	V4	3a	M 2740	0-70	22	9	69	0.6	0.5	9.7	14.1
			2741	-140	21	11	68	1.9	1.7	11.4	16.7
			2742	-200				2.1			
M609	V4	2	M 2743	0-70	20	11	69	0.4	0.3	6.0	8.6
			2744	-140	21	11	68	1.3	2.7	8.6	12.6
			2745	-200				1.5			
M610	V4	2	M 2746	0-70	20	11	69	0.7	0.5	8.6	12.5
			2747	-140	16	11	73	1.6	1.7	12.2	16.7
			2748	-200				1.6			
M611	V4	2	M 2749	0-70	22	14	64	1.2	0.9	9.4	14.6
			2750	-140	21	11	68	1.7	1.7	10.5	15.4
			2751	-200				1.6			
M612	V4	2	M 2752	0-70	22	11	67	0.8	0.6	8.0	11.9
			2753	-140	19	10	71	3.1	2.3	10.8	15.2
			2754	-200				2.0			
M613	V4	2	M 2755	0-70	17	14	69	0.6	0.4	8.2	11.9
			2756	-140	19	13	68	2.2	1.9	7.7	11.3
			2757	-200				1.9			
M614	NV4	4a	M 2758	0-70	17	14	69	1.9	2.2	11.0	15.9
			2759	-140	18	14	68	0.8	0.7	9.3	13.6
			2760	-200				2.4			

TABLE NO. 3.3

Pit No.	Soil Class Land Class		Sample No.	Depth cms.	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.2	Silt 2.02-0.002mm	Clay 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
M615	V4	2	M 2761	0-70	17	16	67	0.7	0.6	9.3	13.8
			2762	-140	19	10	71	2.2	2.1	8.8	12.3
			2763	-200				2.1			
M616	NV4	4a	M 2764	0-70	17	11	72	1.3	1.2	11.2	15.6
			2765	-140	16	13	71	2.4	3.0	10.9	15.3
			2766	-210				2.6			
			2767	-290				2.1			
M617	V4	3a	M 2768	0-70	20	11	69	0.7	0.5	9.6	13.9
			2769	-140	24	8	68	1.8	1.8	14.2	20.8
			2770	-200				1.7			
M618	V4	3a	M 2771	0-70	22	9	69	0.5	0.4	8.7	12.7
			2772	-140	21	13	66	1.4	1.7	13.1	19.8
			2773	-200				1.7			
M619	V4	3a	M 2774	0-70	17	14	69	1.3	1.4	10.4	15.1
			2775	-140	19	10	71	2.0	1.9	13.0	18.3
			2776	-210				1.6			
M620	V4	2	M 2777	0-70	17	14	69	0.5	0.5	8.5	12.3
			2778	-140	21	8	71	1.8	2.1	10.1	14.2
			2779	-210				2.6			
M621	V4	3a	M 2780	0-70	17	14	69	0.4	0.4	8.7	12.6
			2781	-140	26	8	66	1.6	1.7	11.8	17.8
			2782	-200				1.8			
M622	V4	2	M 2783	0-70	20	11	69	0.4	0.3	8.3	12.4
			2784	-140	20	12	68	1.1	0.9	10.4	15.2
			2785	-200				1.7			
M623	V4	3a	M 2786	0-70	22	11	67	0.5	0.4	9.5	14.1
			2787	-140	21	11	68	1.6	1.4	11.7	17.2
			2788	-200				2.9			
M624	V4	2	M 2789	0-70	17	16	67	0.8	0.6	9.8	14.6
			2790	-140	21	11	68	1.5	1.6	10.6	15.5
			2791	-200				1.4			
M625	V4	3a	M 2792	0-70	17	14	69	0.9	0.7	10.6	15.3
			2793	-140	16	13	71	2.4	1.8	12.1	17.0
			2794	-200				2.1			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100g	Exch. Na. meq. per 100 g	E.S.P.
					Sand 2.0-0.2	Silt 2.02-0.002mm	Clay 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
M626	V4	2	M 2795	0-70	20	13	67	0.8	0.5	9.3	13.8
			2796	-140	19	13	68	2.6	2.6	11.3	16.6
			2797	-200				2.5			
M627	V4	3a	M 2798	0-70	22	11	67	0.7	0.5	10.3	15.3
			2799	-140	29	10	61	2.5	2.0	13.7	22.4
			2800	-200				2.9			
M628	V4	3a	M 2801	0-70	20	11	69	0.6	0.5	8.4	12.1
			2802	-140	19	13	68	2.5	2.0	13.2	19.4
			2803	-200				4.0			
M629	V4	3a	M 2804	0-70	37	4	59	1.0	0.7	8.0	13.6
			2805	-140	24	13	63	3.2	2.2	11.0	17.4
			2806	-200				5.0			
M630	V4	3a	M 2807	0-70	33	13	54	0.5	0.3	6.6	12.2
			2808	-140	33	11	56	3.3	2.5	10.6	18.9
			2809	-200				5.0			
M631	V4	2	M 2810	0-70	33	10	57	0.4	0.2	4.1	7.1
			2811	-140	29	13	58	1.3	1.3	9.1	15.6
			2812	-200				5.2			
M632	NV4	4a	M 2813	0-70	45	3	52	2.3	1.8	9.7	18.6
			2814	-140				6.0			
			2815	-200				2.2			
M633	V4	3a	M 2816	0-70	32	9	59	0.4	0.3	7.7	13.0
			2817	-140	30	12	58	2.9	2.1	11.0	18.9
			2818	-200				4.5			
M634	V4	2	M 2819	0-70	22	6	72	0.4	0.1	0.9	1.2
			2820	-140	46	6	48	0.4	0.2	4.2	8.7
			2821	-200				0.4			
M635	V4	2	M 2823	0-70	20	8	72	0.5	0.4	8.7	12.0
			2824	-140	16	11	73	2.3	1.7	12.2	16.7
			2825	-200				2.8			
M636	V4	2	M 2826	0-70	20	11	69	1.2	1.0	7.7	11.2
			2827	-140	20	12	68	2.2	2.2	10.0	14.7
			2828	-200				3.4			
M637	V4	3a	M 2829	0-70	17	14	69	1.1	0.8	8.3	11.9
			2830	-140	15	14	71	2.5	2.5	12.7	17.8
			2831	-200				3.0			
			2832	-286				4.8			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na.meq.per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.2	Silt 2.02-0.002mm	Clay V 0.002mm				
1	2		3	4	5a	5b	5c	6	7	8	9
M638	V4	2	M 2833	0-70	17	16	67	1.1	0.9	7.1	10.6
			2834	-140	16	11	73	1.7	1.5	8.1	11.1
			2835	-200				1.6			
M639	V4	2	M 2836	0-70	20	16	64	0.4	0.4	2.9	4.5
			2837	-140	22	12	66	1.1	0.7	9.0	13.6
			2838	-200				0.8			
M640	V4	2	M 2839	0-70	22	11	67	0.5	0.5	9.5	14.2
			2840	-140	16	13	71	0.9	0.8	10.5	14.7
			2841	-200				1.7			
M641	V4	2	M 2842	0-70	20	11	69	0.6	0.6	9.3	13.5
			2843	-140	22	10	68	2.8	3.2	8.5	12.5
			2844A	-200				3.0			
M642	V4	2	M 2844B	0-70	22	13	65	0.6	0.5	8.0	12.3
			2845	-140	22	10	68	1.8	1.4	9.0	13.2
			2846	-200				1.6			
M643	V4	3a	M 2847	0-70	20	13	67	0.6	0.6	8.1	12.0
			2848	-140	21	13	66	2.5	1.9	11.6	17.5
			2849	-200				3.0			
M644	V4	3a	M 2850	0-70	22	13	65	2.1	1.7	9.1	14.0
			2851	-140	20	12	68	2.5	2.1	11.8	17.3
			2852	-200				2.5			
M645	V4	3a	M 2853	0-70	20	11	69	0.6	0.5	9.0	13.0
			2854	-140	21	13	66	1.8	1.4	11.7	17.7
			2855	-200				2.4			
M646	V4	2	M 2856	0-70	22	11	67	1.2	1.0	7.7	11.5
			2857	-140	26	13	61	1.2	1.0	8.6	14.0
			2858	-200				2.3			
M647	V4	3a	M 2859	0-70	20	13	67	0.5	0.4	7.6	11.3
			2860	-140	22	13	65	1.0	0.9	12.6	19.3
			2861	-200				3.2			
M648	V4	2	M 2862	0-70	20	13	67	0.9	0.7	8.2	12.3
			2863	-140	22	11	67	2.4	1.9	10.3	15.3
			2864	-200				2.0			
M649	V4	2	M 2865	0-70	20	13	67	0.5	0.4	7.1	10.6
			2866	-140	20	12	68	1.3	1.0	10.7	15.7
			2867	-200				1.7			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis				Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.2	Silt 2.02-0.002mm	Clay V 0.002mm	E.C. mmhos/cm at 25°C			
1	2	3	4	5a	5b	5c	6	7	8	9	
M650	V4	2	M 2868	0-70	20	13	67	1.0	0.9	9.1	13.6
			2869	-140				1.2			
			2870	-200				1.6			
M651	V4	3a	M 2871	0-70	20	13	67	1.1	0.8	8.6	12.8
			2872	-140				2.0			
			2873A	-200				0.9			
M652	NV4	4a	M 2873B	0-70	20	11	69	1.3	1.2	11.8	17.1
			2874	-140				1.5			
			2875	-200				1.3			
M653	V4	2	M 2876	0-70	17	14	69	0.4	0.4	10.0	14.5
			2877	-140				1.6			
			2878	-200				2.6			
M658	NV4	4a	M 2903	0-70	14	15	71	2.8	3.2	13.7	19.3
			2904	-140				7.5			
			2905	-200				6.7			
M659	NV4	6a	M 2906	0-70	24	15	61	2.0	1.6	13.5	22.0
			2907	-140				7.0			
			2908	-200				3.4			
M660	NV4	6a	M 2909	0-70	27	12	61	4.0	3.8	13.6	22.2
			2910	-140				6.5			
			2911	-200				6.8			
M661	NV4	6a	M 2912	0-70	22	15	63	1.8	1.4	14.9	23.5
			2913	-130				5.5			
			2914	-205				7.0			
M662	NV4	6a	M 2915	0-70	24	15	61	1.1	0.9	9.2	15.0
			2916	-140				3.2			
			2917	-200				1.9			
M663	NV4	4a	M 2918	0-70	22	17	61	3.5	2.9	11.3	18.5
			2919	-130				3.4			
			2920	-200				4.3			
M664	V3	3a	M 2921	0-70	23	17	60	5.5	5.1	8.0	13.3
			2922	-140				7.0			
			2923	-200				1.8			
M665	NV4	4a	M 2924	0-80	26	14	60	3.3	2.5	9.7	16.1
			2925	-150				4.2			
			2926	-200				6.0			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay v 0.002 mm				
1	2		3	4	5a	5b	5c	6	7	8	9
M666	NV4	4a	M 2927	0-70	29	10	61	2.5	1.8	12.1	19.8
			2928	-150	26	11	63	7.0	6.2	15.0	23.8
			2929	-200				5.0			
M667	V3	4a	M 2930	0-70	34	9	57	5.0	3.6	7.5	13.1
			2931	-140	22	15	63	5.0	5.1	19.5	30.9
			2932	-200				3.4			
M668	NV3	6a	M 2933	0-70	26	23	51	4.7	3.8	8.2	16.1
			2934	-135	31	14	55	3.0	3.7	20.9	38.0
			2935	-200				4.5			
M669	NV4	6a	M 2936	0-70	24	18	58	4.0	3.4	11.2	19.3
			2937	-140	23	19	58	4.7	4.2	19.3	33.2
			2938	-200				6.0			
M670	NV4	4a	M 2939	0-70	19	18	63	4.0	2.9	9.7	15.4
			2940	-140	18	17	65	3.3	3.1	16.9	26.0
			2941	-200				4.8			
M671	NV3	4a	M 2942	0-70	24	13	63	4.5	4.1	11.9	18.8
			2943	-140	23	12	65	7.0	7.0	12.6	19.3
			2944	-210				-			
			2945	-270				7.3			
			2946	-312				2.9			
M672	V4	6a	M 2947	0-70	27	12	61	2.5	3.1	8.5	14.0
			2948	-130	18	12	70	3.8	4.5	23.8	34.0
			2949	-200				7.3			
M673	NV3	6as	M 2950	0-70	29	15	56	8.0	6.5	9.5	17.0
			2951	-140	26	14	60	8.5	6.9	16.1	26.8
			2952	-200				8.5			
M674	NV3	6a	M 2953	0-70	34	10	56	4.4	3.2	10.7	19.1
			2954	-140	18	17	65	3.8	4.4	20.2	31.0
			2955	-200				8.0			
M675	NV4	4a	M 2956	0-70	27	12	61	2.8	2.2	11.3	18.5
			2957	-135	23	14	63	8.3	8.5	16.9	26.8
			2958	-200				8.7			
M676	NV4	6a	M 2959	0-70	27	12	61	2.8	2.2	11.3	18.5
			2960	-135	22	15	63	4.5	4.8	20.6	32.6
			2961	-200				6.0			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100g	E.S.P.		
				Depth cms	Sand 2.0-0.02	Silt 2.02-0.002mm					Clay 0.002mm V	
1	2		3	4	5a	5b	5c	6	7	8	9	
M677	NV4	4a	M 2962	0-70	27	12	61	2.0	1.6	11.8	19.3	
			2963	-140	18	9	73	6.0	6.9	16.1	22.0	
			2964	-200				6.5				
M678	NV4	4a	M 2965	0-70	22	15	63	4.1	3.9	10.7	16.9	
			2966	-135	18	12	70	5.0	4.7	20.3	29.0	
			2967	-170				5.7				
M679	NV4	4a	M 2968	0-70	22	15	63	3.2	2.7	11.2	19.4	
			2969	-140	23	12	65	6.0	6.3	15.9	24.4	
			2970	-200				6.5				
M680	NV4	6a	M 2971	0-70	27	12	61	3.0	2.6	12.5	24.6	
			2972	-140				5.5				
			2973	-200				7.0				
M681	NV3	6a	M 2974	0-70	37	12	51	4.7	4.5	10.8	21.1	
			2975	-140				1.8				
			2976	-200				7.0				
M682	NV4	4a	M 2977	0-70	32	12	56	2.7	2.4	10.8	19.3	
			2978	-135	21	11	68	6.0	5.7	16.9	24.8	
			2979	-200				6.2				
M683	NV4	4a	M 2980	0-70	32	12	56	2.9	2.9	11.0	18.1	
			2981	-130				6.2				
			2982	-200				5.7				
M684	NV3	4a	M 2983	0-70	22	20	58	4.5	4.1	10.3	17.7	
			2984	-140	18	17	65	5.5	6.0	15.2	23.3	
			2985	-200				6.8				
M685	NV4	4a	M 2986	0-70	24	13	63	2.0	1.6	11.6	18.4	
			2987	-140	18	12	70	5.8	7.2	16.3	23.2	
			2988	-200				6.5				
M686	NV3	6as	M 2989	0-70	22	20	58	7.0	7.5	9.8	16.9	
			2990	-140	18	24	58	6.1	5.9	18.7	32.2	
			2991	-200				5.2				
M687	NV3	4a	M 2992	0-70	24	18	58	5.0	5.4	9.2	15.8	
			2993	-140	23	17	16	3.6	3.7	16.7	27.8	
			2994	-200				5.3				
M688	NV3	4a	M 2995	0-70	22	17	61	4.5	4.0	12.4	20.3	
			2996	-140	18	17	65	7.2	5.9	13.7	21.0	
			2997	-200				7.0				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Mechanical Analysis			E.C.: mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100g	E.S.P.	
				Depth cms	Sand 2.0-0.02	Silt 2.02-0.002mm					Clay V 0.002mm
1	2	3	4	5a	5b	5c	6	7	8	9	
M689	NV3	4a	M 2998	0-70	24	14	62	5.1	5.6	11.6	18.7
			2999	-140	23	12	65	5.2	4.0	17.2	26.4
			3000	-200				5.0			
M690	NV3	6as	M 3001	0-70	16	20	64	6.2	7.1	10.3	17.6
			3002	-140	26	14	60	6.7	6.7	15.1	25.1
			3003	-200				6.0			
M691	V4	6a	M 3004	0-70	34	15	51	0.9	0.8	5.5	10.7
			3005	-140	33	12	55	1.5	1.1	19.3	35.0
			3006	-200				1.4			
M692	V4	3a	M 3007	0-70	27	15	58	1.1	0.9	0.6	14.8
			3008	-140	21	16	63	1.3	0.9	12.2	19.3
			3009	-200				0.9			
M693	NV2	6a	M 3010	0-70	44	13	43	0.8	0.6	8.1	18.8
			3011	-140				0.8			
			3012	-200				0.7			
M694	NV3	6as	M 3013	0-70	37	10	53	4.5	4.0	12.6	23.8
			3014	-140				8.5			
			3015	-200				8.0			
M695	NV3	6a	M 3016	0-70	24	15	61	4.4	3.6	13.2	21.6
			3017	-140				7.0			
			3018	-200				7.8			
M696	NV3	4a	M 3019	0-70	32	10	58	4.2	3.2	9.8	16.9
			3020	-140	22	15	63	7.0	5.6	17.9	28.4
			3021	-200				8.0			
M697	NV3	6a	M 3022	0-70	32	15	53	5.0	4.3	9.9	18.7
			3023	-140	26	11	63	4.5	4.3	20.3	32.2
			3024	-200				8.0			
M698	V4	3a	M 3025	0-70	27	15	58	0.7	0.6	7.7	13.3
			3026	-140	28	12	60	1.8	1.1	12.0	20.0
			3027	-200				1.2			
M699	NV3	4a	M 3028	0-70	32	17	51	5.0	3.7	9.1	17.9
			3029	-140	28	12	60	4.0	4.1	13.7	22.8
			3030	-200				1.8			
M700	V4	3a	M 3031	0-70	32	12	56	0.6	0.6	8.1	14.4
			3032	-140	26	11	63	1.4	1.5	12.4	19.6
			3033	-200				1.7			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.F.
					Sand 2.0-0.02	Silt 2.02-0.002mm	Clay v 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
M701	NV3	4a	M 3034	0-70	24	18	58	4.7	4.1	11.5	19.9
			3035	-140	26	19	55	8.0	6.6	15.6	28.3
			3036	-200				7.0			
M702	NV2	6a	M 3037	0-70	46	10	44	4.2	3.4	11.8	26.8
			3038	-140				7.2			
			3039	-200				7.0			
M703	NV2	6a	M 3040	0-70	39	15	46	0.6	0.6	9.1	19.8
			3041	-140				0.9			
			3042	-200				0.9			
M704	NV2	6a	M 3043	0-70	39	13	48	1.1	0.7	12.3	25.6
			3044	-140				0.9			
			3045	-200				0.6			
M705	NV4	4a	M 3046	0-70	32	12	56	2.4	2.0	10.6	18.9
			3047	-140	26	11	63	6.8	5.2	17.4	27.6
			3048	-200				6.7			
M706	V3	4a	M 3049	0-70	27	17	56	5.5	5.3	7.7	13.7
			3050	-140	26	14	60	7.5	7.9	16.7	27.8
			3051	-200				7.8			
M707	NV4	4a	M 3052	0-70	28	9	63	1.8	1.7	10.9	17.3
			3053	-140	26	14	60	5.3	5.3	12.5	20.8
			3054	-200				5.7			
M708	NV4	3a	M 3055	0-70	36	11	53	2.1	1.9	8.1	15.4
			3056	-140	25	12	63	4.2	4.5	14.2	22.5
			3057	-200				6.0			
M709	NV2	6a	M 3058	0-70	48	9	43	0.6	0.7	7.6	17.7
			3059	-140				0.8			
			3060	-200				0.7			
M710	NV3	6a	M 3061	0-70	31	9	60	4.5	3.8	14.2	23.6
			3062	-140				5.7			
			3063	-200				8.0			
M711	NV3	6a	M 3064	0-70	31	9	60	5.5	5.8	11.2	18.7
			3065	-140	28	12	60	7.0	6.8	21.5	35.8
			3066	-200				3.0			
M712	NV3	6as	M 3067	0-70	26	11	63	6.0	5.2	14.2	22.5
			3068	-140				8.0			
			3069	-200				2.5			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100 g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 2.02-0.002mm	Clay V 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
M713	NV4	6a	M 3070 3071 3072	0-70 -140 -200	28	17	55	2.4 6.8 6.8	1.8	13.1	23.9
M714	NV4	6a	M 3073 3074 3075	0-70 -140 -200	38	4	58	3.6 6.4 3.4	3.0	13.0	22.4
M715	V4	2	M 3076 3077 3078	0-70 -140 -200	28 21	9 16	63 63	0.5 1.1 0.8	0.4 1.0	3.5 11.2	5.5 17.7
M716	V4	3a	M 3079 3080 3081	0-70 -140 -200	26 20	9 12	65 68	2.1 3.5 2.3	1.7 2.8	9.6 12.9	14.8 18.9
M717	NV4	6a	M 3082-3 3084-5 3086-7	0-45 -115 -170	36	14	50	0.8 7.1 6.8	0.6	12.6	25.3
M718	NV3	6as	M 3088 3089 3090	0-70 -140 -200	23 25	12 15	65 60	6.0 7.5 7.8	6.0 4.2	12.8 18.0	19.6 30.0
M719	NV4	6a	M 3091 3092 3093	0-70 -140 -200	38	12	50	3.8 4.8 6.8	3.8	11.6	23.2
M720	NV3	4a	M 3094 3095 3096	0-70 -140 -200	31 23	9 12	60 65	4.9 5.8 7.1	4.9 4.7	9.3 16.7	15.6 25.6
M721	NV4	6a	M 3097 3098 3099	0-70 -140 -200	36	6	58	4.2 4.6 7.8	3.2	13.8	23.8
M722	NV3	6a	M 3100 3101 3102	0-70 -140 -200	26 28	14 14	60 58	5.9 8.0 3.8	5.2 9.8	9.3 18.5	15.5 31.8
M723	NV4	6a	M 3103 3104 3105	0-70 -140 -200	36	9	55	3.2 6.0 7.8	2.6	14.4	26.2
M724	NV3	6a	M 3106 3107 3108	0-70 -140 -200	38	7	55	5.0 3.3 3.1	3.7	11.3	25.1

