

## 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:-

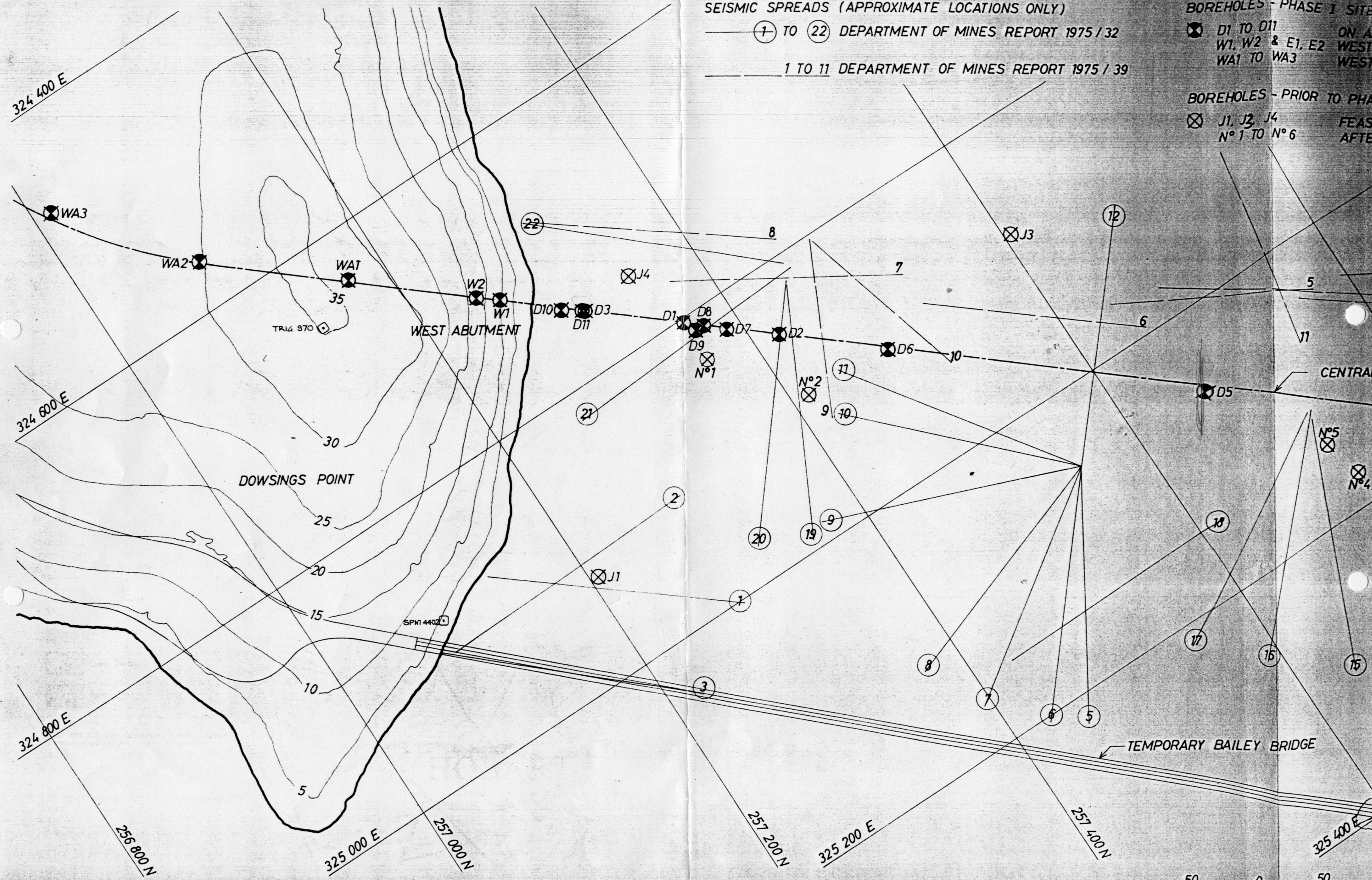
X J1	257206	324925	-7.5	-48.08	May 1975
J3	257605	324882	-8.8	-42.17	Sept. 1975
J4	257349	324750	-6.3	-48.60	Sept. 1975

No. 1 Six Boreholes put down in August to October, 1963,  
to approximate locations shown on Drawing No. 2,  
No. 6 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 1 SITE  
 ⊗ D1 TO D11 ON ALL WEST WEST  
 W1, W2 & E1, E2 WEST  
 WA1 TO WA3 WEST  
 BOREHOLES - PRIOR TO PHASE 1  
 ⊗ J1, J2, J4 FEASIBILITY AFTER  
 N° 1 TO N° 6



