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THE REPUBLIC OF

MINISTRY OF AG

ROSEIRES SOIL SURVEY

REPORT No. 1

GEZIRA EXTENSION AREA
SOIL SURVEY AND LAND CLASSIFICATION

VOLUME III

APPENDIX 3. LABORATORY ANALYSES OF SOIL SAMPLES

SECOND EDITION

SUPERSEDES VOLUME III ISSUED MAY 1963

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

SIR M. MACDONALD & PARTNERS
CONSULTING ENGINEERS
LION HOUSE
RED LION STREET
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OCTOBER 1964

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COMMENTS ON THE SOIL ANALYSES AND THEIR INTERPRETATION BY ROBERT SMITH D.Sc. (Agric.) Consultant in Charge of the Soil Survey.

1. ANALYTICAL DATA

The second edition of Volume III of Report No. 1 presents additional analytical data to that contained in the first edition of May 1963. This additional information completes the requirements for semi-detailed soil survey of Area 1 as described on the relevant pages of the Contract of October 1962. The analytical data is arranged in tables as follows: -

Table 1.1 contains detailed laboratory analyses of twenty sites representative of soil series. Nine of these sites were sampled in the autumn of 1963, during the second field season in the Sudan, and the additional analyses presented here complete the analytical records of the soil series named during the course of the soil survey of Area 1.

Table 1.2 which tabulates results for cation exchange capacity by three different methods shows the difficulty of obtaining satisfactory results on the Gezira clays and related soils. The method which gave the most consistent results was the summation of the four exchangeable metal ions and this method was adopted in determining the cation exchange capacity for Area 1 soils. The cation exchange capacity figures were then used, together with exchangeable sodium contents, to calculate the exchangeable sodium percentage (E.S.P.) for the major horizons of profiles sampled at series level (Table 1.1). A study of the data in Table 1.1 showed that there was a good correlation between cation exchange capacity and clay content of the soils. This agreed with the findings of Gezira workers as reported by Jewitt (1955) that the total exchangeable cation capacity of Gezira soil is about 1 milliequivalent per gram of clay. For the soil samples from representative pits and from routine auger borings, therefore, the E.S.P. was calculated from the exchangeable sodium values together with the clay content of each major horizon.

Table 1.3 contains laboratory analyses of 39 representative sites, three of which were sampled in the second field season to complete the records.

Table 1.4 containing the laboratory analyses of samples from 105 pits in sample areas, now shows the figures for pH on soil paste which were inadvertently omitted from the May 1963 edition.

Table 1.5 showing the routine laboratory analyses from 860 auger borings, now contains much additional data on mechanical composition and exchangeable sodium content of deeper horizons of soils which had been provisionally classed as arable after the first season's field work.

II INTERPRETATION

1. Soil and Land Classes

The tables of analyses show, beside the analytical data for each site, an interpretation of the soil series and land class for each soil profile examined. This interpretation is based to a large extent on the chemical and physical characteristics of the soil. The interpretation as it applies to soil classification is fully explained in Chapter 5 of Volume 1 of this report and will not be elaborated further here. The interpretation as it applies to land class, however, has undergone some change since the first edition of this report was written and it is more fully elaborated below.

2. The Land Classification System

The objective of the soil survey and land suitability classification is to assess the suitability of the lands for irrigated cultivation in general and for specific crops in particular for the purpose of delineating lands to be irrigated within the Gezira (Managil) Extension Scheme. The results of the survey are incorporated into a land suitability classification map for irrigated cultivation, classifying in broad lines according to the U.S. Bureau of Reclamation standards, but adjusted where necessary for satisfactory application under Sudan conditions.

The lands of Area 1 are a flat, level, open plain with so few trees or shrubs that clearing and development costs would be minimal. Further, the plain slopes gently and uniformly to the north and west with no enclosed basins or other areas of impeded drainage. The soils themselves are of such low permeability that no water tables have developed in the Gezira Scheme and water losses from canals there are negligible. The non-drainability of these soils does raise other problems which are mentioned below but this characteristic does eliminate the possibility of waterlogging and salinity problems resulting from water logging.

It follows from the above discussion that the project lands, having no serious limitations due to uneven topography of waterlogging, are classified largely on soils limitations. The criteria in connection with salinity, alkalinity and clay content were adopted after full discussions with the Director and officers of the Department of Agriculture's Research Division at Wad Medani. In this way the productivity records of the Gezira Scheme and of some pump projects, notably Dueim, in relation to local soil characteristics were incorporated into the land classification system which follows the general lines of the United States Bureau of Reclamation system but is adjusted where necessary for satisfactory application under Sudan conditions.

3. Clay Content as a Limiting Soils Factor

Research work in the Sudan shows that long staple cotton, the chief cash crop of the irrigated lands, yields best on soils of high clay content which do not contain limiting amounts of soluable salts or exchangeable sodium. Finck and Ochtman (1961) show that, on the Vertisol soils south of Khartoum, cotton yields are positively correlated with clay contents between 40 and 70 per cent. The actual yields shown below are from Tom's

(1960) paper on soil productivity of the Sudan Gezira as expressed by cotton yields. The basic mean yield of the Gezira Scheme is taken as 4.45 kantars per feddan of 'Lambert' cotton.

Clay Content per cent	Relative Yield per cent	Actual Yield Kantars/Feddan
70	130.6	5.81
65	117.7	5.24
60	104.9	4.67
58	100.0	4.45
50	79.2	3.52
46.4	70.0	3.12
40	53.5	2.38

The casual factor linking yields of long staple cotton to clay content has not been determined. It has been suggested, however, that the excellent crumb structure of the self mulching soils which is related to high clay content may be the factor enhancing cotton yields. In view of the fact that all soils both of low and high clay content contain appreciable exchangeable sodium, it is possible that a deterioration of soil structure occurs first in soils of lower clay content at E.S.P. levels that would not cause structural deterioration in soils of high clay content. This aspect is being further investigated by the Sudan's agricultural research workers.

4. Sodium Value as a Limiting Soils Factor

Investigations had also shown the yield of long staple cotton to be correlated inversely with the content of extractable sodium (soluble plus exchangeable) in relation to clay content of the top 3 feet (90 cm.) of soil. This relationship was then used to evaluate soils for long staple cotton production on the basis of their "sodium values" (extractable Na per 100 gram of oven dry clay in the 0-90 cm. layer) as follows: -

Sodium Value	Land Class
0-25	good
26-35	medium
over 35	bad

Finck and Ochtman (1961) considered that although the correlation between cotton yield and "sodium value" was not as good as that between cotton yield and clay content, nevertheless the sodium value had a use in excluding sodic (alkali) soils. These authors point out that if one assumes that 50 per cent of the extractable sodium is exchangeable then a sodium value of 30 would correspond to an E.S.P. of 15 which is the Internationally accepted limit for sodic (alkali) soil. Our own investigations

have shown, however, that exchangeable sodium almost always exceeds soluble sodium in Gezira type soils and that a "sodium value" of 30 would correspond to an E.S.P. of about 20. From this indirect evidence we can assume that in soils of high clay content (over 50 per cent clay) the long staple cotton can tolerate an E.S.P. somewhat in excess of 15 without suffering a serious reduction in yield.

5. Salinity as a Limiting Soils Factor

The salinity standards used in the Sudan since 1942 for the selection of cotton lands are as follows: -

(i) Good lands have less than 0.3 per cent total soluble salts.

(ii) Medium lands have less than 0.5 per cent total soluble salts.

As pointed out by Finck and Ochtman (1961) these salinity levels are rarely encountered and so land tended to be judged on "sodium value" and clay content alone.

In view of the fact that the Gezira type soils are virtually undrainable we consider that lower salinity levels than those generally used internationally may become limiting under irrigated conditions. We therefore place the salinity limits for arable lands as follows: -

Depth cm.	E.C.
0-45	less than 5.3
45-90	less than 8.0

Research work has shown that under the extensive type of irrigation practised in the Gezira, salt contents of this order tend to diminish in the top metre and to increase slightly in the second metre of soil where they do not interfere with crop yields.

6. Subsoil Salinity - Alkalinity as a Limiting Soils Factor

Investigations of unthrifty cotton crops in the Managil Extension Scheme by the Gezira Research Division show that cotton plants become unthrifty and yields suffer if the cotton roots are unable to penetrate to a full depth of 90 cm. The tendency of roots of unthrifty plants to branch off horizontally at certain depths was attributed by the investigating team to the presence of highly saline layers or to dense clays of high exchangeable sodium content in the subsoil. For this reason our specification for salinity and alkalinity limits has been extended to 90 cm.

7. The Land Classes

Specifications for land classes 2, 3, 4 and 6 are shown below. Because of limitations inherent in a non-drainable soil no land was considered eligible for Class 1 status. Some doubts have been expressed as to whether any land qualified for Class 2 or 3 status. We have taken the viewpoint,

however, that as a variety of crops are grown on similar soils in the Gezira Scheme and in the pump projects and because these have remained profitable over a comparatively long period of time with no apparent soil deterioration, we are justified in delineating Class 2 and Class 3 lands.

The specifications for the land classes are on conventional lines and can be taken as applying to all the climatically adapted crops that are likely to be grown in the Sudan. These specifications were approved by officials of the International Bank for Reconstruction and Development at meetings in Washington on 25-26th August, 1964.

In view of the discussions above we consider that land Classes 2, 3a, 3s, 3as and 4a would be suitable for a long-staple cotton rotation and these classes should show a reasonable return on investment.

Long staple cotton would probably not be profitable on Land Classes 31, 3al,3sl 3 asl and 41 and these lands could be used for other crops such as wheat, groundnuts, forage crops, pastures, forestry purposes, etc. When these soils with lower clay contents have already been canalised in the extension area, they should remain within the cotton rotation to provide further information about their yields.

LAND CLASS SPECIFICATIONS

LAND CLASS	SAMPLE DEPTH cm.	TEXTURE CLAY %	E.C.	E.S.P.
2	0-45	exceeds 50	less than 4	less than 15
	45-90	not limiting	less than 5.3	less than 15
31	0-45	35 - 50	less than 4	less than 15
	45-90	not limiting	less than 5.3	less than 15
3a	0-45	exceeds 50	less than 4	less than 15
	45-90	not limiting	less than 5.3	15-25
3s	0-45	exceeds 50	4-5.3 and/or	less than 15
	45-90	not limiting	5.3-8	less than 15
3al	0-45	35-50	less than 4	less than 15
	45-90	not limiting	less than 5.3	15-25
3sl	0-45	35-50	4-5.3 and/or	less than 15
	45-90	not limiting	5.3-8	less than 15
3as	0-45	exceeds 50	4-5.3 and/or	less than 15
	45-90	not limiting	5.3-8	15-25
3asl	0-45	35-50	4-5.3 and/or	less than 15
	45-90	not limiting	5.3-8	15-25
4a	0-45	exceeds 50	less than 5.3	15-20
	45-90	not limiting	less than 8	less than 25
41	0-45	5-35	less than 5.3	less than 15
	45-90	not limiting	less than 8	less than 20
6a	0-45	exceeds 5	less than 5.3	exceeds 15 or 20 and/or
	45-90	not limiting	less than 8	exceeds 20 or 25
6s	0-45	exceeds 5	exceeds 5.3 and/or	less than 15 or 20
	45-90	not limiting	exceeds 8	less than 20 or 25

LAND CLASS	SAMPLE DEPTH cm.	TEXTURE CLAY %	E.C.	E.S.P.
6as	0-45	exceeds 5	exceeds 5.3 and/or	exceeds 15 or 20 and/or
	45-90	not limiting	exceeds 8	exceeds 20 or 25
61	0-45	less than 5	not limiting	not limiting
	45-90	not limiting	not limiting	not limiting

Table 1.1

DETAILED LABORATORY ANALYSIS OF 20 SITES REPRESENTATIVE OF SOIL SERIES

Sample No.	Soil particles %				Incorporated carbonate %	Soil Series	Land Class	pH		Electrical Conductivity mmhos/cm. Sat. Extr.	Total nitrogen %	Total org. carbon %	Total Extractable		Soluble Anions in Sat. Extr. meq. per litre				Soluble Cations in Sat. Extr. meq. per litre				Exchangeable Cat. meq. per 100 g of Soil				+ Exchange Capacity meq./100g of soil	E.S.P.
	Depth (cm)	Sand	Silt	Clay				Soil Paste	1 : 5 Soil Suspension				Phosphate mg/ 100g of Soil	Potash mg/100 g of Soil	Carbonate	Bicarbonate	Chloride	Sulphate	Sodium	Potassium	Calcium	Magnesium	Sodium	Potassium	Calcium	Magnesium		
Site No. C 222																												
C1366	0 -84	80	5	15	5.6	E.3	6s	7.55	8.35	12.75	0.031	0.49	15	1020	0	43	62	7	28	43	11	35	.3	8.1	7.0	1.5	16.9	2
1367	84 -95	46	10	44	4.3			7.50	7.92	17.10	0.039	0.74	100	2140	0	19.5	105	21	83	82	12	13	.1	20.3	15.7	5.7	41.8	0
1368	95-160	77	5	18	9.7			7.68	8.40	11.00	0.010	0.49	50	770	0	28	42	25	37	50	40	28	4.2	9.4	6.0	2.3	21.9	19
1369	160-200	59	10	31	11.9			7.78	8.44	8.50	0.017	0.49	51	1420	1	17	47	5	44	47	23	23	1.7	17.9	8.0	2.3	29.9	6
C 223																												
1370	0 - 2	66	13	21	3.8	V.10	6a	8.12	8.90	0.65	0.020	0.66	38	305	0	0	6	0	3	0.2	1	2	1.8	1.1	21.7	0.2	24.8	7
1371	2 - 40	48	8	44	3.16			8.32	9.50	0.96	0.028	0.65	38	320	1	13	4	1	9.5	0.1	0.5	1	9.4	0.7	22.5	5.0	37.6	25
1372	40 - 60	42	10	48	2.94			8.38	9.50	3.00	0.042	0.74	48	335	2	13	11	9	25	0.2	1	1	12.4	0.9	22.1	5.3	40.7	30
1373	60 -140	43	10	47	4.2			7.85	8.56	6.00	0.020	0.70	40	360	0	15	9	47	37	0.2	12	9	11.5	0.9	35.0	9.5	56.9	20
C 224																												
1378	0 - 70	69	8	23	0.38	E.4	41	7.45	8.46	0.50	0.034	0.58	58	660	0	12	5	1	2	1.5	2	3	0.4	1.1	16.1	4.8	22.4	2
1379	70-150	69	5	26	0.57			7.65	8.68	0.42	0.036	0.48	44	480	0	18	4	0	4	.2	1	1.5	0.6	0.75	20.8	8.6	30.8	2
1380	150-200	82	5	13	9.3			7.97	8.80	0.40	0.031	0.39	61	215	0	12	5	1	2.6	. 2	1	2	0.6	0.4	11.7	1.5	14.2	4
C 225																												
1384	0 - 60	37	11	52	6.50	V.4	3a	8.20	9.10	0.60	0.045	0.60	69	660	1	21	4	0	9	.1	1	2	4.6	1.3	25.0	8.2	39.1	12
1385	60-140	23	21	56	9.80			8.28	9.38	1.50	0.028	1.50	75	620	1	3	5	15	15	.2	1	2	8.4	1.1	31.5	7.0	48.0	18
1386	140-200	44	*	*	1.53			7.90	9.10	2.35	0.036	0.12	53	480	1	13	9	13	35	.2	3	3	7.8	0.65	26.5	11.5	46.45	17

REMARKS: * In sample No. C 1386 the soil repeatedly flocculated in spite of increasing additions of sodium hexa metaphosphate and sodium carbonate

\+ Cation exchange capacity computed from exchangeable cations by summation except in sample No. R 5028, where repeatedly over 70 Meq Ca have been found.

Table 1.1 Continued

Sample No.	Soil particles %				Incorporated carbonate %	Soil Series	Land Class	pH		Electrical Conductivity mmhos/cm. Sat. Extr.	Total nitrogen %	Total org. carbon %	Total Extractable		Soluble Anions in Sat. Extr. meq. per litre.				Soluble Cations in Sat. Extr. meq. per litre.				Exchangeable Cat. meq. per 100 g of Soil				Cation Exchange meq./ 100 g. of Soil	E.S.P.
	Depth (cm)	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		
Site No.																												
R 109																												
R1029	0-21	86	1	13	1.0	E.2	41	8.3	8.7	0.26	0.017	0.11	25	160	0	3.0	2.0	1.7	5.0	0.05	1.4	0.6	0.5	0.5	7.6	5.6	13.5	4
30	21-74	88	1	11	0.25			8.5	8.6	0.21	0.017	0.08	50	200	0	3.5	2.0	1.7	4.0	0.05	0.8	0.2	0.0	0.25	8.0	4.4	12.5	-
31	74-175	78	2	20	0.25			8.1	8.4	0.41	0.02	0.10	38	240	0	4.0	2.0	1.7	4.0	0.05	1.0	0.6	0.3	0.3	10.6	7.2	18.0	2
R 277																												
R1521	0-50	63	8	29	2.6	E5	6a	8.82	9.94	4.25	0.039	0.26	56	480	0	5.0	12	40	54	0.25	4.2	0.4	10.5	0.95	15.8	7.0	33	32
22	50-105	76	8	16	1.3			8.93	10.25	1.6	0.025	0.05	69	320	0	6.5	9.5	3.5	19	0.05	0.2	0.1	12.3	0.45	7.4	2.6	23	54
23	105-170	67	8	25	2.8			8.82	10.1	3.6	0.008	0.08	75	480	0	4.5	20	27.5	52	0.15	2.8	1.2	12.4	0.7	14.2	7.2	33.5	40
R 315																												
R1619	0-50	36	11	53	7.1	V11	6as	8.48	9.5	5.2	0.028	0.43	62	520	0	4.5	7.0	60	55	0.4	7.8	3.2	10.0	1.15	23.6	11.8	46	22
20	50-105	31	17	52	5.5			8.51	8.75	9.2	0.022	0.42	69	600	0	4.0	20	105	101	0.35	19.6	9.0	16.1	0.95	19.0	14.4	50	32
21	105-200	19	23	58	5.1			8.75	9.62	5.0	0.028	0.3	69	760	0	3.5	15.0	45	61	0.25	2.8	2.4	20.2	1.0	17.6	14.8	53	40

Table 1.1 Continued

Sample No.	Soil particles %				Incorporated carbonate %	Soil Series	Land Class	pH		Electrical Conductivity mmhos/cm. Sat. Extr.	Total nitrogen %	Total org. carbon %	Total Extractable		Soluble Anions in Sat. Extr. meq per litre				Soluble Cations in Sat. Extr. meq. per litre.				Exchangeable Cat. meq per 100 g of Soil				Cation Exchange meq./100g of Soil	E.S.P.
	Depth (cm)	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		
Site No.																												
1003																												
10007	0-30	58	10	32	1.43	E6	41	8.20	9.0	0.52	0.02	0.2	50	400	0	5.0	2.0	1.7	4.0	1.3	1.4	0.6	1.75	0.8	19.7	12.0	33	5
10008	30-130	50	13	37	1.22			8.40	9.40	0.50	0.012	0.16	43	360	0	4.0	2.0	1.7	7.0	0.3	0.8	0	4.8	0.6	22.2	9.7	36	13
10009	130-200	53	25	22	1.29			8.45	9.40	0.64	0.008	0.05	56	280	0	6.0	2.0	1.7	11	0.25	0.8	0.2	4.0	0.4	14.9	3.2	23	17
4101																												
40222	0-30	46	13	41	6.83	V6	6a	8.12	8.95	0.56	0.033	0.35	75	480	0	4	2.5	5.0	4.0	0.25	3.6	1.2	1.75	0.8	30.1	10.2	42.5	4
223	30-80	51	11	38	6.04			8.15	8.45	5.2	0.011	0.31	68	400	0	3.5	3.5	90	80	0.35	18.4	6.2	12.8	0.75	23.9	6.0	42.5	30
224	80-160	39	13	48	5.02			8.40	9.05	7.7	0.02	0.31	75	520	0	3.5	10.0	105	100	0.3	8.5	5.0	23.0	1.25	18.0	9.8	50	46
225	160-200	24	15	61	4.6			8.60	9.45	4.2	0.025	0.25	62	600	0	1.0	8.5	54	62	0.1	2.4	1.6	30.1	1.45	14.7	9.8	54	56
4102																												
40226	0-90	39	13	48	5.9	V9	6as	8.25	8.50	6.0	0.025	0.40	68	440	0	4.0	10.0	85	75	0.2	19.6	7.2	8.7	0.9	31.5	5.9	45	19
227	90-130	24	15	61	4.2			8.31	9.20	7.4	0.028	0.34	68	560	0	3.0	14.0	105	103	1.1	7.5	6.0	21.6	1.3	20.6	20.4	61	35
228	130-165	23	16	61	4.4			8.43	9.20	6.0	0.006	0.26	68	640	0	3.5	12.0	82	74	0.25	3.0	3.0	23.0	1.45	17.6	16.7	57.5	40
229	165-200	30	23	47	11.5			8.50	9.88	2.6	0.025	0.12	75	600	0	4.0	6.0	32	40	0.05	1.2	1.2	15.2	1.0	11.1	16.0	43	35
S																												
J11	0-35	36	13	51	4.51	V8	6a	8.25	9.25	0.46	0.017	0.34	50	600	0	4.0	1.5	3.5	9.0	0.2	0.7	0.6	4.4	1.1	24.9	11.1	50	9
12	35-95	31	13	56	2.75			8.25	8.50	7.2	0.02	0.35	56	640	0	4.5	4.5	108	93	0.35	15	8	16.6	1.0	20.4	13.7	50.5	33
13	95-200	30	10	60	3.9			8.08	8.45	9.2	0.025	0.23	87	560	0	4.0	14.0	126	97	0.3	20.8	168	17.0	1.25	14.4	26.7	58	30

Table 1.1 Continued

Sample No.	Soil particles %				Incorporated carbonate %	Soil Series	Land Class	pH		Electrical Conductivity mmhos/cm. Sat. Extr.	Total nitrogen %	Total org. carbon %	Total Extractable		Soluble Anions in Sat. Extr. meq. per litre				Soluble Cations in Sat. Extr. meq. per litre				Exchangeable Cat. meq. per 100 g of Soil				Exchange Capacity meq./100g of soil	E.S.P.
	Depth (cm)	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		
Site No. R 290																												
5009	0-45	45	11	44	7.75	V.10	6a	8.43	9.75	0.90	0.034	0.54	45	335	2	14	3	13	9	0.1	0.5	0.5	8.7	0.5	22.5	3.5	35.2	25
5010	45-99	48	8	44	8.05			8.30	8.50	5.70	0.028	0.53	48	315	0	13	6	60	83	0.2	15	10	9.9	0.2	30.5	4.5	45.1	22
5011	99-141	56	8	36	6.35			8.58	9.60	3.00	0.025	0.21	40	320	3.1	20.3	18	25	35	0.1	1.7	1	11.3	0.5	11.5	5.0	28.3	40
5012	141-174	82	3	15	4.75			8.72	9.80	2.00	0.022	0.49	25	165	1	20	16	11	23	0.2	1.0	1	7.2	0.1	5.5	6.5	19.3	38
5013	174-200	87	3	10	4.90			8.80	9.85	1.60	0.025	0.24	38	125	2	13	11	8	15	0.1	0.5	1	6.3	0.02	5.0	2.5	13.8	45
R 326																												
5027	0-17	48	16	36	4.40	V.2	6as	8.00	8.37	2.40	0.028	0.62	43	260	0.5	8	4	11	11	0.1	21.5	5	2.5	0.45	33.5	5.7	42.2	6
5028	17-40	47	8	45	4.45			8.30	8.30	5.50	0.025	0.46	43	285	0	16	15	39	59	0.2	18	7	11.2	0.3	74.0	4.5	90.0	12
5029	40-86	36	5	59	3.82			8.20	8.70	9.60	0.028	0.24	55	305	1	9	17	70	54	0.2	15	10	20.9	0.1	51.5	9.5	82.0	25
5030	86-130	33	11	56	4.95			8.75	9.55	3.20	0.025	0.31	55	295	0	0	5	6	33	0.1	0.5	1.5	25.7	0.9	15.7	2.0	44.3	58
R 327																												
5031	0-29	48	10	42	7.30	V.10	6a	8.75	10.00	1.27	0.031	0.17	44	340	1.5	12	6	0	18	0.1	0.5	0.5	24.1	0.65	13.0	2.5	40.25	60
5032	29-67	34	21	45	5.25			8.60	9.70	4.80	0.028	0.57	63	395	1.5	12	23	61	56	0.2	16	5	21.8	0.75	25.5	1.7	49.55	44
5033	67-156	58	14	28	12.0			8.60	9.50	2.40	0.025	0.34	60	240	1	14	12	22	31	0.1	1	1	22.8	0.15	9.0	3.0	34.95	65

Table 1.1 Continued

Sample No.	Soil particles %				Incorporated carbonate %	Soil Series	Land Class	pH		Electrical Conductivity mmhos/cm. Sat. Extr.	Total nitrogen %	Total org. carbon %	Total Extractable		Soluble Anions in Sat. Extr. meq. per litre				Soluble Cations in Sat. Extr. meq. per litre				Exchangeable Cat. meq. per 100 g of Soil				+ Exchange Capacity meq./100g of soil	E.S.P.
	Depth (cm)	Sand	Silt	Clay				Soil Paste	1 : 5 Soil Suspension				Phosphate mg/100g of Soil	Potash mg/100 g of Soil	Carbonate	Bicarbonate	Chloride	Sulphate	Sodium	Potassium	Calcium	Magnesium	Sodium	Potassium	Calcium	Magnesium		
Site No. C 240																											
5001	0-15	54	12	34	8.2	V.10	6as	7.90	8.83	1.85	0.045	0.75	50	400	1	19	6	25	14	.2	4	1	5.9	0.8	26.2	2.6	35.5	16
5002	15-35	37	10	53	7.0			8.40	9.30	3.60	0.011	0.75	53	460	1	16	23	22	55	.1	3	1	10.8	1.5	18.7	4.8	35.8	30
5003	35-100	37	10	53	6.9			8.12	8.75	10.20	0.011	0.68	73	480	1	11	34	53	120	.3	8	4	13.5	0.95	26.2	4.3	44.9	30
Site No. C 247																											
5004	0-50	46	13	41	2.8	E.7	6s	7.60	7.90	5.75	0.067	0.75	49	485	1	13	50	22	32	1	53	21	1.3	1.4	41.6	4.4	48.7	3
5005	50-140	40	16	44	3.3			7.40	7.90	11.00	0.078	0.75	55	570	0	2.1	71	20	47	3	61	43	0.7	0.85	50	8.6	60.15	1
5006	140-200	33	11	56	7.1			7.70	8.10	5.75	0.042	0.90	49	515	0.5	10.3	41	50	75	.6	20	21	5.3	1.2	44	10.1	60.6	2
Site No. C 257																											
5007	0-25	39	11	50	4.75	V.4	6a	7.98	9.22	0.85	0.017	0.76	50	375	1	18.1	5	0	7	.2	1.5	.5	5.0	.85	30.5	6.0	42.35	12
5008	25-70	34	10	56	4.8			8.00	8.23	4.90	0.039	0.59	48	400	1	13	6	45	59	.5	6	16	7.0	.7	41.8	8.3	57.8	12
5009	70-140	31	8	61	4.8			8.10	8.50	6.50	0.028	0.47	48	430	0	7.5	6	72	89	.3	6	14	17	.85	23.7	5.0	37.9	45
Site No. C 266																											
5010	0-38	43	7	50	5.9	V.12	6a	8.50	9.60	0.65	0.039	0.83	45	295	1	12	5	8	15	.1	1.5	1.5	9.4	.75	29.0	7.2	46.30	20
5011	38-90	39	11	50	6.60			8.10	9.07	5.00	0.036	0.93	58	310	1	13.3	26	42	73	.2	8	2	11.8	0.55	13.7	3.5	29.0	40
5012	90-145	54	18	28	12.3			8.32	9.50	2.00	0.025	0.40	51	240	1	8	12	0	29	.1	1.5	.5	10.9	.25	5.2	3.2	15.7	68
5013	145-192	74	8	18	1.47			8.32	9.55	2.00	0.028	0.90	48	225	0.5	11	12	0	24	.1	2	2	9.0	.2	11.4	4.3	24.9	36

