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ENGINEERING BORELOG

Main Roads

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/0-1998

BOREHOLE No : 3
SHEET : 1 OF 3
REFERENCE No : H8609

PROJECT : TUGUN BYPASS
LOCATION : 54 7614 E, 68852 88 N
PROJECT No : C60290 SURFACE R.L. : 54.00 DRILLER : DALY BROTHERS PTY LTD
JOB No : DATUM : AHD DATE DRILLED : 22/09/99

DEPTH (m)	R.L. (m)	AUGER / CORE DRILLING / CASING / OTHER	RQD ( )% CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC	WEATHERING	INTACT STRENGTH (EH VH H M L VL)	DEFECT SPACING (mm) (20 60 200 600 2000)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES	TESTS
0	54.00				Silty gravelly CLAY, brown, gravel fine grained	CH							
	53.40				**ARGILLITE WITH MINOR METAGREYWACKE BEDS** Grey, fine grained, weakly foliated metasedimentary rock. XW: generally exhibits engineering properties of grey, brown hard silty clay.	XW							
1													
2	52.00		(0) 100		HW: pale grey and brown, very low strength.	HW					jt 80 deg, irregular sl. FeSt		
3											some EW bands		
			(10) 100								jt 84 deg, planar		
4											jt 54 deg, planar, FeSt		
											bedding 84 deg		
5			(54) 100								jt 70-80 deg, sl. curved		
											some EW bands		
6											jt 35 deg, planar, FeSt core fragmented along FeSt defects		
			(46) 100								jt 65 deg, planar		
7											Is(50)=0.05MPa		x
											jt 52 deg, planar		
8			(43) 100										
9			(52) 92								fragmented along FeSt defects Is(50)=0.12MPa		x
	44.50				**METAGREYWACKE** Grey, fine grained metasedimentary rock	MW							
10	44.00												

REMARKS :

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ENGINEERING BORELOG

Main Roads

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/0-1998

BOREHOLE No : 3
SHEET : 2 OF 3
REFERENCE No : H8609

PROJECT : TUGUN BYPASS
LOCATION : 54 7614 E, 68852 88 N
PROJECT No : C60290 SURFACE R.L. : 54.00 DRILLER : DALY BROTHERS PTY LTD
JOB No : DATUM : AHD DATE DRILLED : 22/09/99

DEPTH (m)	R.L. (m)	AUGER / CORE DRILLING / CASING / OTHER	RQD ( )% CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC	WEATHERING	INTACT STRENGTH (EH VH H M L VL)	DEFECT SPACING (mm) (20 60 200 600 2000)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES	TESTS
10	44.00				**METAGREYWACKE** (as above) HW: Brown, low to medium strength.	MW					jts, 57, 70deg, planar sl. irregular, FeSt		
11	42.95		(31) 94		**ARGILLITE** (as above) HW: pale grey and brown								
	42.50				**METAGREYWACKE** (as above) HW: Brown, low strength.						Is(50)=0.08MPa poorly jointed homogenous		x
12			(67) 100								jt 90 deg, FeSt		
	41.00				**ARGILLITE AND MINOR METAGREYWACKE** (as above) HW: pale grey and brown, low strength.	HW					poorly jointed		
13													
14			(73) 100										
15			(19) 100								core fragmented along FeSt defects		
											Is(50)=0.08MPa		x
16	37.70				**METAGREYWACKE** (as above)						Is(50)=0.19MPa jt 57 deg, planar, FeSt jt 5 deg, irregular, FeSt		x
			(64) 100								quartz veins		
17													
18			(50) 100			MW					Is(50)=0.57MPa		x
19											jt 52 deg, planar, rough		
			(53) 100								Is(50)=0.35MPa		x
20	34.00												

