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ENGINEERING BORELOG

Main Roads

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

BOREHOLE No : 2
SHEET : 1 OF 4
REFERENCE No : H8608

PROJECT : TUGUN BYPASS
LOCATION : 547647E, 6885170N
PROJECT No : C60290 SURFACE R.L. : 58.00 DRILLER : Daly Bros Pty Ltd
JOB No : DATUM : AHD DATE DRILLED : 24/9-25/9/99

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	58.00				Gravelly silty CLAY (CH) dark brown to brown to brown, firm.	CH					Fill		
1	57.00		(43) 100		METAGREYWACKE, Grey, fine grained, metasedimentary rock	MW							
	56.40				ARGILLITE Grey, fine grained, weakly foliated metasedimentary rock; minor metagreywacke beds, grey, fine grained						~~core fragmented along FeSt~~ defects		
2					HW: pale grey and grown						FeSt defects along foliation 52 deg, planar		
3			(25) 100			HW							
4											jt, 40 deg, planar		
			(49) 100										
5											jt,85 - 90 deg, very irregular, FeSt		
											jt 42 deg, irregular, FeSt		
6	52.00		(53) 100		METAGREYWACKE (as above)	MW					core fragmented along FeSt defects		
	51.40				ARGILLITE (as above)								
7			(20) 76			HW					Is(50)=0.11MPa	x	
8											jt, 64deg, sl. irreg. sl.		
	49.50										jts, 40deg, planar, sl.FeSt FeSt		
			(54) 100		METAGREYWACKE (as above)	MW							
9											some HW bands		
			(78) 100										
10	48.00												

REMARKS :

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ENGINEERING BORELOG

Main Roads

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

BOREHOLE No : 2
SHEET : 2 OF 4
REFERENCE No : H8608

PROJECT : TUGUN BYPASS
LOCATION : 547647E, 6885170N
PROJECT No : C60290 SURFACE R.L. : 58.00 DRILLER : Daly Bros Pty Ltd
JOB No : DATUM : AHD DATE DRILLED : 24/9-25/9/99

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	48.00												
	47.80				METAGREYWACKE, (as above)						jt, 85 deg, sl. irreg, FeSt		
					ARGILLITE (as above)		MW				foliation, 64 deg, planar, sl. FeSt		
			(26) 72										
11													
							HW				jt, 62 deg, irreg, heavily FeSt		
12			(10) 49										
											Is(50)=0.18MPa		x
13											poorly jointed		
											foliation, 78deg, planar		
14													
			(41) 64										
											jt, 10deg, planar FeSt		
15											Is(50)=0.11MPa		x
											foliation 70deg, planar, sl. FeSt		
	42.10												
16			(40) 100		METAGREYWACKE (as above)		MW				Is(50)=0.12MPa		x
											jt 10 - 15deg, irregular, Fe-MnSt		
17											jts 32 deg planar		
			(33) 100								jt, 50deg, sl. irregular		
18											Is(50)=0.22MPa		x
											fragmented along FeSt defects		
	39.30												
19			(50) 100		ARGILLITE (as above)								
	38.20												
20	38.00				METAGREYWACKE (as above)						Is(50)=0.26MPa		x

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ENGINEERING BORELOG

Main Roads

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

BOREHOLE No : 2
SHEET : 3 OF 4
REFERENCE No : H8608

PROJECT : TUGUN BYPASS
LOCATION : 547647E, 6885170N
PROJECT No : C60290 SURFACE R.L. : 58.00 DRILLER : Daly Bros Pty Ltd
JOB No : DATUM : AHD DATE DRILLED : 24/9-25/9/99