Table 1.1 Continued

Sample No.	Soil particles %				Incorporated carbonate %	Saturation %	pH		Soil Series	Land Class	Electrical Conductivity mmohs/cm.	Total nitrogen %	Total org. carbon %	HCl Extractable		Soluble Anions in Sat. Extr. meq. per litre				Soluble Cations in Sat. Extr. meq. per litre				Exchangeable Cat. meq. per 100 g of Soil				CEC Exchange Capacity meq./100g of soil	E.S.P.
	Depth (cm)	Sand	Silt	Clay			Soil Paste	1 : 5 Soil Suspension						Phosphate mg/ 100g of Soil	Potash mg/ 100g of Soil	Carbonate	Bicarbonate	Chloride	SO_4	Sodium	Potassium	Calcium	Magnesium	Sodium	Potassium	Calcium	Magnesium		
C1116	0-50	36	16	48	7.5	75	7.81	8.85	V9	6as	5.4	0.017	0.18	50	560	2	2	11	85	85	0.15	7.8	5.2	13.6	0.8	18.0	9.2	40.5	34
C1117	50-100	33	16	51	6.7	70	7.76	8.5			7.3	0.022	0.60	50	400	0	3	14.5	119	105	0.15	18.7	8.3	16.3	0.6	25.5	5.4	47.0	35
C1118	100-200	33	16	51	7.0	56	7.95	8.7			2.04	0.025	0.60	44	455	0	4	4.0	34	32	0.1	2.6	1.9	10.3	0.4	25.5	8.0	42.5	25
R1269	0-60	40	16	44	7.4	53	7.65	8.25	V1	6s	6.1	0.042	0.61	88	1240	0	2	34.5	68	70	0.7	22	12	4.0	3.4	23.5	5.5	37.2	11
R1270	60-90	35	24	41	7.0	63	7.54	8.1			11.0	0.039	0.61	75	870	0	3	46	136	127	0.75	34.4	18.6	10.0	3.4	26.0	6.8	45	22
R1271	90-130	30	24	46	6.2	63	7.64	8.27			12.0	0.034	0.50	63	750	0	2	50.5	153	147	0.6	30.2	21.8	10.8	2.2	25.0	10.0	46	23
R1272	130-200	45	14	41	9.6	74	7.78	8.6			8.3	0.031	0.39	63	770	0	2	37.5	110	120	0.35	12.3	9.7	11.0	1.5	20.5	10.0	44	25

Table 1.2 VALUES OBTAINED FOR CATION EXCHANGE CAPACITY BY VARIOUS METHODS

Sample No.	Bore No.	% Clay	C.E.C. by summation	C.E.C. Middleton	C.E.C. Handbook No. 60
	Site No.				
C 1366	C 222	15	17	10,0	58
1367		44	48	13,19,22	29
1368		18	23	32,17,63	28
1369		31	26	18,19	28
C 1370	C 223	21	25	102,30,21	37.6
1371		44	38	13,31,40	42
1372		48	41	33	43.5
1373		47	57	31	47
C 1378	C 224	23	22.4	11,11	45
1379		26	20.4	10,18	58
1380		13	14.2	10,15	76
C 1384	C 225	52	39	32,44	47
1385		56	48	58,36,68	78
1386		?	46.5	33	81
C 5001	C 240	34	25.5	27	99
5002		53	35.4	52	99
5003		53	45	64,22	101
C 5004	C 247	41	49.5	-	-
5005		44	60.3	62,33	63
5006		56	50.6	100,90	46
C 5007	C 257	50	42.3	-	-
5008		56	58	44	108
5009		61	72 ?	52	104
C 5010	C 266	50	37.4	59,25	97
5011		50	42	49	108
5012		28	33	44,43	97
5013		18	19	22	94

Table 1.2

Sample No.	Bore No.	% Clay	C.E.C. by summation	C.E.C. Middleton	C.E.C. Handbook No. 60
R 5009	R 290	44	35	31	97
5010		44	45	17	108
5011		36	28	22.5	104
5012		15	19	9	83
5013		10	14	17	87
R 5027	R 326	36	38.5	33	82
5028		45	90 ?	28	114
5029		59	65	27	118
5030		56	45	38	114
R 5031	R 327	42	40	36	106
5032		45	50	40	108
5033		28	35	24	100

Remarks: - 95 Exchange capacity determinations made. By Middleton method is meant the ammonium oxalate method. By Handbook No.60 is meant the method of C.E.C. determination in Agric. Handbook No. 60, U.S. Dept. of Agriculture, page 101. I cannot suggest any explanations. The work is under investigation.

Table 1.3 LABORATORY ANALYSES OF 39 SITES REPRESENTATIVE OF MAPPING UNITS

Sample No.	Bore No. Soil & Land Class	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Sol. Na meq.	Sol. + Ex.Na /100	Exchang. Na	pH paste	E.S.P.
			Sand 2.0 - 0.02 mm	Silt 0.02 - 0.002 mm	Clay 0.002 mm.						
E 1386	E 226	0- 80	41	19	40	6.0	7.3	16.0	8.7	8.3	22
1387	V 9	- 160	63	5	32	13.5	n.d.	35.5	-	n.d.	-
1388	6 as	- 200	21	13	66	5.5	6.8	32.4	25.6	8.6	40
E 1439	E 244	0- 65	31	16	53	9.5	19.5	21.6	2.1	8.25	4
1440	V 3	- 110	29	8	63	10.0	8.7	26.0	17.3	8.2	27
1441	6 as	- 200	10	14	76	5.5	15.0	27.2	12.2	-	16
E 1459	E 251	0- 30	-	-	-	8.5	-	-	-	-	-
1460	V 3	- 100	37	13	50	2.0	0.5	2.6	2.1	7.9	4
1461	6 s	- 200	26	8	66	7.2	1.4	26.0	24.6	8.15	37
L 1388	L 230	0- 38	29	15	56	4.75	4.3	7.7	3.4	7.90	6
1390	V 3	- 90	26	11	63	6.0	19.6	30.0	10.4	8.29	17
1392	3 as	- 160	26	11	63	6.0	24.6	31.6	7.0	8.56	11
1394		- 200	21	13	66	3.6	25.9	30.6	4.7	8.46	7
L 1441	L 246	0- 53	87	3	10	0.34	0.43	0.5	-	7.51	0
1443	E 2	- 80	82	3	15	0.25	0.63	0.7	-	7.82	0
1445	4 1	- 123	82	3	15	0.30	0.60	0.7	0.1	7.83	1
1447		- 200	82	3	15	0.66	0.33	0.4	-	7.55	0
M 1242	M 163	0- 50	72	3	25	0.74	4.9	5.2	0.3		1
1243	E6, 4 1	- 108				1.2					-
M 1245	M 164	0- 50	39	28	33	1.7	8.7	9.7	1.0		3
1246	E6, 4 1	- 108				0.62					-
M 1248	M 165	0- 50	54	5	41	1.8	10.0	10.8	0.8		2
1249	V2 3 1	- 100				2.6					-

Table 1.3

Sample No.	Bore No. Soil & Land Class	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Sol. Na meq.	Sol. + Ex.Na /100 g.	Exchang. Na	pH paste	E.S.P.
			Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay 0.002 mm.						
M 1251	M 166	0- 50	59	7	34	0.96	11.8	12.2	0.6		2
1252	E6, 4 1					4.8					-
M 1254	M 167	0- 40	45	11	44	0.64	5.4	5.7	0.3		1
1255	V 2	- 70				1.4					-
1256	3 1	- 108				2.3					-
M 1257	M 168	0- 50	59	5	36	1.68	6.9	7.8	0.9		3
1258	V2										
	3 1	- 100				5.6					-
M 1781	M 278	0- 30	51	8	41	1.54	2.8	11.5	8.7	8.4	21
1783	V 10	- 90	46	10	44	3.6	6.6	21.2	14.6	8.3	33
1785	6 a	- 150	54	10	36	2.0	4.1	11.6	7.5	8.6	21
M 1790	M 280	0- 30	47	13	40	4.2	1.9	6.1	4.2	8.0	10
1792	V 1	- 100	31	11	58	11.2	25.0	37.5	12.5	8.35	21
1794	6 as	- 160	50	8	42	5.7	-	33		-	
M 1818	M 288	- 40	60	12	28	1.2	1.6	3.3	1.7	8.3	6
1820	E 6	- 105	64	5	31	2.0	1.6	7.2	5.6	8.5	18
1822	4 1	- 200	80	2	18	3.1	3.3	7.5	4.2	8.4	23
M 1824	M 289	0- 35	31	11	58	10.2	17.0	32	15	8.0	26
1826	V 11	- 80	82	3	15	-	-	26		-	-
1828	6 as	- 170	34	18	48	-	8.3	18	9.7	8.3	20
M 1857	M 299	0- 35	64	10	26	1.5	0.9	1.9	1	8.15	4
1859	E 6	- 70	48	8	44	4.8	1.1	10.7	9.6	8.5	22
1861	3 al	- 150	74	8	18	6.8	1.7	5.4	3.7	7.9	20

Table 1.3

Sample No.	Bore No. Soil & Land Class	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Sol. Na. meq.	Sol. + Ex. Na /100g.	Exchang. Na	pH paste	E.S.P.
			Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay 0.002 mm.						
M 1863	M 300	0- 15	44	16	40	15.8	4.1	10.0	5.9	7.9	15
1865	V1/V9	- 60	39	11	50	12.5	4.1	11.0	6.9	7.9	14
1867	6 s	- 200	41	10	49	1.3	-	27.0		-	
M 1887	M 307	0- 34	48	10	42	4.75	2.2	9.9	7.7	8.7	19
1889	V 9	- 92	45	11	44	6.5	6.2	14.4	8.2	8.3	19
1891	6 as	- 180	64	10	26	0.8	3.4	12.6	9.2	8.9	35
M 1920	M 317	0- 40	44	22	34	3.4	5.7	6.3	0.6	7.8	2
1923	V 2	- 75	29	13	58	6.75	14.5	32.0	17.5	8.0	30
1926	6 a	- 200	21	13	66	5.0	8.3	38.0	29.7	8.65	45
M 1929	M 318	0- 35	66	10	24	5.4	2.3	2.6	0.3	9.8	1
1932	E 5	- 75	64	5	31	3.3	1.5	1.7	0.2	7.7	1
1935	4 1	- 200	66	8	26	0.32	1.2	3.1	1.9	7.8	7
M 1962	M 327	0- 35	50	8	42	2.5	2.0	6.6	4.6	8.3	11
1965	V2/V4	- 60	34	10	56	7.25	14.6	23.6	9.0	8.1	16
1968	3 las	- 135	47	10	43	1.7	12.1	22.6	10.5	8.0	24
M 1989	M 334	0- 33	58	10	32	1.2	1.6	12.0	10.4	8.4	33
1992	E 5	- 66	50	10	40	12.0	13.0	23.0	10.0	7.9	25
1995	6 as	- 200	42	10	48	5.6	6.6	23.0	16.4	8.7	34
M 2055	M 355	0- 38	44	13	43	1.5	0.7	1.4	0.7	8.0	2
2058	V 2	- 82	26	29	45	2.75	2.1	7.5	5.4	8.3	12
2061	3 1	- 210	36	27	37	2.5	4.1	15.0	10.9	8.4	30
M 2064	M 356	0- 20	46	8	46	1.4	3.2	12.0	8.8	8.2	19
2067	V 10	- 134	34	5	61	9.7	2.3	12.0	9.7	7.9	16
2070	6 as	- 190	42	16	42	5.1	2.4	9.4	7.0	8.6	17

Table 1.3

Sample No.	Bore No. Soil & Land	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Sol. Na meq.	Sol. + Ex. Na /100g.	Exchang. Na	pH paste	E.S.P.
			Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay 0.002 mm.						
R 5001	R 272	0- 39	45	12	43	21.5	0.5	1.3	1.3	7.85	3
5002	V 1	- 90	37	8	55	7.80	1.3	14.2	12.9	7.95	24
5003	6 s	- 120	30	12	58	17.0	10.4	32.0	21.6	8.1	37
R 5004	R 281	0- 18	42	10	48	1.5	0.2	3.1	2.9	8.2	6
5005	V1/V2	- 37	40	10	50	9.2	2.5	9.0	6.5	7.85	13
5006		- 73	35	7	58	17.5	7.5	23.5	16.0	7.9	30
5007	6 as	- 165	30	7	63	8.5	6	31.5	25.5	8.05	40
5008		- 200	32	8	60	3.3	5.2	30.5	25.3	8.55	42
R 5014	R 299	0- 36	62	8	30	1.8	0.3	4.35	4.0	8.5	13
5015	E 6	- 77	60	7	33	1.3	3.1	8.7	5.6	8.1	17
5016	4 1	- 117	65	7	28	3.3	1.5	8.35	6.8	8.0	24
5017		- 200	75	5	20	3.1	2.8	5.9	3.1	8.4	15
R 5018	R 308	0- 30	42	10	48	3.1	0.6	9.7	9.1	8.35	19
5019	V 10	- 113	32	15	53	2.2	3.2	4.9	1.7	8.6	3
5020	6 a	- 200	40	15	45	5.5	3.1	16.2	13.1	8.3	30
R 5021	R 316	0- 23	70	7	23	1.2	0.3	1.9	1.6	8.3	7
5022	E 4/E 6	- 65	60	5	35	2.6	0.5	10.2	9.7	9.0	28
5023	6 as	- 104	55	2	43	11.5	4.8	16.2	11.4	8.2	27
5024		- 153	67	8	25	3.9	2.2	11.8	9.6	8.4	38
R 5025	R 317	0- 40	47	10	43	2.8	1.0	5.6	4.6	8.2	11
5026	V 2 6 a	- 105	35	10	55	7.2	10.2	30.5	20.3	8.25	37

Table 1.3

Sample No.	Bore No. Soil & Land Class	Depth (cm)	Mech. Analyses			E.C. mmhos/cm. at 25°C.	Sol.Na	Ex.Na meq./ 100 g.	pH 1 : 5	E.S.P.
			Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay 0.002 mm.					
E 1054	E 117	0- 40	72	2	26	1.00	2.5	0.6	9.3	2
1055	E 6	-120	60	4	36	2.87	6.9	3.2	9.3	9
1056	4 1	-170	44	6	50	1.85	8.7	3.5	9.3	7
1057		-200	44	7	49	0.72	8.7	3.5	9.6	7
E 1058	E 118	0- 40	72	4	24	0.80	1.4	0.3	9.3	1
1059	E 4	- 80	72	2	26	1.30	3.0	0.7	9.4	3
1060	4 1	-130	72	6	22	2.00 (sol.+Ex)		7.0	9.4	-
1061		-160	66	5	29	4.50	6.6	0.4	8.5	1
1062		-200	46	7	47	6.20	5.4	5.9	8.0	13
E 1063	E 119	0- 30	56	7	37	1.80	5.5	1.1	9.3	3
1064	V 2	- 80	54	7	39	2.70	8.5	3.0	9.3	8
1065		-100	56	7	37	5.20	8.3	3.5	8.5	9
1066		-170	46	11	43	4.50	8.4	3.1	8.8	7
1067	3 1	-200	36	13	51	1.75	8.7	4.2	9.3	8
E 1068	E 120	0- 60	56	5	39	3.00 (sol.+Ex.)		8.4	9.2	-
1069	V 2	-110	52	5	43	0.80	-	-	8.9	-
1070	3 1	-180	50	5	45	2.00	-	-	9.5	-
1071		-200	46	7	47	1.75	12.9	1.0	8.5	2
E 1072	E 121	0- 30	57	3	40	1.10	4.3	2.5	9.2	6
1073	V 2	- 60	47	5	48	5.90	-	-	9.4	-
1074	3 1	-100	46	5	49	5.50	11.8	3.1	8.7	6
1075		-170	46	6	48	1.15	-	-	9.3	
1076		-200	46	8	46	0.95	11.0	1.5	9.4	3
E 1077	E 122	0- 30	49	8	43	0.82 (sol.+Ex.)		7.5	9.5	-
1078	V 2	- 60	40	8	52	4.50	10.8	3.1	9.0	6
1079	3 1	-100	42	8	50	5.10	-	-	8.8	-
1080		-200	44	18	38	5.20 (sol.+Ex.)		13.9	8.2	-

Table 1.3 Continued

SITE NO., SOIL AND LAND CLASS	SAMPLE NO.	DEPTH cm.	MECHANICAL ANALYSIS			E.C. mmhos/cm at 25°C.	Sol.Na meq %	Extract Na meq %	Exchange Na meq %	E.S.P.	pH paste
			SAND	SILT	CLAY						
L 119,	L 1058	0-48	31	16	53	1.4	0.6	15.9	15.3	27	8.9
V 12, 6a	L 1059	48-70	23	19	58	6.4	4.5	20.8	16.3	28	8.5
	L 1060	70-113	32	15	53	6.0	5.7	18.4	12.7	24	7.9
L 110,	L 1030	0-18	79	4	17	0.6	0.2	3.6	3.4	20	8.7
E 3, 6a	L 1031	18-43	75	2	23	1.0	0.2	11.2	11.0	48	9.1
	L 1032	43-180	73	4	23	2.4	1.5	13.1	11.6	50	9.1
4099,	40215	0-70	39	10	51	0.9	0.2	11.1	10.9	21	8.4
V 12, 6a	40216	70-130	29	13	53	8.0	6.6	21.6	15.0	26	8.1
	40217	130-200	26	21	53	5.0	4.6	18.8	14.2	27	8.1

Table 1.4 LABORATORY ANALYSES FROM 105 PITS

FROM SAMPLE AREAS

Sample No.	Bore No.	Depth (cm)	Mechanical Analyses			E.C. mmhos/cm at 25°C.	pH 1 : 5	pH Paste	Land & Soil Class
			Sand 2.0-0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.				
C 1001	C 101	0- 36	40	10	50	0.95	9.5	7.88	
C 1002		- 75	32	12	56	3.90	9.3	8.55	2, V4
C 1003		-138	34	10	56	6.40	9.1	8.15	
C 1004	C 102	0- 40	34	8	58	4.20	9.0	8.10	
C 1005		- 70	34	8	58	8.50	8.9	8.18	6s, V3
C 1006		-185	22	14	64	6.00	9.0	8.16	
C 1007	C 103	0- 40	28	12	60	2.76	9.5	8.20	
C 1008		- 70	30	10	60	4.20	9.3	8.12	2, V4
C 1009		-130	20	12	68	7.50	8.6	8.00	
C 1010	C 104	0- 20	42	10	48	0.57	9.2		
C 1011		-45	34	10	56	7.50	9.0		3s, V4
C 1012		-120	29	11	60	10.00	8.7		
C 1013	C 105	0- 30	36	10	54	1.30	9.3	8.02	
C 1014		-100	26	12	62	7.00	8.7	8.15	3s, V4
C 1015		-150	20	14	66	2.40	9.0	8.35	
C 1016	C 106	0- 38	34	12	54	3.80	8.8	7.80	
C 1017		- 80	32	10	58	9.00	8.5		6s, V4
C 1018		-100	30	8	62	7.40	8.9	8.00	
C 1019	C 107	0- 30	30	10	60	0.74	9.5	8.30	
C 1020		-100	26	13	61	7.50	8.6	8.52	3s, V4
C 1021		-200	16	15	69	7.80	8.8	7.8	
C 1022	C 108	0- 40	34	9	57	1.60	9.4		
C 1023		-140	26	61	13	8.10	8.5	8.15	6s, V4
C 1024		-210	36	15	49	5.50	9.0	8.12	
C 1025	C 109	0- 15	32	11	57	1.00	8.8	7.80	
C 1026		- 45	30	9	61	3.20	9.0	7.80	2, V4
C 1027		-120	28	11	63	7.80	8.6	7.90	
C 1028	C 110	0- 15	38	9	53	2.80	9.6	8.5	
C 1029		- 45	30	15	55	9.00	8.8	8.0	6as, V12
C 1030		-125	47	15	38	4.50	9.4	8.31	
C 1031	C 111	0- 10	55	7	38	0.54	9.0	7.93	
C 1032		- 30	51	7	42	0.36	9.0	8.00	31, V2
C 1033		-140	59	7	34	2.10	8.3	7.93	

Table 1.4

Sample No.	Bore No.	Depth (cm)	Mechanical Analyses			E.C. mmhos/cm at 25°C.	pH 1 : 5	pH Paste	Land & Soil Class
			Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay .002 mm.				
C 1034	C 112	0- 24	61	9	30	0.56	9.0	8.05	
C 1035		- 44	55	7	38	0.64	9.5	8.50	4, E6
C 1036		-140	49	11	40	5.90	9.2	8.30	
C 1037	C 113	0- 35	33	13	54	1.45	9.6	8.40	
C 1038		- 65	31	13	56	7.10	8.7	8.30	6a, V12
C 1039		-140	39	15	46	5.20	8.4		
C 1040	C 114	0- 45	31	13	56	1.20	9.5	8.40	
C 1041		- 80	23	15	62	8.00	8.4		3s, V4
C 1042			21	21	58	7.90	8.5		
C 1043	C 115	0- 40	37	13	50	0.80	9.5	8.40	
C 1044		-120	25	17	58	7.00	8.9	7.90	3s, V4
C 1045		-155	26	23	51	2.60	9.3	8.50	
C 1046	C 116	0- 35	46	11	43	1.10	9.5	8.54	
C 1047		- 70	23	19	58	5.80	8.5	8.10	3s, V2
C 1048		- 90	21	21	58	7.80	8.8	8.30	
C 1049	C 117	0- 32	16	43	41	9.00	8.4	8.00	
C 1050		-136	24	9	67	8.00	8.7		6s V1
C 1051		-195	30	11	59	1.05	9.2		
C 1052	C 118	0- 27	44	9	47	0.50	9.4		
C 1053		- 64	36	9	55	2.40	9.5		31 V2
C 1054		-200	26	13	61	4.50	9.0		
C 1055	C 119	0- 35	36	7	57	0.92	9.5		
C 1056		0- 70	32	7	60	2.40	9.4	8.35	2 V4
C 1057		-130	28	9	63	2.40	9.3	8.30	
C 1058	C 120	0- 10	45	10	45	0.70	9.1	8.10	
C 1059		- 62	39	8	53	1.70	9.2	8.60	31 V2
C 1060		-140	25	10	65	1.60	9.4	8.40	
C 1061	C 121	0- 25	43	8	49	0.60	9.5	8.25	
C 1062		- 52	35	6	59	2.80	9.3	8.50	31 V2
C 1063		-180	39	4	57	2.60	9.6	8.20	
C 1064	C 122	0- 30	31	8	61	2.60	9.5	8.40	
C 1065		- 70	27	8	65	1.12	9.4	8.60	2 V4
C 1066		-180	25	8	67	6.00	8.8	8.40	
C 1067	C 123	0- 30	29	8	63	1.04	9.4	8.40	
C 1068		- 75	27	8	65	1.90	9.4	8.50	2 V4
C 1069		-160	19	10	71	6.00	8.9	8.15	

Table 1.4

Sample No.	Bore No.	Depth (cm)	Mechanical Analyses			E.C. mmhos/ cm at 25°C.	pH 1 : 5	pH Paste	Land & Soil Class
			Sand 2.0-0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.				
C 1070	C 124	0- 30	27	10	63	0.36	9.3	8.46	
C 1071		- 75	25	10	65	1.90	9.1	8.40	2 V4
C 1072		-200	19	8	73	4.90	9.4	8.05	
C 1073	C 125	0- 30	31	10	59	1.12	9.3	8.30	
C 1074		- 80	29	10	61	5.90	9.0	8.10	2 V4
C 1075		-200	21	10	69	6.00	8.6	8.10	
C 1076	C 126	0- 20	33	6	61	0.84	9.4	8.35	
C 1077		- 70	31	8	61	1.95	9.5	8.45	2 V4
C 1078		-150	25	8	67	7.00	8.5		
C 1079	C 127	0- 20	53	6	41	1.12	9.7	8.69	
C 1080		- 65	39	10	51	6.00	9.3	8.43	6 la V10
C 1081		-135	45	10	45	1.50	9.6	8.55	
C 1082	C 128	0- 20	53	8	39	0.26	9.9	8.80	
C 1083		- 35	45	10	45	1.84	9.9	9.10	
C 1084		-130	49	14	37	8.40	9.7	8.50	
C 1085	C 129	0- 30	47	12	41	1.66	9.6	8.51	
C 1086		-120	65	10	25	1.20	9.6	8.60	6 la V10
C 1087		-170	48	6	46	1.00	9.7	8.70	
C 1088	C 130	0- 20	56	2	42	1.20	9.8	8.59	
C 1089		- 40	48	4	48	2.09	9.5	8.50	61a V10
C 1090		-140	44	10	46	2.10	9.7		
C 1091	C 131	0- 20	46	6	48	0.84	9.7	8.60	
C 1092		- 60	28	14	58	1.10	9.2	8.40	61a V10
C 1093		-110	32	18	50	2.10	9.4	8.32	
C 1094	C 132	0- 30	40	16	44	1.10	9.3	8.19	
C 1095		-165	34	10	56	3.20	9.1		31 V2
C 1096		-200	34	11	55	1.90	9.6		
C 1097	C 133	0- 25	54	4	42	0.66	9.7	8.40	
C 1098		- 70	34	8	58	6.90	9.0	8.30	61a V10
C 1099		-160	56	8	36	2.80	9.5	8.50	
C 1100	C 134	0- 35	50	6	44	3.80	8.6	8.12	
C 1101		-150	52	6	42	2.2	9.7	8.70	31 V2
C 1102		-200	52	4	44	4.30	9.5		
C 1103	C 135	0- 30	36	6	58	1.38	9.7	8.12	
C 1104		-120	36	8	56	7.00	8.9	8.35	6as V12
C 1105		-200	38	8	54	2.60	9.4	8.60	

Table 1.4

Sample No.	Bore No.	Depth (cm)	Mechanical Analysis			E.C .mmhos/ cm at 25°C.	pH 1 : 5	pH Paste	Land & Soil Class
			Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay .002 mm.				
E 1001	E 101	0- 40	37	10	53	2.25	9.2	8.60	
E 1002		- 90	35	8	57	7.50	8.5	8.25	3s V4
E 1003		-200	37	8	55	0.55	7.0		
E 1004	E 102	0- 60	35	6	59	1.90	8.6	8.35	
E 1005		-140	27	6	67	7.50	8.4	8.30	3s V4
E 1006		-200	19	12	69	5.30	8.6	8.52	
E 1007	E 103	0- 39	31	10	59	1.80	9.2	8.55	
E 1008		-100	25	12	63	7.00	8.3	8.35	3 s V4
E 1009		-200	71	12	17	1.45	9.7	9.12	
E 1010	E 104	0- 30	61	2	37	1.71	9.8	9.15	
E 1011		-150	65	2	33	1.80	9.7	9.20	61a V10
E 1012		-200	33	8	59	1.20	9.7	9.35	
E 1013	E 105	0- 60	31	10	59	1.80	9.4	8.75	
E 1014		-120	29	12	59	10.00	8.4	8.52	6s V4
E 1015		-200	17	16	67	2.30	9.2	8.85	
E 1016	E 106	0- 25	47	6	47	1.60	9.5	9.10	
E 1017		-100	49	10	41	2.04	9.6	8.85	6 la V10
E 1018		-200	79	2	19	1.10	9.8	9.18	
E 1019	E 107	0- 40	53	4	43	1.50	9.6		
E 1020		-110	47	6	47	1.30	9.6	8.95	61a V10
E 1021		-200	85	4	11	1.10	9.4		
E 1022	E 108	0- 40	45	10	45	0.76	9.6		
E 1023		-120	25	16	59	5.20	8.7		
E 1024		-180	39	22	39	2.20	9.3		61a V10
E 1025		-200	29	36	35	1.19	9.4		
E 1026	E 109	0- 35	45	6	49	1.62	9.5		
E 1027		-130	33	10	57	3.00	9.2	8.92	31 V2
E 1028		-190	55	6	39	2.10	9.4		
E 1029		-200	43	4	53	1.50	9.6		
E 1030	E 110	0- 50	73	4	23	1.66	9.5		
E 1031		-140	32	10	58	6.50	8.7		31sV2
E 1032		-200	36	11	53	4.90	8.8	8.72	
E 1033	E 111	0- 50	48	4	48	2.90	9.2	8.85	
E 1034		-125	22	10	68	2.40	9.3	8.88	31sV2
E 1035		-200	30	12	58	4.75	9.0	8.55	