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 2.02-0.002mm	Clay ∇ 0.002mm				
1	2		3	4	5a	5b	5c	6	7	8	9
M725	NV3	6as	M 3109	0-70	36	9	55	7.5	7.2	9.2	16.8
			3110	-140	18	17	65	3.0	3.9	18.7	28.7
			3111	-200				3.6			
M726	NV3	6a	M 3112	0-70	36	9	53	5.2	4.2	10.7	22.8
			3113	-140				3.6			
			3114	-200				6.1			
M727	NV3	6a	M 3115	0-70	28	9	63	4.7	4.5	13.5	21.4
			3116	-140				5.1			
			3117	-200				3.6			
M728	NV3	6a	M 3118	0-70	38	7	55	5.3	4.4	12.0	21.7
			3119	-140				5.2			
			3120	-200				2.7			
M729	NV3	6a	M 3121	0-70	28	14	58	5.2	4.6	11.0	18.9
			3122	-140	23	16	61	4.5	4.8	18.7	30.6
			3123	-200				6.8			
M730	V4	3a	M 3124	0-70	43	4	53	0.8	0.7	7.8	14.7
			3125	-140	22	12	66	2.1	1.7	13.1	19.8
			3126	-200				1.5			
M731	NV3	6as	M 3127	0-70	33	12	55	6.0	4.7	11.0	20.0
			3128	-140	25	15	60	7.5	7.4	17.2	28.6
			3129	-200				3.8			
M732	V3	4a	M 3130	0-70	23	17	60	5.7	4.8	7.7	12.8
			3131	-140	30	20	50	3.8	3.3	13.2	26.4
			3132	-200				3.2			
M733	V3	3s	M 3133	0-70	26	11	63	4.3	3.2	8.6	13.6
			3134	-140				2.4			
			3135	-200				1.9			
M734	NV3	6as	M 3136	0-70	21	14	65	6.2	6.3	12.0	18.5
			3137	-140	18	16	66	8.0	7.4	21.8	33.0
			3138	-200				2.7			
M735	NV3	4a	M 3139	0-70	26	11	63	4.2	3.2	12.6	19.9
			3140	-140	13	14	73	6.5	4.9	18.1	24.7
			3141	-200				6.5			
M736	NV4	4a	M 3142	0-70	18	9	73	0.6	0.5	11.7	16.0
			3143	-140	20	11	69	2.0	1.7	19.5	28.2
			3144	-200				4.0			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol.Na meq.per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 2.02-0.002mm	Clay 0.002mm V				
1	2		3	4	5a	5b	5c	6	7	8	9
M737	NV2	6a	M 3145 3146 3147	0-70 -140 -200	43	9	48	2.7 6.5 2.8	2.1	7.7	16.1
M738	NV4	4a	M 3148 3149 3150	0-70 -140 -200	23	9	68	2.6 6.0 7.0	2.3	12.0	17.6
M739	V4	2	M 3151 3152 3153	0-70 -140 -200	26	9	65	2.7 5.0 6.0	2.1	8.2	12.6
M740	NV4	6a	M 3154 3155 3156	0-70 -140 -200	26	9	65	2.7 6.1 4.5	2.2	13.7	21.2
M741	NV4	4a	M 3157 3158 3159	0-70 -140 -200	26 22	11 13	63 65	3.0 6.2 6.0	2.7 5.7	12.3 16.5	19.6 25.3
M742	NV4	4a	M 3160 3161 3162	0-70 -140 -200	28 25	12 15	60 60	3.2 5.8 3.8	2.5 5.3	11.4 14.7	19.0 24.5
M743	NV2	6a	M 3163 3164 3165	0-70 -140 -200	46	9	45	2.5 5.5 2.3	1.9	7.4	16.4
M744	NV4	4a	M 3166 3167 3168	0-70 -140 -200	26 9	9 22	65 69	3.7 5.5 3.2	2.6 4.4	11.7 13.9	18.0 20.1
M745	NV4	4a	M 3169 3170 3171	0-70 -140 -200	26 23	14 14	60 63	2.4 5.0 5.0	1.7 4.4	9.5 16.8	15.8 26.6
M746	V4	2	M 3172 3173 3174	0-70 -140 -200	38 30	9 15	53 55	1.2 2.2 1.5	1.1 1.9	5.9 8.5	11.1 15.4
M747	NV3	6a	M 3175 3176 3177	0-70 -140 -200	33	14	53	4.5 3.3 6.0	3.3	11.3	21.3
M748	V2	3s1	M 3178 3179 3180	0-70 -140 -200	38	19	43	5.8 7.8 8.5	1.1	1.7	3.9

TABLE NO. 3.3.

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100 g	Exch. Na. meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 2.02-0.002mm	Clay 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
M749	NV3	4a	M 3181	0-70	33	9	58	4.5	4.4	10.2	17.6
			3182	-140	22	15	63	6.5	5.2	17.4	27.6
			3183	-200				6.0			
M750	NV4	4a	M 3184	0-70	28	12	60	2.8	2.2	10.6	17.7
			3185	-140	23	14	63	5.3	3.8	17.4	27.6
			3186	-200				6.5			
M751	NV3	6a	M 3187	0-70	31	9	60	4.5	5.0	9.8	16.3
			3188	-140	23	12	65	4.3	3.9	20.0	30.7
			3189	-200				3.2			
M752	NV4	4a	M 3190	0-70	31	11	58	4.0	2.9	9.2	15.9
			3191	-140	23	14	63	6.7	5.3	16.5	26.1
			3192	-200				6.1			
M753	NV4	6a	M 3193	0-70	29	8	63	1.4	1.2	13.5	21.4
			3194	-140				4.0			
			3195	-200				6.5			
M754	NV4	4a	M 3196	0-70	28	8	64	0.9	0.7	11.5	17.9
			3197	-140	20	12	68	6.1	4.5	17.7	26.0
			3198	-200				6.9			
M755	NV4	6a	M 3199	0-70	33	10	57	1.9	1.3	10.9	19.1
			3200	-140	23	14	63	4.1	3.7	17.5	27.7
			3201	-200				6.5			
M756	NV4	6as	M 3202-3	0-36	29	19	52	2.2	1.6	12.0	23.1
			3204-5	-115				8.5			
			3206-7	-132				8.0			
M757	NV4	4a	M 3208	0-70	38	5	57	2.2	1.7	10.4	18.1
			3209	-140	20	12	68	6.0	4.4	17.4	25.5
			3210	-200				2.0			
M758	NV3	4a	M 3211	0-70	28	10	62	4.6	3.7	13.3	21.5
			3212	-140				6.0			
			3213	-200				8.2			
M759	NV3	6as	M 3214	0-70	36	10	54	6.6	5.3	9.7	17.9
			3215	-140	25	17	58	4.0	4.2	22.6	38.9
			3216	-200				4.0			
M760	NV4	4a	M 3217	0-70	33	8	59	4.2	3.1	10.5	17.9
			3218	-140	20	15	65	7.8	6.6	16.9	26.0
			3219	-200				7.3			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.	
					Sand 2.0-0.02	Silt 2.02-0.002mm	Clay 0.002mm V					
1	2	3	4	5a	5b	5c	6	7	8	9		
M761	NV4	4a	M 3220	0-70	28	10	62	4.2	3.2	11.7	18.9	
			3221	-140	20	15	65	7.2	6.0	16.6	25.5	
			3222	-200				7.2				
M762	NV4	6a	M 3223	0-70	38	10	52	4.2	3.1	12.2	23.5	
			3224	-140				2.5				
			3225	-200				2.2				
M763	NV3	6a	M 3226	0-70	31	12	57	4.7	4.2	8.7	18.5	
			3227	-140	25	15	60	4.0	3.9	18.3	30.5	
			3228	-200				2.1				
M764	NV3	6a	M 3229	0-70	33	10	57	5.0	4.8	11.7	20.6	
			3230	-140				3.0				
			3231	-200				2.4				
M765	V4	3s	M 3232-4	0-45	28	13	59	0.6	0.5	3.9	6.6	
			3235-7	-120				8.0				
			3238-	-200				8.5				
			40									
M766	NV4	6a	M 3241	0-70	36	12	52	3.4	2.5	9.5	18.3	
			3242	-140	25	15	60	3.2	2.7	17.9	29.8	
			3243	-200				1.8				
M767	NV3	6as	M 3244	0-70	58	3	39	6.2	5.9	10.6	27.1	
			3245	-140				4.2				
			3246	-200				7.8				
M768	V4	3a	M 3247	0-70	41	10	49	0.7	0.7	6.4	13.1	
			3248	-140	27	15	58	2.4	1.5	9.9	17.0	
			3249	-200				1.5				
M769	NV3	4a	M 3250	0-70	31	7	62	4.8	4.7	12.3	19.9	
			3251	-140	23	14	63	7.2	5.1	17.5	27.7	
			3252	-200				6.2				
M770	NV4	4a	M 3253	0-70	33	8	59	3.7	3.2	9.8	16.6	
			3254	-140	20	15	65	6.0	4.3	17.9	27.5	
			3255	-200				6.8				
M771	NV4	4a	M 3256	0-70	24	12	64	2.9	2.4	11.4	17.8	
			3257	-140	20	12	68	4.5	4.3	16.9	24.8	
			3258	-200				6.7				
M772	NV4	4a	M 3259	0-70	26	15	59	3.5	2.6	10.9	18.4	
			3260	-140	18	17	65	6.2	5.2	15.2	23.3	
			3261	-200				6.0				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100 g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 2.02-0.002mm	Clay V 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
M773	NV4	6a	M 3262 3263 3264	0-70 -140 -200	23	13	64	3.4 6.0 4.7	3.0	13.4	21.0
M774	NV4	4a	M 3265-6 3268-70 3271-3	0-33 -112 -156	31	14	55	0.6 4.2 5.0	0.6	8.8	16.1
M775	NV4	6a	M 3280-2 3283-5 3286-8	0-38 -110 -158	34	16	50	0.5 5.0 4.0	0.5	11.2	21.0
M776	NV4	4a	M 3289-91 3292-4 3295-7	0-42 -126 -200	31	17	52	0.5 2.1 5.8	0.6	9.5	18.2
M777	NV4	4a	M 3298- 3300 3301 3304-6	0-40 -85 -170	38	7	55	0.6 6.0 6.5	0.6	10.5	19.1
M778	NV4	4a	M 3274 3275 3276	0-70 -140 -200	31 18	7 14	62 68	2.0 6.0 6.2	2.0 4.5	11.6 15.1	18.7 22.2
M779	V4	3a	M 3277 3278 3279	0-70 -140 -200	31 18	7 14	62 68	1.8 5.4 6.0	1.7 4.2	9.4 14.9	15.1 21.9
M780	NV4	4a	M 3307 3308 3309	0-70 -135 -200	23 19	13 13	64 68	1.9 5.5 6.0	1.8 4.3	12.1 16.1	18.9 23.6
M781	NV4	4a	M 3310 3311 3312	0-70 -140 -200	23 19	13 13	64 68	1.8 4.6 6.4	1.4 3.6	12.7 16.8	19.9 24.7
M782	NV4	4a	M 3313 3314 3315	0-70 -135 -200	23 24	15 11	62 65	0.8 3.7 5.7	0.8 3.1	12.0 18.3	19.4 28.1
M783	NV4	4a	M 3316 3317 3318	0-70 -135 -200	33	13	54	1.6 6.0 3.2	1.3	10.8	20.1
M784	NV3	4a	M 3319 3320 3321	0-70 -135 -200	26 19	12 17	62 64	4.5 7.5 7.2	3.6 5.5	12.4 17.5	20.0 27.3