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ENGINEERING BORELOG

Main Roads

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/0-1998

BOREHOLE No : 3
SHEET : 3 OF 3
REFERENCE No : H8609

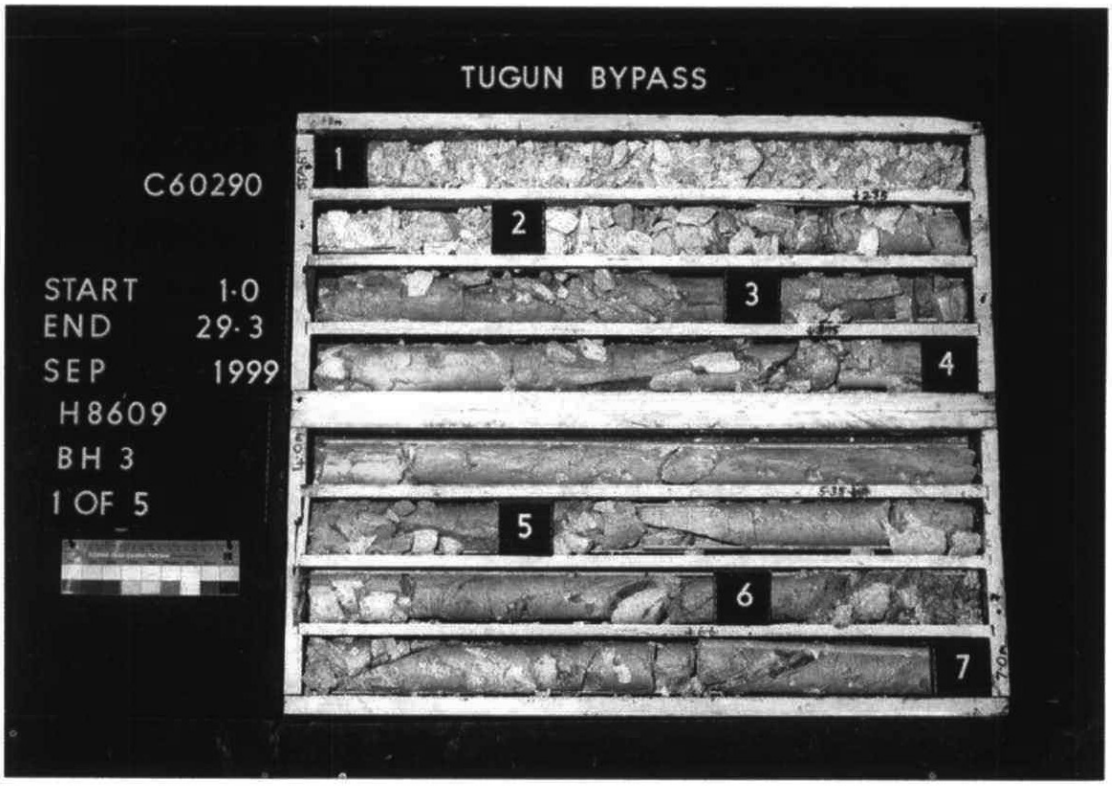
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LOCATION : 54 7614 E, 68852 88 N
PROJECT No : C60290 SURFACE R.L. : 54.00 DRILLER : DALY BROTHERS PTY LTD
DB No : DATUM : AHD DATE DRILLED : 22/09/99