Table 1.4

Sample No.	Bore No.	Depth (cm)	Mechanical Analyses			E.C.mmhos/cm at 25°C.	pH 1 : 5	pH Paste	Land & Soil Class
			Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay .002 mm.				
E 1036	E 112	0- 34	36	8	56	3.50	8.4	8.48	
E 1037		- 60	28	10	62	7.00	8.6	8.58	3s V4
E 1038		-140	22	10	68	5.00	8.3	8.42	
E 1039		-200	20	12	68	4.75	8.7	8.60	
E 1040	E 113	0- 35	36	27	37	3.20	8.3		
E 1041		- 85	28	10	62	8.50	8.2		61sV4
E 1042		-130	26	12	62	8.00	8.4	8.85	
E 1043		-200	20	16	64	3.40	9.2		
E 1044	E 114	0- 50	30	2	68	4.50	8.6	8.40	
E 1045		-140	20	12	68	5.90	8.7	8.65	6sV3
E 1046		-200	26	12	62	3.60	8.8		
E 1047	E 115	0- 40	48	8	44	3.60	8.2		
E 1048		-112	40	8	52	6.10	8.5		31sV2
E 1049		-200	46	8	46	5.60	9.0		
E 1050	E 116	0- 33	48	10	42	1.30	9.1	8.50	
E 1051		-56	40	10	50	6.70	8.6	8.40	31sV2
E 1052		-100	32	10	58	8.00	8.2	8.55	
E 1053		-190	32	11	57	6.00	9.0	8.58	

Table 1.4

Sample No.	Bore No.	Depth (cm)	Mechanical Analyses			E.C. mmhos/cm at 25°C.	pH 1 : 5	pH Paste	Land & Soil Class
			Sand 2.0-0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.				
L 1001	L 101	0- 22	52	6	42	0.56	9.2	8.42	
L 1002		- 88	48	6	46	0.92	9.5		31 V2
L 1003		-205	32	16	52	4.20	9.1	8.28	
L 1004	L 102	0- 30	46	10	44	2.00	8.1	8.19	
L 1005		-110	40	10	50	8.90	8.6		61s V2
L 1006		-200	26	14	60	8.00	9.1		
L 1007	L 103	0- 30	40	8	52	0.53	8.8		
L 1008		-107	36	8	56	3.80	8.2	8.00	3s V4
L 1009		-200	30	2	68	10.00	8.2	8.30	
L 1010	L 104	0- 56	30	10	60	3.20	8.5	8.19	
L 1011		-115	26	10	64	7.60	8.5	8.35	3s V4
L 1012		-200							
L 1013	L 105	0- 66	32	9	59	2.18	9.5	8.52	
L 1014		-98	22	14	64	7.50	8.5	8.15	3s V4
L 1015		-200	36	12	52	3.10	9.4	8.49	
L 1016	L 106	0- 48	32	10	58	3.60	9.2	8.30	
L 1017		-190	26	10	64	9.00	8.9	8.19	6s V4
L 1018		-200	28	8	64	3.65	9.1		
L 1019	L 107	0- 55	34	8	58	0.72	9.5	8.35	
L 1020		-185	34	11	55	1.10	9.5	8.40	2 V4
L 1021		-200	35	12	53	2.20	9.3	8.20	
L 1022	L 108	0- 35	51	8	41	1.24	9.9	8.53	
L 1023		- 60	47	10	43	2.80	9.8	8.59	61as V10
L 1024		-140	49	8	43	8.50	9.2	8.35	
L 1025	L 109	0- 12	57	12	31	0.46	9.0	8.00	
L 1026		-30	51	10	39	0.38	4.9	7.99	31 V6
L 1027		- 67	47	10	43	1.44	9.4	8.12	
L 1028		-140	53	8	39	0.65	9.5	8.45	
L 1029		-185	51	12	37	1.70	9.4	8.30	
L 1030	L 110	0- 18	79	4	17	0.64	9.8	8.70	
L 1031		- 43	75	2	23	1.22	10.0	9.15	
L 1032		-180	73	4	23	2.90	10.1	9.08	6al E3
L 1033		-200	85	4	11	1.70	10.1	9.28	
L 1034	L 111	0- 58	35	10	55	0.56	10.2	8.55	
L 1035		-155	27	12	61	5.90	9.4	8.05	6a V12
L 1036		-200	51	14	35	3.40	8.6	8.40	

Table 1.4

Sample No.	Bore No.	Depth (cm)	Mechanical Analyses			E.C. mmhos/cm at 25°C.	pH 1 : 5	pH Paste	Land & Soil Class
			Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay .002 mm.				
L 1037	L 112	0- 67	29	12	59	0.80	9.2	8.80	
L 1038		-140	23	20	57	8.90	9.5	8.25	6s V4
L 1039		-200	8	23	69	3.80	9.0	8.60	
L 1040	L 113	0- 48	75	2	23	0.60	9.2	8.60	4 E4
L 1041		-145	71	2	27	1.60	9.5	9.40	
L 1042			75	2	23	1.40	9.7	8.35	
L 1043	L 114	0- 45	71	2	27	0.66	9.6	8.35	61as E6
L 1044		-150	46	10	44	8.00	9.7	7.90	
L 1045		-200	40	8	52	6.50	8.6	8.05	
L 1046	L 115	0- 71	48	6	46	1.04	9.6	8.50	
L 1047		-185	48	10	42	1.20	9.7	8.43	61a V10
L 1048		-200	62	10	28	1.00	9.5	8.40	
L 1049	L 116	0- 55	48	8	44	1.6	8.8		
L 1050		-100	62	5	33	5.8	8.90		31 V2
L 1051		-200	56	10	34	3.8	8.98		
L 1052	L 117	0- 77	34	10	56	1.6	8.80		
L 1053		-130	30	13	57	5.2	8.70		2 V4
L 1055	L 118	0- 66	32	11	57	1.24	8.93		
L 1056		-152	23	24	53	6.0	8.26		2 V4
L 1058	L 119	0- 48	31	16	53	1.4	8.93		
L 1059		- 70	23	19	58	4.0	8.70		2 V4
L 1060		-113	32	15	53	5.4	8.20	7.90	

Table 1.4

Sample No.	Bore No.	Depth (cm)	Mechanical Analyses			E.C. mmhos/ cm at 25°C.	pH 1 : 5	pH Paste	Land & Soil Class
			Sand 2.0-0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.				
M 1001	M 101	0- 18	42	10	48	0.78	9.6	8.60	
M 1002		- 85	36	12	52	7.50	9.1	8.25	
M 1003		-110	30	12	58	4.50	9.4	8.30	
M 1004		-140	34	12	54	3.10	9.5	8.52	6als V10
M 1005		-190	40	16	44	2.80	9.6	8.52	
M 1006		-220	66	8	26	2.10	9.8	8.48	
M 1007	M 102	0- 18	34	12	54	0.55	9.5	8.18	
M 1008		- 60	36	10	54	2.60	9.4	8.48	
M 1009		-110	32	14	54	5.90	8.5	8.13	2 V4
M 1010		-170	24	14	62	4.50	8.9	8.20	
M 1011		-200	18	18	64	3.10	9.0	8.41	
M 1012	M 103	0- 25	48	8	44	0.65	9.5	8.40	
M 1013		- 95	44	14	42	0.748	9.5	8.20	31s V2
M 1014		-200	48	4	48	5.00	9.7	8.15	
M 1015	M 104	0- 32	38	8	54	1.50	9.3	8.10	
M 1016		-125	36	6	58	7.00	9.1	8.19	3s V4
M 1017		-165	34	4	62	2.60	8.6		
M 1018		-205	34	10	56	7.00	9.4		
M 1019	M 105	0- 30	44	8	48	0.74	9.8	8.40	
M 1020		- 65	44	7	49	1.70	9.7	8.53	6als V10
M 1021		-110	38	9	53	6.50	9.2	8.40	
M 1022		-160	36	5	59	6.50	8.9	8.30	
M 1023		-200	24	11	65	2.00	9.5	8.49	
M 1024	M 106	0- 35	36	7	57	0.90	9.6	8.38	
M 1025		-110	36	11	53	1.00	9.1	8.55	
M 1026		-145	38	11	51	6.00	9.2	8.32	V12
M 1027		-160	40	31	29	6.10	8.4	8.20	
M 1028		-200	38	11	51	5.30	8.7	8.30	
M 1029	M 107	0- 20	38	12	50	0.70	9.4	8.40	
M 1030		-65	23	12	65	0.72	9.7	8.75	6a V12
M 1031		-165	32	9	59	7.00	9.1	8.30	3s V12
M 1032		-200	32	11	57	2.20	9.4	8.45	
M 1033	M 108	0- 25	38	11	51	0.65	9.5	8.48	
M 1034		- 58	32	11	57	0.70	9.6	8.68	
M 1035		-116	32	27	41	8.00	8.6	8.40	3s V12
M 1036		-138	29	12	59	6.00	9.0	8.42	
M 1037	M 109	0- 28	41	12	47	0.60	9.5	8.45	
M 1038		- 63	21	14	65	7.00	9.2	8.65	
M 1039		-122	33	10	57	3.70	9.4	8.45	61s V2
M 1040		-205	27	12	61	2.20	9.6	8.48	

Table 1.4

Sample No.	Bore No.	Depth (cm)	Mechanical Analyses			E.C. mmhos/ cm at 25°C.	pH 1 : 5	pH Paste	Land & Soil Class
			Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay .002 mm.				
M 1041	M 110	0- 30	35	12	53	0.68	9.6	8.65	
M 1042		- 65	31	12	57	2.20	9.5	8.70	
M 1043		-120	29	12	59	2.80	9.5	8.68	6a V12
M 1044		170-210	28	16	56	1.00	9.7	8.82	
M 1045	M 111	0- 32	32	10	58	0.86	9.6	8.76	
M 1046		- 84	30	10	60	1.50	9.6	8.85	
M 1047		-155	28	10	62	6.50	9.1	8.48	6a V12
M 1048		-203	24	10	66	5.50	8.9	8.30	
M 1049	M 112	0- 20	31	20	49	0.65	9.0	8.35	
M 1050		- 72	31	18	51	0.65	9.2	8.38	
M 1051		-130	35	16	49	5.50	8.2	8.45	31 V2
M 1052		-150	29	14	57	2.70	9.3	8.55	
M 1053		-200	30	37	33	6.00	8.8		
M 1054			29	35	36	6.50	8.7		
M 1055	M 113	0- 45	29	10	61	1.10	9.5	8.65	
M 1056		-105	27	12	61	6.50	8.8	8.40	
M 1057		-150	26	18	56	7.50	8.4	8.45	3s V4
M 1058		-200	14	18	68	3.80	9.0	8.42	
M 1059	M 114	0- 25	36	10	54	0.60	9.4	8.49	
M 1060		- 90	32	10	58	1.50	9.4	8.60	
M 1061		-135	24	14	62	6.00	8.6	8.48	2 V4
M 1062		-202	24	14	62	4.00	8.9	8.35	
M 1063	M 115	0- 22	44	10	46	1.00	8.6	8.32	
M 1064		- 84	36	10	54	7.00	8.9	8.55	
M 1065		-125	32	8	60	8.00	9.7		61s V2
M 1066		-210	54	10	36	2.50	9.7	8.98	
M 1067	M 116	0- 30	38	14	48	0.77	9.2	8.42	
M 1068		-130	38	10	52	7.65	8.6	8.40	
M 1069		-170	26	14	60	7.20	8.4	8.60	31s V2
M 1070		-205	34	10	56	0.43	8.6	8.38	
M 1071	M 117	0- 35	38	12	50	0.61	9.2	8.42	
M 1072		-110	32	12	56	1.65	9.2	8.46	
M 1073		-180	25	15	60	5.30	9.1	8.55	2 V4
M 1074		-230	33	13	54	3.40	9.3	8.80	
M 1075	M 118	0- 24	41	11	48	1.20	9.5	8.65	
M 1076		- 50	33	13	54	7.00	8.5	8.40	
M 1077		-120	37	14	49	8.50	8.4	8.50	61s V2
M 1078		-215	21	17	62	2.80	9.3	8.90	

Table 1.4

Sample No.	Bore No.	Depth (cm)	Mechanical Analyses			E.C. mmhos/cm at 25°C.	pH 1 : 5	pH Paste	Land & Soil Class
			Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay .002 mm.				
M 1079	M 119	0- 30	33	17	50	2.40	8.2	8.25	
M 1080		-170	31	9	60	9.00	9.0		
M 1081		-200	23	13	64	6.00	8.9		3s V4
M 1082		-250	19	15	66	2.45	9.2		
M 1083	M 120	0- 25	39	11	50	0.75	9.4		
M 1084		- 82	31	13	56	4.75	8.5		
M 1085		-130	25	11	64	8.50	8.6		
M 1086		-160	21	9	70	8.00	8.7		2 V4
M 1087		-200	17	11	72	4.25	9.2		
M 1088		-231	17	11	72	1.11	9.4		

Table 1.4

Sample No.	Bore No.	Depth (cm)	Mechanical Analyses			E.C. mmhos/ cm at 25°C.	pH 1 : 5	pH Paste	Land & Soil Class
			Sand 2.0-0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.				
R 1001	R 101	0- 24	51	7	42	0.76	9.6		
R 1002		- 55	49	7	44	6.00	9.2	8.45	
R 1003		-107	59	7	34	4.50	9.2		6alV10
R 1004		-164	77	5	18	2.00	9.3		
R 1005	R 102	0- 26	37	9	54	1.00	8.5	8.70	
R 1006		- 60	31	19	50	9.00	8.4	8.20	6s V4
R 1007		-170	51	17	32	3.40	9.4	8.39	
R 1008	R 103	0- 25	41	15	44	2.00	8.4	8.00	
R 1009		-85	26	12	62	8.00	8.5	8.35	31s V2
R 1010		-167	16	18	66	4.20	8.7		
R 1011	R 104	0- 40	32	12	56	0.70	8.3	8.30	
R 1012		- 80	22	24	54	10.00	8.3		6 1 V4
R 1013		-110	20	18	62	8.50	8.4		
R 1014	R 105	0- 10	54	10	36	0.72	8.5	8.20	
R 1015		- 49	46	6	48	1.90	9.3	8.38	31s V2
R 1016		-158	46	8	46	8.00	8.8	8.30	
R 1017	R 106	0- 18	38	8	54	1.05	9.4	8.45	
R 1018		- 38	38	8	54	2.20	9.5	8.54	31s V4
R 1019		-60	30	16	54	8.00	8.4	8.21	
R 1020		-112	26	12	62	8.00	8.5	8.20	
R 1021	R 107	0- 33	34	10	56	1.20	9.5	8.70	
R 1022		- 54	28	14	58	2.60	9.7	8.65	3s V4
R 1023		- 89	30	6	64	8.00	8.4	8.35	
R 1024		-170	20	14	66	5.00	9.2	8.30	
R 1025	R 108	0- 27	46	12	42	0.72	9.6	8.40	
R 1026		- 54	40	12	48	1.40	9.8	8.60	
R 1027		-107	42	6	52	3.00	8.9	8.41	61aV10
R 1028		-170	32	16	52	3.00	9.4	8.38	
R 1029	R 109	0- 21	86	1	13	0.26	8.7	8.25	
R 1030		- 74	88	1	11	0.21	8.6		4 E2
R 1031		-175	78	2	20	0.41	8.4	8.05	
R 1032	R 110	0- 20	62	10	28	0.39	9.2		
R 1033		- 66	66	6	28	1.60	9.7	8.98	4 E6
R 1034		-116	72	4	24	2.60	9.7	8.70	

Table 1.4

Sample No.	Bore No.	Depth (cm)	Mechanical Analyses			E.C. mmhos/cm at 25°C.	pH 1 : 5	pH Paste	Land & Soil Class
			Sand 2.0-0.02 mm.	Silt 0.02-0.002 mm.	Clay .002 mm.				
R 1035	R 111	0- 10	40	10	50	0.50	9.4	8.50	
R 1036		- 33	36	10	54	0.64	9.5	8.49	
R 1037		- 85	32	10	50	2.00	9.6		2 V4
R 1038		-144	42	10	48	4.50	9.5		
R 1039	R 112	0- 20	40	12	48	8.71	9.1	8.30	
R 1040		- 64	32	12	56	6.10	8.6	8.20	61s V1
R 1041		-101	28	36	36	9.00	8.0	8.21	
R 1042	R 113	0- 36	48	10	42	1.80	9.0	8.30	
R 1043		-148	32	6	62	5.00	8.6	8.45	31 V2
R 1044	R 114	0- 34	38	18	44	3.20	8.0	8.33	
R 1045		-160	22	10	68	5.00	8.8	8.48	31 V2
R 1046	R 115	0- 37	42	15	43	0.80	9.4	8.42	
R 1047		- 69	38	15	47	7.00	8.9	8.25	31s V2
R 1048		-147	30	17	53	7.50	9.0	8.25	
R 1049	R 116	0- 49	38	13	49	4.00	9.1	8.25	
R 1050		- 97	30	17	53	12.20	8.8	8.29	61s V2
R 1051		-147	58	11	31	6.00	9.1	8.32	

Table 1.5 LABORATORY ANALYSES FROM 860 AUGER BORINGS

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na meq/ 100 g.	E.S.P.
				Sand 2.0-.02mm	Silt .02 - 0.002mm	Clay .002 mm			
1	2	3	4	5a	5b	5c	6	7	8
C 136	3s V4	C 1106	0-50	35	5	60	0.95	5.88	10
		C 1107	-130	21	11	68	7.50	8.36	12
		C 1108	-200	31	13	56	7.00	7.88	14
C 137	2 V4	C 1109	0-50	49	1	50	0.38	5.47	11
		C 1110	-100	38	6	56	5.50	7.57	14
		C 1111	-200	26	10	64	6.25	7.26	11
		C 1112	-300	39	9	52	2.60	7.88	15
C 138	31 V2	C 1113	0-50	45	7	48	1.80	5.87	12
		C 1114	-100	43	5	52	5.00	7.61	15
		C 1115	-200	37	1	62	8.75	11.09	18
C 139	6s V11	C 1116	0-50	31	13	56	5.75	8.96	16
		C 1117	-100	24	16	60	6.25	8.73	15
		C 1118	-200	28	14	58	3.10	8.09	26
C 140	31 V2	C 1119	0-50	52	8	40	1.25	3.21	8
		C 1120	-100	38	8	54	5.75	6.52	12
		C 1121	-200	34	10	56	9.00	8.43	15
C 141	3a1s V2	C 1122	0-50	42	10	48	1.40	6.39	13
		C 1123	-100	44	6	50	7.00	8.47	17
		C 1124	-200	34	6	60	7.75	8.09	13
C 142	3s V4	C 1125	0-50	34	10	56	1.70	6.39	11
		C 1126	-100	30	8	62	8.00	8.05	13
		C 1127	-200	22	16	62	7.00	8.07	13
C 143	3s V4	C 1128	0-50	36	10	54	1.40	6.52	12
		C 1129	-150	26	14	60	7.50	7.83	13
		C 1130	-200	44	18	58	4.50	8.26	14
C 144	2 V4	C 1131	0-50	26	14	60	2.70	7.61	13
		C 1132	-125	20	20	60	1.60	7.96	13
		C 1133	-200	20	16	64	6.00	8.78	14

