

82-1665

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KAOLIN PROSPECTING
VICINITY OF TONGANAH

20/70

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OPEN-FILE

of M	A.O.	C.G.	E.O.	D.S.M.L.
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This report is designed to conform with the requirements of the Department of Mines with regard to Exploration Licence No. 20/70 which authorised prospecting for Kaolin only.

The major component of the report is a compilation of drilling logs and associated laboratory determinations accumulated during the eleven years currency of the licence. In discussions with relevant officers of The Department it was agreed that production drilling in mined-out areas could be excluded. Details of forty-two auger holes put down in the Black Creek (or Hang Dog Hill) area have also been omitted. These bores were not surveyed and no samples were taken. The work indicated the presence of up to 12 metres of unusable material covering the area.

Available information concerning all other bores is listed in sequences of date or locality. Positions are fixed by plan reference, grid co-ordinates or technical descriptions. There is some uncertainty regarding the yield percentages quoted for some of the earlier bores as the cut-off point was not always stated on the laboratory reports and may have been 20 microns or 7 microns instead of the standard 12 microns used for all more recent samples.

When the investigation commenced in 1970 soft white granitic rock, or granite saprolite, was known to occur in two parts of the licence area. These were the "white cutting" near the 53 1/2 mile peg on the Launceston to Herrick Railway and an exposure of "soft bottom" in the long abandoned Stronach Alluvial Tin Mine seven and a half kilometres to the north.

Much of the country between these localities consists of a broad valley floor generated by changing stream courses and alternating cycles of sedimentation and erosion. Periods of still stand are marked by remnants of terraces. The valley is ringed by granite (principally biotite adamellite) hills and similar rock occurs under the mantle of Tertiary sediments covering most of the floor. Kaolin developed from the weathering of felspar and mica is prolific in both drift materials and parent rock. The commercial deposits are those in which granite, weathered in situ, has been protected from erosion by overlying sediments. The present topography provides some indication as to where these deposits may occur. Propsecting has been sufficiently intensive to confirm or eliminate the more obvious areas, but it is to be expected that other occurrences, probably of minor extent, have remained undetected.

Private property has generally been excluded from the investigation and no comment is offered as to the probability of worth - while occurrences on this quite appreciable proportion of the licence area.

The first phase of exploration consisted in cover probing probable areas using a drag shovel with a depth capacity of six to seven metres, More than three hundred pits were dug - and immediately re-filled. The work served to indicate sites suitable for drilling but no account has been taken of it in volume or grade determinations. The pits were not surveyed except as an incidental during surveys of bores.

Drilling commenced using a "Proline" auger rig hired from the Dept. of Mines. Two churn drills were subsequently employed and there has been intermittent use of auger rigs. In volume and grade calculations

reliance has been placed only on samples from cased holes put down by the churn drills.

The following brief summary indicates the results obtained in the various areas. More detailed information can be gained by a study of the bore logs and relevant plans.

TONGANAH

Drilling in this area established the existence of commercial grade saprolite in significant volume. The deposit is separated from the "white cutting" by a narrow buried ridge of hard granite. Drill sites are shown on plan No F353A. Workable saprolite was proved extending as an attenuated deposit with a south-west to north-east length of 1400 metres. An erosional break with an intrusion of hard rock occurs some 300 metres from the south-western end.

Volume calculations based on the original drilling indicated a total of about 2,000,000 tonnes of usable saprolite. Two clay pits designed after in-fill production drilling have already been worked in the deposit. These operations confirmed the original estimates but demonstrated that, for a variety of reasons, economic extraction of the total volume is not practicable. Inhibiting factors include the difficulty of safely supporting pit faces under wet conditions, contamination of commercial grade material occurring in close proximity to stained or excessively low-yield material and maintenance of drainage grades. Intrusions of secondary clay of acceptable brightness and yield also present a problem as this material is not amenable to present treatment plant procedures.

WHITE CUTTING

This deposit was hand drilled about thirty years ago and was estimated to contain about 50,000 tonnes of usable material. Subsequent drilling did not support the earlier quality determinations and it now appears that the best of the saprolite is in the immediate vicinity of the railway and therefor inaccessible. Recent excavations for the log-loading siding showed considerable contamination in the upper part of the formation.

NORTH TONGANAH

With a south-west to north-east extent of nearly 3,000 metres this formation contains more usable saprolite than any other known occurrence in north-eastern Tasmania. It is shown in detail on plan No. M-A105 and on larger scale drawings relating to Pit No. 3 and to the section passing into private property owned by Mr. D. Alexander.

Early calculations indicated a total of about 7 million tonnes of accessible commercial grade material under one and three-quarter million cubic metres of overburden. There have been several revised evaluations involving reductions due to elimination of secondary clay and trimming of the bottom contour, but these negative adjustments have been more than offset by data from additional drilling which has tended to increase the prospective reserve. Closer estimates will become available only when in-fill production drilling is carried out in sections about to be developed.

Present knowledge suggests that the gross volume is probably greater than the original estimate but that factors inhibiting total extraction will in this area - as at Tonganah - result in a much lesser actual yield.

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WEST FORESTER

Little work has been done here. Nine auger holes met with poor results but did not cover the whole potential area. Access across the Great Forester River from the north Tonganah workings would not be difficult but the general prospect was not sufficiently attractive to merit churn drilling.

NORTH FORESTER

This deposit contains some useful saprolite but topographic conditions limit the known high quality zone and churn drilling of adjoining stratigraphically related areas met with negative results.

STRONACH

This is a large and complex area on which considerable effort has been expended without achieving any successful result. Good quality saprolite is exposed in abandoned alluvial tin workings, and in a number of places samples of usable saprolite and also of white secondary clay can be obtained.

Thirty-one churn and six auger holes were put down. These were sited both by using topographic indications and by short removals from exposures, but no continuity of formation was established.

Small quantities of good material could be obtained at a price but in view of the remoteness from the treatment plant and difficult access the area is not of interest at present.

MARYVALE

Reasonable quality saprolite was encountered in two auger holes but follow-up churn drilling did not improve the prospect or establish any extension of the area. Proximity to the Tasman Highway would restrict development.

CUCKOO ROAD

Pockets of kaolin in a cutting on the Tasman Highway indicated a possible saprolite area in adjoining Crown leasehold and private property. The area was tested by drilling but nothing of useful extent or quality was located.

LOGS OF EXPLORATION BORES

LICENCE AREA 20/70

Drilling was directed towards locating quantities of white clay suitable for use in the paper manufacturing industry.

Determination of colour and particle size was regarded as being of prime importance and these are represented in the logs as "Br", or brightness, and "Y", or percentage yield of specified particle size.

It was also necessary to identify the origin of the material as a guide to continuity in mining and uniformity in refining processes. The abbreviation "Sap." is used for "granite saprolite" or in situ granitic rock of which the feldspars and micas have been wholly or partially altered to kaolin. The term "drift" applies to transported material of similar origin but may also include clay, sand, gravel and coarse wash from extraneous sources.

Location	B.H. No.	Drill	Page
Tonganah	1-96	5" churn	1-37
N Tonganah	NT1-67	4" auger	38-55
	NT201-336	5" auger	55-100
W Forester	66-74	4" auger	100-102
N Forester	49-60	4" auger	103-106
	1/79-8/79	5" churn	106-108
N Tonganah	NT600-656	5" churn	109-128
Stronach	S200-S221	5" churn	129-134
	1-5	5" churn	134-135
	18/80-24/80	4" auger	136-137
	1/81-4/81	5" churn	138-139
Maryvale	43-47	4" auger	140-141
	1-4	5" churn	141-142
Cuckoo Road	1-5	5" churn	143-144
N Tonganah	280A-280D	5" churn	145-146
additional bores:	NT701-NT710	4" auger	147-151
	NT628B, 628D, 333B	4" auger)	151-152
	631D, 636B, 636D)	
	1/80-7/80	4" auger	153-155
E side of	25/80-30/80	4" auger	
Tonganah access rd	14/80-17/80	4" auger	157-158
NE corner 20/70			

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TONGANAH RAILWAY AREABore No. 1

Position: See Plan No. F353A

Date: 9-6-70

Drill: 5" Churn

0 m. - 1.5 m. Brown clay and gravel
 1.5 m. - 7.9 m. Fe stained granite saprolite
 7.9 m. - 12.2 m. Fe stained granite saprolite (some white)
 12.2 m. - 14.0 m. Fe stained granite saprolite

Excessive water - bore abandoned

Bore No. 2

Position: See Plan No. F353A

Date: 11-6-70

Drill: 5" Churn

0 m. - 1.2 m.	Brown clay and gravel		
1.2 m. - 1.8 m.	Cream and brown Sap.	Br. 63.8	Y. 40%
1.8 m. - 2.4 m.	Cream Sap.	76.0	35
2.4 m. - 3.0 m.	Cream Sap.	78.3	32
3.0 m. - 3.7 m.	White Sap.	78.3	36
3.7 m. - 4.3 m.	White Sap.	80.5	29
4.3 m. - 4.9 m.	White Sap.	80.8	30
4.9 m. - 5.5 m.	White Sap.	80.0	24
5.5 m. - 6.1 m.	White Sap.	78.3	24
6.1 m. - 6.7 m.	White Sap., Wet and Fe Stained	74.9	24
6.7 m. - 7.3 m.	White Sap., Wet and Fe Stained	78.8	26
7.3 m. - 7.9 m.	White Sap., Wet and Fe Stained	73.1	17
7.9 m. - 8.5 m.	White Sap.	79.6	26
8.5 m. - 9.1 m.	White Sap.	78.0	27
9.1 m. - 9.8 m.	White Sap.	79.8	28
9.8 m. - 10.4 m.	White Sap.	80.0	24
10.4 m. - 11.0 m.	White Sap.	78.8	28

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Bore No. 2 contd.

Depth (m)	Description	Br.	Y. 27%
11.0 m. - 11.6 m.	White Sap.	-	27%
11.6 m. - 12.2 m.	White Sap.	78.7	25
12.2 m. - 12.8 m.	White Sap. Some Yellow	-	23
12.8 m. - 13.4 m.	White Sap. Some Yellow	79.1	24
13.4 m. - 14.0 m.	White Sap. Some Yellow	78.6	23
14.0 m. - 14.6 m.	White Sap. Some Yellow	77.2	23
14.6 m. - 15.2 m.	White Sap. Some Yellow	76.8	23
15.2 m. - 15.9 m.	White Sap. Some Yellow	74.7	22
15.9 m. - 16.5 m.	White Sap. Brown Spots	73.0	24
16.5 m. - 17.1 m.	White Sap. Brown Spots	72.0	25
17.1 m. - 17.7 m.	White Sap. Brown Spots	74.0	24
17.7 m. - 18.3 m.	White Sap. Brown Spots	75.2	21
18.3 m. - 18.9 m.	White Sap. Brown Spots, wet	75.2	20
18.9 m. - 19.5 m.	White Sap. Brown Spots, wet	72.0	-
19.5 m. - 20.1 m.	Green to brown Sap.	70.0	-
20.1 m. - 20.7 m.	Green to brown Sap.	67.6	-
20.7 m. - 21.3 m.	Green to brown Sap.	63.8	-
21.3 m. - 21.9 m.	Green to brown Sap.	59.7	-
21.9 m. - 24.4 m.	Green - brown Sap. only partially kaolinized.		

Bore No. 3

Position: See Plan No. F353A
 Date: 17-6-70
 Drill: 5" Churn

0 m. - 2.4 m.	Soil, clay and drift	
2.4 m. - 3.0 m.	White and brown Sap.	
3.0 m. - 3.7 m.	Cream Sap.	Br. 72.0
3.7 m. - 4.3 m.	Cream Sap.	76.0
4.3 m. - 4.9 m.	White Sap., Some Fe Spots	80.0
4.9 m. - 5.5 m.	Cream and White Sap.	81.1
5.5 m. - 6.1 m.	Cream and White Sap.	83.9
6.1 m. - 6.7 m.	Cream and White Sap.	85.4
6.7 m. - 7.3 m.	Cream and White Sap., Wet	84.0
7.3 m. - 7.9 m.	Cream and White Sap.	82.9
7.9 m. - 8.5 m.	Cream and White Sap.	83.3
8.5 m. - 9.1 m.	Cream and White Sap., Wet	83.6
9.1 m. - 9.8 m.	Cream and White Sap.	83.2

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Bore No. 3 contd.

9.8 m. - 10.4 m.	White Sap.	Br. 83.2
10.4 m. - 11.0 m.	White Sap.	81.0
11.0 m. - 11.6 m.	White Sap., wet	81.9
11.6 m. - 12.2 m.	White Sap., wet	81.7
12.2 m. - 12.8 m.	White Sap.	73.2
12.8 m. - 13.4 m.	White Sap.	81.1
13.4 m. - 14.0 m.	White Sap.	81.5
14.0 m. - 14.6 m.	White Sap.	80.9
14.6 m. - 15.2 m.	White Sap.	81.3
15.2 m. - 15.9 m.	White Sap.	80.0
15.9 m. - 16.5 m.	White Sap.	79.3
16.5 m. - 17.1 m.	Off-white Sap.	79.0
17.1 m. - 17.7 m.	Off-white Sap., wet	79.0
17.7 m. - 18.3 m.	Off-white Sap., wet	78.9
18.3 m. - 18.9 m.	Off-white Sap., wet	80.9
18.9 m. - 19.8 m.	Off-white Sap., wet	79.3
19.8 m. - 21.3 m.	Off-white Sap.	76.5
21.3 m. - 22.9 m.	Off-white Sap.	77.3
22.9 m. - 24.4 m.	Off-white Sap.	75.2
24.4 m. - 25.9 m.	White to Yellow Sap. with some hard feldspars	71.8
25.9 m. - 27.4 m.	Hard feldspars increasing	73.0
27.4 m. - 29.0 m.	Hard feldspars increasing, wet	71.1
29.0 m. - 30.5 m.	Hard feldspars increasing, wet	70.0

Bore No. 4

Position: See Plan No. F353A
 Date: 19-6-70
 Drill" 5" Churn

0 m. - 0.9 m.	Soil and gravel	
0.9 m. - 3.0 m.	Clay and drift	
3.0 m. - 5.8 m.	Drift and white stained Sap.	
5.8 m. - 6.7 m.	White stained Sap.	Br. 79.0
6.7 m. - 7.3 m.	White stained Sap.	81.7
7.3 m. - 8.2 m.	White stained Sap., high yield	84.7
8.2 m. - 8.8 m.	White Sap., high yield	85.0
8.8 m. - 9.8 m.	White Sap., high yield	85.3
9.8 m. - 10.7 m.	White Sap., high yield	83.5

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Bore No. 4 contd.

10.7 m. - 12.2 m.	White ? drift with water-worn pebbles	Br. 78.8
12.2 m. - 13.7 m.	Mixed drift and Sap.	78.8
13.7 m. - 15.2 m.	Mixed drift and Sap. with some sandstone pebbles	73.7
15.2 m. - 16.8 m.	White Sap.	80.5
16.8 m. - 18.3 m.	White Sap.	80.1
18.3 m. - 19.8 m.	White Sap., some stains	
19.8 m. - 21.3 m.	Cream Sap.	78.1
21.3 m. - 22.9 m.	Cream Sap.	81.2
22.9 m. - 24.4 m.	White Sap.	79.6
24.4 m. - 25.9 m.	Cream Sap., wet	76.5
25.9 m. - 27.4 m.	White to Yellow Sap.	80.8
27.4 m. - 29.0 m.	White to Yellow Sap.	78.0
29.0 m. - 30.5 m.	White to Yellow Sap., wet	79.0

Bore No. 5

Position: See Plan No. F353A
 Date: 26-6-70
 Drill: 5" Churn - Water at 15 m.

0 m. - 0.6 m.	Gravel
0.6 m. - 6.1 m.	Red clay
6.1 m. - 11.6 m.	Red and white clay
11.6 m. - 29.0 m.	White granitic drift, bands of white clay, water-worn pebbles in parts
29.0 m. - 30.5 m.	Similar but with large white kaolinized felspars

Bore No. 6

Position: See Plan No. F353A
 Date: 28-6-70
 Drill: 5" Churn - Dry Hole

0 m. - 0.6 m.	Soil
0.6 m. - 1.5 m.	Red-brown clay
1.5 m. - 5.5 m.	Light brown drift with bands of clay
5.5 m. - 11.6 m.	White kaolinized drift, bands of white clay

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Bore No. 7

Position: See Plan No. F353A
Date: 29-6-70
Drill: 5" Churn - Water at 10 m.

- 0 m. - 13.7 m. Red clay with grey and white bands
- 13.7 m. - 19.8 m. White drift, some red, clay bands and water-worn pebbles
- 19.8 m. - 25.3 m. Light red clay, water-worn stones
- 25.3 m. - 28.3 m. Light red-brown clay
- 28.3 m. - 30.5 m. White and Fe stained drift

Bore No. 8

Position: See Plan No. F353A
Date: 30-6-70
Drill: 5" Churn - Water at 14 m.

- 0 m. - 3.7 m. Dark red clay
- 3.7 m. - 7.6 m. Red clay, some white bands
- 7.6 m. - 13.7 m. White kaolinized drift
- 13.7 m. - 15.2 m. Light brown kaolinized drift

Bore No. 9

Position: See Plan No. F353A
Date: 1-7-70
Drill: 5" Churn - Water at 17 m.

- 0 m. - 2.4 m. Brown clay
- 2.4 m. - 13.7 m. White drift, some brown
- 13.7 m. - 14.0 m. Hard band
- 14.0 m. - 15.2 m. White drift and clay
- 15.2 m. - 17.1 m. Brown drift and clay

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Bore No. 10

Position: See Plan No. F353A
Date: 5-7-70
Drill: 5" Churn - Water at 9 m.

- 0 m. - 1.5 m. Gravel
- 1.5 m. - 6.1 m. Hard clay and hard pan
- 6.1 m. - 8.2 m. Brown clay
- 8.2 m. - 11.9 m. White drift
- 11.9 m. - 12.5 m. Wood
- 12.5 m. - 13.7 m. Grey-black lignite
- 13.7 m. - 17.4 m. Yellow clay

Bore No. 11

Position: See Plan No. F353A
Date: 7-7-70
Drill: 5" Churn - Water at 7 m.

- 0 m. - 0.6 m. Gravel
- 0.6 m. - 1.8 m. Hard pan
- 1.8 m. - 3.7 m. Brown clay
- 3.7 m. - 9.1 m. White drift, red streaks
- 9.1 m. - 17.7 m. Red and white drift, very wet

Bore No. 12

Position: See Plan No. F353A
Date: 8-7-70
Drill: 5" Churn - Water at 11 m.

- 0 m. - 0.6 m. Gravel
- 0.6 m. - 6.1 m. Red clay
- 6.1 m. - 8.5 m. Red drift, white bands
- 8.5 m. - 10.7 m. Light red clay
- 10.7 m. - 15.5 m. Red drift, white bands

Bore No. 13

Position: Not known
 Date: 9-7-70
 Drill: 5" Churn - Water at 9 m.

0 m. - 0.3 m. Gravel
 0.3 m. - 3.7 m. Red clay
 3.7 m. - 7.3 m. White clay, red tint
 7.3 m. - 12.8 m. Red clay
 12.8 m. - 13.7 m. Pebbly wash
 13.7 m. - 18.3 m. Red clay
 18.3 m. - 19.8 m. Dark red clay, very wet

Bore No. 14

Position: Not known
 Date: 13-7-70
 Drill: 5" Churn - Water at 4 m.

0 m. - 0.6 m. Gravel
 0.6 m. - 1.5 m. Tight red clay
 1.5 m. - 3.4 m. Red and white clay
 3.4 m. - 4.6 m. White clay
 4.6 m. - 12.2 m. Red clay
 12.2 m. - 20.1 m. Red drift, some pebbles
 20.1 m. - 23.5 m. Grey clay, quartz pebbles

Bore No. 15

Position: See Plan No. F353A
 Date: 13-7-70
 Drill: 5" Churn - Water at 4 m.

0 m. - 0.6 m. Gravel
 0.6 m. - 3.7 m. Red clay
 3.7 m. - 6.1 m. Red drift, white bands
 6.1 m. - 9.1 m. White clay
 9.1 m. - 11.3 m. Red clay
 11.3 m. - 16.8 m. Brown drift
 16.8 m. - 18.3 m. Red clay, white bands

Br. 77.5 Y. 36%

Bore No. 16

Position: See Plan No. F353A
 Date: 15-7-70
 Drill: 5" Churn - Water at 5 m.

0 m. - 0.6 m.	Gravel		
0.6 m. - 4.6 m.	Red clay, white bands		
4.6 m. - 6.1 m.	White clay	Br. 79.5	Y. 19%
6.1 m. - 7.0 m.	White clay, red tinge	72.0	17
7.0 m. - 10.1 m.	White clay	80.7	31
10.1 m. - 12.2 m.	Red drift		
12.2 m. - 13.1 m.	Red drift with pebbles		

Bore No. 17

Position: See Plan No. F353A
 Date: 16-7-70
 Drill: 5" Churn - Water at 1 m.

0 m. - 3.0 m.	Brown clay		
3.0 m. - 4.6 m.	Grey clay		
4.6 m. - 6.1 m.	White clay	Br. 80.5	Y. 26%
6.1 m. - 7.6 m.	White clay	81.0	21
7.6 m. - 9.1 m.	Off-white clay, pebbles	72.0	41
9.1 m. - 10.7 m.	Off-white clay	74.5	34
10.7 m. - 12.2 m.	Off-white clay	74.0	31
12.2 m. - 13.7 m.	Off-white clay	72.0	35
13.7 m. - 14.9 m.	Off-white clay	68.5	29

Bore No. 18

Position: See Plan No. F353A
 Date: 17-7-70
 Drill: 5" Churn - Water at 5 m.

0 m. - 2.1 m.	Brown and white clay		
2.1 m. - 3.0 m.	White clay, brown stains	Br. 75.0	Y. 30%
3.0 m. - 4.6 m.	White clay,	79.5	32
4.6 m. - 6.1 m.	Cream clay, wet	75.0	29
6.1 m. - 7.6 m.	Cream clay	74.0	27
7.6 m. - 9.1 m.	Cream clay	75.0	29
9.1 m. - 10.7 m.	Cream clay	74.0	27

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Bore No. 18 contd.

10.7 m. - 12.2 m.	Cream clay, some brown	Br. 69.0	Y. 32%
12.2 m. - 14.6 m.	Cream clay, some brown	70.5	26

Bore No. 19

Position: See Plan No. F353A
 Date: 20-7-70
 Drill: 5" Churn

0 m. - 0.3 m.	Gravel		
0.3 m. - 2.7 m.	Brown clay, some white		
2.7 m. - 4.6 m.	White clay	Br. 84.8	Y. 35%
4.6 m. - 6.1 m.	White clay	79.7	34
6.1 m. - 7.6 m.	White clay	82.3	32
7.6 m. - 8.5 m.	White to green clay		
8.5 m. - 10.1 m.	White to green and brown clay		
10.1 m. - 13.1 m.	Dark brown granite saprolite		

Bore No. 20

Position: See Plan No. F353A
 Date: 21-7-70
 Drill: 5" Churn - Water at 10 m.

0 m. - 3.0 m.	Brown and white clay		
3.0 m. - 4.6 m.	White clay, wet	Br. 79.8	Y. 33%
4.6 m. - 6.1 m.	White clay, some brown, wet	78.1	38
6.1 m. - 16.7 m.	Dark brown clay		

Bore No. 21

Position: See Plan No. F353A
 Date: 22-7-70
 Drill: 5" Churn

0 m. - 0.3 m.	Gravel
0.3 m. - 3.0 m.	Brown clay and pebbles
3.0 m. - 10.1 m.	Brown kaolinized granite

Bore No. 22

Position: See Plan No. F353A
 Date: 23-7-70
 Drill: 5" Churn

0 m. - 0.3 m. Gravel
 0.3 m. - 6.1 m. Brown clay
 6.1 m. - 11.3 m. Light coloured clay, some mica
 11.3 m. - 16.8 m. Brown clay

Bore No. 23

Position: See Plan No. F353A
 Date: 27-7-70
 Drill: 5" Churn - Water at 5 m.

0 m. - 0.3 m.	Gravel		
0.3 m. - 6.1 m.	Brown clay, some light patches		
6.1 m. - 7.6 m.	White Sap., some Fe	Br. 79.6	
7.6 m. - 9.1 m.	White Sap., wet	78.0	
9.1 m. - 10.7 m.	White Sap.	79.5	
10.7 m. - 12.2 m.	White Sap.	81.8	
12.2 m. - 13.7 m.	White Sap., some Fe	81.3	
13.7 m. - 15.2 m.	White Sap., wet	81.3	
15.2 m. - 16.8 m.	White Sap., wet	82.5	
16.8 m. - 18.3 m.	White Sap., wet	81.0	
18.3 m. - 19.8 m.	White Sap., some Fe	81.0	Y. 26%
19.8 m. - 21.3 m.	White Sap., some Fe	82.0	28
21.3 m. - 22.9 m.	White Sap., some Fe	82.5	29
22.9 m. - 24.4 m.	White Sap., some Fe	82.0	24
24.4 m. - 25.9 m.	White Sap., wet	82.0	19
25.9 m. - 27.4 m.	White Sap., wet	84.0	22
27.4 m. - 29.0 m.	Wet, brown tinge, hard felspars	72.0	21

Bore No. 24

Position: See Plan No. F353A
 Date: 29-7-70
 Drill: 5" Churn - Water at 5 m.

0 m. - 0.3 m.	Gravel		
0.3 m. - 3.0 m.	Light brown clay		
3.0 m. - 4.6 m.	Grey to white drift	Br. 79.0	Y. 28%

015

Bore No. 24 contd.

4.6 m. - 6.1 m.	White drift	Br. 82.5	Y. 23%
6.1 m. - 7.6 m.	Brown and white drift	81.8	28
7.6 m. - 13.7 m.	Brown to white clay and drift		
13.7 m. - 15.2 m.	Sap. - some staining	78.0	25
15.2 m. - 16.8 m.	White Sap.	81.0	27
16.8 m. - 18.3 m.	White Sap.	82.0	25
18.3 m. - 19.8 m.	White Sap., some brown	74.5	25
19.8 m. - 21.3 m.	White Sap.	78.5	16
21.3 m. - 22.9 m.	White Sap.	78.0	13
22.9 m. - 24.4 m.	White Sap., some brown	72.0	26
24.4 m. - 25.9 m.	White Sap., some brown	75.0	25
25.9 m. - 27.4 m.	White Sap., hard feldspars	78.5	26
27.4 m. - 29.0 m.	White Sap., hard feldspars	78.5	16
29.0 m. - 30.5 m.	White Sap., hard feldspars, very wet	78.0	13

Bore No. 25

Position: See Plan No. F353A

Date: 30-7-70

Drill: 5" Churn - Water at 5 m.

0 m. - 0.3 m.	Gravel		
0.3 m. - 2.1 m.	Brown clay		
2.1 m. - 3.0 m.	Stained Sap.		
3.0 m. - 4.6 m.	Cream and white Sap.	Br. 79.5	Y. 34%
4.6 m. - 6.1 m.	White Sap., some stain	81.0	19
6.1 m. - 7.6 m.	White Sap., some stain	80.2	22
7.6 m. - 9.1 m.	White Sap., some stain, wet	76.0	18
9.1 m. - 10.7 m.	White Sap., some stain, very wet	77.3	16
10.7 m. - 15.2 m.	White Sap., some stain, very wet		
15.2 m. - 16.8 m.	Pale brown Sap., very wet	76.0	15
16.8 m. - 18.3 m.	White and brown Sap.		
18.3 m. - 21.3 m.	White and brown Sap.		
21.3 m. - 23.8 m.	White to green Sap.		

016

Bore No. 26

Position: See Plan No. F353A
 Date: 4-8-70
 Drill: 5" Churn - Water at 4 m.

0 m. - 0.3 m.	Gravel		
0.3 m. - 5.5 m.	Brown clay, white bands		
5.5 m. - 7.6 m.	White drift, bands of clay	Br. 80.5	Y. 17%
7.6 m. - 9.1 m.	Off-white drift	71.5	16
9.1 m. - 10.7 m.	Brown drift		
10.7 m. - 12.2 m.	White Sap., some Fe stain	79.5	22
12.2 m. - 13.7 m.	White Sap.	83.5	22
13.7 m. - 15.3 m.	White Sap.	81.0	34
15.3 m. - 16.8 m.	White Sap.	80.5	21
16.8 m. - 18.3 m.	White Sap. wet	80.0	26
18.3 m. - 19.8 m.	Pale brown Sap., wet	69.0	20
19.8 m. - 21.3 m.	Pale brown Sap., wet	66.0	20
21.3 m. - 22.9 m.	Pale brown Sap., wet	68.0	20
22.9 m. - 24.4 m.	Cream Sap., stained	73.5	21
24.4 m. - 25.9 m.	Cream Sap., wet	71.0	12
25.9 m. - 27.4 m.	Cream to green Sap.	64.0	18

Bore No. 27

Position: See Plan No. F353A
 Date: 6-8-70
 Drill: 5" Churn - Water at 3 m.

0 m. - 0.3 m.	Gravel		
0.3 m. - 3.0 m.	Brown clay		
3.0 m. - 4.6 m.	Grey puggy clay		
4.6 m. - 6.1 m.	White and brown drift		
6.1 m. - 7.6 m.	Greyish Sap.	Br. 83.5	Y. 27%
7.6 m. - 9.1 m.	White Sap.	83.5	24
9.1 m. - 10.7 m.	White Sap., some Fe stains	81.5	22
10.7 m. - 12.2 m.	White Sap., some Fe stains	82.0	21
12.2 m. - 13.7 m.	White Sap., some Fe stains	80.0	22
13.7 m. - 15.2 m.	White Sap., some Fe stains	81.0	19
15.2 m. - 16.8 m.	Pale yellow Sap.	77.5	20

017

Bore No. 27 contd.

16.8 m. - 19.8 m. Cream Sap., ? low yield
 19.8 m. - 22.9 m. Cream Sap., ? low yield, wet
 22.9 m. - 24.4 m. Cream Sap., faint green, Fe stains
 24.4 m. - 25.9 m. Cream Sap., faint green, Fe stains
 25.9 m. - 27.4 m. Cream and green Sap., wet

Bore No. 28

Position: See Plan No. F353A

Date: 7-8-70

Drill: 5" Churn

0 m. - 0.3 m.	Gravel		
0.3 m. - 2.1 m.	Brown and white clay		
2.1 m. - 3.0 m.	White Sap., stained	Br. 77.1	Y. 28%
3.0 m. - 4.6 m.	White Sap., stained	74.4	23
4.6 m. - 6.1 m.	White Sap., stained	79.0	20
6.1 m. - 7.6 m.	White Sap., Fe flecks	71.9	21
7.6 m. - 9.1 m.	Mixed white and stained Sap.	76.9	19
9.1 m. - 10.7 m.	Yellow Sap.	73.1	16
10.7 m. - 12.2 m.	Yellow Sap.	73.8	15
12.2 m. - 13.7 m.	White Sap., low yield	78.8	13
13.7 m. - 15.2 m.	White Sap., low yield, wet	78.8	15
15.2 m. - 16.8 m.	White Sap.	77.1	17
16.8 m. - 18.3 m.	White Sap.	76.5	15
18.3 m. - 19.8 m.	White Sap.	81.7	18
19.8 m. - 21.3 m.	White Sap.	79.8	15
21.3 m. - 22.9 m.	White Sap.	78.3	17
22.9 m. - 24.4 m.	White Sap.	67.6	15

Bore No. 29

Position: See Plan No. F353A

Date: 11-8-70

Drill: 5" Churn - Water at 3 m.

0 m. - 0.3 m.	Gravel		
0.3 m. - 2.1 m.	Grey drift with pebbles		
2.1 m. - 3.0 m.	White Sap., stained	Br. 79.2	Y. 26%
3.0 m. - 4.6 m.	White Sap., stained	81.1	24
4.6 m. - 6.1 m.	White Sap. with fine mica	81.0	22

018

Bore No. 29 contd.

6.1 m. - 7.6 m.	Cream and White Sap.	Br. 81.3	Y. 24%
7.6 m. - 9.1 m.	Cream and White Sap.	80.6	26
9.1 m. - 10.7 m.	Greyish Sap.	78.1	25
10.7 m. - 12.2 m.	Off-white Sap.	76.9	22
12.2 m. - 13.7 m.	Off-white Sap., fine mica	77.1	21
13.7 m. - 15.2 m.	Off-white Sap.	79.7	20
15.2 m. - 16.8 m.	Off-white Sap., some green	70.8	20

Bore No. 30

Abandoned

Bore No. 31

Position: See Plan No. F353A
 Date: 13-8-70
 Drill: 5" Churn - Water at 5 m.

0 m. - 1.2 m.	Gravel		
1.2 m. - 7.6 m.	Brown clay with pebbles		
7.6 m. - 9.1 m.	Yellow and white clay	Br. 74.5	Y. 16%
9.1 m. - 10.4 m.	White clay	80.0	29
10.4 m. - 15.2 m.	Brown clay and drift with pebbles		
15.2 m. - 16.8 m.	Brown clay, some white	70.0	21
16.8 m. - 18.3 m.	Fe stained Sap.	70.0	20
18.3 m. - 19.8 m.	Fe stained Sap.	70.0	15
19.8 m. - 21.3 m.	Fe stained Sap.	71.0	17

Bore No. 32

Position: See Plan No. F353A
 Date: 14-8-70
 Drill: 5" Churn - Water at 10 m.

0 m. - 0.3 m.	Gravel		
0.3 m. - 3.7 m.	Red clay		
3.7 m. - 4.6 m.	Cream drift	Br. 80.5	Y. 20%
4.6 m. - 6.1 m.	Fine white drift	80.5	23
6.1 m. - 7.6 m.	Fine white drift	79.9	30
7.6 m. - 11.6 m.	Brown and white drift		

019

Bore No. 32 contd.