21 244

50 0 50  
 SCALE IN METRES

SEISMIC SPREADS (APPROXIMATE LOCATIONS ONLY)

① TO ②② DEPARTMENT OF MINES REPORT 1975 / 32

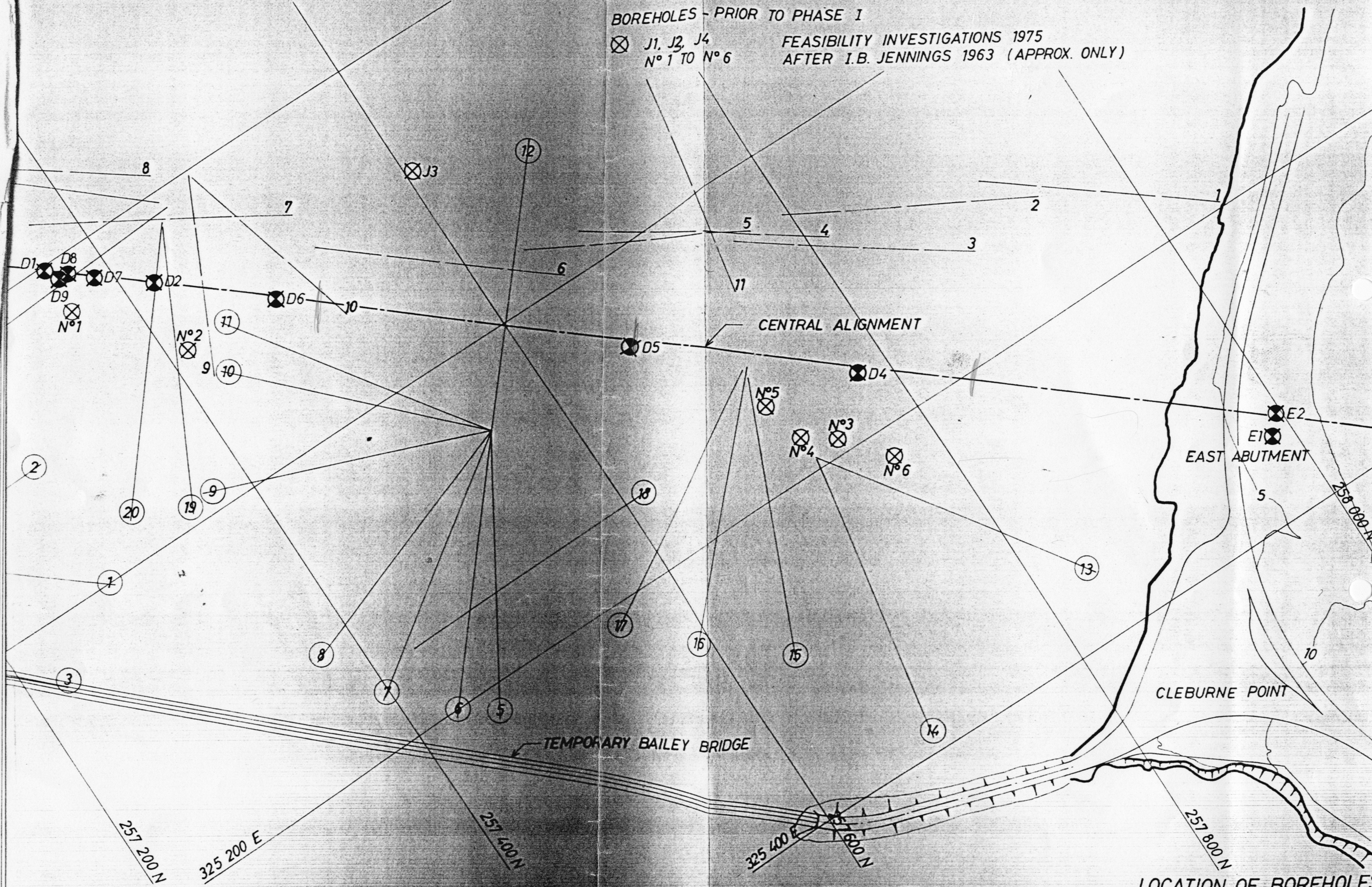
① TO ①① DEPARTMENT OF MINES REPORT 1975 / 39