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	38.00				**METAGREYWACKE** (as above)								
			(43) 100								Is(50)=0.17MPa jt, 47deg, planar, sl. FeSt	x	
21											jt 85deg, sl. irregular		
											jt 32deg, sl. irreg		
	36.15												
22			(33) 87		**INTERBEDDED ARGILLITE & METAGREYWACKE** Fine grained, weakly foliated metasedimentary rock						minor HW bands		
			(18) 50								fragmented on FeSt defects		
23													
			(22) 100								jt 57deg, sl. irregular		
	34.20		(0) 45										
24					**METAGREYWACKE** (as above)						poorly bedded		
											Is(50)=0.13MPa	x	
	33.25												
25			(25) 100		**ARGILLITE** (as above)	MW							
	32.20												
26					**METAGREYWACKE AND MINOR ARGILLITE** (as above)						jt 63deg, planar, FeSt		
											Is(50)=0.38MPa	x	
											Is(50)=0.72MPa	x	
27											minor HW bands		
											poorly bedded		
28			(61) 100										
											Is(50)=0.51MPa	x	
29											joint, 74 deg, planar		
			(53) 100								Is(50)=0.63MPa	x	
30	28.00												

REMARKS : Piezometer 26.2m - 34.2m

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ENGINEERING BORELOG

Main Roads

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

BOREHOLE No : 2
SHEET : 4 OF 4
REFERENCE No : HB608

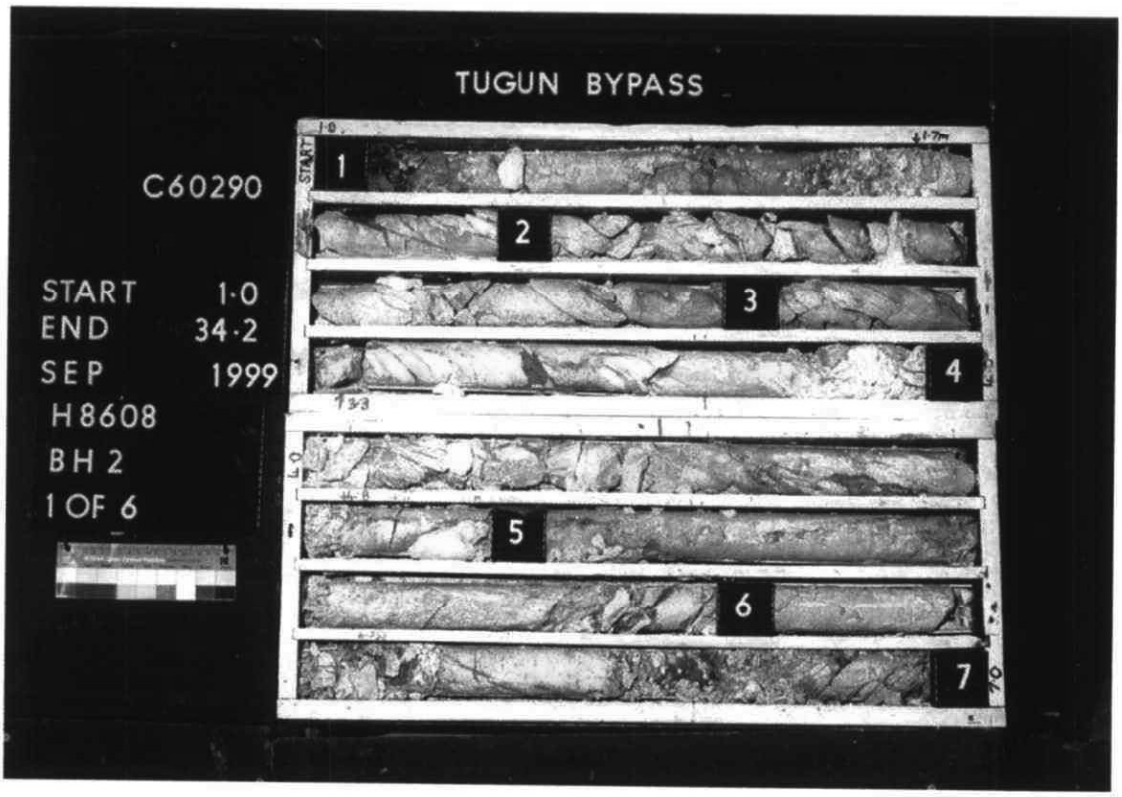
PROJECT : TUGUN BYPASS
LOCATION : 547647E, 6885170N
PROJECT No : C60290 SURFACE R.L. : 58.00 DRILLER : Daly Bros Pty Ltd
JOB No : DATUM : AHD DATE DRILLED : 24/9-25/9/99

