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DRILLING PROGRESS REPORT MOODY CREEK S.W. TASMANIA Branch

Bore DDH 1 Report No. 823143

Location BASELINE 850'N OFFSET 50'W (1971 Survey)

Bearing 311½° TRUE Period APRIL/MAY 1968

Depression 45° Operator COLLINS AND TALBOT

R. L. Collar 787.8 Unit

Est. Total Depth Bit

Footage for Period 299' Barrel

From	To	Int.	Core Rec'd.	%	Core in Dip	Feet	Description
0	39'6"					0	Serpentinite: Massive dark green.
	41'0"	1'6"	1'6"	100			Abundant bastite (after pyroxene).
	43'0"	2'0"	1'10"	92		39'6"	Shearing common.
	46'0"	3'0"	2'10"	94		39'6"	Serpentinized Pyroxenite. Dark
	50'0"	4'0"	3'10"	96			green-black massive rock with
	53'0"	3'0"	3'0"	100			relics of pyroxene in serpnetinite.
	58'6"	5'6"	5'6"	100			Shear planes common occurring on
	65'6"	7'0"	7'0"	100			average every 3". Shear planes
	69'0"	3'0"	3'0"	100			are striated and contain brittle
	70'6"	1'6"	1'6"	100		50'0"	chrysotile or splintery picrolite.
	76'0"	5'6"	5'6"	100		50'0"	Serpentinized Pyroxenite. As above
	78'0"	2'0"	2'0"	100			except shearing is closer (every
	81'0"	3'0"	3'0"	100			1") and shear planes are polished
	82'6"	1'6"	1'8"	110			with no picrolite or chrysotile.
	90'0"	7'6"	7'6"	100			At 51'4" - 51'7" a manganese
	97'6"	7'6"	7'6"	100			coating with calcite occurs in the
	102'3"	4'9"	4'9"	100		53'0"	shear plane.
	110'3"	8'0"	8'0"	100		53'0"	Serpentinized Pyroxenite. As above
	118'0"	7'9"	7'9"	100			except shearing is evident now
	124'0"	6'0"	6'0"	100			only at every 6". Minor
	126'0"	2'0"	2'0"	100			chrysotile and picrolite fill
	131'0"	5'0"	4'11"	98			shear planes. Pyroxene crystals
	133'0"	2'0"	3'2"	160			are more distinctive than in the
	136'0"	3'0"	2'11"	97		97'6"	above core.
	136'6"	0'6"	0'9"	150		97'6"	Serpentinized Pyroxenite. Core
	138'6"	2'0"	2'0"	100			varies from dark green resinous
	139'6"	1'0"	1'0"	100			non xtalline serpentinite to
							medium light green pyroxenite.
							Shear planes contain brittle slip
							fibre chrysotile, picrolite,
						139'6"	calcite and some manganese.

Remarks:

Date 2 May 1968 Logged by R.W. McGregor

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DRILLING PROGRESS REPORT NODDY CREEK S.W. TASMANIA Branch

Bore DDH 1 Report No. 1 823144

From	To	Int.	Core Rec'd.	%	Dip in Core	Feet	Description
139'6"	140'9"	1'3"	1'2"	93		139'6"	Serpentinite. Dark green resinous non xtalline serpentinite with chrysotile and picrolite in shear planes. Pale yellow-pink SULPHIDE is present. It occurs as a smear on shear planes and also is rarely seen in the actual serpentinite where it occurs as
	143'3"	2'6"	2'3"	90		143'3"	finely disseminated specks.
	143'8"	0'5"	0'5"	100		143'3"	Serpentinite. No Sulphides
	144'9"	1'1"	0'11"	92		143'8"	
	146'3"	1'6"	1'6"	100		143'8"	Serpentinite with sulphides as
	146'6"	0'3"	0'3"	100		144'9"	above.
	147'6"	1'0"	1'0"	100		144'9"	Serpentinized Pyroxenite. Medium
	148'0"	0'6"	0'6"	100		146'3"	light green xtalline pyroxenite.
	148'6"	0'6"	0'6"	100		146'3"	Serpentinite with one vein of brittle cross fibre asbestos ¾"
	149'0"	0'6"	0'6"	100		146'6"	thick.
	149'6"	0'6"	0'6"	100		146'6"	Serpentinite. Dark green with vitreous shear planes containing
	150'0"	0'6"	0'6"	100			chrysotile and picrolite (light
	150'6"	0'6"	0'5"	83		147'6"	green)
	151'0"	0'6"	0'6"	100		147'6"	Serpentinite. As above.
	151'3"	0'3"	0'3"	100		148'0"	6 asbestos veins 1/16"-1/8". wide.
	151'6"	0'3"	0'3"	100		148'0"	Serpentinite. As above.
	152'3"	0'9"	0'8"	89		148'6"	6 asbestos veins 1/16" wide.
	153'0"	0'9"	0'7"	78		148'6"	Serpentinite. As above. 1 asbestos
	156'6"	3'6"	No Core	0			vein 1/16" wide. Smear of pale yellow-pink sulphide 1/32" thick
	156'8"	0'2"	0'2"	100		149'0"	at 149'0".
						149'0"	Serpentinite. Very minor sulphides
						149'6"	as specks on shear planes.
						149'6"	Serpentinite with sulphides as above and 8 veins of asbestos
						150'0"	1/32"-1/16" wide.
						150'0"	Serpentinite with 10 veins of
						150'6"	asbestos 1/32"-1/16" wide.

