DRILLING PROGRESS REPORT SORELL PENINSULA NODDY CK. Branch

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Bore DHNC9 Report No. 823199

Location 15S 733E OFFSET 11.7S

Bearing 319° TRUE Period MAY 1971

Depression 45° Operator A.D.D.

R. L. Collar 788.7' Unit MINDRILL F30

Est. Total Depth 390' Bit NQW/L STEP FACED

Footage for Period Barrel NQW/L

Box	From	To	Int.	Core Rec'd.	%	Core in Dip	Feet	Description
U	0	10.0	10	5.6	56		0	Sheared, quartz veined chloritic schist c yughs after CO_3
	10.0	15.0	5	4.5	90			
(1)	15.0	18.2	3.2	2.8	87.6			leucoxene. Rock is = to bottom
	18.2	22.5	4.3	3.5	81.5	71/L1		of DHNC8 on 2000N. Probably
	22.5	30.0	7.5	4.5	60.0	103		sheared gabbro.
32.5	30.0	39.5	9.5	9.5	100		30	0 - 15' weathered brown.
	39.5	43.5	4.0	4.0	100		30	Dark slightly sheared and sheared
(2)	43.5	53.7	10.2	8.0	78.6			partially serpentinised pyroxenite
5 .7	53.7	60.0	6.3	5.7	90.5			and serpentinite c CO_3, serpentine
	60.0	67.5	7.5	5.2	69.4	71/L1		and talc veins. Shows primary
	67.5	68.0	0.5	0.5	100	102	110.5	adcumulus orthopyroxenes.
(3)	68.0	71.2	3.2	0.6	18.7		110.5	Dark massive serpentinite and
	71.2	73.5	2.3	2.1	91.4			partially serpentinised pyroxenite
	73.5	74.2	0.7	0.3	41.9			c minor shears. Picrolite,
	74.2	75.0	0.8	0.6	75			serpentine and cross fibre veins
8 .0	75.0	83.0	8.0	8.0	100		133.2	(See Log)
	83.0	89.0	6.0	2.5	41.6		133.2	Massive phase layered serpentinised
( )	89.0	96.5	7.5	6.2	82.6			peridotite. Layering @ 50° to
	96.5	98.0	1.5	1.3	86.6			LCA. Margins are massive, dark c
	98.0	105.7	7.7	7.7	100			few dark green to black pyroxene
	105.7	109.2	3.5	3.4	97.2			in a serpentine "matrix". Central
10.5	109.2	113.2	4.0	3.5	87.6			portion of 2.5' has 5 bands
	113.2	114.5	1.3	1.3	100	71/L1		2" - 5" thick of serpentine
(5)	114.5	119.0	4.5	3.2	71.1	101		veined pale green pyroxenite c
	119.0	125.0	6.0	4.0	66.6			large $\leq \frac{3}{4}$" pale green orthopyrox-
	125.0	130.0	5.0	4.0	80.0			enes and small granular $\leq \frac{1}{4}$"
1 5.0	130.0	137.0	7.0	6.9	98.6			cumulus texture pyroxene of the
	137.0	147.2	10.2	10.2	100			same type. Bands of pyroxenite
(4)	147.2	148.0	0.8	0.8	100			alternate with 1" to 3" bands of
	148	148	120.4				144.0	a dark red grained serpentinite
								c small dark pyroxenes.

Remarks: 0 - 10' NX CASING CORE

Date 22/5/71 Logged by JOHN G. LANGLANDS

DRILLING PROGRESS REPORT SORELL PENINSULA NODDY CK. Branch

Bore DHNC9 Report No. 823200

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From	To	Int.	Core Rec'd.	%	Dip in Core	Feet	Description
1[illegible].0	148.0	154.5	6.5	6.5	100		144 Alternations of serpentinite with ribbon and stockwork cross fibre and barren pyroxenite.
(6)		159.7	5.2	5.0	96.2		
1[illegible].3		163.7	4.0	3.8	95.1		
		168.0	4.3	4.3	100		144 - 173 Cross fibre and sheared serp.
(7)		178.2	10.2	10.2	100		
1[illegible].2		188.5	10.3	10.3	100		173 - 175 Barren px
(8)		190.5	2.0	2.0	100		175 - 178.7 Serp/px with cross fibre
		194.5	4.0	4.0	100		178.7-180.7 Barren px
200.6		202.0	7.5	7.5	100		180.7-181.3 Ribbon fibre zone
		208.0	6.0	6.0	100	71/L1 100	181.3-183.5 Stockwork cross fibre
(9)		218.2	10.2	10.2	100		183.5-188.0 Barren px
2[illegible].2		226.0	7.8	7.8	100		189.0 188.0-188.8 Ribbon fibre zone.
		233.0	7.0	7.0	100		189.0 Dark and deep green sheared serpentinite c̄ magnetite and slip fibre approx. ½% in
(10)		243.0	10.0	8.5	85		195 composite veins.
247		249.5	6.5	6.5	100		195 Pale green massive, granular serpentinite c̄ composite veins of brittle slip fibre and magnetite ½%. Does not resemble chrysotile host rock type.
(11)		255.0	5.5	5.5	100		
		265.2	10.2	10.2	100		
269.2		275.5	10.3	10.3	100		
(1[illegible])		285.7	10.2	10.0	99		
292		295.2	9.5	9.2	97		
		147.2	147.2	145.8	99		201.5 Dark and pale green sheared and slightly sheared, often flakey, serpentinite c̄ magnetite and talcose slip fibre veins approx. ½%.
							271 Pale green massive granular serpentinite c̄ composite fibrous talc/magnetite veins approx. ½%
							288.7 Pale green sheared serpentinite c̄ ½% talcose slip fibre and magnetite.
							297.2

Remarks:

Date 22/5/71 Logged by JOHN G. LANGLANDS

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DRILLING PROGRESS REPORT SOREL PENINSULA MODDY CK. Branch

Bore DHNC9 Report No. 823201

From	To	Int.	Core Rec'd.	%	Dip in Core
292.8	295.2				
	300.0	4.8	4.2	87	
(13)	305.2	5.2	4.5	86	
	312.7	7.5	6.6	88	
318	319.7	5.0	5.0	100	
	327.0	7.3	7.0	96	
	330.0	3.0	1.6	53 ~~5.3~~	
(14)	335.2	5.2	5.2	100	
	340.0	4.8	4.5	94	71/11 98
342	344.0	4.0	3.0	75	
	348.0	4.0	3.0	75	
(15)	354.5	6.5	5.6	86	
	360.7	6.2	5.8	94	
366	366.0	5.3	4.6	87	
	370.0	4.0	3.7	92	
	375.0	5.0	3.5	70	
(16)	380.0	5.0	4.0	80	
	386.0	6.0	4.0	67	
390	390.0	4.0	1.8	45	
		94.8	77.6	82	

Feet	Description
297.2	Pale green and deep green serpentinite, 50% sheared, 50% massive, alternating. Magnetite in veins. ½% slip fibre overall ō 2 veins of long + 1" brittle talcose slip fibre at 326'
366.8	
366.8	Extremely sheared alternating pale and dark serpentinite. The core is plastic due to severe shearing.
390	

Depth 390 feet
Core 343.8 feet
% Recovery 88%

DIP TESTS

0'	44°
200'	44½°
390'	44°

Remarks:

Date 25/5/71 Logged by JOHN G. LANGLANDS