

engineering log — cored borehole

File No. 04.001

CHANNEL HWY
project: TARCONA InclInometers.
borehole location: Next to INCLINOMETER SITE I92-12

hole commenced: 9/4/92
hole completed: 14/4/92
supervised by: I BOOTH
log checked by: HK Tam

drill model and mounting: GEMCO + TRAILER slope: VERT deg.
barrel type and length: NQT 2.45" fluid MUD bearing: deg.
R. L. surface: m
datum: STATE Driller C. BAKER

drilling information			rock substance			rock mass defects		
method	case-lift	water	depth of metres	substance description rock type: grain characteristics, colour, structure, minor components.	strength Is (50)	defect spacing mm	defect description thickness, type, inclination, planarity, roughness, coating. particular general	
		Piezometer						
			0.0	Topsoil: Sandy, brown				
			2.0	Gravel: clayey, sandy, brown med.				
			4.0	CLAY: low plast, gravelly, yellow granular app				300 kpa
			6.0		23.528			cobble quartzite
			8.0	CLAY: high plast, yellow & carbonaceous matter present very stiff				350 kpa
			10.0					350 kpa
			12.0	: high plast, yellow & fine gritty bands, brown				380 kpa
				; sandy				7600 kpa
			14.0	: high plast yellow-brown & fine gravel				
			16.0	: high plast, & fine gravel brown				7600 kpa

key method AS auger screwing AD auger drilling R roller/tricone W washbore NMLC NMLC core drilling	case-lift casing used barrel withdrawn water 10 Oct, 73 water level date shown water inflow partial drilling water loss complete drilling water loss	graphic log/core loss core recovered (hatching indicates material) no core recovered	weathering Fr — fresh SW — slightly weathered MW — moderately weathered HW — highly weathered EW — extremely weathered	strength (indirect tensile strength) EL — extremely low VL — very low L — low M — medium H — high VH — very high EH — extremely high
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borehole no:
92-11
sheet 2 of 3

engineering log — cored borehole

File No. 04.001

CHANNEL HWY
project: TARDONA INCLINOMETERS.
borehole location: next to INCLINOMETER SITE I92-12

hole commenced: 9/4/92
hole completed: 11/14/92
supervised by: I BOOTH
log checked by: H. Tam

drill model and mounting: GEMCO + TRAILER slope: Vert deg.
barrel type and length: NQTT 2.45" fluid MUD bearing: deg.
R. L. surface: m
datum: Stake Driller G. BAKER

drilling information			rock substance				rock mass defects	
method	case-lift	water	depth m	substance description rock type: grain characteristics, colour, structure, minor components.	weathering	strength Is (50)	defect spacing mm	defect description thickness, type, inclination, planarity, roughness, coating. particular general
AS	1-102		18.0	CLAY: high plast, yellow-brown & fine gravel				18.2" = 530 kpa
			20.0	high plast, brown-grey mottled & carbonaceous bands fine gravel				18.9" = 300 kpa
			22.0	high plast grey, brown mottled & fine gravel				20.3 = 440 kpa highly polished slip surfaces @ 20.15 - 20.35" - 21.00" 25° 45° 45°
			24.0	high plast, yellow, brown & carbonaceous material and fine gravel (rounded)				22.6 = 350 kpa
			26.0	high plast, green-brown blocky structure, gravelly				24 = 450 kpa
			28.0	high plast, green-brown & fine quartz gravel				Quartz cob @ 266" (siltstone)
			30.0	high plast, green-brown & fine quartz gravel				Numerous slip surfaces EW Dol ?
			32.0	DOLERITE: MED GRAINED blue-brown clayey	SW -MW EW HW			highly polished slip surface @ 29.55" possible Quartzite cobbles

key method AS auger screwing AD auger drilling R roller/tricone W washbore NMLC NMLC core drilling	case-lift casing used H barrel withdrawn water 10 Oct, 73 water level date shown water inflow partial drilling water loss complete drilling water loss	graphic log/core loss } core recovered (hatching indicates material) } no core recovered	weathering Fr — fresh SW — slightly weathered MW — moderately weathered HW — highly weathered EW — extremely weathered	strength (indirect tensile strength) EL — extremely low VL — very low L — low M — medium H — high VH — very high EH — extremely high
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engineering log — cored borehole

File No. 04-001

CHANNEL HWY
project: TARCOWA INCLINOMETERS
borehole location: next to INCLINOMETER SITE I92-12
hole commenced: 9/1/92
hole completed: 14/1/92
supervised by: 1800TH
log checked by: HKJam

drill model and mounting: GEMCO + TRAILER slope: VERT deg.
barrel type and length: N&T 2.45" fluid mud bearing: deg.
R. L. surface: m
datum: STATE Driller C BAKER.

drilling information			rock substance			rock mass defects			
method	case-lift	water	depth m metres	graphic log core loss	substance description rock type: grain characteristics, colour, structure, minor components.	weathering	strength Is (50)	defect spacing mm	defect description thickness, type, inclination, planarity, roughness, coating. particular general
			0-0		DOLOMITE: clayey, green	EW			Rock's SW-NW DL
			0-0		granular app EW				
			1-1						
			0-0						
			34.0						
			0-0			EW			↑ NUMEROUS slip planes below 33.0" in EW DL
			0-0						
			0-0						
			1-1		: MED GRAINED, green	MW			
			1-1						
			1-1						
			38.0		: MED GRAINED, WHITE	SW			
			1-1						
			1-1						
			1-1						
			1-1						
			1-1						
			1-1						
			39.0		: MED GRAINED, WHITE	MW- HW			highly fractured
			1-1						
			1-1						
			1-1						
			1-1						
			1-1						
			1-1						
			40.0		: GREEN, clayey, granular app. dolomite	FR.			
			0-0						
			0-0						
			0-0						
			0-0						
			42.0		Mudstone: brown black organic				NUMEROUS polished slip surfaces
			1-1						
			1-1						
			1-1						
			1-1						
			44.0		END BH 92-11 @ 42.25"				

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