11.6 m. - 13.7 m. Brown clay and lignite
 13.7 m. - 15.2 m. Brown drift
 15.2 m. - 19.2 m. Brown Sap.

Bore No. 33

Position: See Plan No. F353A
 Date: 15-8-70
 Drill: 5" Churn - Water at 8 m.

0 m. - 0.3 m.	Gravel		
0.3 m. - 3.7 m.	Red clay		
3.7 m. - 4.6 m.	White and stained drift	Br. 78.8	Y. 13%
4.6 m. - 6.1 m.	White and stained drift	79.5	14
6.1 m. - 10.7 m.	White drift with Fe stains		
10.7 m. - 12.2 m.	White drift with clay patches	78.0	24
12.2 m. - 13.7 m.	Grey drift with pebbles	69.0	13
13.7 m. - 15.2 m.	Yellow drift with pebbles	65.9	14
15.2 m. - 16.8 m.	Cream and white Sap.	72.0	22
16.8 m. - 18.3 m.	Cream and white Sap.	75.5	17
18.3 m. - 19.8 m.	Cream and white Sap., some green	75.5	19
19.8 m. - 22.9 m.	Green Sap.		

Bore No. 34

Position: See Plan No. F353A
 Date: 19-8-70
 Drill: 5" Churn - Water at 3 m.

0 m. - 0.9 m.	Gravel		
0.9 m. - 4.6 m.	Brown and white drift		
4.6 m. - 6.1 m.	Off-white drift	Br. 75.5	Y. 17%
6.1 m. - 7.6 m.	Off-white drift	73.0	20
7.6 m. - 9.1 m.	Off-white drift	74.8	18
9.1 m. - 13.7 m.	Off-white drift, Fe stained		
13.7 m. - 15.2 m.	Cream Sap.	72.3	20
15.2 m. - 16.8 m.	Cream and white Sap.	70.9	20
16.8 m. - 18.3 m.	Cream and white Sap.	73.4	19
18.3 m. - 19.8 m.	Cream and white Sap.	70.2	21
19.8 m. - 21.3 m.	Cream and white Sap.	71.0	18
21.3 m. - 23.5 m.	Cream and white Sap., Fe stained		

020

Bore No. 35

Position: See Plan No. F353A

Date: 21-8-70

Drill: 5" Churn

0 m. - 1.0 m.	Gravel		
1.0 m. - 1.5 m.	Hard pan		
1.5 m. - 13.1 m.	Brown and white drift		
13.1 m. - 13.7 m.	Stained Sap.		
13.7 m. - 15.2 m.	White and cream Sap.	Br. 80.6	Y. 22%
15.2 m. - 16.8 m.	White and cream Sap.	79.8	21
16.8 m. - 18.3 m.	Yellow Sap.	68.1	19
18.3 m. - 21.3 m.	Yellow colour more intense		

Bore No. 36

Position: See Plan No. F353A

Date: 24-8-70

Drill: 5" Churn - Water at 12 m.

0 m. - 1.0 m.	Gravel		
1.0 m. - 6.1 m.	Light brown clay		
6.1 m. - 7.6 m.	Off-white Sap.	Br. 84.1	Y. 32%
7.6 m. - 9.1 m.	White Sap.	84.2	37
9.1 m. - 10.7 m.	White Sap.	84.3	33
10.7 m. - 12.2 m.	White Sap.	83.0	24
12.2 m. - 13.7 m.	White Sap.	85.1	25
13.7 m. - 15.2 m.	White Sap.	84.6	31
15.2 m. - 16.8 m.	White Sap.	80.5	23
16.8 m. - 18.3 m.	White Sap.	81.6	22
18.3 m. - 20.7 m.	Yellow Sap., some heavy Fe	73.3	22

Bore No. 37

Position: See Plan No. F353A

Date: 25-8-70

Drill: 5" Churn

0 m. - 0.6 m.	Gravel		
0.6 m. - 0.9 m.	Hard pan		
0.9 m. - 9.1 m.	Brown, white and red clay		
9.1 m. - 10.7 m.	Off-white and cream Sap.	Br. 81.6	Y. 39%

021

Bore No. 37 contd.

10.7 m. - 15.2 m.	Dark brown Sap.		
15.2 m. - 16.8 m.	Yellow Sap.	Br. 72.7	Y. 23%
16.8 m. - 18.3 m.	Yellow Sap.	75.0	22
18.3 m. - 19.8 m.	Yellow Sap.	73.2	19
19.8 m. - 21.3 m.	Brown to green Sap.		

Bore No. 38

Position: See Plan No. F353A
 Date: 28-7-70
 Drill: 5" Churn - Water at 13 m.

0 m. - 0.3 m.	Gravel		
0.3 m. - 0.9 m.	Hard pan		
0.9 m. - 2.4 m.	Brown clay		
2.4 m. - 3.0 m.	Stained Sap.		
3.0 m. - 4.6 m.	Cream Sap.	Br. 83.7	Y. 43%
4.6 m. - 6.1 m.	White Sap.	86.3	38
6.1 m. - 7.6 m.	White Sap.	83.7	37
7.6 m. - 9.1 m.	White Sap.	86.6	35
9.1 m. - 10.7 m.	White Sap.	85.6	38
10.7 m. - 12.2 m.	White Sap.	85.2	35
12.2 m. - 13.7 m.	White Sap.	85.5	31
13.7 m. - 15.2 m.	White Sap., wet	79.2	28
15.2 m. - 16.8 m.	White Sap., wet, Fe stained	78.6	28
16.8 m. - 18.3 m.	White Sap., wet, Fe stained	79.4	26
18.3 m. - 19.8 m.	White Sap., wet, Fe stained	79.4	25
19.8 m. - 21.3 m.	White Sap., wet, Fe stained	75.6	20
21.3 m. - 22.9 m.	White Sap., wet, Fe stained	79.5	19
22.9 m. - 23.8 m.	Soft granite		
23.8 m. - ?	Hard bottom		

Bore No. 39

Position: See Plan No. F353A
 Date: 29-8-70
 Drill: 5" Churn

0 m. - 2.7 m.	Brown clay		
2.7 m. - 3.0 m.	Stained Sap.		
3.0 m. - 4.6 m.	Cream and white Sap.	Br. 80.0	Y. 34%

022

Bore No. 39 contd.

4.6 m. - 6.1 m.	Cream and white Sap.	Br. 81.0	Y. 31%
6.1 m. - 7.6 m.	Cream and white Sap.	81.0	33
7.6 m. - 9.1 m.	Cream and white Sap.	82.0	28
9.1 m. - 10.6 m.	Cream and white Sap., Fe stained	79.0	31
10.6 m. - 12.2 m.	Cream and white Sap., Fe stained	76.5	25
12.2 m. - 13.7 m.	Cream to yellow Sap.	77.0	22
13.7 m. - 15.2 m.	Yellow Sap.	77.2	24
15.2 m. - 16.7 m.	Yellow Sap.	75.0	26
16.7 m. - 18.3 m.	Yellow to green Sap., wet		

Bore No. 40

Position: See Plan No. F353A

Date: 30-8-70

Drill: 5" Churn

0 m. - 3.0 m.	Brown clay		
3.0 m. - 4.6 m.	Cream and white Sap.	Br. 82.0	Y. 33%
4.6 m. - 6.1 m.	Cream and white Sap., heavy Fe stain		
6.1 m. - 7.6 m.	White and stained Sap.	75.4	25
7.6 m. - 9.1 m.	Cream to green and white Sap.	76.4	28
9.1 m. - 10.7 m.	Green Sap.		

Bore No. 41

Position: See Plan No. F353A

Date: 2-9-70

Drill: 5" Churn

0 m. - 2.4 m.	Brown clay		
2.4 m. - 3.0 m.	White Sap.	Br. 83.0	Y. 37%
3.0 m. - 4.6 m.	White Sap., some stain	82.5	37
4.6 m. - 9.1 m.	Yellow then green Sap.		

023

Bore No. 42

Position: See Plan No. F353A

Date: 3-9-70

Drill: 5" Churn

0 m. - 3.7 m.	Brown clay		
3.7 m. - 4.6 m.	White and Cream Sap., Fe stain	Br. 76.4	Y. 37%
4.6 m. - 6.1 m.	White and Cream Sap., Fe stain	74.0	40
6.1 m. - 7.6 m.	White and Cream Sap., Fe stain	73.0	33
7.6 m. - 9.1 m.	White and Cream Sap., Fe stain	78.0	29
9.1 m. - 10.7 m.	Becoming green		

Bore No. 43

Position: See Plan No. F353A

Date: 4-9-70

Drill: 5" Churn

0 m. - 1.8 m.	Brown clay		
1.8 m. - 3.0 m.	Cream and white Sap., some stain and hard felpars	Br. 79.5	Y. 27%
3.0 m. - 4.6 m.	Cream and white Sap., Fe stain	81.3	25
4.6 m. - 6.1 m.	Cream and white Sap., Fe stain	78.8	21
6.1 m. - 7.6 m.	Brown then green Sap.		

Bore No. 44

Position: See Plan No. F353A

Date: 4-9-70

Drill: 5" Churn

0 m. - 0.9 m.	Brown clay		
0.9 m. - 1.5 m.	Cream and white Sap., stained	Br. 72.0	Y. 29%
1.5 m. - 3.0 m.	Cream and white Sap., fine grained	80.0	27
3.0 m. - 4.6 m.	Cream and white Sap., fine grained	80.0	32
4.6 m. - 6.1 m.	Cream and white Sap., fine grained	80.2	26
6.1 m. - 7.6 m.	White Sap., pale brown when wet	77.0	30
7.6 m. - 9.1 m.	White Sap., pale brown when wet	77.0	23
9.1 m. - 10.7 m.	Cream and white Sap.	77.0	26
10.7 m. - 12.2 m.	Cream and white Sap.	76.0	23
12.2 m. - 13.7 m.	Cream and white Sap., becoming green	76.6	24

024

909026

Bore No. 45

Position: See Plan No. F353A

Date: 4-9-70

Drill: 5" Churn

0 m. - 7.9 m. Red and green drift

Bore No. 46

Position: See Plan No. F353A

Date: 7-9-70

Drill: 5" Churn

0 m. - 2.1 m.	Brown gravel and clay		
2.1 m. - 3.0 m.	Pale brown Sap., some stain	Br. 76.6	Y. 52%
3.0 m. - 4.6 m.	Pale brown Sap., some stain	69.6	50
4.6 m. - 6.1 m.	Cream and white Sap.	76.3	32
6.1 m. - 7.6 m.	Cream and white Sap., wet	74.2	25
7.6 m. - 9.1 m.	Cream and white Sap., wet	77.8	20
9.1 m. - 10.7 m.	Cream and white Sap., wet	77.8	24
10.7 m. - 12.2 m.	Becoming brown then green		

Bore No. 47

Position: See Plan No. F353A

Date: 8-9-70

Drill: 5" Churn

0 m. - 3.0 m.	Brown clay and drift		
3.0 m. - 4.6 m.	Cream and white Sap., some stain	Br. 82.5	Y. 35%
4.6 m. - 6.1 m.	Cream and white Sap., some stain	82.5	35
6.1 m. - 7.6 m.	Cream and white Sap., Fe stain, wet	75.0	30
7.6 m. - 9.1 m.	Cream and white Sap., Fe stain, wet	78.3	27
9.1 m. - 10.7 m.	Yellow Sap.	73.1	24
10.7 m. - 12.2 m.	Cream and white Sap., some yellow	77.2	23
12.2 m. - 13.7 m.	Cream and white Sap.	82.0	24
13.7 m. - 15.2 m.	Cream and white Sap.	81.0	21
15.2 m. - 16.8 m.	Cream and white Sap.	81.0	22
16.8 m. - 17.1 m.	Green		

025

Bore No. 48

Position: See Plan No. F353A
Date: 9-9-70
Drill: 5" Churn - Water at 8 m.

0 m. - 2.1 m.	Brown clay and drift		
2.1 m. - 3.0 m.	Cream and white Sap.	Br. 82.5	Y. 56%
3.0 m. - 4.6 m.	Cream and white Sap., some Fe stain	80.0	39
4.6 m. - 6.1 m.	Cream and white Sap., some Fe stain	82.0	28
6.1 m. - 9.1 m.	Yellow Sap.		
9.1 m. - 10.7 m.	Pale yellow Sap., wet	74.5	22
10.7 m. - 12.2 m.	Pale brown Sap.	72.0	19
12.2 m. - 12.8 m.	Grey Sap.	71.0	20
12.8 m. - 13.7 m.	Green Sap.	67.8	17

Bore No. 49

Position: See Plan No. F353A
Date: 13-9-70
Drill: 5" Churn - Water at 6 m.

0 m. - 3.7 m.	Brown clay and drift		
3.7 m. - 4.6 m.	Cream and white Sap., stained	Br. 74.5	Y. 35%
4.6 m. - 6.1 m.	Cream and white Sap.	79.0	45
6.1 m. - 7.6 m.	Cream and white Sap.	79.0	23
7.6 m. - 9.1 m.	Cream and white Sap.	81.0	26
9.1 m. - 10.7 m.	Yellow Sap.	74.5	19
10.7 m. - 12.2 m.	Fe stained Sap.	72.0	17
12.2 m. - 13.7 m.	Fe stained Sap.	71.0	18
13.7 m. - 15.2 m.	Fe stained Sap.	66.0	21
15.2 m. - 15.9 m.	Green and red Sap.		

Bore No. 50

Position: See Plan No. F353A
Date: 15-9-70
Drill: 5" Churn - Water at 4 m.

0 m. - 1.5 m.	Gravel		
1.5 m. - 3.0 m.	Brown clay		
3.0 m. - 4.6 m.	Grey to white Sap.	Br. 77.3	Y. 31%
4.6 m. - 6.1 m.	Cream and white Sap.	78.2	31
6.1 m. - 7.6 m.	Cream and white Sap.	80.2	26

026

Bore No. 50 contd.

7.6 m. - 9.1 m.	Yellow Sap.	Br. 72.0	Y. 23%
9.1 m. - 10.7 m.	Pale yellow Sap.	72.7	23
10.7 m. - 12.2 m.	Pale yellow Sap.	77.0	22
12.2 m. - 13.7 m.	Pale yellow Sap.	74.3	23
13.7 m. - 15.9 m.	Green Sap.		

Bore No. 51

Position: See Plan No. F353A
 Date: 16-9-70
 Drill: 5" Churn - Water at 5 m.

0 m. - 3.0 m.	Brown gravel and clay		
3.0 m. - 4.6 m.	White Sap., some stain	Br. 77.0	Y. 33%
4.6 m. - 6.1 m.	White Sap., wet	80.3	29
6.1 m. - 7.6 m.	White Sap., wet	80.2	26
7.6 m. - 9.1 m.	White Sap., wet		25
9.1 m. - 10.7 m.	Yellow to green, wet	72.8	21
10.7 m. - 11.6 m.	Brown to green		

Bore No. 52

Position: See Plan No. F353A
 Date: 18-9-70
 Drill: 5" Churn - Water at 3 m.

0 m. - 4.3 m.	Brown clay and drift		
4.3 m. - 6.1 m.	Cream Sap., yellow stain, wet	Br. 75.4	Y. 28%
6.1 m. - 7.6 m.	Cream Sap., yellow stain, wet	76.0	25
7.6 m. - 9.1 m.	White Sap., wet	79.0	20
9.1 m. - 10.7 m.	Cream Sap., wet	76.7	22
10.7 m. - 12.2 m.	White Sap., wet	79.0	20
12.2 m. - 13.7 m.	White Sap., wet	77.8	29
13.7 m. - 15.2 m.	White Sap., wet	77.0	20
15.2 m. - 16.8 m.	Cream Sap., some Fe stain, wet	75.0	15
16.8 m. - 18.3 m.	Cream Sap., some Fe stain, wet	76.5	16
18.3 m. - 19.8 m.	Cream Sap., some Fe stain, hard felspars	72.5	14
19.8 m. - 21.3 m.	Cream Sap., some Fe stain, hard felspars	75.0	20

Bore No. 53

Position: See Plan No. F353A
 Date: 21-9-70
 Drill: 5" Churn - Water at 2 m.

0 m. - 3.0 m.	Brown clay and drift		
3.0 m. - 4.6 m.	Cream and white Sap.	Br. 74.0	Y. 20%
4.6 m. - 6.1 m.	Cream and white Sap.	70.5	21
6.1 m. - 7.6 m.	Cream and white Sap.	68.0	24
7.6 m. - 9.1 m.	Cream and white Sap.	75.0	18
9.1 m. - 10.7 m.	Cream and white Sap.	65.0	19
10.7 m. - 12.2 m.	Cream and white Sap.	75.0	16
12.2 m. - 13.7 m.	Cream and white Sap., wet	74.0	15
13.7 m. - 15.2 m.	Cream and white Sap., Fe flecks	70.0	15
15.2 m. - 16.8 m.	Pale brown Sap.	68.0	17
16.8 m. - 18.3 m.	Brown to green Sap.		

Bore No. 54

Position: See Plan No. F353A
 Date: 22-9-70
 Drill: 5" Churn - Water at 1 m.

0 m. - 2.1 m.	Brown clay and drift		
2.1 m. - 3.0 m.	Cream and white Sap., stained	Br. 74.0	Y. 25%
3.0 m. - 4.6 m.	Cream and white Sap., stained	77.5	22
4.6 m. - 6.1 m.	Cream and white Sap.	73.5	17
6.1 m. - 7.6 m.	Cream and white Sap., some green	68.5	20
7.6 m. - 9.1 m.	Green Sap.		

Bore No. 55

Position: See Plan No. F353A
 Date: 23-9-70
 Drill: 5" Churn - Water at 1 m.

0 m. - 1.8 m.	Brown clay and drift		
1.8 m. - 3.0 m.	Cream and white Sap., stained	Br. 70.5	Y. 26%
3.0 m. - 4.6 m.	Cream and white Sap., stained	74.5	20
4.6 m. - 6.1 m.	Cream and white Sap., wet	76.0	16
6.1 m. - 7.6 m.	Cream and white Sap., wet	69.0	22
7.6 m. - 9.1 m.	Cream and white Sap., wet	72.5	14

028

Bore No. 55 contd.

9.1 m. - 10.7 m.	Cream and white Sap., some Fe stain	Br. 71.0	Y. 13%
10.7 m. - 12.2 m.	Yellow Sap.	70.0	12
12.2 m. - 13.4 m.	Green Sap.		

Bore No. 56

Position: See Plan No. F353A
 Date: 24-9-70
 Drill: 5" Churn - Water at 3 m.

0 m. - 2.1 m.	Black gravel		
2.1 m. - 3.0 m.	Cream and white Sap., stained	Br. 75.9	Y. 29%
3.0 m. - 3.7 m.	Cream and white Sap., stained	77.8	28
3.7 m. - 4.6 m.	Cream and white Sap., some yellow	75.5	24
4.6 m. - 6.1 m.	Yellow Sap., some white		
6.1 m. - 7.6 m.	Cream and white Sap., some yellow	61.5	21
7.6 m. - 9.1 m.	Cream and white Sap., some yellow	75.5	24
9.1 m. - 10.7 m.	Cream and white Sap.	74.2	16
10.7 m. - 12.2 m.	Cream and white Sap., wet	77.7	18
12.2 m. - 13.7 m.	Cream and white Sap., Fe stains	75.0	29
13.7 m. - 15.2 m.	Cream and white Sap., Fe stains	75.5	27
15.2 m. - 16.8 m.	Cream and white Sap., some green	70.3	23
16.8 m. - 18.3 m.	Green Sap.		

Bore No. 57

Position: See Plan No. F353A
 Date: 28-9-70
 Drill: 5" Churn - Water at 2 m.

0 m. - 4.6 m.	Brown clay and gravel		
4.6 m. - 6.1 m.	Cream and white Sap., stained	Br. 79.1	Y. 29%
6.1 m. - 7.6 m.	Cream and white Sap.	81.0	31
7.6 m. - 9.1 m.	Cream and white Sap.	80.9	24
9.1 m. - 10.7 m.	Yellow Sap.		
10.7 m. - 12.2 m.	Cream and white Sap., Fe stained		
12.2 m. - 19.8 m.	Cream and white Sap., slight Fe stain		
19.8 m. - 21.3 m.	Becoming green		

029

Bore No. 58

Position: See Plan No. F353A
Date: 30-9-70
Drill: 5" Churn - Water at 3 m.

0 m. - 2.1 m.	Brown clay and gravel		
2.1 m. - 3.0 m.	Cream and white Sap., stained	Br. 72.1	Y. 37%
3.0 m. - 4.6 m.	Cream and white Sap., some Fe stain	75.9	36
4.6 m. - 6.1 m.	Cream and white Sap., some Fe stain	76.4	25
6.1 m. - 7.3 m.	Cream and white Sap., some Fe stain	77.3	26
7.3 m. - 10.7 m.	Yellow Sap.		
10.7 m. - 12.2 m.	Cream and white Sap., slight Fe stain	74.3	24
12.2 m. - 13.7 m.	Cream and white Sap., slight Fe stain	74.7	18
13.7 m. - 15.2 m.	Cream and white Sap., slight Fe stain	74.6	19
15.2 m. - 16.8 m.	Cream and white Sap., slight Fe stain	76.8	17
16.8 m. - 18.3 m.	Cream and white Sap., slight Fe stain, some hard white feldspars	76.4	19
18.3 m. - 19.8 m.	Grey Sap., hard feldspars	77.2	18
19.8 m. - 20.7 m.	Becoming green		

Bore No. 59

Position: See Plan No. F353A
Date: 1-10-70
Drill: 5" Churn - Water at 3 m.

0 m. - 4.0 m.	Brown clay and gravel		
4.0 m. - 4.6 m.	Cream and white Sap., stained	Br. 81.0	Y. 29%
4.6 m. - 6.1 m.	Cream and white Sap., stained	81.6	31
6.1 m. - 7.6 m.	Cream and white Sap.	83.2	27
7.6 m. - 9.1 m.	Cream and white Sap.	80.2	32
9.1 m. - 10.7 m.	Cream and white Sap., slight Fe stain	76.5	26
10.7 m. - 12.2 m.	Cream and white Sap., heavy Fe stain		
12.2 m. - 14.0 m.	Cream and white Sap., becoming green	74.1	20

Bore No. 60

Position: See Plan No. F353A
Date: 2-10-70
Drill: 5" Churn - Water at 3 m.

0 m. - 3.0 m.	Brown clay and gravel		
3.0 m. - 4.3 m.	White Sap.		
4.3 m. - 7.6 m.	Brown and white Sap.		
7.6 m. - 8.2 m.	Green Sap.		

030

Bore No. 61

Position: See Plan No. F353A
Date: 5-10-70
Drill: 5" Churn

0 m. - 2.1 m.	Brown clay and drift		
2.1 m. - 3.0 m.	Cream and white Sap., stained	Br. 75.4	Y. 37%
3.0 m. - 4.6 m.	White Sap., pale brown stains	80.7	33
4.6 m. - 6.1 m.	White Sap., pale brown stains	80.0	26
6.1 m. - 7.6 m.	Cream to pale brown Sap.		
7.6 m. - 9.1 m.	Yellow Sap.		

Bore No. 62

Position: See Plan No. F353A
Date: 6-10-70
Drill: 5" Churn

0 m. - 0.6 m.	Brown clay and drift
0.6 m. - 3.0 m.	White to green Sap.

Bore No. 63

Position: See Plan No. F353A
Date: 6-10-70
Drill: 5" Churn

0 m. - 1.2 m.	Brown clay and drift		
1.2 m. - 1.5 m.	White Sap., stained		
1.5 m. - 3.0 m.	White Sap., Fe stain omitted	Br. 81.6	Y. 39%
3.0 m. - 4.6 m.	Cream and white Sap., Fe stained	79.3	33
4.6 m. - 6.1 m.	Cream and white Sap., Fe stained	76.9	26
6.1 m. - 15.2 m.	Brown to yellow then green		

Bore No. 64

Position: See Plan No. F353A
Date: 7-10-70
Drill: 5" Churn

0 m. - 3.0 m.	Pale to deep green Sap.
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031

Bore No. 65

Position: See Plan No. F353A

Date: 8-10-70

Drill: 5" Churn

- 0 m. - 0.6 m. Black gravel
- 0.6 m. - 6.1 m. Brown Sap.
- 6.1 m. - 7.3 m. White to brown Sap.
- 7.3 m. - 9.1 m. White Sap.
- 9.1 m. - 10.7 m. Brown Sap.

Bore No. 66

Position: See Plan No. F353A

Date: 9-10-70

Drill: 5" Churn

- 0 m. - 0.6 m. Black gravel
- 0.6 m. - 3.3 m. Brown to green Sap.
- 3.3 m. - 6.1 m. Green Sap.

Bore No. 67

Position: See Plan No. F353A

Date: 9-10-70

Drill: 5" Churn

- 0 m. - 2.7 m. Brown to green Sap., then hard bottom

Bore No. 68

Position: See Plan No. F353A

Date: 12-10-70

Drill: 5" Churn

- 0 m. - 2.4 m. Brown clay or drift
- 2.4 m. - 5.5 m. White to green Sap.
- 5.5 m. - 7.6 m. Brown and green Sap.

032

Bore No. 69

Position: See Plan No. F353A
Date: 12-10-70
Drill: 5" Churn

0 m. - 3.0 m. Brown clay or drift
3.0 m. - 3.7 m. White to green Sap.
3.7 m. - 7.6 m. Brown and green Sap.

Bore No. 70

Position: See Plan No. F353A
Date: 12-10-70
Drill: 5" Churn

0 m. - 0.6 m.	Black gravel		
0.6 m. - 4.0 m.	Brown Sap. or drift		
4.0 m. - 6.1 m.	Brown to white Sap.		
6.1 m. - 7.3 m.	White Sap., Fe stained	Br. 72.0	Y. 28%
7.3 m. - 8.8 m.	White Sap., Fe stained	76.5	31
8.8 m. - 11.6 m.	Brown to green Sap.		

Bore No. 71

Position: See Plan No. F353A
Date: 14-10-70
Drill: 5" Churn

0 m. - 0.6 m. Black gravel
0.6 m. - 3.0 m. Brown Sap. or drift
3.0 m. - 4.0 m. White to brown Sap.
4.0 m. - 10.4 m. White, brown and green Sap.
10.4 m. - 12.2 m. Brown and green Sap.

Bore No. 72

Position: See Plan No. F353A
Date: 14-10-70
Drill: 5" Churn

0 m. - 2.1 m. Brown Sap. or drift
2.1 m. - 6.4 m. Brown, green and white Sap., hard bottom

033

909035

Bore No. 73

Position: See Plan F353A
Date: 15-10-70
Drill: 5" Churn

0 m. - 2.7 m. Brown Sap. or drift
2.7 m. - 7.9 m. Green to white Sap.
7.9 m. - 10.7 m. Green and brown Sap.

Bore No. 74

Position: See Plan No. F353A
Date: 15-10-70
Drill: 5" Churn

0 m. - 2.1 m. Brown Sap. or drift
2.1 m. - 4.6 m. White to green Sap.
4.6 m. - 8.2 m. Green to red Sap.
8.2 m. - 10.7 m. Green to white Sap.

Bore No. 75

Position: See Plan No. F353A
Date: 16-10-70
Drill: 5" Churn

0 m. - 4.0 m.	Brown Sap. or drift		
4.0 m. - 4.6 m.	White and cream Sap., stained	Br. 77.0	Y. 39%
4.6 m. - 6.1 m.	Cream and white Sap.	83.8	38
6.1 m. - 7.6 m.	Cream and white Sap.	82.5	41
7.6 m. - 9.1 m.	Cream and white Sap.	78.5	43
9.1 m. - 10.7 m.	White Sap.	85.0	36
10.7 m. - 12.2 m.	Cream and white Sap.	79.5	35
12.2 m. - 13.7 m.	Cream and white Sap.	79.3	37
13.7 m. - 15.2 m.	Cream to pale brown Sap.	78.5	28
15.2 m. - 16.7 m.	Cream and white Sap., Fe stained	76.0	30
16.7 m. - 18.3 m.	Cream and white Sap., slight green	77.0	25
18.3 m.	Hard bottom		

034

Bore No. 76

Position: See Plan No. F353A

Date: 21-10-70

Drill: 5" Churn

0 m.	-	1.2 m.	Black gravel		
1.2 m.	-	3.4 m.	Brown Sap. or drift		
3.4 m.	-	4.6 m.	Cream and white Sap., stained	Br. 72.0	Y. 39%
4.6 m.	-	6.1 m.	Cream and white Sap., stained	79.5	35
6.1 m.	-	7.6 m.	Cream and white Sap., Fe stained	79.0	32
7.6 m.	-	9.1 m.	Cream and white Sap., Fe stained	79.2	27
9.1 m.	-	10.7 m.	Cream and white Sap., Fe stained	71.8	22
10.7 m.	-	12.2 m.	Cream and white Sap., Fe stained	74.7	26
12.2 m.	-	13.7 m.	Green Sap.	65.0	22
13.7 m.			Hard bottom		

Bore No. 77

Position: See Plan No. F353A

Date: 21-10-70

Drill: 5" Churn

0 m.	-	1.5 m.	Black gravel		
1.5 m.	-	3.7 m.	Brown Sap. or drift		
3.7 m.	-	4.6 m.	Cream to white Sap.	Br. 71.5	Y. 26%
4.6 m.	-	6.1 m.	White to cream Sap.	77.0	27
6.1 m.	-	7.6 m.	White to cream Sap., some stain	75.0	28
7.6 m.	-	9.1 m.	White to cream Sap.	79.0	25
9.1 m.	-	10.7 m.	White Sap.	82.0	26
10.7 m.	-	12.2 m.	White Sap.	79.6	24
12.2 m.	-	13.7 m.	Cream and white Sap.	80.3	23
13.7 m.	-	15.2 m.	Cream and white Sap., some Fe stain	78.0	23
15.2 m.	-	16.8 m.	Cream and white Sap., some Fe stain	77.5	25
16.8 m.	-	18.3 m.	Cream and white Sap., some Fe stain	77.0	22
18.3 m.	-	19.8 m.	Yellow Sap.	72.0	23
19.8 m.	-	20.7 m.	Brown Sap.		
20.7 m.			Hard bottom		

Bore No. 78

909037

Position: See Plan No. F353A
Date: 22-10-70
Drill: 5" Churn

0 m. - 1.5 m.	Brown Sap. or drift		
1.5 m. - 3.0 m.	Cream to white Sap., stained	Br. 79.0	Y. 34%
3.0 m. - 4.6 m.	Cream to white Sap., stained	78.8	39
4.6 m. - 6.1 m.	Cream to white Sap., stained	78.7	30
6.1 m. - 7.6 m.	Yellow to white Sap.	73.0	32
7.6 m. - 9.1 m.	Yellow Sap.	66.3	28
9.1 m. - 12.2 m.	Brown Sap.	70.0	26
12.2 m. - 15.2 m.	Brown Sap.		
15.2 m. - 16.8 m.	Yellow-brown Sap.	67.3	25
16.8 m. - 19.8 m.	Brown and white Sap.		
19.8 m. - 21.3 m.	Yellow-brown Sap.	73.3	27
21.3 m.	Green Sap.		

Bore No. 79

Position: See Plan No. F353A
Date: October, 1970
Drill: 5" Churn

0 m. - 1.8 m.	Red Sap. or drift		
1.8 m. - 3.0 m.	White Sap.	Br. 83.0	Y. 30%
3.0 m. - 4.6 m.	White Sap.	82.8	29
4.6 m. - 6.1 m.	White Sap.	79.5	32
6.1 m. - 7.6 m.	White Sap.	81.8	26
7.6 m.	Hard bottom		

Bore No. 80

Position: See Plan No. F353A
Date: October, 1970
Drill: 5" Churn

0 m. - 1.5 m.	Red clay		
1.5 m. - 3.0 m.	White Sap.	Br. 80.6	Y. 31%
3.0 m. - 4.6 m.	White Sap.	84.5	28
4.6 m. - 6.1 m.	White Sap.	81.8	30
6.1 m. - 7.6 m.	White Sap., greenstained	70.0	28
7.6 m. - 8.4 m.	White Sap., red and green stained	68.0	33
8.4 m.	Hard bottom		

035

036

Bore No. 81

Position: See Plan No. F353A
Date: October, 1970
Drill: 5" Churn

0 m. - 5.2 m.	Red clay		
5.2 m. - 6.1 m.	Grey - white Sap.	Br. 73.5	Y. 47%
6.1 m. - 7.6 m.	Grey - white Sap.	73.0	42
7.6 m. - 9.1 m.	Grey - white Sap.	69.5	39
9.1 m. - 10.7 m.	Grey, white and red Sap.	69.6	34
10.7 m. - 15.5 m.	Red and green Sap.		

