APPENDIX A

BORE AND DRILL LOG RECORD SHEETS

LOCATION OF BOREHOLES

Borehole No.	Co-Ordinates		Reduced Level		Date	
	N(m)	E(m)	Top	Bottom	Start	Finish
Over Water:-						
D1	257365	324804	-7.0	-57.32	30.3.76	8.4.76
D2	257419	324851	-8.0	-50.60	9.3.76	24.3.76
D3	257307	324754	-5.7	-40.14	21.4.76	11.5.76
D4	257780	325160	-8.0	-30.33	2.6.76	8.6.76
D5	257661	325060	-14.0	-43.85	24.5.76	28.5.76
D6	257481	324904	-6.8	-43.23	17.5.76	20.5.76
D7	257389	324825	-8.0	-52.69	10.6.76	15.6.76
D8	257375	324813	-8.0	-51.54	16.6.76	18.6.76
D9	257369	324813	-8.0	-54.28	21.6.76	6.7.76
D10	257293	324744	-2.0	-25.66	8.7.76	27.7.76
D11	257305	324753	-6.0	-29.84	2.8.76	4.8.76
East Abutment:-						
E1	257985	325347	+6.99	-8.20	27.7.76	6.8.76
E2	257996	325334	+7.42	-7.18	6.8.76	18.8.76
West Abutment:-						
W1	257257	324712	+12.07	+0.00	27.4.76	5.5.76
W2	257246	324702	+17.35	-2.92	18.8.76	31.8.76
West Approach Cutting:-						
WA1	257171	324638	+33.80	+16.44	6.5.76	25.5.76
WA2	257086	324564	+29.78	+14.53	26.5.76	8.6.76
WA3	257014	324473	+24.78	+13.51	10.6.76	21.6.76
Boreholes Over Water for Feasibility Studies:-						
J1	257206	324925	-7.5	-48.08	May 1975	
J3	257605	324882	-8.8	-42.17	Sept. 1975	
J4	257349	324750	-6.3	-48.60	Sept. 1975	

No. 1 to No. 6 Six Boreholes put down in August to October, 1963, approximate locations shown on Drawing No. 2, Results reported by I. B. Jennings, 1964.

Note: Holes J1, J3 and J4 were previously No. BH1, BH3, and BH4 respectively.

SEISMIC SPREADS (APPROXIMATE LOCATIONS ONLY)

(1) TO (22) DEPARTMENT OF MINES REPORT 1975 / 32

1 TO 11 DEPARTMENT OF MINES REPORT 1975 / 39

BOREHOLES - PHASE I SITE

D1 TO D11 ON AL
W1, W2 & E1, E2 WEST
WA1 TO WA3 WEST

BOREHOLES - PRIOR TO PHAS

J1, J2, J4 FEASI
N° 1 TO N° 6 AFTE

324 400 E

324 600 E

324 800 E

325 000 E

325 200 E

325 400 E

256 800 N

257 000 N

257 200 N

257 400 N

WA3

WA2

WA1

W2

W1

D10

D11

D3

D1

D8

D9

D7

D2

D6

D5

J4

J3

J1

N°1

N°2

N°5

N°4

WEST ABUTMENT

CENTRAL

TEMPORARY BAILEY BRIDGE

DOWSINGS POINT

TRIG S70

SPK1 4402

35

30

25

20

15

10

5

22

21

12

11

8

7

6

5

4

3

2

1

20

19

18

17

16

15

9

10

11

50 0 50

SCALE IN METRES

21 244

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SEISMIC SPREADS (APPROXIMATE LOCATIONS ONLY)

(1) TO (22) DEPARTMENT OF MINES REPORT 1975 / 32

1 TO 11 DEPARTMENT OF MINES REPORT 1975 / 39

BOREHOLES - PHASE I SITE INVESTIGATION

D1 TO D11 ON ALIGNMENT OVER WATER
W1, W2 & E1, E2 WEST / EAST ABUTMENTS
WA1 TO WA3 WEST APPROACH CUTTING

BOREHOLES - PRIOR TO PHASE I

J1, J2, J4 FEASIBILITY INVESTIGATIONS 1975
N° 1 TO N° 6 AFTER I.B. JENNINGS 1963 (APPROX. ONLY)

CENTRAL ALIGNMENT

TEMPORARY BAILEY BRIDGE

EAST ABUTMENT

CLEBURNE POINT

257 200 N

325 200 E

257 400 N

325 400 E

257 600 N

257 800 N

258 000 N

50 0 50 100 150 200
SCALE IN METRES

LOCATION OF BOREHOLES AND SEISMIC SPREADS

SECOND HOBART BRIDGE

21 245

REF NO 18324 ACC 2 PUR 0

DEPARTMENT OF PUBLIC WORKS TASMANIA
MATERIALS AND RESEARCH DIVISION

QUAD 82 MAP SHEET 8312 2

DRILL LOG RECORD

PROJECT	SECOND HOBART CROSSING PHASE 1 – SITE INVESTIGATION	BORE No. W 2
Bore co-ordinates:	[illegible] E = 524760N = 5258950	FILE No. 01.0500
Surface R.L.:	17.37 Datum: State	Sheet no. 1 of 1
Angle from horizontal:	90° Direction: –	

Rock type and degree of weathering	Description Colour, Hardness, etc.	Log	Core loss Lift %	Core run Depth R.L.	Fracture log	R.Q.D.	Discontinuities Joints, bedding, seams, faults: Spacing; Description: Attitude, smoothness, filling cement, aperture and coating	Drilling water loss	Water level	Remarks
	CLAY		20 60		1 4 16 64			25 75		
Dolerite FrSt	Hard					100	joints sub-horizontal & sub-vertical through core			Short runs ± 300mm Lost record 1.1 to 2.7m
2 FrSt	Blue, some brown in joints					50	joints 15°			NQ below 2.5 m
SW 4 to MW	blue - brown					0	15° & 60°			
6 MW SW MW	brown some blue					0	45° and sub-vertical			
8 SW MW	brown brown some blue					0	rock fragments 60° sub-vert-hor.			
10 MW						0	45°			
12 SW FrSt	blue, brown joints					0	45°			
14 MW SW	blue - brown					0	45° & 60° 45° and sub-vertical			
16 FrSt FrSt	blue brown joints					0	45°			
18 FrSt	ditto					0	45°			
EOB 20.37										-2.92

Drill type	–	EXPLANATION	Vertical scale 1 unit = 2.1m
Core barrel type	[illegible]	FRACTURE LOG: Breaks in core per foot, or diameter of fragments in feet; Equivalent diameter, inches	Logged [illegible]
Driller	[illegible]	WEATHERING: CW – Completely weathered; HW – Highly weathered; MW – Moderately weathered; SW – Slightly weathered; FrSt – Fresh, with limonite stained joints; Fr – Fresh	Drawn [illegible]
Comm'cd	[illegible]	Discontinuities eg. 120/45 direction of dip is 120°, angle of dip is 45°	Date [illegible]
Compl'd	[illegible]		Checked

21 276