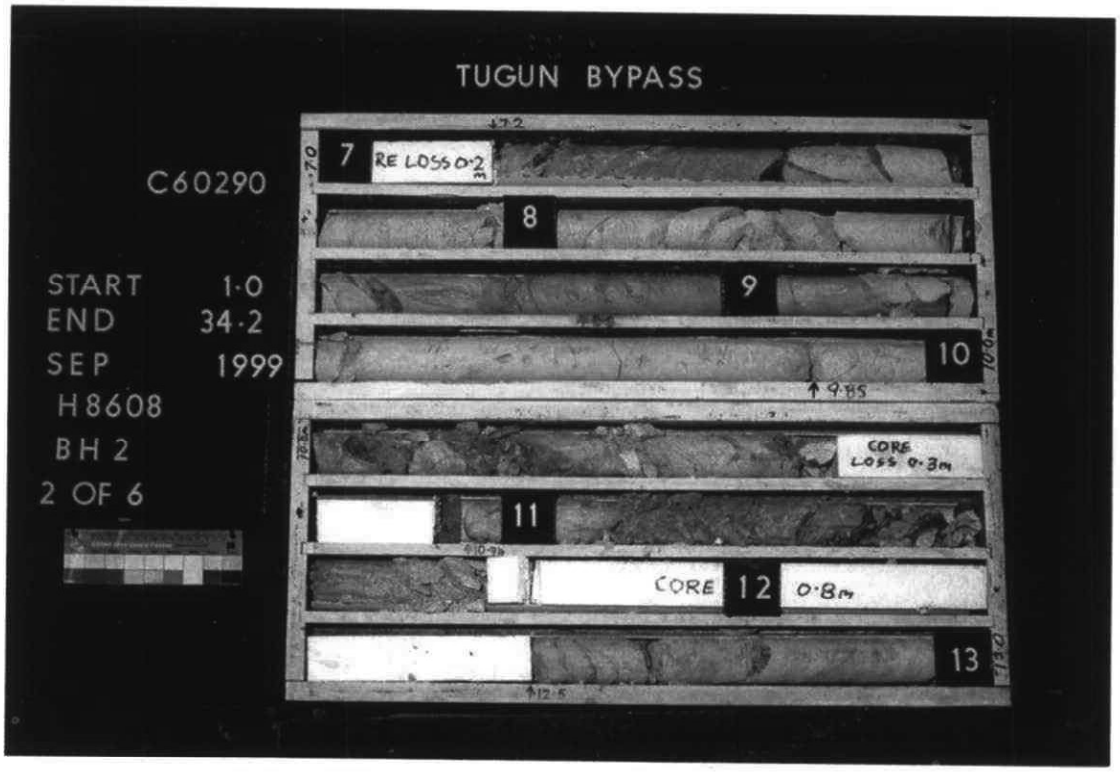
DEPTH (m)	R.L. (m)	AUGER / CORE DRILLING / CASING / OTHER	RQD ( )% CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC	WEATHERING	INTACT STRENGTH EH VH H M L VL	DEFECT SPACING (mm) 20 60 200 600 2000	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES	TESTS
30	28.00				**METAGREYWACKE AND MINOR ARGILLITE** (as above)						poorly bedded		
31			(68) 100								Is(50)=0.63MPa	x	
32			(37) 100			MW					jts 78deg, 35deg, planar FeSt		
33	24.75				**ARGILLITE** (as above)						foliation 52 deg, planar smooth		
34	23.80		(45) 100										
					END OF HOLE								
35													
36													
37													
38													
39													
40													