Bore No. 82

Position: See Plan No. F353A
Date: October, 1970
Drill: 5" Churn

0 m. - 3.0 m.	Red clay		
3.0 m. - 4.6 m.	White Sap.	Br. 81.7	Y. 39%
4.6 m. - 6.1 m.	White Sap.	83.0	35
6.1 m. - 7.6 m.	White Sap.	74.0	36
7.6 m. - 9.1 m.	White Sap.	82.3	32
9.1 m. - 10.7 m.	White to pale grey Sap.	78.0	29
10.7 m. - 12.8 m.	White to green Sap.	73.3	27
12.8 m.	Hard bottom		

Bore No. 83

Position: See Plan No. F353A
Date: October, 1970
Drill: 5" Churn

0 m. - 2.4 m.	Red clay		
2.4 m. - 3.0 m.	White Sap., pink stain	Br. 75.0	Y. 39%
3.0 m. - 4.6 m.	White Sap.	82.3	32
4.6 m. - 6.1 m.	White Sap., grey stain	78.8	31
6.1 m. - 7.6 m.	Green, red and dark green Sap.		
7.6 m.	Hard bottom		

037

Bore No. 84

Position: See Plan No. F353A
 Date: October, 1970
 Drill: 5" Churn

0 m. - 1.5 m.	Red clay		
1.5 m. - 3.0 m.	White Sap.	Br. 81.7	Y. 40%
3.0 m. - 4.6 m.	White Sap.	82.8	29
4.6 m. - 6.1 m.	White Sap.	75.8	42
6.1 m. - 7.6 m.	White Sap., some light green	75.8	28
7.6 m. - 9.1 m.	Pale green Sap.	71.9	29

Bore No. 85

Position: See Plan No. F353A
 Date: October, 1970
 Drill: 5" Churn

0 m. - 0.9 m.	Red clay		
0.9 m. - 1.5 m.	White Sap.		
1.5 m. - 3.0 m.	White Sap.	Br. 73.8	Y. 20%
3.0 m. - 4.6 m.	White Sap., red stain	77.2	25
4.6 m. - 6.1 m.	White Sap., pink stain	75.5	23
6.1 m. - 7.6 m.	White Sap.	75.5	20
7.6 m. - 9.1 m.	White and green Sap.	76.8	24
9.1 m. - 13.4 m.	Green and red Sap.		
13.4 m. - 14.9 m.	Red Sap.		

Bore No. 86

Position: See Plan No. F353A
 Date: October, 1970
 Drill: 5" Churn

0 m. - 0.6 m.	Red clay		
0.6 m. - 1.5 m.	White Sap.		
1.5 m. - 3.0 m.	White Sap.	Br. 82.2	Y. 30%
3.0 m. - 4.6 m.	White Sap.	80.8	26
4.6 m. - 6.1 m.	White Sap.	82.5	26
6.1 m. - 7.6 m.	White Sap.	84.0	27
7.6 m. - 9.1 m.	White Sap.	81.5	27
9.1 m. - 10.7 m.	White Sap., pink stain	80.0	27

038

Bore No. 86 contd.

10.7 m. - 12.2 m.	White Sap., pink stain	Br. 78.8	Y. 22%
12.2 m. - 13.7 m.	White Sap., red stain	73.3	19
13.7 m. - 15.2 m.	White Sap.	75.5	21
15.2 m. - 18.3 m.	Green Sap.		

Bore No. 87

Position: See Plan No. F353A
 Date: 1-11-70
 Drill: 5" Churn

0 m. - 1.5 m.	Brown Sap. or drift		
1.5 m. - 3.0 m.	Cream and white Sap.	Br. 81.0	Y. - %
3.0 m. - 4.6 m.	Cream and white Sap.	80.0	23
4.6 m. - 6.1 m.	Cream Sap.	71.0	25
6.1 m. - 7.6 m.	Cream Sap.	66.5	24
7.6 m. - 9.1 m.	Cream Sap.	77.0	31
9.1 m.	Hard bottom		

Bore No. 88

Position: See Plan No. F353A
 Date: 1-11-70
 Drill: 5" Churn

0 m. - 1.5 m.	Brown Sap. or drift		
1.5 m. - 3.0 m.	White to brown Sap.	Br. 67.4	Y. 27%
3.0 m. - 4.6 m.	Green to white Sap.		
4.6 m. - 9.8 m.	Brown Sap.		
9.8 m.	Hard bottom		

Bore No. 89

Position: See Plan No. F353A
 Date: 4-11-70
 Drill: 5" Churn - Water at 2 m.

0 m. - 0.9 m.	Black gravel		
0.9 m. - 17.1 m.	Brown drift		
17.1 m. - 19.5 m.	White and brown drift		
19.5 m. - 21.3 m.	White, brown and green drift		

039

Bore No. 90

Position: See Plan No. F353A
Date: 5-11-70
Drill: 5" Churn - Water at 3 m.

0 m. - 3.7 m. Brown drift
3.7 m. - 5.5 m. Brown and white drift
5.5 m. - 15.2 m. Brown drift or Sap.

Bore No. 91

Position: See Plan No. F353A
Date: 6-11-70
Drill: 5" Churn - Water at 4 m.

0 m. - 2.7 m. Brown drift
2.7 m. - 3.7 m. Brown and white Sap.
3.7 m. - 7.9 m. White and brown Sap.
7.9 m. - 9.1 m. White Sap.
9.1 m. - 21.3 m. Brown and white Sap.

Bore No. 92

Position: See Plan No. F353A
Date: 10-11-70
Drill: 5" Churn - Water at 3 m.

0 m. - 2.4 m.	Brown drift		
2.4 m. - 7.6 m.	White and brown Sap.		
7.6 m. - 9.1 m.	White Sap.	Br. 80.2	Y. 29%
9.1 m. - 10.7 m.	White Sap., some green	78.0	39
10.7 m. - 12.2 m.	White Sap., some green	78.5	37
12.2 m. - 13.7 m.	White Sap., some green	78.5	30
13.7 m. - 18.3 m.	Brown Sap.		

Bore No. 93

Position: See Plan No. F353A
Date: 12-11-70
Drill: 5" Churn - Water at 6 m.

0 m. - 1.8 m. Brown drift
1.8 m. - 4.9 m. White and brown drift
4.9 m. - 18.3 m. Brown drift or Sap.

Bore No. 94

Position: See Plan No. F353A
Date: 13-11-70
Drill: 5" Churn - Water at 5 m.

0 m. - 15.2 m. Brown drift or Sap.

Bore No. 94A

Position: See Plan No. F353A
Date: 13-11-70
Drill: 5: Churn

0 m. - 15.2 m. Brown drift or Sap.

Bore No. 95

Position: See Plan No. F353A
Date: 17-11-70
Drill: 5" Churn - Water at 7 m.

0 m. - 1.5 m.	Brown drift		
1.5 m. - 3.0 m.	White Sap., some Fe stain	Br. 75.8	Y. 42%
3.0 m. - 4.6 m.	Cream and white Sap.	81.0	36
4.6 m. - 6.1 m.	Cream and white Sap.	80.9	33
6.1 m. - 7.6 m.	Cream and white Sap.	81.9	28
7.6 m. - 9.1 m.	Cream and white Sap., some green	77.5	30
9.1 m. - 10.7 m.	Cream and white Sap., some green	75.6	32
10.7 m. - 16.7 m.	Light green Sap.		

Bore No. 96

Position: See Plan No. F353A
 Date: 18-11-70
 Drill: 5" Churn - Water at 12 m.

0 m. - 0.9 m.	Black gravel		
0.9 m. - 5.5 m.	Brown drift		
5.5 m. - 6.1 m.	Pale brown Sap.	Br. 77.1	Y. 37%
6.1 m. - 7.6 m.	Cream and white Sap.	82.0	35
7.6 m. - 9.1 m.	Cream and white Sap.	82.6	34
9.1 m. - 10.7 m.	Cream and white Sap.	82.0	33
10.7 m. - 12.2 m.	Cream Sap.	78.0	31
12.2 m. - 13.7 m.	Cream Sap.	76.0	29
13.7 m. - 15.2 m.	Cream Sap.	77.8	27
15.2 m. - 16.8 m.	Cream Sap., some green, hard feldspars	76.2	30
16.8 m. - 18.3 m.	White to green Sap.		

042

NORTH TONGANAH AREABore No. NT 1

Position: See Plan No. M-A105

Date: 7-9-70

Drill: 4" Auger

0 m. - 1.2 m.	Soil and gravel		
1.2 m. - 2.1 m.	Stained Sap.		
2.1 m. - 11.0 m.	Pale brown to white Sap.	Br. 74.0	Y. 41%
11.0 m. - ?	White Sap.	80.0	32

Bore No. NT 2

Position: See Plan No. M-A105

Date: 7-9-70

Drill: 4" Auger

0 m. - 0.9 m.	Clay		
0.9 m. - 2.7 m.	Brown drift		
2.7 m. - 3.7 m.	Stained Sap.		
3.7 m. - 7.3 m.	Cream Sap.	Br. 75.0	Y. 36%
7.3 m. - 12.8 m.	Cream and white Sap.	75.0	23

Bore No. NT 3

Position: See Plan No. M-A105

Date: 8-9-70

Drill: 4" Auger

0 m. - 0.9 m.	Gravel		
0.9 m. - 3.7 m.	Clay		
3.7 m. - 10.1 m.	Cream and white Sap.	Br. 78.0	Y. 28%
10.1 m. - ?	Cream and white Sap., some Fe stain	79.5	28

Bore No. NT 4

Position: See Plan No. M-A105

Date: 8-9-70

Drill: 4" Auger

0 m. - 0.9 m.	Gravel		
0.9 m. - 2.7 m.	Clay		
2.7 m. - 4.6 m.	Brown Sap.		
4.6 m. - 12.8 m.	Cream and white Sap.	Br. 70.0	Y. 36%
12.8 m. - ?	Cream and white Sap., paler	71.0	28

043

909045

Bore No. NT 5

Position: See Plan No. M-A105
Date: 10-9-70
Drill: 4" Auger

0 m. - 1.5 m.	Soil, clay and gravel		
1.5 m. - 3.0 m.	Cream and white Sap.	Br. 69.5	Y. 44%
3.0 m. - 4.6 m.	Cream and white Sap.	71.0	32
4.6 m. - 6.1 m.	Cream and white Sap.	76.0	38
6.1 m. - 7.6 m.	Cream and white Sap.	71.0	29
7.6 m. - 9.1 m.	Cream and white Sap.	75.3	35
9.1 m. - 10.7 m.	Cream and white Sap.	76.0	34
10.7 m. - 11.9 m.	Cream and white Sap.	75.0	30

Bore No. NT 6

Position: See Plan No. M-A105
Date: 11-9-70
Drill: 4" Auger

0 m. - 0.9 m.	Gravel		
0.9 m. - 1.8 m.	Clay		
1.8 m. - 2.7 m.	Brown Sap.		
2.7 m. - 6.4 m.	Cream and white Sap.	Br. 77.0	Y. 32%
6.4 m. - 7.3 m.	Cream and white Sap.	78.0	37
7.3 m. - 9.1 m.	Cream and white Sap.	79.0	33
9.1 m. - 12.8 m.	Cream and white Sap.	76.0	31
12.8 m. - ?	Cream and white Sap.	78.0	28

Bore No. NT 7

Position: See Plan No. M-A105
Date: 17-9-70
Drill: 4" Auger

0 m. - 0.9 m.	Soil		
0.9 m. - 1.8 m.	Clay		
1.8 m. - 2.7 m.	Brown Sap.		
2.7 m. - 5.5 m.	Pale brown Sap.	Br. 75.0	Y. 54%
5.5 m. - 8.2 m.	Cream to yellow Sap., wet	73.0	42
8.2 m. - 10.9 m.	Cream to yellow Sap., wet	73.5	46
10.9 m. - 11.9 m.	Cream and white Sap.	77.0	43
11.9 m. - 12.8 m.	Cream and white Sap.	78.0	39

044

909046

Bore No. NT 8

Position: See Plan No. M-A105
Date: 18-9-70
Drill: 4" Auger

0 m. - 0.3 m.	Soil		
0.3 m. - 1.2 m.	Gravel		
1.2 m. - 3.0 m.	Clay and drift		
3.0 m. - 6.1 m.	Clay and drift		
6.1 m. - 7.3 m.	Pale brown Sap.	Br. 73.5	Y. 35%
7.3 m. - 9.2 m.	Cream Sap.	75.0	34
9.2 m. - 11.0 m.	Cream Sap.	79.5	30
11.0 m. - 12.8 m.	White Sap.	81.3	32

Bore No. NT 9

Not drilled

Bore No. NT 10

Position: See Plan No. M-A105
Date: September, 1970
Drill: 4" Auger

0 m. - 12.8 m. No details, cream to yellow Sap. Br. 78.0 Y. 26%

Bore No. NT 11

Position: See Plan No. M-A105
Date: September, 1970
Drill: 4" Auger

0 m. - 12.8 m. No details, residue all yellow

Bore No. NT 12

Position: See Plan No. M-A105
Date: September, 1970
Drill: 4" Auger

0 m. - 9.1 m.	No details		
9.1 m. - 12.8 m.	Cream Sap. or drift	Br. 74.9	Y. 36%

045

Bore No. NT 13

Position: See Plan No. M-A105
 Date: September, 1970
 Drill: 4" Auger

0 m. - 12.8 m. No details, yellow and cream residue

Bore No. NT 14

Position: See Plan No. M-A105
 Date: September, 1970
 Drill: 4" Auger

0 m. - 7.3 m.	Brown clay and gravel		
7.3 m. - 12.8 m.	Cream and white Sap. or drift) some water-worn pebbles in upper part.	Br. 79.4 79.9 73.8	Y. 37% 34 36

Bore No. NT 15

Position: See Plan No. M-A105
 Date: September, 1970
 Drill: 4" Auger

0 m. - 8.2 m.	No details		
8.2 m. - 9.1 m.	White Sap. with fine mica	Br. 73.3	Y. 34%
9.1 m. - 10.1 m.	Cream Sap., some stains	79.0	32
10.1 m. - 11.0 m.	Cream Sap., some stains	71.1	26
11.0 m. - 11.9 m.	Cream and white Sap.	76.3	27
11.9 m. - 12.8 m.	Cream and white Sap., some green	75.8	25

Bore No. NT 16

Position: See Plan No. M-A105
 Date: 3-10-70
 Drill: 4" Auger

0 m. - 2.7 m.	Clay and gravel		
2.7 m. - 4.3 m.	White Sap., some Fe stains	Br. 79.8	Y. 44%
4.3 m. - 5.5 m.	White Sap.	81.0	45
5.5 m. - 7.3 m.	White Sap.	80.0	46
7.3 m. - 9.8 m.	Yellow Sap.		
9.8 m. - 12.8 m.	Cream Sap.	78.9	38
12.8 m. - ?	Cream Sap.	79.1	39

046

Bore No. NT 17

Position: See Plan No. M-A105

Date: 5-10-70

Drill: 4" Auger

0 m. - 9.1 m.	No details		
9.1 m. - 11.0 m.	Cream and white Sap.	Br. 79.3	Y. 47%
11.0 m. - 12.8 m.	Cream and white Sap.	81.0	53

Bore No. NT 18

Position: See Plan No. M-A105

Date: 6-10-70

Drill: 4" Auger

0 m. - 1.8 m.	Soil and gravel		
1.8 m. - 4.6 m.	Cream and white Sap., some stains	Br. 84.5	Y. 46%
4.6 m. - 7.3 m.	Cream and white Sap.	83.2	47
7.3 m. - 10.1 m.	White Sap.	82.0	47
10.1 m. - 12.8 m.	White Sap.	82.8	49
12.8 m. - ?	White Sap.	85.0	36

Bore No. NT 19

Position: See Plan No. M-A105

Date: 6-10-70

Drill: 4" Auger

0 m. - 1.8 m.	Soil and gravel		
1.8 m. - 4.6 m.	Cream Sap., some stains	Br. 83.8	Y. 48%
4.6 m. - 7.3 m.	White Sap., slight Fe stain	84.5	44
7.3 m. - 10.1 m.	White Sap., very little stain	85.5	46
10.1 m. - 12.8 m.	White Sap., some stains	84.4	44
12.8 m. - ?	White Sap.	85.0	50

Bore No. NT 20

Position: See Plan No. M-A105

Date: 6-10-70

Drill: 4" Auger

0 m. - 6.1 m.	Clay and drift
6.1 m. - 12.8 m.	Yellow Sap.

047

Bore No. NT 21

Position: See Plan No. M-A105
Date: 6-10-70
Drill: 4" Auger

0 m. - 12.8 m. Coloured gravel, sand and clay

Bore No. NT 22

Position: See Plan No. M-A105
Date: 7-10-70
Drill: 4" Auger

0 m. - 6.1 m. Sand, gravel and clay
6.1 m. - 12.2 m. Pale brown Sap.
12.2 m. - 12.8 m. White Sap., very wet

Bore No. NT 23

Position: See Plan No. M-A105
Date: October, 1970
Drill: 4" Auger

0 m. - 12.8 m. Sand and drift

Bore No. NT 24

Position: 176 metres at 45° magnetic from No. 23
Date: October, 1970
Drill: 4" Auger

0 m. - 5.5 m. Brown clay drift
5.5 m. - 8.2 m. Pale brown clay drift
8.2 m. - 12.8 m. Pale brown clay drift, fine grained

Bore No. NT 25

Position: 95 metres at 64° magnetic from No. 24
Date: October, 1970
Drill: 4" Auger

0 m. - 2.7 m. Gravel
2.7 m. - 12.8 m. Brown Sap. or drift, whiter towards bottom

043

Bore No. NT 26

Position: 100 metres at 98° magnetic from No. 25

Date: October, 1970

Drill: 4" Auger

0 m. - 3.7 m. Soil and gravel

3.7 m. - 12.8 m. Brown Sap. or drift

Bore No. NT 27

Position: 160 metres, bearing unknown, from No. 26

Date: October, 1970

Drill: 4" Auger

0 m. - 1.2 m. Soil and clay

1.2 m. - 12.8 m. Drift, water worn quartz in bottom 3 metres

Bore No. NT 28

Position: 180 metres at 72° magnetic from No. 27

Date: October, 1970

Drill: 4" Auger

0 m. - 1.8 m. Gravel

1.8 m. - 2.7 m. Clay

2.7 m. - 12.8 m. Drift

Bore No. NT 29

Position: 120 metres at 84° magnetic from No. 28

Date: October, 1970

Drill: 4" Auger

0 m. - 1.2 m. Gravel

1.2 m. - 2.4 m. Clay

2.4 m. - 4.9 m. Brown drift

4.9 m. - 12.8 m. Brown drift with quartz pebbles

Bore No. NT 30

Position: Unknown
 Date: October, 1970
 Drill: 4" Auger

0 m. - 0.3 m. Gravel
 0.3 m. - 11.0 m. Brown drift
 11.0 m. - 12.8 m. Stained Sap., whiter in bottom

Bore No. NT 31

Position: 60 metres at 55° magnetic from No. 30
 Date: October, 1970
 Drill: 4" Auger

0 m. - 0.3 m. Gravel
 0.3 m. - 1.2 m. Clay
 1.2 m. - 12.8 m. Drift

Bore No. NT 32

Position: 60 metres at 355° magnetic from No. 31
 Date: October, 1970
 Drill: 4" Auger

0 m. - 0.6 m. Gravel
 0.6 m. - 1.5 m. Clay
 1.5 m. - 3.0 m. Clay
 3.0 m. - 9.1 m. Drift, hard bottom

Bore No. NT 33

Position: See Plan No. M-A105
 Date: October, 1970
 Drill: 4" Auger

0 m. - 0.9 m.	Clay		
0.9 m. - 2.7 m.	Stained Sap.		
2.7 m. - 3.7 m.	White Sap., slight Fe stains		
3.7 m. - 4.6 m.	White Sap., slight Fe stains	Br. 82.8	Y. 49%
4.6 m. - 6.4 m.	White Sap., slight Fe stains		
6.4 m. - 7.3 m.	White Sap., slight Fe stains	84.0	37
7.3 m. - 10.1 m.	White Sap., slight Fe stains		
10.1 m. - 11.0 m.	White Sap., slight Fe stains	81.5	45
11.0 m. - 12.8 m.	White Sap., slight Fe stains	82.8	33

050

Bore No. NT 34

909052

Position: See Plan No. M-A105

Date: October, 1970

Drill: 4" Auger

0 m. - 0.6 m.	Gravel		
0.6 m. - 2.7 m.	Clay		
2.7 m. - 3.7 m.	Cream Sap.	BR. 79.2	Y. 46%
3.7 m. - 6.4 m.	Cream Sap.		
6.4 m. - 7.3 m.	Cream and white Sap.	78.2	46
7.3 m. - 12.8 m.	Cream and white Sap., slight Fe stains		
12.8 m. - ?	Cream and white Sap., slight Fe stains	81.0	40

Bore No. NT 35

Position: See Plan No. M-A105

Date: October, 1970

Drill: 4" Auger

0 m. - 0.3 m.	Gravel
0.3 m. - 1.8 m.	Clay and gravel
1.8 m. - 6.1 m.	Clay
6.1 m. - 9.1 m.	Brown Sap. or drift
9.1 m. - 12.8 m.	Cream to white Sap., very wet

Bore No. NT 36

Position: See Plan No. M-A105

Date: October, 1970

Drill: 4" Auger

0 m. - 0.6 m.	Gravel		
0.6 m. - 2.4 m.	Clay		
2.4 m. - 5.5 m.	Clay and drift		
5.5 m. - 8.2 m.	Cream to white Sap., wet	Br. 78.5	Y. 33%
8.2 m. - 11.0 m.	Cream to white Sap.	77.0	27
11.0 m. - 12.8 m.	Cream to white Sap.	73.7	29

051

Bore No. NT 37

Position: See Plan No. M-A105

Date: October, 1970

Drill: 4" Auger

0 m. - 0.3 m.	Soil		
0.3 m. - 1.8 m.	Clay		
1.8 m. - 7.3 m.	Brown Sap. or drift		
7.3 m. - 10.1 m.	Cream to green Sap., slight Fe stains	Br. 65.0	Y. 27%
10.1 m.	Hard bottom		

Bore No. NT 38

Position: See Plan No. M-A105

Date: October, 1970

Drill: 4" Auger

0 m. - 0.3 m.	Soil		
0.3 m. - 1.8 m.	Clay		
1.8 m. - 3.7 m.	Clay and drift		
3.7 m. - 9.1 m.	Brown drift		
9.1 m. - 12.8 m.	Cream to green drift		
12.8 m.	Deep green		

Bore No. NT 39

Position: See Plan No. M-A105

Date: October, 1970

Drill: 4" Auger

0 m. - 0.6 m.	Gravel		
0.6 m. - 2.4 m.	Clay		
2.4 m. - 6.1 m.	Fine drift		
6.1 m. - 8.8 m.	Cream Sap.	Br. 72.6	Y. 38%
8.8 m. - 12.8 m.	White to cream Sap.	71.7	33
12.8 m. - ?	White to cream Sap., slight Fe stains	79.3	29

052

Bore No. NT 40

Position: See Plan No. M-A105

Date: October, 1970

Drill: 4" Auger

0 m. - 0.3 m.	Soil		
0.3 m. - 1.2 m.	Clay		
1.2 m. - 6.4 m.	Black gritty clay		
6.4 m. - 8.2 m.	Clay and drift		
8.2 m. - 9.1 m.	Pale brown Sap.	Br. 70.0	Y. 39%
9.1 m. - 12.8 m.	White to cream Sap.	73.0	39

Bore No. NT 41

Position: See Plan No. M-A105

Date: October, 1970

Drill: 4" Auger

0 m. - 0.3 m. Soil
 0.3 m. - 1.2 m. Clay
 1.2 m. - 4.6 m. Drift
 4.6 m. - 12.8 m. Drift,? Sap. towards bottom, very wet

Bore No. NT 42

Position: See Plan No. M-A105

Date: October, 1970

Drill: 4" Auger

0 m. - 1.8 m. Gravel
 1.8 m. - 12.8 m. Drift, very wet

Bore No. NT 43

Position: See Plan No. M-A105

Date: October, 1970

Drill: 4" Auger

0 m. - 1.8 m. Gravel
 1.8 m. - 12.8 m. Drift, very wet

053

Bore No. NT 44

Position: See Plan No. M-A105

Date: October, 1970

Drill: 4" Auger

0 m. - 1.8 m.	Gravel		
1.8 m. - 5.5 m.	Drift		
5.5 m. - 9.1 m.	Brown drift		
9.1 m. - 10.1 m.	Cream Sap., some brown	Br. 73.0	Y. 39%
10.1 m. - 11.0 m.	Cream Sap., some brown	70.0	39
11.0 m. - 11.9 m.	Cream Sap., some brown	70.5	38
11.9 m. - 12.8 m.	Cream Sap.	80.2	41
12.8 m. - ?	Cream Sap.	80.4	34

Bore No. NT 45

Position: See Plan No. M-A105

Date: October, 1970

Drill: 4" Auger

0 m. - 0.9 m.	Gravel		
0.9 m. - 1.8 m.	Clay and gravel		
1.8 m. - 4.6 m.	Clay and gravel		
4.6 m. - 6.4 m.	White Sap., wet	Br. 80.2	Y. 41%
6.4 m. - 8.2 m.	White Sap., wet	80.4	34
8.2 m. - 10.1 m.	White Sap., wet	79.5	36
10.1 m. - 12.8 m.	White Sap., dry	80.0	47
12.8 m. - ?	White Sap., dry	81.0	35

Bore No. NT 46

Position: See Plan No. M-A105

Date: October, 1970

Drill: 4" Auger

0 m. - 0.9 m.	Gravel		
0.9 m. - 3.7 m.	Clay and gravel		
3.7 m. - 4.6 m.	Pale brown Sap.		
4.6 m. - 12.8 m.	White Sap.		
12.8 m. - ?	White Sap.	Br. 81.0	Y. 29%

Bore No. NT 47

Position: See Plan No. M-A105
Date: October, 1970
Drill: 4" Auger

0 m. - 1.8 m. Gravel
1.8 m. - 4.6 m. Clay and gravel
4.6 m. - 12.8 m. White Sap.

Bore No. NT 48

Position: See Plan No. M-A105
Date: October, 1970
Drill: 4" Auger

0 m. - 1.8 m. Gravel
1.8 m. - 2.7 m. Clay and gravel
2.7 m. - 4.6 m. Pale brown Sap.
4.6 m. - 6.4 m. Grey Sap.
6.4 m. - 8.2 m. White Sap.
8.2 m. - 12.8 m. Cream Sap.

Br. 75.9 Y. 40%
81.0 41

Bore No. NT 49

Position: See Plan No. M-A105
Date: October, 1970
Drill: 4" Auger

0 m. - 0.6 m. Gravel
0.6 m. - 1.8 m. Clay and gravel
1.8 m. - 4.6 m. Drift
4.6 m. - 5.5 m. White Sap.
5.5 m. - 7.3 m. White Sap.
7.3 m. - 9.1 m. White Sap.
9.1 m. - 11.0 m. White Sap.
11.0 m. - 12.8 m. White Sap.

Br. 79.6 Y. 54%
77.0 42
79.1 46
77.0 27
77.7 35

055

Bore No. NT 50

Position: See Plan No. M-A105

Date: October, 1970

Drill: 4" Auger

- 0 m. - 1.8 m. Gravel
- 1.8 m. - 2.7 m. Clay and gravel
- 2.7 m. - 8.2 m. Drift
- 8.2 m. Hard bottom

Bore No. NT 51

Position: See Plan No. M-A105

Date: 29-10-70

Drill: 4" Auger

- 0 m. - 1.8 m. Gravel
- 1.8 m. - 10.1 m. Drift
- 10.1 m. - 12.8 m. White Sap., very wet Y. 43%

Bore No. NT 52

Position: See Plan No. M-A105

Date: 29-10-70

Drill: 4" Auger

- 0 m. - 1.8 m. Gravel
- 1.8 m. - 6.4 m. Drift
- 6.4 m. - 12.8 m. Drift or Sap., very wet

Bore No. NT 53

Position: See Plan No. M-A105

Date: November, 1970

Drill: 4" Auger

- 0 m. - 12.8 m. Fine gravel

056

Bore No. NT 54

Position: See Plan No. M-A105
Date: November, 1970
Drill: 4" Auger

0 m. - 4.6 m. White gravel
4.6 m. - 12.8 m. Brown gravel

Bore No. NT 55

Position: See Plan No. M-A105
Date: November, 1970
Drill: 4" Auger

0 m. - 3.7 m. Fine white gravel
3.7 m. - 12.8 m. Brown angular drift

Bore No. NT 56

Position: 340 metres at 140° magnetic from No. 55
Date: November, 1970
Drill: 4" Auger

0 m. - 4.6 m. Gravel
4.6 m. - 12.8 m. Drift

Bore No. NT 57

Position: 100 metres at 122° magnetic from No. 56
Date: November, 1970
Drill: 4" Auger

0 m. - 0.9 m. Clay and gravel
0.9 m. - 4.6 m. Clay and drift
4.6 m. - 12.8 m. Drift with some white clay

Bore No. NT 58

Position: 80 metres at 86° magnetic from No. 57
Date: November, 1970
Drill: 4" Auger

0 m. - 1.8 m. Gravel
1.8 m. - 12.8 m. Drift

057

Bore No. NT 59

Position: See Plan No. M-A105

Date: November, 1970

Drill: 4" Auger

- 0 m. - 1.8 m. Gravel
- 1.8 m. - 7.3 m. Coloured Sap. or drift
- 7.3 m. - 12.8 m. Cream Sap.

Bore No. NT 60

Position: See Plan No. M-A105

Date: November, 1970

Drill: 4" Auger

- 0 m. - 2.7 m. Gravel
- 2.7 m. - 7.3 m. Clay and drift
- 7.3 m. - 12.8 m. Sap. or drift

Bore No. NT 61

Position: See Plan No. M-A105

Date: November, 1970

Drill: 4" Auger

- 0 m. - 1.8 m. Gravel
- 1.8 m. - 4.6 m. Clay
- 4.6 m. - 12.8 m. Black clayey drift

Bore No. NT 62

Position: See Plan No. M-A105

Date: November, 1970

Drill: 4" Auger

- 0 m. - 1.8 m. Gravel
- 1.8 m. - 3.7 m. Brown clay
- 3.7 m. - 6.4 m. White gravelly clay
- 6.4 m. - 11.0 m. Black puggy drift
- 11.0 m. - 12.8 m. Dark clay and gravel

Bore No. NT 63

Position: See Plan No. M-A105
Date: November, 1970
Drill: 4" Auger

0 m. - 0.9 m. Gravel
0.9 m. - 1.8 m. Gravel and drift
1.8 m. - 12.8 m. Drift or Sap., dark colour

Bore No. NT 64

Position: See Plan No. M-A105
Date: November, 1970
Drill: 4" Auger

0 m. - 2.7 m. Gravel
2.7 m. - 12.8 m. Brown Sap. or drift

Bore No. NT 65

Position: See Plan No. M-A105
Date: November, 1970
Drill: 4" Auger

0 m. - 0.9 m. Gravel
0.9 m. - 1.8 m. Pug
1.8 m. - 3.0 m. Pug or hard pan. Hole abandoned

Bore No. NT 66

Position: See Plan No. M-A105
Date: November, 1970
Drill: 4" Auger

0 m. - 0.9 m. Gravel
0.9 m. - 9.1 m. Drift
9.1 m. - 11.9 m. Cream Sap.

059

Bore No. NT 67

Position: See Plan No. M-A105
Date: 11-11-70
Drill: 4" Auger

0 m. - 0.9 m.	Gravel		
0.9 m. - 2.7 m.	Drift		
2.7 m. - 11.9 m.	Cream to green Sap.	Br. 73.7	Y. 30%
11.9 m. - ?	Cream Sap.	72.0	42

Bore No. NT 200

Position: See Plan No. M-A105
Date: 25-10-70
Drill: 5" Churn

0 m. - 0.6 m.	Gravel		
0.6 m. - 2.4 m.	Brown to white Sap.		
2.4 m. - 3.0 m.	White Sap., stained	Br. 82.8	Y. 41%
3.0 m. - 6.1 m.	White Sap.	87.0	42
6.1 m. - 9.1 m.	White Sap.	84.5	37
9.1 m. - 12.2 m.	White Sap.	81.2	34
12.2 m. - 15.2 m.	White Sap.	80.7	23
15.2 m. - 18.3 m.	White Sap.	78.8	24
18.3 m. - 21.3 m.	White Sap.	79.3	15
21.3 m. - 23.5 m.	White Sap.	75.1	15
23.5 m. - 24.4 m.	White Sap., becoming green	76.0	17

Bore No. NT 201

Position: See Plan No. M-A105
Date: 27-10-70
Drill: 5" Churn

0 m. - 0.3 m.	Gravel		
0.3 m. - 1.2 m.	Brown clay		
1.2 m. - 3.0 m.	White Sap., stained	Br. 81.2	Y. 44%
3.0 m. - 6.1 m.	White Sap., green stained	78.2	61
6.1 m. - 7.6 m.	White Sap., pale green stained	78.0	55
7.6 m. - 9.1 m.	White Sap.	82.5	32
9.1 m. - 12.2 m.	White Sap.		
12.2 m. - 12.8 m.	White Sap.	82.0	38
12.8 m. - 13.4 m.	White Sap., heavy Fe stain, wet		

060

Bore No. NT 202

Position: See Plan No. M-A105
 Date: 30-10-70
 Drill: 5" Churn

0 m. - 0.3 m.	Gravel		
0.3 m. - 1.5 m.	Brown clay		
1.5 m. - 3.0 m.	White to brown Sap.	Br. 79.0	Y. 38%
3.0 m. - 4.6 m.	White to brown Sap.	81.2	36
4.6 m. - 6.1 m.	White Sap.	81.0	38
6.1 m. - 7.6 m.	White Sap., brown tinge	81.1	35
7.6 m. - 9.1 m.	White Sap., brown tinge	83.9	36
9.1 m. - 10.7 m.	Cream and white Sap.	85.3	31
10.7 m. - 12.2 m.	White Sap.	81.9	30
12.2 m. - 13.7 m.	White Sap.	81.0	31
13.7 m. - 15.2 m.	White Sap.	80.9	34
15.2 m. - 16.8 m.	White Sap.	81.2	19
16.8 m. - 18.3 m.	White Sap.	83.1	22
18.3 m. - 19.8 m.	White Sap., slight Fe stain	80.0	22
19.8 m. - 21.3 m.	White Sap.	81.0	21
21.3 m. - 22.9 m.	White Sap.	82.3	24
22.9 m. - 24.4 m.	White Sap., slight yellowing	79.9	25
24.4 m. - 25.9 m.	Cream and white Sap.	80.0	22
25.9 m. - 27.4 m.	Coarse white Sap., yellow stains	80.8	19
27.4 m. - 29.0 m.	Coarse white Sap., brown stains		

Bore No. NT 203

Position: See Plan No. M-A105
 Date: 1-11-70
 Drill: 5" Churn

0 m. - 1.2 m.	Gravel		
1.2 m. - 1.8 m.	Hard pan		
1.8 m. - 3.0 m.	Brown Sap.		
3.0 m. - 4.6 m.	Brown Sap.	Br. 69.6	Y. 32%
4.6 m. - 6.1 m.	Pale brown Sap.	76.5	38
6.1 m. - 7.6 m.	White to brown Sap.	79.0	36
7.6 m. - 9.1 m.	Cream and white Sap.	82.5	34
9.1 m. - 10.7 m.	White Sap.	80.0	33
10.7 m. - 12.2 m.	White Sap.	78.5	28

061

Bore No. NT 203 contd.