Remarks: The pale yellow-pink sulphide mentioned above is possibley Pentlandite since it is similar to identified pentlandite north along strike.
X-fibre 146' to 151'

Date 2nd May 1968. Logged by P.W. McGREGOR

DRILLING PROGRESS REPORT NODDY CREEK S.W. TASMANIA Branch

Bore DDH 1 Report No. 1

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From	To	Int.	Core Rec'd.	%	Dip in Core	Feet	Description
156'8"	158'6"	1'10"	1'10"	100		150'6"	Serpentinite with 5 veins of asbestos and 1 speck of yellow-pink sulphide.
	160'9"	2'3"	2'3"	100		151'0"	
	161'6"	0'9"	0'9"	100		151'0"	Serpentinite with graphite along shear planes.
	162'6"	1'0"	1'0"	100		151'3"	
	164'6"	2'0"	2'0"	100		151'3"	Serpentinite with graphite and pale yellow-pink sulphide in shear planes.
	166'8"	2'2"	2'2"	100		153'0"	
	167'8"	1'0"	1'0"	100		153'0"	Appearance of sludge suggests highly sheared flakey serpentinite
	168'8"	1'0"	1'0"	100		156'6"	
	175'6"	6'10"	6'10"	100		156'6"	Serpentinite. Hard dark grey black massive serpentinite with streaks of pale yellow-pink sulphide in shear planes.
	180'0"	4'6"	4'5"	98		156'8"	
	184'4"	4'4"	4'4"	100		156'8"	Chert. Dense massive banded chert. Bands are about 1/32" wide and are dirty green alternating with medium grey. Very minor pale yellow-pink sulphides with graphite in shear planes.
	187'6"	3'2"	3'2"	100		161'6"	
						161'6"	Silicified Serpentinite. Green grey dense rock with numerous quartz veins, some containing pyrite. Also some graphite present.
						167'8"	
						167'8"	Graphitic Siltstone. Dark grey cleaved siltstone containing much graphite both throughout the rock and in cleavage planes. Pyrite is very common and occurs as veins, or blebs in cleavage planes. Pyrite streaks and radiating masses also occur. Width of pyrite veins is up to 1/32" wide.
						187'6"	Fe staining is present.

Remarks:

Date 2nd May 1968 Logged by P.W. McGREGOR

DRILLING PROGRESS REPORT [illegible] Branch

Bore DDH 1 Report No. 1

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From	To	Int.	Core Rec'd.	%	Dip in Core	Feet	Description
187'6"	193'6"	6'0"	6'0"	100	30	187'6"	Laminated Siltstone. Dark grey and light grey alternating bands of siltstone. Bands of greywacke also occur in the siltstone. Pyrite veins are very common and occur throughout core. Pyrite also occurs as blebs and streaks in cleavage planes. Graphite is also relatively common although not as common as in the graphitic siltstone. Quartz veins and calcite veins are also common. A dirty green coating occurs in many shear planes - probably
	199'4"	5'10"	5'5"	93		275'1"	$FeSO_4$.
	206'3"	6'11"	6'11"	100		275'1"	Serpentinite. Translucent olive green serpentinite - much sheared and vitreous. Pyrite and calcite in shear planes. Also some
	216'0"	9'9"	9'9"	100		292'6"	graphite.
	226'0"	10'0"	10'0"	100		292'6"	Laminated Siltstone.
	233'6"	7'6"	7'6"	100		299'0"	As above.
	241'6"	8'0"	8'0"	100			
	245'0"	3'6"	3'6"	100			
	251'6"	6'6"	6'6"	100			
	256'6"	5'0"	5'0"	100			
	260'6"	4'0"	4'0"	100			
	265'0"	4'0"	4'0"	100			
	268'0"	3'0"	3'0"	100			
	274'0"	6'0"	5'11"	99			
	275'1"	1'1"	1'1"	100			
	275'6"	0'5"	0'5"	100			
	278'6"	3'0"	2'6"	84			
	282'0"	3'6"	3'1"	88			
	285'4"	3'4"	2'10"	85			
	288'6"	3'2"	2'10"	90			
	292'0"	3'6"	1'10"	53			
	292'6"	0'6"	0'6"	100			
	296'0"	3'6"	3'5"	98	25		
	299'0"	3'0"	3'0"	100			
			END OF HOLE				

Remarks: Total depth = 299'0"
Total core rec'd.= 290'6"
Total core recovery = 97%

Date 2nd May 1968 Logged by P.W. McGREGOR