REMARKS : Piezometer 26.2m - 34.2m

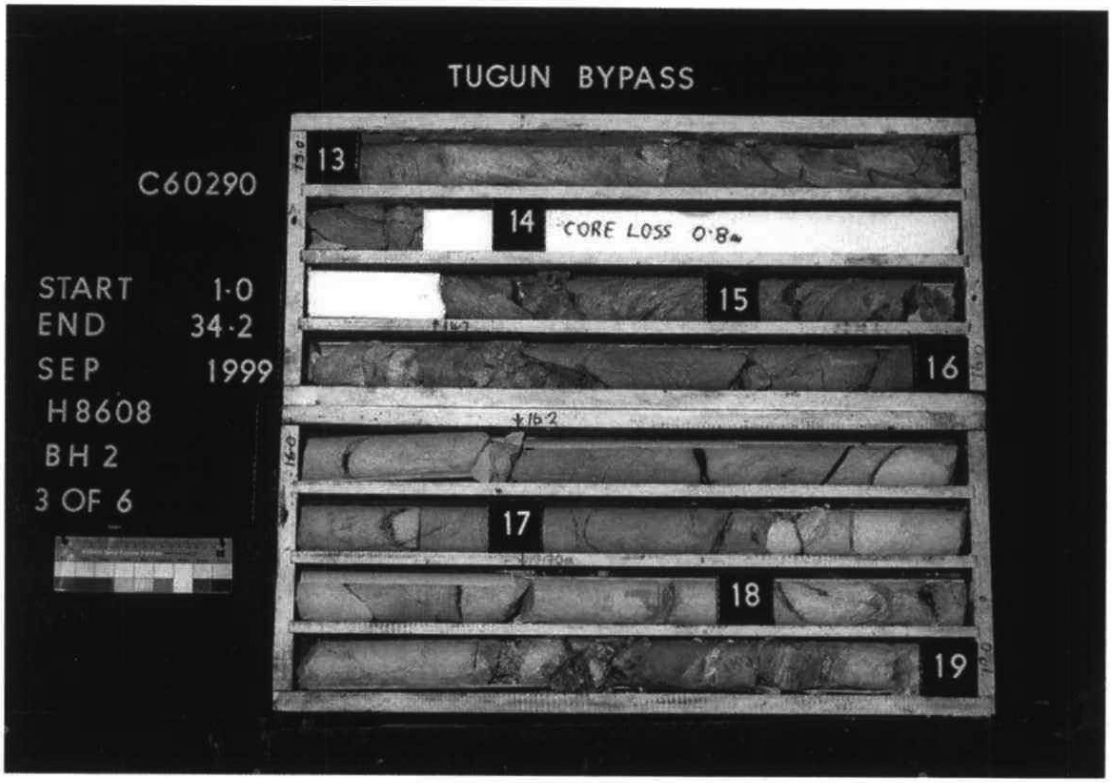
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