12.2 m. - 13.7 m.	White Sap.	Br. 78.0	Y. 25%
13.7 m. - 15.2 m.	White Sap.	78.7	26
15.2 m. - 16.8 m.	Cream and white Sap.	80.9	24
16.8 m. - 18.3 m.	Cream and white Sap.	78.7	23
18.3 m. - 19.8 m.	Cream and white Sap.	79.0	23
19.8 m. - 21.3 m.	Cream and white Sap.	79.0	23
21.3 m. - 22.9 m.	Green to white Sap.		

Bore No. NT 204

Position: See Plan No. M-A105

Date: 5-11-70

Drill: 5" Churn

- 0 m. - 0.9 m. Gravel
- 0.9 m. - 1.2 m. Hard pan
- 1.2 m. - 7.6 m. Dark brown Sap.
- 7.6 m. - 9.1 m. Grey to white Sap.
- 9.1 m. - 12.2 m. Green Sap.

Bore No. NT 205

Position: See Plan No. M-A105

Date: 6-11-70

Drill: 5" Churn

0 m. - 0.6 m.	Gravel		
0.6 m. - 0.9 m.	Hard pan		
0.9 m. - 1.8 m.	Brown Sap.		
1.8 m. - 3.0 m.	Brown and white Sap.		
3.0 m. - 4.6 m.	White and Fe stained Sap.	Br. 80.8	Y. 42%
4.6 m. - 6.1 m.	White Sap., heavy Fe stain	71.5	40
6.1 m. - 7.6 m.	White Sap., slight Fe stain	83.3	24
7.6 m. - 9.1 m.	White Sap.	84.6	26
9.1 m. - 10.7 m.	White Sap.	84.0	23
10.7 m. - 12.2 m.	White Sap.	82.8	22
12.2 m. - 13.7 m.	White Sap.	81.8	18
13.7 m. - 15.2 m.	White Sap.	81.1	17
15.2 m. - 16.8 m.	White Sap.	80.7	17
16.8 m. - 18.3 m.	White Sap., some hard felspar	78.8	20
18.3 m. - 19.8 m.	White Sap., some hard felspar	79.2	19
19.8 m.	Hard bottom		

Bore No. NT 206

Position: See Plan No. M-A105
Date: 7-11-70
Drill: 5" Churn

0 m. - 0.6 m.	Gravel		
0.6 m. - 4.6 m.	Dark brown clay		
4.6 m. - 7.6 m.	Light brown clay		
7.6 m. - 9.1 m.	Yellow Sap.	Br. 80.0	Y. 20%
9.1 m. - 10.7 m.	Yellow and white Sap.	74.5	27
10.7 m. - 12.2 m.	Yellow Sap.	77.3	23
12.2 m. - 13.7 m.	Yellow Sap.	74.0	17
13.7 m. - 15.2 m.	Grey to green Sap.	71.8	17
15.2 m. - 16.8 m.	Grey to green Sap.	72.8	20
16.8 m. - 18.3 m.	Green Sap.		

Bore No. NT 207

Position: See Plan No. M-A105
Date: 9-11-70
Drill: 5" Churn - Water at 5 m.

0 m. - 1.8 m.	Gravel		
1.8 m. - 5.2 m.	Brown drift		
5.2 m. - 6.1 m.	White and brown Sap.	Br. 74.0	Y. 19%
6.1 m. - 7.6 m.	Yellow Sap.	75.3	48
7.6 m. - 9.1 m.	Yellow Sap.		
9.1 m. - 13.1 m.	Yellow to green Sap.		

Bore No. NT 208

Position: See Plan No. M-A105
Date: 10-11-70
Drill: 5" Churn - Water at 11 m.

0 m. - 0.6 m.	Gravel		
0.6 m. - 0.9 m.	Hard pan		
0.9 m. - 1.8 m.	Brown clay		
1.8 m. - 3.4 m.	White drift		
3.4 m. - 7.3 m.	Brown and white drift with pebbles		
7.3 m. - 9.1 m.	Cream and white Sap.	Br. 72.5	Y. 42%
9.1 m. - 10.7 m.	Cream and white Sap.	81.0	42

Bore No. NT 208 contd.

10.7 m. - 12.2 m.	Cream and white Sap.	Br. 81.0	Y. 44%
12.2 m. - 13.7 m.	Yellow and white Sap.	81.4	38
13.8 m. - 18.3 m.	Brown to green Sap.		

Bore No. NT 209

Position: See Plan No. M-A105

Date: 11-11-70

Drill: 5" Churn

0 m. - 0.6 m.	Gravel
0.6 m. - 2.4 m.	Hard pan
2.4 m. - 4.0 m.	Wet gravel
4.0 m.	Hard bottom

Bore No. NT 210

Position: See Plan No. M-A105

Date: 12-11-70

Drill: 5" Churn - Water at 2 m.

0 m. - 2.1 m.	Gravel		
2.1 m. - 3.0 m.	Wet gravel		
3.0 m. - 3.7 m.	Brown clay		
3.7 m. - 4.9 m.	White drift		
4.9 m. - 5.2 m.	Brown drift with pebbles		
5.2 m. - 6.7 m.	White and stained Sap.	Br. 76.6	Y. 37%
6.7 m. - 14.3 m.	Brown Sap.		
14.3 m. - 19.2 m.			

Bore No. NT 211

Position: See Plan No. M-A105

Date: 12-11-70

Drill: 5" Churn - Water at 3 m.

0 m. - 3.5 m.	Gravel		
3.5 m. - 4.6 m.	Brown Sap.		
4.6 m. - 6.1 m.	Cream and white Sap.	Br. 81.0	Y. 46%
6.1 m. - 7.6 m.	Cream and white Sap., red flecks	80.4	35
7.6 m. - 9.1 m.	Yellow and white Sap., red flecks	75.9	30
9.1 m. - 10.7 m.	Cream Sap., trace of green	78.0	30
10.7 m. - 12.2 m.	Yellow to green Sap.		
12.2 m. - 15.2 m.	Green and white Sap.		

063

064

Bore No. NT 212

Position: See Plan No. M-A105
Date: 13-11-70
Drill: 5" Churn - Water at 4 m.

0 m. - 0.6 m.	Gravel		
0.6 m. - 2.1 m.	Brown drift		
2.1 m. - 3.0 m.	Brown and white Sap.		
3.0 m. - 4.6 m.	Cream Sap., few red flecks	Br. 80.0	Y. 37%
4.6 m. - 6.1 m.	White Sap.	83.2	40
6.1 m. - 7.6 m.	White Sap., few brown stains	82.0	47
7.6 m. - 9.1 m.	White Sap., brown stains increasing	78.1	35
9.1 m. - 10.7 m.	White Sap., heavy brown stains	66.6	39
10.7 m. - 14.3 m.	Brown to green Sap.		

Bore No. NT 213

Position: See Plan No. M-A105
Date: 16-11-70
Drill: 5" Churn - Water at 8 m.

0 m. - 1.2 m.	Gravel		
1.2 m. - 3.0 m.	Brown drift		
3.0 m. - 4.6 m.	Cream Sap., some Fe stain	Br. 80.5	Y. 39%
4.6 m. - 6.1 m.	Cream Sap., some Fe stain	81.8	29
6.1 m. - 7.6 m.	Cream Sap., some Fe stain	82.0	26
7.6 m. - 9.1 m.	White Sap.	82.6	28
9.1 m. - 10.7 m.	White Sap.	81.8	29
10.7 m. - 12.2 m.	White Sap.	83.2	29
12.2 m. - 13.1 m.	White Sap.		
13.1 m. - 13.7 m.	Pale green Sap.		
13.7 m. - 16.8 m.	Green, yellow and white Sap.		

Bore No. NT 214

Position: See Plan No. M-A105

Date: 18-11-70

Drill: 5" Churn

0 m. - 0.9 m.	Gravel		
0.9 m. - 1.2 m.	Hard pan		
1.2 m. - 4.9 m.	Brown drift		
4.9 m. - 6.1 m.	Cream Sap., some Fe stains	Br. 80.0	Y. 33%
6.1 m. - 7.6 m.	Cream Sap., some Fe stains	83.8	36
7.6 m. - 9.1 m.	White Sap.	83.2	36
9.1 m. - 10.7 m.	White Sap.	84.5	30
10.7 m. - 12.2 m.	White Sap.	82.0	31
12.2 m. - 13.7 m.	Cream Sap.	81.5	22
13.7 m. - 15.2 m.	Cream Sap., some hard feldspars	81.0	27
15.2 m. - 16.8 m.	Cream to pale green Sap., some hard feldspars	80.8	23
16.8 m. - 18.3 m.	Cream to pale green Sap., some hard feldspars	80.2	22
18.3 m. - 19.2 m.	Cream and white to green Sap.		

Bore No. NT 215

Position: See Plan No. M-A105

Date: 19-11-70

Drill: 5" Churn

0 m. - 1.8 m.	Brown drift		
1.8 m. - 3.0 m.	Surface stained Sap.	Br. 71.6	Y. 43%
3.0 m. - 4.6 m.	Surface stained Sap.	78.1	42
4.6 m. - 6.1 m.	Cream and white Sap.	79.7	38
6.1 m. - 7.6 m.	Cream and white Sap.	82.8	36
7.6 m. - 9.1 m.	Cream and white Sap., some fine hard feldspars	82.5	33
9.1 m. - 10.7 m.	Cream and white Sap., some fine hard feldspars	83.7	27
10.7 m. - 12.2 m.	Cream and white Sap., some fine hard feldspars	82.3	25
12.2 m. - 13.7 m.	Cream and white Sap., some fine hard feldspars	79.9	20
13.7 m. - 15.2 m.	Cream and white Sap., hard feldspars, green tint	82.0	24
15.2 m. - 16.8 m.	Cream and white to green Sap.		

066

Bore No. NT 216

Position: See Plan No. M-A105

Date: 19-11-70

Drill: 5" Churn

0 m. - 2.4 m.	Brown drift		
2.4 m. - 4.6 m.	White and cream Sap., brown and yellow stains	Br. 80.8	Y. 43%
4.6 m. - 6.1 m.	White and cream Sap., some fine hard white feldspars	84.4	32
6.1 m. - 10.7 m.	White and cream Sap., some fine hard white feldspars, prominent yellow Fe stains	80.5	25
10.7 m. - 12.2 m.	Cream Sap., hard feldspars, Fe stains, wet	78.2	19
12.2 m. - 14.3 m.	Light to brown Sap.		
14.3 m. - 16.8 m.	Dark brown to green Sap.		

Bore No. NT 217

Position: See Plan No. M-A105

Date: 20-11-70

Drill: 5" Churn

0 m. - 1.2 m.	Brown clay		
1.2 m. - 4.9 m.	Gravelly clay		
4.9 m. - 6.1 m.	Cream to white Sap.	Br. 84.3	Y. 30%
6.1 m. - 7.6 m.	Cream Sap., small white and yellow areas	84.1	32
7.6 m. - 9.1 m.	Cream Sap., small white and yellow areas	85.4	32
9.1 m. - 10.7 m.	Cream Sap., small white and yellow areas	83.0	32
10.7 m. - 12.2 m.	Cream Sap., with some fine mica and hard feldspars	82.0	31
12.2 m. - 13.7 m.	Cream Sap., with some fine mica and hard feldspars	81.2	25
13.7 m. - 15.2 m.	Cream Sap., with some fine mica and hard feldspars	79.8	27
15.2 m. - 16.8 m.	Cream Sap., with some fine mica and hard feldspars	81.0	26
16.8 m. - 18.0 m.	Green Sap.		
18.0 m.	Hard bottom		

Bore No. NT 218

Position: See Plan No. M-A105
Date: 21-11-70
Drill: 5" Churn

0 m. - 1.5 m.	Grey soil and gravel		
1.5 m. - 4.6 m.	Red and grey clay and gravel		
4.6 m. - 7.6 m.	White Sap. with patches of yellow stain	Br. 75.2	Y. 40%
7.6 m. - 9.1 m.	Cream to white Sap. with some fine mica	75.9	35
9.1 m. - 10.7 m.	Cream to white Sap. with some fine mica	81.7	31
10.7 m. - 12.2 m.	Cream to white Sap. with some fine mica	80.0	32
12.2 m. - 13.7 m.	Cream and white Sap.	82.0	34
13.7 m. - 15.2 m.	Cream and white Sap.	78.5	39
15.2 m. - 16.8 m.	Cream and white Sap., hard felpars	79.3	31
16.8 m. - 18.3 m.	Yellow Sap., hard felpars	79.5	31
18.3 m. - 19.8 m.	Green, red and white Sap.		

Bore No. NT 219

Position: See Plan No. M-A105
Date: 23-11-70
Drill: 5" Churn - Water at 12 m.

0 m. - 1.8 m.	Gravel		
1.8 m. - 3.0 m.	Hard pan		
3.0 m. - 9.8 m.	Brown drift		
9.8 m. - 10.7 m.	White Sap., some staining	Br. 82.0	Y. 40%
10.7 m. - 12.2 m.	White Sap., patches of Fe stain	72.1	37
12.2 m. - 13.1 m.	White and cream Sap., some Fe stain	78.2	33
13.1 m. - ?	Bore should have continued		

068

Bore No. NT 220

Position: See Plan No. M-A105

Date: 24-11-70

Drill: 5" Churn - Water at 9 m.

0 m. - 0.6 m.	Gravel		
0.6 m. - 1.5 m.	Hard pan		
1.5 m. - 4.9 m.	Brown and white clay		
4.9 m. - 6.1 m.	Cream and white Sap., some fine mica, stained	Br. 74.0	Y. 38%
6.1 m. - 7.6 m.	Cream and white Sap., some fine mica, less stained	80.2	37
7.6 m. - 9.1 m.	White Sap.	82.2	37
9.1 m. - 10.7 m.	White Sap.	83.1	34
10.7 m. - 12.2 m.	Cream and white Sap.	82.5	33
12.2 m. - 13.7 m.	Cream and white Sap., sparse yellow patches	80.9	36
13.7 m. - 15.2 m.	Cream, yellow and white Sap., hard feldspars	79.4	34
15.2 m. - 15.9 m.	Cream, yellow and white Sap., hard feldspars	80.0	38
15.9 m. - 16.8 m.	Yellow Sap.		

Bore No. NT 221

Position: See Plan No. M-A105

Date: 25-11-70

Drill: 5" Churn

0 m. - 0.6 m.	Gravel		
0.6 m. - 1.2 m.	Hard pan		
1.2 m. - 3.0 m.	Brown and white drift		
3.0 m. - 4.6 m.	Pale brown and white Sap. or drift	Br. 70.6	Y. 31%
4.6 m. - 6.1 m.	White and stained Sap.	79.1	32
6.1 m. - 7.6 m.	Cream and white Sap., some fine mica	83.0	22
7.6 m. - 9.1 m.	White and cream Sap.	82.4	32
9.1 m. - 10.7 m.	White and cream Sap.	83.4	25
10.7 m. - 12.2 m.	White and cream Sap., some yellow	82.7	27
12.2 m. - 15.2 m.	Yellow Sap., then brown		

069

Bore No. NT 222

Position: See Plan No. M-A105

Date: 26-11-70

Drill: 5" Churn

- 0 m. - 0.6 m. Gravel
- 0.6 m. - 0.9 m. Hard pan
- 0.9 m. - 7.9 m. Brown drift
- 7.9 m. - 13.1 m. Brown Sap.

Bore No. NT 223

Position: See Plan No. M-A105

Date: 26-11-70

Drill: 5" Churn - Water at 12 m.

- 0 m. - 1.2 m. Gravel
- 1.2 m. - 7.6 m. Brown drift
- 7.6 m. - 9.1 m. Brown to white Sap. Br. 73.1 Y. 30%
- 9.1 m. - 10.7 m. Cream Sap., sparse red flecks,
fine mica 76.9 35
- 10.7 m. - 12.2 m. Brown Sap.

Bore No. NT 224

Position: See Plan No. M-A105

Date: 27-11-70

Drill: 5" Churn - Water 2 m.

- 0 m. - 1.5 m. Gravel
- 1.5 m. - 3.4 m. Grey, gravelly clay Br. 68.8 Y. 19%
minus 7 microns
- 3.4 m. - 6.1 m. Cream and white Sap. 79.5 20
minus 20 microns
- 80.4 12
minus 7 microns
- 6.1 m. - 10.7 m. Cream and white Sap., some green 79.9 15
minus 7 microns

070

Bore No. NT 225

Position: See Plan No. M-A105
Date: 29-11-70
Drill: 5" Churn

0 m. - 1.8 m.	Gravel		
1.8 m. - 3.4 m.	Brown clay		
3.4 m. - 6.1 m.	Cream and white Sap., stained	Br. 77.9	Y. 32%
		minus 20 microns	
		77.1	19
		minus 7 microns	
6.1 m. - 10.7 m.	Cream and white Sap., some hard felpars	82.0	18
		minus 7 microns	
10.7 m. - 12.2 m.	Yellow and white Sap., some hard felpars	78.1	20
		minus 20 microns	
		79.0	12
		minus 7 microns	
12.2 m. - 13.7 m.	Yellow Sap., some hard felpars		
13.7 m. - 15.2 m.	Brown to green Sap.		

Bore No. NT 226

Position: See Plan No. M-A105
Date: 30-11-70
Drill: 5" Churn - Water at 8 m.

0 m. - 0.6 m.	Gravel		
0.6 m. - 2.4 m.	Brown clay		
2.4 m. - 4.6 m.	Pale brown Sap., some fine mica	Br. 80.0	Y. 22%
		minus 7 microns	
4.6 m. - 7.6 m.	Cream and white Sap., some fine mica	81.8	18
		minus 7 microns	
		79.9	27
		minus 20 microns	
7.6 m. - 9.1 m.	Pale brown Sap., some white felpars	76.8	14
		minus 7 microns	
9.1 m. - 10.7 m.	Brown and white Sap.		

071

Bore No. NT 227

Position: See Plan No. M-A105
Date: 2-12-70
Drill: 5" Churn

0 m. - 0.6 m. Gravel
0.6 m. - 0.9 m. Hard pan
0.9 m. - 8.5 m. Brown clay, green and red patches

Bore No. NT 228

Position: See Plan No. M-A105
Date: 2-12-70
Drill: 5" Churn - Water at 9 m.

0 m. - 0.6 m.	Gravel		
0.6 m. - 0.9 m.	Hard pan		
0.9 m. - 3.7 m.	Brown and white drift with pebbles		
3.7 m. - 9.1 m.	Light yellow Sap.	Br. 78.4	Y. 28%)
		minus 7 microns)
		78.7	38
		minus 20 microns)
9.1 m. - 13.7 m.	Bright yellow Sap.	78.1	29
		minus 7 microns)
13.7 m. - 18.3 m.	White Sap.	83.1	19)
		minus 7 microns)
		81.9	29
		minus 20 microns)
18.3 m. - 21.3 m.	Cream to yellow Sap.		

Bore No. NT 229

Position: See Plan No. M-A105
Date: 3-12-70
Drill: 5" Churn

0 m. - 0.6 m.	Gravel		
0.6 m. - 0.9 m.	Hard pan		
0.9 m. - 3.4 m.	Brown drift		
3.4 m. - 7.6 m.	Cream and white Sap., stained	Br. 75.5	Y. 33.1%)
7.6 m. - 12.2 m.	Cream and white Sap.	80.0	22.9
12.2 m. - 16.8 m.	Cream and white Sap., slight Fe flecks	84.0	18.4
16.8 m. - 21.3 m.	White Sap. with some hard felspars	79.0	19.5
21.3 m. - 27.4 m.	Yellow and white Sap.		

072

909074

Bore No. NT 230

Position: NT Grid 6'S 97'W
Date: 4-12-70
Drill: 5" Churn - Water at 9 m.

0 m. - 0.6 m.	Gravel		
0.6 m. - 0.9 m.	Hard pan		
0.9 m. - 6.7 m.	Brown drift		
6.7 m. - 9.1 m.	Brown and white Sap.		
9.1 m. - 10.7 m.	Cream Sap., some Fe stain	Br. 81.4	Y. 33%
10.7 m. - 15.2 m.	White Sap.	85.3	26
15.2 m. - 19.8 m.	White Sap., some Fe stain	83.1	24
19.8 m. - 25.9 m.	Cream and white Sap., some Fe stain, hard felspars.	79.3	20
9.1 m. - 24.4 m.	Bulk sample to U.S.A.		

Bore No. NT 231

Position: NT Grid 3'N 395'W
Date: 4-12-70
Drill: 5" Churn

0 m. - 1.2 m.	Black gravel		
1.2 m. - 4.0 m.	Brown gravel		
4.0 m. - 4.6 m.	Brown and white Sap.		
4.6 m. - 9.1 m.	Cream and white Sap., 50% stained	Br. 77.0	Y. 21.9%
9.1 m. - 15.2 m.	White Sap.	80.0	19.5
15.2 m. - 16.4 m.	White Sap.	80.5	15.3
16.4 m. - 18.3 m.	Yellow Sap.		

Bore No. NT 232

Position: NT Grid 3'S 479'W
Date: 6-12-70
Drill: 5" Churn

0 m. - 0.9 m.	Brown clay		
0.9 m. - 1.2 m.	Black clay		
1.2 m. - 3.7 m.	Grey to white clay		
3.7 m. - 7.6 m.	Cream and white Sap., stained	Br. 72.1	Y. 28%
7.6 m. - 13.4 m.	White Sap.		
13.4 m. - 16.5 m.	Yellow Sap.		

073

909075

Bore No. NT 233

Position: NT Grid 18'S 750'W
Date: 8-12-70
Drill: 5" Churn - Water at 1.5 m.

0 m. - 3.7 m.	Brown drift		
3.7 m. - 6.1 m.	Cream to yellow Sap.	Br. 77.8	Y. 20%
6.1 m. - 9.1 m.	White Sap.	82.5	16
9.1 m. - 12.2 m.	Cream Sap., green tint	81.8	16
12.2 m. - 15.2 m.	Green and white Sap.		
3.7 m. - 12.2 m.	Bulk Sample to U.S.A.		

Bore No. NT 234

Position: NT Grid 000 3'E
Date: 9-12-70
Drill: 5" Churn - Water at 11 m.

0 m. - 0.6 m.	Gravel		
0.6 m. - 3.0 m.	Brown drift		
3.0 m. - 4.6 m.	Off-white drift		
4.6 m. - 8.2 m.	Brown drift		
8.2 m. - 12.2 m.	Off-white drift with pebbles		
12.2 m. - 16.8 m.	Cream and white Sap. with fine mica	Br. 82.1	Y. 20%
16.8 m. - 21.3 m.	Cream and white Sap. with fine mica	84.0	25
21.3 m. - 25.9 m.	Cream and white Sap. with fine mica	84.0	20
25.9 m. - 29.3 m.	Cream and white Sap. with fine mica	82.6	20
29.3 m. - 30.5 m.	Yellow Sap.		
12.2 m. - 29.3 m.	Bulk sample to U.S.A.		

Bore No. NT 235

Position: NT Grid 000 851'W
Date: 9-12-70
Drill: 5" Churn

0 m. - 3.0 m.	Grey sand		
3.0 m. - 3.7 m.	White to green Sap. or drift		
3.7 m. - 4.6 m.	Green Sap. or drift		
4.6 m. - 7.9 m.	Green to brown Sap. or drift		

07A

Bore No. NT 236

Position: NT Grid 000 952'W
Date: 9-12-70
Drill: 5" Churn - Water at 4 m.

- 0 m. - 0.6 m. Black gravel
- 0.6 m. - 1.5 m. Grey gravel
- 1.5 m. - 3.4 m. White to green drift
- 3.4 m. - 4.3 m. Green drift
- 4.3 m. - 14.3 m. Green to brown Sap. or drift

Bore No. NT 237

Position: NT Grid 14'N 110'E
Date: 12-12-70
Drill: 5" Churn - Water at 8 m.

- 0 m. - 1.2 m. Gravel
- 1.2 m. - 1.5 m. Hard pan
- 1.5 m. - 4.3 m. Brown drift
- 4.3 m. - 6.1 m. White drift
- 6.1 m. - 7.6 m. Dark gravelly drift
- 7.6 m. - 14.0 m. Black gravel and clay
- 14.0 m. - 21.3 m. White Sap., slight Fe stain Br. 83.0 Y. 17%
in last 1.5 m.
- 21.3 m. - 27.4 m. White to Fe yellow Sap. 74.4 18
- 27.4 m. - 30.5 m. Cream Sap. yellowing in last 1.5 m. 78.3 15
- 14.0 m. - 30.5 m. Bulk sample to U.S.A.

Bore No. NT 238

Position: NT Grid 8'N 1050'W
Date: 13-12-70
Drill: 5" Churn - Water at 5 m.

- 0 m. - 1.2 m. Black sand
- 1.2 m. - 4.3 m. White to green kaolinized drift
- 4.3 m. - 15.2 m. Green to brown kaolinized drift

075

909077

Bore No. NT 239

Position: NT Grid 11'N 1150'W
Date: 15-12-70
Drill: 5" Churn - Water at 5 m.

0 m. - 0.6 m. Black sand
0.6 m. - 1.5 m. Brown drift
1.5 m. - 15.2 m. Brown, green and white drift

Bore No. NT 240

Position: NT Grid 000 206'E
Date: 15-12-70
Drill: 5" Churn - Water at 8 m.

0 m. - 1.5 m.	Grey Sand		
1.5 m. - 3.4 m.	Brown sand and clay		
3.4 m. - 4.9 m.	White drift	Br. 78.2	Y. 18%
4.9 m. - 11.0 m.	Brown and black sand		
11.0 m. - 17.1 m.	Grey and white sand		
17.1 m. - 18.6 m.	White Sap., stained	83.0	38
18.6 m. - 22.9 m.	Cream and white Sap.	75.7	20
22.9 m. - 27.4 m.	Yellow Sap.		

Bore No. NT 241

Position: NT Grid 4355'S 1778'E
Date: 13-12-70
Drill: 5" Churn

0 m. - 2.7 m. Grey sand
2.7 m. - 7.6 m. Brown to grey to black sand
7.6 m. - 15.2 m. Grey, white and black drift
15.2 m. - 25.9 m. Grey, cream and green drift

Bore No. NT 242

Position: NT Grid 5'N 310'E
Date: 16-12-70
Drill: 5" Churn - Water at 11 m.

0 m. - 1.8 m. Sand
1.8 m. - 10.7 m. Black and grey drift
10.7 m. - 15.2 m. Off-white drift or Sap.

076

Bore No. NT 242 contd.

15.2 m. - 18.3 m.	Cream Sap.	Br. 81.0	Y. 37%
		minus 20 microns	
			26
		minus 7 microns	
18.3 m. - 21.3 m.	Cream Sap.	83.5	29
		minus 20 microns	
			20
		minus 7 microns	
21.3 m. - 22.9 m.	Cream Sap.	76.0	20.7
		minus 7 microns	
15.2 m. - 22.9 m.	Bulk sample to U.S.A.		

Bore No. NT 243

Position: NT Grid 4355'S 1478'E
 Date: 18-12-70
 Drill: 5" Churn - Water at 3 m.

- 0 m. - 0.6 m. Gravel
- 0.6 m. - 2.4 m. Hard pan
- 2.4 m. - 4.3 m. Grey drift
- 4.3 m. - 7.0 m. Black gravel, wet
- 7.0 m. - 11.9 m. Brown drift
- 11.9 m. - 21.3 m. Off-white drift

Bore No. NT 244

Position: NT Grid 3'N 425'E
 Date: 16-12-70
 Drill: 5" Churn

0 m. - 1.5 m.	Sand		
1.5 m. - 1.8 m.	Hard pan		
1.8 m. - 6.1 m.	Brown drift		
6.1 m. - 7.6 m.	White clay		
7.6 m. - 14.0 m.	Brown, black and grey sand		
14.0 m. - 19.8 m.	White Sap., some fine mica	Br. 79.6	Y. 23%
19.8 m. - 22.9 m.	Cream Sap., large quartz, no mica	73.9	24
22.9 m. - 25.9 m.	White Sap., large quartz, no mica	79.5	19
25.9 m. - 30.5 m.	White Sap. with fine mica	80.0	18
18.3 m. - 30.5 m.	Bulk sample to U.S.A.		

077

Bore No. NT 245

Position: NT Grid 9'N 552'E
Date: 22-12-70
Drill: 5" Churn - Water at 7 m.

0 m. - 4.3 m.	Sand		
4.3 m. - 11.6 m.	Brown and white drift		
11.6 m. - 15.2 m.	White clay		
15.2 m. - 16.8 m.	Cream clay, some fine mica and large quartz	Br. 81.5	Y. 15%
16.8 m. - 21.3 m.	Cream and white Sap. or drift	82.7	27
21.3 m. - 26.5 m.	Cream to white Sap.	81.6	34
16.8 m. - 26.5 m.	Bulk sample to U.S.A.		

Bore No. NT 246

Position: NT Grid 7'N 680'E
Date: 23-12-70
Drill: 5" Churn

0 m. - 3.0 m.	Sand		
3.0 m. - 11.6 m.	Bands of brown drift and black gravel		
11.6 m. - 12.2 m.	Coloured drift		
12.2 m. - 16.8 m.	White drift with fine mica	Br. 82.0	Y. 16.7%
16.8 m. - 21.3 m.	White drift or Sap.	84.5	17.5
21.3 m. - 25.9 m.	White Sap. with large quartz	80.0	21.5
25.9 m. - 30.5 m.	White Sap. with large quartz	82.0	16.1
15.2 m. - 30.5 m.	Bulk sample to U.S.A.		

Bore No. NT 247

Position: NT Grid 7'N 782'E
Date: 12-1-71
Drill: 5" Churn

0 m. - 2.7 m.	Sand		
2.7 m. - 7.9 m.	Brown drift		
7.9 m. - 9.1 m.	Black gravel, wet		
9.1 m. - 12.2 m.	Grey drift		
12.2 m. - 15.2 m.	White drift with clay pellets	Br. 83.0	Y. 32.4%
15.2 m. - 18.3 m.	White drift, clay pellets and fine mica	81.8	34.3

078

Bore No. NT 247 contd.

18.3 m. - 21.3 m.	White Sap.	Br. 79.5	Y. 22.2%
21.3 m. - 24.4 m.	White Sap.	77.0	18.2
24.4 m. - 27.4 m.	White Sap.	80.0	15.1
27.4 m. - 30.5 m.	White Sap., hard felpars	81.2	14.8
15.2 m. - 30.5 m.	Bulk sample to U.S.A.		

Bore No. NT 248

Position: NT Grid 7'N 882'E
 Date: 13-1-71
 Drill: 5" Churn - Water at 8 m.

0 m. - 0.9 m.	Gravel		
0.9 m. - 1.2 m.	Hard pan		
1.2 m. - 6.4 m.	Brown clay, bands of black gravel		
6.4 m. - 14.0 m.	Brown and black drift		
14.0 m. - 14.6 m.	Drift with water - worn pebbles		
14.6 m. - 16.8 m.	Drift with fine mica	Br. 79.0	Y. 27.3%
16.8 m. - 19.8 m.	White Sap., faint patches of Fe yellow	78.7	19.4
19.8 m. - 22.9 m.	White Sap.	81.0	23.8
22.9 m. - 25.9 m.	White, slight Fe stain	78.5	22.2
25.9 m. - 30.8 m.	White, slight Fe stain, hard felpars	79.0	18.7
16.8 m. - 30.8 m.	Bulk sample to U.S.A.		

Bore No. NT 249

Position: NT Grid 7'N 981'E
 Date: 15-1-71
 Drill: 5" Churn

0 m. - 1.2 m.	Gravel		
1.2 m. - 1.8 m.	Hard pan		
1.8 m. - 10.1 m.	Brown and white gravelly drift		
10.1 m. - 12.2 m.	White and red drift		
12.2 m. - 13.7 m.	Brown and white gravelly drift		
13.7 - 16.5 m.	Brown clay with water-worn pebbles		
16.5 m. - 18.3 m.	White Sap., Fe stained, fine mica		
18.3 m. - 21.3 m.	Cream and white Sap.	Br. 79.2	Y. 28.6%
21.3 m. - 24.4 m.	Cream and white Sap.	79.2	26.2
24.4 m. - 27.4 m.	Cream and white Sap.	79.2	25.6
27.4 m. - 30.5 m.	Cream and white Sap.	80.0	24.8
16.5 m. - 30.5 m.	Bulk sample to U.S.A.		