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C	Exch. Na meq/ 100 g.	E.S.P.
				Sand 2.0 - .02 mm	Silt .02 - 0.002mm	Clay .002 mm			
1	2	3	4	5a	5b	5c	6	7	8
C 145		C 1134	0-50	28	12	60	9.00	5.49	9
	6s V3	C 1135	-125	18	14	68	5.50	6.35	9
	or V7	C 1136	-200	36	12	52	0.85	7.00	13
C 146		C 1137	0-50	48	20	44	0.80	4.43	10
	31 V2	C 1138	-125	44	6	50	2.60	6.00	12
	or V6	C 1139	-200	64	0	36	2.58	5.56	15
C 147		C 1140	0-50	42	8	50	0.65	5.01	10
	2 V4	C 1141	-100	36	10	54	3.00	5.82	11
		C 1142	-200	50	8	42	1.50	6.08	14
C 148		C 1143	0-50	44	6	50	1.80	7.00	14
	6s V4	C 1144	-100	32	6	62	9.00	7.02	11
		C 1145	-200	66	6	28	8.00	8.01	29
C 149		C 1146	0-50	39	8	53	0.75	6.52	12
	3as V4	C 1147	-100	47	8	45	6.00	7.10	16
		C 1148							
C 150	6a V2	C 1149	0-50	39	14	47	1.25	5.1	11
		C 1150	-100	45	11	44	2.60	12.9	29
		C 1151	-200				2.00		
C 151	3as V4	C 1152	0-50	37	10	53	0.60	7.1	13
		C 1153	-100	40	11	49	6.00	13.8	28
		C 1154	-210				6.20		
C 152	3al V2	C 1155	0-50	41	12	47	0.80	5.7	12
		C 1156	-100	49	7	47	5.50	11.7	25
		C 1157	-200				6.00		
C 153	6a V2	C 1158	0-50	37	10	53	2.40	5.1	10
		C 1159	-100	36	18	46	6.20	15.8	36
		C 1160	-200				5.50		
C 154	6a V2	C 1161	0-50	37	18	45	3.20	5.7	13
		C 1162	-100	61	10	29	8.00	14.0	48
		C 1163	-200				7.20		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/ cm at 25°C	Exch. Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02 mm	Silt .02 - 0.002mm	Clay .002 mm			
1	2	3	4	5a	5b	5c	6	7	8
C 155	3a V4	C 1164	0-50	38	5	57	0.75	6.3	11
		C 1165	-100	41	9	50	2.40	10.7	21
		C 1166	-200				7.00		
C 156	6a V10	C 1167	0-50	41	10	49	1.00	9.5	19
		C 1168	-100				6.50		
		C 1169	-200				1.00		
C 157	6a V2	C 1170	0-50	37	14	49	2.10	2.7	6
		C 1171	-100	49	6	45	7.00	20.5	45
		C 1172	-200				5.00		
C 158	4a/ 6a V12	C 1173	0-50	22	16	62	0.72	11.3	18
		C 1174	-100				5.50		
		C 1175	-200				2.80		
C 159	4a/ 6a V12	C 1176	0-50	39	10	51	1.50	8.0	16
		C 1177	-100				7.00		
		C 1178	-200				7.00		
C 160	6a V6	C 1179	0-50	53	8	39	0.92	3.9	10
		C 1180	-100	55	8	37	5.50	11.9	32
		C 1181	-200				7.00		
C 161	3al V2	C 1182	0-50	43	14	43	0.75	4.0	9
		C 1183	-100	45	14	41	3.60	10.4	25
		C 1184	-200				4.00		
C 162	6a V2	C 1185	0-50	46	5	49	0.62	6.6	13
		C 1186	-100	45	14	41	5.00	12.0	29
		C 1187	-200				7.00		
C 163	3as V4	C 1188	0-50	33	12	55	0.80	7.7	14
		C 1189	-100				7.00	12.6	
		C 1190	-200				2.50		
C 164	31 V2	C 1191	0-50	52	10	38	1.00	4.0	11
		C 1192	-100	60	16	24	1.40	0.2	1
		C 1193	-200				1.40		
C 165	6a V12	C 1194	0-50	26	12	62	0.80	13.0	21
		C 1195	-100				6.80		
		C 1196	-200				5.00		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Sand 2.0 - .02 mm	Silt .02 - 0.002mm	Clay .002 mm	E.C. mmhos/cm at 25°C.	Exch. Na meq/ 100 g.	E.S.P.
C 166	6a V2	C 1197	0-50	41	12	47	3.80	6.0	13
		C 1198	-100	48	10	42	8.00	16.7	40
		C 1199	-200				4.00		
C 167	6s V2	C 1200	0-50	53	8	39	3.20	5.3	14
		C 1201	-100				9.00		
		C 1202	-200				8.00		
C 168	6a V2	C 1203	0-50	39	12	49	2.60	2.9	6
		C 1204	-100	40	12	48	8.00	20.0	41
		C 1205	-200				10.00		
C 169	6a V10	C 1206	0-50	45	8	47	1.00	8.6	18
		C 1207	-100				3.20		
		C 1208	-200				1.35		
C 170	3s V3	C 1209	0-50	37	10	53	5.00	7.2	14
		C 1210	-100				5.00		
		C 1211	-200				4.00		
C 171	31s V2	C 1212	0-50	45	10	45	2.30	2.7	6
		C 1213	-100				6.50		
		C 1214	-200				7.50		
C 172	3als V2	C 1215	0-50	47	8	45	1.00	6.6	15
		C 1216	-100	50	8	42	6.00	10.2	24
		C 1217	-200				6.00		
C 173	4a/ 6a V12	C 1218	0-50	37	10	53	1.50	8.5	16
		C 1219	-100				5.00		
		C 1220	-200				6.50		
C 174	4a/ 6a V12	C 1221	0-50	30	15	55	1.40	10.2	19
		C 1222	-100				8.00		
		C 1223	-200				7.00		
C 175	6a V4	C 1224	0-50	34	13	53	2.00	5.6	11
		C 1225	-100	38	14	48	6.00	14.1	29
		C 1226	-200				6.50		
C 176	6a V10	C 1227	0-50	40	11	49	2.10	10.7	22
		C 1228	-100				7.50		
		C 1229	-200				6.50		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na Meq/ 100g.	E.S.P.
				Sand 2.0 - .02 mm	Silt .02 - 0.002mm	Clay .002 mm			
1	2	3	4	5a	5b	5c	6	7	8
C 177	6a V12	C 1230	0-50	34	15	51	0.55	13.9	27
		C 1231	-100	48	8	44	7.00	14.0	31
		C 1232	-200				2.90		
C 178	4a/ V12	C 1233	0-50	36	13	51	0.80	8.3	16
	6a	C 1234	-100				6.50		
		C 1235	-200				6.00		
C 179	6a V12	C 1236	0-50	36	13	51	1.00	10.0	20
		C 1237	-100				5.00		
		C 1238	-200				3.00		
C 180	6a V10	C 1239	0-50	47	4	49	1.05	10.0	20
		C 1240	-100				7.25		
		C 1241	-200				2.90		
C 181	6a V4	C 1242	0-50	30	15	55	1.30	7.1	13
		C 1243	-100	35	11	54	7.50	16.5	30
		C 1244	-200				7.50		
C 182	3als V2	C 1245	0-50	38	19	43	1.15	6.0	14
		C 1246	-100				7.25	10.8	
		C 1247	-200				2.40		
C 183	31s V2	C 1248	0-50	34	17	49	1.60	6.1	12
	6a	C 1249	-100	38	14	48	6.50	15.5	32
		C 1250	-200				8.00		
		C 1251	-300				3.10		
C 184	6a V10	C 1252	0-50	42	11	47	0.40	9.0	19
		C 1253	-100				8.00		
		C 1254	-200						
C 185	6a V2	C 1255	0-50	40	13	47	1.20	6.8	14
		C 1256	-100	35	11	54	5.00	14.6	27
		C 1257	-200				6.00		
C 186	6a V10	C 1258	0-50	42	11	47	0.64	7.5	16
		C 1259	-100				6.00		
		C 1260	-200				6.75		
C 187	6a V10	C 1261	0-50	40	11	49	1.50	8.3	17
		C 1262	-100				7.00		
		C 1263	-200				8.50		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C	Exch. Na. Meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
C 188	6a V10	C 1264	0-50	32	19	49	2.30	9.8	20
		C 1265	-100				7.50		
		C 1266	-200				7.50		
C 189	6a V4	C 1267	0-50	36	11	53	1.60	7.2	14
		C 1268	-100	48	7	45	6.00	17.8	40
		C 1269	-200				3.30		
C 190	6a V2	C 1270	0-50	46	9	45	3.30	5.1	11
		C 1271	-100				2.20	13.9	
		C 1272	-200				8.00		
C 191	6a V2	C 1273	0-50	44	13	43	1.65	5.2	12
		C 1274	-100	29	11	60	6.50		
		C 1275	-200				7.00		
C 192	6a V2	C 1276	0-50	42	13	45	5.00	4.9	11
		C 1277	-100				8.00		
		C 1278	-200				4.50		
C 193	3as V4	C 1279	0-50	36	13	51	1.30	4.9	10
		C 1280	-100				7.50	13.6	
		C 1281	-200				2.80		
C 194	6a V2	C 1282	0-50	38	13	49	2.60	3.1	6
		C 1283	-100	37	17	46	7.20	15.9	34
		C 1284	-200				4.00		
C 195	4a/ V12	C 1285	0-50				4.00	7.9	
	6a	C 1286	-100				5.50		
		C 1287	-136				2.00		
C 196	6a E4	C 1288	0-50	53	23	24	0.42	3.0	12
		C 1289	-100	60	12	28	1.65	7.7	27
		C 1290	-200				1.65		
C 197	6a V10	C 1291	0-50	46	9	45	0.70	7.3	16
		C 1292	50-100				2.50		
		C 1293	175-200				1.25		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis.			E.C. mmhos/cm at 25°C.	Exch. Na Meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002 mm			
1	2	3	4	5a	5b	5c	6	7	8
C 198	6a V10	C 1294	0-50	53	9	38	1.25	13.1	34
		C 1295	-66				1.35		
C 199	6a E5	C 1296	0-50	56	10	34	0.38	5.6	16
		C 1297	-100				1.23		
		C 1298	-210				2.40		
C 200	3a1 V2	C 1299	0-75	52	10	38	1.00	5.3	14
		C 1300	-125	59	5	36	1.80	8.1	22
		C 1301	-200				0.70		
C 201	2 V4	C 1302	0-50	35	8	57	0.56	5.5	10
		C 1303	-100				4.75	5.6	
		C 1304	-200				2.50		
C 202	41 E6	C 1305	0-50	69	3	28	0.30	0.9	3
		C 1306	-100	78	7	15	0.90	1.25	8
		C 1307	-200				0.54		
C 203	6a E3	C 1308	0-50	72	5	23	1.40	7.5	33
		C 1309	-100	67	5	28	1.44		
		C 1310	-200	72	5	23	1.32		
C 204	6a V10	C 1311	0-50	57	5	38	0.72	8.6	23
		C 1312	-100				2.00		
		C 1313	-200				1.20		
C 205	6a E3	C 1314	0-50	78	3	19	0.22	7.7	40
		C 1315	-100	77	2	21	1.55		
		C 1316	-200	73	8	19	2.10		
		C 1317	-300	80	5	15	2.21		
C 206	41 E2	C 1318	0-50	86	1	13	0.28	0.4	3
		C 1319	-100	78	1	21	0.26	0.8	4
		C 1320	-200	78	1	21	0.40		
C 207	41 E4	C 1321	0-50	76	3	21	0.32	0.8	4
		C 1322	-100	74	3	23	1.00		
		C 1323	-200	65	5	30	2.30		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25° C	Exch. Na meq/ 100g.	E.S.P
				Sand 2.0 - 0.02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
C 208	6a V10	C 1324	0-50	54	8	38	1.20	8.2	22
		C 1325	-100				1.70		
		C 1326	-200	74	3	23	1.30		
C 209	6a V10	C 1327	0-50	63	5	32	0.60	5.2	16
		C 1328	-100				1.25		
		C 1329	-200	78	3	19	0.92		
C 210	31 V2	C 1330	0-50	54	8	38	0.45	3.1	8
		C 1331	-125				3.10		
		C 1332	-200	55	20	25	2.00		
C 211	6as V10	C 1333	0-50	40	13	47	1.10	8.3	18
		C 1334	-125				8.20		
		C 1335	-200				3.80		
C 212	41 E6	C 1336	0-50	57	9	34	0.52	1.1	3
		C 1337	-100	67	9	24	2.40		
		C 1338	-200				4.00		
C 213	4a/ V12	C 1339	0-50	36	13	51	0.24	9.4	18
	6a	C 1340	-100				3.60		
		C 1341	-200				2.70		
C 214	4a/ V12	C 1342	0-50	32	13	55	4.00	10.6	19
	6a	C 1343	-100				7.80		
		C 1344	-200				2.40		
C 215	6a V2	C 1345	0-50	57	7	36	1.10	5.3	15
		C 1346	-100	65	10	25	1.90	11.6	46
		C 1347	-200				1.30		
C 216	6as V10	C 1348	0-50	51	11	38	0.50	8.0	21
		C 1349	-100				8.40		
		C 1350	-200				7.20		
C 217	6a V10	C 1351	0-50	38	13	49	2.00	10.8	22
		C 1352	-100				8.00		
		C 1353	-200				2.90		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25° C.	Exch. Na Meq/ 100g.	E.S.P.
				Sand 2.0 - .02 mm	Silt .02 - 0.002mm	Clay .002 mm			
1	2	3	4	5a	5b	5c	6	7	8
C 218	6a V10	C 1354	0-50	55	9	36	2.00	6.7	19
		C 1355	-100	59	7	34	2.30		
		C 1356	-195	53	28	19	2.60		
C 219	4a/ V12	C 1357	0-50	36	13	51	0.80	7.7	15
	6a	C 1358	-100				5.50		
		C 1359	-200				7.50		
C 220	6s V2	C 1360	0-50	51	11	38	2.80	5.2	14
		C 1361	-100				9.00		
		C 1362	-200				7.50		
C 221	6sa V12	C 1363	0-50	36	11	53	2.40	10.1	19
		C 1364	-100				8.50		
		C 1365	-200				6.00		
C 226	6as V9	C 1394	0-54	59	6	35	4.75	7.4	21
		C 1395	-108				10.20		
		C 1396	-200				8.50		
C 227	41 E6	C 1397	0-50	63	4	33	0.75	3.7	11
		C 1398	-100	55	11	34	5.40	7.2	21
		C 1399	-200				4.25		
C 228	6as V9	C 1400	0-50	41	15	44	5.50	10.8	25
		C 1401	-100				6.50		
		C 1402	-200				7.00		
C 229	6as V9	C 1403	0-50	39	17	44	5.80	10.0	23
		C 1404	-100				7.80		
		C 1405	-200				6.25		
C 230	41 E4	C 1406	0-50	73	6	21	0.40	0.5	2
		C 1407	-100	57	5	38	0.65	1.9	5
		C 1408	-200				0.90		
		C 1409	0-50				0.28		
		C 1410	-100				0.78		
		C 1411	-200				1.35		
C 231	6a V9	C 1412	0-50	54	8	38	4.50	6.1	16
		C 1413	-100				7.50		
		C 1414	-200				6.00		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C.mmhos/cm at 25°C.	Exch. Na Meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
C 232	3asl V2	C 1415	0-50	39	13	48	3.50	6.2	13
		C 1416	-100	22	17	61	8.00	11.3	18
		C 1417	-200				7.00		
C 233	6a V9	C 1418	0-50	39	15	46	5.20	7.4	16
		C 1419	-100				7.50		
		C 1420	-200				5.25		
C 234	6as V9	C 1421	0-50	43	9	48	1.36	8.1	17
		C 1422	-100				8.50		
		C 1423	-200				3.20		
C 235	6as V9	C 1424	0-50	35	17	48	7.00	10.6	22
		C 1425	-100				8.50		
		C 1426	-162				8.25		
C 236	3asl V2	C 1427	0-50	43	11	46	1.90	2.9	6
		C 1428	-100	27	17	56	7.00	12.8	23
		C 1429	-200				7.75		
C 237	3s V2	C 1430	0-50	38	12	50	2.30	5.1	10
		C 1431	-100				7.00		
		C 1432	-200				6.50		
C 238	6a V9	C 1433	0-50	42	10	48	4.75	10.0	21
		C 1434	-100				6.50		
		C 1435	-200				3.20		
C 239	6s V2	C 1436	0-50	43	19	38	2.70	3.1	8
		C 1437	-100				9.00		
		C 1438	-200				8.00		
C 241	4a/ V12	C 1439	0-55	31	15	54	1.90	10.8	20
	6a	C 1440	-111				7.50		
C 242	6a V12	C 1441	0-50	32	15	53	2.20	11.0	21
		C 1442	-100				7.50		
		C 1443	-200				4.25		
C 243	6as V12	C 1444	0-50	36	13	51	4.00	11.2	22
		C 1445	-100				9.00		
		C 1446	-200				4.25		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na Meq/ 100 g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
C 244	6as V9	C 1447	0-50	36	15	49	4.20	7.6	16
		C 1448	-100				8.50		
		C 1449	-200				8.00		
C 245	6sa V11	C 1450	0-50	32	13	55	7.50	18.4	33
		C 1451	-100				8.50		
		C 1452	-200				7.00		
C 246	6as V10	C 1453	0-50	40	13	47	3.40	10.5	22
		C 1454	-100				9.00		
		C 1455	-200				8.00		
C 248	6a V9	C 1456	0-50	43	13	44	5.00	9.6	22
		C 1457	-100				8.00		
		C 1458	-200				3.80		
C 249	6s V1	C 1459	0-50	43	11	46	4.40	6.6	14
		C 1460	-100				8.50		
		C 1461	-200				2.20		
C 250	6sa V12	C 1462	0-50	34	13	53	4.00	9.8	18
		C 1463	-100	35	7	58	10.00		
		C 1464	-200	37	19	44	3.40		
C 251	6as V9	C 1465	0-50	42	15	43	4.50	7.7	18
		C 1466	-100	28	7	65	8.50		
		C 1467	-200	18	11	71	6.00		
C 252	6a V9	C 1468	0-50	36	17	47	5.20	10.8	23
		C 1469	-100	21	22	57	5.20		
		C 1470	-200	21	16	63	3.00		
C 253	6sa V11	C 1471	0-50	36	9	55	5.00	9.5	17
		C 1472	-100	21	7	72	8.50		
		C 1473	-200	17	9	74	6.50		
C 254	6a V10	C 1474	0-50	50	6	44	0.64	9.0	20
		C 1475	-100	46	11	43	5.00		
		C 1476	-200	73	8	19	2.00		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na Meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002 mm			
1	2	3	4	5a	5b	5c	6	7	8
C 255	6a E6	C 1477	0-50	56	13	31	3.10	13.8	45
		C 1478	-100	63	6	31	3.80		
		C 1479	-147	56	13	31	1.90		
C 256	6as V9	C 1480	0-50	42	17	41	6.20	9.6	23
		C 1481	-100	30	20	50	7.00		
		C 1482	-200	24	13	63	7.00		
C 258	6a V9	C 1483	0-50	38	13	48	2.60	11.1	23
		C 1484	-100				8.00		
		C 1485	-158				3.30		
C 259	6a V10	C 1486	0-50	52	4	44	0.96	12.1	27
		C 1487	-100				3.30		
		C 1488	-200				2.00		
C 260	6a V10	C 1489	0-50	56	4	40	3.70	10.2	25
		C 1490	-100				7.00		
		C 1491	-200				3.00		
C 261	6a V10	C 1492	0-50	59	6	35	1.32	11.1	32
		C 1493	-100				1.90		
		C 1494	-200				2.80		
C 262	6a V10	C 1495	0-50	40	11	49	1.20	11.4	23
		C 1496	-100				6.75		
		C 1497	-200				3.50		
C 263	4a/ V12	C 1498	0-50	33	13	54	0.88	10.5	19
	6a	C 1499	-100			2.00	2.00		
C 264	31 V2	C 1500	0-50	49	8	43	0.44	2.9	7
		C 1501	-100	42	7	51	0.60	3.2	6
		C 1502	-200				3.38		
C 265	6as V9	C 1503	0-50	38	17	45	5.50	20.6	46
		C 1504	-100				5.20		
		C 1505	-200				5.20		
C 267	6a V10	C 1506	0-50	50	8	42	1.14	11.9	28
		C 1507	-100				5.50		
		C 1508	-200				3.20		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na Meq/ 100g.	E.S.P.
				Sand 2.0 - .02 mm	Silt .02 - 0.002mm	Clay .002 mm			
1	2	3	4	5a	5b	5c	6	7	8
C 268	6a V2	C 1509	0-50	37	15	48	2.40	6.1	13
		C 1510	-100	39	15	46	1.64	17.0	37
		C 1511	-200				1.00		
C 269	41 E4	C 1512	0-50	69	4	27	0.38	1.7	6
		C 1513	-100	77	2	21	0.42	0.8	4
		C 1514	-200				0.81		
		C 1515	-300				0.97		
C 270	6a V2	C 1516	0-50	42	11	47	3.90	5.2	11
		C 1517	-100	29	13	58	3.80	24.5	42
		C 1518	-200				3.40		
C 271	6a V12	C 1519	0-50	35	10	55	1.80	12.0	22
		C 1520	-100				2.80		
		C 1521	-129				2.10		
C 272	3als/V1	C 1522	0-50	45	10	45	4.20	6.7	15
	6a	C 1523	-100				6.80		
		C 1524	-200				4.40		
C 273	3as/V11	C 1525	0-50	30	13	57	4.50	8.8	15
	6a	C 1526	-100				8.00		
		C 1527	-200				5.90		
C 274	4a/6a V11	C 1528	0-50	38	11	51	4.20	8.8	17
		C 1529	-100				8.00		
		C 1530	-175				1.40		
C 275	3as/V4	C 1531	0-50	37	11	52	2.50	5.0	10
	6as	C 1532	-100	32	12	56	8.00	14.8	26
		C 1533	-200				10.00		
C 276	6as V9	C 1534	0-50	45	11	44	6.00	8.6	20
		C 1535	-100				8.20		
		C 1536	-200				6.00		
C 277	6sa V12	C 1537	0-50	26	11	63	1.20	10.8	17
		C 1538	-100				8.50		
		C 1539	-164				7.80		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25° C.	Exch. Na Meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
C 278	6s V3	C 1540	0-50	29	15	56	5.75	8.2	15
		C 1541	-100				7.10		
		C 1542	-200				5.80		
C 279	4a/ V12	C 1543	0-50	35	12	53	1.55	8.2	15
	6a	C 1544	-100				8.00		
		C 1545	-200				8.40		
C 280	6sa V9	C 1546	0-50	34	16	50	7.00	10.8	22
		C 1547	-100				9.00		
		C 1548	-200				5.50		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002 mm			
1	2	3	4	5a	5b	5c	6	7	8
E 123		E 1081	0-30	46	15	39	0.75	3.21	8
	31 V2	E 1082	-100	38	8	54	1.45	6.57	12
		E 1083	-200	38	8	54	7.25	6.70	12
E 124		E 1084	0-60	20	16	64	1.90	6.00	9
	2 V4	E 1085	-100	20	20	60	5.50	7.90	13
		E 1086	-200	39	2	59	5.25	5.78	10
E 125		E 1087	0-40	30	10	60	0.90	4.48	7
	2 V4	E 1088	-100	29	11	60	4.75	7.22	12
		E 1089	-200	41	8	51	5.75	6.10	12
E 126		E 1090	0-50	32	10	58	0.68	6.37	11
	2 V4	E 1091	-100	28	12	60	4.00	7.22	12
		E 1092	-200	38	9	53	4.75	5.95	11
E 127		E 1093	0-100	32	15	53	0.90	5.17	10
	2 V4	E 1094	-200	35	13	52	0.95	6.17	10
E 128		E 1095	0-50	35	13	52	1.74	4.62	9
	2 V4	E 1096	-100	33	11	56	1.30	6.29	11
		E 1097	-200	39	9	52	0.88	6.47	12
E 129		E 1098	0-50	38	10	52	1.36	5.71	11
	2 V4	E 1099	-100	23	11	66	2.90	8.13	12
		E 1100	-200	29	14	57	1.20	10.00	18
E 130		E 1101	0-50	22	20	58	1.56	7.00	12
	3a V4	E 1102	-100	28	10	62	2.05	10.15	16
		E 1103	-200	31	15	54	1.52	10.15	16
E 131		E 1104	0-30	32	9	59	0.92	8.72	15
	2 V4	E 1105	-100	22	21	67	4.50	10.13	15
		E 1106	-180	25	11	64	1.70	10.59	17
E 132		E 1107	0-60	32	8	60	1.20	13.22	22
	6a V12	E 1108	-100	18	19	63	7.50	11.45	18
		E 1109	-200	18	13	69	6.00	10.53	15
E 133		E 1110	0-50	29	5	66	1.30	8.84	13
	2 V4	E 1111	-100	39	5	66	5.50	10.09	15
		E 1112	-200	23	13	64	2.50	11.83	18

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na meq/ 100g.	E.P.S.
				Sand 2.0 - .02 mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
E 134		E 1113	0-50	37	5	58	0.60	7.56	13
	3as V4	E 1114	-100	30	13	57	6.00	9.10	16
		E 1115	-200	23	11	66	6.00	9.39	14
E 135		E 1116	0-50	34	10	56	1.92	8.43	15
	3as V4	E 1117	-100	35	13	52	5.50	10.06	19
		E 1118	-200	27	15	58	2.40	10.89	19
E 136		E 1119	0-50	37	10	53	1.60	6.98	13
	3a V4	E 1120	-100	29	11	60	1.50	10.50	17
		E 1121	-200	31	11	58	1.24	11.05	19
E 137		E 1122	0-30	34	9	57	0.75	6.87	12
	2 V4	E 1123	-110	24	11	65	2.10	9.54	15
		E 1124	-200	36	7	57	2.00	9.55	17
E 138		E 1125	0-100	30	10	60	0.55	13.35	22
	6a V12	E 1126	-200	28	8	64	1.05	9.80	15
E 139		E 1127	0-25	28	12	60	2.20	7.06	12
	3a V4	E 1128	-110	30	9	61	5.00	9.60	16
		E 1129	-200	42	8	50	2.70	11.35	23
E 140		E 1130	0-30	28	12	60	0.76	7.39	12
	2 V4	E 1131	-110	28	10	62	5.50	8.83	14
		E 1132	-200	20	16	64	5.00	8.08	13
E 141		E 1133	0-30	36	7	57	4.75	10.02	18
	4a V11	E 1134	-110	26	10	64	1.00	7.48	12
		E 1135	-200	28	10	62	0.90	11.44	18
E 142		E 1136	0-30	28	13	59	2.40	4.60	8
	2 V4	E 1137	-110	32	6	62	1.50	9.63	15
		E 1138	-200	27	12	61	0.97	14.73	24
E 143	3as V4	E 1139	0-60	32	13	55	2.80		
		E 1140	-100	37	9	54	6.60	11.2	20
		E 1141	-200				2.30		
E 144	3as V6	E 1142	0-30	34	15	51	1.20	2.0	4.0
		E 1143	-130				6.50	12.5	
		E 1144	-200				6.50		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
E 145	4l E6	E 1145	0-70	59	7	34	0.90	4.7	14
		E 1146	-210				2.00	9.7	
		E 1147	-300				0.80		
E 146		E 1148	0-30	46	11	43	1.20		
	6s V10	E 1149	-60				10.00		
		E 1150	-170				7.00		
E 147	6a V10	E 1151	0-30	43	13	44	1.05	9.4	21
		E 1152	-110				4.75		
		E 1153	-200				6.00		
E 148		E 1154	0-70	38	15	47	0.70		
	6a V10	E 1155	-120				2.40		
		E 1156	-200				1.20		
E 149	6a V10	E 1157	0-120	53	9	38	1.20	11.4	30
		E 1158	-200	70	9	21	0.96		
E 150	6a V10	E 1159	0-30	34	11	55	3.50	13.3	24
		E 1160	-110				6.25		
		E 1161	-200				3.80		
E 151	4l E6	E 1162	0-30	72	2	26	0.36	0.0	0
		E 1163	-100				0.50		
		E 1164	-200				0.70		
E 152	2 V4	E 1165	0-30	34	15	51	0.55		
		E 1166	-100				1.04		
		E 1167	-200				1.20		
E 153	31 V2	E 1168	0-90	48	9	43	4.00	4.7	11
		E 1169	-130	47	9	44	6.00	14.3	32
		E 1170	-200				4.25		
E 154		E 1171	0-30	46	11	43	0.70		
	6a V2	E 1172	-130				7.00	16.2	
		E 1173	-200				-		
E 155	2 V4	E 1174	0-30	29	11	60	1.35	7.9	13
		E 1175	-60				4.80		
		E 1176	-110				7.50		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
E 156	6s V11	E 1177	0-30	34	11	55	4.25	9.8	18
		E 1178	-110				9.00		
		E 1179	-200				5.50		
E 157	6s V3	E 1180	0-40	34	11	55	5.50	7.5	14
		E 1181	-120				10.00		
		E 1182	-200				6.20		
E 158	6s V3	E 1183	0-30	27	13	60	4.20	9.0	15
		E 1184	-110				9.00		
		E 1185	-200				9.00		
E 159	2 V4	E 1186	0-30	32	12	56	0.90	4.0	7
		E 1187	-90				1.14		
		E 1188	-200				4.00		
E 160	3as V11	E 1189	0-40	31	8	61	5.00	9.4	15
		E 1190	-90				3.00		
		E 1191	-200				2.10		
E 161	6s E5	E 1192	0-30	31	42	27	6.50	1.4	5
		E 1193	-100				-		
		E 1194	-200				6.20		
E 162	3as V4	E 1195	0-30	38	8	54	1.60	5.6	10
		E 1196	-110	37	12	51	6.00	9.6	19
		E 1197	-200				3.80		
E 163	6a V4	E 1198	0-40	31	8	61	0.96	8.8	14
		E 1199	-100	34	12	54	7.50	19.7	37
		E 1200	-200				7.00		
E 164	3sa V4	E 1201	0-60	29	12	59	2.20	5.8	10
		E 1202	-120	39	10	51	8.00	13.4	26
		E 1203	-200				5.25		
E 165	3sa V4	E 1204	0-35	31	10	59	1.30	7.7	13
		E 1205	-100	34	12	54	8.00	12.8	24
		E 1206	-200				6.00		
E 166	3sa V3	E 1207	0-30	38	10	52	4.50	6.3	12
		E 1208	-150	39	10	51	7.50	11.9	23
		E 1209	-200				6.50		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002 mm			
1	2	3	4	5a	5b	5c	6	7	8
E 167	31saV2	E 1210	0-30	34	22	44	2.20	0.5	1
		E 1211	-120				7.50		
		E 1212	-200				6.50		
E 168	6s V2	E 1213	0-30	32	24	44	2.60	2.3	5
		E 1214	-110				8.50		
		E 1215	-200				7.00		
E 169	31s V2	E 1216	0-30	46	8	46	0.50	3.3	7
		E 1217	-90	52	5	43	6.00	6.6	15
		E 1218	-200				2.90		
E 170	3s V4	E 1219	0-30	31	10	59	2.00	2.5	4
		E 1220	-120	36	6	58	7.50		
		E 1221	-200				7.00		
E 171	3sa V4	E 1222	0-30	29	12	59	0.90	1.8	3
		E 1223	-120	34	12	54	6.20	10.7	20
		E 1224	-200				7.25		
E 172	3sa V4	E 1225	0-30	32	16	52	1.35	3.5	7
		E 1226	-120				7.00	9.6	
		E 1227	-200				6.50		
E 173	31s V2	E 1228	0-30	34	18	48	1.90	1.2	3
		E 1229	-110				8.00		
		E 1230	-200				6.50		
E 174	3s V4	E 1231	0-30	29	17	54	0.90	2.1	4
		E 1232	-110				7.50		
		E 1233	-200				8.00		
E 175	3s V2	E 1234	0-30	34	16	50	2.00	0.8	2
		E 1235	-110	51	5	44	6.50		
		E 1236	-200				6.20		
E 176	3sl V2	E 1237	0-30	40	12	48	0.62	3.7	8
		E 1238	-100				5.75		
		E 1239	-200				4.60		
E 177	6a V2	E 1240	0-25	42	12	46	0.65	3.3	7
		E 1241	-110	27	12	61	3.50	15.3	30
		E 1242	-200	53	8	39	2.70		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. na meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
E 178	6a V4	E 1243	0-30	32	12	56	2.40	7.8	14
		E 1244	-120	37	12	51	7.50	13.2	26
		E 1245	-200				5.25		
E 179	4a/ V12	E 1246	0-30	32	16	52	3.30	8.4	16
	6a	E 1247	-120				5.75		
		E 1248	-200				4.25		
E 180	3as V4	E 1249	0-40	27	12	61	3.20	3.4	6
		E 1250	-130	29	12	59	6.00	14.5	25
		E 1251	-200				0.42		
E 181	6s V3	E 1252	0-35	28	16	56	9.00	5.4	10
		E 1253	-110				8.50		
		E 1254	-200				10.00		
E 182	6s V3	E 1255	0-30	24	19	57	6.00	6.1	10
		E 1256	-100				5.00		
		E 1257	-140				1.50		
E 183	6a E6	E 1258	0-30	29	37	34	2.80	4.0	12
		E 1259	-100	29	10	61	7.75	15.7	26
		E 1260	-200				7.00		
E 184	6as V9	E 1261	0-60	46	11	43	5.50	6.7	16
		E 1262	-120				7.00		
		E 1263	-180				4.50		
E 185	6sa V 12	E 1264	0-30	28	17	55	1.85	8.7	16
		E 1265	-100				9.00		
		E 1266	-200				7.50		
E 186	6a V2	E 1267	0-40	40	23	37	2.05	1.3	3
		E 1268	-120	34	11	55	6.00	15.0	27
		E 1269	-200				7.50		
E 187	3sa V4	E 1270	0-30	32	17	51	1.50	3.9	8
		E 1271	-120	44	14	42	7.00	9.0	21
		E 1272	-200				7.75		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. na meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
E 188	6a V2	E 1273	0-30	34	19	47	2.80	3.1	7
		E 1274	-120				7.00	16.0	
		E 1275	-200				5.20		
E 189	3asl V2	E 1276	0-30	34	19	47	2.00	2.0	4
		E 1277	-120				6.75	10.7	
		E 1278	-200				8.00		
E 190	31as V2	E 1279	0-30	36	17	47	1.90	2.2	5
		E 1280	-120	42	9	49	6.00	8.7	18
		E 1281	-200				4.25		
E 191	6a V2	E 1282	0-30	33	26	41	3.20	3.0	7
		E 1283	-120	39	10	51	7.50	13.2	26
		E 1284	-200				5.25		
E 192	6a V10	E 1285	0-40	38	17	45	1.05	10.2	23
		E 1286	-120				5.00		
		E 1287	-180				2.80		
E 193	3sa V4	E 1288	0-25	30	17	53	0.46	5.5	10
		E 1289	-100	32	14	54	7.50	10.9	20
		E 1290	-200				7.50		
E 194	3sa V4	E 1291	0-30	30	17	53	1.60	3.5	7
		E 1292	-110	32	12	56	6.75	10.8	20
		E 1293	-200				4.75		
E 195	3sa V2	E 1294	0-30	44	15	41	1.90	2.0	5
		E 1295	-110	45	8	47	6.75	9.3	20
		E 1296	-200				7.00		
E 196	6a E3	E 1297	0-30	32	55	13	4.50	4.9	40
		E 1298	-120				8.00		
		E 1299	-200				7.00		
E 197	3sla V2	E 1300	0-30	36	17	47	2.40	4.2	9
		E 1301	-130	38	7	55	7.75	14.2	25
		E 1302	-200				3.20		
E 198	3sa V4	E 1303	0-30	28	17	55	1.00	5.4	10
		E 1304	-140				6.75	10.8	
		E 1305	-200				6.50		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
E 199	6a E3	E 1306	0-30	49	34	17	3.00	2.5	15
		E 1307	-100	40	14	46	8.00	10.2	22
		E 1308	-200				9.00		
E 200	6as E3	E 1309	0-30	36	47	17	4.50	5.6	33
		E 1310	-80				9.00		
		E 1311	-240				3.70		
		E 1312	-300				3.80		
E 201	3a V4	E 1313	0-30	44	13	53	0.86	7.1	13
		E 1314	-100	43	10	47	3.40	11.5	24
		E 1315	-190				2.20		
E 202	6sa V11	E 1316	0-40	38	11	51	4.60	9.3	18
		E 1317	-100				9.00		
		E 1318	-170				8.50		
E 203	4a/6aV11	E 1319	0-30	44	15	51	5.00	8.9	17
		E 1320	-120				4.50		
		E 1321	-175				3.40		
E 204	6a E3	E 1322	0-30	44	45	11	3.00	2.5	23
		E 1323	-150				8.00		
		E 1324	-200				5.60		
E 205	41 E4	E 1325	0-60	47	36	17	3.20	1.7	10
		E 1326	-170				7.50	9.6	
		E 1327	-200				3.80		
E 206	3sl V2	E 1328	0-30	42	11	47	2.60	3.3	7
		E 1329	-180				7.50		
E 207	3sl V2	E 1330	0-60	44	15	41	3.10	3.4	8
		E 1331	-190				10.00		
E 208	6a V4	E 1332	0-50	27	13	60	3.20	2.7	5
		E 1333	-120	40	14	46	3.90	16.0	35
		E 1334	-170				2.00		
E 209	3sl V2	E 1335	0-30	34	17	49	3.90	4.8	10
		E 1336	-100				7.00		
		E 1337	-200				2.60		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
E 210	6s V4	E 1338	0-40	34	15	51	1.40	4.5	9
		E 1339	-120				8.50		
		E 1340	-170				8.50		
E 211	6sa V9	E 1341	0-40	34	17	49	5.75	7.7	16
		E 1342	-110				10.00		
		E 1343	-200				5.90		
E 212	6s V1	E 1344	0-30	40	15	45	4.25	6.2	14
		E 1345	-120				9.00		
		E 1346	-200				5.50		
E 213	6sa V11	E 1347	0-40	19	15	66	12.00	13.8	21
		E 1348	-100				5.75		
		E 1349	-170				9.00		
E 214	3sa V4	E 1350	0-40	30	15	55	1.30	3.9	7
		E 1351	-130	40	11	49	6.20	8.7	13
		E 1352	-200				3.40		
E 215	6s V3	E 1353	0-60	24	23	53	6.00	6.9	13
		E 1354	-110				8.00		
		E 1355	-200				8.00		
E 216	31sa V2	E 1356	0-40	36	15	49	3.00	2.8	6
		E 1357	-180	40	11	49	7.50	12.3	25
		E 1358	-200				3.80		
E 217	41 E4	E 1359	0-35	32	45	23	3.30	2.7	12
		E 1360	-110	37	11	52	8.00	10.0	19
		E 1361	-200				7.00		
E 218	6sa V11	E 1362	0-60	25	15	60	6.00	10.3	17
		E 1363	-100				7.80		
		E 1364	-170				4.80		
E 219	6s V4	E 1365	0-30	38	21	41	2.50	3.2	8
		E 1366	-115				12.00		
		E 1367	-200				7.50		
E 220	3a V4	E 1368	0-60	32	11	57	1.20	5.4	9
		E 1369	-100	70	9	21	5.00	4.8	23
		E 1370	-170				2.80		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
E 221	6s V4	E 1371	0-30	26	19	55	3.30	4.0	7
		E 1372	-100				9.00		
		E 1373	-200				8.50		
E 222	6s V3	E 1374	0-60	32	13	55	5.50	5.4	10
		E 1375	-110				8.00		
		E 1376	-200				3.00		
E 223	3s V3	E 1377	0-50	36	11	53	4.40	6.6	12
		E 1378	-120				8.00		
		E 1379	-200				4.00		
E 224	3s V4	E 1380	0-60	21	13	66	1.45	6.8	10
		E 1381	-110				8.50		
		E 1382	-180				5.00		
E 225	31 V2	E 1383	0-50	46	7	47	2.20	6.9	15
		E 1384	-100	48	7	45	3.10	5.7	18
		E 1385	-200	59	7	34	1.40		
E 226	6as V9	E 1386	0-80	37	12	51	6.00	9.7	19
		E 1387	-160				12.50		
		E 1388	-200				5.50		
E 227	3sa V4	E 1389	0-40	25	13	62	3.60	8.5	14
		E 1390	-110				8.00	12.2	
		E 1391	-200				7.00		
E 228	3sa V4	E 1392	0-40	27	11	62	1.60	4.2	7
		E 1393	-120	35	14	51	8.00	9.5	19
		E 1394	-200				7.00		
E 229	3as V3	E 1395	0-50	24	13	63	5.00	5.1	8
		E 1396	-120				8.00		
		E 1397	-190				7.00		
E 230	3a V4	E 1398	0-60	26	11	63	1.30	5.5	9
		E 1399	-150	41	6	53	4.50	9.6	18
		E 1400	-200				3.40		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02 mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
E 231	3sl V2	E 1401	0-40	36	17	47	3.75	6.0	13
		E 1402	-105				7.50		
		E 1403	-200				7.50		
E 232	3sla V2	E 1404	0-50	34	17	49	3.00	3.1	6
		E 1405	-110	43	9	48	6.50	8.7	18
		E 1406	-200				7.25		
E 233	3as V12	E 1407	0-40	32	13	55	1.30	8.4	15
		E 1408	-80				6.00		
		E 1409	-200				3.40		
E 234	3sa V4	E 1410	0-40	29	19	52	2.90	4.0	8
		E 1411	-110	35	14	51	7.75	11.3	23
		E 1412	-200				7.00		
E 235	3lsa V2	E 1413	0-40	24	34	42	4.00	4.1	10
		E 1414	-120	33	14	53	7.50	11.2	22
		E 1415	-200				7.50		
E 236	4a/6a V12	E 1416	0-40	31	13	56	4.00	8.7	16
		E 1417	-110				7.00		
		E 1418	-200				4.25		
E 237	2 V4	E 1419	0-100	23	20	57	2.20	8.5	15
		E 1420	-170	21	22	57	5.00	5.3	10
		E 1421	-200	37	29	34	3.50		
E 238	6a E5	E 1422	0-60	37	29	34	5.00	8.7	26
		E 1423	-120				7.50		
		E 1424	-200				7.20		
E 239	6a V10	E 1425	0-40	31	22	47	3.10	9.8	21
		E 1426	-80				7.00		
		E 1427	-200				2.90		
E 240	6as E3	E 1428	0-30	50	27	23	5.50	4.7	20
		E 1429	-100				9.00		
		E 1430	-200				7.50		
E 241	4a/6a V12	E 1431	0-60	31	14	55	1.50	9.9	18
		E 1432	-120				7.50		
		E 1433	-200				7.00		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
E 242	6as V11	E 1434 E 1435	0-100 -200	18	27	55	6.00 6.50	9.6	17
E 243	6a V10	E 1436 E 1437 E 1438	0-60 -140 -200	33	22	45	2.70 7.80 7.75	8.4	19
E 244	6as V11	E 1439 E 1440 E 1441	0-65 -110 -200	26	16	58	9.50 10.00 5.50	9.8	17
E 245	6s V3	E 1442 E 1443 E 1444	0-25 -110 -195	26	16	58	6.50 10.50 5.50	5.2	9
E 246	3ls V1	E 1445 E 1446 E 1447	0-40 -110 -180	39	20	41	4.50 8.00 7.80	4.7	12
E 247	4a/6a V12	E 1448 E 1449 E 1450	0-60 -100 -195	33	16	51	2.80 8.00 5.50	8.5	17
E 248	3sla V2	E 1451 E 1452 E 1453	0-30 -160 -200	37 45	18 7	45 48	2.30 7.00 6.00	2.0 10.9	4 23
E 249	6as V9	E 1454 E 1455 E 1456	0-50 -120 -190	31	20	49	7.00 9.50 9.00	8.7	18
E 250	6s V9	E 1457 E 1458	0-100 -200	36	14	50	7.50 3.40	7.6	15
E 251	6s V3	E 1459 E 1460 E 1461	0-30 -100 -200	27	8	65	8.50 2.00 7.20	4.8	7
E 252	6as V10	E 1462 E 1463 E 1464	0-50 -110 -200	48	8	44	1.45 8.00 5.50	8.3	19

