

engineering log - borehole

J1494

file: 02-0346

BASS HWY. - DUPLICATION

project: VICTORIA BRIDGE - DEVONPORT 246938E 437875N
borehole location: 9m L of E and 2m W of existing E abutment

hole commenced: 6/3/90
hole completed: 7/3/90
supervised by: JR
log checked by: JGG

drill model and mounting: GEMCO 210 D
hole diameter: 100 mm

slope: Vert. deg.
bearing: deg.

R.L. surface: 3.10 m
datum: Stage operator: G. BAKER

method 123	penetration support water	notes samples, tests, etc.	R.L. depth metres	graphic log classification symbol	material soil type: plasticity or particle characteristics, colour, secondary and minor components.	moisture condition consistency, rel. density	hand penetro- meter	structure and additional observations
AS			1.0	CH	CLAY; high plasticity, red- brown & some large stones	M	F	
		N* = 7 2, 3, 4	2.0	CH	; gravelly, sl. sandy, brown	W	S	doleritic and river washed gravels old abutment fill
		N* = 3 1, 1, 2	3.0					
		N* < 1	4.0					
		N* = 40 8, 14, 26	5.0		DOHERITE; EW, yellow-bwn	M	Fb	SPT rods fall under own weight equivalent of a med. to high plasticity clay with some residual texture
		N* = 42 9, 17, 25	6.0					
		N* > 100	7.0					no substantial penetration by SPT cutter
Cont. on cored borehole sheet								

key method AS auger screwing* AD auger drilling* R roller/tricone W washbore CT cable tool * bit shown by suffix: B - blank bit V - "V" bit T - TC bit e.g. ADT	support C casing M mud penetration 123 no resistance ranging to refusal 10 Oct, 73 water level on date shown water inflow water outflow	notes - samples and tests U50 - undisturbed sample 80 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
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VICTORIA BRIDGE DEVONPORT 7.60 - 9.90 BOX 1 BH 90-9 6/3/90 END

7.60

LOSS

8.35

SPACER

8.65

8.75

8.85

9.05

9.90

SP

VICTORIA - BRIDGE DEVONPORT BH 90-9

7.60 - 9.90 END

BOX 1



6/3/90

BH 90-9