079

Bore No. NT 250

Position: NT Grid 7'N 1088'E

Date: 17-1-71

Drill: 5" Churn

- 0 m. - 1.8 m. Gravel and hard pan
- 1.8 m. - 7.3 m. Brown and white bands of drift
- 7.3 m. - 8.2 m. Fine white drift
- 8.2 m. - 12.2 m. Brown and white gravelly drift
- 12.2 m. - 14.3 m. Coarse brown gravel and clay, wet
- 14.3 m. - 17.4 m. Brown drift with lignite
- 17.4 m. - 18.3 m. White clay
- 18.3 m. - 26.5 m. Grey and black sand
- 26.5 m. - 27.4 m. White drift
- 27.4 m. - 29.0 m. Pale brown Sap. with white feldspars
- 29.0 m. - 30.5 m. Pale brown Sap., white feldspars becoming hard

Bore No. NT 251

Position: NT Grid 1000'S 200'E

Date: 20-1-71

Drill: 5" Churn

- 0 m. - 0.6 m. Gravel
- 0.6 m. - 1.2 m. Hard pan
- 1.2 m. - 4.9 m. Brown clay, some pebbles
- 4.9 m. - 5.5 m. Light brown Sap.
- 5.5 m. - 11.3 m. Cream Sap., Fe stained to 8.5 m. Br. 76.6 Y. 30.2%
- 11.3 m. - 12.8 m. Cream Sap., red stain
- 12.8 m. - 18.3 m. Cream and white Sap., coarse quartz 79.0 24.9
- 18.3 m. - 24.4 m. Cream and white Sap., coarse quartz 76.0 19.4
- 24.4 m. - 30.5 m. White Sap., fine quartz 80.1 15.9
- 5.5 m. - 30.5 m. Bulk sample to U.S.A. 11.3 m. - 12.8 m. omitted

Bore No. NT 252

Position: NT Grid 1000'S 300'E

Date: 20-1-71

Drill: 5" Churn - Water at 10 m.

- 0 m. - 0.6 m. Gravel
- 0.6 m. - 0.9 m. Hard pan

Bore No. NT 252 contd.

0.9 m. - 3.0 m.	Brown gravelly clay, wet		
3.0 m. - 6.1 m.	Brown, yellow and red Sap.		
6.1 m. - 10.7 m.	White Sap., some red stain	Br. 87.3	Y. 17.6%
10.7 m. - 16.8 m.	White Sap., some Fe stain		
	10.7 m. - 12.2 m.	84.9	17.7
16.8 m. - 19.5 m.	White Sap., feldspars becoming hard		

Bore No. NT 253

Position: NT Grid 400'S 400'E
 Date: 21-1-71
 Drill: 5" Churn - Water at 8 m.

0 m. - 0.6 m.	Gravel		
0.6 m. - 1.2 m.	Hard pan		
1.2 m. - 3.0 m.	Brown clay		
3.0 m. - 8.5 m.	Cream Sap. or drift, pebbles		
	7.6 m. to 8.5 m.	Br. 76.0	Y. 20.8%
8.5 m. - 13.7 m.	Cream Sap.	77.0	15.9
13.7 m. - 18.3 m.	Cream Sap., few stained patches	74.2	12.8
18.3 m. - 24.4 m.	Cream Sap., stain increasing, hard feldspars	73.7	13.6
24.4 m. - 27.4 m.	Green Sap., hard feldspars		
3.0 m. - 18.3 m.	Bulk sample to U.S.A., included drift but not pebbles		

Bore No. NT 254

Position: NT Grid 400'S 000
 Date: 25-1-71
 Drill: 5" Churn

0 m. - 0.6 m.	Gravel		
0.6 m. - 0.9 m.	Hard pan		
0.9 m. - 3.0 m.	Brown clay		
3.0 m. - 6.1 m.	Off-white Sap., light brown stain		
6.1 m. - 10.7 m.	Off-white Sap.	Br. 83.0	Y. 25.9%
10.7 m. - 15.2 m.	Off-white Sap.	84.0	22.8
15.2 m. - 21.3 m.	Off-white Sap.	83.0	21.4
21.3 m. - 23.8 m.	Green Sap., soft feldspars		
3.0 m. - 21.3 m.	Bulk sample to U.S.A.		

081

909083

Bore No. NT 255

Position: NT Grid 800'S 000
Date: 26-1-71
Drill: 5" Churn - Water at 3 m.

0 m. - 0.6 m.	Gravel		
0.6 m. - 0.9 m.	Hard pan		
0.9 m. - 1.8 m.	White drift		
1.8 m. - 3.0 m.	Dark brown clay		
3.0 m. - 6.1 m.	Light brown gravelly drift, wet		
6.1 m. - 7.6 m.	Off-white drift		
7.6 m. - 10.7 m.	Pale brown Sap.	Br. 71.0	Y. 22.4%
10.7 m. - 15.2 m.	White Sap.	80.5	18.9
15.2 m. - 18.3 m.	White Sap., green tint	80.0	33.8
18.3 m. - 22.3 m.	White Sap., Fe stains increasing		
7.6 m. - 19.8 m.	Bulk sample to U.S.A.		

Bore No. NT 256

Position: NT Grid 400'S 400'W
Date: 26-1-71
Drill: 5" Churn

0 m. - 3.0 m.	Gravel		
0.3 m. - 3.0 m.	Dark brown clay		
3.0 m. - 5.5 m.	Light brown clay		
5.5 m. - 17.7 m.	Green and brown clay		
17.7 m.	Hard bottom		

Bore No. NT 257

Position: NT Grid 1200'S 000
Date: 28-1-71
Drill: 5" Churn

0 m. - 0.6 m.	Gravel		
0.6 m. - 0.9 m.	Hard pan		
0.9 m. - 3.0 m.	Dark brown clay		
3.0 m. - 9.1 m.	Cream Sap., pink stains	Br. 80.0	Y. 32.7%
	3.0 m. - 4.5 m.		
9.1 m. - 15.2 m.	White Sap.	84.0	11.5
15.2 m. - 21.3 m.	White Sap., faint yellow tint	83.5	31.4
21.3 m. - 27.4 m.	White Sap., some hard felspar	84.0	20.7
27.4 m. - 30.5 m.	White Sap.,	83.0	19.3
30.5 m. - 30.5 m.	Bulk sample to U.S.A.		

082

Bore No. NT 258

909084

Position: NT Grid 1600'S 000
Date: 30-1-71
Drill: 5" Churn

0 m. - 0.9 m.	Gravel		
0.9 m. - 1.2 m.	Hard pan		
1.2 m. - 3.0 m.	Hard pan		
3.0 m. - 7.6 m.	White Sap., brown stain	Br. 79.5	Y. 17.9%
	3.0 m. - 4.5 m.		
7.6 m. - 12.2 m.	Off-white Sap.	78.0	16.5
12.2 m. - 18.3 m.	Off-white Sap.	80.0	22.1
18.3 m. - 22.6 m.	Off-white Sap., some hard felspar	79.0	20.7
3.0 m. - 22.6 m.	Bulk sample to U.S.A.		

Bore stopped by non-recoverable tool

Bore No. NT 259

Position: NT Grid 2000'S 000
Date: 3-2-71
Drill: 5" Churn

0 m. - 0.6 m.	Gravel		
0.6 m. - 1.2 m.	Hard pan		
1.2 m. - 6.4 m.	Brown drift		
6.4 m. - 8.2 m.	Brown gravel		
8.2 m. - 20.4 m.	Brown and white drift, pebbles at 20.4 m.		
20.4 m. - 24.1 m.	Brown and white Sap.		
24.1 m. - 27.4 m.	Brown and green Sap., some hard felspars		

Bore No. NT 260

Position: NT Grid 2400'S 000
Date: 4-2-71
Drill: 5" Churn - Water at 9 m.

0 m. - 0.6 m.	Gravel		
0.6 m. - 2.4 m.	Bands of hard pan and gravel		
2.4 m. - 3.7 m.	Brown clay		
3.7 m. - 4.6 m.	Light brown Sap. or drift		
4.6 m. - 10.7 m.	Cream Sap.	Br. 78.0	Y. 19%
10.7 m. - 15.2 m.	White Sap.	84.5	17.4
15.2 m. - 16.8 m.	Cream and white Sap.		
16.8 m. - 18.3 m.	Cream Sap., some hard felspars		

.../79

Bore No. NT 260 contd.

18.3 m. - 19.8 m. Brown Sap., increasing hardness
4.6 m. - 18.3 m. Bulk sample to U.S.A.

Bore No. NT 261

Position: NT Grid 2800'S 000
Date: 5-2-71
Drill: 5" Churn - Water at 4 m.

0 m. - 0.6 m. Gravel
0.6 m. - 2.7 m. Bands of hard pan and gravel
2.7 m. - 4.3 m. Cemented gravel
4.3 m. - 6.1 m. Gravelly drift
6.1 m. - 9.1 m. Off-white drift
9.1 m. - 13.7 m. Brown drift with pebbles
13.7 m. - 18.3 m. Light brown Sap., soft feldspars
18.3 m. - 19.8 m. Brown to green Sap., soft feldspars

Bore No. NT 262

Position: NT Grid 1600'S 400'E
Date: 8-2-71
Drill: 5" Churn - Water at 9 m.

0 m. - 0.9 m. Gravel
0.9 m. - 2.4 m. Bands of hard pan and gravel
2.4 m. - 7.6 m. Mainly gravel, some clay
7.6 m. - 12.2 m. White and brown clay and gravel
12.2 m. - 19.8 m. Light brown drift, some clay Br. 78.0 Y. 21.7%
and pebbles
19.8 m. - 24.4 m. Light brown drift, some orange stain 73.8 24.9
24.4 m. - 30.5 m. Off-white Sap.

Bore No. NT 263

Position: NT Grid 1600'S 800'E
Date: 10-2-71
Drill: 5" Churn - Water at 9 m.

0 m. - 2.4 m. Sand
2.4 m. - 4.6 m. Brown drift
4.6 m. - 10.7 m. Light brown drift
10.7 m. - 12.2 m. Black clay drift

084

Bore No. NT 263 contd.

12.2 m. - 18.9 m.	Black gravelly drift		
18.9 m. - 24.4 m.	Off-white drift, some green, pebbles 19.8 m. - 22.9 m.	Br. 78.9	Y. 11.6%
24.4 m. - 30.5 m.	Off-white Sap.	81.0	16.0

Bore No. NT 264

Position: NT Grid 1600'S 400'W
 Date: 11-2-71
 Drill: 5" Churn - Water at 6 m.

0 m. - 0.3 m.	Gravel		
0.3 m. - 0.6 m.	Hard pan		
0.6 m. - 3.0 m.	Brown clay		
3.0 m. - 3.7 m.	Light brown Sap.		
3.7 m. - 7.6 m.	Light brown and white Sap.	Br. 71.7	Y. 10.6%
7.6 m. - 12.8 m.	Off-white Sap.	81.7	27
12.8 m. - 16.8 m.	Orange Sap.		

Bore No. NT 265

Position: NT Grid 1600'S 800'W
 Date: 11-2-71
 Drill: 5" Churn - Water at 6 m.

0 m. - 4.6 m.	Brown clay		
4.6 m. - 7.6 m.	Grey to green drift, some white clay	Br. 71.7	Y. 10.6%
7.6 m. - 8.5 m.	Grit only recovered		
8.5 m.	Hard brown ? granite		

Bore No. NT 266

Position: NT Grid 1600'S 1200'W
 Date: 12-2-71
 Drill: 5" Churn - Water at 8 m.

0 m. - 11.6 m.	Brown clay
11.6 m. - 11.9 m.	Hard brown granite

Bore No. NT 267

Position: NT Grid 800'S 400'W
Date: 15-2-71
Drill: 5" Churn - Water at 5.5 m.

0 m. - 0.3 m.	Gravel		
0.3 m. - 1.2 m.	Brown clay		
1.2 m. - 4.6 m.	Off-white Sap., Fe stained	Br. 68.0	Y. 28.5%
4.6 m. - 13.7 m.	Off-white Sap.,	81.0	18.3
13.7 m. - 19.8 m.	Off-white Sap.	83.0	14.5
19.8 m. - 21.0 m.	Grey to green Sap. with hard feldspars		
21.0 m. - 24.1 m.	Green Sap., Fe stained		

Bore No. NT 268

Position: NT Grid 800'S 800'W
Date: 15-2-71
Drill: 5" Churn - Water at 4.6 m.

0 m. - 0.3 m.	Gravel		
0.3 m. - 1.5 m.	Brown clay		
1.5 m. - 4.6 m.	Light brown and cream Sap.	Br. 71.5	Y. 33.2%
4.6 m. - 7.6 m.	Cream Sap., green tint, soft feldspars	79.0	32.1
7.6 m. - 12.2 m.	Green colour increasing		

Bore No. NT 269

Position: NT Grid 800'S 800'E
Date: 16-2-71
Drill: 5" Churn - Water at 4.6 m.

0 m. - 0.3 m.	Gravel		
0.3 m. - 1.2 m.	Hard pan		
1.2 m. - 2.4 m.	Light brown clay		
2.4 m. - 4.3 m.	Brown clay		
4.3 m. - 4.6 m.	Brown Sap.		
4.6 m. - 9.1 m.	Light brown to cream Sap., green tint	Br. 74.0	Y. 22.7%
9.1 m. - 13.7 m.	Light brown to cream Sap., more green	71.5	16.8
13.7 m. - 14.0 m.	Light brown to cream Sap., more green, hard feldspars		

086

Bore No. NT 270

909088

Position: NT Grid 800'S 1200'E
Date: 17-2-71
Drill: 5" Churn - Water at 5 m.

0 m. - 0.3 m.	Gravel		
0.3 m. - 0.9 m.	Hard pan		
0.9 m. - 4.6 m.	Brown and white drift		
4.6 m. - 5.8 m.	Gravelly brown clay		
5.8 m. - 12.2 m.	Light brown drift with pebbles	Br. 71.5	Y. 14.6%
12.2 m. - 13.7 m.	Green Sap. with hard feldspars		

Bore No. NT 271

Position: NT Grid 1200'S 400'E
Date: 18-2-81
Drill: 5" Churn - Water at 5 m.

0 m. - 0.6 m.	Gravel		
0.6 m. - 0.9 m.	Hard pan		
0.9 m. - 3.4 m.	Brown clay		
3.4 m. - 4.9 m.	Black gravelly clay, wet		
4.9 m. - 5.5 m.	Off-white clay		
5.5 m. - 14.9 m.	Light brown clay, no quartz	Br. 65.5	Y. 50.0%
14.9 m. - 19.8 m.	Off-white to cream Sap.	77.0	35.8
19.8 m. - 25.0 m.	Off-white to cream Sap., feldspars becoming hard from 22.9 m. to 25.0 m.	79.0	26.9

Bore No. NT 272

Position: NT Grid 2400'S 800'E
Date: 19-2-71
Drill: 5" Churn - Water at 4 m.

0 m. - 1.2 m.	Gravel		
1.2 m. - 2.1 m.	Hard pan		
2.1 m. - 3.7 m.	Brown clay		
3.7 m. - 4.3 m.	Black gravelly clay		
4.3 m. - 6.1 m.	Bands of tight white clay		
6.1 m. - 16.8 m.	Black and brown clay		
16.8 m. - 18.3 m.	Off-white drift		
18.3 m. - 26.5 m.	Cream drift	Br. 79.0	Y. 14.7%

087

909089

Bore No. NT 273

Position: NT Grid 2400'S 400'E

Date: 22-2-71

Drill: 5" Churn - Water at 9 m.

- 0 m. - 2.7 m. Gravel
- 2.7 m. - 7.6 m. Brown drift
- 7.6 m. - 9.1 m. Off-white drift
- 9.1 m. - 12.2 m. Black gravelly drift
- 12.2 m. - 15.9 m. Brown clay, coarse wash 14.6 m. to 15.9 m.
- 15.9 m. - 17.4 m. Green clay

Bore No. NT 274

Position: NT Grid 2400'S 400'W

Date: 22-2-71

Drill: 5" Churn

- 0 m. - 0.6 m. Gravel
- 0.6 m. - 1.5 m. Hard pan
- 1.5 m. - 3.7 m. Brown gravelly clay
- 3.7 m. - 9.8 m. Off-white drift
- 9.8 m. - 13.1 m. Coarse wash
- 13.1 m. - 14.6 m. Grey - green? Sap. with mica, hard felspars

Bore No. NT 275

Position: NT Grid 2400'S 800'W

Date: 23-2-71

Drill: 5" Churn

- 0 m. - 0.9 m. Gravel
- 0.9 m. - 1.2 m. Hard pan
- 1.2 m. - 3.0 m. Brown gravelly clay
- 3.0 m. - 6.1 m. Light brown clay
- 6.1 m. - 9.1 m. Light green clay

088

909090

Bore No. NT 276

Position: NT Grid 2400'S 1200'W
Date: 24-2-71
Drill: 5" Churn

0 m. - 0.3 m.	Gravel		
0.3 m. - 0.9 m.	Hard pan		
0.9 m. - 4.0 m.	Brown clay and wash		
4.0 m. - 7.6 m.	Off-white Sap.	Br. 81.0	Y. 19.3%
7.6 m. - 10.7 m.	Off-white Sap., some hard felspar	83.5	14.7
10.7 m. - 13.7 m.	Off-white Sap., slight green tint, hard felspars	82.0	11.9
13.7 m. - 15.2 m.	Off-white to dark green Sap.		

Bore No. NT 277

Position: NT Grid 3200'S 400'W
Date: 25-2-71
Drill: 5" Churn

0 m. - 1.2 m.	Light brown clay		
1.2 m. - 3.0 m.	Gravel		
3.0 m. - 6.1 m.	Blue-grey clay, wash at base		
6.1 m. - 10.7 m.	Off-white Sap.	Br. 84.0	Y. 22.4%
10.7 m. - 15.2 m.	White Sap.	83.0	21.1
15.2 m. - 19.8 m.	White Sap.	84.0	23.1
19.8 m. - 25.9 m.	White Sap.	84.0	17.5
25.9 m. - 30.5 m.	White Sap., slight orange stain, soft felspars	82.5	13.2

Bore No. NT 278

Position: NT Grid 3200'S 400'E
Date: 2-3-71
Drill: 5" Churn

0 m. - 8.8 m.	No detail available		
8.8 m. - 12.2 m.	Off-white Sap.	Br. 84	Y. 11.8%
12.2 m. - 15.2 m.	Off-white Sap., some hard felspars	82	19.7
15.2 m. - 18.3 m.	Off-white Sap., hard felspars, green tint	79	15.0
18.3 m. - 18.6 m.	Definite green		

Bore No. NT 279

Position: NT Grid 3600'S 800'W
Date: 3-3-71
Drill: 5" Churn - Water at 3 m.

0 m. - 0.6 m.	Gravel		
0.6 m. - 1.2 m.	Hard pan		
1.2 m. - 2.4 m.	Brown drift		
2.4 m. - 4.6 m.	Gravel and wash		
4.6 m. - 9.1 m.	White Sap., green tint	Br. 81.0	Y. 17.7%
9.1 m. - 10.7 m.	Pale brown Sap., green tint, white when dry		
10.7 m. - ?	Definite green		

Bore No. NT 280

Position: NT Grid 5200'S 375'W
Date: 3-3-71
Drill: 5" Churn - Water at 3 m.

0 m. - 1.2 m.	Hard pan		
1.2 m. - 6.1 m.	Cream to pale brown Sap.	Br. 79.0	Y. 28.7%
6.1 m. - 10.7 m.	Cream to white Sap.	81.0	20.7%
10.7 m. - 15.2 m.	Cream to white Sap., hard feldspar at base	82.0	19.4
15.2 m. - 19.8 m.	White Sap., green tint, hard feldspars, fine mica	81.0	16.5
19.8 m. - 21.9 m.	White Sap., green tint, hard feldspars, fine mica		
21.9 m. - ?	Green		
3.0 m. - 15.2 m.	Bulk sample to U.S.A.		

Bore No. NT 281

Position: NT Grid 4800'S 400'W
Date: 8-3-71
Drill: 5" Churn - Water at 1.5 m.

0 m. - 1.5 m.	Black Silt		
1.5 m. - 1.8 m.	Hard pan		
1.8 m. - 6.7 m.	Heavy wash		
6.7 m. - 9.1 m.	White to cream Sap., some fine mica	Br. 79	Y. 11.6%
9.1 m. - 11.6 m.	White Sap., becoming green, some hard feldspars	79	11.2

089

Bore No. NT 282

Position: NT Grid 2000'S 400'W
Date: 8-3-71
Drill: 5" Churn - Water at 3 m.

- 0 m. - 0.6 m. Gravel
- 0.6 m. - 1.2 m. Hard pan
- 1.2 m. - 7.3 m. Brown drift
- 7.3 m. - 9.1 m. Yellow Sap.
- 9.1 m. - 10.7 m. Cream Sap.
- 10.7 m. - 12.2 m. Green Sap.

Bore No. NT 283

Position: NT Grid 2000'S 800'W
Date: 9-3-71
Drill: 5" Churn - Water at 3.6 m.

- 0 m. - 0.6 m. Gravel
- 0.6 m. - 1.2 m. Hard pan
- 1.2 m. - 1.8 m. Brown drift
- 1.8 m. - 3.7 m. Off-white drift
- 3.7 m. - 6.1 m. Light brown drift
- 6.1 m. - 7.3 m. Brown drift
- 7.3 m. - 10.7 m. Brown granite, hard in bottom

Bore No. NT 284

Position: NT Grid 2400'N 000
Date: 9-3-71
Drill: 5" Churn - No water

- 0 m. - 0.6 m. Gravel
- 0.6 m. - 3.7 m. Brown clay
- 3.7 m. - 6.1 m. Green granite

091

Bore No. NT 285

Position: NT Grid 2400'N 200'W

Date: 10-3-71

Drill: 5" Churn - No water

- 0 m. - 0.3 m. Gravel
- 0.3 m. - 1.8 m. Brown drift
- 1.8 m. - 9.1 m. Brown, red and green granite
- 9.1 m. - 10.7 m. Green granite, still soft

Bore No. NT 300

Position: NT Grid 4355'S 1278'E

Date: 23-12-70

Drill: 5" Churn - Water at 3 m.

- 0 m. - 0.6 m. Sand
- 0.6 m. - 0.9 m. Hard pan
- 0.9 m. - 3.0 m. Brown drift
- 3.0 m. - 7.3 m. Black gravel
- 7.3 m. - 9.1 m. Grey drift
- 9.1 m. - 30.5 m. Off-white drift

Bore No. NT 301

Position: NT Grid 4355'S 1078'E

Date: 24-12-70

Drill: 5" Churn - Water at 3.5 m.

- 0 m. - 0.9 m. Sand
- 0.9 m. - 1.5 m. Hard pan
- 1.5 m. - 3.0 m. Grey drift
- 3.0 m. - 7.0 m. Brown drift
- 7.0 m. - 8.2 m. Grey drift
- 8.2 m. - 9.4 m. Brown drift
- 9.4 m. - 16.8 m. Grey drift
- 16.8 m. - 30.5 m. Off-white drift

Bore No. NT 302

Position: NT Grid 4355'S 878'E
 Date: 11-1-71
 Drill: 5" Churn - Water at 3 m.

0 m. - 0.6 m. Sand
 0.6 m. - 1.5 m. Grey drift
 1.5 m. - 7.6 m. Brown drift
 7.6 m. - 15.2 m. Grey drift
 15.2 m. - 27.4 m. Off-white drift
 27.4 m. - 30.5 m. Grey drift

Bore No. NT 303

Position: NT Grid 4355'S 678'E
 Date: 12-1-71
 Drill: 5" Churn - Water at 3 m.

0 m. - 0.6 m. Sand
 0.6 m. - 8.5 m. Brown sand
 8.5 m. - 9.1 m. Grey sand
 9.1 m. - 23.2 m. Off-white drift
 23.2 m. - 23.8 m. Brown drift

Bore No. NT 304

Position: NT Grid 4355'S 478'E
 Date: 14-1-71
 Drill: 5" Churn - Water at 2 m.

0 m. - 3.7 m. Brown drift
 3.7 m. - 6.1 m. Grey drift
 6.1 m. - 15.2 m. Off-white drift
 15.2 m. - 18.3 m. Grey drift
 18.3 m. - 20.1 m. Green drift
 20.1 m. - 30.5 m. Brown to green soft granite

093

Bore No. NT 305

Position: NT Grid 4355'S 234'E
Date: 15-1-71
Drill: 5" Churn - Water at 2 m.

0 m. - 0.6 m. Black sand
0.6 m. - 7.9 m. Brown drift
7.9 m. - 9.1 m. Grey drift
9.1 m. - 10.7 m. Off-white drift
10.7 m. - 11.6 m. Green drift
11.6 m. - 30.5 m. Green and white Sap.

Bore No. NT 306

Position: NT Grid 4355'S 1978'E
Date: 18-1-71
Drill: 5" Churn - Water at 6.5 m.

0 m. - 1.2 m. Grey drift
1.2 m. - 6.1 m. Brown drift
6.1 m. - 9.1 m. Brown to black drift
9.1 m. - 12.5 m. Grey to black drift
12.5 m. - 19.8 m. Grey to brown drift
19.8 m. - 30.5 m. Off-white drift

Bore No. NT 307

Position: NT Grid 4355'S 2178'E
Date: 19-1-71
Drill: 5" Churn - Water at 7 m.

0 m. - 1.5 m. Grey sand
1.5 m. - 11.6 m. Brown drift
11.6 m. - 15.9 m. Black drift
15.9 m. - 30.5 m. Grey drift

Bore No. NT 308

Position: NT Grid 3209'S 652'W
 Date: 20-1-71
 Drill: 5" Churn - Water at 0.6 m.

0 m. - 3.0 m.	Brown drift		
3.0 m. - 4.6 m.	Grey drift		
4.6 m. - 7.6 m.	Cream drift, some pebbles	Br. 72.0	Y. 12.5%
7.6 m. - 12.2 m.	Off-white Sap.	82.0	19.4
12.2 m. - 16.8 m.	Fe stained Sap.		
16.8 m. - 21.3 m.	Brown to green Sap.		
21.3 m.	Hard bottom, ? quartz vein		

Bore No. NT 309

Position: NT Grid 3419'S 454'W
 Date: 21-1-71
 Drill: 5" Churn - Water at 1 m.

0 m. - 0.3 m.	Black soil		
0.3 m. - 3.0 m.	Brown drift		
3.0 m. - 3.9 m.	Grey drift		
3.9 m. - 7.0 m.	Green drift		
7.0 m. - 12.2 m.	Cream Sap.	Br. 79.5	Y. 18.7%
12.2 m. - 18.3 m.	White Sap.	80.0	12.1
18.3 m. - 24.4 m.	White Sap., some hard feldspars	82.6	17.9
24.4 m. - 30.5 m.	White Sap., some hard feldspars, green tint	81.9	15.4
7.0 m. - 30.5 m.	Bulk sample to U.S.A.		

Bore No. NT 310

Position: NT Grid 3200'S 000
 Date: 26-1-71
 Drill: 5" Churn - Water at 2 m.

0 m. - 0.9 m.	Black drift		
0.9 m. - 3.0 m.	Brown drift		
3.0 m. - 5.8 m.	Grey drift		
5.8 m. - 7.0 m.	Brown drift		
7.0 m. - 10.7 m.	White Sap., brown Fe stains	Br. 69.0	Y. 19.9
10.7 m. - 16.8 m.	Cream Sap.	79.5	18.8

Bore No. NT 310 contd.

16.8 m. - 21.3 m.	Cream Sap., orange stains	Br. 76.5	Y. 15.7%
21.3 m. - 25.9 m.	Off-white Sap., some hard feldspars	78.5	13.2
25.9 m. - 30.5 m.	Off-white Sap., some hard feldspars	78.5	11.1
7.0 m. - 30.5 m.	Bulk sample to U.S.A.		

Bore No. NT 311

Position: NT Grid 3600'S 000
Date: 27-1-71
Drill: 5" Churn - Water at 4.5 m.

0 m. - 0.6 m.	Black soil		
0.6 m. - 3.0 m.	Brown drift		
3.0 m. - 9.1 m.	Grey and brown drift		
9.1 m. - 13.7 m.	Cream and white Sap., Fe stained	Br. 72.5	Y. 29.6%
13.7 m. - 15.2 m.	Cream and white Sap., less Fe stain, some green	81.5	27.4
15.2 m. - 16.8 m.	Off-white Sap., slight green, fine mica, hard feldspars	80.0	23.9
16.8 m. - 19.8 m.	Off-white Sap., more green, fine mica, hard feldspars	79.0	20.3
19.8 m. - 24.4 m.	Green Sap.		

Bore No. NT 312

Position: NT Grid 4000'S 000
Date: 28-1-71
Drill: 5" Churn - Water at 4 m.

0 m. - 0.6 m.	Grey sand		
0.6 m. - 1.5 m.	Hard pan		
1.5 m. - 4.9 m.	Brown sand		
4.9 m. - 6.1 m.	Grey drift		
6.1 m. - 10.7 m.	Green drift		
10.7 m. - 13.7 m.	Cream to white Sap.	Br. 80.0	Y. 22.1%
13.7 m. - 18.3 m.	Cream to white Sap., wet, some hard feldspars	79.0	20.7
18.3 m. - 22.9 m.	Cream Sap., some green, more hard feldspar	79.0	14.7
22.9 m. - 24.4 m.	Green Sap.		
9.8 m. - 22.9 m.	Bulk sample to U.S.A.		

Bore No. NT 313

Position: NT Grid 4400'S 000
Date: 29-1-71
Drill: 5" Churn - Water at 1 m.

0 m. - 4.6 m.	Grey sand		
4.6 m. - 7.6 m.	Green drift		
7.6 m. - 10.7 m.	Cream and white Sap., fine mica, faint green	Br. 79.5	Y. 17.9%
10.7 m. - 15.2 m.	Cream and white Sap., fine mica, faint green	78.0	16.5
15.2 m. - 19.8 m.	Green and white to green Sap.		
10.7 m. - 15.2 m.	Bulk sample to U.S.A.		

Bore No. NT 314

Position: NT Grid 1600'N 000
Date: 3-2-71
Drill: 5" Churn - Water at 15 m.

0 m. - 0.6 m.	Grey soil		
0.6 m. - 5.2 m.	Brown drift		
5.2 m. - 9.1 m.	Light brown Sap.	Br. 75.2	Y. 29.5%
9.1 m. - 13.7 m.	White Sap.	86.0	29.5
13.7 m. - 19.8 m.	White Sap., some light brown stain	81.0	22.9
19.8 m. - 24.4 m.	Off-white Sap., some hard feldspars	78.0	18.5
24.4 m. - 29.0 m.	Light brown to green Sap., hard feldspars		
5.2 m. - 22.9 m.	Bulk sample to U.S.A.		

Bore No. NT 315

Position: NT Grid 1200'N 000
Date: 4-2-71
Drill: 5" Churn

0 m. - 0.6 m.	Black soil		
0.6 m. - 2.7 m.	Brown drift		
2.7 m. - 4.0 m.	Off-white to pale brown clay	Br. 79.4	Y. 56.7%
4.0 m. - 9.1 m.	Black and grey drift		
9.1 m. - 15.2 m.	Pale brown Sap., some mica	64.0	21.2
15.2 m. - 19.8 m.	Off-white Sap.	70.0	17.1
19.8 m. - 25.9 m.	Off-white Sap.	77.0	17.1
25.9 m. - 30.5 m.	Off-white Sap., some hard feldspar	78.5	13.2

097

909099

Bore No. NT 316

Position: NT Grid 800'N 000
Date: 8-2-72
Drill: 5" Churn - Water at 11 m.

0 m. - 0.6 m.	Black soil		
0.6 m. - 2.4 m.	Hard pan		
2.4 m. - 4.9 m.	Brown drift		
4.9 m. - 10.7 m.	Black sand		
10.7 m. - 16.8 m.	Grey drift		
16.8 m. - 21.3 m.	Cream drift, some pebbles	Br. 82.2	Y. 16.9%
21.3 m. - 27.4 m.	Cream Sap.	82.5	14.2
27.4 m. - 30.5 m.	Cream Sap., some hard feldspars	82.0	14.2
21.3 m. - 30.5 m.	Bulk sample to U.S.A.		

Bore No. NT 317

Position: NT Grid 400'N 000
Date: 9-2-71
Drill: 5" Churn - Water at 14 m.

0 m. - 1.2 m.	Black sand		
1.2 m. - 7.3 m.	Brown drift		
7.3 m. - 25.9 m.	Bands of grey and brown drift		
25.9 m. - 27.4 m.	Grey ? Sap.		
27.4 m. - 30.5 m.	Pale brown Sap., sharp quartz, some mica	Br. 68.1	Y. 13.3%

Bore No. NT 318

Position: NT Grid 4800'S 000
Date: 10-2-71
Drill: 5" Churn - Water at 3 m.

0 m. - 0.6 m.	Black soil		
0.6 m. - 2.4 m.	Brown drift		
2.4 m. - 3.7 m.	Grey drift		
3.7 m. - 7.6 m.	Green drift		
7.6 m. - 9.4 m.	Green drift or Sap.		
9.4 m. - 19.8 m.	Green to brown drift or Sap.		

Bore No. NT 319

Position: NT Grid 1200'S 400'W
Date: 11-2-71
Drill: 5" Churn - Water at 6 m.

0 m. - 0.6 m.	Black Soil		
0.6 m. - 4.0 m.	Brown soil & drift		
4.0 m. - 9.1 m.	Pale brown to off-white Sap.	Br. 81.0	Y. 24.6%
9.1 m. - 12.2 m.	Off-white Sap.	82.9	17.8
12.2 m. - 16.8 m.	Orange to pale brown Sap.	72.7	17.7
16.8 m. - 19.8 m.	Pale brown Sap., orange stains	76.0	15.2
19.8 m. - 21.3 m.	Pale brown Sap., stains increasing, felspars still soft		

Bore No. NT 320

Position: NT Grid 1200'S 800'W
Date: 12-2-71.
Drill: 5" Churn - Water at 3 m.

0 m. - 3.4 m.	Brown soil and drift		
3.4 m. - 6.1 m.	Off-white Sap.	Br. 76.0	Y. 28.5%
6.1 m. - 9.1 m.	Off-white to cream Sap.	82.8	Y. 17.8%
9.1 m. - 12.2 m.	Grey Sap., mainly quartz recovered		
12.2 m. -	Hard bottom		

Bore No. NT 321

Position: NT Grid 1200'S 1200'W
Date: 12-2-71
Drill: 5" Churn - Water at 2.5 m.