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
E 253	4a/6a V12	E 1465	0-50	34	11	55	2.10	10.6	19
		E 1466	-100				5.00		
		E 1467	-200				3.50		
E 254	31 V2	E 1468	0-50	44	11	45	1.70	6.4	14
		E 1469	-110	35	18	47	5.20	9.5	20
		E 1470	-200				2.80		
E 255	3sa V2	E 1471	0-50	39	11	50	3.20	4.5	9
		E 1472	-100	40	12	48	6.50	10.4	22
		E 1473	-200				7.50		
E 256	6a V12	E 1474	0-40	35	13	52	3.50	11.5	22
		E 1475	-110				3.30		
		E 1476	-200				2.20		
E 257	6sa V11	E 1477	0-120	39	7	54	7.00	9.2	17
		E 1478	-270				4.50		
		E 1479	-300				4.00		
E 258	6a V10	E 1480	0-60	56	7	37	2.40	11.9	32
		E 1481	-170	80	4	16	1.50		
E 259	6as V9	E 1482	0-50	54	9	37	5.50	6.5	18
		E 1483	-100				7.00		
		E 1484	-200				2.60		
E 261	6a V10	E 1488	0-50	50	12	38	3.3	9.4	25
		E 1489	-105	50	12	38	3.2	-	
		E 1490	-200	50	12	38	1.5	-	
E 262	6a E4	E 1491	0-60	62	13	25	1.6	8.3	33
		E 1492	-180	62	13	25	1.0	-	
		E 1493	-200	67	13	20	1.29	-	
E 263	6a E4	E 1494	0-25	67	10	23	0.92	3.9	17
		E 1495	-100	52	13	35	1.8	-	
		E 1496	-200	45	15	40	1.35	-	

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
L 120	4a V4	L 1061	0-50	43	5	52	2.10	8.87	17
		L 1062	-130	41	7	52	7.50	8.90	17
		L 1063	-160	35	5	60	4.50	11.24	19
L 121	3s V4	L 1064	0-50	39	7	54	0.85	5.93	11
		L 1065	-150	31	7	62	7.00	8.10	13
		L 1066	-200	29	11	60	5.00	11.00	18
L 122	6as V9	L 1067	0-50	47	7	46	7.50	9.33	20
		L 1068	-145	53	7	40	2.40	9.85	25
		L 1069	-200	53	7	40	3.00	9.60	24
L 123	3as V3	L 1070	0-50	39	7	54	4.50	7.33	14
		L 1071	-150	39	9	52	2.60	8.28	16
		L 1072	-200	69	7	24	1.65	9.51	40
L 125	4a V12	L 1073	0-55	41	7	52	0.42	8.96	17
		L 1074	-110	31	9	60	3.80	8.07	13
		L 1075	-200	35	9	56	2.40	5.94	11
L 126	4a V12	L 1082	0-60	36	11	53	1.30	9.04	17
		L 1083	-144	31	10	59	6.00	10.28	17
		L 1084	-175	31	10	59	5.22	7.38	13
L 127	4a V12	L 1079	0-50	41	8	51	1.60	8.16	16
		L 1080	-100	33	4	63	6.00	8.91	14
		L 1081	-200	31	10	59	3.00	7.33	12
L 128	4a V12	L 1076	0-70	45	4	51	0.80	10.32	20
		L 1077	-120	35	14	51	6.00	8.93	18
		L 1078	-200	37	10	53	2.40	6.51	12
L 129	3s V4	L 1085	0-70	39	8	53	1.15	6.69	13
		L 1086	-125	29	10	61	7.50	8.69	14
		L 1087	-185	39	12	49	7.00	8.18	17
L 130	4a V12	L 1088	0-80	41	8	51	1.50	9.61	19
		L 1089	-125	43	6	51	6.75	9.91	19
		L 1090	-185	33	14	53	2.40	11.08	21
L 131	4a V12	L 1091	0-50	36	9	55	1.14	9.63	18
		L 1092	-135	32	11	57	4.50	8.87	16
		L 1093	-200	46	13	41	3.40	9.58	23

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25° C.	Exch. Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02 mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
L 132	3s V4	L 1094	0-50	40	7	53	2.20	5.36	10
		L 1095	-125	34	9	57	6.50	8.19	14
		L 1096	-200	28	7	55	6.00	8.35	15
L 133	31sa V 2	L 1097	0-45	40	13	47	1.65	4.93	11
		L 1098	-150	38	7	55	6.75	10.68	19
		L 1099	-200	30	13	57	3.80	11.26	20
L 134	31a V2	L 1100	0-50	40	11	49	3.20	6.22	13
		L 1101	-125	38	19	43	5.50	8.80	21
		L 1102	-175	28	9	63	3.00	8.95	14
L 135	4a V12	L 1103	0-80	36	9	55	2.60	9.49	17
		L 1104	-150	44	7	49	2.00	10.65	22
		L 1105	-175	44	17	39	2.40	9.72	25
L 136	4a V12	L 1106	0-55	38	11	51	0.80	8.71	17
		L 1107	-125	30	11	59	5.50	10.45	18
		L 1108	-200	33	12	55	3.25	9.98	18
L 137	2 V4	L 1109	0-25	36	13	51	0.60	3.22	6
		L 1110	-145	34	13	53	4.40	6.04	11
		L 1111	-200	27	12	61	6.00	9.43	16
L 138	6as V10	L 1112	0-30	45	10	45	0.65	7.20	16
		L 1113	-170	36	9	55	6.50	9.33	17
		L 1114	-200	34	9	57	2.50	5.96	10
L 139	6a V10	L 1115	0-40	48	9	43	1.00	9.08	21
		L 1116	-115	26	11	63	7.00	11.61	18
		L 1117	-165	24	17	59	3.90	11.46	19
L 140	4a V12	L 1118	0-65	36	13	51	1.30	9.70	19
		L 1119	-115	28	15	57	2.10	10.45	18
		L 1120	-140	36	15	49	1.65	10.13	21
L 141	6a V12	L 1121	0-60	37	10	53	0.80	11.32	21
		L 1122	-115	29	20	51	7.00	10.11	20
		L 1123	-175	41	14	45	3.60	8.04	18

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002 mm			
1	2	3	4	5a	5b	5c	6	7	8
L 142	2 V4	L 1124	0-90	39	10	51	2.40	6.40	13
		L 1125	-145	31	12	57	6.50	9.57	17
		L 1126	-185	29	10	61	6.00	9.77	16
L 143	3as V4	L 1127	0-40	39	10	51	1.35	7.76	15
		L 1128	-65	35	8	57	4.00	10.47	18
		L 1129	-105	31	10	59	6.50	8.12	14
L 144	31a V2	L 1130	0-50	45	8	47	0.90	7.01	15
		L 1131	-90	31	12	57	5.00	9.31	16
		L 1132	-140	33	12	55	6.00	9.33	17
L 145	4a V12	L 1133	0-40	29	8	63	1.30	9.85	16
		L 1134	-95	41	4	55	5.20	6.54	12
		L 1135	-145	35	8	57	5.50	6.61	12
L 146	6sa V11	L 1136	0-63	29	11	60	6.20	14.4	24
		L 1137	-163				4.00		
		L 1138	-200				3.20		
L 147	3s V4	L 1139	0-43	35	12	53	3.00	3.65	7
		L 1140	-113	49	10	41	6.80		
		L 1141	-180				2.46		
L 148	6a V2	L 1142	0-38	40	11	49	0.75	5.7	12
		L 1143	-88	42	10	48	7.20	14.7	30
		L 1144	-138				10.00		
		L 1145	-163				8.00		
		L 1146	-203				4.00		
L 149	3a V4	L 1147	0-63	25	13	62	0.95	7.6	12
		L 1148	-138	27	12	61	5.80	16.6	27
		L 1149	-175				7.00		
L 150	6a V4	L 1150	0-38	32	11	57	2.00	4.93	9
		L 1151	-113	34	13	53	7.90	17.2	34
		L 1152	-185				7.00		
L 151	6a V12	L 1153	0-38	22	16	62	0.80	10.7	17
		L 1154	-113				5.83		
		L 1155	-163				3.20		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
L 152	6a E5	L 1156	0-38	57	9	34	0.77	3.65	11
		L 1157	-53	67	10	23	2.30	8.5	35
		L 1158	78-153				3.00		
		L 1159	263-300				1.75		
L 153	6a E5	L 1160	0-38	53	10	37	1.10	7.4	20
		L 1161	-63				1.60		
		L 1162	-113				2.20		
L 154	6a E5	L 1163	0-63	63	8	29	4.20	11.8	41
		L 1164	-180				2.30		
L 155	6a V12	L 1165	0-38	34	12	54	1.20	9.5	18
		L 1166	-88				6.50		
		L 1167	-138				6.50		
L 156	6a E5	L 1168	0-38	63	8	29	6.25	8.8	30
		L 1169	-63				-		
		L 1170	-113				8.50		
		L 1171	-138				7.50		
L 157	6a V4	L 1172	0-38	40	9	51	1.70		
		L 1173	-88	37	12	51	7.40	14.8	30
		L 1175	-138				3.65		
L 158	3as V4	L 1175	0-30	25	15	60	2.62	7.2	12
		L 1176	-110	39	15	46	6.00	10.6	23
L 159	6a V2	L 1177	0-38	53	9	38	0.48	2.5	7
		L 1178	-88	69	5	26	1.20	7.4	28
		L 1179	-163				2.80		
L 160	3s V4	L 1180	0-38	34	11	55	0.64	6.8	12
		L 1181	-113	32	10	58	7.50		
		L 1182	-138				-		
		L 1183	-163				3.20		
L 161	3sa V4	L 1184	0-40	36	12	52	0.86	5.9	11
		L 1185	-90	34	13	53	6.25	13.0	24
		L 1186	-185				3.00		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02 mm	Silt .02 - 0.002mm	Clay .002mm.			
1	2	3	4	5a	5b	5c	6	7	8
L 162	6a V12	L 1187	0-40	32	17	51	0.90	13.7	27
		L 1188	-95				6.25		
L 163	6a V12	L 1189	0-65	32	15	53	2.20	10.9	21
		L 1190	-120				6.50		
L 164	4a/6a V11	L 1191	0-65	26	19	55	4.20	9.5	17
		L 1192	-130				7.50		
L 165	6a V12	L 1193	0-40	34	15	51	1.50	12.4	24
		L 1194	-100				6.20		
L 166	6a E5	L 1195	0-65	34	36	30	1.50	10.9	36
		L 1196	-115				7.50		
		L 1197	-140				6.75		
		L 1198	-200				3.70		
L 167	6s V11	L 1199	0-40	32	13	55	6.50	8.4	15
		L 1200	-115				6.50		
		L 1201	-165				6.00		
L 168	3sa V4	L 1202	0-65	36	13	51	0.90	7.2	14
		L 1203	-165	44	13	43	6.00	11.5	27
		L 1204	-200				6.60		
L 169	3sa V4	L 1205	0-45	27	13	60	0.90	7.3	12
		L 1206	-115				7.50	15.5	
		L 1207	-170				7.00		
L 170	6a V2	L 1208	0-40	43	9	48	0.77	1.7	4
		L 1209	-115	39	13	48	7.80	16.2	33
		L 1210	-140				3.80		
		L 1211	-200				2.70		
L 171	2 V4	L 1212	0-50	32	13	55	0.74	7.0	13
		L 1213	-75	29	13	58	2.30	-	
		L 1214	-125				8.00		
L 172	4a/6a V12	L 1215	0-50	27	13	60	1.04	9.4	16
		L 1216	-125				6.00		
		L 1217	-200				4.20		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
L 173	6as V12	L 1218	0-50	32	13	55	1.60	11.5	(21
		L 1219	-150				8.00		
		L 1220	-200				2.70		
L 174	3a V4	L 1221	0-25	28	13	59	0.60	5.8	10
		L 1222	-75	39	10	51	1.04	11.4	23
		L 1223	-125	32	12	56	8.00	14.9	26
L 175	4a/6a V12	L 1224	0-50	34	13	53	0.84	8.7	16
		L 1225	75-125				7.00		
		L 1226	-200				5.80		
L 176	6a V10	L 1227	0-60	36	15	49	2.80	10.2	21
		L 1228	-125				7.50		
		L 1229	-175				3.50		
L 177	6a V12	L 1230	0-60	28	17	55	1.24	11.4	21
		L 1231	-100				7.50		
		L 1232	125-150				4.20		
		L 1233	-200				2.10		
L 178	6s V2	L 1234	0-40	51	11	38	0.80	4.7	12
		L 1235	65-145				8.50		
		L 1236	-170				7.50		
L 179	6a V10	L 1237	0-60	46	9	45	1.30	7.6	17
		L 1238	-115				7.50		
		L 1239	-175				3.70		
L 180	3al V10	L 1240	0-40	53	7	40	0.57	6.1	15
		L 1241	-125				4.00		
		L 1242	-175				2.80		
L 181	6sa V11	L 1243	0-65	34	15	51	9.00	17.0	33
		L 1244	-165				3.20		
		L 1245	-200				2.40		
L 182	4a/6a V12	L 1246	0-65	37	13	50	0.82	7.9	16
		L 1247	-145				7.50		
		L 1248	-200				3.00		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25° C.	Exch. Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
L 183	6a V4	L 1249	0-40	30	11	59	1.00	7.9	13
		L 1250	-115	41	12	47	7.00	17.5	37
		L 1251	-165				-		
L 184	6sa V12	L 1252	0-65	22	13	65	2.10	12.7	20
		L 1253	-140				8.00		
		L 1254	-200				5.50		
L 185	6as V9	L 1255	0-65	49	7	44	4.20	7.6	17
		L 1256	-140				10.20		
		L 1257	-200				8.20		
L 186	2 V4	L 1258	0-40	37	11	52	0.44	3.3	6
		L 1259	-90	37	12	51	2.80	6.9	14
		L 1260	-140				5.70		
L 187	3sa V4	L 1261	0-65	30	11	59	1.30	8.3	14
		L 1262	-140	34	8	58	7.00	15.4	26
L 188	6a V4	L 1263	0-40	33	11	56	0.72	7.3	13
		L 1264	-115	29	15	56	1.00	20.8	37
		L 1265	-200				7.50		
L 189	6sa V11	L 1266	0-40	35	11	54	6.50	10.4	19
		L 1267	-100				2.40		
		L 1268	-200				2.70		
L 190	3las V2	L 1269	0-40	40	17	43	2.00	1.7	4
		L 1270	-90	39	10	51	6.00	12.4	25
		L 1271	-165				10.50		
L 191	6s V4	L 1272	0-40	31	17	52	1.15	4.3	8
		L 1273	65-115				10.50		
		L 1274	140-200				5.20		
L 192	3sa V4	L 1275	0-40	31	14	55	0.60	2.1	4
		L 1276	-90	34	13	53	6.50	11.8	23
		L 1277	-140				8.00		
L 193	6a V4	L 1278	0-40	39	10	51	1.50	6.3	12
		L 1279	-90	44	13	43	7.00	12.9	30
		L 1280	-140				3.80		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002 mm			
1	2	3	4	5a	5b	5c	6	7	8
L 194	6as V4	L 1281	0-40	26	12	62	1.00	5.5	9
		L 1282	-65	32	15	53	8.00	16.7	33
		L 1283	-140				7.00		
L 195	6a V4	L 1284	0-40	30	8	62	1.10	3.7	6
		L 1285	-90	49	10	41	7.50	11.6	28
		L 1286	-165				5.50		
L 196	3sa V4	L 1287	0-65	41	8	51	1.10	7.4	13
		L 1288	-115	29	13	58	7.50	12.8	22
		L 1289	-140				3.50		
L 197	3as V4	L 1290	0-40	26	12	62	1.25	2.7	4
		L 1291	-90	42	10	48	5.50	11.4	24
		L 1292	-165				10.00		
L 198	3a V4	L 1293	0-40	35	12	53	2.20	1.3	2
		L 1294	-90	42	10	48	5.25	11.3	23
		L 1295	-140				10.50		
L 199	3s V4	L 1296	0-90	32	9	59	6.00		
		L 1297	-140	31	15	54	10.50	7.3	14
		L 1298	-165				4.50		
L 200	3ls V1	L 1299	0-90	46	5	49	4.75	6.3	13
		L 1300	-200	49	10	41	6.50	18.0	44
L 201	6as V10	L 1301	0-65	43	10	47	3.10	8.4	18
		L 1302	-90				8.50		
		L 1303	-140				9.00		
L 202	6as E5	L 1304	0-35	41	33	26	6.00	5.0	19
		L 1305	-65				7.00		
		L 1306	-90				6.50		
L 203	6a V4	L 1307	0-40	35	10	55	1.30	8.2	15
		L 1308	-65	42	10	48	6.50	12.9	26
		L 1309	-115				8.50		
L 204	4a/6a V12	L 1310	0-50	33	14	53	0.82	8.6	16
		L 1311	-115				7.00		
		L 1312	-200				9.00		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na meq/100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
L 205	6as V4	L 1313	0-40	37	12	51	0.85	7.2	14
		L 1314	-90	39	7	54	8.00	15.6	30
		L 1315	-140				9.00		
L 206	4a/6aV12	L 1316	0-65	37	12	51	0.80	7.8	15
		L 1317	90-115				8.00		
		L 1318	-180				8.00		
L 207	6a V2	L 1319	0-40	38	19	43	2.70	4.6	11
		L 1320	-65	36	14	50	7.00	17.8	37
		L 1321	90-120				8.00		
L 208	6s V2	L 1322	0-40	41	11	48	2.70	5.6	12
		L 1323	65-90				9.50		
		L 1324	-200				8.50		
L 209	31a V2	L 1325	0-50	35	17	48	1.50	2.8	6
		L 1326	-115	41	8	51	6.00	11.4	23
		L 1327	-140				7.50		
L 210	6sa V11	L 1328	0-30	34	14	52	7.50	9.9	19
		L 1329	-90				10.20		
		L 1330	-200				6.80		
L 211	6s V1	L 1331	0-40	40	14	46	5.00	5.3	12
		L 1332	-90				9.00		
		L 1333	115-200				4.60		
L 212	31 V2	L 1334	0-40	58	5	37	0.66	1.3	4
		L 1335	-140	60	5	35	0.57	1.0	3
		L 1336	-200	68	3	29	0.70		
L 213	6sa E5	L 1337	0-40	55	10	35	4.80	16.7	48
		L 1338	-65	57	8	35	1.30		
		L 1339	-146	73	5	22	1.05		
L 214	6a V10	L 1340	0-40	44	8	48	1.70	15.1	31
		L 1341	-65	46	10	44	3.40		
		L 1342	-140	68	10	22	1.05		
L 215	6sa E5	L 1343	0-40	60	8	32	1.80	7.2	23
		L 1344	-90				8.00		
		L 1345	-165				7.80		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
L 216	6a V10	L 1346	0-50	45	15	40	1.75	8.0	20
		L 1347	-90				7.00		
		L 1348	-140				2.90		
L 217	6a E5	L 1349	0-40	63	7	30	0.70	5.7	19
		L 1350	-90	58	4	38	2.10		
		L 1351	115-140	61	7	32	10.20		
L 218	6a E6	L 1352	0-35	57	9	34	1.50	1.6	5
		L 1353	-90	44	10	46	7.50	14.2	31
		L 1354	-180				3.00		
L 219	3s V4	L 1355	0-40	38	11	51	1.10	6.0	12
		L 1356	-115	41	12	47	6.70		
		L 1357	-200				3.00		
L 220	6a V2	L 1358	0-40	38	13	49	2.40	4.9	10
		L 1359	-90	41	10	49	3.00	16.6	34
		L 1360	-140				-		
L 221	6a V4	L 1361	0-40	32	13	55	1.00	5.4	10
		L 1362	-90	36	13	51	6.50	14.5	29
		L 1363	-165				3.30		
L 222	3ls V2	L 1364	0-35	46	13	41	1.60	4.3	11
		L 1365	-140	49	7	44	6.50		
		L 1366	-200				2.50		
L 223	6s V1	L 1367	0-35	46	13	41	4.70	6.0	15
		L 1368	-90				7.50		
		L 1369	-165				2.30		
L 224	6a V10	L 1370	0-40	41	9	50	1.10	10.3	21
		L 1371	-90				6.00		
		L 1372	115-145				1.60		
L 225	4a/6aV12	L 1373	0-30	33	11	56	0.66	9.4	17
		L 1374	-65				2.50		
		L 1375	-115				7.50		
L 226	3a V4	L 1376	0-40	42	4	54	1.65	4.7	9
		L 1377	-115	54	3	43	5.25		
		L 1378	-165				2.30		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch.Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
L 227	3a V4	L 1379	0-40	27	17	56	0.60	2.0	4
		L 1380	-90	34	12	54	4.80	9.2	17
		L 1381	-115				7.00		
L 228	31s V2	L 1382	0-40	35	17	48	2.00	2.2	5
		L 1383	-90	36	10	54	7.50		
		L 1384	-140				7.50		
L 229	6a V2	L 1385	0-40	33	19	48	0.50	4.5	9
		L 1386	-90	41	10	49	7.00	16.4	33
		L 1387	-140				4.25		
L 231	6s V3	L 1396	0-40	29	15	56	4.50	8.1	15
		L 1397	-90				8.00		
		L 1398	-140				5.25		
L 232	2 V4	L 1399	0-90	20	15	65	1.65	3.9	6
		L 1400	-140	36	10	54	6.00	12.7	24
		L 1401	-200				6.50		
L 233	6a V2	L 1402	0-35	49	7	44	3.60	5.4	12
		L 1403	-90	49	7	44	5.80	18.3	42
		L 1404	-140				4.20		
L 234	31s V2	L 1405	0-30	56	7	37	2.30	2.0	5
		L 1406	-115				7.50		
		L 1407	-145				3.40		
L 235	6s E5	L 1408	0-40	60	9	31	3.30	2.9	9
		L 1409	-115				10.00		
		L 1410	-180				4.40		
L 236	6a V10	L 1411	0-50	43	11	46	1.70	8.3	18
		L 1412	-90				5.80		
		L 1413	-115				6.50		
L 237	41 E6	L 1414	0-40	58	9	33	1.05	2.0	6
		L 1415	-90	51	7	42	1.00	3.8	10
		L 1416	-140	64	7	29	0.76		
L 238	6a E6	L 1417	0-40	65	4	31	0.65	4.6	15
		L 1418	-65	59	4	37	1.50	7.3	25
		L 1419	-90	52	4	44	1.90		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm 25° C.	Exch. Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
L 239	6a V10	L 1420	0-40	61	4	35	1.20	9.0	30
		L 1421	-65				5.50		
		L 1422	-90				6.50		
L 240	6a V12	L 1423	0-60	41	9	50	2.30	11.7	20
		L 1424	-90				5.00		
		L 1425	-135				1.70		
L 241	6a E6	L 1426	0-40	69	4	27	0.49	2.0	7
		L 1427	-65	67	5	28	0.80	6.6	26
		L 1428	-90	72	5	23	1.20		
L 242	6a V10	L 1429	0-40	56	7	37	0.76	5.6	20
		L 1430	60-90				6.50		
		L 1431	-115				2.50		
L 243	6a V2	L 1432	0-40	54	7	39	0.62	4.8	10
		L 1433	-90	61	4	35	1.90	7.8	30
		L 1434	-165	58	8	34	1.90		
L 244	6a V12	L 1435	0-40	40	7	53	1.60	11.0	20
		L 1436	-65				5.80		
		L 1437	-115				4.20		
L 245	31 V2	L 1438	0-40	55	10	35	1.04	0.5	14
		L 1439	-115	60	3	37	0.29	0.6	2
		L 1440	-200	72	8	20	0.36		
L 247	6a E5	L 1449	0-40	60	5	35	0.85		
		L 1450	-90	55	8	37	6.00		
		L 1451	-140	48	8	44	4.00		
L 248	6a E5	L 1452	0-40	57	8	35	0.50	7.9	20
		L 1453	-90				1.70		
		L 1454	-140				1.60		
L 249	6a E5	L 1455	0-50	53	10	37	0.85	6.4	17
		L 1456	-115	46	10	44	2.00		
		L 1457	-160	48	8	44	1.00		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na meq/ 100g.	E.S.P.
				Sand 2.0 - .02 mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
L 250	41 E2	L 1458	0-90	87	1	12	0.30		
		L 1459	-165	70	23	7	0.30	0.4	2
		L 1460	-200	79	1	20	0.36		
L 251	6a V12	L 1461	0-65	31	10	59	2.20	13.1	22
		L 1462	-115				7.00		
		L 1463	-200				3.00		
L 252	6a V2	L 1464	0-40	48	8	44	0.52	5.8	
		L 1465	-65	46	8	46	0.30	11.7	25
		L 1466	-115				6.80		
L 253	6a V2	L 1467	0-40	50	8	42	0.52	5.6	14
		L 1468	-65	44	7	49	4.00	12.8	26
		L 1469	-110				5.25		
L 254	41 E6	L 1470	0-40	70	1	29	0.40	1.6	6
		L 1471	-140	66	1	33	0.36	1.6	6
		L 1472	-180	63	8	29	0.34		
L 255	41 E4	L 1473	0-65	81	3	16	0.30	0.6	2
		L 1474	-90	74	3	23	0.38	0.7	3
		L 1475	-115	70	3	27	0.35		
L 256	6a V10	L 1476	0-60	50	8	42	0.92	7.3	17
		L 1477	-90				5.75		
		L 1478	-140				2.40		
L 257	6a E2	L 1479	0-40	62	24	14	0.55	5.4	39
		L 1480	-90	63	10	27	1.20		
		L 1481	-140	61	10	29	1.05		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na meq/ 100g.	E.S.P.
				Sand 2.0 - 0.02mm	Silt 0.02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
M 121		M 1089	0-33	35	9	55	0.96	10.80	20
	4a V12	M 1090	-60	29	10	61	5.75	9.03	15
		M 1091	-85	33	6	61	6.50	11.03	18
		M 1092	-120	24	9	67	6.50	11.20	17
		M 1093	-185						
		M 1094	-200	25	14	61	3.10	10.31	17
M 122		M 1095	0-30	39	8	53	1.10	8.91	17
	4a V12	M 1096	-55	35	10	55	7.00	10.91	20
		M 1097	-75	33	8	59	7.25	10.13	17
		M 1098	-115	39	22	39	7.50	10.19	19
		M 1099	-170	29	10	61	7.50	10.09	17
		M 1100	-200	31	12	57	4.50	10.79	19
M 123		M 1101	0-40	55	6	39	1.32	7.08	18
	6a V10	M 1102	-75	50	23	47	2.20	7.33	16
		M 1103	-95	73	2	25	1.40	7.87	31
		M 1104	-150	73	4	23	1.14	7.77	34
		M 1105	-200	79	4	17	1.10	6.79	40
M 124		M 1106	0-40	43	8	49	0.87	7.99	16
		M 1107	-73						
		M 1108	-105	39	8	53	1.40	10.06	20
	6a V10	M 1109	-130	41	10	49	1.36	9.79	20
		M 1110	-200	61	10	29	1.10	8.87	30
M 125		M 1111	0-45	29	14	57	1.10	8.65	15
		M 1112	-85	23	13	64	5.00	10.31	16
	4a V12	M 1113	-125	30	4	66	6.50	10.14	15
		M 1114	-180	25	23	52	6.80	10.23	16
		M 1115	-200	21	13	66	5.75	9.77	15
M 126	2 V4	M 1116	0-60	23	17	60	1.20	7.46	12
		M 1117	-85	35	7	58	4.40	9.63	17
		M 1118	-115	27	9	64	4.50	9.78	15
		M 1119	-160	39	5	56	5.50	10.13	16
M 127	31a V2	M 1120	0-30	49	5	46	1.10	6.43	14
		M 1121	-50	41	7	52	0.84	9.31	18
		M 1122	-90	23	4	73	2.00	9.69	13
		M 1123	-150	35	19	46	2.50	9.58	21