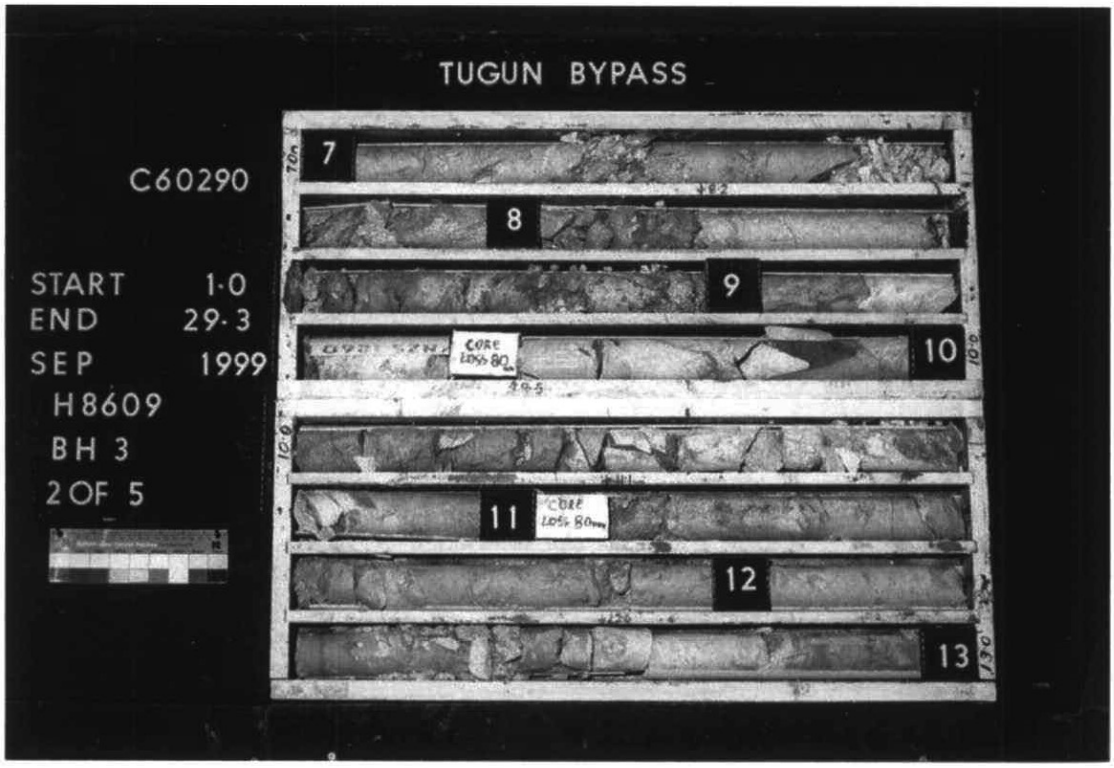
DEPTH (m)	R.L. (m)	AUGER / CORE DRILLING / CASING / OTHER	RQD ( )% CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC	WEATHERING	INTACT STRENGTH EH VH H M L VL	DEFECT SPACING (mm) 20 60 200 600 2000	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES	TESTS
20	34.00				METAGREYWACKE (as above)		MW HW				jts 32 deg, planar FeSt		
21	32.85		(49) 100		ARGILLITE AND MINOR METAGREYWACKE (as above)						core fragmented on FeSt defects		
			(0) 100								jts 10 - 40deg irreg., FeSt		
22											Is(50)=0.33MPa		x
											Is(50)=0.47MPa		x
			(47) 92								folliation, 52 deg, partly FeSt		
23											25 mm HW zone		
24	29.95										Is(50)=0.26MPa		x
			(61) 100		METAGREYWACKE WITH MINOR INTERBEDS OF ARGILLITE Grey, fine grained metasedimentary rock.		MW				jt 32 deg, planar		
											jt 76 deg, irregular, FeSt		
25			(19) 100								Is(50)=0.34MPa		x
											jts 10 - 55 deg, irreg FeSt		
26			(57) 100								Is(50)=0.20MPa		x
	27.40										~~jt 60 deg, sl. irreg FeSt~~		
27					INTERBEDDED ARGILLITE AND METAGREYWACKE						jt 48 deg, sl. irregular		
28			(28) 100										
	25.50				METAGREYWACKE (as above)						Bedding 46 deg		
	25.10										Is(50)=0.37MPa		x
29			(45) 100		INTERBEDDED ARGILLITE & METAGREYWACKE (as above)								
	24.70				END OF HOLE								
30													