0 m. - 0.6 m.	Black soil
0.6 m. - 1.8 m.	Grey drift
1.8 m. - 4.9 m.	Green drift or granite
4.9 m. - 12.2 m.	Green to brown drift or granite

Bore No. NT 322

Position: NT Grid 800'S 400'E
 Date: 15-2-71
 Drill: 5" Churn - Water at 11 m.

0 m. - 2.4 m.	Sand		
2.4 m. - 3.5 m.	Brown drift		
3.5 m. - 7.6 m.	Grey and brown drift		
7.6 m. - 12.2 m.	Cream Sap., some mica	Br. 77.0	Y. 20.5
12.2 m. - 16.8 m.	White Sap.	81.0	18.4
16.8 m. - 21.3 m.	Cream to light brown Sap., some orange stain	76.5	14.9
21.3 m. - 25.9 m.	Light brown Sap., more stained		

Bore No. NT 323

Position: NT Grid 347'N 228'E
 Date: 16-2-71
 Drill: 5" Churn - Water at 7 m.

0 m. - 2.7 m.	Grey sand		
2.7 m. - 16.8 m.	Brown drift		
16.8 m. - 17.7 m.	White drift		
17.7 m. - 19.0 m.	Black drift		
19.0 m. - 21.3 m.	Grey drift		
21.3 m. - 22.3 m.	White drift		
22.3 m. - 25.9 m.	Grey drift		
25.9 m. - 30.5 m.	Off-white Sap., or drift, soft felspars	Br. 84.5	Y. 21.9

Bore No. NT 324

Position: NT Grid 2000'N 400'E
 Date: 17-2-71
 Drill: 5" Churn - Water at 7.5 m.

0 m. - 0.9 m.	Grey sand		
0.9 m. - 7.0 m.	Brown drift		
7.0 m. - 10.7 m.	Off-white Sap., Fe stained	Br. 82	Y. 20.9
10.7 m. - 15.2 m.	Off-white Sap.	81	18.0
15.2 m. - 18.3 m.	Off-white Sap., Fe stained	73	14.6
18.3 m. - 19.8 m.	Brown to green Sap., getting hard		

100

Bore No. NT 325

Position: NT Grid 1600'N 400'E
Date: 18-2-71
Drill: 5" Churn - Water at 18 m.

0 m. - 0.6 m.	Grey sand		
0.6 m. - 2.1 m.	Hard pan		
2.1 m. - 3.4 m.	Black drift		
3.4 m. - 7.6 m.	Grey and brown drift		
7.6 m. - 10.7 m.	Grey to brown Sap. or drift		
10.7 m. - 15.2 m.	Pale brown to off-white Sap.	Br. 80.0	Y. 29.9%
15.2 m. - 19.8 m.	Off-white Sap., slight brown stain, soft felspars, bore stopped by casing failure	85.5	29.2
10.7 m. - 19.8 m.	Bulk sample to U.S.A.		

Bore No. NT 326

Position: NT Grid 1600'N 400'W
Date: 19-2-71
Drill: 5" Churn

0 m. - 2.7 m.	Brown soil and drift		
2.7 m. - 4.0 m.	Grey to off-white drift		
4.0 m. - 4.6 m.	Stained Sap.		
4.6 m. - 9.1 m.	Off-white Sap., slight staining	Br. 82.5	Y. 24.2%
9.1 m. - 13.7 m.	White Sap., slight green tint	85.5	26.4
13.7 m. - 16.8 m.	White Sap., slight green tint	83.0	17.6
16.8 m. - 18.3 m.	Off-white Sap., with dark green patches		
4.6 m. - 16.8 m.	Bulk sample to U.S.A.		

Bore No. NT 327

Position: NT Grid 1200'N 400'W
Date: 22-2-71
Drill: 5" Churn - Water at 13.5 m.

0 m. - 0.6 m.	Grey sand		
0.6 m. - 1.5 m.	Hard pan		
1.5 m. - 8.5 m.	Brown drift		
8.5 m. - 12.2 m.	Fe stained Sap., quartz prominent	Br. 74	Y. 16.1%
12.2 m. - 16.8 m.	Cream Sap.	81	19.3
16.8 m. - 22.9 m.	Off-white Sap.	79.0	17.5
22.9 m. - 27.4 m.	Off- white Sap., pale green tint	74.0	12.9

Bore No. NT 328

Position: NT Grid 800'N 400'W
 Date: 23-2-71
 Drill: 5" Churn

0 m. - 0.6 m. Grey sand
 0.6 m. - 0.9 m. Hard pan
 0.9 m. - 5.5 m. Brown drift
 5.5 m. - 6.7 m. White drift
 6.7 m. - 7.9 m. Black drift
 7.9 m. - 18.3 m. Bands of white, brown and black drift

Bore No. NT 329

Position: NT Grid 2000'N 400'W
 Date: 24-2-71
 Drill: 5" Churn, - Water at 11 m.

0 m. - 0.6 m. Grey sand
 0.6 m. - 3.0 m. Brown drift
 3.0 m. - 13.7 m. Brown to green drift or granite

Bore No. NT 330

Position: NT Grid 3600'S 400'W
 Date: 24-2-71
 Drill: 5" Churn - Water at 4.5 m.

0 m. - 0.6 m. Grey sand
 0.6 m. - 7.0 m. Brown and grey drift
 7.0 m. - 9.0 m. Cream Sap.
 9.0 m. - 10.7 m. Cream Sap., green patches
 10.7 m. - 12.2 m. Green Sap

Br. 81.0 Y. 22.4%

Bore No. NT 331

Position: NT Grid 4000'S 400'W
Date: 25-2-71
Drill: 5" Churn - Water at 3.5 m.

0 m. - 0.6 m.	Black sand		
0.6 m. - 2.1 m.	Brown sand		
2.1 m. - 7.6 m.	Grey drift		
7.6 m. - 12.2 m.	Off-white Sap., green tint	Br. 82	Y. 15.8%
12.2 m. - 15.2 m.	Off-white Sap., green tint	81	10.8
15.2 m. - ?	Green		

Bore No. NT 332

Position: NT Grid 5200'S 000
Date: 2-3-71
Drill: 5" Churn - Water at 3.5 m.

0 m. - 0.6 m.	Black sand		
0.6 m. - 1.8 m.	Brown sand		
1.8 m. - 5.2 m.	Grey drift		
5.2 m. - 10.7 m.	Pale brown to cream Sap., some fine mica	Br. 76	Y. 23.9%
10.7 m. - 15.2 m.	White Sap., green at base	78.5	17.5
15.2 m. - 19.8 m.	Green Sap., becoming harder		

Bore No. NT 333

Position: NT Grid 5600'S 000
Date: 3-3-71
Drill: 5" Churn - Water at 6 m.

0 m. - 0.6 m.	Black soil		
0.6 m. - 1.8 m.	Brown drift		
1.8 m. - 6.1 m.	Cream Sap.	Br. 83.0	Y. 33.7%
6.1 m. - 10.7 m.	White to cream Sap.	83.0	25.1
10.7 m. - 13.7 m.	White Sap., green tint, hard felspar at base	82.0	21.6
13.7 m. - 16.8 m.	White Sap., green tint, hard white felspar	80.0	19.5
16.8 m. - 18.3 m.	White Sap., green tint, hard white felspar		

Bore No. NT 334

Position: NT Grid 5987'S 000
Date: 3-3-71
Drill: 5" Churn - Water at 5.5 m.

0 m. - 5.5 m.	Brown drift		
5.5 m. - 9.1 m.	Cream Sap., some Fe stains	Br. 83	Y. 15.5%
9.1 m. - 13.7 m.	Cream and white Sap., some very fine mica, coarse quartz	84	14.1
13.7 m. - 18.3 m.	Similar to above, becoming green at base	83	10.1
18.3 m. - 21.3 m.	Light green Sap., becoming harder		

Bore No. NT 335

Position: NT Grid 6000'S 400'E
Date: 8-3-71
Drill: 5" Churn - Water at 6.5 m.

0 m. - 1.8 m.	Black soil		
1.8 m. - 8.2 m.	Brown drift		
8.2 m. - 13.7 m.	Grey drift		
13.7 m. - 16.8 m.	Mixed Sap. and drift		
16.8 m. - 19.8 m.	Cream Sap., some fine mica	Br. 80	Y. 16.8%
19.8 m. - 24.4 m.	White Sap., some fine mica	81	13.1
24.4 m. - 27.4 m.	Cream and white Sap., sugary white feldspars	81	13.3
27.4 m. - 30.5 m.	Cream and white Sap., feldspars very white and chalky	82	12.4

Bore No. NT 336

Position: NT Grid 5600'S 400'E
Date: 10-3-71
Drill: 5" Churn - Water at 7 m.

0 m. - 0.6 m.	Grey sand		
0.6 m. - 1.8 m.	Hard pan		
1.8 m. - 3.0 m.	Brown drift		
3.0 m. - 6.4 m.	Black drift		
6.4 m. - 7.0 m.	Brown drift		
7.0 m. - 9.8 m.	Grey sand		
9.8 m. - 12.2 m.	Grey drift		
12.2 m. - 18.3 m.	Mixed off-white Sap., and drift, includes fine-sandy patches	Br. 79.0	Y. 13.9%

10.3

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909106

Bore No. NT 336 contd

18.3 m. - 22.9 m.	Cream and white Sap.	Br. 72.5	Y. 19.8%
22.9 m. - 25.9 m.	Cream and white Sap., sugary felspars	80.0	15.8
25.9 m. - 30.5 m.	Cream and white Sap., faint green tint, felspars harder	60.5	12.4

WEST FORESTER BORES

These bores were located by compass pacing at the time of drilling and were connected to an old bridge over the Great Forester River having approximate co-ordinates on the North Tonganah grid of 1720'S 2630'W.

Due to subsequent logging operations further identification is not now practicable.

Bore No. 66

Position: 7 metres at 70° magnetic from B.M. on eucalypt
Date: 10-3-71
Drill: 4" Auger

0 m. - 0.3 m. Gravel
0.3 m. - 13.7 m. Brown granite or granite drift

Bore No. 67

Position: 60 metres at 193° magnetic from No. 66., also
85 metres at 12° magnetic from No. 71
Date: 10-3-71
Drill: 4" Auger

0 m. - 0.9 m. Soil and sand
0.9 m. - 2.7 m. Gravel
2.7 m. - 13.7 m. Brown Sap., or drift

Bore No. 68

Position: 34 metres at 71° magnetic from No. 69., being also 180 metres at 169° and thence 70 metres at 90° to the old bridge over the Great Forester River.

Date: March 1971

Drill: 4" Auger

- 0 m. - 1.8 m. Gravel
- 1.8 m. - 7.6 m. Brown granite detritus
- 7.6 m. - 13.7 m. Brown drift or Sap.

Bore No. 69

Position: As above, 34 metres at 251° magnetic from No. 68

Date: March 1971

Drill: 4" Auger

- 0 m. - 0.3 m. Gravel
- 0.3 m. - 3.0 m. Brown drift or Sap.
- 3.0 m. - 13.7 m. Brown drift or Sap.

Bore No. 70

Position: 46 metres at 308° magnetic from No. 69

Date: March 1971

Drill: 4" Auger

- 0 m. - 1.8 m. Clay
- 1.8 m. - 4.5 m. Blue clay and gravel
- 4.5 m. - 13.7 m. Brown drift or Sap.

Bore No. 71

Position: 114 metres at 329° magnetic from No. 70

Date: March 1971

Drill: 4" Auger

- 0 m. - 0.9 m. Gravel
- 0.9 m. - 3.6 m. Cream Sap. Br. 70 Y. 19.0%
- 3.6 m. - 5.5 m. White Sap.
- 5.5 m. - 9.1 m. White Sap.
- 9.1 m. - 13.7 m. Cream Sap. 67 18.6

Bore No. 72

Position: 58 metres at 326° magnetic from No. 71

Date: March 1971

Drill: 4" Auger

0 m. - 0.9 m. Gravel

0.9 m. - 3.7 m. Brown Sap.

Br. 68 Y. 20.7%

3.7 m. - 13.7 m. Cream Sap., faint green at base

79 19.2

Bore No. 73

Position: 80 metres at 297° magnetic from No. 72

Date: March 1971

Drill: 4" Auger

0 m. - 0.9 m. Gravel

0.9 m. - 3.7 m. Cream Sap.

3.7 m. - 13.7 m. Light brown Sap.

Br. 68 Y. 23.6%

Bore No. 74

Position: 123 metres at 302° magnetic from No. 73

Date: March 1971

Drill: 4" Auger

0 m. - 0.9 m. Gravel

0.9 m. - 2.7 m. Brown Sap., or drift

2.7 m. - 3.7 m. Brown Sap., or drift

3.7 m. - 7.3 m. Light brown Sap.

Br. 78.5 Y. 21.4%

7.3 m. - 13.7 m. Mostly white Sap., some yellow at base

78.0 19.9

NORTH FORESTER BORES

Bore No. 49

Position: See plan dated November 1979

Date: 11-3-71

Drill: 4" Auger

0 m. - 0.9 m.	Soil		
0.9 m. - 1.8 m.	Clay		
1.8 m. - 3.7 m.	Mixed Sap. and clay		
3.7 m. - 11.0 m.	Cream fine textured Sap.	Br. 72	Y. 36.8%
11.0 m. - 13.7 m.	Cream and white Sap.	83	24.8

Bore No. 50

Position: See plan dated November 1979

Date: 11-3-71

Drill: 4" Auger

0 m. - 0.9 m.	Soil		
0.9 m. - 1.8 m.	Gravel		
1.8 m. - 3.7 m.	Brown clay		
3.7 m. - 7.3 m.	Fine drift or Sap.		
7.3 m. - 13.7 m.	White Sap., wet	Br. 82.0	Y. 26.0%

Bore No. 51

Position: See plan date November 1979

Date: 11-3-71

Drill: 4" Auger

0 m. - 1.8 m.	Gravel		
1.8 m. - 3.7 m.	Sap. or drift		
3.7 m. - 6.4 m.	Pale brown Sap.		
6.4 m. - 9.1 m.	Cream Sap.	Br. 83.5	Y. 38.2%
9.1 m. - 13.7 m.	White to cream Sap.	82.0	28.5

Bore No. 52

Position: See plan dated November 1979

Date: 11-3-71

Drill: 4" Auger

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Bore No. 52 contd.

0.3 m. - 1.3 m.	Gravel		
1.2 m. - 3.0 m.	Brown granite drift		
3.0 m. - 12.8 m.	Cream to pale brown Sap.	Br. 82.0	Y. 31.5%

Bore No. 53

Position: See plan dated November 1979

Date: 11-3-71

Drill: 4" Auger

0 m. - 0.9 m.	Clay		
0.9 m. - 2.7 m.	Brown granite drift		
2.7 m. - 13.7 m.	White to cream Sap.	Upper Br. 81.5	Y. 21.9%
		Lower 81.0	16.9

Bore No. 54

Position: See plan dated November 1979

Date: 11-3-71

Drill: 4" Auger

0 m. - 0.3 m.	Soil		
0.3 m. - 2.7 m.	Sap., or drift		
2.7 m. - 7.3 m.	White Sap.	Br. 79.0	Y. 28.6%
7.3 m. - 12.8 m.	Very wet, no core recovery		
12.8 m.	Hard bottom		

Bore No. 55

Position: See plan dated November 1979

Date: 12-3-71

Drill: 4" Auger

0 m. - 0.9 m.	Gravel		
0.9 m. - 3.7 m.	Brown clay		
3.7 m. - 7.3 m.	Brown Sap.		
7.3 m. - 13.7 m.	Pale brown Sap.	Br. 79	Y. 23.6%

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Bore No. 56

Position: See plan dated November 1979

Date: 12-3-71

Drill: 4" Auger

0 m. - 1.8 m.	Gravel		
1.8 m. - 4.6 m.	Granite drift		
4.6 m. - 13.7 m.	Cream Sap., whitens on exposure	Br. 76	Y. 26.2%

Bore No. 57

Position: See plan dated November 1979

Date: 12-3-71

Drill: 4" Auger

0 m. - 0.9 m.	Gravel		
0.9 m. - 1.8 m.	Clay		
1.8 m. - 5.5 m.	Brown Sap.		
5.5 m. - 8.2 m.	Light brown Sap.		
8.2 m. - 13.7 m.	Cream to white Sap.	Br. 82	Y. 30.1%

Bore No. 58

Position: See plan dated November 1979

Date: 12-3-71

Drill: 4" Auger

0 m. - 1.8 m.	Gravel		
1.8 m. - 5.5 m.	Drift		
5.5 m. - 8.2 m.	Cream Sap., whitens on drying		
8.2 m. - 13.7 m.	Cream Sap., whitens on drying		

Bore No. 59

Position: See plan dated November 1979

Date: 12-3-71

Drill: 4" Auger

0 m. - 1.8 m.	Gravel		
1.8 m. - 3.7 m.	Drift		
3.7 m. - 9.1 m.	Light brown drift or Sap.		
9.1 m. - 13.7 m.	Cream Sap.	Br. 75	Y. 19/1%

Bore No. 60

Position: See plan dated November 1979
Date: 12-3-71
Drill: 4" Auger

- 0 m. - 0.9 m. Gravel
- 0.9 m. - 13.7 m. Brown drift or Sap.

Bore No. 1/79

Position: See plan dated November 1979
Date: 29-3-79
Drill: 5" Churn

- 0 m. - 1.5 m. Sand and hard pan
- 1.5 m. - 4.6 m. Yellow and brown drift
- 4.6 m. - 6.1 m. White Sap., flecks of brown Br. 75.0 Y. 38.3%
- 6.1 m. - 7.6 m. White Sap. 78.0 32.5
- 7.6 m. - 9.1 m. White Sap. 77.0 34.1
- 9.1 m. - 10.7 m. Yellowish Sap., some hard felspar 77.0 31.9
- 10.7 m. - 12.2 m. Yellowish Sap., some hard felspar 75.5 26.3
- 12.2 m. - 13.7 m. Greenish Sap., some hard felspar
- 13.7 m. - 15.2 m. Green Sap., some hard felspar

Bore No. 2/79

Position: See plan dated November 1979
Date: 30-3-79
Drill: 5" Churn

- 0 m. - 1.5 m. Sand and hard pan
- 1.5 m. - 6.1 m. Yellow and white drift
- 6.1 m. - 7.6 m. White Sap., wet
- 7.6 m. - 9.1 m. Green and white Sap.
- 9.1 m. - 10.7 m. Green Sap., hard felspars

Bore No. 3/79

Position: See plan dated November 1979
Date: 11-9-79
Drill: 5" Churn

0 m. - 3.0 m.	Soil and fine gravel, some cemented to hard pan		
3.0 m. - 4.6 m.	White Sap., slight Fe stain	Br. 73.0	Y. 29.3%
4.6 m. - 6.1 m.	White Sap.	76.0	26.1
6.1 m. - 7.6 m.	White Sap.	78.0	24.7
7.6 m. - 9.1 m.	White Sap., wet, some large dark quartz, some hard felspar	80.0	19.7
9.1 m. - 10.7 m.	Similar to above	79.5	16.7
10.7 m. - 12.2 m.	Similar to above	77.0	17.4
12.2 m. - 13.7 m.	Very wet, core hard to recover, brown to green tint		

Bore No. 4/79

Position: See plan dated November 1979
Date: 12-9-79
Drill: 5" Churn

0 m. - 1.8 m.	Yellow drift
1.8 m. - 3.0 m.	Pale brown Sap.
3.0 m. - 4.6 m.	Pale brown Sap., with pink and brown patches
4.6 m. - 6.1 m.	Pale brown Sap., hard pink feldspars
6.1 m. - 7.6 m.	Pale brown Sap., hard orange feldspars
7.6 m. - 9.1 m.	Pale brown Sap., proportion of hard coloured feldspar increasing

Bore No. 5/79

Position: See plan dated November 1979
Date: 13-9-79
Drill: 5" Churn

0 m. - 6.1 m.	Brown granitic drift
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Bore No. 6/79

Position: See plan dated November 1979
 Date: 13-9-79
 Drill: 5" Churn

0 m. - 7.6 m. Coloured granitic drift showing some
 white kaolinised felspar

Bore No. 7/79

Position: See plan dated November 1979
 Date: 14-9-79
 Drill: 5" Churn

0 m. - 7.6 m. Yellow to brown granitic drift

Bore No. 8/79

Position: See plan dated November 1979
 Date: 14-9-79
 Drill: 5" Churn

0 m. - 6.7 m. Yellow, brown and red granitic drift

Bore No. 8/80

Position: 170 metres at 317° magnetic from 4/79
 Date: 21-3-80
 Drill: 5" Churn

0 m. - 3.0 m. Brown soil and gravel
 3.0 m. - 6.1 m. Brown Sap.
 6.1 m. - 12.2 m. Pale brown Sap.

Bore No. 9/80

Position: 100 metres at 8° magnetic from 8/80
 Date: 21-3-80
 Drill: 5" Churn

0 m. - 3.0 m. Brown soil and gravel
 3.0 m. - 9.1 m. Probable Sap., light green colour
 deepens with depth

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NORTH TONGANAH BORES

Bore No. NT 600

Position: NT Grid 600'N 600'W

Date: 31-5-71

Drill: 5" Churn

0 m. - 0.9 m.	Gravel		
0.9 m. - 1.8 m.	Hard pan		
1.8 m. - 2.7 m.	Brown residual gravel		
2.7 m. - 6.1 m.	Pale brown Sap.	Br. 75	Y. 26%
6.1 m. - 7.6 m.	Pale brown and white Sap.	77	35
7.6 m. - 9.8 m.	Yellow Sap., with Fe rich patches		
9.8 m. - 12.2 m.	Green Sap., (deep green biotite)		

Bore No. NT 601

Position: NT Grid 200'N 600'W

Date: 1-6-71

Drill: 5" Churn

0 m. - 0.6 m.	Black sand		
0.6 m. - 1.2 m.	Hard pan		
1.2 m. - 6.1 m.	Cream Sap., some Fe stain	Br. 80.5	Y. 34%
6.1 m. - 9.7 m.	White Sap.	84.5	25
9.7 m. - 12.2 m.	Yellow Sap.		
12.2 m. - 15.2 m.	Green and white Sap.		
1.2 m. - 9.7 m.	Bulk sample to U.S.A.		

Bore No. NT 602

Position: NT Grid 200'N 200'W

Date: 2-6-71

Drill: 5" Churn

0 m. - 0.9 m.	Black sand		
0.9 m. - 2.1 m.	Residual gravel and hard pan		
2.1 m. - 3.0 m.	Brown to grey granitic drift		
3.0 m. - 8.2 m.	Granitic drift with bands of white clay		
8.2 m. - 9.1 m.	White Sap.		
9.1 m. - 15.2 m.	White Sap.	Br. 83	Y. 21%

Bore No. NT 602 contd.

15.2 m. - 21.3 m.	Cream and white Sap.	Br. 85	Y. 21%
21.3 m. - 27.4 m.	Cream and white Sap., some hard felspars	83	12
27.4 m. - 33.5 m.	Cream and white Sap., some hard felspars	83	14
9.1 m. - 33.5 m.	Bulk sample to U.S.A.		

Bore No. NT 603

Position: NT Grid 200'S 600'W

Date: 4-6-71

Drill: 5" Churn

0 m. - 0.6 m.	Black sand		
0.6 m. - 3.7 m.	Brown drift		
3.7 m. - 4.3 m.	Stained Sap., with white patches		
4.3 m. - 6.1 m.	Cream Sap.	Br. 77.5	Y. 29%
6.1 m. - 8.8 m.	Coloured Sap.		
8.8 m.	Hard bottom		

Bore No. NT 604

Position: NT Grid 200'S 200'W

Date: 7-6-71

Drill: 5" Churn - Water at 9 m.

0 m. - 0.6 m.	Black residual gravel		
0.6 m. - 3.0 m.	Brown, red and white kaolinised drift		
3.0 m. - 3.7 m.	Red stained top of Sap.		
3.7 m. - 9.1 m.	White and cream Sap.	Br. 85	Y. 29%
9.1 m. - 15.2 m.	White and cream Sap.	86	24
15.2 m. - 19.8 m.	White and cream Sap., small Fe stained patches	84.5	22
19.8 m. - 23.2 m.	White and cream Sap., more Fe stained patches	74	14
23.2 m. - 26.2 m.	Green colour developing		
3.7 m. - 19.8 m.	Bulk sample to U.S.A.		

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Bore No. NT 605

Position: NT Grid 200'S 200'E

Date: 8-6-71

Drill: 5" Churn

0 m. - 0.6 m.	Residual gravel		
0.6 m. - 5.5 m.	Brown and white kaolinised drift		
5.5 m. - 6.1 m.	Mixed drift and Sap.		
6.1 m. - 9.1 m.	Cream and white Sap.	Br. 80	Y. 25%
9.1 m. - 15.2 m.	Cream and white Sap.	81.5	17
15.2 m. - 18.3 m.	Cream to pale brown Sap.	81	19
18.3 m. - 22.9 m.	Cream to pale brown Sap.	81	19
22.9 m. - 25.9 m.	Pale brown Sap., green biotite		
5.5 m. - 22.9 m.	Bulk sample to U.S.A.		

Bore No. NT 606

Not drilled

NT 607

Bore No. 607

Position: NT Grid 600'S 1000'W

Date: 11-6-71

Drill: 5" Churn

0 m. - 0.6 m.	Gravel
0.6 m. - 4.0 m.	Brown drift
4.0 m.	Hard bottom, ? granite

Bore No. NT 608

Position: NT Grid 600'S 600'W

Date: 6-6-71

Drill: 5" Churn - Water at 7.5 m.

0 m. - 0.6 m.	Gravel		
0.6 m. - 1.8 m.	Stained kaolinised drift		
1.8 m. - 3.0 m.	Red stained Sap.		
3.0 m. - 6.1 m.	Pale brown and white Sap.	Br. 71.5	Y. 22%
6.1 m. - 9.1 m.	Brown Sap., hard feldspars		

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Bore No. NT 609

Position: NT Grid 600'S 200'W
Date: 7-6-71
Drill: 5" Churn - Water at 1 m.

0 m. - 0.9 m.	Gravel		
0.9 m. - 2.4 m.	Brown and white kaolinised drift		
2.4 m. - 4.6 m.	Brown stained top of Sap.		
4.6 m. - 7.9 m.	White Sap., some stain at top	Br. 82	Y. 17%
7.9 m. - 11.3 m.	White Sap., some stain at base	79	15
11.3 m. - 15.2 m.	Brown Sap., hard pink felpars		
4.6 m. - 11.3 m.	Bulk sample to U.S.A.		

Bore No. 610

Position: NT Grid 600'S 200'E
Date: 9-6-71
Drill: 5" Churn - Water at 4.5 m.

0 m. - 0.9 m.	Grey residual gravel		
0.9 m. - 5.5 m.	Brown kaolinised drift, bands of white clay		
5.5 m. - 10.7 m.	White Sap., slight green tint	Br. 85.5	Y. 19%
10.7 m. - 18.9 m.	White Sap., slight green tint, white felpars harder at base	84	14
18.9 m. - 21.0 m.	White to green Sap., green biotite, hard felpars		
5.5 m. - 18.9 m.	Bulk sample to U.S.A.		

Bore No. NT 611

Position: NT Grid 600'S 600'E
Date: 10-6-71
Drill: 5" Churn - Water at 4.5 m.

0 m. - 0.6 m.	Gravelly soil		
0.6 m. - 0.9 m.	Hard pan		
0.9 m. - 1.5 m.	Brown drift		
1.5 m. - 4.6 m.	White clay, some grit		
4.6 m. - 6.1 m.	Brown and white kaolinised drift		
6.1 m. - 9.1 m.	Brown to green Sap.		

Bore No. NT 612

Position: NT Grid 1000'S 1000'W

Date: 15-6-71

Drill: 5" Churn

0 m. - 0.6 m.	Residual soil and gravel		
0.6 m. - 1.8 m.	Brown drift and Sap.		
1.8 m. - 7.6 m.	Cream and white Sap., some stain at top	Br. 81.5	Y. 20%
7.6 m. - 13.7 m.	Cream and white Sap., some stain at top	85	19
13.7 m. - 17.4 m.	Cream and white Sap., white feldspars hard towards base	84	16
17.4 m. - 18.0 m.	Cream and white Sap., green tint, hard feldspars		
18.0 m. - 19.8 m.	Green, white and brown Sap., some feldspar still soft		
1.8 m. - 17.4 m.	Bulk sample to U.S.A.		

Bore No. NT 613

Position: NT Grid 1000'S 600'W

Date: 16-6-71

Drill: 5" Churn

0 m. - 1.8 m.	Brown mud		
1.8 m. - 6.1 m.	Cream and white Sap.	Br. 79	Y. 17%
6.1 m. - 9.1 m.	Cream and white Sap.	79.5	20
9.1 m. - 14.0 m.	Cream and white Sap., some hard feldspars, some Fe stains	77	17
14.0 m. - 15.9 m.	Cream and white Sap., hard feldspars and Fe stains increasing		
15.9 m. - 18.3 m.	Pink, green and brown		
1.8 m. - 14.0 m.	Bulk sample to U.S.A.		

Bore No. NT 614

Position: NT Grid 1000'S 200'W

Date: 11-6-71

Drill: 5" Churn - Water at 8.5 m.

0 m. - 0.6 m.	Black sand		
0.6 m. - 3.0 m.	Brown kaolinised drift		
3.0 m. - 3.4 m.	Stained top of Sap.		
3.4 m. - 6.1 m.	Yellow Sap., Fe stained	Br. 68	Y. 26%

Bore No. NT 614 contd.

6.1 m. - 9.1 m.	Cream and white Sap.	Br. 81	Y. 238
9.1 m. - 15.2 m.	White Sap.	83	23
15.2 m. - 19.8 m.	White Sap.	79.5	19
19.8 m. - 22.9 m.	White Sap., some hard feldspars, stain at base	77.5	26
22.9 m. - 27.4 m.	Brown to green tint, more hard feldspar		
3.4 m. - 21.6 m.	Bulk sample to U.S.A.		

Bore No. NT 615

Position: NT Grid 1000'S 600'E
 Date: 17-6-71
 Drill: 5" Churn - Water at 8.5 m.

0 m. - 0.9 m.	Gravel
0.9 m. - 1.2 m.	Hard pan
1.2 m. - 4.6 m.	Brown and white bands of drift
4.6 m. - 6.7 m.	Light brown drift
6.7 m. - 9.1 m.	Yellow granitic drift with clay seams
9.1 m. - 12.2 m.	Dark brown to green Sap.
12.2 m.	Hard bottom

Bore No. NT 616

Position: NT Grid 1400'S 1000'W
 Date: 18-6-71
 Drill: 5" Churn - Water at 3 m.

0 m. - 0.3 m.	Soil and gravel
0.3 m. - 6.4 m.	Brown clay and gravel with small patches of white kaolin
6.4 m.	Hard granite

Bore No. NT 617

Position: NT Grid 1400'S 600'W
 Date: 17-6-71
 Drill: 5" Churn

0 m. - 0.3 m.	Gravel
0.3 m. - 1.2 m.	Brown residual gravel
1.2 m. - 4.6 m.	Red and brown Fe stained Sap., with fine mica

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Bore No. NT 617 contd.

4.6 m. - 9.1 m.	Cream and white Sap., few stains	Br. 80	Y. 17%
9.1 m. - 14.0 m.	Yellow to cream Sap., some hard feldspars	72.5	9
14.0 m. - 17.7 m.	Brown to green Sap., hard feldspars increasing		
4.6 m. - 14.0 m.	Bulk sample to U.S.A.		

Bore No. NT 618

Position: NT Grid 1400'S 200'W
 Date: 17-6-71
 Drill: 5" Churn - Water at 3.5 m.

0 m. - 0.9 m.	Soil and gravel		
0.9 m. - 3.0 m.	White Sap., heavy red to yellow stain		
3.0 m. - 6.1 m.	White Sap., less stain	Br. 75	Y. 32%
6.1 m. - 12.2 m.	Cream and white Sap., little stain	80.5	19
12.2 m. - 15.2 m.	Cream and white Sap., green tint, some hard feldspar	80.5	14
15.2 m. - 16.8 m.	Cream and white Sap., large hard pink feldspars	81	16
16.8 m. - 19.2 m.	Cream and white Sap., large hard pink feldspars, prominent green to brown segregations		
3.0 m. - 15.2 m.	Bulk sample to U.S.A.		

Bore No. NT 619

Position: NT Grid 1400'S 200'E
 Date: 16-6-71
 Drill: 5" Churn - Water at 3 m.

0 m. - 1.5 m.	Soil and gravel		
1.5 m. - 3.3 m.	Brown and white kaolinised granitic drift		
3.3 m. - 9.1 m.	Black gravelly drift		
9.1 m. - 12.2 m.	Light brown gravelly drift		
12.2 m. - 13.7 m.	Light brown drift or Sap.		
13.7 m. - 19.8 m.	Cream to pale brown Sap.	Br. 72.5	Y. 25%
19.8 m. - 25.9 m.	Cream to pale brown Sap.	73.5	23
25.9 m. - 32.0 m.	Pale brown and white Sap., white feldspars still soft, at 32 m. the white areas are unchanged but the pale brown areas are becoming green	76	18
13.7 m. - 32.0 m.	Bulk sample to U.S.A.		

Bore No. NT 620

Position: NT Grid 1800'S 600'W
 Date: 21-6-71
 Drill: 5" Churn

0 m. - 0.6 m.	Soil and gravel		
0.6 m. - 1.5 m.	Hard pan		
1.5 m. - 4.0 m.	Brown clay and gravel, heavy Fe staining		
4.0 m. - 6.1 m.	Top of Sap., brown stained		
6.1 m. - 8.5 m.	Off-white Sap.	Br. 76.5	Y. 13%
8.5 m. - 9.4 m.	Off-white Sap., pale green		
9.4 m.	Hard granite with large quartz, and pink and white feldspars		

Bore No. NT 621

Position: NT Grid 1800'S 200'W
 Date: 22-6-71
 Drill: 5" Churn

0 m. - 0.6 m.	Soil and gravel		
0.6 m. - 1.2 m.	Hard pan		
1.2 m. - 2.4 m.	Dark brown drift with pebbles		
2.4 m. - 4.3 m.	Stained top of Sap.		
4.3 m. - 9.1 m.	Cream and white Sap., slight stain at top	Br. 77	Y. 23%
9.1 m. - 15.2 m.	White Sap.	83.5	21
15.2 m. - 21.3 m.	White Sap., slight yellowing	84.5	19
21.3 m. - 25.9 m.	White to yellow Sap., green in bottom		
25.9 m. - 27.4 m.	Green Sap.		
4.3 m. - 21.3 m.	Bulk sample to U.S.A.		