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25° C.	Exch. Na meq./ 100g.	E.S.P.
				Sand 2.0 - 0.02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
M 128	2 V4	M 1124	0-40	47	3	50	0.54	6.51	13
		M 1125	-130	37	5	58	2.00	8.66	15
		M 1126	-200	33	7	60	5.25	8.56	14
M 129	2 V4	M 1127	0-30	31	7	62	1.60	8.38	14
		M 1128	-90	23	2	75	4.00	10.61	14
		M 1129	-200	47	3	50	7.25	10.78	22
M 130	2 V3	M 1130	0-30	25	11	64	4.60	8.60	13
		M 1131	-90	31	11	58	1.00	6.79	12
		M 1132	-200	27	11	62	2.00	8.88	14
M 131		M 1133	0-45						
	2 V4	M 1134	-90	29	11	60	4.57	7.31	12
		M 1135	-150	25	11	64	4.57	9.04	14
		M 1136	-200	25	15	60	4.90	8.23	
M 132	2 V4	M 1137	0-60	37	9	54	0.85	5.75	11
		M 1138	-100	33	11	56	2.00	7.41	13
		M 1139	-130	43	11	46	2.30	6.48	18
		M 1140	-200	37	33	30	1.20	5.45	18
M 133	4a V12	M 1141	0-50	41	7	52	1.11	8.18	16
		M 1142	-80	39	7	54	3.20	8.59	10
		M 1143	-140	39	5	56	5.50	8.61	15
		M 1144	-180	41	7	52	3.70	9.08	17
M 134	31 V2	M 1145	0-60	61	3	36	0.60	1.30	4
		M 1146	-115	59	3	38	0.35	1.30	3
		M 1147	-200	61	5	34	0.56	1.65	5
M 135	2 V12	M 1148	0-50	43	7	50	2.20	7.62	15
		M 1149	-100	39	1	60	2.70	8.63	14
		M 1150	-200	37	11	52	4.40	8.21	16
M 136	3a V4	M 1151	0-50	29	9	62	1.60	7.63	12
		M 1152	-100	28	11	61	1.40	9.50	16
		M 1153	-150	29	11	60	1.50	9.53	16
		M 1154	-200	25	13	62	2.00	9.92	16
M 137	3a V4	M 1155	0-30	33	15	52	0.70	6.83	13
		M 1156	-100	39	5	56	5.80	9.16	16
		M 1157	-200	27	13	60	2.00	9.28	16

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na meq./ 100g.	E.S.P.
				Sand 2.0 - 0.02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
M 138	4a V12	M 1158	0-30	38	11	51	0.68	8.05	16
		M 1159	-90	39	9	52	1.20	8.21	16
		M 1160	-150	33	11	56	3.00	8.16	15
		M 1161	-200	31	11	58	2.10	8.64	15
M 139	4a V12	M 1163	0-60	35	11	54	1.90	9.05	17
		M 1164	-90	23	13	64	2.60	9.20	14
		M 1165	-170	27	11	62	1.90	9.65	16
		M 1166	-200	29	11	60	1.50	9.65	16
M 140	2 V4	M 1167	0-50	35	7	58	0.44	5.15	9
		M 1168	-100	37	7	56	1.20	7.61	14
		M 1169	-200	45	5	50	1.50	7.20	14
M 141	2 V4	M 1170	0-50	31	9	60	1.02	7.11	12
		M 1171	-100	25	11	64	1.60	8.47	13
		M 1172	-200	54	8	38	1.04	0.56	2
M 142	2 V4	M 1173	0-50	35	10	55	0.60	5.3	10
		M 1174	-100	41	12	47	1.15	-	
		M 1175	-150	39	16	45	0.46		
M 143	6a V4	M 1176	0-50	33	12	55	0.76	7.1	13
		M 1177	-100	48	13	39	1.50	12.5	34
		M 1178	-150	39	10	51	1.80		
M 144	6sa V9	M 1179	0-50	39	13	48	9.50	10.0	21
		M 1180	-90				3.80		
		M 1181	-180				4.50		
M 145	6a V10	M 1182	0-60	41	13	46	1.70	7.7	17
		M 1183	-100				7.50		
		M 1184	-160				7.50		
M 146	41 E6	M 1185	0-50	58	15	27	0.46	1.7	6
		M 1186	-100	54	11	35	0.95	3.7	14 or 11
		M 1187	-160	52	11	37	1.80		
M 147	2 V4	M 1188	0-50	30	11	59	0.75	4.7	8
		M 1189	-90	46	12	42	1.30	7.3	17
		M 1190	-150				0.75		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na meq./ 100g.	E.S.P.
				Sand 2.0 - 0.02mm	Silt .02-0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
M 148	3 V4	M 1191	0-50	26	17	57	0.95	6.9	12
		M 1192	-85	36	10	54	1.65	8.0	15
		M 1193	-150				1.75		
M 149	6a V10	M 1194	0-45	45	11	44	0.55	9.7	22
		M 1195	-120				6.50		
		M 1196	-200				7.00		
M 150	31 V2	M 1197	0-45	44	19	37	0.65	1.7	5
		M 1198	-100	56	8	36	1.55	5.8	16
		M 1199	-140				1.60		
M 151	3a1/ V10 6a	M 1200	0-50	52	11	37	0.62	5.7	15
		M 1201	-100				0.50		
		M 1202	-185				2.10		
M 152	41 E6	M 1203	0-50	54	13	33	2.00	3.5	11
		M 1204	-90				6.50	6.6	
		M 1205	-130				7.00		
		M 1206	-190				8.00		
		M 1207	-230				7.50		
		M 1208	-260				5.00		
		M 1209	-290	26	19	55	6.50		
M 153	31 V2	M 1210	0-70	40	17	43	0.60	6.3	15
		M 1211	-110	48	8	44	2.20	11.9	27
		M 1212	-180				0.96		
M 154	2 V4	M 1213	0-50	31	17	52	1.10	5.5	11
		M 1214	-100	33	15	52	1.60	8.2	15
		M 1215	-170	25	23	52	1.70		
M 155	31 V2	M 1216	0-50	48	17	35	0.52	3.9	11
		M 1217	-100	61	8	31	1.85	7.3	23
		M 1218	-180	41	13	46	-		
M 156	31 V2	M 1219	0-50	41	13	46	0.84	5.5	12
		M 1220	-100				2.30	7.3	23
		M 1221	-140	35	17	48	3.70		
		M 1222	-200	41	20	39	1.62		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na meq./ 100g.	E.S.P.
				Sand 2.0 - 0.02mm	Silt .02-0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
M 157	31 V2	M 1224	0-45	49	12	39	-	2.8	7
		M 1225	-90	45	12	43	0.55	10.2	24
		M 1226	-120				4.50		
M 158	2 V4	M 1227	0-40	23	18	59	0.72	6.2	10
		M 1228	-80				0.68		
		M 1229	-120	43	13	44	2.00		
M 159	3a V4	M 1230	0-50	36	14	50	0.64	7.2	14
		M 1231	-100	29	14	57	1.35	11.6	20
		M 1232	-160	-	-	-	0.75		
M 160	31 V2	M 1233	0-50	44	10	46	2.50	6.5	14
		M 1234	-100				5.25		
		M 1235	-160				5.75		
M 161	31 V2	M 1236	0-50	42	10	48	0.60	5.7	12
		M 1237	-100				4.25		
		M 1238	-150				5.00		
M 162	2 V4	M 1239	0-50	27	12	61	0.90	6.0	10
		M 1240	-110	33	15	52	1.50	8.5	16
		M 1241	-200				1.10		
M 169	41 E4	M 1460	0-50	77	1	22	0.28	1.0	5
		M 1461	-100	72	1	27	0.60		
		M 1462	-150	68	3	29	0.90		
		M 1463	-200	63	5	32	3.00		
		M 1464	-240	66	5	29	3.50		
		M 1465	-300	-	-	-	2.00		
M 170	31 V2	M 1466	0-50	52	5	43	0.60	5.7	13
		M 1467	-100				3.30		
		M 1468	-150				1.80		
M 171	6a E5	M 1469	0-50	66	3	31	0.44	6.4	21
		M 1470	-100				2.00		
		M 1471	-150				7.00		
M 172	4a/6a V4	M 1472	0-50	36	10	54	2.50	7.3	17
		M 1473	-100				6.20		
		M 1474	-150				7.00		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na meq./ 100g.	E.S.P.
				Sand 2.0 - 0.02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
M 173	4l E6	M 1475	0-50	63	8	29	0.30	0.5	2
		M 1476	-100	66	5	29	0.45		
		M 1477	-150	30	37	33	0.32		
M 174	2 V4	M 1478	0-50	34	10	56	0.64	6.7	12
		M 1479	-100				2.20		
		M 1480	-150				1.00		
M 175	2 V4	M 1481	0-50	40	10	50	0.90	-	
		M 1482	-100				2.00		
		M 1483	-150	40	8	52	1.50		
M 176	2 V4	M 1484	0-50	26	12	62	0.84	8.1	13
		M 1485	-100				5.50		
		M 1486	-150				5.00		
M 177	3s V3	M 1487	0-50	26	12	62	5.00	5.0	8
		M 1488	-100				7.00		
		M 1489	-150				4.50		
M 178	6a V12	M 1490	0-50	34	14	52	2.80	10.9	21
		M 1491	-100				5.50		
		M 1492	-150				6.50		
M 179	4a/6a V11	M 1493	0-50	29	10	61	4.50	11.0	18
		M 1494	-100				7.50		
		M 1495	-150				7.00		
M 180	3l V2	M 1496	0-50	53	5	42	2.50	4.6	11
		M 1497	-100				0.80		
		M 1498	-150	44	27	29	1.20		
M 181	6a E4	M 1499	0-50	80	2	18	0.90	2.9	16
		M 1500	-100	78	2	20	1.25	8.6	43
		M 1501	-150	78	2	20	2.00		
M 182	3as V12	M 1502	0-50	24	11	65	0.84	9.8	15
		M 1503	-100				7.50		
		M 1504	-150				6.50		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm at 25°C.	Exch. Na meq./100g.	E.S.P.
				Sand 2.0 - 0.02mm	Silt .02 - 0.002mm	Clay .002 mm			
1	2	3	4	5a	5b	5c	6	7	8
M 183	4a/6a V12	M 1505	0-50	28	11	61	1.80	11.1	18
		M 1506	-100				7.00		
		M 1507	-150				7.00		
M 184	4a/6a V12	M 1508	0-40	35	9	56	0.76	10.6	19
		M 1509	-90				6.00		
		M 1510	-150				3.70		
M 185	31 V2	M 1511	0-50	58	7	35	0.64	1.7	5
		M 1512	-100	56	7	37	2.00	0.8	2
		M 1513	-150	53	7	40	1.85		
M 186	31 V2	M 1514	0-50	47	9	44	0.40	4.2	10
		M 1515	-90	53	10	37	2.40	6.7	18
		M 1516	100-150				1.45		
M 187	31 V2	M 1517	0-50	37	13	50	0.50	4.1	8
		M 1518	-100				1.10		
		M 1519	-150				1.10		
M 188	6a V2	M 1520	0-40	49	11	40	0.60	4.6	11
		M 1521	-90	53	11	36	2.20	10.1	28
		M 1522(A)	-130				7.00		
		M 1523(A)	-160	37	9	54	5.50		
M 189	3s V3	M 1522(B)	0-50	32	11	57	5.00	6.7	12
		M 1523(B)	-100				3.00		
		M 1524(A)	-150				0.75		
M 190	31 V2	M 1524(B)	0-50	45	7	48	1.50	3.5	7
		M 1525	-100	49	12		2.40		
		M 1526	-150	49	9	42	2.30		
		M 1527	175-200	-	-	-	1.30		
M 191	3a V4	M 1528	0-50	26	13	61	0.43	2.6	4
		M 1529	-100	48	5	47	1.04	9.2	20
		M 1530	-150				2.70		
M 192	4a/6a V12	M 1531	0-50	39	9	52	1.50	8.8	17
		M 1532	-100				6.40		
		M 1533	-150				6.50		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch.Na meq./ 100g.	E.S.P.
				Sand 2.0 - 0.02mm	Silt .02-0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
M 193	6a V12	M 1534	0-45	28	9	63	0.58	13.9	22
		M 1535	-95				6.10		
		M 1536	-160				5.90		
M 194	6a V4	M 1537	0-50	26	13	61	2.22	9.1	15
		M 1538	-100	30	14	56	6.00	16.6	30
		M 1539	-150				2.70		
M 195	3sa V4	M 1540	0-50	28	13	59	2.04	4.1	7
		M 1541	-90	30	11	59	6.80	16.0	27
		M 1542	-150				2.60		
M 196	3lsa V2	M 1543	0-50	41	12	47	2.60	4.4	9
		M 1544	-90				7.00	17.2	
		M 1545	-150				7.20		
M 197	3la V2	M 1546	0-50	41	11	48	1.22	5.0	10
		M 1547	-90	38	15	47	1.30	8.2	17
		M 1548	-160				1.10		
M 198	3a V4	M 1549	0-50	39	9	52	0.44	5.8	11
		M 1550	-100	46	8	46	2.00	12.2	26
		M 1551	-150	49	8	43	3.40		
M 199	6a V12	M 1552	0-50	33	12	55	2.41	11.3	21
		M 1553	-100				2.95		
		M 1554	-160				1.50		
M 200	4a/6a V12	M 1555	0-50	39	8	53	0.70	9.9	19
		M 1556	-100				1.10		
		M 1557	-170				0.66		
M 201	2 V4	M 1558	0-50	31	14	55	0.64	6.6	12
		M 1559	-100	36	11	53	1.10	8.1	15
		M 1560	-150				0.83		
M 202	3l V2	M 1561	0-50	43	10	47	0.43	4.9	10
		M 1562	-100	46	12	42	1.10	5.9	14
		M 1563	-150				0.61		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na meq./ 100g.	E.S.P.
				Sand 2.0 - 0.02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
M 203	6a V10	M 1607(A)	0-50	49	8	43	0.98	12.0	28
		M 1608(A)	-105				6.00		
		M 1609(A)	-160				6.70		
M 204	3s V3	M 1610(A)	-50	33	12	55	4.50	6.0	10
		M 1611(A)	-100				6.80		
		M 1612(A)	-160				3.90		
M 205	6sa V11	M 1613(A)	0-50	31	11	58	5.50	9.5	16
		M 1614(A)	-100				6.10		
		M 1615(A)	-145				5.51		
M 206	6s V3	M 1616(A)	0-50	37	10	53	6.00	6.0	11
		M 1617(A)	-100				7.71		
		M 1618(A)	-160				7.50		
M 207	6a V10	M 1619(A)	0-50	33	28	39	1.10	9.3	24
		M 1620(A)	-100				0.54		
		M 1621(A)	-165				0.95		
M 208	6a E5	M 1622(A)	-50	54	13	33	3.60	8.8	27
		M 1623(A)	-100	78	6	16	1.60	4.3	27
		M 1624(A)	-170				1.70		
M 209	6a E3	M 1564	0-60	74	4	22	0.50	3.6	16
		M 1565	-120				0.68		
		M 1566	-180				1.70		
M 210	6a V9	M 1567	0-50	43	9	48	4.80	11.5	24
		M 1568	-100				6.50		
		M 1569	-160				4.25		
M 211	6sa V11	M 1570	0-60	35	13	52	6.50	11.6	22
		M 1571	-105				7.50		
		M 1572	-160				7.50		
M 212	6s V1	M 1573	0-50	45	13	42	7.50	1.8	4
		M 1574	-100				8.80		
		M 1575	-140				8.50		
M 213	6a V10	M 1576	0-60	-	-	-	0.65	15.6	-
		M 1577	-100				1.26		
		M 1578	-165	65	4	31	2.00		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na Meq./ 100g.	E.S.P.
				Sand 2.0 - 0.02mm	Silt .02 - 0.002mm	Clay .02mm			
1	2	3	4	5a	5b	5c	6	7	8
M 214	41 E4	M 1579	0-60	77	1	22	0.43	0.4	2
		M 1580	-110	86	2	12	0.55	1.3	11
		M 1581	-160				1.00		
M 215	6a E3	M 1582	0-50	80	2	18	0.44	6.6	37
		M 1583	-100	76	4	20	1.20		
		M 1584	-160				0.90		
M 216	31 V2	M 1585	0-80	58	7	35	1.10	-	
		M 1586	-160	64	7	29	0.95	3.5	12
		M 1587	-200	71	7	22	1.10		
M 217	41 E6	M 1588	0-60	67	2	31	0.77	1.9	6
		M 1589	-110	71	7	22	1.55		
		M 1590	-175				0.70		
M 218	3a1 V10	M 1591	0-60	47	9	44	1.70	6.7	15
		M 1592	-120				6.00		
		M 1593	-175				2.60		
M 219	6a E3	M 1594	0-50	71	9	20	3.60	5.9	30
		M 1595	-120	72	4	24	2.80		
		M 1596	-200	66	7	27	1.80		
M 220	4a/6aV10	M 1597	0-60	37	13	50	2.50	9.0	18
		M 1598	-120				4.00		
		M 1599	-180				1.65		
M 221	6a E3	M 1600	0-60	73	7	20	0.92	3.3	17
		M 1601	-120				6.50		
		M 1602	-170	62	7	31	1.20		
M 222	31s V9	M 1603	0-60	58	7	35	5.50	3.3	10
		M 1604	-130				1.10		
		M 1605	-170				2.30		
M 223	6a V2	M 1606	0-60	54	9	37	0.80	5.5	15
		M 1607	-120	36	15	49	1.06	14.1	28
		M 1608	-170				6.00		
M 224	6sa V9	M 1609(B)	0-60	23	38	39	6.70	11.09	28
		M 1610(B)	-120				4.50		
		M 1611(B)	-170	34	18	48	6.80		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na Meq./ 100g.	E.S.P.
				Sand 2.0 - 0.02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
M 225	6a V10	M 1612(B)	0-65	35	15	50	3.90	13.7	27
		M 1613(B)	-95				5.50		
M 226	6a V12	M 1614(B)	0-70	32	14	54	1.50	14.6	27
		M 1615(B)	-120				1.00		
		M 1616(B)	-175				6.00		
M 227	6sa V11	M 1617(B)	0-60	35	12	53	7.00	20.5	39
		M 1618(B)	-130	34	14	52	1.05		
		M 1619(B)	-200	32	14	54	0.64		
M 228	6sa V11	M 1620(B)	0-60	29	14	57	7.20	22.5	39
		M 1621(B)	-120				7.00		
		M 1622(B)	-200	85	1	14	1.15		
M 229	6sa V9	M 1623	0-60	45	13	42	6.50	16.1	38
		M 1624	-120				3.60		
		M 1625	-180	66	11	23	2.40		
M 230	6a E6	M 1626	0-50	64	8	28	1.70	9.1	33
		M 1627	-90				1.60		
		M 1628	-105				1.50		
M 231	6sa V9	M 1629	0-60	51	12	37	7.50	13.5	37
		M 1630	-105				3.80		
		M 1631	-145				-		
M 232	6a E4	M 1632	0-65	72	5	23	2.70	-	
		M 1633	-115	47	12	41	8.00	12.5	30
		M 1634	-160				7.50		
M 233	6sa V9	M 1635	0-55	40	10	50	7.80	17.0	34
		M 1636	-105				4.60		
		M 1637	-175				3.00		
M 234(A)	6sa V9	M 1638	0-30	42	16	42	10.00	8.9	21
		M 1639	-60				14.00		
		M 1640	-100				16.00		
		M 1641	-170				15.60		
M 234(B)	6s V2	M 1642	0-30	43	7	50	2.20	2.5	5
		M 1643	-105				12.50		
		M 1644	-180				7.90		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na meq./ 100g.	E.S.P.
				Sand 2.0 - 0.02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
M 235	6sa V9	M 1645	0-40	48	10	42	5.50	17.0	40
		M 1646	-120				7.90		
		M 1647	-150	56	5	39	5.30		
M 236	6sa V9	M 1648	0-60	53	11	36	8.40	8.9	25
		M 1649	-135				10.20		
		M 1650	-200				4.90		
M 237	6sa V11	M 1651	0-30	44	5	51	10.50	19.1	37
		M 1652	-105	31	11	58	10.20		
		M 1653	-165				3.40		
M 238	6s E6	M 1654	0-28	56	13	31	0.90	3.2	10
		M 1655	-70	41	10	49	6.40	7.8	16
		M 1656	-160				10.50		
M 239	6s V1	M 1657	0-30	44	11	45	5.60	1.7	2
		M 1658	-100				16.00		
		M 1659	-170				2.10		
M 240	6sa V10	M 1660	0-15	45	8	47	0.80	7.3	16
		M 1661	-45				0.80		
		M 1662	-100				10.50		
		M 1663	-105				10.20		
M 241	6a V2	M 1664	0-30	50	8	42	1.70	3.2	8
		M 1665	-90	33	12	55	7.00	15.8	29
		M 1666	-150				7.20		
M 242	6sa V10	M 1667	0-40	42	10	48	3.10	12.2	25
		M 1668	-80				8.00		
		M 1669	-120				3.90		
		M 1670	-160				3.50		
M 243	6s V1	M 1671	0-50	34	16	50	9.00	5.8	12
		M 1672	-100				10.20		
		M 1673	-150				-		
M 244	6sa V9	M 1674	0-40	43	13	44	10.20	15.8	36
		M 1675	-80				16.00		
		M 1676	-160				5.80		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na meq./ 100g.	E.S.P.
				Sand 2.0 - 0.02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
M 245	6a V2	M 1677	0-45	53	8	39	2.50	5.5	14
		M 1678	-90	42	9	49	6.50	16.0	32
		M 1679	-150				4.20		
M 246	6s V2	M 1680	0-33	40	13	47	3.40	4.9	10
		M 1681	-100				10.10		
		M 1682	-165				3.40		
M 247	6sa V11	M 1683	0-50	36	13	51	10.20	14.4	28
		M 1684	-100				15.00		
		M 1685	-150				13.00		
M 248	6a V2	M 1686	0-50	47	13	40	4.00	4.6	12
		M 1687	-100	28	13	59	8.00	17.0	29
		M 1688	-150				10.00		
M 249	6sa V9	M 1689	0-50	41	16	43	6.80	9.4	21
		M 1690	-100				7.20		
		M 1691	-150				8.50		
M 250A	6a V2	M 1692	0-50	44	16	40	3.50	-	
		M 1693	-100	38	10	52	7.90	15.0	29
		M 1694	-150				8.80		
M 250B	6sa V11	M 1695	0-50	39	10	51	6.50	8.6	17
		M 1696	-100				10.20		
		M 1697	-150				10.20		
M 251	6s E5	M 1698	0-50	56	16	28	6.80	3.2	11
		M 1699	-100				8.50		
		M 1700	-150				8.00		
M 252	6a V10	M 1701	0-50	52	8	40	1.30	7.1	18
		M 1702	-115				3.60		
M 253	6sa V9	M 1703	0-50	47	11	42	6.80	9.4	22
		M 1704	-100				9.00		
		M 1705	-150				2.90		
M 254	6s V2	M 1707	0-33	39	13	48	2.00	1.9	4
		M 1708	-100				9.00		
		M 1709	-165				4.60		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na meq./ 100g.	E.S.P.
				Sand 2.0 - 0.02mm	Silt .02 - 0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
M 255	3a V4	M 1710	0-40	31	16	53	0.80	7.8	15
		M 1711	-80	36	10	54	1.90	11.9	22
		M 1712	-160				6.90		
M 256	3s V3	M 1713	0-66	41	5	54	4.10	4.6	9
		M 1714	-100				9.00		
		M 1715	-166				2.80		
M 257	3l V2	M 1716	0-30	41	19	40	2.70	1.4	4
		M 1717	-90	36	12	52	5.70	10.2	19
		M 1718	-150				7.50		
M 258	6a V2	M 1719	0-60	39	16	45	3.40	4.1	9
		M 1720	-90	40	9	51	7.70	20.3	40
		M 1721	-150				4.10		
M 259	6a V10	M 1722	0-30	50	8	42	1.10	7.6	18
		M 1723	-90				4.00		
		M 1724	-150				3.00		
M 260	6sa V9	M 1725	0-30	44	14	42	12.00	18.8	45
		M 1726	-90				16.00		
		M 1727	-160				12.00		
M 261	6sa V11	M 1728	0-60	31	16	53	8.80	21.3	40
		M 1729	-90				12.50		
		M 1730	-150				5.80		
M 262	6sa V10	M 1731	0-60	46	12	42	1.00	9.0	21
		M 1732	-110				8.50		
		M 1733	-150				7.00		
M 263	6sa V10	M 1734	0-30	50	11	39	2.30	10.6	27
		M 1735	-90				10.50		
		M 1736	-150				8.00		
M 264	6a V10	M 1737	0-30	45	11	44	0.90	11.5	26
		M 1738	-90				7.80		
		M 1739	-150				2.80		
M 265	6sa V10	M 1740	0-20	45	11	44	1.20	11.0	25
		M 1741	-80				8.00		
		M 1742	-140				8.00		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na meq./ 100g.	E.S.P.
				Sand 2.0 - 0.02mm	Silt .02-0.002mm	Clay .002mm			
1	2	3	4	5a	5b	5c	6	7	8
M 266	6a E3	M 1743	0-54	58	11	31	4.80	7.8	25
		M 1744	-108				2.10		
		M 1745	-165				3.90		
M 267	6s V2	M 1746	0-15	49	16	35	3.00	2.4	7
		M 1747	-75				7.10		
		M 1748	-130				10.20		
		M 1749	-170				5.00		
M 268	6sa V10	M 1750	0-60	41	16	43	3.60	6.9	16
		M 1751	-120				9.50		
		M 1752	-160				5.20		
M 269	6sa V9	M 1753	0-60	44	16	40	4.60	9.7	24
		M 1754	-120				8.80		
		M 1755	-160				8.00		
M 270	6sa V9	M 1756	0-60	47	16	37	8.00	6.7	18
		M 1757	-90				8.50		
		M 1758	-170				6.80		
M 271	6s E6	M 1759	0-30	56	13	31	3.30	3.1	10
		M 1760	-90				12.00		
		M 1761	-150				10.00		
M 272	6sa E5	M 1762	0-45	42	21	37	13.00	15.5	42
		M 1763	-105				14.00		
		M 1764	-150				20.00		
M 273	6sa V9	M 1765	0-48	39	11	50	7.10	14.4	29
		M 1766	-96				11.00		
		M 1767	-150				5.00		
M 274	6sa V11	M 1768	0-50	29	13	58	7.50	23.5	40
		M 1769	-100				6.80		
		M 1770	-150				4.30		
M 275	6sa E5	M 1771	0-45	42	26	32	20.00	16.5	52
		M 1772	-105				24.00		
		M 1773	-140				15.00		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/ cm. at 25°C.	Exch. Na meq./ 100 g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02- 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
M 276	6 sa V9	M 1774	0- 50	39	21	40	7.80	8.3	21
		M 1775	- 90				12.50		
		M 1776	-150				7.00		
M 277	31 V2	M 1777	0- 45	47	11	42	0.90	1.4	3
		M 1778	- 90	38	15	47	1.40	1.4	3
		M 1779	-150	47	18	35	2.20		
M 279	6sa V9	M 1786	0- 45	42	13	45	6.00	18.3	41
		M 1787	- 90				7.80		
		M 1788	-150				6.50		
M 281	6a V10	M 1795	0- 66	50	10	40	2.60	8.3	21
		M 1796	-100	63	8	29	4.30		
		M 1797	-170	72	7	21	2.30		
M 282	6 sa E5	M 1798	0- 45	45	21	34	7.00	5.4	16
		M 1799	- 90				9.00		
		M 1800	-150				12.00		
M 283	6sa V9	M 1801	0- 60	39	13	48	6.50	13.6	29
		M 1802	-110				5.10		
		M 1803	-150				3.00		
M 284	6sa V9	M 1804	0- 45	42	13	45	-	10.8	24
		M 1805	- 90				9.00		
		M 1806	-135				8.80		
		M 1807	-150	61	7	32	7.20	17.0	53
M 285	6 sa E5	M 1808	0- 48	41	24	35	16.00	18.9	54
		M 1809	-100				12.00		
		M 1810	-160				7.80		
M 286	6 sa V9	M 1811	0- 60	44	16	40	6.00	7.0	17
		M 1812	-120				8.50		
		M 1813	-160				6.80		
M287	6s V3	M 1814	0- 60	31	18	51	5.00	2.2	4
		M 1815	-120				12.00		
		M 1816	-150				10.20		
M 290	6s V2	M 1829	0- 33	47	16	37	1.50	3.6	10
		M 1830	-100				9.00		
		M 1831	-166				8.00		

