

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:-

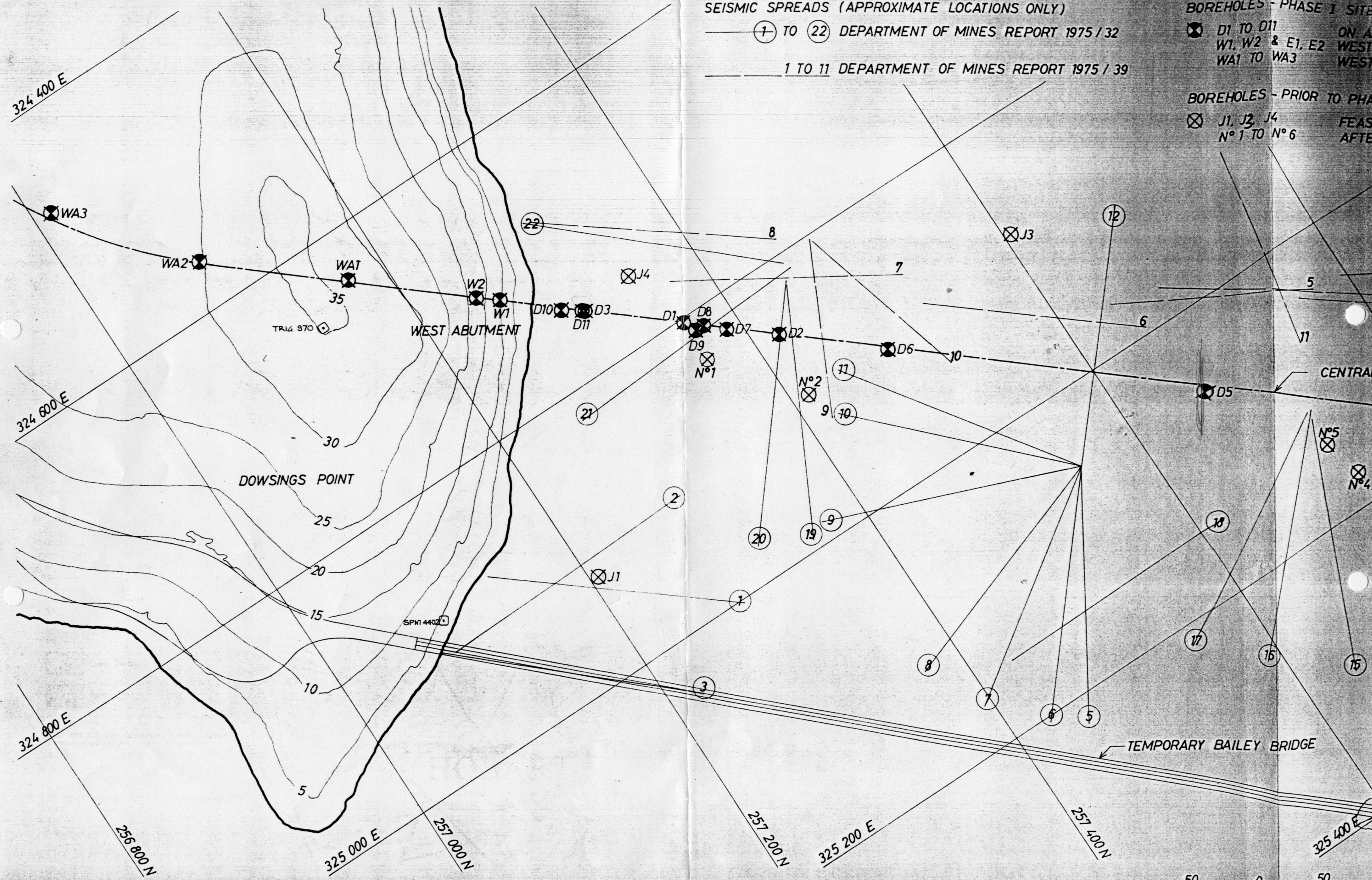
X J1	257206	324925	-7.5	-48.08	May 1975
J3	257605	324882	-8.8	-42.17	Sept. 1975
J4	257349	324750	-6.3	-48.60	Sept. 1975

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



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SEISMIC SPREADS (APPROXIMATE LOCATIONS ONLY)