REMARKS : Piezometer 21.0 - 29.3m

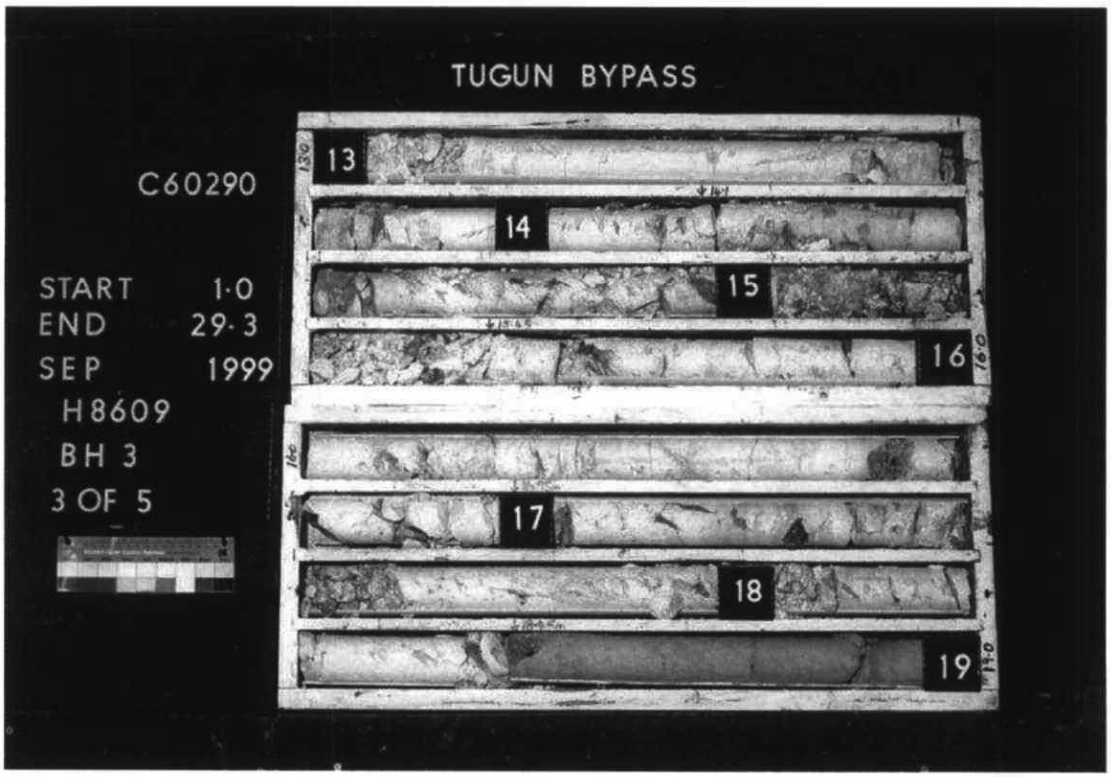
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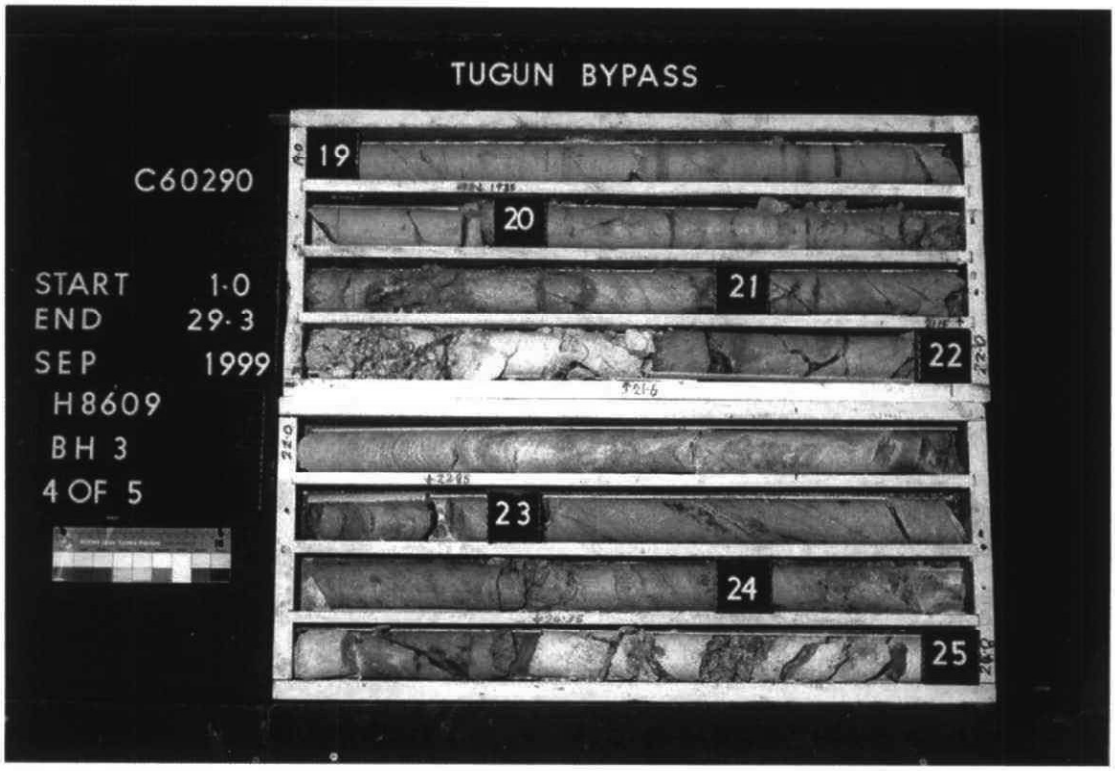