Table 1.5

	Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/ cm. at 25°C.	Exch. Na meq./ 100 g.	E.S.P.
					Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
	1	2	3	4	5a	5b	5c	6	7	8
X	M 291	6s V1	M 1832	0- 40	44	14	42	7.50	5.6	13
			M 1833	- 90				16.00		
			M 1834	-145				10.20		
X	M 292	6sa E5	M 1835	0- 40	50	16	34	5.50	6.9	20
			M 1836	-100				10.00		
			M 1837	-160				4.60		
	M 293	6sa V9	M 1838	0- 50	47	16	37	5.00	8.9	24
			M 1839	-110				10.00		
			M 1840	-170				12.00		
	M 294	6sa V10	M 1841	0- 50	41	11	48	13.80	9.4	20
			M 1842	-100				12.40		
			M 1843	-150				6.50		
	M 295	6sa E5	M 1844	0- 60	50	16	34	4.50	6.7	20
			M 1845	-110				9.00		
			M 1846	-140				7.30		
	M 296	6s V1	M 1847	0- 60	47	16	37	6.10	5.5	15
			M 1848	-120				13.60		
			M 1849	-150				4.20		
	M 297	6a V10	M 1850	0- 60	41	16	43	3.00	9.8	23
			M 1851	- 90				7.00		
			M 1852	-150				6.40		
X	M 298	6sa V9	M 1853	0- 35	49	16	35	6.80	-	
?			M 1854	-100				8.00		
	M 299 M 300		M 1855	-150				4.60		
X	M 301	6sa V9	M 1868	0- 60	50	11	39	5.50	10.0	26
			M 1869	-120	56	10	34	3.00		
			M 1870	-180				2.50		
X	M 302	6 a E5	M 1871	0- 60	64	10	26	3.60	4.8	18
			M 1872	-120				8.20		
			M 1873	-150				7.80		
X	M 303	3 ls E6	M 1874	0- 60	60	10	30	3.90	4.0	13
			M 1875	-120				8.50		
			M 1876	-180				5.00		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/ cm. at 25°C.	Exch. Na meq./ 100 g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
M 304	3 ls E5	M 1877	0- 60	54	16	30	4.50	1.2	4
	6 ls	M 1878	-120				8.50		
		M 1879	-170				9.00		
M 305	6sa V9	M 1880	0- 60	39	13	48	4.80	10.0	21
		M 1881	-115				8.50		
		M 1882	-150				2.50		
M 306	6sa E5	M 1883	0- 60	52	14	34	5.80	6.1	18
		M 1884	0-100				10.00		
		M 1885	-150				9.00		
M 308	6a E5	M 1892	0- 60	60	11	29	0.50	15.2	52
		M 1893	-120	60	11	29	2.10		
		M 1894	-180	74	5	21	1.90		
M 309	6sa V9	M 1895	0- 70	55	8	37	7.00	9.6	26
		M 1896	-135				9.00		
		M 1897	-200						
M 310	6sa V9	M 1898	0- 60	39	13	48	8.50	8.2	17
		M 1899	-120				5.70		
		M 1900	-200				3.70		
M 311	6sa V9	M 1901	0- 60	49	16	35	5.8	7.6	22
		M 1902	-120				10.0		
		M 1903	-180				8.5		
M 312	6sa V9	M 1904	0- 30	44	11	45	5.0	8.0	18
		M 1905	-100				10.0		
		M 1906	-150				4.8		
M 313	6sa V9	M 1907	0- 60	39	13	48	10.2	7.5	16
		M 1908	-120				12.0		
		M 1909	-200	52	16	32	6.1		
M 314	6sa V9	M 1910	0- 66	45	19	36	7.5	9.8	27
		M 1911	-130	44	11	45	10.2		
		M 1912	-200	56	16	28	3.8		
M 315	6a V10	M 1913	0- 60	53	8	39	2.8	8.5	22
		M 1914	-120				2.9		
		M 1915	-180	72	7	21	1.8		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na meq./100 g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
M 316	6sa V9	M 1916	0- 60	44	11	45	6.4	-	
		M 1917	-130				3.9		
		M 1918	-200				2.9		
M 319	6a E5	M 1937	0- 66	60	6	34	3.4	12.8	38
		M 1938	-130				2.7		
		M 1939	-200	50	13	37	2.4		
M 320	6a E5	M 1940	0- 40	53	8	39	2.5	11.5	29
		M 1941	-100				2.2		
		M 1942	-180				0.9		
M 321	3 sl V9	M 1943	0- 60	41	14	45	4.5	6.7	15
		M 1944	-120				9.0		
		M 1945	-180	27	11	62	9.0		
M 322	3sa V4	M 1946	0- 60	38	10	52	3.0	3.3	6
		M 1947	-120	33	11	56	6.5	13.3	24
		M 1948	-180				7.0		
M 323	6s V2	M 1949	0- 60	44	19	37	-	4.3	12
		M 1950	-120				9.0		
		M 1951	-180	24	11	65	6.5		
M 324	6s V2	M 1952	0- 70	44	13	43	-	-	
		M 1953	-140				8.0		
		M 1954	-200	18	13	69	7.0		
M 325	3 ls V2	M 1955	0- 60	48	10	42	3.2	-	
		M 1956	-120				6.0		
		M 1957	-170				6.0		
M 326	6 sa V9	M 1958	0- 60	53	11	36	5.0	6.8	19
		M 1959	-130				12.0		
		M 1960	-188				7.5		
X M 328	6sa E5	M 1970	0- 66	50	16	34	-	5.4	16
		M 1971	-130				11.0		
		M 1972	-200				11.0		
X M 329	6sa V9	M 1973	0- 30	39	13	48	-	19.1	40
		M 1974	- 90				14.0		
		M 1975	-115	35	8	57	11.0		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C.mmhos/cm. at 25°C.	Exch.Na meq./100 g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
M 330	6a V10	M 1976	0- 33	47	11	42	3.6	12.1	29
		M 1977	- 80				3.0		
		M 1978	-125				1.8		
M 331	6a V4	M 1979	0- 66	31	16	53	3.2	5.4	10
		M 1980	-133	32	17	51	5.0	17.9	36
		M 1981	-200				8.0		
M 332	6sa V9	M 1982	0- 45	44	19	37	-	7.2	19
		M 1983	- 90				9.0		
		M 1984	-110				9.0		
M 333	31 V 2	M 1985	0- 60	50	13	37	1.1	3.1	8
		M 1986	- 85	51	6	43	1.9	5.6	13
		M 1987	-104	60	6	34	2.4	5.0	13
M 335	6s V3	M 1997	0- 66	37	10	53	12.0	-	
		M 1998	-133				6.0		
		M 1999	-200				-		
M 336	6sa V11	M 2000	0- 66	36	13	51	8.8	12.4	24
		M 2001	-133				4.5		
		M 2002	-200				2.9		
M 337	6sa V9	M 2003	0- 66	41	14	45	5.8	10.8	24
		M 2004	-133				5.2		
		M 2005	-200	58	16	26	2.4		
M 338	6sa V11	M 2006	0- 50	37	6	57	7.0	15.8	28
		M 2007	-100				8.2		
		M 2008	-160				8.0		
M 339	6sa V9	M 2009	0- 66	34	21	45	11.0	21.8	48
		M 2010	-133				10.2		
		M 2011	-180				5.75		
M 340	6a V10	M 2012	0- 33	42	8	50	1.68	11.9	24
		M 2013	- 66				8.0		
		M 2014	-120				4.8		
M 341	6s V3	M 2015	0- 66	40	8	52	7.0	7.4	14
		M 2016	-133				7.5		
		M 2017	-200				-		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na meq./100 g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
M 342	6sa V11	M 2018	0- 66	41	8	51	5.6	8.6	17
		M 2019	-133	37	10	53	8.5		
		M 2020	-175	55	8	37	3.8		
M 343	6sa V11	M 2021	0- 66	31	16	53	6.2	22.9	43
		M 2022	-133				8.2		
		M 2023	-200				5.25		
M 344	6a V12	M 2024	0- 60	39	10	51	3.3	12.5	24
		M 2025	-110				4.5		
		M 2026	-130				2.9		
M 345	6sa V12	M 2027	0- 50	35	14	51	-		
		M 2028	-100				6.5		
M 346	6sa V11	M 2029	0- 40	44	16	40	7.0	14.3	36
		M 2030	-100				7.4		
		M 2031	-125	32	14	54	4.8		
M 347	6a V10	M 2032	0- 54	52	11	37	-		
		M 2033	-110				5.2		
		M 2034	-200				3.5		
M 348	6sa V9	M 2035	0- 50	41	22	37	6.0	11.0	30
		M 2036	- 90				7.2		
		M 2037	-112				5.25		
M 349	3l V2	M 2038	0- 56	49	11	40	0.8	6.0	15
		M 2039	-112	38	13	49	5.0	6.3	13
		M 2040	-170	63	8	29	4.5		
M 350	6a V2	M 2041	0- 50	35	17	48	1.7	5.5	11
		M 2042	-100	48	13	39	4.5	10.6	27
		M 2043	-130				3.0		
M 351	6a V2	M 2044	0- 50	39	13	48	-		
		M 2045	-100	29	10	61	7.0	18.0	33
		M 2046	-160				4.6		
M 352	3s V3	M 2047	0- 50	38	11	51	4.75	4.7	9
		M 2048	-100				4.70		
M 353	6sa V11	M 2049	0- 42	28	14	58	10.0	13.2	23
		M 2050	- 85				13.0		
		M 2051	-110	35	16	49	9.0		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na meq./100 g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
M 354	6sa V11	M 2052	0- 42	39	10	51	7.4	17.8	35
		M 2053	- 95	38	14	48	10.2		
M 357	6s E5	M 2072	0- 38	61	8	31	2.8	4.2	14
		M 2073	- 76				8.75		
		M 2074	-135	46	11	43	8.5		
M 358	6a E6	M 2075	0- 64	52	14	34	3.6	2.8	8
		M 2076	-128	44	8	48	-	11.9	26
		M 2077	-176				9.0		
M 359	6a E6	M 2078	0- 50	35	31	34	-		
		M 2079	- 85	56	5	39	6.8	9.7	28
M 360	6a V10	M 2080	0- 60	52	8	40	2.8	8.3	21
		M 2081	-120				3.2		
		M 2082	-140	41	16	43	2.1		
M 361	6s E6	M 2083	0- 66	43	29	28	2.2	2.8	10
		M 2084	-120				13.0		
		M 2085	-145				10.2		
M 362	6a E4	M 2086	0- 45	72	7	21	1.85	1.6	8
		M 2087	-105	41	8	51	7.0	19.0	37
		M 2088	-150				7.0		
M 367	6sa V9	M 2089	0- 66	37	21	42	9.0	11.2	27
		M 2090	-120				6.0		
		M 2091	-170				5.25		
		M 2092	-235				1.7		
M 368	6a V2	M 2093	0- 30	44	16	40	1.5	1.3	3
		M 2094	-120	66	5	29	8.0	12.3	42
		M 2095	-180				7.2		
		M 2096	-210				4.2		
M 369	6a V2	M 2097	0- 66	39	13	48	-		
		M 2098	-130				3.7	21.0	
		M 2099	-175				2.6		
M 370	31 V2	M 2100	0- 52	39	16	45	4.5	6.7	15
		M 2101	-130	41	10	49	1.55	0.6	1
		M 2102	-155				3.5		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C.mmhos/cm. at 25°C.	Exch. Na meq./100 g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
M 371	6a V2	M 2103	0- 50	47	10	43	2.9	4.3	10
		M 2104	-110	43	8	49	7.5	17.0	34
		M 2105	-187				3.7		
M 372	6a V10	M 2106	0- 66	52	13	35	3.5	22.5	64
		M 2107	-130				4.8		
		M 2108	-165				5.8		
M 373	6sa V9	M 2109	0- 45	43	11	46	6.5	24.1	52
		M 2110	-125				10.2		
		M 2111	-200				8.0		
M 374	6a V2	M 2112	0- 66	40	16	44	3.6	4.4	10
		M 2113	-100	30	11	59	4.5	18.6	31
		M 2114	-166				8.0		
M 375	6a V12	M 2115	0- 45	26	11	63	-	26.3	42
		M 2116	- 90				3.8		
		M 2117	-175				5.9		
M 376	6a E6	M 2118	0- 45	37	36	27	3.3	3.2	12
		M 2119	-90	33	13	54	5.0	17.0	31
		M 2120	-140				8.8		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/ cm. at 25°C.	Exch. Na meq./100 g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
R 117	4a V12	R 1052	0- 20	45	4	51	1.00	8.79	17
		R 1053	- 90	37	8	55	1.75	7.74	14
		R 1054	-150	47	8	45	2.80	9.33	21
R 118	2 V4	R 1055	0- 70	31	12	57	1.25	7.60	13
		R 1056	-100	25	8	67	6.00	10.40	15
		R 1057	-160	23	32	45	6.50	10.61	23
R 119	2 V4	R 1058	0- 33	29	12	59	2.60	4.29	7
		R 1059	- 80	35	10	55	5.25	6.80	12
		R 1060	-130	37	10	53	6.75	10.45	20
R 120	2 V4	R 1061	0- 55	25	10	65	1.65	8.35	13
		R 1062	- 75	11	14	75	4.75	9.97	13
		R 1063	-141	27	10	63	7.00	9.92	16
R 121	6a V12	R 1064	0- 30	27	10	63	1.60	9.81	16
		R 1065	-105	67	8	25	6.50	11.69	47
		R 1066	-160	23	13	64	4.00	10.33	16
R 122	3sa V4	R 1067	0- 50	31	7	62	1.02	8.16	13
		R 1068	- 95	27	11	62	6.50	10.56	17
		R 1069	-145	27	25	48	6.20	9.28	19
R 123	6a V10	R 1070	0- 81	31	21	48	3.80	8.64	18
		R 1071	-120	19	19	62	8.20	11.04	18
		R 1072	-154	17	21	62	7.20	10.70	17
R 124	3sa V4	R 1073	0- 50	31	13	56	2.70	7.73	14
		R 1074	- 90	25	11	64	7.50	11.44	18
		R 1075	-140	23	7	70	5.50	10.81	15
R 125	3as V12	R 1076	0- 55	29	11	60	1.70	9.22	15
		R 1077	-120	19	11	70	6.20	11.09	16
		R 1078	-160	29	17	54	3.00	10.50	20
R 126	6a V12	R 1079	0- 50	33	9	58	1.70	12.77	22
		R 1080	- 85	33	7	60	6.80	9.36	16
		R 1081	-115	27	11	62	6.80	10.06	16
		R 1082	-150	21	23	56	7.20	10.81	19
R 127	4a V12	R 1083	0- 60	25	13	62	2.40	9.65	16
		R 1084	-110	23	12	65	7.20	10.83	17
		R 1085	-170	26	19	55	4.00	10.54	19

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na. meq./100g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
R 128	4a V12	R 1086	0- 50	32	10	58	1.48	9.04	16
		R 1087	-120	26	16	58	5.00	1.09	2
		R 1088	-170	16	56	28	2.80	11.48	41
R 129	4a V10	R 1089	0- 40	36	28	36	1.20	6.58	18
		R 1090	-120	24	10	66	1.50	10.88	17
		R 1091	-150	36	14	50	0.95	10.76	21
R 130	31s V2	R 1092	0- 60	32	26	42	3.00	4.59	11
		R 1093	-105	8	18	74	7.00	9.92	13
		R 1094	-170	2	14	84	5.50	12.49	15
R 131	2 V4	R 1095	0- 75	32	8	60	4.00	8.05	13
		R 1096	-130	32	8	60	5.50	9.09	15
		R 1097	-165	30	6	64	5.50	8.91	14
R 132	31 V2	R 1098	0- 70	62	2	36	1.15	1.73	5
		R 1099	-110	52	6	42	0.53	1.77	4
		R 1100	-150	23	12	65	0.48	1.41	2
R 133	6a E6	R 1101	0- 60	58	9	33	0.64	-	
		R 1102	-100	64	5	31	2.60	-	
		R 1103	-200	78	3	19	1.80	-	
R 134	6as V11	R 1104	0- 40	26	12	62	7.00	10.29	17
		R 1105	-130	37	1	62	7.50	10.87	17
		R 1106	-200	24	16	60	4.25	9.44	15
R 135	4 1 E6	R 1107	0- 50	64	5	31	0.49	-	
		R 1108	-160	64	5	31	0.98	-	
		R 1109	-200	76	3	21	1.11	-	
R 136	6a V12	R 1110	0- 60	28	14	58	1.44	12.30	21
		R 1111	-110	20	12	68	6.00	10.81	16
		R 1112	-150	20	14	66	5.50	9.74	15
R 137	2 V4	R 1113	0- 80	24	20	56	1.70	8.18	15
		R 1114	-145	38	8	54	1.29	9.58	18
		R 1115	-200	26	10	64	1.47	10.85	17
R 138	2 V4	R 1116	0- 85	36	10	54	0.80	6.35	12
		R 1117	-140	26	10	64	5.25	8.81	14
		R 1118	-200	26	6	68	2.00	9.23	14

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/ cm. at 25°C.	Exch. Na meq./100g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
R 139	3s V4	R 1119	0- 40	31	11	58	1.75	6.74	12
		R 1120	-100	19	13	68	6.25	7.90	12
		R 1121	-140	11	5	84	6.60	10.89	13
R 140	3s V3	R 1122	0- 70	25	9	66	4.50	9.60	15
		R 1123	-140	23	7	70	6.50	10.11	14
		R 1124	-160	19	9	72	3.70	11.77	16
R 141	2 V4	R 1125	0- 70	24	10	66	0.94	7.69	12
		R 1126	-130	19	9	72	6.50	10.24	14
		R 1127	-170	11	9	80	6.50	9.91	12
R 142	2 V4	R 1128	0- 70	29	11	60	1.45	6.46	11
		R 1129	-130	23	7	70	4.00	9.61	14
		R 1130	-180	27	5	68	2.00	9.20	14
R 143	3s V4	R 1131	0- 60	31	9	60	0.86	8.79	15
		R 1132	-120	19	5	76	6.80	10.57	14
		R 1133	-150	15	7	78	2.60	11.59	15
R 144	3s V12	R 1134	0- 40	27	11	62	0.75	9.54	15
		R 1135	-100	23	11	66	5.50	9.92	15
		R 1136	-140	19	11	70	7.50	10.71	15
R 145	3sa V4	R 1137	0- 50	29	12	59	3.80	7.77	13
		R 1138	-120	27	4	69	7.80	10.91	16
		R 1139	-160	29	8	63	6.50	11.32	18
R 146	4a V11	R 1140	0- 40	41	8	51	4.25	8.81	17
		R 1141	-110	33	8	59	7.50	11.38	19
		R 1142	-150	23	12	65	7.60	10.54	16
R 147	2 V4	R 1143	0- 80	35	12	53	2.60	5.09	10
		R 1144	-130						
		R 1145	-200	33	8	59	5.00	7.43	13
R 148	6as V12	R 1146	0- 50	42	8	50	3.2	10.9	22
		R 1147	-105	37	10	53	10.0	16.2	31
		R 1148	-170	37	10	53	10.0	12.7	24
R 149	6a V10	R 1149	0- 50	45	12	43	1.9	7.6	18
		R 1150	-110	40	10	50	7.0	10.1	20
		R 1151	-150	40	10	50	2.7	14.9	30

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E. C. mmhos/ cm. at 25°C.	Exch.Na meq./100g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
R 150	6a V10	R 1152	0-170	45	10	45	3.8	15.8	35
		R 1153	-250	45	10	45	3.4	18.3	41
		R 1154	-300	45	10	45	5.25	2.6	6
R 151	6s V2	R 1155	0- 40	44	18	38	2.50	3.0	8
		R 1156	- 90				8.50		
		R 1157	-150				10.20		
R 152	4a/6a V12	R 1158	0- 50	31	18	51	2.70	9.9	19
		R 1159	-130				7.50		
		R 1160	-160				2.40		
R 153	3sa V4	R 1161	0- 60	39	8	53	3.20	7.5	14
		R 1162	-120	36	17	47	7.00	13.5	27
		R 1163	-200				4.20		
R 154	6as V12	R 1164	0- 65	33	12	55	3.00	8.4	15
		R 1165	-125				10.00		
		R 1166	-160				8.00		
R 155	3s V3	R 1167	0- 80	35	10	55	4.50	6.7	12
		R 1168	-120				7.00		
		R 1169	-150				2.50		
R 156	31s V2	R 1170	0- 50	41	16	43	2.50	1.6	4
		R 1171	-105				8.00		
		R 1172	-155				7.00		
R 157	31s V2	R 1173	0- 70	54	10	36	1.40	4.7	13
		R 1174	-130	50	8	42	8.00	7.4	18
		R 1175	-155				7.50		
R 158	6s V1	R 1176	0- 60	41	12	47	10.00	2.1	4
		R 1177	- 70				4.75		
		R 1178	-200				2.50		
R 159	6a V12	R 1179	0- 70	26	17	57	4.00	11.7	21
		R 1180	-130				8.50		
		R 1181	-170				8.50		
R 160	6a V4	R 1182	0- 55	37	12	51	2.40	4.8	9
		R 1183	-110				7.00	20.3	
		R 1184	-160				7.80		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na meq./100g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
R 161	4a/6a V12	R 1185	0- 60	33	12	55	3.20	10.3	19
		R 1186	-110				8.50		
		R 1187	-150				7.00		
R 162	4a/6a V12	R 1188	0- 50	33	12	55	1.65	9.7	18
		R 1189	-100				5.50		
		R 1190	-170				2.30		
R 163	6a V10	R 1191	0- 80	49	10	41	0.75	7.4	18
		R 1192	-120				7.00		
		R 1193	-160				5.75		
R 164	6s V8	R 1194	0- 50	33	14	53	1.00	4.6	9
		R 1195	-115				10.00		
		R 1196	-160				6.75		
R 165	6as V11	R 1197	0- 60	31	14	55	5.00	10.1	18
		R 1198	-105				10.50		
		R 1199	-155				8.50		
R 166	31sa V6	R 1200	0- 70	43	8	49	3.60	5.6	11
		R 1201	-115				8.50	14.3	
		R 1202	-165				5.00		
R 167	6as V11	R 1203	0-105	34	7	59	7.00	22.3*	38
		R 1204	-155				7.50		
R 168	31s V2	R 1205	0- 60	50	12	38	1.10	3.8	10
		R 1206	-125	42	12	46	7.00		
		R 1207	-165				8.00		
R 169	6a V10	R 1208	0- 70	43	10	47	0.95	9.8	21
		R 1209	-115				5.80		
		R 1210	-150				4.25		
R 170	3sa V2	R 1211	0- 50	33	11	56	0.72	6.9	12
		R 1212	-115	35	13	52	6.75	13.9	28
		R 1213	-165				8.50		
R 171	3 als V10	R 1214	0- 60	39	29	32	4.00	4.9	15
		R 1215	-105				7.50		
		R 1216	-155				10.00		

* This is total Na, soluble figure unavailable.