Bore No. NT 622

Position: NT Grid 1800'S 200'E
 Date: 23-6-71
 Drill: 5" Churn

0 m. - 0.6 m.	Black sand		
0.6 m. - 1.2 m.	Hard pan		
1.2 m. - 6.1 m.	Brown and white drift		
6.1 m. - 11.6 m.	Light brown granitic drift with clay bands		
11.6 m. - 15.5 m.	Mostly white clay		

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Bore No. NT 622 contd.

15.5 m. - 19.8 m.	Cream and white Sap.	Br. 81.5	Y. 24%
19.8 m. - 25.9 m.	Cream and white Sap.	83	18
25.9 m. - 30.5 m.	Cream and white Sap., some hard white feldspars	82	15

Bore No. NT 623

Position: NT Grid 1400'S 000
 Date: 21-6-71
 Drill: 5" Churn - Water at 3.5 m.

0 m. - 0.6 m.	Soil and gravel		
0.6 m. - 4.3 m.	Grey to brown granitic drift, bands of white clay		
4.3 m. - 5.5 m.	Brown stained top of Sap.		
5.5 m. - 12.2 m.	Cream Sap., some Fe stain, some fine mica	Br. 79.5	Y. 23%
12.2 m. - 18.3 m.	Cream to pale brown and white Sap.	76	20
18.3 m. - 24.4 m.	Cream to pale brown and white Sap.	76	15
24.4 m. - 30.5 m.	Cream to pale brown and white Sap., white feldspar harder from 27 m.	77.5	14
30.5 m. - 32.0 m.	Pale brown and white Sap., harder feldspars		
5.5 m. - 30.5 m.	Bulk sample to U.S.A.		

Bore No. NT 624

Position: NT Grid 5000'S 600'W
 Date: 25-6-71
 Drill: 5" Churn - Water at 1 m.

0 m. - 0.3 m.	Peaty soil
0.3 m. - 1.5 m.	Brown drift
1.5 m. - 4.6 m.	Grey drift
4.6 m. - 5.8 m.	Grey drift with heavy wash
5.8 m. - 7.6 m.	Grey-green and white Sap., hard white feldspars
7.6 m. - 10.7 m.	Green Sap.

122

Bore No. NT 625

Position: NT Grid 5000'S 200'W
Date: 24-6-71
Drill: 5" Churn - Water at 3 m.

- 0 m. - 1.5 m. Brown drift
 - 1.5 m. - 7.1 m. Grey drift
 - 7.1 m. - 17.4 m. Cream and white Sap., green tint,
hard feldspars at base
- Br. 79 Y. 18%

Bore No. NT 626

Position: NT Grid 5000'S 200'E
Date: 28-6-71
Drill: 5" Churn - Water at 2.5 m.

- 0 m. - 4.9 m. Sand and gravel
- 4.9 m. - 9.1 m. White drift, some water-worn pebbles
- 9.1 m. - 12.2 m. Grey drift
- 12.2 m. - 15.2 m. Brown to green Sap.

Bore No. NT 627

Position: NT Grid 5400'S 600'W
Date: 28-6-71
Drill: 5" Churn - Water at 3 m.

- 0 m. - 0.3 m. Mud
- 0.3 m. - 0.9 m. Hard pan
- 0.9 m. - 3.4 m. Contaminated cream to green and white Sap.
- 3.4 m. - 4.6 m. Cream and white Sap., large sugary white
feldspars
- 4.6 m. - 8.5 m. Cream and white Sap., large sugary white
feldspars, heavy Fe staining

123

Bore No. NT 628

Position: NT Grid 5400'S 200'W
Date: 29-6-71
Drill: 5" Churn - Water at 2 m.

0 m. - 1.8 m.	Brown drift		
1.8 m. - 3.0 m.	Brown and white Sap.		
3.0 m. - 6.1 m.	White Sap., some contamination at top	Br. 82	Y. 22%
6.1 m. - 12.2 m.	Cream and white Sap., hard feldspars at base	83	19
12.2 m. - 15.2 m.	Cream to green and white Sap., hard feldspars	82	14
15.2 m. - 17.7 m.	Cream to green and white Sap., hard feldspars, green increasing		
3.0 m. - 15.2 m.	Bulk sample to U.S.A.		

Bore No. NT 629

Position: NT Grid 5400'S 200'E
Date: 25-6-71
Drill: 5" Churn - Water at 3 m.

0 m. - 0.6 m.	Soil and gravel		
0.6 m. - 3.0 m.	Brown granitic drift		
3.0 m. - 5.5 m.	Brown to white granitic drift		
5.5 m. - 9.1 m.	White drift, tough and clay-like in parts	Br. 84	Y. 26%
9.1 m. - 12.8 m.	White drift, tough and clay-like in parts	84	15
12.8 m. - 18.3 m.	Cream and white Sap., faint green tint	81	19
18.3 m. - 24.4 m.	Cream and white Sap., hard feldspars at base	80	16
24.4 m. - 26.2 m.	Cream and white Sap., green tint and hard feldspar increasing		
5.5 m. - 24.4 m.	Bulk sample to U.S.A.		

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Bore No. NT 630

Position: NT Grid 5800'S 500'W
 Date: 30-6-71
 Drill: 5" Churn

0 m. - 0.3 m.	Mud		
0.3 m. - 3.0 m.	Black gravel and heavy wash on hard pan		
3.0 m. - 7.6 m.	Cream and white Sap., faint green, felspars fine sugary	Br. 79	Y. 15%
7.6 m. - 10.7 m.	Cream to green and white Sap., felspars fine sugary to brittle	78.5	15

Bore No. NT 631

Position: NT Grid 5800'S 200'W
 Date: 29-6-71
 Drill: 5" Churn

0 m. - 0.9 m.	Mud and gravel		
0.9 m. - 5.8 m.	Grey and brown drift, pebbles at base		
5.8 m. - 10.7 m.	White Sap.	Br. 84	Y. 22%
10.7 m. - 16.8 m.	White Sap.	83	19
16.8 m. - 19.8 m.	Cream and white Sap., green tint, hard felspars at base	81.5	15
19.8 m. - 22.9 m.	Cream and white Sap., green tint, and hard felspars increasing		
5.8 m. - 22.9 m.	Bulk sample to U.S.A.		

Bore No. NT 632

Position: NT Grid 5800'S 200'E
 Date: 1-7-71
 Drill: 5" Churn - Water at 2 m.

0 m. - 0.9 m.	Black soil and gravel		
0.9 m. - 1.8 m.	Hard pan		
1.8 m. - 3.4 m.	Black drift		
3.4 m. - 5.5 m.	Granitic drift with bands of peat		
5.5 m. - 15.5 m.	White granitic drift, some clay patches	Br. 81	Y. 27%
15.5 m. - 21.3 m.	Cream and white Sap., felspars gritty at base	79	20
21.3 m. - 24.4 m.	Cream and white Sap., hard felspars	80.5	15
24.4 m. - 27.4 m.	Green and white Sap., sugary white felspars		

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Bore No. NT 633

Position: NT Grid 6200'S 600'W

Date: 6-7-71

Drill: 5" Churn

0 m. - 1.8 m.	Dark brown clay and gravel		
1.8 m. - 3.7 m.	Light brown and grey clay and gravel		
3.7 m. - 5.2 m.	White to grey clay		
5.2 m. - 7.6 m.	Pale brown and white Sap., feldspars soft but with fine sugary texture	Br. 83	Y. 16%
7.6 m. - 10.7 m.	Cream and white Sap., sugary feldspars, flecks of Fe colour	78	14
10.7 m. - 13.7 m.	Fe staining increasing, feldspars becoming brittle		
13.7 m. - 16.8 m.	Fe staining increasing, green biotite at base		

Bore No. NT 634

Position: NT Grid 6200'S 200'W

Date: 2-7-71

Drill: 5" Churn - Water at 1 m.

0 m. - 0.3 m.	Black soil		
0.3 m. - 1.8 m.	Hard black gravel		
1.8 m. - 4.3 m.	Brown drift		
4.3 m. - 10.7 m.	White Sap.	Br. 85	Y. 18%
10.7 m. - 15.2 m.	White Sap., few yellow stains	85	17
15.2 m. - 18.3 m.	White Sap., few yellow stains	81	17
18.3 m. - 25.9 m.	White Sap., green tint at base and feldspars becoming sugary to brittle	81.5	16
25.9 m. - 26.5 m.	As above		
4.3 m. - 19.8 m.	Bulk sample to U.S.A.		

Bore No. NT 635

Not drilled

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Bore No. NT 636

Position: NT Grid 6400'S 400'W

Date: 6-7-71

Drill: 5" Churn

0 m. - 0.3 m.	Soil		
0.3 m. - 1.8 m.	Grey and brown clay and gravel		
1.8 m. - 3.4 m.	Grey clay and gravel with water-worn pebbles		
3.4 m. - 7.0 m.	Cream and white Sap.	Br. 83	Y. 29%
7.0 m. - 14.6 m.	Cream and white Sap.	82	24
14.6 m. - 21.3 m.	Cream and white Sap., feldspars both soft and fine sugary to brittle	84	18
21.3 m. - 27.4 m.	As above with less soft feldspars	83.5	14
3.4 m. - 27.4 m.	Bulk sample to U.S.A.		

Bore No. NT 637

Position: NT Grid 6400'S 000

Date: 6-7-71

Drill: 5" Churn

0 m. - 0.6 m.	Black sand		
0.6 m. - 9.1 m.	Brown and grey drift		
9.1 m. - 15.2 m.	White granitic drift, clay bands, water-worn pebbles	Br. 83.5	Y. 18%
15.2 m. - 21.3 m.	Top of cream and white Sap., some drift	80	15
21.3 m. - 27.4 m.	Cream and white Sap., feldspars partly hard	81	17
27.4 m. - 30.5 m.	Cream and white Sap., feldspars brittle	78	15

Bore No. NT 638

Position: NT Grid 6600'S 600'W

Date: 7-7-71

Drill: 5" Churn - Water at 1 m.

0 m. - 1.8 m.	Hard brown gravelly drift		
1.8 m. - 4.3 m.	Dark brown drift		
4.3 m. - 5.5 m.	Brown drift with wash		
5.5 m. - 10.7 m.	Cream and white Sap., slight stain at top	Br. 82	Y. 23%
10.7 m. - 16.8 m.	Cream and white Sap., some feldspar fine sugary to brittle	82.5	16

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Bore No. NT 638 contd.

16.8 m. - 17.7 m.	Cream and white Sap., some felspar fine sugary to brittle, slight yellowing	Br. 79.5	Y. 14%
17.7 m. - 21.0 m.	Yellow and white Sap., some hard felspar		
5.5 m. - 17.7 m.	Bulk sample to U.S.A.		

Bore No. NT 639

Position: NT Grid 5600'S 400'W
 Date: 7-7-71
 Drill: 5" Churn - Water at 0.6 m.

0 m. - 4.0 m.	Brown drift		
4.0 m. - 8.8 m.	Green and white Sap., green biotite with white feldspars soft and hard, Fe brown at base		

Bore No. NT 640

Position: NT Grid 5600'S 200'W
 Date: 7-7-71
 Drill: 5" Churn - Water at 0.6 m.

0 m. - 1.5 m.	Black soil and gravel		
1.5 m. - 4.0 m.	Grey clay and gravel		
4.0 m. - 4.9 m.	Brown clay and gravel		
4.9 m. - 11.3 m.	Green and white Sap., hard feldspars		

Bore No. NT 641

Position: NT Grid 6000'S 400'W
 Date: 8-7-71
 Drill: 5" Churn - Water at 0.6 m.

0 m. - 0.6 m.	Black soil and gravel		
0.6 m. - 3.0 m.	Brown drift		
3.0 m. - 9.1 m.	Cream and white Sap.	Br. 80	Y. 19%
9.1 m. - 12.2 m.	Cream and white Sap., fine sugary feldspars	81.5	16
12.2 m. - 15.2 m.	Cream and white Sap., brittle feldspars, Fe stain at base	80	16
15.2 m. - 18.3 m.	Yellow and white Sap., soft and hard feldspars		
3.0 m. - 15.2 m.	Bulk sample to U.S.A.		

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Bore No. NT 642

Position: NT Grid 6600'S 400'W

Date: 8-7-71

Drill: 5" Churn

0 m. - 0.3 m.	Black sand		
0.3 m. - 1.8 m.	Hard brown gravelly drift		
1.8 m. - 6.1 m.	Brown drift and wash		
6.1 m. - 9.1 m.	White granitic drift with patches of clay	Br. 81	Y. 22%
9.1 m. - 10.9 m.	Pale brown granitic wash		
10.9 m. - 16.8 m.	Cream and white Sap., soft feldspars	80	15
16.8 m. - 22.3 m.	Cream and white Sap., soft feldspars	79	16
22.3 m. - 22.9 m.	Yellow and white Sap., soft and hard feldspars		

Bore No. NT 643

Position: NT Grid 5600'S 82'W

Date: 9-7-71

Drill: 5" Churn - Water at 0.6 m.

0 m. - 0.6 m.	Black soil and gravel		
0.6 m. - 4.3 m.	Grey to pale brown granitic drift		
4.3 m. - 6.1 m.	Pale brown Sap.		
6.1 m. - 12.2 m.	Pale brown Sap., white feldspars soft and hard at base, trace of green	Br. 73	Y. 19%

Bore No. NT 644

Position: NT Grid 2200'N 200'W

Date: 13-7-71

Drill: 5" Churn - Water at 13.5 m.

0 m. - 1.5 m.	Brown clay and gravel		
1.5 m. - 3.0 m.	Pale brown stained Sap.		
3.0 m. - 3.7 m.	Pale brown stained Sap., less stain		
3.7 m. - 9.1 m.	White Sap., coarse quartz, little stain	Br. 83	Y. 29%
9.1 m. - 12.2 m.	White Sap., coarse quartz, little stain	82.5	22
12.2 m. - 15.2 m.	White Sap., finer quartz, feldspars fine sugary at base	84.5	26
15.2 m. - 18.3 m.	Green, red, orange and white Sap., soft feldspars		

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Bore No. NT 645

Position: NT Grid 2200'N 200'E

Date: 13-7-71

Drill: 5" Churn - Water at 7.5 m.

0 m. - 0.3 m.	Gravel		
0.3 m. - 1.8 m.	Brown clay		
1.8 m. - 3.0 m.	Brown contaminated Sap.		
3.0 m. - 10.7 m.	White Sap., some stain at top	Br. 80.5	Y. 23%
10.7 m. - 13.7 m.	White Sap., fine sugary feldspars	81	16
13.7 m. - 16.8 m.	White Sap., fine sugary feldspars, Fe stains	81	21
16.8 m. - 19.8 m.	White to dark brown to green Sap., feldspars sugary to brittle		
3.0 m. - 15.2 m.	Bulk sample to U.S.A.		

Bore No. NT 646

Position: NT Grid 1800'N 600'W

Date: 14-7-71

Drill: 5" Churn - Water at 2.5 m.

0 m. - 0.6 m.	Gravelly soil
0.6 m. - 1.8 m.	Hard pan
1.8 m. - 5.5 m.	Gravelly drift
5.5 m. - 7.0 m.	Grey, low yield Sap.
7.0 m. - 10.7 m.	Grey, low yield Sap., becoming green

Bore No. NT 647

Position: NT Grid 1800'N 200'W

Date: 14-7-71

Drill: 5" Churn - Water at 6.5 m.

0 m. - 0.6 m.	Black sand		
0.6 m. - 3.4 m.	Brown drift		
3.4 m. - 4.3 m.	Brown and white contaminated Sap.		
4.3 m. - 9.1 m.	Yellowish Fe stained grading to white Sap.	Br. 79.5	Y. 28%
9.1 m. - 15.2 m.	White Sap.	80	20
15.2 m. - 19.0 m.	Greyish Sap., hard feldspars		
4.3 m. - 15.2 m.	Bulk sample to U.S.A.		

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Bore No. NT 648

Position: NT Grid 1800'N 200'E
Date: 15-7-71
Drill: 5" Churn - Water at 6.5 m.

- 0 m. - 0.9 m. Gravel
- 0.9 m. - 2.1 m. Hard pan
- 2.1 m. - 6.4 m. Brown Sap.
- 6.4 m. - 8.2 m. White and yellow Sap., soft feldspars
- 8.2 m. - 12.8 m. Yellow Sap., soft feldspars
- 12.8 m. - 15.9 m. White, yellow and green Sap., hard feldspars
- 15.9 m. - 20.7 m. White and yellow Sap., soft feldspars

Bore No. NT 649

Position: NT Grid 1800'N 600'E
Date: 19-7-71
Drill: 5" Churn - Water at 1 m.

- 0 m. - 0.6 m. Gravel
- 0.6 m. - 1.8 m. Cemented gravel
- 1.8 m. - 3.7 m. Brown gravelly drift
- 3.7 m. - 6.1 m. Off-white drift, wash at 5.5 m.
- 6.1 m. - 12.2 m. White to grey-white Sap. Br. 88 Y. 25%
- 12.2 m. - 15.2 m. White Sap., some Fe stain, feldspars sugary to brittle 84.5 18
- 15.2 m. - 21.9 m. Greyish Sap., sparse Fe stains, low yield
- 6.1 m. - 15.2 m. Bulk sample to U.S.A.

Bore No. NT 650

Position: NT Grid 1400'N 600'W
Date: 20-7-71
Drill: 5" Churn - Water at 12 m.

- 0 m. - 1.8 m. Black soil and gravel
- 1.8 m. - 3.0 m. Brown and white drift or Sap.
- 3.0 m. - 7.6 m. Pale brown and white Sap. Br. 76 Y. 34%
- 7.6 m. - 12.2 m. White Sap., green tint, soft and hard feldspars 79.5 23
- 12.2 m. - 15.2 m. Green tint and hard feldspars increasing, also Fe stain
- 3.0 m. - 12.2 m. Bulk sample to U.S.A.

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Bore No. NT 651

Position: NT Grid 1400'N 200'W
Date: 19-7-71
Drill: 5" Churn

0 m. - 0.6 m.	Black soil and gravel		
0.6 m. - 2.1 m.	Brown drift		
2.1 m. - 5.5 m.	Brown gravelly drift with bands of white clay		
5.5 m. - 9.1 m.	Cream Sap., some Fe stain	Br. 84	Y. 25%
9.1 m. - 15.2 m.	Cream and white Sap.	83	22
15.2 m. - 21.3 m.	Cream and white Sap., feldspars fine sugary to brittle	84	17
21.3 m. - 24.4 m.	Cream and white Sap., cream portions becoming pale green and white feldspars becoming harder		
5.5 m. - 15.2 m.	Bulk sample to U.S.A.		

Bore No. NT 652

Position: NT Grid 1400'N 000
Date: 20-7-71
Drill: 5" Churn

0 m. - 1.5 m.	Gravel		
1.5 m. - 2.1 m.	Hard pan		
2.1 m. - 3.7 m.	Brown and white drift		
3.7 m. - 9.8 m.	Pale brown and white Sap.	Br. 81.5	Y. 30%
9.8 m. - 15.2 m.	Pale brown and white Sap.	79.5	26
15.2 m. - 21.3 m.	Off-white Sap., sugary feldspars and fine mica at base	79.5	21
21.3 m. - 24.4 m.	Off-white Sap., feldspars mainly plastic	81	14
3.7 m. - 24.4 m.	Bulk sample to U.S.A.		

Bore No. NT 653

Position: NT Grid 1400'N 550'E
Date: 21-7-71
Drill: 5" Churn

0 m. - 0.6 m.	Soil and gravel		
0.6 m. - 3.7 m.	Brown gravelly drift		
3.7 m. - 11.6 m.	Tight brown drift with water-worn gravel		
11.6 m. - 12.2 m.	Tight brown drift with water-worn gravel, darker colour		

132

Bore No. NT 654

Position: NT Grid 1800'N 000
Date: 15-7-71
Drill: 5" Churn - Water at 19 m.

0 m. - 0.6 m.	Black soil and gravel		
0.6 m. - 4.9 m.	Heavily stained brown drift or Sap., with patches of white kaolin		
4.9 m. - 9.1 m.	White Sap., light staining at top	Br. 80	Y. 23%
9.1 m. - 15.2 m.	White Sap., green tint, feldspars pink and sugary to brittle at base	77	20
15.2 m. - 19.8 m.	Pale green to green to brown Sap.		
4.9 m. - 15.2 m.	Bulk sample to U.S.A.		

Bore No. NT 655

Position: NT Grid 2200'N 000
Date: 21-7-71
Drill: 5" Churn - Water at 14 m.

0 m. - 0.6 m.	Black sand		
0.6 m. - 3.0 m.	Brown drift		
3.0 m. - 4.6 m.	Brown and white Sap.		
4.6 m. - 9.1 m.	Pale brown and white to white Sap.	Br. 79.5	Y. 27%
9.1 m. - 15.2 m.	White Sap.	82	22
15.2 m. - 19.5 m.	Cream and white Sap., hard feldspars and green colour showing at base	77.5	18
4.6 m. - 19.5 m.	Bulk sample to U.S.A.		

Bore No. NT 656

Position: NT Grid 2200'N 400'E
Date: 21-7-71
Drill: 5" Churn

0 m. - 0.6 m.	Black soil and gravel		
0.6 m. - 2.1 m.	Brown drift		
2.1 m. - 2.7 m.	Dirty white Sap.		
2.7 m. - 10.1 m.	Cream and white Sap., feldspars slightly sugary at base	Br. 79	Y. 18%
2.7 m. - 10.1 m.	Bulk sample to U.S.A.		

Bore discontinued due to time lapse.

133

STRONACH BORES

Bore No. S200

Position: 40 metres at 143° magnetic from the central southern edge of abandoned tin workings (Gowlands) having standard map reference EQ505465

Date: 19-11-70

Drill: 5" Churn - Water at 0.3 m.

0 m. - 1.5 m.	Black gravel	
1.5 m. - 1.8 m.	Red clay	
1.8 m. - 3.0 m.	Off-white Sap.	Br. 80.0
3.0 m. - 4.6 m.	Cream Sap.	77.0
4.6 m. - 6.1 m.	Cream to light brown Sap.	75.0
6.1 m. - 7.6 m.	Cream to light brown Sap.	70.5
7.6 m. - 10.7 m.	Pale brown Sap.	
10.7 m. - 13.7 m.	Pale brown Sap., very wet	

Bore No. S201

Position: 50 metres at 40° magnetic from S200, also 30 metres at 150° magnetic from edge of workings

Date: 20-11-70

Drill: 5" Churn - Water at 6 m.

0 m. - 2.1 m.	Black soil
2.1 m. - 6.1 m.	Red and white clay
6.1 m. - 8.5 m.	Brown drift
8.5 m. - 12.2 m.	Brown mud
12.2 m. - 14.9 m.	Grey drift

Bore No. S202

Position: 63 metres at 185° magnetic from S200

Date: 21-11-70

Drill: 5" Churn - Water at 3.5 m.

0 m. - 1.5 m.	Black gravel	
1.5 m. - 6.1 m.	Red clay	
6.1 m. - 16.8 m.	Light brown Sap., becoming paler with depth	
16.8 m. - 18.3 m.	Light brown Sap., becoming paler with depth	Br. 71.0 Y. 30%

Bores Nos. S203, S204, S205 and S206

The above bores are all on the south side of Gowlands workings. They were drilled in drift to depths of 15 to 18 metres and were not surveyed.

Bore No. S207

Position: Edge of tailings flat East of Stronach workings, also 42 metres at 47° magnetic from S208

Date: 26-11-70

Drill: 5" Churn - Water at 7 m.

0 m. - 3.0 m.	Brown soil and drift		
3.0 m. - 4.6 m.	Cream and white Sap., some stains	Br. 80.6	Y. 30%
4.6 m. - 6.1 m.	Cream and white Sap., some stains	78.0	25
6.1 m. - 7.6 m.	Cream Sap.	79.2	24
7.6 m. - 9.1 m.	Cream Sap.	73.0	29
9.1 m. - 10.7 m.	Cream Sap.	76.1	24
10.7 m. - 12.2 m.	Cream Sap., yellowing with Fe staining	71.3	22
12.2 m. - 13.7 m.	Cream Sap., green tint, sandy texture		
13.7 m. - 15.2 m.	Green		

Bore No. S208

Position: 50 metres at 62° magnetic from S209

Date: 27-11-70

Drill: 5" Churn - Water at 6½ m.

0 m. - 1.5 m.	Brown soil and drift		
1.5 m. - 3.0 m.	Pale brown to cream Sap., with fine mica	Br. 78.7	Y. 21%
3.0 m. - 4.6 m.	Cream Sap.	75.5	20
4.6 m. - 6.1 m.	Cream Sap.	79.0	18
6.1 m. - 7.6 m.	Cream Sap.	78.6	23
7.6 m. - 9.1 m.	Cream Sap., brown to green tint, hard white feldspars	68.2	21
9.1 m. - 12.2 m.	Brown to green Sap.		

Bore No. S209

Position: 60 metres at 35° magnetic from S210

Date: 27-11-70

Drill: 5" Churn - Water at 4.5 m.

0 m. - 1.5 m. Brown soil and gravel

1.5 m. - 6.1 m. Green Sap.

Bore No. S210

Position: 52 metres at 37° magnetic from S211

Date: 27-11-70

Drill: 5" Churn - Water at 5.5 m.

0 m. - 2.7 m. Brown soil and drift

2.7 m. - 3.0 m. White clay

3.0 m. - 6.1 m. Brown to green Sap.

Bore No. S211

Position: 43 metres at 19° magnetic from S212

Date: 29-11-70

Drill: 5" Churn

0 m. - 1.5 m. Red soil and clay

1.5 m. - 7.6 m. Cream to green Sap., low yeild

Bore No. S212

Position: 45 metres at 21° magnetic from S213

Date: 29-11-70

Drill: 5" Churn

0 m. - 0.6 m. Black gravel

0.6 m. - 1.5 m. Red gravel

1.5 m. - 4.6 m. Off-white Sap.

4.6 m. - 5.2 m. Red and white Sap.

5.2 m. - 6.1 m. Red and green Sap.

6.1 m. - 7.6 m. Green Sap.

Bore No. S213

Position: 56 metres at 12⁰ magnetic from S214

Date: 30-11-70

Drill: 5" Churn - Water at 3.5 m.

0 m. - 1.5 m. Black gravel
 1.5 m. - 3.6 m. Grey gravel
 3.6 m. - 5.8 m. White Sap.
 5.8 m. - 7.6 m. White, brown and green Sap.

Bore No. S214

Position: 58 metres at 14⁰ magnetic from S215

Date: 30-11-70

Drill: 5" Churn - Water at 7 m.

0 m. - 2.4 m. Brown soil and gravel
 2.4 m. - 6.1 m. White Sap., some stain Br. 83.0 Y. 31%
 6.1 m. - 8.2 m. Brown to green Sap.

Bore No. S215

Position: 45 metres at 8⁰ magnetic from S216

Date: 30-11-70

Drill: 5" Churn

0 m. - 1.8 m. Brown soil and gravel
 1.8 m. - 2.7 m. Grey drift
 2.7 m. - 6.1 m. White to green ? Sap.

Bore No. S216

Position: 55 metres at 355⁰ magnetic from S217

Date: 1-12-70

Drill: 5" Churn

0 m. - 1.5 m. Brown soil and gravel
 1.5 m. - 7.0 m. Off-white drift
 7.0 m. - 9.1 m. Brown to green Sap.

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Bore No. S217

Position: 52 metres at 352° magnetic from S218
Date: 1-12-70
Drill: 5" Churn

- 0 m. - 0.6 m. Black gravel
- 0.6 m. - 1.8 m. Brown gravel
- 1.8 m. - 3.7 m. Off-white drift
- 3.7 m. - 4.9 m. White to green Sap.
- 4.9 m. - 6.4 m. Brown Sap.
- 6.4 m. - 7.6 m. Brown to green Sap.

Bore No. S218

Position: 57 metres at 331° magnetic from S219
Date: 2-12-70
Drill: 5" Churn

- 0 m. - 1.5 m. Brown soil and gravel
- 1.5 m. - 3.7 m. White to brown drift
- 3.7 m. - 9.1 m. Brown drift

Bore No. S219

Position: 43 metres at 339° magnetic from S220
Date: 2-12-70
Drill: 5" Churn

- 0 m. - 0.6 m. Black gravel
- 0.6 m. - 6.1 m. Brown drift

Bore No. S220

Position: North side of Gowlands workings, approximately magnetic north from S200
Date: 3-12-70
Drill: 5" Churn

- 0 m. - 0.6 m. Black gravel
- 0.6 m. - 1.2 m. Brown gravel
- 1.2 m. - 6.1 m. Cream Sap. Br. 81.8 Y. 23%
- 6.1 m. - 10.7 m. Pale brown Sap. 78.5 19
- 10.7 m. - 12.2 m. Green Sap.

Bore No. S221

Position: 63 metres at 70° magnetic from S214

Date: 4-12-70

Drill: 5" Churn - Water at 10 m.

0 m. - 3.4 m.	Brown drift		
3.4 m. - 6.1 m.	Cream and white Sap., some stain		
6.1 m. - 10.7 m.	Cream and white Sap., some stain	Br. 80.5	Y. 23%
10.7 m. - 13.7 m.	Cream and white Sap., some brown	79.0	19
13.7 m. - 15.2 m.	Brown to green Sap.		

Bore No. 1

Position: In Stronach workings, north side of tail race, see sketch plan No. M-B103

Date: 25-5-77

Drill: 5" Churn

0 m. - 1.5 m.	Stained Sap., grading to white		
1.5 m. - 3.0 m.	White Sap.	Br. 78.0	Y. 29.3%
3.0 m. - 4.5 m.	White Sap.	77	30.2
4.5 m. - 6.0 m.	White Sap., some brown, some hard felspar	77.5	28.4
6.0 m. - 7.5 m.	White Sap., green tinge, more hard felspar	76.5	27.7
7.5 m. - 8.5 m.	Green to brown Sap., with gritty felspars		
8.5 m. - 10.0 m.	Dark green Sap., with gritty felspars		

Bore No. 2

Position: South side of Stronach workings, see sketch plan No. M-B103

Date: 26-5-77

Drill: 5" Churn

0 m. - 1.5 m.	Brown drift		
1.5 m. - 3.0 m.	Light brown Sap.		
3.0 m. - 4.5 m.	White to pale green Sap., some brown	Br. 76.0	Y. 29.3
4.5 m. - 6.0 m.	White Sap., some brown	76.0	29.8
6.0 m. - 7.5 m.	White Sap.	79.0	25.6
7.5 m. - 9.0 m.	White Sap., some orange stains and some gritty felspars	77.0	22.9
9.0 m. - 10.5 m.	White Sap., few yellow stains, felspars softer	77.0	21.5
10.5 m. - 12.0 m.	White Sap., faint green, felspars gritty	72.0	21.8
12.0 m. - 13.5 m.	White Sap., green increasing, gritty pink		

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Bore No. 2 contd.