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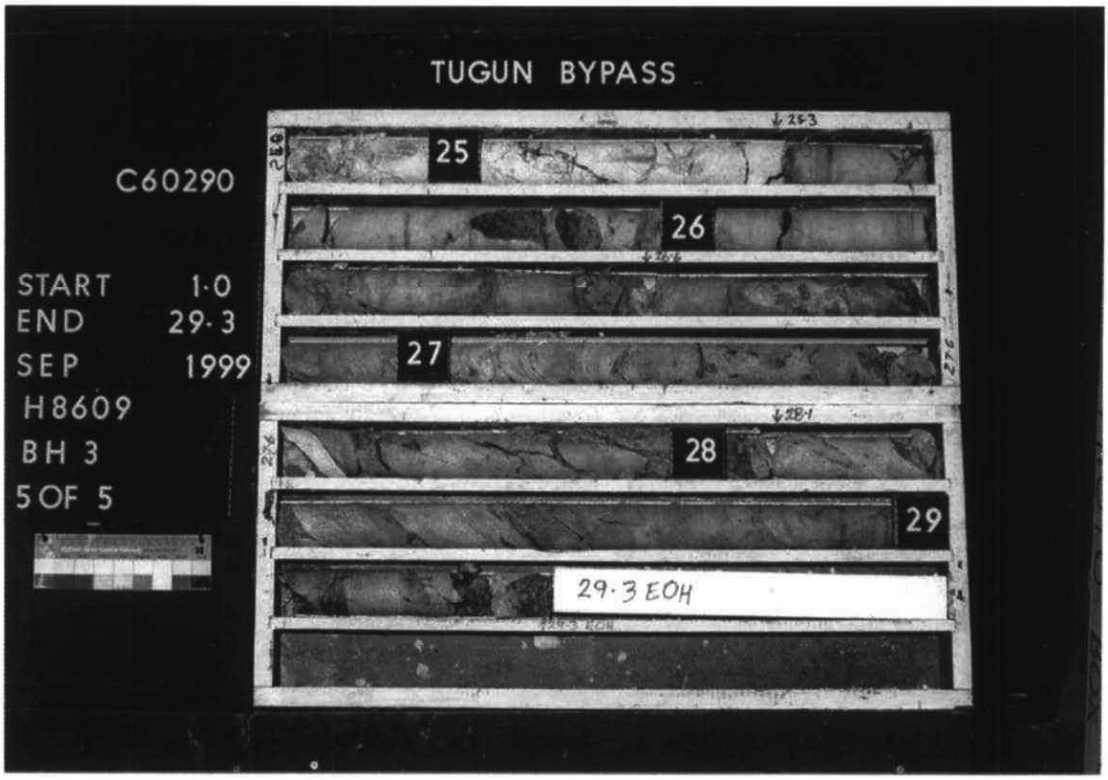


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