LOG

Res. No. 2

Sheet 1 of 3

Project: TALBOT ROAD RESERVOIR INVEST. & LEEKAGE
Location: Below pipe ledge below the car park. See Fig. 1

Date dug: 3-4/7/96
Sample No.: Grab sample every metre.
Logged by: W.R. Moore.

Equipment type Combined Auger & Diamond Drill
K. Richardson Ltd. Richmond

S L surface: 111 m.

Method	Penetration	Support	Water	Notes: samples, tests, etc	depth metres	Graphic log	USC symbol	Material: soil type: plasticity or particle characteristics, colour, secondary and minor components	Moisture Condition	Consistency rel. density	Hand penetrometer 100 200 300 400	Structure and additional observations
Auger		None	Dry	PT1 400-800 psi	1		Sm	0-2.0m. Sandy silt Silt - red brown, moderate to high plasticity. Sand > 10% fine with fine grey felspathic sand at base & MnO_2 bedded.	D	V St		0-4.05m. Sandy silts with sandy bands.
					2		CS					
					3		Mh & Sm	3.0-4.0m. Siltstone and silty sand. Silt, red orange, moderate to high plasticity. Flecked red & white. Silty sands, massive mottled		H		
				PT2 600-1000 psi	4			Total Auger Depth 4.05m. Refusal Changed to Diamond Drill				

Method
B bulldozer
BH backhoe bucket
E existing excavation
EX excavator
N natural exposure
R ripper
A auger.

Support
T timbering

Penetration
1 2 3 no resistance
ranging to refusal

water level and date
water inflow
water outflow

Notes - samples and tests
U50 - undisturbed sample 50 mm diameter
D - disturbed sample
N - standard penetration test: figure = result
N* - SPT + sample
NC - cone penetrometer

Classification symbols and soil description based on Unified Classification System

Moisture
D - dry
M - moist
W - wet

Consistency/relative density
VS - very soft
S - soft
F - firm
St - stiff
VSt - very stiff
H - hard
Fb - friable
VL - very loose
L - loose
MD - moderately dense
D - dense
VD - very dense

Drafted: P. Nankivell
Checked: W.R. Moore

DIAMOND DRILLING

LOG

Res. No. 2

Sheet 2 of 3

Project:
Location:

Date dug: 3-4/7/96
Sample No.: Not applicable
Logged by: W. R. Moore

Equipment type

S L surface:

Runs	Recovery %	Water	Notes samples, tests, etc	depth metres	Graphic Log	USC SYMBOL	Material: soil type, plasticity or particle characteristics, colour, secondary and minor components	Moisture Condition	Consistency rel.density	Hand penetrometer kPa	Structure and additional observations
				4		CH	4.0-4.3m. Clay, grey & orange - massive ironstone nod.	Water used in drilling	St	Not applicable	4.0-4.3m Clay.
				5		CH & Mh	4.3-5.6m. Clay & silt, closely interbedded with grey clays & mottled silts 1mm. layers.				4.3-5.6m. Closely bedded clay & silt.
				6		Mh	5.6-6.8m. Silt, red brown bedded 1-2mm. Flecked - white felspar, mod.-highly plastic, some grey clay layers.				5.6-6.8m. Bedded silt.
		Loss	S1 7.1m →	7		CH	6.8-7.5m. Clay - grey orange. Flecked closely bedded at base. One soft zone.		V St		6.8-7.5m. Bedded clay. Soft zone.
				8		Mh	7.5-9.3m. Silt - brown mottled & flecked - massive to poorley bedded. One vertical joint Fe+ Broken core.				7.5-9.3m. Massive. to poorly bedded silt.
				9			300mm. Ironstone bands. One vertical joint 8.4m. depth.				
				10		CH	9.3-10.1m. Clay - grey brown. Poorly bedded H.P. bands 50-70mm. and staining.				9.3-10.1m. Grey brown clay Fe+ stained.