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)



LOCATION OF BOREHOLES AND SEISMIC SPREADS  
SECOND HOBART BRIDGE

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REF No 18315

ACC 2

DEPARTMENT OF PUBLIC WORKS TASMANIA  
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PUR 0

QUAD 82 MAP SHEET 83122

## BORE LOG RECORD

PROJECT		SECOND HOBART CROSSING PHASE 1 - SITE INVESTIGATION		BORE No. D6	
Bore co-ordinates: 324904E 257481N E:524760N S:5258950				FILE No. 01.0500	
Surface R.L.: 0.00		Datum: State		Sheet no. 1 of 3	
Angle from horizontal: 90°		Direction: -		Commenced: 17-5-76	
Rig type: Meyhew 1000		Drill size: 6" Casing		Logged: T.S.	
Drilling by: Mines Dept.		Water level: River		Completed: 20-5-76	
				Checked: W.K.	

R.L.	Depth	Sample Core	SAMPLE TYPE	Description	Log	Additional Information
	2			WATER		
	4					
	6					River Bed
-6.8						
	8			Very soft black silty clay		
		D6/1				
	10					In situ Vane Tests →
	12			Soft grey silty clay		
		D6/2				
	14					
	16					
		D6/3				
	18			ditto		
	20					

Units:

S.I.

Symbols:

75 mm  $\phi$  U.D. Sample



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BORE LOG RECORD

PROJECT		SECOND HOBART CROSSING PHASE 1 - SITE INVESTIGATION		BORE No.		D 6	
Bore co-ordinates:				324904E		257481N	
Surface R.L.:		0.00		Datum:		State	
Angle from horizontal:		90°		Direction:		-	
Rig type:		Meyhew 1000		Drill size:		6" Casing	
Drilling by:		Mines Dept.		Water level:		River	
Commenced:				17.5.76		Logged:	
Completed:				20.5.76		Checked:	
FILE No.				01.0500			
Sheet no.				2 of 3			

R.L.	Depth	Sample Core	SAMPLE TYPE	Description	Log	Additional Information
	22		D6/4	Soft grey silty clay		
	24			Grey silty clay with shell fragments		
	26		D6/5			
	27.6					inferred level
	28		D6/6	Fine grey silty sand		No recovery
	30		SPT N=15			
	32		SPT			SPT at -32.48 Blows/Penetration 13/150mm 8/150 10/25 refusal
	32.8					
	34			Continued on Drill Log Sheet No. 3		

Units: S.I.

Symbols:



75 mm  $\phi$  U.D. Sample



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DRILL LOG RECORD

PROJECT	SECOND HOBART CROSSING PHASE 1 - SITE INVESTIGATION	BORE No.	D6
Bore co-ordinates:	324904E 257481N	FILE No.	01.0500
Surface R.L.:	0.00	Datum:	State
Angle from horizontal:	90°	Direction:	-
		Sheet no.	3 of 3

Rock type and degree of weathering	Description Colour, Hardness, etc.	Log	Core loss Lift %	Core size Depth R.L.	Fracture log	R.O.D. Spacing	Discontinuities Joints, bedding, seams, faults Description Attitude, smoothness, filling cement, aperture and coating	Drilling water loss	Water level	Remarks

										Continued from Bore Log Record Sheet 2
32										-32.81
Inferred Mudstone										Tricone used -34.11
34										
Sandstone										
SW - Fr	grey - green medium grained hard									* 34.11-35.63 20min 35.63-37.09 12min 37.09-38.67 40min
36										
Mudstone	grey - green hard, soft band									
38	Fr HW									
Sandstone	grey, hard, soft bands									Casing to -34.11
40	SW									
Mudstone	grey with some black band hard with some soft sections									
42	SW MW									
Sandstone										END -43.23
Fr										

Drill type	Meyhew 1000
Core barrel type	NMLC Triple tube
Driller	Mines Dept.
Comm'd	17-5-76
Comp'd	20-5-76

EXPLANATION *Coring rates	
FRACTURE LOG	WEATHERING
	CW - Completely weathered SW - Slightly weathered MW - Moderately weathered FW - Fresh, with limonite stained joints Fr - Fresh
Discontinuity log 120145 direction of dip 170° angle of the is 45°	

Vertical scale	1 unit = 0.2m
Logged	W.K.
Drawn	W.K.
Date	16-6-76
Checked	