

DRILLING PROGRESS REPORT SORELL PENINSULA NODDY CK. Branch

Bore DHNG5
 Location 30N 32.5E 3000N LINE
 Bearing 079° (TRUE)
 Depression 45°
 R. L. Collar 776 feet (ESTIMATE)
 Est. Total Depth 600 feet
 Footage for Period 544.5 feet.

Report No. 823172
 Period APRIL 1971
 Operator A.S. JAMES
 Unit E.D.E.C.O. 36
 Bit NQW/L STEP FACED
 Barrel NQW/L

172
 Box
 0
 (1)
 39.0
 (2)
 57.0
 (3)
 80.0
 (4)
 94.5
 (5)
 110.5
 (6)

From	To	Int.	Core Rec'd.	%	Core In Dip	Feet	Description
0	10.0	10.0	10.0	5.0		0-	<u>Siltstone and greywacke; weathered</u>
	12.0	2.0	0.3	15.0		13.0	
	14.0	2.0	0.3	15.0		13.0	<u>Siltstone and greywacke; fresh,</u>
	16.0	2.0	0.5	25.0	35'		<u>carbonaceous, pyritic. Sulphide</u>
	18.0	2.0	0.2	10.0	60°		<u>in slip planes and in vughs.</u>
	20.0	2.0	0.2	10.0		88.5	<u>Layering at 60° to L.C.A. at 35'</u>
	22.0	2.0	0.2	10.0		88.5	<u>Hornfelsed sediments; \bar{o} deformation</u>
	24.0	2.0	0.5	25.0			<u>banding, augen structure and</u>
	29.0	5.0	1.2	24.0		123.2	<u>micro-folded CO₂ veins.</u>
	34.0	5.0	1.6	32.0	112'	123.2	<u>Hornfelsed sediments; deformed</u>
	37.5	3.5	1.3	37.2	50°		<u>contact altered \bar{o} serpentine and</u>
	42.0	4.5	1.2	26.6			<u>chrysotile veins (1/16") Fibre</u>
	44.0	2.0	1.0	50.0		125.9	<u>log 120' - 130'.</u>
	46.5	2.5	0.7	35.8	71/	125.9	<u>Very sheared serpentinite.</u>
	51.0	4.5	1.3	28.4	L1	127.0	
	54.0	3.0	1.5	50.0	82	127.0	<u>Slightly sheared serpentinite; pale</u>
	57.0	2.0	1.4	70.0			<u>green \bar{o} minor slip fibre and</u>
	63.0	6.0	2.9	48.4		137.0	<u>magnetite.</u>
	69.0	6.0	2.6	43.4		137.0	<u>Massive serpentinite; pale green</u>
	73.0	4.0	2.2	55.0			<u>\bar{o} disseminated and vein magnetite</u>
	77.0	4.0	0.8	20.0		140.0	<u>and minor slip fibre.</u>
	81.0	4.0	1.7	42.5		140.0	<u>Sheared and very sheared</u>
	84.0	3.0	2.2	73.5			<u>serpentinite; \bar{o} magnetite. Minor</u>
	86.0	2.0	1.4	70.0			<u>slip fibre in the more massive</u>
	93.0	7.0	5.5	78.5		154.0	<u>portions of the core.</u>
	99.5	6.5	5.7	87.6		154.0	<u>Sheared serpentinite; \bar{o} slip fibre</u>
	104.5	5.0	3.5	70.0			<u>and magnetite. Minor +ve D.M.G.</u>
	111.0	6.5	5.9	90.7		184.0	<u>sulphide blebs at 159.0 and 160.7</u>
	119.0	8.0	7.9	98.7			
	119.25	0.25	0.1	40.0			

Remarks:

Date 7/4/71

Logged by JOHN G. LANGLANDS

DRILLING PROGRESS REPORT SORELL PENINSULA NODDY CK. Branch

Bore DHNC5

Report No. _____

173

Bor

10.5

(6)

25.0

(7)

40.0

(8)

156.5

(9)

172.0

(10)

189.0

(11)

204.0

(12)

218.5

(13)

234.5

(14)

250.0

(15)

264.5

(16)

280.0

(17)

295.0

(18)

310.0

(19)

324.0

(20)