① TO ②② DEPARTMENT OF MINES REPORT 1975 / 32

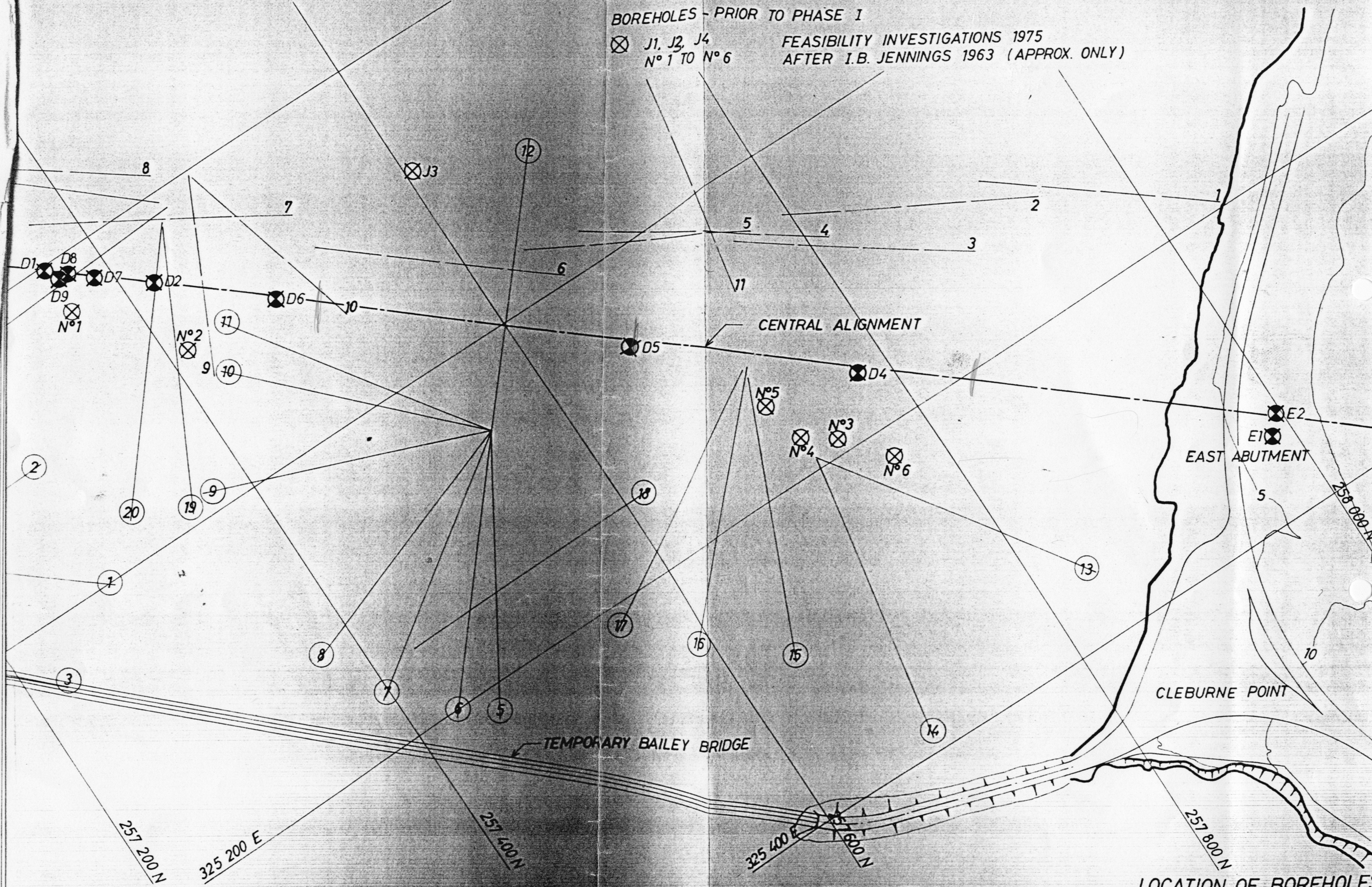
① TO ①① DEPARTMENT OF MINES REPORT 1975 / 39

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)



LOCATION OF BOREHOLES AND SEISMIC SPREADS  
SECOND HOBART BRIDGE

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REF No 18311ACC 2  
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MATERIALS AND RESEARCH DIVISIONQUAD 82 MAP SHEET 23122

## BORE LOG RECORD

PROJECT		SECOND HOBART CROSSING PHASE 1 - SITE INVESTIGATION		BORE No.	D2
Bore co-ordinates: 324951E 257419N E=524760 N=5258950				FILE No.	01.0500
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:	9-3-76
				Completed:	24-3-76
				Logged:	T.S.
				Checked:	W.K.