13.5 m. - 15.0 m. White Sap., showing green biotite

Bore No. 3

Position: South side of Stronach workings, see sketch plan M-B103

Date: 27-5-77

Drill: 5" Churn

- 0 m. - 7.5 m. Brown sandy drift
- 7.5 m. - 9.0 m. White Sap., ? kaolinised boulder
- 9.0 m. - 10.5 m. Light brown kaolinised drift
- 10.5 m. - 12.0 m. Cream kaolinised drift
- 12.0 m. - 13.5 m. Cream kaolinised drift, orange flecks
- 13.5 m. - 15.0 m. Cream drift or Sap.
- 15.0 m. - 16.5 m. Cream Sap., gritty felspars, pale pink and green patches

Bore No. 4

Position: See sketch plan No. M-B103

Date: 28-5-77

Drill: 5" Churn

- 0 m. - 6.0 m. Sandy yellow drift
- 6.0 m. - 8.0 m. Grey drift
- 8.0 m. - 11.5 m. Yellow drift
- 11.5 m. - 15.0 m. Yellow and brown drift

Bore No. 5

Position: See sketch plan No. M-B103

Date: 28-5-77

Drill: 5" Churn

- 0 m. - 3.0 m. Sandy yellow drift
- 3.0 m. - Hard granite

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Bore No. 18/80

Position: North side of China Creek, Drift Face tailings area, see plan dated November 1980
Date: 28-3-80
Drill: 4" Auger

- 0 m. - 1.5 m. Clean gravel
- 1.5 m. - 3.0 m. Gravel and dark coloured clay
- 3.0 m. - 4.6 m. Dark gravelly clay
- 4.6 m. - 5.2 m. Brown clay and heavy wash
- 5.2 m. ? Hard pan or hard granite, no penetration by auger

Bore No. 19/80

Position: North side of China Creek, see plan dated November 1980
Date: 28-3-80
Drill: 4" Auger

- 0 m. - 1.5 m. Grey sandy gravel
 - 1.5 m. - 3.0 m. Brown sand and gravel
 - 3.0 m. - 4.6 m. Brown then cream sandy clay
 - 4.6 m. - 6.1 m. Brown sand and mud, very wet
 - 6.1 m. - 10.7 m. Probable light brown Sap., dries white
 - 10.7 m. - 15.2 m. Probable light brown Sap., formation more solid, sample from two bottom augers
- Br. 75 Y. 25.9%

Bore No. 20/80

Position: North side of China Creek, see plan dated November 1980
Date: 29-3-80
Drill: 4" Auger

- 0 m. - 1.5 m. Yellow soil and gravel
- 1.5 m. - 3.0 m. Cream gravelly clay
- 3.0 m. - 4.6 m. Off-white clay with fine grit
- 4.6 m. - 7.6 m. Brown sand and mud, very wet
- 7.6 m. - 15.2 m. Formation becoming more solid, white and stained Sap., on bottom auger

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Bore No. 21/80

Position: South side of China Creek, see plan dated November 1980

Date: 31-3-80

Drill: 4" Auger

- 0 m. - 1.5 m. Yellow soil and gravel
- 1.5 m. - 3.0 m. Off-white clayey gravel
- 3.0 m. - 4.6 m. Off-white fine grained ? aplite Sap.
- 4.6 m. - 6.1 m. Off-white fine grained ? aplite Sap., very wet
- 6.1 m. - 18.3 m. Off-white, ? Sap., very wet, sample
from bottom auger Br. 75 Y. 19.9%

Bore No. 22/80

Not drilled

Bore No. 23/80

Position: South side of China Creek, see plan dated November 1980

Date: 1-4-80

Drill: 4" Auger

- 0 m. - 1.5 m. Soil
- 1.5 m. - 3.0 m. Gravel
- 3.0 m. - 6.1 m. Grey gravel, wet
- 6.1 m. - 9.1 m. Cream ? Sap.
- 9.1 m. - 12.2 m. Cream probable Sap.
- 12.2 m. - 15.2 m. Cream probable Sap., becoming green
- 15.2 m. - Hard bottom

Bore No. 24/80

Position: South side of China Creek, see plan dated November 1980

Date: 2-4-80

Drill: 4" Auger

- 0 m. - 1.5 m. Yellow-brown soil
- 1.5 m. - 3.0 m. White sand and clay
- 3.0 m. - 6.1 m. Off-white, fine grained ? aplite Sap. Br. 75.5 Y. 29.6%
- 6.1 m. - 18.3 m. White to cream Sap., brown at base,
wet 70 28.9

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Bore No. 1/81

Position: North side of China Creek, about 200 metres at 75° magnetic from No. 21/80, at end of formed track

Date: 25-3-81

Drill: 5" Churn

0 m. - 3.0 m. Cream to brown drift with large pebbles

3.0 m. - 12.2 m. Cream to off-white drift

12.2 m. - 15.2 m. White clayey drift with pebbles

Bore No. 2/81

Position: North side of China Creek, on formed track 22 metres at 208° magnetic from No. 19/80

Date: 30-3-81

Drill: 5" Churn

0 m. - 1.5 m. Grey soil and gravel

1.5 m. - 4.6 m. Cream and white drift, soft white pebbles

4.6 m. - 6.1 m. Pale yellow drift

6.1 m. - 7.6 m. Intense yellow drift, some patches of white clay

7.6 m. - 9.1 m. Cream drift with large patches of white clay

9.1 m. - 10.7 m. White drift, resembles Sap.

10.7 m. - 11.9 m. Yellowish drift, resembles Sap.

Bore No. 3/81

Position: South side of China Creek, 20 metres at 84° magnetic from No. 24/80

Date: 31-3-81

Drill: 5" Churn

0 m. - 1.5 m. Grey soil and gravel

1.5 m. - 2.4 m. Brown to white Sap.

2.4 m. - 3.0 m. Dirty white Sap.

3.0 m. - 4.6 m. Off-white Sap. Br. 76.0 Y. 23.4%

4.6 m. - 6.1 m. Off-white Sap. 76.5 19.5

6.1 m. - 7.6 m. Off-white Sap. 77.5 19.7

7.6 m. - 9.1 m. Off-white Sap. 76.5 19.7

9.1 m. - 10.7 m. Off-white Sap., yellow at base

Bore No. 4/81

Position: South side of China Creek, 10 metres at 161° magnetic
from No. 21/80

Date: 1-4-81

Drill: 5" Churn

- 0 m. - 1.5 m. Brown soil and gravel
- 1.5 m. - 3.0 m. Cream clay and gravel
- 3.0 m. - 4.6 m. Pale brown clay and gravel
- 4.6 m. - 6.1 m. Off-white drift, resembles Sap.
- 6.1 m. - 7.6 m. Pale brown clay and gravel with large soft pebbles
- 7.6 m. - 9.1 m. Cream clay and gravel with large soft pebbles
- 9.1 m. - 12.2 m. Off-white clay and gravel with large soft pebbles

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MARYVALE BORES

Bore No. 43

Position: See plan dated November 1981

Date: February 1971

Drill: 4" Auger

0 m. - 0.3 m. Soil
0.3 m. - 3.0 m. Drift
3.0 m. - 11.9 m. White Sap.

Br. 72 Y. 27.9%

Bore No. 44

Position: See plan dated November 1981

Date: February 1971

Drill: 4" Auger

0 m. - 0.9 m. Soil
0.9 m. - 3.7 m. Drift
3.7 m. - 5.5 m. Brown Sap.
5.5 m. - 11.9 m. White Sap.

Br. 76 Y. 27.9%

Bore No. 45

Position: See plan dated November 1981

Date: February 1971

Drill: 4" Auger

0 m. - 0.3 m. Soil
0.3 m. - 1.8 m. Drift
1.8 m. - 3.7 m. Sap., and drift
3.7 m. - 4.6 m. Near-white Sap.
4.6 m. - 11.9 m. White Sap.

Br. 80 Y. 33.5%

Bore No. 46

Position: See plan dated November 1981

Date: February 1971

Drill: 4" Auger

0 m. - 0.9 m. Gravel
0.9 m. - 5.5 m. Drift

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Bore No. 46 contd.

5.5 m. - 9.4 m. Brown Sap.

9.4 m. - 11.9 m. White Sap.

Br. 80 Y. 13.6%

Bore No. 47

Position: See plan dated November 1981

Date: February 1971

Drill: 4" Auger

0 m. - 0.3 m. Soil

0.3 m. - 3.7 m. Drift

3.7 m. - 5.5 m. Brown Sap., or drift

Bore No. 1

Position: See plan dated November 1981

Date: 25-5-76

Drill: 5" Churn

0 m. - 4.0 m. Soil and gravel

4.0 m. - 6.0 m. Stained Sap.

Br. 70 Y. 29%

6.0 m. - 9.0 m. Cream and white Sap.

77 26

9.0 m. - 14.0 m. Cream and white Sap., some brown,
some hard felspar

74 24

14.0 m. - 17.0 m. Cream and white Sap., slight yellowing,
more hard felspar

74 23

17.0 m. - 17.5 m. Cream and white Sap., yellow increasing
more hard felspar

Bore No. 2

Position: See plan dated November 1981

Date: 27-5-76

Drill: 5" Churn

0 m. - 3.5 m. Black sand and hard pan

3.5 m. - 5.0 m. Cream and white Sap., some stain

Br. 63 Y. 27%

5.0 m. - 6.5 m. Cream and white Sap., some stain

72 39

6.5 m. - 8.0 m. Cream and white Sap., some sugary
felspar

75.5 33

8.0 m. - 8.5 m. Cream and white Sap., some sugary
felspar

78 36

8.5 m. - ? Hard substance, could not penetrate

Bore No. 3

Position: See plan dated November 1981
Date: 7-6-76
Drill: 5" Churn

0 m. - 1.5 m. Cemented sand
1.5 m. - 7.5 m. Brown and white drift
7.5 m. - 12.0 m. White drift, at base water-worn
quartz pebbles embedded in white
kaolin

Bore No. 4

Position: See plan dated November 1981
Date: 11-6-76

0 m. - 5.0 m.	Soil and drift		
5.0 m. - 6.0 m.	Greyish Sap.	Br. 67.5	Y. 27.5%
6.0 m. - 7.0 m.	Greyish Sap.	67	35
7.0 m. - 7.5 m.	Greyish Sap., some yellow	67	35
7.5 m. - 9.0 m.	Off-white Sap.	76	35.5
9.0 m. - 10.5 m.	White Sap.	80.5	33.5
10.5 m. - 12.0 m.	White Sap., some yellow	80	31
12.0 m. - 13.5 m.	Yellow Sap., fine sugary white felspar	80.5	30
13.5 m. - 15.0 m.	Yellow Sap., fine sugary white felspar	75	28
15.0 m. - 16.5 m.	Yellow Sap., fine sugary white felspar	79	28

CUCKOO ROAD BORES

Bore No. 1

Position: See plan dated November 1981

Date: 24-8-78

Drill: 5" Churn

- 0 m. - 2.4 m. Brown gravel
- 2.4 m. - 7.6 m. Yellow to brown drift
- 7.6 m. - 8.5 m. White Sap.
- 8.5 m. - 12.2 m. Yellow and brown Sap., or drift
- 12.2 m. - 15.2 m. Brown to green Sap., hard felspar

Bore No. 2

Position: See plan dated November 1981

Date: 25-8-78

Drill: 5" Churn

- 0 m. - 3.0 m. Brown soil, gravel and pebbles
- 3.0 m. - 12.2 m. Brown drift, white kaolinised felspar throughout

Bore No. 3

Position: See plan dated November 1981

Date: 8-9-78

Drill: 5" Churn

- 0 m. - 2.4 m. Gravel and sandy clay
- 2.4 m. - 5.2 m. Gravel and sandy clay
- 5.2 m. - 6.1 m. Top of Sap.
- 6.1 m. - 7.6 m. White and yellow low-yield Sap.
- 7.6 m. - 9.1 m. Colour improving, low-yield Sap.
- 9.1 m. - 13.7 m. White low-yield Sap. Br. 78.0 Y. 15.1%
- 13.7 m. - 15.2 m. Brown and white Sap.
- 15.2 m. - 16.8 m. White Sap., some brown, mainly sugary felspar

Bore No. 4

Position: See plan dated November 1981

Date: 11-9-78

Drill: 5" Churn

- 0 m. - 3.0 m. Brown clay
- 3.0 m. - 4.6 m. Yellow-white clayey drift
- 4.6 m. - 6.1 m. White clayey drift
- 6.1 m. - 7.6 m. White clayey drift
- 7.6 m. - 9.1 m. White drift with fine mica
- 9.1 m. - 12.2 m. White drift with fine mica
- 12.2 m. - 13.7 m. Mottled brown drift, large quartz pebbles,
also soft sandstone and mudstone pebbles
- 13.7 m. - 15.2 m. Similar to above, more coloured

Bore No. 5

Position: See plan dated November 1981

Date: 12-9-78

Drill: 5" Churn

- 0 m. - 1.5 m. Grey gritty clay
- 1.5 m. - 3.0 m. Light brown clay
- 3.0 m. - 7.6 m. Cream clayey drift
- 7.6 m. - 12.2 m. Brown mottled drift

NORTH TONGANAH ADDITIONAL BORESBore No. 280A

Position: NT Grid 5100'S 375'W

Date: 28-2-78

Drill: 5" Churn

0 m. - 0.6 m.	Surface soil		
0.6 m. - 1.2 m.	Hard pan		
1.2 m. - 5.5 m.	Brown to grey to white clay with gravel and some heavy wash		
5.5 m. - 6.1 m.	Top of Sap., with water-worn stones		
6.1 m. - 7.6 m.	Near-white Sap.	Br. 78.0	Y. 22.9%
7.6 m. - 9.1 m.	Near-white Sap.	77.0	22.0
9.1 m. - 10.7 m.	Near-white Sap.	77.0	22.4
10.7 m. - 12.2 m.	Near-white Sap., some sugary felspar	74.5	22.4
12.2 m. - 13.7 m.	Near-white Sap., some sugary felspar	73.5	19.9
13.7 m. - 15.2 m.	Less white Sap., hard felspar increasing	74.0	17.2
15.2 m. - 16.8 m.	Less white Sap., hard felspar increasing, trace of green	73.5	19.5
16.8 m. - 18.3 m.	Green colour and hard felspars increasing		
18.3 m. - 19.8 m.	Green colour and hard felspars increasing		

Bore No. NT 280B

Position: NT Grid 5200'S 275'W

Date: 3-3-78

Drill: 5" Churn

0 m. - 2.7 m.	Surface soil grading to brown then cream clay		
2.7 m. - 4.6 m.	Top of Sap., some brownish clay	Br. 76.0	Y. 37.8%
4.6 m. - 6.1 m.	Pale brown to cream Sap.	76.0	35.7
6.1 m. - 7.6 m.	Cream Sap.	77.0	36.0
7.6 m. - 9.1 m.	Cream Sap.	74.5	31.8
9.1 m. - 10.7 m.	Cream Sap., sugary felspars, wet	53.8	27.2
10.7 m. - 12.2 m.	Cream Sap., sugary felspars increasing	71.0	27.5
12.2 m. - 13.7 m.	Green tinge, sugary felspars increasing		
13.7 m. - 15.2 m.	Green tinge increasing, hard felspar increasing		
15.2 m. - 16.8 m.	Green tinge increasing, hard felspar increasing		

Bore No. NT 280C

Position: NT Grid 5300'S 375'W

Date: 7-3-78

Drill: 5" Churn

0 m. - 4.6 m.	Surface soil grading to brown and yellow clayey drift		
4.6 m. - 6.1 m.	Pale brown top of Sap.	Br. 76.0	Y. 28.8%
6.1 m. - 7.6 m.	White Sap.	80.5	26.1
7.6 m. - 9.1 m.	White Sap.	83.5	27.0
9.1 m. - 10.7 m.	White Sap.	82.5	23.6
10.7 m. - 12.2 m.	White Sap., secondary mica	82.5	25.9
12.2 m. - 13.7 m.	White Sap., secondary mica	82.5	26.1
13.7 m. - 15.2 m.	White Sap., sugary feldspars	81.0	24.0
15.2 m. - 16.8 m.	White Sap., sugary feldspars increasing	80.5	22.9
16.8 m. - 18.3 m.	White Sap., sugary feldspars increasing	80.0	24.0
18.3 m. - 21.3 m.	White Sap., sugary feldspars increasing		
21.3 m. - 22.8 m.	White Sap., hard feldspars, green tint		
22.8 m. - 24.4 m.	White Sap., hard feldspars, green tint increasing		

Bore No. NT 280D

Position: NT Grid 5200'S 475'W

Date: 8-3-78

Drill: 5" Churn

0 m. - 1.2 m.	Surface soil and yellow clay		
1.2 m. - 1.8 m.	Hard pan		
1.8 m. - 3.7 m.	White drift		
3.7 m. - 4.6 m.	Pale brown Sap., secondary mica	Br. 70.0	Y. 31.1%
4.6 m. - 6.1 m.	White Sap., secondary mica	70.5	27.0
6.1 m. - 7.6 m.	White Sap., secondary mica	72.5	22.9
7.6 m. - 9.1 m.	White Sap., secondary mica, some sugary feldspar	73.5	25.4
9.1 m. - 10.7 m.	White Sap., some sugary feldspar	78.0	23.6
10.7 m. - 12.2 m.	White Sap., hard feldspar		
12.2 m. - 13.7 m.	White Sap., hard feldspar, green tint		
13.7 m. - 15.2 m.	White Sap., hard feldspar, green tint increasing		

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909153

Bore No. NT 701

Position: NT Grid 2000'N 133'E
 Date: 14-9-78
 Drill: 5" Churn

0 m. - 0.6 m.	Soil		
0.6 m. - 1.5 m.	Hard pan		
1.5 m. - 4.0 m.	Yellow and white drift		
4.0 m. - 4.6 m.	Yellowish Sap.		
4.6 m. - 6.1 m.	Pale yellow Sap.	Br. 76.0	Y. 33.4%
6.1 m. - 7.6 m.	White Sap., creamy texture	80.0	28.4
7.6 m. - 9.1 m.	White Sap., creamy texture	81.5	27.0
9.1 m. - 10.7 m.	White Sap.	80.0	20.2
10.7 m. - 12.2 m.	White Sap., some hard felspar	81.0	19.0
12.2 m. - 13.7 m.	White Sap., sugary felspars	81.5	18.3
13.7 m. - 15.2 m.	White Sap., sugary felspars increasing	80.5	18.3
15.2 m. - 16.8 m.	White Sap., hard felspar, some green	81.5	14.9
16.8 m. - 18.3 m.	White Sap., hard felspar, some green	81.5	18.3
18.3 m. - 19.8 m.	White Sap., hard felspar		
19.8 m. - 21.3 m.	White Sap., little felspar mainly quartz recovered		

Bore No. NT 702

Position: NT Grid 2000'N 266'E
 Date: 15-9-78
 Drill: 5" Churn

0 m. - 0.6 m.	Soil and gravel		
0.6 m. - 1.5 m.	Hard pan		
1.5 m. - 4.0 m.	Yellow and white clayey drift		
4.0 m. - 4.6 m.	Yellowish Sap.		
4.6 m. - 6.1 m.	White Sap., yellow stain	Br. 75.5	Y. 20.6%
6.1 m. - 7.6 m.	White Sap., heavier stain		
7.6 m. - 10.7 m.	White Sap., some sugary felspar	78.0	16.0
10.7 m. - 13.7 m.	White Sap., sugary texture increasing	70.0	14.9
13.7 m. - 16.8 m.	White Sap., low core recovery		
16.8 m. - 18.3 m.	Nearly all quartz, some green colour		

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909154

Bore No. NT 703

Position: NT Grid 1800'N 100'E
Date: 18-9-78
Drill: 5" Churn

- 0 m. - 0.6 m. Sand and soil
- 0.6 m. - 3.4 m. Brown clay
- 3.4 m. - 7.6 m. White and yellow Sap., sugary felspar
- 7.6 m. - 10.7 m. Green Sap.

Bore No. NT 704

Position: NT Grid 1800'N 300'E
Date: 18-9-78
Drill: 5" Churn

- 0 m. - 0.3 m. Sand and soil
- 0.3 m. - 2.4 m. Brown clay
- 2.4 m. - 8.5 m. Yellow and white Sap.
- 8.5 m. - 15.2 m. Yellow and white Sap., sugary felspars
- 15.2 m. Hard bottom

NOTE: The colour in NT 703 and NT 704 comes from yellow-orange patches in the Sap., which is not completely kaolinised.

Bore No. NT 705

Position: NT Grid 1700'N 000
Date: 20-9-78
Drill: 5" Churn

- 0 m. - 0.6 m. Soil and sand
- 0.6 m. - 3.0 m. Brown clay
- 3.0 m. - 4.6 m. White and yellow drift
- 4.6 m. - 6.1 m. Near-white Sap., creamy texture Br. 80.0 Y. 26.6%
- 6.1 m. - 7.6 m. Near-white Sap., slight yellow, some granular felspar 82.5 29.5
- 7.6 m. - 9.1 m. Near-white Sap., slight scarlet, some granular felspar 79.0 34.1
- 9.1 m. - 12.2 m. Near-white Sap., some granular felspar 81.5 28.4
- 12.2 m. - 13.7 m. Near-white Sap., creamy texture 80.5 26.3
- 13.7 m. - 15.2 m. Near-white Sap., some yellow, more granular felspar 81.5 24.3
- 15.2 m. - 16.8 m. Near-white Sap., more yellow, hard felspar 79.0 25.4
- 16.8 m. - 18.3 m. Little kaolin, hard brown felspar, some green

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909155

Bore No. NT 706

Position: NT Grid 1500'N 000
 Date: 21-9-78
 Drill: 5" Churn

0 m. - 0.9 m.	Sand and hard pan		
0.9 m. - 4.6 m.	Brown clay		
4.6 m. - 6.1 m.	Yellow to white Sap.		
6.1 m. - 7.6 m.	Yellowish Sap., some granular felspar	Br. 80.0	Y. 24.5%
7.6 m. - 10.7 m.	Off-white Sap.	80.0	25.9
10.7 m. - 12.2 m.	Off-white Sap., flecks of yellow	80.5	27.7
12.2 m. - 13.7 m.	Off-white Sap., orange to scarlet flecks	76.0	27.0
13.7 m. - 16.8 m.	Yellowish Sap., hard felspar	80.5	23.8
16.8 m. - 18.3 m.	Yellowish Sap., more hard felspar	79.5	22.9
18.3 m. - 21.3 m.	Off-white Sap., yellow to green tint, hard felspar	76.5	17.6
21.3 m. - 24.4 m.	Off-white Sap., yellow to green tint, more hard felspar	75.0	19.7
24.4 m. - 25.9 m.	Off-white Sap., yellow to green tint, more hard felspar		
25.9 m. - 27.4 m.	Little kaolin, little colour		

Bore No. NT 707

Position: NT Grid 1600'N 266'E
 Date: 26-9-78
 Drill: 5" Churn

0 m. - 0.6 m.	Soil and sand		
0.6 m. - 1.5 m.	Grey hard pan		
1.5 m. - 3.7 m.	Brown drift		
3.7 m. - 6.1 m.	White and yellow Sap.		
6.1 m. - 7.6 m.	White Sap., yellow flecks	Br. 80.0	Y. 29.8%
7.6 m. - 10.7 m.	Cream and white Sap.	82.0	29.3
10.7 m. - 13.7 m.	Cream and white Sap.	82.5	28.9
13.7 m. - 16.8 m.	Cream and white Sap., some fine sugary felspar	82.5	29.3
16.8 m. - 19.8 m.	Cream and white Sap., sugary texture increasing	81.0	24.0
19.8 m. - 21.3 m.	Cream Sap., hard feldspars	78.0	21.3
21.3 m. - 22.9 m.	Little kaolin, little colour		

Bore No. NT 708

Position: NT Grid 1600'N 133'E
Date: 27-9-78
Drill: 5" Churn

0 m. - 0.6 m.	Soil and sand		
0.6 m. - 1.8 m.	Brown drift		
1.8 m. - 3.0 m.	Yellow and white drift		
3.0 m. - 4.6 m.	Yellow and white Sap.		
4.6 m. - 6.1 m.	Cream and white Sap., tinge of yellow	Br. 80.0	Y. 28.6%
6.1 m. - 9.1 m.	Cream and white Sap.	82.0	27.5
9.1 m. - 12.2 m.	Off-white Sap., fine secondary mica	81.0	30.2
12.2 m. - 15.2 m.	Off-white Sap., yellow tint, some sugary felspar	80.0	21.3
15.2 m. - 16.8 m.	Yellowish Sap., hard felspars	80.5	21.3
16.8 m. - 19.8 m.	Yellow Sap., hard felspars		

Bore No. NT 709

Position: NT Grid 1900'N 000
Date: 28-9-78
Drill: 5" Churn

0 m. - 7.6 m.	Not recorded		
7.6 m. - 9.1 m.	Grey-white Sap., poor texture	Br. 76.5	Y. 32.5%
9.1 m. - 12.2 m.	Off-white Sap., trace of yellow	79.0	31.8
12.2 m. - 15.2 m.	White Sap.	77.0	24.5
15.2 m. - 18.3 m.	Grey-white Sap., low yield	71.0	26.3
18.3 m. - 21.3 m.	Grey-white Sap., low yield, little core recovery at base	74.5	26.1

Bore No. NT 710

Position: NT Grid 2100'N 000
Date: 2-10-78
Drill: 5" Churn

0 m. - 0.6 m.	Soil and sand		
0.6 m. - 3.0 m.	Brown to yellow drift		
3.0 m. - 4.6 m.	Cream Sap.	Br. 77.5	Y. 37.6%
4.6 m. - 7.6 m.	White Sap., some orange flecks, pale yellow felspar	78.0	37.6

Bore No. NT 710 contd.

7.6 m. - 10.7 m.	Cream to faint yellow Sap.	Br. 75.0	Y. 33.2%
10.7 m. - 13.7 m.	Cream to faint yellow Sap.	79.0	29.3
13.7 m. - 16.8 m.	Cream to faint yellow Sap., gritty felspars	75.5	25.2
16.8 m. - 19.8 m.	Yellow Sap., some orange, more hard felspar	75.5	22.0

Bore No. NT 628B

Position: NT Grid 5400'S 100'W
 Date: 19-3-80
 Drill: 4" Auger

0 m. - 2.4 m.	Soil and brown gravel		
2.4 m. - 3.0 m.	Stained Sap.		
3.0 m. - 10.6 m.	White Sap.	Br. 76.0	Y. 36.2%
10.6 m. - 18.3 m.	White Sap.	78.0	31.6

Bore No. NT 628D

Position: NT Grid 5400'S 300'W
 Date: 19-3-80
 Drill: 4" Auger

0 m. - 3.7 m.	Soil and brown gravel		
3.7 m. - 15.2 m.	Mainly white Sap.	Upper Part	Br. 75.0 Y. 24.0%
		Lower Part	71.0 25.2 }
15.2 m. - 18.3 m.	Pale green to green Sap.		

Bore No. NT 333B

Position: NT Grid 5600'S 100'E
 Date: 19-3-80
 Drill: 4" Auger

0 m. - 3.0 m.	Clay and dirty Sap.		
3.0 m. - 4.6 m.	Stained Sap.		
4.6 m. - 16.8 m.	White Sap.	Upper Part	Br. 70.0 Y. 30.5%
		Lower Part	73.0 29.1 }
16.8 m. - 18.3 m.	Greenish Sap.		

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Bore No. NT 631D

Position: NT Grid 5800'S 300'W
Date: 19-3-80
Drill: 4" Auger

0 m. - 4.6 m. Brown gravelly clay
4.6 m. - 7.6 m. Brown clay or Sap.
7.6 m. - 18.3 m. White Sap.

Upper Part Br. 76.0 Y. 27.5%
Lower Part 76.5 28.4 }

Bore No. NT 636B

Position: NT Grid 6400'S 300'W
Date: 20-3-80
Drill: 4" Auger

0 m. - 1.5 m. Brown gravelly soil
1.5 m. - 4.6 m. Brown clay and gravel
4.6 m. - 7.6 m. Probable Sap., stained
7.6 m. - 12.2 m. Cream Sap.
12.2 m. - 18.3 m. White Sap.

Br. 79 Y. 34.1%

Bore No. NT 636D

Position: NT Grid 6400'S 500'W
Date: 20-3-80
Drill: 4" Auger

0 m. - 4.6 m. Brown clay and gravel
4.6 m. - 7.6 m. Grey and brown clayey drift
7.6 m. - 9.1 m. Brown Sap.
9.1 m. - 12.2 m. Sap., colour improving
12.2 m. - 18.3 m. White Sap.
18.3 m. - ? White Sap.

Br. 74 Y. 26.8%

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Bore No. 1/80

Position: 100 metres at 260° magnetic from north-east angle of ML 58M/74 (now part of ML 38M/76)

Date: 17-3-80

Drill: 4" Auger

- 0 m. - 1.5 m. Light brown granitic drift
- 1.5 m. - 4.6 m. Cream probable Sap.
- 4.6 m. - 6.1 m. Yellow probable Sap.
- 6.1 m. - 7.6 m. Green probable Sap.

Bore No. 2/80

Position: About 200 metres at 102° magnetic from north-east angle of ML 58M/74

Date: 17-3-80

Drill: 4" Auger

- 0 m. - 1.5 m. Grey soil and gravel
- 1.5 m. - 3.0 m. Pale brown granitic drift, whitens on drying
- 3.0 m. - 4.6 m. Cream drift, some white clay
- 4.6 m. - 6.1 m. White granitic drift
- 6.1 m. - 7.6 m. Grey granitic drift
- 7.6 m. - 9.1 m. Brown granitic drift

Bore No. 3/80

Position: From No. 2/80 65 metres at 113° magnetic thence 100 metres at 70° magnetic

Date: 17-3-80

Drill: 4" Auger

- 0 m. - 1.5 m. Grey soil and gravel
- 1.5 m. - 3.0 m. Light brown granitic drift
- 3.0 m. - 4.6 m. Brown granitic drift
- 4.6 m. - 6.1 m. Cream granitic drift
- 6.1 m. - 9.1 m. Pale brown granitic drift
- 9.1 m. - 10.7 m. Pale green granitic drift

Bore No. 4/80

Position: From No. 3/80 25 metres at 123° magnetic, thence 75 metres at 105°, thence 50 metres at 80°, thence 40 metres at 72°, thence 100 metres at 53°

Date: 17-3-80

Drill: 4" Auger

- 0 m. - 1.5 m. Soil and gravel
- 1.5 m. - 6.1 m. Brown granitic drift
- 6.1 m. - 10.7 m. Pale green clay-like drift with fine black quartz

Bore No. 5/80

Position: From No. 4/80 80 metres at 67° magnetic

Date: 17-3-80

Drill: 4" Auger

- 0 m. - 1.5 m. Soil with brown water-worn gravel
- 1.5 m. - 3.0 m. Brown water-worn gravel
- 3.0 m. - 4.6 m. Light brown water-worn gravel
- 4.6 m. - 10.7 m. Off-white to grey granitic drift, whitens on drying, some water-worn quartz

Bore No. 6/80

Position: 60 metres at 315° magnetic from the south-west corner of 25A, OR.5P., plan No. 122/31, Jas. Simmons Purchaser, Parish of Kamona

Date: 18-3-80

Drill: 4" Auger

- 0 m. - 1.5 m. Soil and brown gravel
 - 1.5 m. - 4.6 m. Light brown gravel with clay
 - 4.6 m. - 6.1 m. Off-white clayey drift
 - 6.1 m. - 12.2 m. Off-white probable Sap., brown on bottom of auger. Sample average clean material
- Br. 69.0 Y. 27.5%

Bore No. 7/80

Position: Hill top due north of north-east angle of ML 58M/74
Date: 18-3-80
Drill: 4" Auger

- 0 m. - 1.5 m. Soil and brown gravel
- 1.5 m. - 6.1 m. Brown granitic gravel and clay with some water-worn pebbles
- 6.1 m. - 7.6 m. Similar but paler
- 7.6 m. - 10.7 m. Off-white fine grained drift or Sap.

BORES ON EAST SIDE OF NORTH TONGANAH ACCESS ROAD

Bore No. 25/80

Position: 65 metres at 123° magnetic from access road centre line at first culvert north of entrance gates
Date: 18-9-80
Drill: 4" Auger - Water at 11 m.

- 0 m. - 1.2 m. Grey gravel
- 1.2 m. - 3.0 m. Brown grading to brown and white clayey gravel
- 3.0 m. - 6.1 m. Similar to above
- 6.1 m. - 12.2 m. Coarse grey gravel with clay

Bore No. 26/80

Position: On crest 250 metres at 26° magnetic from No. 25/80
Date: 18-9-80
Drill: 4" Auger

- 0 m. - 1.5 m. Grey gravel
- 1.5 m. - 6.1 m. Brown and white gravelly clay
- 6.1 m. - 10.7 m. Coarse granitic wash, some carbonaceous material
- 10.7 m. - 15.2 m. Light brown clay with sharp quartz

Bore No. 27/80

Position: On east end of flat-topped ridge, 170 metres at
39½° magnetic from No. 26/80

Date: 18-9-80

Drill: 4" Auger

0 m. - 1.5 m. Grey gravel
1.5 m. - 6.1 m. Brown and white gravel and clay
6.1 m. - 9.1 m. Granitic gravel, some clay
9.1 m. - 12.2 m. Clayey wash, some carbonaceous material
12.2 m. - 15.2 m. Pale brown clay with fine sharp quartz

Bore No. 28/80

Position: On edge of lower terrace, 200 metres at 61° magnetic
from No. 27/80

Date: 19-9-80

Drill: 4" Auger

0 m. - 1.5 m. Grey gravel
1.5 m. - 4.6 m. Brown gravel and clay
4.6 m. - 9.1 m. Light brown granitic wash
9.1 m. - 13.7 m. Paler brown granitic wash
13.7 m. - 16.5 m. Near-white granitic drift
16.5 m. - 18.3 m. Yellow clay with some carbonaceous material

Bore No. 29/80

Position: 150 metres at 339° magnetic from No. 28/80

Date: 19-9-80

Drill: 4" Auger

0 m. - 1.5 m. Grey gravel
1.5 m. - 3.0 m. Grey clay and gravel
3.0 m. - 9.1 m. Light brown granitic wash
9.1 m. - 18.3 m. White to near-white probable Sap.

Bore No. 30/80

Position: 8 metres at 283° magnetic from No. 29/80
Date: 19-9-80
Drill: 4" Auger

- 0 m. - 0.9 m. Grey gravel
- 0.9 m. - 3.0 m. Brown ferruginous hard pan

BORES AT NORTH-EAST CORNER OF E.L. 20/70

Bore No. 14/80

Position: On entrance track at 42° magnetic from marking-out post
Date: 25-3-80
Drill: 4" Auger

- 0 m. - 1.5 m. Soil and gravel
- 1.5 m. - 3.0 m. Red-brown clay and gravel
- 3.0 m. - 6.1 m. Dark grey-brown clay with water-worn gravel
- 6.1 m. - 7.6 m. Brown Fe stained clay with fine grit

Bore No. 15/80

Position: 150 metres at 228° magnetic from marking-out post
Date: 25-3-80
Drill: 4" Auger

- 0 m. - 3.0 m. Light brown clayey soil and gravel
- 3.0 m. - 4.6 m. Pale yellow fine grained Sap., or drift
- 4.6 m. - 7.6 m. Cream to yellow Sap., or drift
- 7.6 m. - 9.1 m. Deeper yellow Sap., or drift

Bore No. 16/80

Position: 150 metres at 263° magnetic from No. 15/80
Date: 26-3-80
Drill: 4" Auger

- 0 m. - 1.5 m. Soil and gravel
- 1.5 m. - 4.6 m. Brown clayey gravel
- 4.6 m. - 7.6 m. Greenish fine grained Sap., or drift

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Bore No. 17/80

Position: 120 metres at 163^o magnetic from No. 15/80

Date: 26-3-80

Drill: 4" Auger

- 0 m. - 4.6 m. Brown clay with fine gravel
- 4.6 m. - 7.6 m. Green to brown fine grained Sap., or drift,
secondary mica prominent.