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100 g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 2.02-0.002mm	Clay 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
M785	NV4	6a	M 3322	0-70	23	15	62	3.4	3.0	13.0	21.0
			3323	-135				6.5			
			3324	-200				6.0			
M786	NV4	4a	M 3325	0-70	31	10	59	2.4	2.0	10.5	17.9
			3326	-140	25	12	63	5.8			
			3327	-200				7.0			
			3328	-285				2.4			
M787	V4	3a	M 3329	0-70	26	10	64	1.2	1.0	8.2	12.9
			3330	-140	20	15	65	6.0			
			3331	-200				5.2			
M788	V4	3a	M 3332	0-70	24	9	67	1.1	1.0	9.4	14.0
			3333	-140	18	12	70	4.2			
			3334	-200				4.0			
M789	NV4	4a	M 3335	0-70	29	9	62	1.4	1.0	10.7	17.3
			3336	-135	20	15	65	4.5			
			3337	-200				2.7			
M790	NV4	4a	M 3338	0-70	29	9	62	1.0	0.9	11.3	18.3
			3339	-140	19	13	68	6.5			
			3340	-200				7.0			
M791	V4	3a	M 3341	0-65	29	9	62	3.0	2.2	8.1	13.1
			3342	-135	20	15	65	4.5			
			3343	-200				6.0			
M792	NV4	6a	M 3344	0-65	29	9	62	2.2	1.8	11.4	18.4
			3345	-145	25	12	63	6.0			
			3346	-200				5.5			
M793	NV4	4a	M 3347	0-65	29	9	62	1.9	1.8	10.4	16.8
			3348	-135	17	13	70	4.5			
			3349	-200				6.0			
M794	NV4	6a	M 3350	0-75	31	10	59	1.9	1.4	12.5	21.2
			3351	-128				6.0			
			3352	-200				5.5			
M795	NV4	4a	M 3353	0-70	31	10	59	1.8	1.4	10.9	18.4
			3354	-140	19	13	68	3.8			
			3355	-200				4.2			
M796	NV4	4a	M 3356	0-75	29	7	64	1.0	0.9	11.2	17.5
			3357	-135	22	10	68	4.0			
			3358	-170				4.4			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100 g	Exch. Na. meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 2.02-0.002mm	Clay 0.002mm V				
1	2	3	4	5a	5b	5c	6	7	8	9	
M797	NV4	4a	M 3359	0-75	29	14	57	1.8	1.5	9.6	16.9
			3360	-140	28	9	63	5.0	3.7	14.1	22.3
			3361	-200				3.2			
M798	NV4	6a	M 3362	0-70	31	7	62	1.3	1.2	13.0	21.0
			3363	-135				5.0			
			3364	-200				6.0			
M799	NV4	4a	M 3365	0-70	24	19	57	1.2	0.9	11.9	20.9
			3366	-135				6.7			
			3367	-200				6.5			
M800	NV4	4a	M 3368	0-70	29	9	62	0.8	0.6	11.8	19.1
			3369	-135	23	12	65	5.2	4.0	15.6	24.0
			3370	-200				6.0			
M801	NV4	4a	M 3371	0-70	24	12	64	1.9	1.8	12.0	18.8
			3372	-140	19	14	67	5.2	4.2	16.2	24.1
			3373	-200				6.0			
M802	NV4	4a	M 3374	0-70	31	12	57	0.6	0.4	9.3	16.3
			3375	-140	24	12	64	4.0	3.1	12.1	18.9
			3376	-200				3.6			
M803	NV4	6a	M 3377	0-65	24	17	59	0.9	0.8	12.7	21.5
			3378	-135				5.5			
			3379	-200				4.3			
M804	NV4	6a	M 3380	0-70	21	15	64	1.6	1.5	14.8	23.1
			3381	-130				5.9			
			3382	-200				5.1			
M805	NV4	4a	M 3383	0-70	24	14	62	3.0	3.0	12.6	20.3
			3384	-140				6.0			
			3385	-200				4.2			
M806	NV4	6a	M 3386	0-70	29	14	57	2.8	2.4	12.0	21.1
			3387	-150				5.9			
			3388	-200				6.5			
M807	NV4	4a	M 3389	0-70	26	12	62	3.0	2.4	11.8	19.0
			3390	-140	27	6	67	6.0	4.1	16.5	24.6
			3391	-200				6.1			
M808	NV4	4a	M 3392	0-70	19	17	64	2.4	2.1	11.6	18.1
			3393	-140	22	13	65	4.5	2.9	16.7	25.6
			3394	-200				6.0			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.	
				Depth cms	Sand 2.0-0.02	Silt 2.02-0.002mm					Clay 0.002mm
1	2	3	4	5a	5b	5c	6	7	8	9	
M833	NV4	4a	M 3467	0-70	37	10	53	0.7	0.5	9.2	17.3
			3468	-140	29	14	57	2.0	2.0	14.5	25.4
			3469	-200				1.6			
M834	NV3	6a	M 3470	0-70	32	7	59	4.5	3.5	13.3	22.5
			3471	-140				6.3			
			3472	-200				6.5			
M835	NV4	4a	M 3473	0-70	32	12	56	2.6	2.2	11.6	20.8
			3474	-140				4.5			
			3475	-200				6.2			
M836	NV4	6a	M 3476	0-70	37	10	53	1.3	1.0	12.6	23.9
			3477	-140				2.6			
			3478	-200				2.1			
M837	NV4	4a	M 3479	0-70	32	10	58	2.8	2.5	12.1	20.9
			3480	-140				5.2			
			3481	-200				7.5			
M838	NV4	6a	M 3482	0-70	39	10	51	2.1	1.5	11.9	23.3
			3483	-140				1.6			
			3484	-200				1.1			
M839	NV3	6as	M 3485	0-70	39	10	51	6.0	5.5	10.1	13.8
			3486	-140	23	20	57	2.6	3.8	19.7	34.5
			3487	-200				2.4			
			3488	-270				2.1			
M840	NV3	6as	M 3489	0-75	29	10	61	6.2	5.2	12.1	19.9
			3490	-140	19	17	64	7.5	6.9	19.3	30.1
			3491	-200				3.1			
M841	NV3	6as	M 3492	0-70	34	15	51	6.8	5.1	10.5	20.6
			3493	-140				2.6			
			3494	-200				2.3			
M842	NV4	6a	M 3495	0-70	39	10	51	1.6	1.5	15.9	31.2
			3496	-140				1.7			
			3497	-200				1.6			
M843	NV3	6as	M 3498	0-70	27	12	61	6.0	5.8	13.2	21.6
			3499	-140				3.0			
			3500	-200				3.4			
M844	NV3	6as	M 3501	0-70	32	12	56	4.6	3.6	9.6	17.1
			3502	-140	22	16	62	8.0	8.8	17.4	28.0
			3503	-200				9.0			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100 g	Exch. Na. meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 2.02-0.002mm	Clay 0.002mm				
1	2		3	4	5a	5b	5c	6	7	8	9
M821	NV3	4a	M 3431	0-70	29	9	62	4.5	4.9	12.1	19.5
			3432	-140	27	9	64	5.5	6.8	15.0	23.4
			3433	-200				6.0			
M822	NV3	6a	M 3434	0-70	22	12	66	4.5	4.4	15.3	22.8
			3435	-200	24			6.2			
M823	NV3	6a	M 3437	0-70	31	10	59	4.7	4.6	14.8	25.1
			3438	-140				7.0			
			3439	-200				5.8			
M824	NV3	4a	M 3440	0-70	31	15	54	5.8	5.2	10.7	19.9
			3441	-140	29	13	58	6.0	6.1	14.3	24.6
			3442	-200				6.2			
M825	NV4	6a	M 3443	0-70	34	12	54	2.3	2.0	12.5	23.3
			3444	-140				4.1			
			3445	-200				4.5			
M826	NV3	6a	M 3446	0-70	29	17	54	5.5	5.1	9.9	18.3
			3447	-140	32	9	59	5.0	6.1	18.5	31.3
			3448	-200				6.5			
M827	NV3	6as	M 3349	0-70	34	12	54	6.2	7.0	16.5	30.6
			3450	-140				7.0			
			3451	-200				6.7			
M828	NV3	6a	M 3452	0-70	26	10	64	4.5	3.5	13.5	21.1
			3453	-140				4.5			
			3454	-200				3.3			
M829	NV3	6a	M 3455	0-70	29	20	61	4.5	3.7	10.8	17.7
			3456	-140	27	9	64	7.0	6.7	19.0	29.6
			3457	-200				7.2			
M830	NV3	6a	M 3458	0-70	26	12	62	4.7	3.9	13.1	21.1
			3459	-140				7.2			
			3460	-200				7.2			
M831	NV4	4a	M 3461	0-70	31	12	57	1.1	1.0	10.2	17.7
			3462	-140	19	17	64	5.0	4.8	14.8	23.1
			3463	-200				6.0			
M832	NV4	4a	M 3464	0-70	27	9	64	3.2	2.6	11.6	18.1
			3465	-140	22	14	64	6.0	5.5	13.6	21.2
			3466	-200				6.5			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 2.02-0.002mm	Clay V 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
M809	V4	3a	M 3395	0-70	24	9	67	0.6	0.5	9.6	13.5
			3396	-140			4.5				
			3397	-200			5.0				
M810	NV4	4a	M 3398	0-70	26	12	62	2.2	2.0	11.8	19.1
			3399	-135	19	17	64	4.5			
			3400	-200			6.3				
M811	NV3	4a	M 3401	0-70	26	7	67	5.0	5.2	12.2	18.2
			3402	-140	22	13	65	6.0			
			3403	-200			6.5				
M812	NV4	4a	M 3404	0-70	24	9	67	1.7	1.5	11.0	17.9
			3405	-140	22	13	65	5.3			
			3406	-200			6.5				
M813	NV4	4a	M 3407	0-70	29	9	62	3.9	4.0	12.5	20.2
			3408	-140			4.6				
			3409	-200			6.9				
M814	NV4	6a	M 3410	0-70	26	12	62	2.5	2.4	13.1	21.2
			3411	-135			6.8				
			3412	-200			6.2				
M815	NV4	4a	M 3413	0-70	26	10	64	0.7	0.6	10.4	16.3
			3414	-140	24	9	67	3.8			
			3415	-200			5.7				
M816	NV4	4a	M 3416	0-70	26	12	62	1.9	1.7	9.9	15.9
			3417	-140			3.5				
			3418	-200			4.5				
M817	NV4	6a	M 3419	0-70	21	12	67	3.6	3.7	13.6	23.9
			3420	-140			6.7				
			3421	-200			7.2				
M818	V4	2	M 3422	0-70	26	12	62	0.9	0.8	6.3	11.1
			3423	-140	19	17	64	2.8			
			3424	-200			1.9				
M819	NV4	4a	M 3425	0-70	29	9	62	3.6	3.8	10.5	17.0
			3426	-140	22	19	59	2.4			
			3427	-200			1.8				
M820	NV4	6a	M 3428	0-70	34	15	51	3.0	2.7	10.8	21.1
			3429	-140			4.2				
			3430	-200			5.6				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			F.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 2.02-0.002mm	Clay 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
M845	NV4	4a	M 3504	0-70	42	5	53	1.7	1.2	8.8	16.6
			3505	-140	27	17	56	1.7	1.0	11.2	20.0
			3506	-200				1.2			
M846	NV4	6a	M 3507	0-70	37	10	53	1.8	1.5	12.3	23.3
			3508	-135				6.0			
			3509	-200				3.1			
M847	V4	2	M 3510	0-70	22	12	66	1.0	0.7	9.6	14.6
			3511	-140	19	17	64	2.8	2.2	9.1	14.2
			3512	-200				2.1			
M848	NV4	4a	M 3513	0-70	32	7	61	2.4	1.6	10.6	17.4
			3514	-140	22	16	62	5.4	4.6	11.1	17.9
			3515	-200				7.1			
M849	V4	3a	M 3516	0-70	27	10	63	4.4	3.2	9.1	14.5
			3517	-140	18	8	74	4.5	4.5	13.8	18.6
			3518	-200				7.0			
M850	V4	3a	M 3519	0-70	32	4	64	4.0	3.2	9.0	14.1
			3520	-140	17	14	69	6.0	4.2	12.3	17.8
			3521	-200				7.0			
M851	NV4	4a	M 3522	0-70	27	10	63	1.9	1.3	11.6	18.4
			3523	-140	21	14	65	5.3	4.3	11.8	18.1
			3524	-200				6.5			
M852	NV4	3a	M 3525	0-70	29	10	61	3.4	2.3	9.4	15.5
			3526	-140	21	14	65	5.4	3.5	12.2	18.7
			3627	-200				3.7			
M853	NV4	4a	M 3528	0-70	27	15	58	1.4	1.1	9.7	16.7
			3529	-140	22	16	62	6.2	5.1	12.1	19.5
			3530	-200				5.8			
M854	NV4	4a	M 3531	0-70	27	9	64	3.9	2.7	12.3	19.2
			3532	-140	22	9	69	5.5	4.4	14.3	20.7
			3533	-200				5.2			
M855	NV4	4a	M 3534	0-70	24	13	63	3.4	2.5	10.4	16.5
			3535	-140	19	14	67	6.9	5.8	13.8	20.5
			3536	-200				6.9			
M856	V4	3a	M 3537	0-70	27	9	64	3.3	2.2	9.8	15.3
			3538	-140	22	14	64	6.1	5.1	12.1	18.9
			3539	-200				4.0			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.	
				Depth cms	Sand 2.0-0.02	Silt 0.02-0.002mm					Clay 0.002mm V
1	2	3	4	5a	5b	5c	6	7	8	9	
M857	NV4	4a	M 3540 3541 3542	0-70 -140 -200	37	7	56	0.9 5.0 6.5	0.6	11.6	20.7
M858	NV4	4a	M 3543 3544 3545	0-70 -140 -200	32	7	61	4.2 4.6 6.8	3.1	12.5	20.5
M859	NV4	4a	M 3546 3547 3548	0-70 -140 -200	34 29	10 14	56 57	3.4 4.0 5.5	2.4 4.1	10.6 13.7	18.8 24.0
M860	NV4	6a	M 3549 3550 3551	0-70 -140 -200	37	5	58	2.5 7.5 6.0	2.0	12.2	21.0
M861	NV4	4a	M 3552 3553 3554	0-70 -140 -200	22 17	12 13	66 70	0.9 4.0 5.5	0.6 3.6	10.6 10.3	16.1 14.7
M862	NV4	4a	M 3555 3556 3557	0-70 -140 -200	22	10	68	3.1 4.5 1.2	2.5	13.9	20.6
M863	NV4	4a	M 3558 3559 3560	0-70 -140 -200	24 22	10 14	66 64	1.3 6.3 7.0	0.8 4.8	10.7 13.5	16.2 21.0
M864	NV4	4a	M 3561 3562 3563	0-70 -140 -200	24 22	10 12	66 66	0.6 4.7 6.6	0.3 3.9	12.2 13.3	18.5 20.1
M865	NV4	4a	M 3564 3565 3566	0-70 -140 -200	32	10	58	0.6 6.0 7.5	0.5	11.9	20.6
M866	NV4	4a	M 3567 3568 3569	0-70 -140 -200	32 29	4 12	64 59	0.6 2.5 4.0	0.4 1.4	10.4 12.5	16.3 21.1
M867	NV4	4a	M 3570 3571 3572	0-70 -140 -200	32 27	7 13	61 60	1.0 6.0 5.0	1.0 3.5	10.2 13.0	16.8 21.6
M868	NV4	6a	M 3573 3574 3575	0-70 -140 -200	39	8	53	2.8 4.0 2.6	2.2	13.2	25.0