342.0

From	To	Int.	Core Rec'd.	%	Dip in Core	Feet	Description
119.25	123.5	4.25	4.25	100		184.0	<u>Massive serpentinite</u> ; slightly sheared pale green \bar{o} slip fibre.
	127.0	3.5	3.0	85.7			Very minor +ve D.M.G. sulphide
	127.5	0.5	0.3	60.0		204.0	at 188°.
	130.0	2.5	2.0	80.0			
	134.5	4.5	3.1	69.0	71/11	204.0	<u>Massive serpentinite</u> ; as above
	136.75	2.25	1.4	62.4	87		\bar{o} short ribbon and stockwork
	139.5	2.75	2.3	83.7		234.6	cross fibre 231.4 - 232.4.
	143.5	4.0	2.1	52.5		234.6	<u>Massive dark serpentinite</u> ; slightly sheared \bar{o} magnetite and minor slip
	147.5	4.0	3.2	80.0		241.2	fibre.
	154.0	6.5	5.1	78.5		241.2	<u>Massive pale serpentinite</u> \bar{o} short
	160.5	6.5	5.9	90.7		249.8	stockwork and ribbon fibre.
	170.5	10.0	9.7	97.0		249.8	<u>Dark moderately sheared</u>
	174.0	3.5	3.5	100			<u>serpentinite</u> ; \bar{o} magnetite veins
	181.0	7.0	6.6	94.2		293.0	and disseminations.
	189.0	10.0	9.1	91.0		293.0	<u>Massive pale serpentinite</u> ; \bar{o}
	201.0	10.0	9.7	97.0			stockwork cross fibre. Dark
	204.0	3.0	3.0	100			partially serpentinitised pyroxenite
	213.0	9.0	9.0	100			from 305.5 to 306.2 and from
	223.0	10.0	10.0	100		313.6	309 - 310.
	233.5	10.5	10.5	100		313.6	<u>Sheared serpentinite</u> ; with sheared
	243.5	10.0	10.0	100		327.0	and bent cross fibre.
	253.5	10.0	9.2	92.0		327.0	<u>Pale serpentinite</u> ; slightly
	263.5	10.0	10.0	100			sheared \bar{o} short cross fibre.
	272.0	8.5	8.0	94.0			Partially serpentinitised pyroxenite
	279.0	7.0	5.5	78.5		335.0	from 327.5 - 328.5.
	284.0	5.0	3.8	76.0		335.0	<u>Pale sheared serpentinite</u> .
	289.2	5.2	3.2	61.5		342.0	
	294.0	4.8	4.8	100			
	301.0	7.0	4.9	70.0			
	306.0	5.0	5.0	100			
	311.0	5.0	4.6	92.0			
	314.0	3.0	3.0	100			
	320.0	6.0	3.3	55.0			
	323.0	3.0	3.0	100			
	327.0	4.0	3.1	77.6			
	333.0	6.0	4.6	77.6			
	340.0	7.0	3.5	50.0			

Remarks:

Date 12/4/71

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DRILLING PROGRESS REPORT SORELL PENINSULA NODDY CK. Branch

Bore DHNG5

Report No. _____

17A
Box

823174

From	To	Int.	Core Rec'd.	%	Dip In Core	Feet	Description
340.0	349.5	9.5	7.6	80.0		342.0	<u>Massive pale serpentinite; c̄ cross fibre.</u> Dark partially serpentinitised pyroxenite from 352.3' - 354.4' and
(21)	354.5	5.0	4.2	84.0			
358.5	357.5	3.0	2.3	76.6			
	362.0	5.5	5.0	91.0		373.5	<u>366.2' - 370.2'.</u>
(22)	368.8	6.8	6.3	92.7		373.5	<u>Sheared serpentinite; c̄ cross fibre</u>
373.5	374.0	5.2	4.1	78.9		410.1	<u>slip fibre and magnetite.</u>
	378.5	4.5	2.6	57.8		410.1	<u>Deep green, massive and slightly</u>
	380.2	1.7	1.2	70.6	71/81		<u>sheared serpentinite; c̄ magnetite</u>
(23)	384.0	3.8	2.2	57.9	80		<u>and slip fibre veins. Minor</u>
	389.0	5.0	2.7	54.0		517.0	<u>stichtite from 506' - 517'.</u>
390.5	394.5	5.5	3.0	54.6		517.0	<u>Massive serpentinite; deep and pale</u>
(24)	403.5	9.0	4.5	50.0			<u>green, mottled, c̄ disseminated</u>
	409.0	5.5	1.8	32.7			<u>stichtite, occasional minor shears</u>
15.5	415.0	6.0	5.0	83.5		543.0	<u>with magnetite and minor slip fibre.</u>
	420.0	5.0	4.4	88.1		543.0	<u>Very sheared serpentinite.</u>
	424.0	4.0	2.9	72.5		544.5	
	429.5	5.5	4.3	78.3			
431.5	435.0	5.5	4.7	85.5			Depth of hole 544.5 feet
(26)	443.0	8.0	6.8	85.0			Core recovered 414.8 feet
447.0	449.0	6.0	4.6	76.6			% Recovery 76.1%
	453.5	4.5	3.8	84.5	71/81		
(27)	462.5	9.0	4.6	51.2	79		<u>DIP TESTS 45° nominal</u>
466.5	468.5	6.0	5.2	86.6			0'
(28)	474.5	6.0	5.7	95.0			200' 44½°
	480.2	5.7	5.3	93.1			400' 44°
483.0	488.2	8.0	7.3	91.2			540' 43°
(29)	495.0	6.8	6.8	100			
	502.0	7.0	7.0	100			
498.5	504.5	2.5	2.2	89.1			
(30)	511.0	6.5	5.9	90.8			
513.0	518.0	7.0	5.6	80.1			
	524.0	6.5	6.0	92.3			
(31)	534.5	10.0	8.0	80.0			
528.5	544.5	10.0	9.7	97.0			
(32)							
544.5							

Remarks: Core recovery is poorest in sheared serpentinite. The cross fibre zones were almost completely recovered. A.D.D. drilling a similar hole obtained 76.9% recovery.

Date 13/4/71

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