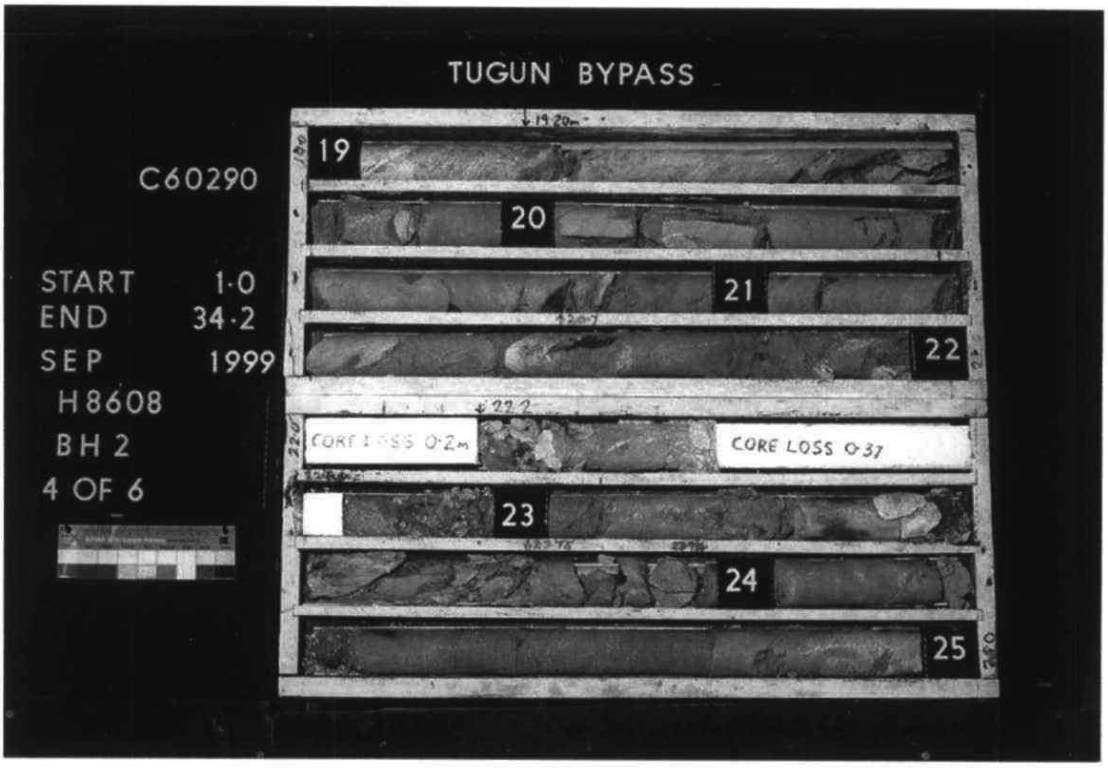
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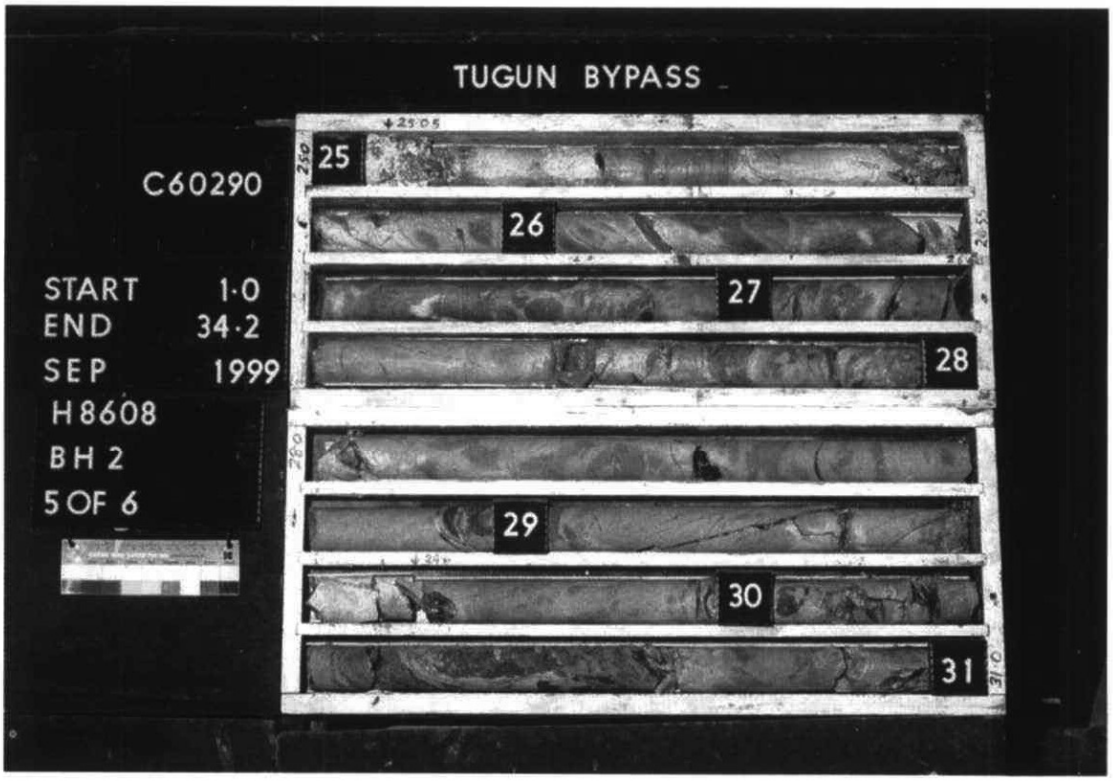