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002 mm	Clay ∇ 0.002mm				
1	2		3	4	5a	5b	5c	6	7	8	9
M869	NV4	4a	M 3576	0-70	34	5	61	1.6	1.2	11.7	19.2
			3577	-140	24	14	62	5.5	4.2	12.7	20.4
			3578	-200				5.7			
M870	NV4	4a	M 3579	0-70	29	7	64	1.0	0.7	13.3	20.8
			3580	-140				6.0			
			3581	-200				5.7			
M887	NV4	6a	M 3709	0-7	36	12	52	0.6	0.5	11.4	22.0
			3711	-12				5.0			
			3713	-160				6.7			
			3714	-200				3.6			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002 mm	Clay v 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
R405	E	41	R 1686	0-40	60	10	30	0.65	0.19	1.21	4.0
			1687	-95	29	12	59	5.3	2.60	7.6	12.9
			1688	-135				7.0			
R408	V4	3a	R 1695	0-75	23	9	68	0.72	0.5	10.5	15.4
			1696	-145	22	9	69	2.3	1.5	12.5	18.1
R409	V4	3a	R 1697	0-30	18	9	73	0.54	0.33	7.47	10.2
			1698	-130	22	10	68	1.9	1.30	13.9	20.4
			1699	-185				4.5			
R410	V4	3a	R 1700	0-75	20	10	70	0.7	0.52	10.28	14.6
			1701	-140	24	8	68	5.8	4.70	11.30	16.7
			1702	-200				6.1			
R411	NV4	4a	R 1703	0-85	38	7	55	0.78	0.48	9.65	17.5
			1704	-175	32	14	54	1.6	0.90	11.70	21.6
R412	V4	3a	R 1705	0-40	38	7	55	0.62	0.35	6.45	11.7
			1706	-135	28	12	60	6.8	5.10	13.10	21.8
			1707	-185				7.2			
R413	V4	3a	R 1708	0-50	28	12	60	0.8	0.50	8.7	14.5
			1709	-145	27	10	63	6.5	4.90	13.3	21.1
			1710	-200				7.0			
R414	V4	3a	R 1711	0-70	33	9	58	0.55	0.33	7.47	12.8
			1712	-200	32	8	60	3.0	1.90	11.10	18.5
R415	V4	3a	R 1713	0-30	30	10	60	0.52	0.26	5.64	9.4
			1714	-125	31	11	58	0.75	0.40	10.0	17.2
			1715	-180				5.5			
R416	V4	3a	R 1716	0-45	30	10	60	0.59	0.4	7.6	12.6
			1717	-115	37	7	56	1.05	0.4	13.60	24.3
			1718	-200				5.0			
R417	V4	2	R 1719	0-85	33	7	60	0.6	0.36	8.14	13.5
			1720	-150	29	11	60	6.0	5.00	11.60	19.3
R418	NV4	4a	R 1721	0-75	30	10	60	1.14	0.5	11.0	18.3
			1722	-155	29	9	62	5.2	4.60	13.6	22.0
			1723	-200				6.5			
R419	V4	6a	R 1724	0-35	35	10	55	0.7	0.35	8.35	15.1
			1725	-90	37	9	54	5.2	3.50	14.90	28.6
			1726	-155				4.75			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			F.C. mmhos/cm at 25°C	Sol. Na meq. per 100 g	E.S.P.	
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay ∇ 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
R420	NV4	6a	R 1727	0-50	33	9	58	3.8	2.5	13.1	22.4
			1728	-105	27	18	55	7.2	5.8	16.20	29.4
			1729	-200				5.0			
R421	NV4	4a	R 1730	0-70	33	4	63	1.2	0.7	11.8	18.7
			1731	-145	24	13	63	7.0	6.2	15.5	24.6
			1732	-170				7.2			
R422	NV4	6a	R 1733	0-30	38	9	53	0.65	0.5	9.3	17.5
			1734	-85	32	13	55	5.5	4.1	15.1	27.4
			1735	-150				5.5			
R423	NV4	4a	R 1736	0-80	30	7	63	0.89	0.7	12.2	19.3
			1737	-155	27	12	61	6.2	4.8	14.4	23.6
			1738	-200				1.4			
R424	NV3	6s	R 1739	0-75	30	12	58	6.5	6.0	9.5	16.3
			1740	-160	24	13	63	5.25	5.3	12.9	20.5
			1741	-200				6.75			
R425	NV4	4a	R 1742	0-85	30	7	63	0.72	0.6	10.9	17.3
			1743	-140	29	11	60	7.2	6.3	15.4	25.7
			1744	-200				7.5			
R426	NV4	4a	R 1745	0-75	25	10	65	1.0	0.92	11.98	18.4
			1746	-140	29	8	63	6.0	6.70	15.00	23.8
			1747	-165				7.2			
R427	NV4	4a	R 1748	0-85	28	9	63	3.6	3.4	10.9	17.3
			1749	-145	28	9	63	7.5	6.7	15.3	24.3
			1750	-200				7.0			
R428	NV4	4a	R 1751	0-70	35	12	53	1.9	1.5	9.0	16.9
			1752	-140	32	13	55	6.0	4.8	12.6	22.9
R429	NV4	4a	R 1753	0-80	20	15	65	1.1	0.78	13.12	20.3
			1754	-140	24	11	65	5.8	4.40	15.20	23.4
			1755	-185				8.0			
R430	NV4	4a	R 1756	0-80	25	7	68	1.25	1.2	11.7	17.2
			1757	-125	19	18	63	6.2	4.7	16.8	26.7
R431	NV4	4a	R 1758	0-90	28	9	63	0.75	0.44	12.05	19.1
			1759	-160	24	16	60	7.1	5.30	17.20	28.6
			1760	-200				8.0			
R432	V4	2	R 1761	0-90	28	9	63	0.88	0.65	8.95	14.2
			1762	-165	27	8	65	5.5	4.00	15.20	23.4
			1763	-200				6.75			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002mm V				
1	2	3	4	5a	5b	5c	6	7	8	9	
R433	V4	2	R 1764	0-85	28	9	63	0.88	0.55	9.55	15.1
			1765	-155	25	14	61	4.2	3.00	14.80	24.3
			1766	-200				6.0			
R434	V4	3a	R 1767	0-35	28	9	63	0.64	0.43	7.27	11.5
			1768	-95	29	11	60	1.6	0.70	11.90	19.8
			1769	-185				6.0			
R435	V4	2	R 1770	0-100	28	9	63	1.0	0.7	9.3	14.8
			1771	-150	24	15	61	6.5	5.1	12.3	20.2
			1772	-200				6.3			
R436	V4	2	R 1773	0-85	33	9	58	0.77	0.5	7.5	12.9
			1774	-140	27	15	58	6.0	4.5	10.3	17.8
R437	V4	2	R 1775	0-80	28	9	63	0.64	0.43	8.47	13.4
			1776	-170	24	12	64	6.0	3.90	17.10	26.8
			1777	-200				3.8			
R438	NV4	4a	R 1778	0-100	35	7	58	0.68	0.50	9.90	17.1
			1779	-180	32	8	60	6.0	4.50	13.70	22.8
R439	NV4	4a	R 1780	0-90	33	9	58	0.62	0.47	9.5	16.3
			1781	-170	29	10	61	5.8	4.10	12.5	20.5
			1782	-200				6.2			
R440	NV4	4a	R 1783	0-85	30	10	60	0.9	0.62	10.0	16.6
			1784	-165	27	10	63	7.0	4.60	14.2	22.2
			1785	-200				6.8			
R441	NV4	4a	R 1786	0-85	30	10	60	0.69	0.47	9.7	16.1
			1787	-160	24	13	63	6.0	4.50	14.7	23.4
			1788	-200				7.5			
R442	NV4	4a	R 1789	0-70	25	12	63	0.85	0.52	10.0	15.8
			1790	-140	24	13	63	4.0	3.20	14.2	22.6
			1791	-200				6.7			
R443	V4	3a	R 1792	0-70	33	7	60	0.7	0.56	8.14	13.5
			1793	-155	29	11	60	6.2	5.70	13.50	22.5
			1794	-200				6.8			
R444	NV4	4a	R 1795	0-80	30	7	63	0.65	0.40	10.70	16.9
			1796	-150	27	13	60	6.7	5.70	13.90	23.2
			1797	-200				7.0			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100g	Exch. Na meq. per 100 g	E.S.P.	
				Depth cms	Sand 2.0-0.02	Silt 0.02-0.002mm					Clay 0.002mm
1	2	3	4	5a	5b	5c	6	7	8	9	
R445	V4	3a	R 1798	0-75	30	10	60	0.65	0.44	7.55	12.5
			1799	-155	39	8	53	5.0	3.80	15.40	29.0
			1800	-200				6.0			
R446	V4	2	R 1801	0-90	33	12	55	1.25	0.75	6.95	12.6
			1802	-175	32	10	58	6.5	5.10	12.30	21.2
			1803	-200				6.7			
R447	V4	2	R 1804	0-80	33	9	58	0.54	0.34	7.66	13.2
			1805	-155	32	10	58	4.0	3.30	11.30	19.8
			1806	-195				6.1			
			1807	-300				6.2			
R448	V4	2	R 1808	0-90	33	9	58	0.58	0.39	6.60	11.3
			1809	-160	24	16	60	5.5	4.30	13.10	21.8
			1810	-200				6.2			
R449	V4	3a	R 1811	0-75	35	10	55	0.57	0.40	8.1	14.7
			1812	-165	35	12	53	5.5	3.60	12.9	24.4
			1813	-200				6.5			
R450	V4	3a	R 1814	0-70	35	10	55	0.5	0.36	7.44	13.5
			1815	-155	29	13	58	6.0	3.70	12.80	22.1
			1816	-200				7.0			
R451	V4	3a	R 1817	0-70	33	9	58	0.52	0.34	6.00	10.3
			1818	-160	29	13	58	3.9	2.40	12.40	21.4
			1819	-200				5.5			
R452	V4	3a	R 1820	0-70	38	9	53	0.8	0.57	6.73	12.6
			1821	-170	34	12	54	6.0	3.90	10.50	19.4
			1822	-200				6.5			
R453	V4	2	R 1823	0-80	33	9	58	0.56	0.33	5.47	9.4
			1824	-150	33	11	56	3.2	2.50	12.30	22.0
			1825	-200				2.8			
R454	V4	2	R 1826	0-105	33	9	58	0.6	0.43	7.92	13.6
			1827	-175	30	13	57	4.5	2.90	14.50	25.4
			1828	-200				6.3			
R455	V4	2	R 1829	0-90	30	7	63	0.65	0.46	9.44	14.9
			1830	-140	23	17	60	7.0	5.5	15.5	25.8
			1831	-200				6.75			
R456	NV4	4a	R 1832	0-80	25	12	63	0.58	0.35	12.65	20.0
			1833	-165	23	11	66	5.25	4.4	16.1	24.4
			1834	-200				6.0			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100g	E.S.P.
				Depth cms	Sand 2.0-0.02	Silt 0.02-0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9
R457	V4 2	R 1835	0-95	28	12	60	0.46	0.31	7.49	12.4
			-155	27	9	64	3.6	3.4	12.2	19.1
			-200				5.5			
R458	V4 2	R 1838	0-100	31	12	57	1.2	0.73	5.47	9.6
			-160	28	14	58	2.8	1.8	10.4	17.9
			-200				5.1			
R459	NV4 4a	R 1841	0-95	28	10	62	0.82	0.53	10.87	17.5
			-170	22	13	65	7.0	5.8	14.9	22.9
			-200				7.0			
R460	NV4 4a	R 1844	0-90	28	10	62	0.9	0.65	10.15	16.3
			-150	22	15	63	5.5	4.2	14.0	22.2
			-200				0.75			
R461	NV4 4a	R 1847	0-85	23	15	62	1.65	1.15	12.35	19.9
			-165	22	13	65	5.0	3.8	14.4	22.2
			-200				5.5			
R462	V4 2	R 1850	0-85	31	9	60	0.72	0.58	9.12	15.3
			-150	24	13	63	6.0	4.9	12.1	19.2
			-200				6.0			
R463	V4 2	R 1853	0-100	28	7	65	0.7	0.46	10.14	15.4
			-170	28	7	65	6.0	5.5	15.0	23.0
			-200				7.0			
R464	V4 2	R 1856	0-90	31	9	60	0.68	0.45	8.25	13.7
			-155	28	11	61	6.8	6.3	12.9	21.2
			-200				8.0			
R465	NV4 4a	R 1859	0-105	31	7	62	0.54	0.36	11.44	18.4
			-170	27	11	62	5.0	4.8	13.4	21.6
			-200				6.5			
R466	V4 2	R 1862	0-100	28	10	62	0.77	0.49	8.91	14.3
			-190	23	10	67	2.4	2.3	10.7	16.0
R467	V4 2	R 1864	0-80	36	4	60	0.64	0.42	8.38	13.9
			-190	28	11	61	4.8	4.2	11.4	18.7
R468	NV4 4a	R 1866	0-65	18	10	72	2.4	1.8	11.4	15.8
			-150	24	12	64	0.72	0.5	8.2	12.8
			-200				6.2			
R469	V4 2	R 1869	0-70	23	10	67	0.95	0.72	7.98	11.9
			-160	24	10	66	5.0	4.6	11.0	16.7
			-200				5.4			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol.Na meq. per 100 g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
R470	V4 2	R 1872	0-85	21	9	70	0.92	0.72	8.08	11.5	
			-150	19	15	66	3.4	4.9	11.6	17.6	
			-200				5.8				
R471	V4 2	R 1875	0-80	33	5	62	0.77	0.77	8.03	12.9	
			-150	24	11	65	3.3	3.1	13.4	20.6	
			-200				1.95				
R472	V4 2	R 1878	0-85	23	12	65	0.47	0.45	6.45	9.9	
			-160	19	15	66	2.8	2.7	12.5	18.9	
			-200				2.6				
R473	V4 2	R 1881	0-80	21	12	67	0.9	0.7	8.0	11.9	
			-170	17	14	69	4.2	4.0	13.8	20.0	
			-200				2.8				
R474	V4 2	R 1884	0-100	21	9	70	0.66	0.55	9.15	13.0	
			-150	22	12	66	4.0	3.3	13.2	20.0	
			-200				3.0				
R475	V4 2	R 1887	0-95	21	9	70	0.55	0.45	6.95	9.9	
			-160	22	12	66	3.0	2.3	11.6	17.6	
			-200				2.4				
R476	V4 2	R 1890	0-90	18	12	70	0.64	0.54	7.46	10.6	
			-190	19	12	69	2.1	1.5	10.7	15.5	
R477	V4 2	R 1892	0-100	21	12	67	0.55	0.42	7.88	11.7	
			-185	22	9	69	3.6	2.9	12.7	18.4	
R478	V4 2	R 1894	0-90	21	12	67	0.67	0.54	8.26	12.3	
			-175	12	12	76	3.8	3.3	12.3	16.2	
			-200				6.0				
R479	V4 2	R 1897	0-90	18	15	67	0.7	0.5	7.8	11.6	
			-170	32	12	56	5.0	4.1	13.1	23.4	
R480	V4 2	R 1899	0-90	21	12	67	0.5	0.3	5.8	8.6	
			-180	22	9	69	4.3	3.5	14.3	20.7	
R481	V4 2	R 1901	0-85	16	14	70	0.6	0.5	7.9	11.2	
			-185	22	9	69	3.7	2.7	13.8	20.0	
R482	V4 2	R 1903	0-100	21	12	67	0.5	0.4	4.8	7.2	
			-150	22	9	69	2.7	1.8	9.1	13.2	
			-195				3.0				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Erch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002mm V				
1	2	3	4	5a	5b	5c	6	7	8	9	
R483	V4	2	R 1906	0-85	28	7	65	0.6	0.4	5.3	8.1
			1907	-140	22	9	69	3.0	2.4	11.0	15.9
			1908	-180				4.4			
R484	V4	2	R 1909	0-90	23	10	67	0.6	0.5	7.4	10.9
			1910	-150	25	9	66	3.6	2.4	12.8	19.4
			1911	-200				3.6			
R485	V4	2	R 1912	0-105	25	2	73	0.8	0.6	7.3	9.9
			1913	-175	22	12	66	0.3	2.7	12.1	18.8
			1914	-200				3.0			
R486	V4	2	R 1915	0-105	21	9	70	0.6	0.6	6.3	9.0
			1916	-175	17	14	69	2.5	2.1	10.1	14.6
			1917	-200				3.0			
R487	V4	2	R 1918	0-95	18	15	67	1.0	0.7	6.4	9.5
			1919	-175	27	10	65	2.7	2.2	8.2	12.6
			1920	-200				5.2			
R488	V4	2	R 1921	0-100	23	12	65	1.1	0.79	5.81	8.6
			1922	-170	22	12	66	3.0	2.30	9.00	13.7
			1923	-200				5.2			
R489	V4	2	R 1924	0-100	18	15	67	0.55	0.39	7.01	10.4
			1925	-175	19	15	66	3.0	3.00	12.20	18.5
			1926	-200				6.0			
R490	V4	2	R 1927	0-85	18	12	70	0.52	0.40	6.5	9.2
			1928	-170	19	12	69	3.5	2.90	12.3	17.8
			1929	-200				4.6			
R491	V4	2	R 1930	0-80	16	14	70	0.49	0.34	5.16	7.3
			1931	-180	22	9	69	4.4	3.70	11.10	16.1
R492	V4	2	R 1932	0-95	18	10	72	0.42	0.30	5.6	7.7
			1933	-170	17	13	70	5.2	3.70	9.3	13.3
			1934	-200				5.8			
R493	V4	2	R 1935	0-90	18	12	70	0.75	0.45	5.45	7.7
			1936	-170	19	13	68	5.5	3.70	9.80	14.4
			1937	-200				6.1			
R494	V4	2	R 1938	0-80	23	10	67	1.35	0.95	7.35	10.9
			1939	-190	27	7	66	4.0	2.80	9.40	14.2