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na meq./100g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
R 172	2 V4	R 1217	0- 50	35	15	50	2.30	2.3	15
		R 1218	-100	39	13	48	6.00	7.6	15
		R 1219	-155				10.00		
R 173	6s V2	R 1220	0- 50	46	24	30	3.00	3.5	11
		R 1221	-105				9.50		
		R 1222	-150				10.50		
R 174	3s V3	R 1223	0- 45	33	13	54	4.80	7.6	14
		R 1224	-105				8.00		
		R 1225	-160				8.20		
R 175	6as V12	R 1226	0- 60	35	11	54	2.70	18.7	35
		R 1227	-110				10.20		
		R 1228	-170				10.0		
R 176	6a V10	R 1229	0- 65	52	9	39	1.11	9.5	24
		R 1230	-120				7.20		
		R 1231	-150				2.30		
R 177	6a V10	R 1232	0- 50	47	9	44	2.00	11.4	26
		R 1233	- 90				2.30		
		R 1234	-200				1.40		
R 178	6a V12	R 1235	0- 65	33	10	57	2.00	14.2	25
		R 1236	-140				8.00		
		R 1237	-165				7.00		
R 179	6a V12	R 1238	0- 65	31	13	56	0.90	12.1	22
		R 1239	-150				7.50		
		R 1240	-200				6.80		
R 180	4a/6a V12	R 1241	0- 50	35	2	63	3.40	12.1	19
		R 1242	-110				2.20		
R 181	6as E3	R 1243	0- 50	44	34	22	8.50	3.6	16
		R 1244	-120				6.00		
		R 1245	-170				7.00		
R 182	4a/6a V12	R 1246	0- 55	34	13	53	2.00	10.6	20
		R 1247	-110				7.50		
R 183	31s V2	R 1248	0- 45	37	15	48	3.00	4.4	9
		R 1249	-125				8.00		
		R 1250	-180				3.80		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C.mmhos/cm. at 25°C.	Exch. Na meq./100g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
R 184	31s V2	R 1251	0- 50	43	15	42	2.20	3.0	7
		R 1252	-130	39	10	51	8.00		
		R 1253	-170				8.00		
R 185	6a V12	R 1254	0- 55	41	9	50	2.50	10.5	21
		R 1255	-130				7.00		
		R 1256	-170				7.50		
R 186	4a/6a V12	R 1257	0- 70	33	11	56	0.95	11.0	20
		R 1258	-125				8.00		
		R 1259	-165				8.50		
R 187	6a V4	R 1260	0- 50	37	13	50	3.50	6.0	12
		R 1261	- 90				7.00	16.0	
		R 1262	-130				5.00		
R 188	4a/6a V 12	R 1263	0- 60	27	17	56	3.20	11.5	20
		R 1264	-100				6.80		
		R 1265	-150				5.50		
R 189	31s V2	R 1266	0- 30	44	19	37	2.50	2.3	6
		R 1267	-120	44	9	47	6.80		
		R 1268	-200				7.70		
R 190	6s V1	R 1269	0- 60	39	17	44	6.75	5.5	12
		R 1270	- 90				10.20		
		R 1271	-130				10.50		
		R 1272	-200				8.50		
R 191	31s V1	R 1273	0- 40	33	21	46	4.25	5.6	12
		R 1274	-115				7.50		
		R 1275	-165				6.50		
R 192	6s V4	R 1276	0- 50	33	17	50	3.40	5.1	10
		R 1277	-120				9.00		
		R 1278	-160				4.75		
R 193	2 V4	R 1279	0- 90	33	11	56	2.10		
		R 1280	-130	34	12	54	7.50	17.1	32
		R 1281	-180				8.00		
R 194	4 1 E4	R 1282	0- 35	67	9	24	0.34	0.6	3
		R 1283	-100	71	5	24	0.25	0.1	1
		R 1284	-160	64	7	29	0.30		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/ cm. at 25°C.	Exch. Na meq/100g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
R 195	3a V12	R 1285	0- 60	30	11	59	1.50	9.0	15
		R 1286	-105				5.00		
		R 1287	-160				3.20		
R 196	3asl V10	R 1288	0- 65	45	9	46	2.40	7.1	15
		R 1289	-110				8.00		
		R 1290	-180				4.50		
R 197	2 V4	R 1291	0- 50	43	11	56	1.40	3.3	7
		R 1292	-135	34	12	54	-		
		R 1293	-200				6.50		
R 198	41 E6	R 1294	0- 55	43	30	27	-	3.3	12
		R 1295	-120	34	12	54	-		
		R 1296	-180				-		
R 199	4a/6a V12	R 1297	0- 50	35	9	56	2.10	10.0	18
		R 1298	-115				6.50		
		R 1299	-200				6.50		
R 200	3sa V4	R 1300	0- 50	39	7	54	1.30	6.9	13
		R 1301	- 95	44	12	44	8.00	12.1	27
		R 1302	-160				7.00		
R 201	3s V4	R 1303	0- 60	33	11	56	1.90	7.2	13
		R 1304	-110	39	14	47	8.00		
		R 1305	-145				5.20		
R 202	3s V4	R 1306	0- 25	33	10	57	2.80	4.5	8
		R 1307	-110	28	14	58	8.00		
		R 1308	-165				5.50		
R 203	6s V1	R 1309	0- 65	33	31	36	6.50	4.7	13
		R 1310	-120				9.00		
		R 1311	-155				6.50		
R 204	3s V4	R 1312	0- 55	41	8	51	2.70	4.1	8
		R 1313	-105				8.50		
		R 1314	-170				-		
R 205	6a V10	R 1315	0- 55	33	33	34	1.80	5.5	16
		R 1316	-115				5.00		
		R 1317	-160				7.25		
		R 1318	205-300				4.20		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na meq./100g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
R 206	2 V11	R 1319	0- 95	38	5	57	4.50	8.8	15
		R 1320	-160				7.00		
R 207	6a V10	R 1321	0- 55	35	18	47	2.60	11.4	24
		R 1322	-105				6.50		
R 208	4a/6a V12	R 1323	0- 55	37	8	55	2.00	10.3	19
		R 1324	-100				7.25		
		R 1325	-170				4.50		
R 209	4a/6a V12	R 1326	0- 60	37	10	53	1.85	9.2	17
		R 1327	-120				3.80		
		R 1328	-150				2.30		
R 210	6a V12	R 1329	0- 50	37	10	53	1.35	13.0	25
		R 1330	-105				6.00		
R 211	4a/6a V 12	R 1331	0- 60	39	8	53	1.75	9.6	18
		R 1332	-120				7.00		
		R 1333	-180				8.00		
R 212	41 E6	R 1334	0- 65	61	8	31	0.21	-	
		R 1335	-140	73	5	22	0.26	0.5	2
		R 1336	-200	72	5	23	0.30		
R 213	41 E4	R 1337	0- 80	71	5	24	0.20	0.7	3
		R 1338	-140	74	12	14	0.27	0.5	3
		R 1339	-200	83	3	14	0.36		
R 214	6a E6	R 1340	0- 70	55	14	31	0.66	5.3	17
		R 1341	-140				2.80		
		R 1342	-180				2.80		
R 215	2 V4	R 1343	0- 70	45	5	50	1.90	5.3	11
		R 1344	-125				6.00		
		R 1345	-160				6.25		
R 216	6as V9	R 1346	0- 30	39	13	48	6.00	11.4	24
		R 1347	- 85				8.00		
		R 1348	-120				7.00		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/ cm. at 25°C.	Exch. Na meq./100g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
R 217	6a V9	R 1349	0- 85	77	3	20	-	6.9	35
		R 1350	-145				-		
		R 1351	-200				-		
R 218	6as V11	R 1352	0- 55	36	10	54	10.50	10.1	19
		R 1353	- 90				6.50		
		R 1354	-130				3.30		
R 219	6as V11	R 1355	0- 60	30	14	56	5.00	9.6	17
		R 1356	-100				10.20		
R 220	6as V9	R 1357	0- 60	28	23	49	5.50	11.8	24
		R 1358	-100				8.50		
		R 1359	-115				8.00		
R 221	3s V2	R 1360	0- 50	46	13	41	3.20	4.2	10
		R 1361	- 90	44	14	42	8.00		
		R 1362	-145				6.80		
R 222	6as V9	R 1363	0- 50	26	29	45	7.50	16.1	36
		R 1364	- 90				6.50		
R 223	6a V9	R 1365	0- 65	42	11	47	4.40	9.6	20
		R 1366	-105				7.25		
R 224	6a V9	R 1367	0- 60	38	13	49	4.50	12.7	26
		R 1368	- 95				7.50		
		R 1369	-140				6.80		
R 225	6a V11	R 1370	0- 60	34	13	53	5.00	11.7	22
		R 1371	- 85				7.50		
		R 1372	-135				4.40		
R 226	4a/6a V12	R 1373	0- 50	38	11	51	1.18	9.1	18
		R 1374	-100	32	17	51	5.20		
		R 1375	-135	38	13	49	5.00		
		R 1376	-180	79	2	19	2.40		
R 227	6a V12	R 1377	0- 55	36	11	53	1.20	10.7	20
		R 1378	-105				7.50		
		R 1379	-135				7.00		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/ cm. at 25°C.	Exch. Na meq./100g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
R 228	31as V2	R 1380	0- 50	37	19	44	1.00	4.0	9
		R 1381	-105	39	24	37	6.00	8.9	24
		R 1382	-170				6.10		
R 229	31sa V2	R 1383	0- 60	45	11	44	1.95	2.4	5
		R 1384	-120	36	15	49	7.20	14.0	28
		R 1385	-175				6.00		
R 230	4 1 E6	R 1386	0- 50	56	13	31	0.48	0.42	1
		R 1387	-110	59	9	32	0.95	3.7	11
		R 1388	-130				2.42		
R 231	31s V1	R 1389	0- 50	40	16	44	4.80	4.6	10
		R 1390	-105				7.50		
		R 1391	-160				5.00		
R 232	6a V2	R 1292	0- 45	37	21	42	3.10	3.1	7
		R 1393	-100	36	15	49	6.80	13.6	27
		R 1394	-150				6.00		
R 223	6a V2	R 1395	0- 30	58	4	38	1.38	3.0	8
		R 1396	- 85	41	12	47	7.00	14.8	31
		R 1397	-135	38	14	48	7.75	13.4	27
R 234	31s V2	R 1398	0- 70	43	10	47	1.05	6.6	7
		R 1399	-100				8.50		
		R 1400	-135				7.00		
		R 1401	-200				5.70		
R 235	6a E6	R 1402	0- 50	52	14	34	1.85	0.9	3
		R 1403	- 85	49	9	42	6.50	10.4	25
		R 1404	-160	39	12	49	7.00	16.6	33
R 236	3sa V4	R 1405	0- 80	31	10	59	0.42	6.7	11
		R 1406	-120	23	20	57	7.80	14.5	25
		R 1407	-170				6.80		
R 237	31sa V2	R 1408	0- 80	41	15	44	1.95	2.8	6
		R 1409	-115	38	15	47	6.80	12.4	25
		R 1410	-160				6.00		
R 238	6a V2	R 1411	0- 30	41	17	42	0.62	1.8	4
		R 1312	- 75	41	17	42	4.80	19.8	47
		R 1413	-145	39	14	47	6.00	12.2	25

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na meq./100g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
R 239	6a V2	R 1414	0- 50	39	21	40	2.50	2.5	6
		R 1415	-105	37	12	51	7.50	13.3	26
		R 1416	-170				6.20		
R 240	6a V4	R 1417	0- 45	35	11	54	1.05	6.8	13
		R 1418	- 90	31	15	54	7.10	14.9	27
		R 1419	-150				8.50		
R 241	41 E6	R 1420	0- 40	59	13	28	2.20	0.47	2
		R 1421	- 85	49	9	42	0.89	6.0	14
		R 1422	-135	49	10	41	14.00	5.8	14
R 242	6s V1	R 1423	0- 40	42	12	46	6.00	4.7	10
		R 1424	-160				5.75		
R 243	6s V1	R 1425	0- 40	43	9	48	5.25	6.6	14
		R 1426	- 90				5.00		
		R 1427	-170				2.60		
R 244	6sa V9	R 1428	0- 55	52	11	37	10.25	7.5	20
		R 1429	-110				6.75		
		R 1430	-160				3.80		
R 245	3s V4	R 1431	0- 40	38	11	51	2.20	0.9	2
		R 1432	-115	39	14	47	8.00		
		R 1433	-165				5.80		
R 246	31s V2	R 1434	0- 50	52	8	40	3.20	2.7	7
		R 1435	-120	36	15	49	8.00		
		R 1436	-200				7.00		
R 247	31s V2	R 1437	0- 40	40	17	43	2.00	0.3	1
		R 1438	-115	37	12	51	6.50	12.4	25
		R 1439	-165				7.20		
R 248	31 V2	R 1440	0- 60	36	21	43	0.80	6.1	14
		R 1441	-105	33	15	52	4.80	11.3	22
		R 1442	-130				2.30		
R 249	6a E6	R 1443	0- 35	56	9	35	1.75	3.3	9
		R 1444	- 80	56	9	35	7.40	8.8	26
		R 1445	-150	67	4	29	2.75	10.8	40

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/ cm. at 25°C.	Exch. Na meq./100g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
R 250	31sa	R 1446	0- 50	44	12	44	1.95	7.5	17
	6a V2	R 1447	- 80	41	15	44	7.20	10.7	24
		R 1448	-110				4.50	11.9	
R 251	6s V1	R 1449	0- 50	56	6	38	5.75	5.3	14
		R 1450	-155				8.00		
		R 1451					2.40		
R 252	4a/6a	R 1452	0- 35	35	10	55	-	9.0	16
	V12	R 1453	-135				3.80		
		R 1454	-200				1.20		
R 253	6s V1	R 1455	0- 60	48	12	40	6.00	5.2	13
		R 1456	- 95	56	15	29	6.20		
R 254	6s V1	R 1457	0- 45	47	11	42	4.10	4.5	11
		R 1458	-110				8.50		
		R 1459	-160				4.25		
R 255	6s V2	R 1460	0- 30	38	17	45	2.70	2.1	5
		R 1461	-150				8.50		
		R 1462	-245				5.50		
		R 1463	-300				3.70		
R 256	6s V2	R 1464	0- 35	42	20	38	3.10	1.3	3
		R 1465	-105				9.00		
		R 1466	-170				7.50		
R 257	31sa V2	R 1467	0- 60	45	17	38	1.10	4.0	11
		R 1468	-120	38	18	44	7.20	10.7	24
		R 1469	-170				3.40		
R 258	31sa V2	R 1470	0- 60	41	17	42	0.65	4.1	10
		R 1471	-105	41	12	47	6.00	9.2	20
		R 1472	-160				2.70		
R 259	31s V2	R 1473	0- 30	47	17	36	2.20	0.4	1
		R 1474	-125				8.00		
		R 1475	-180				8.00		
R 260	41 E6	R 1476	0- 30	57	16	27	2.05	0.1	-
		R 1477	- 85	48	16	36	5.50	7.8	21
		R 1478	-110				8.00		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C.mmhos/cm. at 25°C.	Exch.Na meq./100g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
R 261	41 E6	R 1479	0- 40	65	10	25	0.60	0.7	3
		R 1480	-150				1.60		
		R 1481	-200				3.00		
R 262	6a V10	R 1482	0- 35	55	8	37	1.20	13.4	36
		R 1483	-200				1.30		
R 263	6sa E5	R 1484	0- 35	52	19	29	6.20	7.5	26
		R 1485	- 95				10.20		
		R 1486	-125				8.00		
R 264	6a V2	R 1487	0- 40	47	12	41	0.72	3.3	8
		R 1488	-105	37	17	46	5.80	13.4	30
		R 1489	-160				4.00		
R 265	6as E6	R 1490	0- 35	49	17	34	3.50	1.7	5
		R 1491	-130	24	10	66	9.00	20.6	33
R 266	6s E6	R 1492	0- 40	54	14	32	3.10	0.6	3
		R 1493	- 85				9.00		
		R 1494	-140				4.80		
R 267	6s E6	R 1495	0- 45	52	14	34	1.05	0.6	2
		R 1496	-110				9.00		
		R 1497	-155				8.00		
R 268	41 E6	R 1498	0- 40	58	8	34	0.95	0.2	1
		R 1499	-155	54	9	31	0.88		
R 269	3als V10	R 1500	0- 60	54	8	38	1.76	5.7	15
		R 1501	-130	47	12	41	6.00		
		R 1502	-185	62	13	25	2.60		
R 270	6a V10	R 1503	0- 45	42	14	44	3.40	10.1	23
		R 1504	- 95				3.90		
		R 1505	-140				1.65		
R 271	6s E6	R 1506	0- 40	55	11	34	3.30	0.9	3
		R 1507	-130				10.50		
		R 1508	-175				5.00		
R 273	6a E5	R 1509	0- 45	60	6	34	3.40	8.3	24
		R 1510	- 85	52	10	38	3.60		
		R 1511	-200	69	8	23	5.50		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na meq./100g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
R 274	6s V3	R 1512	0- 60	38	7	55	5.50	5.7	10
		R 1513	-105				10.00		
		R 1514	-155				7.00		
R 275	41 E6	R 1515	0- 40	50	17	33	0.75	0.2	1
		R 1516	- 75	46	12	42	6.00	6.0	14
		R 1517	-135	36	15	49	9.00	9.5	19
R 276	6as E6	R 1518	0- 45	60	13	27	2.05	0.3	1
		R 1519	-100	43	10	47	8.00	10.5	22
		R 1520	-170				8.50		
R 277	6a E5	R 1521	0- 50	63	8	29	4.25	6.9	24
		R 1522	-105	83	4	13	1.60		
		R 1523	-170	67	8	25	3.60		
R 278	6sa V9	R 1524	0- 40	43	15	42	6.10	8.7	21
		R 1525	- 80				5.50		
		R 1526	-125				2.20		
R 279	6a V2	R 1527	0- 50	43	11	46	0.65	5.4	12
		R 1528	-130	34	15	51	5.75	17.2	34
		R 1529	-165				2.90		
R 280	6s V2	R 1530	0- 40	47	13	40		5.6	14
		R 1531	-115				10.20		
		R 1532	-180				6.80		
R 282	6sa V9	R 1533	0- 40	46	10	44	6.10	12.6	29
		R 1534	- 75				0.95		
R 283	31 V2	R 1535	0- 40	48	12	40	0.56	5.5	14
		R 1536	- 80	41	12	47	2.40	6.2	13
		R 1537	-125	37	9	54	7.00	11.8	22
R 284	6a V10	R 1538	0- 45	54	9	37	1.04	9.5	26
		R 1539	-105	65	10	25	2.90		
		R 1540	-200	80	5	15	1.50		
R 285	6a V10	R 1541	0- 30	46	10	44	0.84	11.5	26
		R 1542	- 80	50	10	40	3.10		
		R 1543	-180	75	10	15	1.60		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C.mmhos/cm. at 25°C.	Exch. Na meq./100g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
R 286	6a V10	R 1544	0- 30	54	8	38	1.10	14.0	37
		R 1545	- 90	59	9	32	3.20		
		R 1546	-175	81	2	17	1.18		
R 287	6a E4	R 1547	0- 45	60	15	25	1.45	1.5	6
		R 1548	- 85	44	12	44	6.00	10.9	24
		R 1549	-145	26	20	54	5.10	19.3	36
R 288	6as E6	R 1550	0- 35	60	6	34	1.80	1.7	5
		R 1551	-130	32	10	58	8.20	20.3	35
		R 1552	-200				2.40		
R 289	6s E5	R 1553	0- 35	67	6	27	3.20	1.4	5
		R 1554	- 75				10.00		
		R 1555	-150				2.90		
R 291	6a V10	R 1556	0- 50	53	7	40	0.80	9.2	23
		R 1557	- 80				2.60		
		R 1558	-120				1.80		
R 292	6a V10	R 1559	0- 35	50	10	40	1.12	12.7	32
		R 1560	-115				8.00		
		R 1561	-165				5.75		
R 293	6sa E5	R 1562	0- 50	58	9	33	6.80	9.6	29
		R 1563	-100				4.50		
		R 1564	-140				5.50		
R 294	6a V2	R 1565	0- 60	42	11	47	4.10	5.8	12
		R 1566	-125	31	13	56	8.00	17.5	31
		R 1567	-200	67	8	25	4.80		
R 295	6a V2	R 1568	0- 45	47	13	40	2.10	4.5	11
		R 1569	- 75	39	13	48	7.20	15.1	31
		R 1570	-135	26	12	62	8.00	19.4	31
R 296	6a V10	R 1571	0- 50	50	11	39	0.82	9.7	25
		R 1572	- 75				1.20		
		R 1573	-135				2.60		
R 297	6a E6	R 1574	0- 50	49	21	30	2.80	4.8	16
		R 1575	-135	30	12	58	6.50	17.0	30
		R 1576	-200				4.60		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C.mmhos/cm.at 25°C.	Exch. Na meq./100g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
R 298	6s E5	R 1577	0- 55	60	11	29	4.20	4.3	15
		R 1578	-120				8.50		
		R 1579	-160				6.20		
R 300	6a V10	R 1580	0- 50	41	16	43	1.12	12.7	30
		R 1581	- 70				4.50		
R 301	41 E4	R 1582	0- 40	48	28	24	1.40	1.5	6
		R 1583	- 85	51	10	9	5.50	7.3	19
		R 1584	-125	39	9	52	8.00	15.8	30
R 302	6sa V9	R 1585	0- 65	45	13	42	7.80	9.1	22
		R 1586	-130				1.85		
		R 1587	-155				6.80		
R 303	6sa V9	R 1588	0- 55	44	16	40	5.50	7.4	18
		R 1589	- 95				8.50		
R 304	31s E5	R 1590	0- 40	50	16	34	4.40	4.1	12
		R 1591	-110				7.20		
R 305	6a V10	R 1592	0- 55	47	11	42	2.40	7.8	19
		R 1593	- 95				6.70		
		R 1594	-140				2.20		
R 306	6a V10	R 1595	0- 50	39	16	45	1.95	7.8	17
		R 1596	-105				7.80		
R 307	6a V10	R 1597	0- 55	39	16	45	1.50	8.8	20
		R 1598	-110				3.70		
		R 1599	-165				5.80		
R 309	6sa E5	R 1600	0- 45	50	16	34	5.90	9.8	29
		R 1601	- 95				5.70		
		R 1602	-135				7.20		
R 310	6sa V10	R 1603	0- 40	42	10	48	2.80	10.2	21
		R 1604	- 95				10.00		
		R 1605	-140				5.20		
R 311	6sa V9	R 1606	0- 50	48	10	42	5.80	8.4	20
		R 1607	-100				9.00		
		R 1608	-140				6. 10		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na meq./100g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
R 312	2 V3	R 1609	0-100	41	8	51	4.20	6.9	14
		R 1610	-155				5.25		
		R 1611	-205				3.10		
		R 1612	-255				3.00		
R 313	6a V2	R 1613	0- 35	47	11	42	0.75	4.1	10
		R 1614	-100	36	12	52	7.00	15.2	30
		R 1615	-145				3.10		
R 314	6a V10	R 1616	0- 40	42	16	42	1.10	8.9	21
		R 1617	-105				7.80		
		R 1618	-200				5.50		
R 315	6s V3	R 1619	0- 50	36	11	53	8.10	6.6	12
		R 1620	-105				-		
		R 1621	-200				3.00		
R 318	4l E4	R 1622	0- 40	66	11	23	0.95	1.4	6
		R 1623	- 95	36	30	34	6.20	5.0	15
		R 1624	-135				7.50		
R 319	6sa V9	R 1625	0- 40	45	8	47	6.80	8.6	18
		R 1626	-65				9.50		
R 320	6sa V9	R 1627	0- 50	44	14	42	6.00	6.5	15
		R 1628	- 63				8.50		
R 321	6a V10	R 1629	0- 40	52	8	40	0.70	8.0	20
		R 1630	- 80				2.70		
		R 1631	-155				1.55		
R 322	6s E6	R 1632	0- 30	52	14	34	2.50	2.4	7
		R 1633	-105				9.00		
		R 1634	-150				3.40		
R 323	6a V2	R 1635	0- 35	52	13	35	2.25	1.4	4
		R 1636	-105	39	9	52	7.50	15.6	30
		R 1637	-155				8.00		
R 324	31 V2	R 1638	0- 35	46	8	46	0.60	3.0	7
		R 1639	-110	39	12	49	4.60	8.5	17
		R 1640	-175				4.20		

Table 1.5

Bore No.	Land & Soil Class	Sample No.	Depth (cm)	Mechanical Analysis			E.C. mmhos/cm. at 25°C.	Exch. Na meq./100g.	E.S.P.
				Sand 2.0 - 0.02 mm.	Silt 0.02 - 0.002 mm.	Clay .002 mm.			
1	2	3	4	5a	5b	5c	6	7	8
R 325	6sa V10	R 1641	0- 30	50	8	42	0.90	9.1	22
		R 1642	- 85				8.00		
R 328	31 V2	R 1643	0- 35	49	15	36	1.15	4.8	13
		R 1644	- 70	41	20	39	4.10	8.5	22
R 329	31sa V2	R 1645	0- 30	52	11	37	0.49	3.3	9
		R 1646	-100	44	14	42	7.80	12.8	30
		R 1647	-145				6.50		
R 330	6sa V9	R 1648	0- 30	41	11	48	4.25	7.6	16
		R 1649	-115				5.40		
R 331	6sa V9	R 1650	0- 35	50	10	40	6.50	10.6	26
		R 1651	- 64				10.20		
R 333	41 E6	R 1655	0- 30	63	8	29	0.55	1.6	5
		R 1656	- 80	59	7	34	1.30	3.1	9
		R 1657	-110	54	12	34	1.90	5.9	17
R 334	6a V10	R 1658	0- 50	41	11	48	1.45	7.8	16
		R 1659	-125				5.10		
		R 1660	-165				2.70		
R 335	2 V4	R 1661	0- 55	35	11	54	1.50	6.8	13
		R 1662	-130	41	7	52	2.80	8.3	16
		R 1663	-185				7.50		
R 336	6s V3	R 1664	0- 45	30	11	59	7.00	0.5	1
		R 1665	-110				3.70		
		R 1666	-205				4.50		
		R 1667	-265				4.25		
R 337	3sa V4	R 1668	0- 65	35	11	54	3.30	5.10	9
		R 1669	-115	33	15	52	8.00	13.8	27
R 338	3a V4	R 1670	0- 50	35	8	57	0.80	6.8	12
		R 1671	- 95	37	12	51	1.75	9.0	18
R 339	31a V2	R 1672	0- 50	41	11	48	2.70	3.4	7
		R 1673	- 85	36	15	49	5.25	9.4	19