R.L.	Depth	Sample Core	SAMPLE TYPE	Description	Log	Additional Information
	2					
	4			Water		
	6					
-8.0	8					River Bed
	10		D2/1	Very soft black organic silty clay with shell fragments		In situ Vane Tests →
	12		D2/2			
	14		D2/3			
	16		D2/4			
	18			ditto		
	20		D2/5			

Units: S.I.

Symbols:  75 mm U.D. Sample



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BORE LOG RECORD

PROJECT		SECOND HOBART CROSSING PHASE 1 - SITE INVESTIGATION		BORE No.	D 2	
Bore co-ordinates: 324851E 257419N				FILE No.	01.0500	
Surface R.L.:		0.00		Datum:		State
Angle from horizontal:		90°		Direction:		-
Rig type:		Meyhew 1000		Commenced:	9.3.76	Logged: T.S.
Drilling by:		Mines Dept.		Water level:	River	Completed: 24.3.76
				Sheet no. 2		of 4
				Completed: 24.3.76		Checked: w.k.

R.L.	Depth	Sample Core	SAMPLE TYPE	Description	Log	Additional Information
			D2/6	Soft dark grey fissured silty clay with shells	☞	
	22		D2/7	Very soft black silty clay	☞	
	24		D2/8	Very soft dark grey silty clay and shells	☞	
	26				☞	
	28		D2/9	ditto - firmer and fissured	☞	
	30				☞	
	32		D2/10	ditto - light grey	☞	
	34		D2/11	Very soft dark grey silty clay	☞	
-34.0						Inferred level
	36		D2/12	Soft brown - black silty clay with sand lenses and peat	☞	
	38		D2/13	Soft dark brown silty clay with thin layers of fine grey sand	☞	
	40		D2/14		☞	

Units: S.I.

Symbols:



75 mm U.D. Sample



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BORE LOG RECORD

PROJECT		SECOND HOBART CROSSING PHASE 1 - SITE INVESTIGATION		BORE No.	D2	
Bore co-ordinates: 324851E 257419N				FILE No.	01.0500	
Surface R.L.: 0.00		Datum: State		Sheet no. 3 of 4		
Angle from horizontal: 90°		Direction: -				
Rig type: Meyhew 1000		Drill size: 6" Casing		Commenced: 9.3.76	Logged: T.S.	
Drilling by: Mines Dept.		Water level: River		Completed: 24.3.76	Checked: W.K.	

R.L.	Depth	Sample Core	SAMPLE TYPE	Description	Log	Additional Information
	42		D2/15	Firm dark brown silty clay with small lenses of fine sand		
-43.2			D2/16	Grey silty sand with shell fragments		
	44					Continued on Drill Log Record Sheet 4

Units: S.I.

Symbols:



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DRILL LOG RECORD

PROJECT SECOND HOBART CROSSING PHASE 1 - SITE INVESTIGATION		BORE No. D 2
Bore co-ordinates: 324851E 257419N		FILE No. 01.0500
Surface R.L.: 0.00	Datum: State	Sheet no. 4 of 4
Angle from horizontal: 90°	Direction: -	

Rock type and degree of weathering	Description Colour, Hardness, etc.	Log	Core loss Lift %	Casing	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 3
42											-43.2
44	Hard, grey - light green. Micaceous in places							0-90 Parting along sub-horizontal bedding planes			Casing to -43.36
46	Triassic Mudstone SW Carbonaceous sandy shale laminated							10-90 Soft-hard layers, core covered with clay			
48	Hard, grey-green							300-400 Clean core, joints along bedding planes			
50	Hard, dark grey. Softer layer							10-120 Interbedded. Parting along bedding planes some breaks after recovery			
50	Hard, pale grey laminated							56-110			
											END -50.6

Drill type Meyhew 1000	<b>EXPLANATION</b> FRACTURE LOG  Breaks in core per foot, or diameter of fragments in feet Equivalent diameter - inches	Vertical scale 1 unit = 0.2m
Core barrel type MMLC Triple Tube		Logged W.K.
Driller Mines Dept.	WEATHERING SW - Slightly weathered MW - Moderately weathered FW - Fresh, with laminar stained joints Fr - Fresh	Drawn W.K.
Comm'd 9-3-76	Coordinates to 120/45 direction of dip is 120° angle of dip is 45°	Date 10-6-76
Compl'd 24-3-76		Checked