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100g	Exch. Na. meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002mm V				
1	2		3	4	5a	5b	5c	6	7	8	9
R495	V4 2	R 1940	0-95	21	12	67	1.15	0.83	6.97	10.4	
			1941 -175	22	13	65	3.4	2.30	9.50	14.6	
			1942 -200				5.3				
R496	V4 2	R 1943	0-80	18	12	70	0.8	0.57	6.83	9.7	
			1944 -165	23	12	65	3.3	2.20	8.70	13.4	
			1945 -200				4.8				
R497	V4 4a	R 1946	0-80	23	21	56	6.8	6.00	11.4	20.3	
			1947 -175	19	15	66	2.9	2.20	10.0	15.2	
			1948 -200				3.0				
R498	V4 2	R 1949	0-85	18	10	72	0.62	0.42	7.38	10.2	
			1950 -170	21	10	69	2.4	1.80	10.4	15.1	
			1951 -200				2.4				
R499	V4 2	R 1952	0-75	18	10	72	0.7	0.48	7.52	10.4	
			1953 -115	20	10	70	2.1	1.90	9.40	13.4	
R500	V4 2	R 1954	0-90	18	10	72	0.64	0.45	7.35	10.2	
			1955 -180	19	12	69	3.8	3.00	12.6	18.2	
			1956 -200				5.5				
R501	V4 2	R 1957	0-100	18	10	72	0.58	0.46	7.54	10.4	
			1958 -165	19	12	69	2.8	2.10	12.30	17.8	
			1959 -200				5.0				
R502	V4 2	R 1960	0-90	18	12	70	0.54	0.40	7.4	10.5	
			1961 -160	22	13	65	3.6	2.40	10.6	16.3	
			1962 -250				2.6				
			1963 -300				5.5				
R503	V4 2	R 1964	0-100	21	9	70	0.7	0.5	7.5	10.7	
			1965 -170	23	11	66	3.0	2.6	10.6	16.1	
			1966 -200				3.0				
R504	V4 2	R 1967	0-85	18	12	70	3.4	3.1	10.9	15.5	
			1968 -175	24	11	65	4.0	2.7	9.9	15.2	
			1969 -200				5.8				
R505	V4 2	R 1970	0-85	23	12	65	1.1	0.8	8.2	12.5	
			1971 -165	28	11	61	4.0	3.2	12.4	20.3	
			1972 -200				3.2				
R506	V4 2	R 1973	0-100	21	14	65	3.0	2.0	6.5	10.0	
			1974 -185	22	12	66	4.3	3.6	12.9	19.5	

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100 g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
R507	V4 2	R 1975	0-95	18	12	70	0.9	0.6	7.9	11.2	
			-180	21	10	69	3.6	3.1	9.9	14.3	
			-200				3.1				
R508	V4 2	R 1978	0-80	21	11	68	0.6	0.4	7.6	11.1	
			-175	22	9	69	3.4	2.6	10.4	15.1	
			-200				3.4				
R509	V4 2	R 1981	0-85	21	11	68	0.8	0.5	7.3	10.6	
			-160	24	10	66	2.1	1.8	11.2	17.0	
			-200				2.4				
R510	V4 2	R 1984	0-80	21	11	68	0.5	0.4	7.3	10.7	
			-160	22	9	69	2.2	2.0	12.4	18.0	
			-200				2.0				
R511	V4 2	R 1987	0-90	18	14	68	0.8	0.6	7.1	10.4	
			-185	19	11	70	3.6	2.5	12.7	18.1	
R512	V4 2	R 1989	0-85	21	9	70	0.7	0.5	6.5	9.2	
			-180	22	14	64	2.9	1.7	9.6	15.0	
			-200				3.0				
R513	V4 2	R 1992	0-95	18	12	70	0.6	0.4	7.2	10.2	
			-170	27	11	62	3.4	2.6	10.0	16.1	
			-200				3.0				
R514	V4 2	R 1995	0-95	18	14	68	0.8	0.6	8.8	12.9	
			-155	19	15	66	4.0	2.8	9.8	14.8	
			-200				5.0				
R515	V4 2	R 1998	0-85	16	11	73	0.7	0.5	6.9	9.3	
			-190	17	12	71	3.2	2.2	10.8	15.2	
R516	V4 2	R 2000	0-80	16	11	73	0.7	0.4	8.1	11.0	
			-180	19	12	69	2.9	2.4	11.5	16.7	
			-200				3.3				
R517	V4 2	R 2003	0-95	18	12	70	0.7	0.5	7.2	10.2	
			-200	22	10	68	2.9	2.3	11.6	17.1	
R518	V4 2	R 2005	0-105	23	7	70	0.7	0.5	8.0	11.4	
			-175	22	12	66	2.4	2.1	13.1	19.8	
			-200				2.2				
R519	V4 2	R 2008	0-100	23	9	68	0.9	0.7	8.0	11.8	
			-200	18	14	68	2.5	2.2	13.0	19.1	

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay v 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
R520	V4 2	R 2010	0-85	23	9	68	0.7	0.5	8.0	11.8	
			-175	22	12	66	3.0	2.3	11.6	16.1	
			-200				3.1				
R521	V4 2	R 2013	0-70	21	14	65	0.8	0.6	6.4	9.8	
			-170	26	11	63	2.8	2.2	10.4	16.5	
			-200				3.4				
R522	V4 2	R 2016	0-90	26	11	63	1.1	0.8	8.5	13.4	
			-160	24	13	63	5.2	3.9	11.7	18.6	
			-200				6.0				
R523	V4 2	R 2019	0-85	28	9	63	1.3	0.9	8.3	13.1	
			-180	24	12	64	5.0	4.5	10.7	16.7	
			-200				4.0				
R524	V4 2	R 2022	0-75	28	9	63	0.6	0.5	7.5	11.9	
			-170	24	12	64	5.7	4.9	7.3	11.4	
			-200				3.7				
R525	V2 31	R 2025	0-90	53	4	43	1.8	1.2	6.3	14.6	
			-175	29	12	59	5.5	5.0	12.4	21.0	
			-200				6.2				
R526	V4 2	R 2028	0-80	23	12	65	1.5	0.8	9.1	14.0	
			-175	27	10	63	4.5	3.7	12.4	19.7	
			-200				6.0				
R527	V4 2	R 2031	0-100	21	11	68	0.9	0.6	8.4	12.3	
			-170	22	12	66	5.0	3.7	11.9	18.1	
			-200				5.7				
R528	V4 2	R 2034	0-90	23	9	68	0.8	0.5	7.3	10.7	
			-155	27	9	64	3.4	3.1	11.7	18.3	
			-200				6.0				
R529	V4 2	R 2037	0-100	21	11	68	0.8	0.6	8.8	12.8	
			-175	18	14	68	3.2	2.8	12.8	18.8	
			-200				3.5				
R530	V4 2	R 2040	0-100	18	12	70	0.6	0.5	6.2	8.8	
			-190	19	10	71	3.2	2.3	11.6	16.3	
R531	V4 2	R 2042	0-95	21	9	70	1.1	0.8	8.4	12.0	
			-170	19	13	68	2.3	1.5	12.9	19.0	
			-200				1.8				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
R532	V4	2	R 2045	0-90	23	7	70	0.7	0.5	8.2	11.6
			2046	-170	17	10	73	3.2	2.7	11.2	15.3
			2047	-200				3.0			
R533	V4	2	R 2048	0-90	18	9	73	0.8	0.6	7.9	10.8
			2049	-175	17	12	71	2.6	1.7	10.1	14.2
			2050	-200				2.2			
R534	V4	2	R 2051	0-100	21	9	70	0.6	0.4	8.4	12.0
			2052	-165	20	14	66	2.4	2.1	11.3	17.1
			2053	-200				1.6			
R535	V4	2	R 2054	0-90	21	9	70	0.7	0.6	7.6	10.9
			2055	-160	22	10	68	2.6	2.2	10.8	15.9
			2056	-200				2.6			
R536	V4	2	R 2057	0-85	18	12	70	0.5	0.4	7.0	10.0
			2058	-170	19	10	71	2.3	1.9	12.5	17.6
			2059	-200				2.3			
R537	V4	2	R 2060	0-90	16	14	70	1.0	0.8	7.1	10.2
			2061	-175	19	8	73	1.9	1.4	10.8	14.8
R538	V4	2	R 2062	0-100	21	9	70	0.6	0.5	7.3	10.4
			2063	-160	19	13	68	2.4	2.0	11.9	17.5
			2064	-200				2.4			
R539	V4	2	R 2065	0-90	21	11	68	1.2	1.0	8.4	12.3
			2066	-160	29	12	59	2.4	1.7	11.7	19.8
			2067	-200				1.7			
R540	V4	2	R 2068	0-95	21	9	70	0.7	0.5	7.0	10.0
			2069	-165	20	12	68	3.8	3.1	11.3	16.6
			2070	-170				3.5			
R541	V4	2	R 2071	0-100	23	12	65	1.5	1.0	7.3	11.1
			2072	-140	19	12	69	3.0	2.1	11.7	17.0
R542	V4	2	R 2073	0-90	23	9	68	1.7	1.4	10.8	15.4
			2074	-170	18	13	69	2.8	2.2	14.3	20.8
			2075	-200				2.4			
R543	V4	2	R 2076	0-95	21	9	70	1.6	1.3	10.1	14.4
			2077	-180	19	12	69	3.6	3.0	12.2	17.7
			2078	-200				3.2			
R544	V4	2	R 2079	0-85	23	9	68	0.7	0.6	9.0	13.2
			2080	-170	22	10	68	6.5	4.6	10.2	15.0
			2081	-200				4.0			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			F.C. mmhos/cm at 25°C	Sol. Na. meq. per 100g	Exch. Na. meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002mm V				
1	2	3	4	5a	5b	5c	6	7	8	9	
R545	V4 2	R 2082	0-90	33	9	58	0.7	0.5	7.5	12.9	
			-160	27	13	60	4.2	3.9	12.6	21.0	
			-200				6.5				
R546	V4 2	R 2085	0-85	23	7	70	1.9	1.5	10.9	15.5	
			-150	23	16	63	4.2	4.5	15.1	24.0	
			-200				4.1				
R547	V4 2	R 2089	0-90	21	9	70	1.8	1.5	11.2	15.6	
			-170	19	15	68	4.1	3.0	11.8	17.3	
			-200				6.5				
R548	V4 2	R 2092	0-95	28	9	63	0.8	0.9	7.4	11.7	
			-160	24	13	63	3.7	2.3	13.3	21.2	
			-200				2.8				
R549	V4 2	R 2095	0-100	28	9	63	0.6	0.4	7.6	12.0	
			-180	28	11	61	3.6	2.7	16.9	27.7	
			-240				2.8				
			-300				1.8				
R550	V4 2	R 2099	0-90	23	12	65	1.2	0.9	9.4	14.4	
			-165	19	13	68	5.0	3.4	14.0	20.6	
			-200				7.0				
R551	V4 2	R 2102	0-95	20	11	69	2.0	1.6	9.7	14.0	
			-165	17	15	68	4.5	3.6	13.3	19.6	
			-200				5.8				
R552	NV4 4a	R 2105	0-90	20	11	69	2.0	1.6	11.7	16.8	
			-170	19	13	68	2.8	1.9	14.1	20.8	
			-200				2.6				
R553	NV4 4a	R 2108	0-100	17	11	72	1.1	1.6	11.8	16.3	
			-160	19	13	68	2.9	2.2	12.6	18.5	
			-200				2.6				
R554	NV4 4a	R 2111	0-90	15	11	74	1.9	1.6	11.6	15.6	
			-170	19	11	70	3.6	1.9	12.9	18.4	
			-200				3.6				
R555	V4 2	R 2114	0-100	15	11	74	1.5	1.0	10.5	14.1	
			-165	19	11	70	4.0	2.3	12.5	17.9	
			-200				4.5				
R556	V4 2	R 2117	0-90	17	14	69	0.8	0.5	8.5	12.2	
			-185	16	11	73	3.8	2.1	10.1	13.8	
			-200				3.3				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol.Na.meq.per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
R557	V4 2	R 2120	0-95	17	11	72	1.4	1.0	8.7	12.0	
			-200	17	13	70	2.1	1.5	9.3	13.3	
R558	V4 2	R 2122	0-100	15	11	74	1.4	1.1	9.9	13.3	
			-185	14	11	75	1.9	1.5	13.3	17.8	
			-200				1.6				
R559	V4 2	R 2125	0-95	17	11	72	1.1	1.0	9.8	13.5	
			-180	17	10	73	3.3	2.7	8.1	11.1	
			-200				3.5				
R560	V4 2	R 2128	0-95	15	16	69	1.8	1.3	8.8	12.8	
			-170	16	16	68	4.0	3.0	10.9	16.0	
			-200				5.0				
R561	V4 2	R 2131	0-90	22	11	67	1.1	0.8	8.9	13.2	
			-170	17	13	70	2.9	2.1	11.9	17.0	
			-200				3.4				
R562	NV4 4a	R 2134	0-100	15	11	74	2.7	2.2	11.6	15.6	
			-175	19	13	68	3.6	3.1	11.3	16.6	
			-200				3.4				
R563	NV4 4a	R 2137	0-105	20	11	69	1.9	1.5	11.3	16.3	
			-160	22	10	68	4.2	3.5	12.1	17.8	
			-200				4.4				
R564	V4 2	R 2140	0-90	17	11	72	1.1	0.8	9.7	13.4	
			-170	17	12	71	3.7	2.9	11.9	16.8	
			-200				4.0				
R565	V4 2	R 2143	0-85	17	11	72	0.9	0.6	8.5	11.7	
			-200	23	9	68	3.1	2.5	10.5	15.5	
R566	V4 2	R 2145	0-100	17	16	67	1.4	1.7	8.4	12.5	
			-170	14	12	74	3.0	2.7	12.5	16.9	
			-200				2.9				
R567	V4 2	R 2148	0-85	17	11	72	1.7	1.3	10.3	14.2	
			-165	14	13	73	2.9	2.2	12.2	16.7	
			-200				2.4				
R568	V4 2	R 2151	0-95	15	13	72	0.7	0.5	6.2	8.5	
			-190	17	12	71	2.0	1.4	9.0	12.7	
R569	V4 2	R 2153	0-105	17	14	69	1.1	0.8	7.9	11.5	
			-185	17	13	70	2.4	1.6	9.7	13.9	
			-200				2.3				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol.Na.meq.per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
R570	V4 2	R 2156	0-90	17	14	69	1.8	1.3	7.7	11.2	
			-145	17	12	71	4.2	3.1	10.8	15.2	
			-200				4.0				
R571	V4 2	R 2159	0-100	20	13	67	1.8	1.3	9.5	14.1	
			-160	23	9	68	4.1	2.8	12.0	17.7	
			-200				3.8				
R572	V4 2	R 2162	0-90	22	9	69	1.6	1.2	6.9	12.9	
			-175	14	13	73	3.8	2.9	11.5	15.8	
			-200				4.1				
R573	V4 2	R 2165	0-100	20	11	69	0.9	0.6	9.1	13.1	
			-175	17	13	70	4.2	3.1	11.3	16.2	
			-200				3.8				
R574	V4 2	R 2168	0-80	20	11	69	1.3	0.9	9.9	14.3	
			-155	19	12	69	4.6	3.0	12.6	18.3	
			-200				3.6				
R575	V4 2	R 2171	0-85	17	14	69	1.6	1.3	10.3	14.8	
			-170	19	12	69	4.5	3.4	11.4	16.5	
			-200				4.7				
R576	V4 2	R 2174	0-90	20	11	69	1.0	0.7	7.7	11.1	
			-175	17	14	69	3.4	2.5	9.7	14.1	
			-200				5.3				
R577	V4 2	R 2177	0-95	17	11	72	2.3	1.7	11.2	15.4	
			-165	17	15	68	5.0	3.8	12.7	18.7	
			-200				7.0				
R578	V4 2	R 2180	0-85	20	11	69	1.5	1.1	8.1	11.7	
			-160	12	13	75	4.4	3.6	10.3	13.7	
			-200				5.5				
R579	V4 2	R 2183	0-85	17	11	72	3.0	2.4	9.1	12.6	
			-150	12	14	74	3.6	3.1	10.8	14.6	
			-200				4.0				
R580	V4 2	R 2186	0-100	17	11	72	0.7	0.6	6.7	9.3	
			-200	18	10	72	1.8	1.3	7.4	10.3	
R581	V4 2	R 2188	0-90	15	13	72	2.7	2.3	8.1	11.2	
			-200	24	11	65	4.2	3.5	9.5	14.6	

