

DRILLING PROGRESS REPORT SURFACE PENINSULA NODDY CK. Branch

Bore DHNC3

Report No. _____

Box
7.5
(
92.0
(
103.5
(7)
113.0

823161

From	To	Int.	Core Rec'd.	%	Dip in Core	Feet	Description
73.5	78.5	5.0	4.4	88.0		72.3	Pale green <u>sheared serpentinite</u>
	80.5	2.0	1.8	90.0			̄ minor cross fibre veins less than or equal to 1/16". Veins
	83.5	3.0	2.8	93.5			short and weakly developed.
	91.5	8.0	7.8	97.5		74.3	Dark green <u>serpentinite breccia</u> .
	93.5	2.0	1.9	95.0		74.3	Slip fibre veins with a lot of
	99.0	5.5	5.5	100		76.5	magnetite. <u>50% R.I.C.</u>
	103.5	4.5	4.5	100		76.5	Pale green <u>sheared serpentinite</u>
	104.0	0.5	0.5	100			with cross fibre veins less than or equal to 2/16". Fine ribbon fibre at 77' & 80'. Slip fibre
	108.5	4.5	3.7	74.0			common.
	113.5	5.0	4.3	86.0		81.8	Dark green <u>massive and slightly sheared serpentinite breccia</u> .
	115.5	2.0	2.0	100		81.8	Sheared zones rich in magnetite, slip fibre in thin stockworks.
	123.5	8.0	6.3	78.8		89.1	Becomes granular at 81.5' and 88.0'
	50.0	50.0	45.5	91.0		89.1	<u>Sheared and slightly sheared pale green serpentinite breccia</u> , with minor X-fibre less than or equal to 1/16" at 92'. Slip fibre veins
						95.5	at 45° to L.C.A. with magnetite.
						95.5	<u>Highly sheared serpentinite slip fibre veins full of magnetite and some flakey talc. Pale - dark</u>
						100.3	green.
						100.3	Pale green <u>massive serpentinite</u> with minor sheared zones at 109'-110' and 115'-117'. Slip fibre not strongly developed, but one vein at 108.5' has long brittle fibre associated with magnetite and talc, blebs of <u>stichtite</u> are
						119.0	common.

Remarks:

Date 8/3/71

Logged by R. J. CLOSE

DRILLING PROGRESS REPORT SORELL PENINS. LA 00001 11. ranc

Bore DHNC3

Report No. _____

162
Box

From	To	Int.	Core Rec'd.	%	Dip in Core	Feet	Description
123.5	128.5	5.0	4.4	88.0		119.0	Dark green <u>highly sheared serpentinite breccia</u> . Magnetite rich, slip fibre veins thin.
	133.5	5.0	5.0	100			
	138.5	5.0	4.5	90.0			
	142.0	3.5	3.5	100		126.8	Stichtite.
	144.0	2.0	2.0	100		126.8	Pale green, <u>massive to sheared serpentinite breccia</u> . Thin slip fibre veins with associated magnetite. Highly sheared zone at 129'. Becomes more massive at base, from 143' with no fibre.
	149.0	5.0	5.0	100			
	151.0	2.0	1.5	75.0			
	156.0	5.0	5.0	100			
	158.5	2.5	2.5	100			
	163.5	5.0	4.9	98.0		144.5	Stichtite ^{BLEBS ARE} common.
	168.5	5.0	5.0	100		144.5	<u>Sheared to highly sheared serpentine</u> . Pale green becoming darker at base with the presence of thin magnetite stockworks. Slip fibre is most prominent in highly sheared zone at 147'. Core
	169.5	1.0	1.0	100			
	170.0	0.5	0.5	100			
	173.5	3.5	3.4	95.0			
	181.0	7.5	7.5	100			
	57.5	57.5	55.7	97.0		151.0	is brittle at base.
						151.0	Dark - light green <u>massive to slightly sheared serpentinite</u> . Rich in magnetite and stichtite particularly from 151' - 157' where the magnetite is in fine stockwork form - slip fibre is rare in this zone. Shear zones occur at 158.5' and 166'-167'. Slip fibre and magnetite are strongly developed in shears. Minor X-fibre at 169.5' and 162'
						171.0	less than or equal to 1/16".
						171.0	<u>Sheared - highly shears serpentine</u> Pale Green. Slip fibre vein with talc at 171.3' and 171.5'. Magnetite is present in thin stockworks as well as in fibre
						177.5	veins. Stichtite.

Remarks:

Date 8/3/71

Logged by R. J. CLOSE

DRILLING PROGRESS REPORT SORELL PENINSULA NODDI CL. Branch

Bore DHNG3

Report No. _____

163

Box	From	To	Int.	Core Rec'd.	%	Dip In Core	Feet	Description
							823163	
(11)	181.0	186.0	5.0	5.0	100		177.5	<u>Massive - slightly sheared</u>
	187.0	186.5	0.5	0.5	100			<u>Serpentinite. Shear zones at 181',</u>
(12)		194.0	7.5	7.3	95.0			187'-188', 194'. Thick slip
		199.0	5.0	4.5	90.0			fibre veins at 204', 206' sub
04.0		204.0	5.0	5.0	100			parallel to L.C.A. Good quality
		214.0	10.0	8.8	88.0			slip fibre at 196'. Pale green.
(11)		219.0	5.0	4.8	96.0		214.0	<u>Stichtite.</u>
		221.5	2.5	2.4	96.0		214.0	<u>Pale green - dark green sheared</u>
222.0		222.9	1.4	1.4	100			<u>and highly sheared serpentinite</u>
		223.2	0.3	0.3	100			breccia. Massive band b/n 225.5'-
(12)		225.5	2.3	2.3	100			227.5' and 221.5'- 222.5' becomes
		228.0	2.5	2.5	100			dark green from 239.5' due to the
		228.5	0.5	0.5	100			presence of magnetite stockworks
		233.5	5.0	5.0	100			and larger blebs of stichtite.
238.5		238.5	5.0	3.5	70.0			Slip fibre strongly developed from
		243.5	5.0	3.7	74.0			238' onwards. Magnetite stockworks
(13)		248.0	4.5	3.8	84.5			from 214'-217' making the core
		250.5	2.5	2.5	100			brittle. Highly sheared at top
56.5		258.0	7.5	7.2	90.0			and bottom of zone and at 233'-
		77.0	77.0	71.0	92.2		250.0	<u>234'.</u>
							250.0	<u>Sheared and highly sheared pale</u>
								green <u>serpentinite.</u> Slip fibre
								and magnetite strongly developed
								in the highly sheared bands, the
								larger veins of magnetite are sub
								parallel to the L.C.A. Stichtite
							258.0	<u>present.</u>

Remarks:

b/n = between

Date 8/3/71

Logged by R. W. G. CLOSE

DRILLING PROGRESS REPORT SORELL PENINSULA NODDY CK. Branch

DHNC3

Bore.....

Report No.....

164

823164

Box	From	To	Int.	Core Rec'd.	%	Dip in Core	Feet	Description
2 0.5 (17)	258.0	260.5	2.5	2.5	100		258.0	<u>Massive and sheared pale green serpentinite.</u> Shears and slip planes \bar{c} slip fibre and magnetite at 10° to 80° to long core axis.
2 7.0 (18)		270.0	9.5	9.2	96.8			
		280.0	10.0	9.6	96.0			
		289.0	9.0	8.4	93.3			
2 2.0 (19)		295.0	6.0	5.4	90.0		308.5	<u>Disseminated stichtite throughout.</u>
		304.0	9.0	9.0	100		308.5	<u>Massive and sheared dark and pale green serpentinite.</u> Shears at 10° to 50° to L.C.A. Magnetite veins and trace of disseminated stichtite. Texture and colour variable on a
3 8.0 (20)		314.0	10.0	9.7	97.0			
		324.0	10.0	10.0	100			
3 3.0 (1)		332.0	8.0	7.5	93.7			
		339.0	7.0	6.2	88.5		342.0	small scale.
3 39.0 (2)		343.0	4.0	3.7	92.5			
		353.0	10.0	10.0	100		342.0	<u>Sheared serpentinite grey-green</u> \bar{c} shears and slip fibre veins @
3 55.0 (3)		355.0	2.0	2.0	100			
		365.0	10.0	9.0	90.0		355.5	$70^\circ - 90^\circ$ to L.C.A.
3 72.0 (4)		375.0	10.0	10.0	100		355.5	<u>Massive and sheared serpentinite,</u> pale to dark green, \bar{c} magnetite and slip fibre veins and a trace of disseminated stichtite.
		385.0	10.0	10.0	100			
3 5.0 (25)		395.0	10.0	10.0	100			
		405.0	10.0	9.8	98.0			
4 1.5 (26)		415.0	10.0	9.7	97.0			
		425.0	10.0	10.0	100		439.4	Micro ribbon slip fibre zone.
4 7.5 (27)		435.0	10.0	10.0	100		439.4	<u>Biotite lamprophyre brecciated</u> and veined by talc/serpentine. Not sheared. Contacts at approx.
		445.0	10.0	10.0	100			
4 3.0 (28)		448.0	3.0	3.0	100			
		455.0	7.0	5.9	84.3		440.0	45° to L.C.A.
4 3.0 (-)		464.0	9.0	8.8	97.8		440.0	<u>Highly sheared serpentinite.</u>
		471.0	7.0	6.5	92.8		445.0	
4 64.0 ()		481.0	10.0	6.0	60.0		445.0	<u>Massive, slightly sheared, very pale green serpentinite</u> \bar{c} disseminated and vein magnetite and minor talcose slip fibre.
		484.0	3.0	2.8	93.4			
4 86.5 (1)		493.0	9.0	5.0	55.6			
		235.0	235.0	219.7	93.5		483.5	No stichtite.
5 03.5							483.5	Very sheared serpentinite.
							493.0	

Remarks: There appears to be two types of slip fibre: one very soft brittle and talcose with a pearly lustre, the other fairly tough and flexible with magnetite associated.

Date 24/3/71 to 355.5' 3/4/71 to 493'

Logged by JOHN G. LANGLANDS

DRILLING PROGRESS REPORT SORELL PENINSULA NODDY CK. Branch

165

Bore. DHNC3

Report No.

Box

823165

From	To	Int.	Core Rec'd.	%	Dip in Core	Feet	Description
493.0	499.0	6.0	6.0	100		493.0	Irregularly banded quartz rich rock \bar{o} trace of deep green to turquoise amorphous mineral in fractures. Bands @ 60° to L.G.A.
	503.5	4.5	4.5	100		494.5	
	10.5	10.5	10.5	100		494.5	
						503.5	Sheared and brecciated siliceous, contact altered <u>sediments</u> \bar{o} minor vein and disseminated sulphide -ve D.M.G. and CO ₂ veins.

Depth of Hole 503.5
 Core Recovery 460.1
 % Recovery 91.4%

DIP TESTS

COLLAR 45°
 200' 46½°
 400' 46°
 500' 45°

Remarks:

Date 3/4/71

R. J. CLOSE AND
 JOHN G. LANGLANDS
 Logged by