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WL water level and date
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water outflow

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Drafted: P. Nankivell
Checked: W. R. Moore

LOG

Res. No. Z

Sheet 3 of 3

Project:
Location:

Date dug:
Sample No.:
Logged by:

Equipment type

S L surface:

Runs	Recovery %	Water	Notes: samples, tests, etc	depth metres	Graphic Log	USC symbol	Material: soil type: plasticity or particle characteristics, colour, secondary and minor components.	Moisture Condition	Consistency rel.density	hand penetrometer 100 200 300 400 kPa	Structure and additional observations
	0 100	Loss	S2 10.6m	10			10.1-11.5m. Clay, grey. Massive, highly plastic with iron nodules.				10.1-11.5m. Grey clay Potential failure zone.
				11		CH	Core loss - Approx. 1 metre.				
				12			11.5-13.0m. Clay, grey brown Massive to finely bedded ironstone - pebbles & bands 1-20mm. Grey clay massive H.P. brown-flecked texture.				11.5-14.6m. Brown-grey clay with limonite cemented bands.
				13			13.0-14.5m. Clay, grey brown Massive with (2) limonite bands 70-100mm thick. One soft zone.				
				14							
				15			Total depth 14.5m. (Required depth reached)				
				16							

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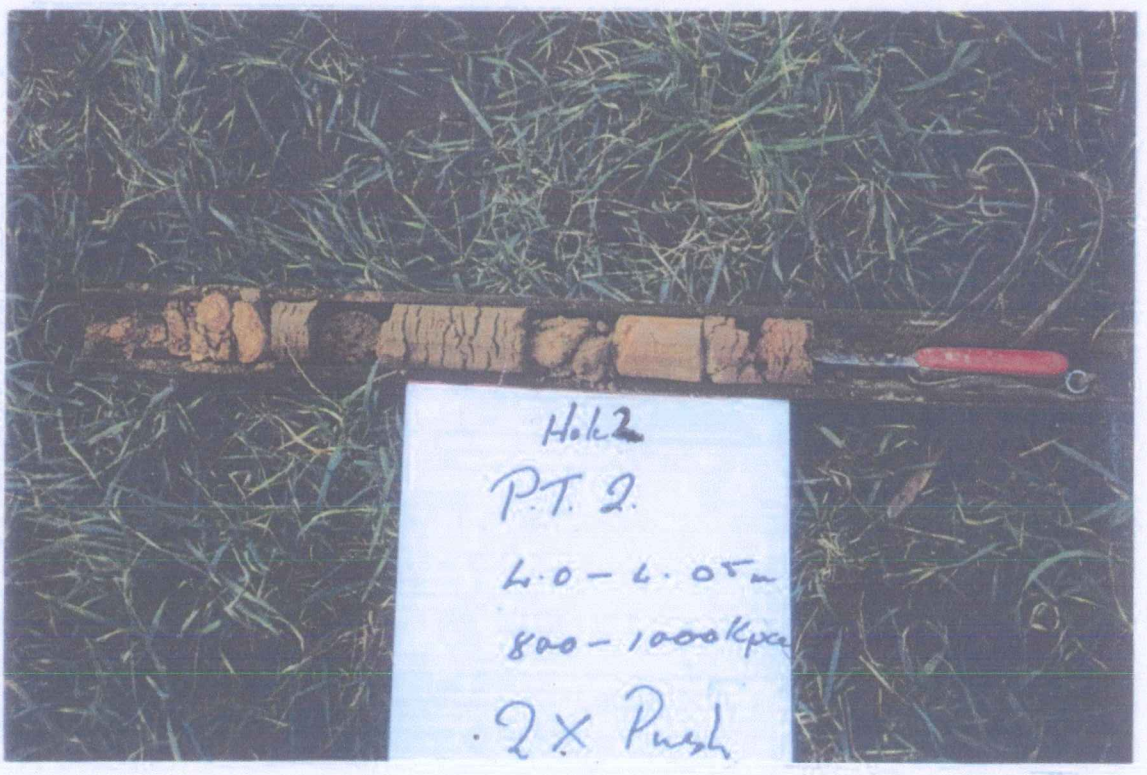
Drafted : P. Nankivell
Checked : W.R. Moore



Auger Drilling Hole R. 2 Push tube Samples. Plate.2.

South Launceston Seepage Investigation. Stage 5.

1996.

Bore Hole 2. Core from 4.0 to 14.8m. Plate.1.

South Launceston Seepage Investigation. Stage 5. 1996.