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100g	Exch. Na. meq. per 100 g ^r	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
R582	V4 2	R 2190	0-80	20	11	69	1.3	1.1	9.0	13.0	
			-175	18	11	71	3.0	2.4	14.1	19.9	
			-200				3.5				
R583	V4 2	R 2193	0-90	17	14	69	0.6	0.5	8.0	11.5	
			-180	19	13	68	4.1	3.5	10.4	15.3	
			-200				2.9				
R584	V4 2	R 2196	0-80	17	14	69	0.8	0.5	8.0	11.5	
			-175	12	12	76	3.6	2.4	9.8	12.9	
			-200				3.6				
R585	V4 2	R 2199	0-90	17	14	69	1.2	0.9	7.8	11.2	
			-170	18	13	69	4.0	3.4	11.0	15.9	
			-200				6.0				
R586	V4 2	R 2202	0-90	17	16	67	2.8	2.3	8.5	12.6	
			-200	19	11	70	5.5	4.2	11.4	16.3	
R587	V4 2	R 2204	0-85	17	16	67	1.0	0.7	7.5	11.1	
			-155	17	11	71	3.4	2.4	9.3	13.1	
			-200				4.0				
R588	V4 2	R 2207	0-100	17	19	64	1.3	1.1	7.6	11.8	
			-200	19	12	69	4.0	3.0	11.4	16.5	
R589	V4 2	R 2209	0-100	14	12	74	1.7	1.4	10.6	14.3	
			-165	19	12	69	5.0	3.6	12.0	17.4	
			-200				4.1				
R590	V4 2	R 2212	0-95	19	19	62	1.2	1.0	6.5	10.4	
			-170	17	13	70	2.9	2.5	11.9	17.0	
			-200				2.6				
R591	NV4 6a	R 2215	0-80	17	16	67	5.2	5.6	16.0	23.8	
			-150	17	15	68	3.8	3.4	10.5	15.4	
			-200				3.4				
R592	V4 2	R 2218	0-80	17	19	64	1.6	1.2	7.8	12.2	
			-165	19	13	68	3.2	2.8	10.2	15.0	
			-200				3.3				
R593	V4 2	R 2221	0-85	19	19	62	1.6	1.1	7.4	11.9	
			-185	17	14	69	3.0	2.7	8.6	12.5	
			-200				3.8				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002mm V				
1	2	3	4	5a	5b	5c	6	7	8	9	
R594	V4	2	R 2224	0-80	17	21	62	1.0	0.8	8.2	13.1
			2225	-175	19	13	68	3.8	3.4	10.5	15.5
			2226	-200				3.8	.		
R595	V4	2	R 2227	0-80	19	17	64	1.4	1.1	7.9	12.4
			2228	-175	17	15	68	3.2	2.9	9.3	13.7
			2229	-200				3.1			
R596	V4	2	R 2230	0-90	32	6	62	2.2	1.7	7.9	12.7
			2231	-180	17	13	70	3.6	2.7	12.9	18.4
			2232	-200				5.5			
R597	V4	2	R 2233	0-80	22	19	59	1.2	0.8	7.9	13.3
			2234	-160	19	12	69	1.6	1.5	11.1	16.1
			2235	-200				1.3			
R598	V4	2	R 2236	0-90	19	19	62	0.6	0.4	6.2	10.0
			2237	-170	19	10	71	3.6	3.1	8.6	12.1
			2238	-200				2.9			
R599	V4	2	R 2239	0-100	17	19	64	1.2	1.0	9.1	14.2
			2240	-170	19	10	71	2.9	2.6	10.4	14.7
			2241	-200				4.5			
R600	V4	2	R 2242	0-85	19	19	62	1.4	1.0	6.7	10.8
			2243	-175	22	9	69	2.6	2.1	9.6	13.9
			2244	-200				2.6			
R601	V4	2	R 2245	0-80	19	17	64	1.2	0.8	7.9	12.3
			2246	-180	24	10	66	2.9	2.2	8.6	13.0
			2247	-255				3.2			
			2248	-300				3.4			
R602	V4	2	R 2249	0-80	19	14	67	1.9	1.3	9.0	13.3
			2250	-185	24	10	66	3.0	2.3	11.6	17.6
			2251	-200				3.1			
R603	V4	2	R 2252	0-100	19	17	64	1.4	1.0	8.5	13.2
			2253	-175	16	13	71	3.0	2.3	10.7	15.1
			2254	-200				3.0			
R604	V4	2	R 2255	0-105	19	14	67	1.7	1.3	8.7	13.0
			2256	-165	10	12	78	2.8	2.5	10.5	13.5
			2257	-200				5.0			
R605	V4	2	R 2258	0-80	22	16	62	2.3	1.6	9.2	14.8
			2259	-170	25	12	63	2.8	2.8	11.1	17.0
			2260	-200				5.5			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002mm V				
1	2		3	4	5a	5b	5c	6	7	8	9
R606	V4 2	R	2261	0-90	17	16	67	1.3	0.9	10.2	15.1
			2262	-175	13	19	68	2.8	2.3	11.6	17.1
			2263	-200				5.3			
R607	V4 2	R	2264	0-100	17	16	67	1.4	1.0	9.0	13.4
			2265	-170	14	17	69	2.7	2.5	11.8	17.1
			2266	-200				5.5			
R608	V4 2	R	2267	0-95	19	14	67	1.7	1.4	10.1	15.0
			2268	-175	20	11	69	3.0	2.5	13.1	19.0
			2269	-200				3.0			
R609	NV4 4a	R	2270	0-85	17	16	67	1.3	1.0	10.8	16.1
			2271	-170	17	14	69	3.6	2.7	11.2	16.2
			2272	-200				3.7			
R610	NV4 4a	R	2273	0-80	22	11	67	2.6	1.9	11.3	16.8
			2274	-175	19	15	66	4.5	3.9	11.7	17.7
			2275	-200				6.5			
R611	NV4 4a	R	2276	0-80	17	16	67	1.7	1.5	10.8	16.1
			2277	-180	32	10	58	3.6	3.5	9.5	16.4
			2278	-200				6.0			
R612	V4 2	R	2279	0-95	17	16	67	1.6	1.2	10.3	15.3
			2280	-180	19	12	69	3.1	2.8	12.0	17.4
			2281	-200				5.3			
R613	NV4 4a	R	2282	0-85	17	14	69	2.4	1.7	13.3	19.3
			2283	-150	22	14	64	1.2	0.8	7.9	12.3
			2284	-200				7.0			
R614	NV4 4a	R	2285	0-80	17	16	67	2.2	1.7	12.4	18.5
			2286	-140	19	12	69	3.2	3.0	14.2	20.3
			2287	-200				6.0			
R615	V4 2	R	2288	0-45	14	17	69	0.7	0.4	8.9	12.9
			2289	-150	16	13	71	2.6	2.6	10.4	14.7
			2290	-200				3.2			
R616	NV4 4a	R	2291	0-80	14	14	72	2.1	1.7	14.2	19.7
			2292	-150	23	9	68	4.0	4.6	15.8	23.2
			2293	-200				6.8			
R617	NV4 4a	R	2294	0-85	19	14	67	1.4	1.1	11.9	17.7
			2295	-200	21	10	69	1.3	2.3	14.9	21.6