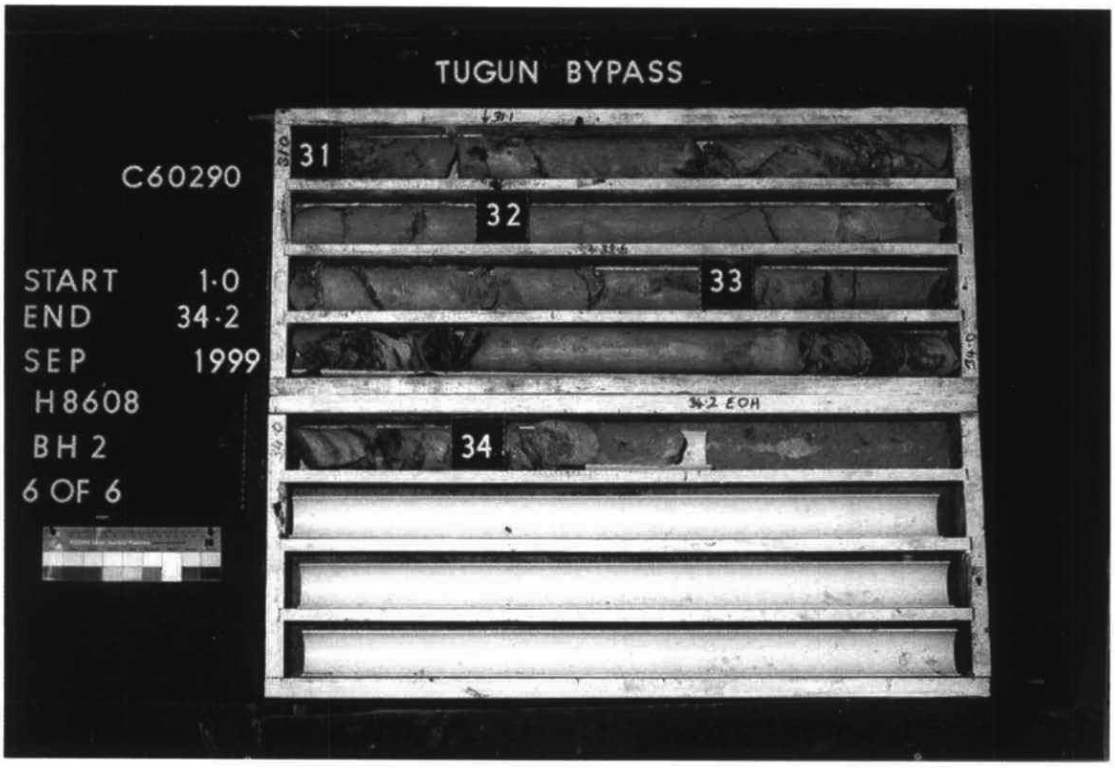
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