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100 g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002mm v				
1	2		3	4	5a	5b	5c	6	7	8	9
R618	V4 2	R	2296	0-100	17	14	69	3.7	2.4	9.8	14.2
			2297	-175	33	11	56	2.2	4.2	13.6	24.3
			2298	-200				5.1			
R619	NV4 4a	R	2299	0-85	19	14	67	2.0	1.5	12.1	18.0
			2300	-170	22	12	66	3.4	3.3	14.1	21.4
			2301	-200				3.2			
R620	V4 2	R	2302	0-95	17	16	67	2.4	1.6	8.8	13.1
			2303	-165	22	12	66	3.6	3.2	9.0	13.7
			2304	-200				2.8			
R621	V4 2	R	2305	0-90	17	14	69	1.0	0.9	9.1	13.2
			2306	-160	10	9	81	2.8	2.5	12.2	15.1
			2307	-200				2.5			
R622	V4 2	R	2308	0-85	14	12	74	0.9	0.7	9.7	13.1
			2309	-185	2	13	85	1.8	2.1	13.5	15.9
			2310	-200				1.5			
R623	V4 2	R	2311	0-95	14	14	72	0.6	0.4	8.1	11.1
			2312	-160	23	6	71	1.6	1.4	12.5	17.6
			2313	-200				2.2			
R624	V4 2	R	2314	0-80	19	17	64	0.7	0.5	7.3	11.4
			2315	-200	21	13	66	1.8	0.4	10.5	15.9
R625	V4 2	R	2316	0-80	17	16	67	0.7	0.5	9.1	13.6
			2317	-175	22	12	66	2.9	2.7	12.1	18.3
			2318	-200				3.0			
R626	NV4 4a	R	2319	0-80	19	14	67	0.6	0.5	10.6	15.8
			2320	-155	27	8	65	4.1	3.7	13.5	20.8
			2321	-200				6.5			
R627	V4 2	R	2322	0-85	17	19	64	1.0	0.7	9.0	14.0
			2323	-175	22	7	69	3.4	3.2	11.2	16.2
			2324	-200				2.1			
R628	V4 2	R	2325	0-85	17	14	69	0.9	0.7	10.1	14.6
			2326	-150	19	12	69	3.1	2.7	10.4	15.1
			2327	-200				2.6			
R629	V4 2	R	2328	0-90	19	14	67	0.9	0.8	9.1	13.6
			2329	-160	21	10	69	3.8	3.3	9.8	14.2
			2330	-200				3.2			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			F.C. mmhos/cm at 25°C	Sol. Na. meq. per 100g	Exch. Na. meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
R630	V4 2	R 2331	0-85	19	17	64	1.4	1.1	8.9	13.9	
			-180	20	12	68	2.5	2.0	11.1	16.3	
			-200				2.3				
R631	V4 2	R 2334	0-100	18	14	68	1.7	1.5	9.8	14.4	
			-160	19	12	69	3.0	2.9	11.5	16.7	
			-200				5.5				
R632	V4 2	R 2337	0-90	12	17	71	1.2	1.0	9.9	13.9	
			-175	21	10	69	2.7	2.8	11.3	16.4	
			-200				2.5				
R633	V4 2	R 2340	0-85	18	14	68	1.0	0.8	9.1	13.3	
			-175	19	11	70	2.3	2.6	10.5	15.0	
			-200				1.8				
R634	V4 2	R 2343	0-90	21	13	66	0.6	0.4	7.2	10.9	
			-180	18	13	69	2.4	2.4	8.5	12.3	
			-200				2.1				
R635	V4 2	R 2346	0-105	18	16	66	0.9	0.7	7.0	10.6	
			-165	19	12	69	2.4	2.2	8.7	12.6	
			-200				1.8				
R636	V4 2	R 2349	0-95	18	16	66	0.6	0.4	5.9	8.9	
			-155	22	19	69	2.4	2.0	8.0	11.6	
			-200				2.3				
R637	V4 2	R 2352	0-105	18	16	66	1.0	0.6	5.3	8.0	
			-175	19	12	69	3.6	2.8	7.6	11.0	
			-200				2.6				
R638	V4 2	R 2355	0-100	18	16	66	0.5	0.3	5.4	8.1	
			-200	17	12	71	2.4	2.0	6.7	9.4	
R639	V4 2	R 2357	0-100	16	13	71	1.1	0.8	7.5	10.5	
			-200	14	15	71	3.6	3.5	8.7	12.3	
R640	V4 2	R 2359	0-80	23	9	66	0.7	0.4	5.3	7.9	
			-165	21	13	66	2.7	2.5	9.2	13.9	
			-200				3.4				
R641	V4 2	R 2362	0-85	16	16	68	0.7	0.5	8.2	12.0	
			-170	19	12	69	4.1	3.8	10.6	15.4	
			-200				3.4				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
R642	V4	2	R 2365	0-90	16	16	68	0.5	0.4	6.4	9.4
			2366	-175	19	14	67	2.2	2.2	10.8	16.1
			2367	-200				5.2			
R643	V4	2	R 2368	0-100	16	13	71	0.5	0.5	7.8	11.0
			2369	-170	17	13	70	2.2	2.0	10.6	15.2
			2370	-200				3.3			
R644	V4	2	R 2371	0-90	18	11	71	1.2	0.9	7.8	10.9
			2372	-180	19	12	69	2.3	2.3	9.0	13.0
R645	V4	2	R 2373	0-80	16	16	68	0.7	0.5	8.2	12.0
			2374	-170	19	12	69	3.1	2.6	9.6	13.9
			2375	-200				3.2			
R646	V4	2	R 2376	0-95	18	11	71	0.9	0.7	6.6	9.2
			2377	-200	14	4	82	2.5	2.0	9.3	11.3
R647	V4	2	R 2378	0-85	28	6	66	1.2	0.9	6.4	9.6
			2379	-175	19	12	69	3.2	2.8	8.5	12.3
			2380	-200				2.4			
R648	V4	2	R 2381	0-80	16	13	71	0.6	0.6	7.0	9.9
			2382	-165	29	13	58	3.1	2.5	10.6	18.3
			2383	-200				3.3			
R649	V4	2	R 2384	0-90	18	14	68	0.6	0.4	7.4	10.8
			2385	-175	22	11	67	2.7	2.7	9.5	14.2
			2386	-200				2.1			
R650	V4	2	R 2387	0-105	18	14	68	0.5	0.5	6.8	10.0
			2388	-170	19	12	69	2.2	2.3	10.3	14.9
			2389	-200				1.9			
R651	V4	2	R 2390	0-80	21	13	66	0.5	0.5	7.3	11.0
			2391	-175	25	12	63	1.4	1.6	9.2	14.6
			2392	-200				1.7			
R652	V4	2	R 2393	0-90	21	13	66	0.5	0.4	7.6	11.5
			2394	-160	25	9	66	1.1	1.3	10.9	16.5
			2395	-200				2.2			
R653	V4	2	R 2396	0-100	18	14	68	0.8	0.7	8.0	11.7
			2397	-175	19	18	63	2.6	2.4	9.8	15.6
			2398	-240				2.4			
			2399	-300				2.2			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol.Na.meq.per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002mm v				
1	2		3	4	5a	5b	5c	6	7	8	9
R654	V4 2	R 2400	0-95	16	16	68	1.1	0.6	7.4	10.8	
			-180	22	7	71	1.9	1.8	7.8	11.0	
R655	V4 2	R 2402	0-100	21	13	66	0.9	0.6	6.7	10.1	
		2403	-175	18	9	73	2.3	2.4	7.6	10.4	
		2404	-200				1.8				
R656	V4 2	R 2405	0-95	18	14	68	0.8	0.4	7.9	11.6	
		2406	-170	20	12	68	2.4	2.0	8.4	12.4	
		2407	-200				2.4				
R657	V4 2	R 2408	0-95	16	16	68	0.7	0.5	7.2	10.6	
		2409	-200	15	14	71	2.6	2.2	10.0	14.1	
R658	V4 2	R 2410	0-105	16	16	68	1.6	1.3	9.3	13.6	
		2411	-175	22	10	68	2.4	2.1	9.6	14.1	
		2412	-200				3.5				
R659	V4 2	R 2413	0-95	16	16	68	1.4	1.1	8.5	12.5	
		2414	-180	20	12	68	2.2	1.4	9.9	14.6	
		2415	-200				1.8				
R660	V4 2	R 2416	0-100	18	16	66	1.7	1.5	9.0	13.6	
		2417	-170	18	13	68	3.2	2.3	9.9	14.6	
		2418	-200				4.5				
R661	V4 2	R 2419	0-105	18	14	68	1.3	1.0	10.2	15.0	
		2420	-170	15	14	71	2.1	1.4	9.5	13.4	
		2421	-200				1.9				
R662	V4 2	R 2422	0-90	18	14	68	0.5	0.3	6.3	9.2	
		2423	-190	18	11	71	1.5	0.9	10.4	14.6	
R663	V4 2	R 2424	0-100	16	13	71	0.6	0.5	7.1	9.9	
		2425	-175	14	13	73	2.0	1.3	9.1	12.5	
		2426	-200				2.6				
R664	V4 2	R 2427	0-90	26	11	63	0.8	0.5	6.1	9.6	
		2428	-165	20	14	66	2.6	1.8	9.5	14.4	
		2429	-200				4.5				
R665	V4 2	R 2430	0-95	18	16	66	0.8	0.6	8.1	12.2	
		2431	-175	20	12	68	2.8	1.5	9.8	14.4	
		2432	-200				2.5				
R666	V4 2	R 2433	0-95	18	14	68	0.7	0.5	7.1	10.4	
		2434	-170	18	11	71	2.1	1.4	10.8	15.2	
		2435	-200				2.2				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			F.C. mmhos/cm at 25°C	Sol.Na.meq.per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
R667	V4 2	R 2436	0-100	18	16	66	1.0	0.7	8.2	12.3	
			-175	15	14	71	2.0	1.2	10.1	14.2	
			-200				2.0				
R668	V4 2	R 2439	0-90	18	14	68	0.9	0.9	9.1	13.4	
			-180	15	12	73	2.3	1.5	11.6	15.9	
			-200				2.6				
R669	V4 2	R 2442	0-90	18	16	66	1.2	1.0	8.1	12.2	
			-170	19	13	68	2.8	2.1	11.4	16.8	
			-200				2.8				
R670	V4 2	R 2445	0-80	16	13	71	0.5	0.4	5.7	8.0	
			-160	18	14	68	0.8	0.5	7.3	10.7	
			-200				0.9				
R671	V4 2	R 2448	0-90	18	17	65	0.8	0.6	7.7	11.8	
			-175	18	11	71	2.7	1.8	10.8	15.2	
			-200				3.3				
R672	V4 2	R 2451	0-100	17	18	65	2.0	1.6	8.0	12.3	
			-170	18	11	71	3.0	2.3	9.9	13.9	
			-200				2.4				
R673	V4 2	R 2454	0-95	20	13	67	1.6	1.2	8.6	12.8	
			-175	20	12	68	3.0	2.0	10.2	15.0	
			-200				2.6				
R674	V4 2	R 2457	0-90	17	16	67	1.1	1.0	8.8	13.0	
			-175	18	14	68	3.2	2.4	11.1	16.3	
			-200				3.2				
R675	V4 2	R 2460	0-95	17	18	65	2.4	2.0	5.3	8.1	
			-170	15	14	71	3.6	2.8	9.4	13.2	
			-200				2.8				
R676	V4 2	R 2463	0-90	17	18	65	1.4	1.3	7.3	11.3	
			-165	20	9	71	2.3	1.8	9.5	13.4	
			-200				2.4				
R677	V4 2	R 2466	0-90	17	16	67	1.3	0.8	9.0	13.4	
			-185	18	16	66	3.8	2.8	10.3	15.6	
R678	V4 2	R 2468	0-100	17	18	65	1.0	0.8	7.9	12.1	
			-150	13	21	66	1.5	1.4	9.0	13.6	
			-200				1.4				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			F.C. mmhos/cm at 25°C	Sol.Na.meq.per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
R679	V4 2	R 2471 2472	0-90	20	13	67	0.9	0.6	8.0	12.0	
			-200	25	9	66	2.0	1.5	9.8	14.9	
R680	V4 2	R 2473 2474 2475	0-105	23	15	62	1.0	0.9	7.6	12.2	
			-180	13	21	66	1.6	1.4	11.7	17.7	
			-200				1.8				
R681	V4 2	R 2476 2477 2478	0-95								
			-175	20	12	68	3.2	2.5	8.8	12.9	
							3.2				
R682	V4 2	R 2479 2480 2481	0-90	17	16	67	1.0	0.7	8.2	12.1	
			-175	19	13	68	2.0	1.6	8.0	11.8	
			-200				2.0				
R683	V4 2	R 2482 2483 2484	0-100	20	15	65	1.6	1.3	7.0	10.8	
			-170	20	12	68	2.4	2.0	8.4	12.4	
			-200				5.0				
R684	V4 2	R 2485 2486	0-90	20	15	65	0.8	0.7	7.3	11.2	
			-200	23	11	66	3.0	1.8	9.5	14.4	
R685	V4 2	R 2487 2488 2489	0-85	20	13	67	0.9	0.7	7.3	10.6	
			-175	23	11	66	2.8	2.2	9.2	13.9	
			-200				2.6				
R686	V4 2	R 2490 2491 2492	0-90	23	12	65	0.5	0.5	6.5	10.0	
			-170	20	12	68	2.3	1.7	9.2	13.5	
			-200				2.4				
R687	V4 2	R 2493 2494 2495	0-100	20	15	65	1.1	0.8	7.2	11.0	
			-175	23	11	66	2.6	2.0	10.2	15.4	
			-200				2.4				
R688	V4 2	R 2496 2497 2498	0-100	20	13	67	0.6	0.5	7.2	10.7	
			-165	20	12	68	4.6	3.1	9.1	13.4	
			-200				4.6				
R689	V4 2	R 2499 2500 2501	0-95	20	15	65	0.6	0.4	6.8	10.5	
			-165	22	10	68	2.0	1.3	10.4	15.3	
			-200				2.6				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100 g	Exch. Na. meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002mm v				
1	2	3	4	5a	5b	5c	6	7	8	9	
R721	V3 6a	R 2597	0-50	36	8	56	4.5	4.4	5.3	9.45	
			-110	26	17	57	7.1	7.0	17.6	30.8	
			-200				8.1				
R722	V3 3a	R 2600	0-65	34	7	59	4.7	3.8	7.0	11.8	
			-115	24	13	63	5.4	5.2	16.0	25.3	
			-160				4.0				
			-200				3.0				
R723	NV4 4a	R 2604	0-80	23	13	64	2.8	2.5	11.2	17.5	
			-145	21	17	62	5.0	5.2	16.0	25.3	
			-200				5.9				
R724	V4 3a	R 2607	0-55	31	12	57	4.0	3.8	6.8	11.9	
			-150	26	13	61	4.2	4.6	15.8	25.9	
			-200				2.5				
R725	NV4 4a	R 2610	0-75	23	13	64	2.1	1.6	12.4	19.4	
			-165	26	9	65	5.2	4.9	16.3	25.0	
			-200				2.6				
R726	NV4 4a	R 2613	0-70	31	12	57	3.2	2.6	9.2	16.1	
			-145	21	17	62	6.0	7.1	16.4	26.4	
			-200				6.9				
R727	NV4 6a	R 2616	0-65	33	13	54	2.3	1.9	9.7	18.0	
			-150	26	17	57	2.2	3.6	19.0	33.3	
			-200				1.7				
R728	NV4 4a	R 2619	0-60	23	10	67	2.2	2.1	11.1	17.6	
			-155	22	13	65	6.3	6.9	16.1	24.7	
			-200				7.0				
R729	V3 3a	R 2622	0-65	23	15	62	4.5	4.2	8.4	13.5	
			-145	27	11	62	6.6	6.1	15.7	25.3	
			-200				6.7				
R730	NV4 6a	R 2625	0-60	32	15	53	3.4	3.1	13.7	25.8	
			-150				2.0				
			-200				3.6				
R731	NV4 4a	R 2628	0-65	26	12	62	1.5	1.5	10.9	17.7	
			-155	21	19	60	6.0	5.5	12.8	21.3	
			-200				4.8				
R732	V4 3a	R 2631	0-70	26	12	62	3.0	2.9	8.7	14.0	
			-155	24	13	63	5.4	6.1	16.9	26.8	
			-200				3.0				

TABLE NO.3.3

Pit No.	Soil Class Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol.Na.meq.per 100g	Exch. Na meq. per 100g	E.S.P.
				Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9
R733	NV4 6a	R 2634 2635 2636	0-75 -155 -200	26	12	62	3.6 5.9 4.0	3.6	15.8	25.4
R734	NV4 6a	R 2637 2638 2639	0-60 -150 -200	41	10	49	3.0 9.0 4.0	2.7	11.4	23.4
R735	V4 3a	R 2640 2641 2642	0-70 -150 -200	23 22	10 17	67 61	1.7 5.3 5.8	1.4 5.5	6.8 13.2	10.1 21.6
R736	NV4 6a	R 2643 2644 2645	0-85 -140 -200	34	15	51	1.9 4.5 4.0	1.7	12.8	25.1
R737	NV3 6a	R 2646 2647 2648	0-100 -150 -200	37	12	51	5.2 2.4 2.3	5.6	16.4	32.2
R738	NV4 4a	R 2649 2650 2651	0-85 -150 -200	26 25	10 13	64 62	0.7 3.4 6.8	0.5 3.0	10.2 15.7	15.9 25.3
R739	NV4 4a	R 2652 2653 2654	0-85 -160 -200	26 22	10 10	64 66	1.8 4.0 6.3	1.7 4.5	11.0 14.2	17.5 21.5
R740	V4 3a	R 2655 2656 2657	0-65 -165 -200	26 24	10 11	64 65	3.4 5.7 7.7	2.5 5.4	9.4 15.8	14.7 24.3
R741	NV4 4a	R 2653 2659 2660	0-60 -165 -200	27	14	59	1.3 5.8 6.5	1.1	11.8	20.1
R742	NV4 4a	R 2661 2662 2663	0-70 -160 -200	32 26	15 17	53 57	1.9 7.7 6.0	1.5 6.5	9.0 13.9	17.0 24.3
R743	NV4 4a	R 2664 2665 2666	0-70 -145 -200	35 26	12 13	53 61	1.9 5.7 7.0	1.5 4.3	9.9 12.2	18.6 20.0
R744	NV4 4a	R 2667 2668 2669	0-80 -165 -200	27 21	12 16	61 63	2.3 4.2 6.0	1.8 4.3	9.6 12.2	15.8 19.3

TABLE NO. 3.3

Pit No.	Soil Class Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100g	Exch. Na meq. per 100 g	E.S.P.
				Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002mm V				
1	2	3	4	5a	5b	5c	6	7	8	9
R745	NV4 4a	R 2670	0-85	27	12	61	1.0	0.6	11.4	18.7
		2671	-165	24	15	61	4.0	2.8	14.4	23.6
		2672	-200				6.7			
R746	NV4 4a	R 2673	0-90	32	12	56	1.1	0.9	9.9	17.6
		2674	-170	25	13	62	3.8	3.0	13.5	21.7
		2675	-200				5.5			
R747	NV4 4a	R 2676	0-90	31	7	62	2.4	1.8	9.7	15.6
		2677	-160	21	17	62	7.5	4.5	15.4	24.8
		2678	-200				6.0			
R748	V4 3a	R 2679	0-33	30	11	59	0.7	0.5	8.6	14.6
		2680	-67				2.8			
		2681	-143				9.0			
		2682	-200				8.5			
R749	V4 3a	R 2683	0-60	26	10	64	1.4	1.3	8.7	13.7
		2684	-165	26	13	61	6.2	5.3	13.0	21.3
		2685	-200				7.5			
R750	V4 3a	R 2686	0-70	26	12	62	4.0	3.4	7.3	11.8
		2687	-165	24	13	63	7.9	5.7	14.9	23.6
		2688	-240				3.8			
		2689	-300				3.0			
R751	V4 3a	R 2690	0-75	30	11	59	3.9	2.9	7.2	12.3
		2691	-170	24	13	63	8.0	6.3	13.7	21.7
		2692	-200				7.7			
R752	V4 3a	R 2693	0-75	26	10	64	1.5	1.3	9.3	14.6
		2694	-155	21	13	66	5.0	4.1	17.0	25.7
		2695	-200				3.8			
R753	NV4 4a	R 2696	0-70	35	6	59	1.0	0.9	10.5	17.9
		2697	-160	26	17	57	6.4	4.6	16.6	29.1
		2698	-200				8.0			
R754	V4 3a	R 2699	0-65	28	10	62	1.3	1.2	9.3	15.0
		2700	-165	17	16	67	5.5	3.6	13.6	20.2
		2701	-200				6.7			
R755	V4 3a	R 2702	0-70	37	9	54	0.6	0.5	6.6	12.3
		2703	-165	21	17	62	5.5	3.8	14.0	22.5
		2704	-200				7.0			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100 g	Exch. Na. meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
R756	NV4	4a	R 2705	0-65	32	12	56	3.3	2.6	10.1	18.1
			2706	-160	24	13	63	5.2	3.5	16.1	25.5
			2707	-200				7.2			
R757	NV4	4a	R 2708	0-70	30	14	56	1.0	0.8	8.5	15.3
			2709	-170	24	13	63	3.1	2.1	15.1	23.9
			2710	-200				2.9			
R758	V4	3a	R 2711	0-80	25	16	59	0.8	0.6	7.1	12.0
			2712	-150	24	13	63	4.7	2.7	13.0	20.6
			2713	-200				6.3			
R759	V3	6as	R 2714	0-65	30	11	59	5.2	4.7	6.2	10.5
			2715	-160	21	13	66	9.0	7.3	18.2	27.5
			2716	-200				8.3			
R760	V4	3a	R 2717	0-70	30	14	56	3.0	2.5	8.0	14.2
			2718	-170	29	9	62	5.5	3.8	16.2	26.1
			2719	-200				7.0			
R761	NV4	4a	R 2720	0-65	35	14	51	2.7	1.9	10.1	19.9
			2721	-175	24	15	61	6.0	4.8	14.8	24.2
			2722	-200				6.5			
R762	NV4	4a	R 2723	0-70	27	14	59	2.0	1.5	10.5	17.9
			2724	-160	24	13	63	6.3	5.0	14.6	23.1
			2725	-200				3.5			
R763	NV4	4a	R 2726	0-75	32	17	51	2.3	1.8	10.6	20.9
			2727	-150				7.0			
			2728	-200				3.4			
R764	V4	6s	R 2729	0-65	27	14	59	2.6	2.0	8.5	14.5
			2730	-160				8.7			
			2731	-200				4.7			
R765	NV4	4a	R 2732	0-80	30	19	51	1.9	1.7	8.1	17.9
			2733	-175	25	10	65	4.2	2.9	15.4	23.6
			2734	-200				3.6			
R766	NV4	4a	R 2735	0-70	30	19	51	1.7	1.3	8.9	17.5
			2736	-170	36	13	51	4.9	3.2	14.6	28.6
			2737	-200				6.2			
R767	V3	3a	R 2738	0-70	27	14	59	5.0	4.2	5.7	9.7
			2739	-165	17	11	72	6.2	4.8	17.0	23.6
			2740	-200				8.0			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol.Na.meq.per 100g	Exch. Na meq. per 100 g	E.S.P.	
				Depth cms	Sand 2.0-0.02	Silt 0.02-0.002mm					Clay 0.002mm
1	2	3	4	5a	5b	5c	6	7	8	9	
R768	V4	3a	R 2741	0-70	22	14	64	2.4	1.8	7.9	12.3
			2742	-160	24	9	67	6.4	5.0	16.2	24.1
			2743	-200				3.8			
R769	V3	3a	R 2744	0-75	30	11	59	5.3	3.8	6.3	10.7
			2745	-165	20	15	65	6.0	4.9	15.5	23.8
			2746	-200				2.8			
R770	NV4	6a	R 2747	0-60	32	17	51	1.3	0.8	9.4	18.4
			2748	-170	29	9	62	7.7	5.7	18.3	29.5
			2749	-200				3.5			
R771	NV4	6a	R 2750	0-60	30	19	51	3.0	1.8	9.9	19.4
			2751	-170	27	11	62	5.5	5.2	18.4	29.6
			2752	-200				4.9			
R772	NV4	4a	R 2753	0-75	35	11	54	2.0	1.3	9.9	18.3
			2754	-165	26	13	61	4.2	3.8	16.6	27.2
			2755	-200				7.0			
R773	NV4	4a	R 2756	0-85	27	14	59	1.3	1.0	10.0	16.9
			2757	-170	24	13	63	1.3	3.9	16.1	25.5
			2758	-200				4.7			
R774	NV4	4a	R 2759	0-70	30	19	51	1.4	1.1	9.8	19.3
			2760	-170	24	9	67	6.5	4.6	13.7	20.4
			2761	-200				7.9			
R775	NV4	4a	R 2762	0-70	27	12	61	0.9	0.6	9.5	15.6
			2763	-170	24	9	67	6.5	4.2	16.2	24.1
			2764	-200				7.5			
R776	NV4	4a	R 2765	0-75	27	14	59	3.8	3.0	9.7	16.5
			2766	-170	24	13	63	8.0	5.9	13.7	21.7
			2767	-200				7.5			
R777	V4	3a	R 2768	0-65	22	14	64	2.9	2.5	6.1	9.5
			2769	-170	24	13	63	7.0	4.8	13.0	20.6
			2770	-200				7.4			
R778	V4	3a	R 2771	0-75	25	14	61	3.5	2.6	8.7	14.2
			2772	-170	21	17	62	4.9	3.1	14.7	23.7
			2773	-200				4.3			
R779	V4	4a	R 2774	0-80	27	14	59	2.4	2.2	10.7	18.1
			2775	-155	21	17	62	5.5	3.8	13.4	21.6
			2776	-200				7.1			

Pit No.	Soil Class	Land Class	Sample No.	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100g	Exch. Na. meq. per 100 g	E.S.P.	
				Depth cms	Sand 2.0-0.02	Silt 0.02-0.002mm					Clay V 0.002mm
1	2	3	4	5a	5b	5c	6	7	8	9	
R780	V4	3a	R 2777	0-75	30	11	59	1.5	1.0	7.9	13.4
			2778	-165	24	15	61	4.2	3.5	13.0	21.3
			2779	-200				5.7			
R781	V4	3a	R 2780	0-80	22	14	64	1.4	1.2	8.8	13.8
			2781	-165	19	16	65	5.0	3.7	14.1	21.6
			2782	-200				4.6			
R782	V4	2	R 2783	0-85	22	14	64	1.6	1.3	9.5	14.8
			2784	-165	17	18	65	4.5	3.8	15.8	24.3
			2785	-200				3.4			
R783	NV4	4a	R 2786	0-70	30	11	59	1.3	1.1	9.3	15.8
			2787	-175	14	14	72	6.0	4.3	16.9	23.4
			2788	-200				3.4			
R784	NV4	4a	R 2789	0-80	27	12	61	2.3	1.7	10.4	17.1
			2790	-170	24	9	67	5.5	4.2	17.6	26.2
			2791	-200				3.9			
R785	NV4	6a	R 2792	0-65	27	12	61	1.0	0.6	11.3	18.5
			2793	-170	17	11	72	5.0	4.8	19.2	26.6
			2794	-200				3.1			
R786	NV3	3s	R 2795	0-75	22	14	64	6.0	5.7	4.2	6.5
			2796	-165	20	16	64	5.1	5.0	20.4	31.8
			2797	-200				7.7			
R787	V4	3a	R 2798	0-80	27	12	61	3.9	3.3	6.4	10.4
			2799	-175	35	6	59	5.0	5.3	16.1	27.2
			2800	-200				7.5			
R788	V3	3a	R 2801	0-75	32	14	59	4.2	3.1	6.9	11.7
			2802	-170	27	14	59	4.8	4.0	17.8	30.1
			2803	-200				3.3			
R789	V4	6a	R 2804	0-65	35	11	54	3.0	2.6	7.0	13.0
			2805	-165	30	11	59	6.2	6.1	18.5	31.3
			2806	-200				4.6			
R790	V4	3as	R 2807	0-60	30	11	59	3.3	2.8	8.0	13.5
			2808	-160	12	16	72	8.0	8.0	17.4	24.1
			2809	-200				7.0			
R791	V3	3as	R 2810	0-80	42	5	53	6.2	5.2	6.6	12.5
			2811	-165	22	16	62	2.8	4.0	22.2	35.8
			2812	-200				3.7			

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol.Na.meq.per 100g	Exch. Na meq. per 100g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
R792	V4 6a	R 2813	0-65	42	7	51	2.7	2.6	7.6	14.9	
			-175	22	16	62	5.5	5.2	19.4	31.2	
			-200				8.0				
R793	V3 3s	R 2816	0-75	37	10	53	4.7	3.8	6.9	13.0	
			-170	27	11	62	8.0	6.8	10.0	16.1	
			-200				7.8				
R794	V3 3as	R 2819	0-70	39	10	51	4.7	3.9	5.9	11.6	
			-170	20	16	64	7.5	6.0	16.6	25.9	
			-200				7.0				
R795	NV4 4a	R 2822	0-95	29	10	61	1.3	1.1	9.4	15.4	
			-175	18	15	67	4.4	3.4	16.2	24.1	
			-200				7.0				
R796	NV4 4a	R 2825	0-70	32	10	58	2.2	1.8	9.0	15.5	
			-170	22	11	67	7.2	5.7	17.9	26.7	
			-200				8.0				
R797	NV4 6as	R 2828	0-65	37	10	53	2.1	1.9	10.2	19.2	
			-170	27	14	59	8.0	5.5	16.7	28.3	
			-200				7.2				
R798	V4 6a	R 2831	0-65	37	10	53	3.2	2.6	7.5	14.1	
			-170	22	16	62	4.1	3.1	20.4	32.9	
			-200				8.0				
R799	NV4 4a	R 2834	0-70	29	13	58	1.0	0.6	9.3	16.1	
			-165	27	9	64	7.0	6.2	16.4	25.6	
			-200				8.2				
R800	V4 3s	R 2837	0-65	29	10	61	3.6	2.5	8.2	13.4	
			-170				8.1				
			-245				6.8				
			-300				4.7				
R801	V3 3as	R 2841	0-65	27	15	58	4.5	4.3	6.2	10.7	
			-170	20	13	67	8.0	6.8	16.2	24.1	
			-200				8.5				
R802	NV4 4a	R 2844	0-80	34	5	61	1.7	1.5	10.3	16.9	
			-165	20	11	69	5.8	4.7	14.0	20.2	
			-200				6.8				

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol. Na. meq. per 100g	Exch. Na. meq. per 100g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
R803	NV4 4a	R 2847	0-70	24	15	61	2.0	1.5	9.4	15.5	
		2848	-175	25	8	67	7.9	5.0	16.8	25.0	
		2849	-200				8.0				
R804	NV4 6a	R 2850	0-75	32	15	53	2.8	2.0	12.1	22.8	
		2851	-160				6.1				
		2852	-200				3.8				
R805	NV4 6a	R 2853	0-70	24	18	58	2.0	1.6	12.5	21.5	
		2854	-170				5.5				
		2855	-200				4.0				
R806	NV4 4a	R 2856	0-65	27	15	58	3.4	2.2	9.8	16.9	
		2857	-165	20	13	67	7.1	5.3	16.5	24.6	
		2858	-200				7.4				
R807	NV4 4a	R 2859	0-70	27	15	58	3.6	2.6	9.8	16.9	
		2860	-165	22	13	65	6.5	4.3	15.3	23.5	
		2861	-200				5.0				
R808	NV4 4a	R 2862	0-65	37	12	51	4.0	2.8	8.6	16.8	
		2863	-170	27	11	62	6.9	4.8			
		2864	-200				3.6				
R809	NV4 6a	R 2865	0-60	37	12	51	3.7	2.7	10.2	19.9	
		2866	-165	22	14	64	3.3	2.5	21.5	33.5	
		2867	-200				3.3				
R810	V3 6a	R 2868	0-60	37	12	51	6.2	5.9	4.2	8.15	
		2869	-170	27	14	59	4.0	3.4	21.2	35.9	
		2870	-200				2.9				
R811	NV1 6a	R 2871	0-65	39	13	48	5.0	3.6	8.1	16.9	
		2872	-170	32	13	55	3.4	3.7	18.9	34.3	
		2873	-200				2.6				
R812	NV4 6as	R 2874	0-60	37	12	51	3.2	2.5	7.8	15.4	
		2875	-170	22	14	64	8.0	5.9	17.6	27.5	
		2876	-200				3.6				
R813	NV4 4a	R 2877	0-70	27	10	63	1.5	1.2	12.2	19.4	
		2878	-175	20	11	69	6.7	5.6	12.5	18.1	
		2879	-200				8.0				
R814	NV4 4a	R 2880	0-70	27	15	58	1.3	1.1	10.5	18.0	
		2881	-160	17	14	69	5.0	3.8	14.9	21.5	
		2882	-200				6.7				

TABLE NO. 3.3

Pit No.	Soil Class Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25°C	Sol.Na.meq.per 100g	Exch. Na meq. per 100g	E.S.P.
				Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9
R815	NV4 6a	R 2883 2884 2885	0-65 -165 -200	27	15	58	1.3 6.0 7.5	1.0	13.6	23.6
R816	NV4 6a	R 2886 2887 2888	0-60 -165 -200	32 27	15 14	53 59	3.2 6.5 6.8	2.2 5.5	9.2 16.7	17.3 28.3
R817	V3 6a	R 2889 2890 2891	0-65 -170 -200	29 25	15 13	56 62	4.5 4.2 7.7	3.3 3.9	7.6 18.6	13.6 30.0
R818	NV4 6a	R 2892 2893 2894	0-65 -160 -200	32 22	15 14	53 64	3.0 5.2 3.8	2.4 5.0	10.5 17.6	19.8 27.5
R819	NV1 4a	R 2895 2896 2897	0-70 -160 -200	37 26	15 12	48 62	5.0 6.5 6.2	3.8 6.2	7.3 17.3	15.3 27.9
R820	NV4 4a	R 2898 2899 2900	0-75 -165 -200	29 27	15 14	56 59	4.0 7.6 6.7	2.6 6.5	8.4 17.0	15.1 28.8
R821	V3 3a	R 2901 2902 2903	0-70 -155 -200	41 20	10 13	49 67	5.0 6.3 6.4	4.0 4.5	6.7 19.0	13.7 28.3
R822	NV3 4a	R 2904 2905 2906	0-65 -170 -200	32 22	17 14	51 64	4.7 5.7 4.2	3.2 4.8	8.8 16.4	17.3 25.6
R823	NV4 4a	R 2907 2908 2909	0-60 -165 -200	24 22	15 14	61 64	2.8 4.3 3.4	2.0 3.3	9.9 15.8	16.2 24.6
R824	V4 3a	R 2910 2911 2912	0-60 -170 -200	29 22	13 11	58 67	1.3 4.6 4.5	1.0 4.5	8.4 14.6	14.5 21.7
R825	NV2 4a	R 2913 2914 2915	0-65 -160 -200	42 22	10 11	48 67	3.0 5.5 7.5	2.1 5.1	7.3 17.1	15.3 25.5
R826	NV4 4a	R 2916 2917 2918	0-70 -170 -200	27 17	15 16	58 67	2.3 5.5 3.8	1.6 4.5	9.1 17.7	15.7 26.4

TABLE NO. 3.3

Pit No.	Soil Class	Land Class	Sample No.	Depth cms	Mechanical Analysis			E.C. mmhos/cm at 25° C	Sol.Na.meq.per 100g	Exch. Na meq. per 100 g	E.S.P.
					Sand 2.0-0.02	Silt 0.02-0.002mm	Clay V 0.002mm				
1	2	3	4	5a	5b	5c	6	7	8	9	
R827	NV4 4a	R 2919	0-70	32	15	53	4.0	2.7	8.8	16.6	
		2920	-160	29	7	64	4.8	4.7	18.8	29.3	
		2921	-200				3.4				
R828	NV4 4a	R 2922	0-65	29	13	58	2.2	1.5	10.1	17.4	
		2923	-170	22	16	69	6.2	5.4	16.4	23.7	
		2924	-200				5.8				
R829	NV3 6a	R 2925	0-65	34	13	53	5.4	3.7	9.5	17.8	
		2926	-155	25	13	62	6.5	6.0	16.6	26.7	
		2927	-200				8.0				
R830	V3 6a	R 2928	0-65	29	13	58	5.0	4.4	7.6	13.1	
		2929	-160	17	16	67	5.0	4.5	18.5	27.6	
		2930	-200				4.0				