

DRILLING PROGRESS REPORT SORELL PENINSULA NODDY CK. Branch

148

Bore DHNG2 (3000N)
 Location 30N 427E OFFSET 5'N
 Bearing 257 $\frac{3}{4}$ $^{\circ}$
 Depression 45 $^{\circ}$
 R. L. Collar 707.2'
 Est. Total Depth 700 feet, actual depth 512'
 Footage for Period 512'

Report No. 823148
 Period Jan. 15'71 - Feb. 18'71
 Operator M. DOUCH, A.S. JAMES PTY.
 Unit E.D.S.C.O. 36
 Bit NQW/L STEP FACED CARATS
 16.75 Diamond Size per carat
 Barrel 55/70, 33/47
 NQ LONG LEAR

ray
0
(1)
4.5
(7)
7

From	To	Int.	Core Rec'd.	%	Core In Dip	Feet	Description
0	5.0	5.0	0.9	18.0		0-5	Overburden - platform fill.
	10.0	5.0	1.6	32.0		5.0	Green sheared serpentinite \bar{c}
	11.0	1.0	0.4	40.0		9.5	magnetite, no fibre.
	14.0	3.0	3.0	100		9.5	Serpentinite breccia \bar{c} magnetite
	14.9	0.9	0.7	78.0			veins less than 2mm and minor
	20.9	6.0	2.7	46.7		19.9	slip fibre veins (11)
	26.0	5.1	3.3	64.7		19.9	Sheared serpentinite \bar{c} magnetite,
	31.0	5.0	4.8	96.0		24.5	no fibre.
	41.0	10.0	2.2	22.0		24.5	Pale green serpentinite breccia \bar{c}
	48.0	7.0	4.2	60.0			stockwork X-fibre and associated
	58.0	10.0	4.2	46.0			pale green serpentine veins less
	63.0	5.0	4.8	96.0		25.7	than 1cm.
	65.0	2.0	1.4	70.0		25.7	Green sheared serpentinite and
	69.5	4.5	3.2	71.2			breccia \bar{c} magnetite and very
	69.5	69.5	37.4	53.8		30.5	minor slip fibre (2)
						30.5	Ribbon fibre in pale green
							serpentinite @ 45 $^{\circ}$ to L.C.A. to
							30.7', massive X-fibre stockwork
							to 31.3'. Ribbon fibre and short
							stockwork X-fibre in pale green
						31.7	serpentinite to 31.7'.
						31.7	Dark sheared serpentinite breccia
						47.2	\bar{c} slip fibre (5)
						47.2	Pale green massive serpentinite
							breccia \bar{c} stockwork X-fibre 57.0'
						58.0	- 58.0', minor threadveins only.
						58.0	Dark sheared serpentinite becoming
						61.0	massive and granular towards end.
						61.0	Pale green serpentinite \bar{c} ribbon
							and stockwork X-fibre and pale
							green subtranslucent serpentine

Remarks: 65.8 veins less than 5mm.

Numbers in brackets e.g. (3) after slip fibre is mentioned indicates the number of veins of slip fibre cutting the core in that interval.
 X-fibre = cross fibre
 L.C.A. = long core axis

Date 13/2/71 Logged by JOHN G. LANGLANDS

DRILLING PROGRESS REPORT SORELL PENINSULA HODDLE CO. Branch

Bore DHW62

Report No. _____

Tray 149

From	To	Int.	Core Rec'd.	%	Dip In Core	Feet	Description <u>823149</u>
69.5	79.5	10.0	3.3	33.0		65.8	<u>Dark medium grained granular</u>
	89.5	10.0	4.4	44.0		66.5	<u>serpentinite.</u>
	99.5	10.0	3.1	31.0		66.5	<u>Pale green subtranslucent serp.</u>
	104.5	5.0	2.7	54.0			<u>breccia</u> \bar{o} <u>short stockwork X-fibre</u>
	105.0	0.5	0.5	100			<u>and some slip fibre.</u>
	109.0	4.0	1.7	42.5			<u>80.0 - 83.0 good ribbon fibre zone</u>
	111.0	2.0	2.0	100			<u>high %, less than or equal to 2/16"</u>
	113.0	2.0	2.0	100		89.5	<u>sub parallel to L.C.A.</u>
	115.0	2.3	1.1	47.7		89.5	<u>Slightly sheared dark serpentinite</u>
	120.0	4.7	1.9	40.4			<u>breccia</u> \bar{o} <u>minor veins of magnetite</u>
	130.0	10.0	3.4	34.0		130.0	<u>and slip fibre (11)</u>
	140.0	10.0	1.0	10.0		130.0	<u>Pale green serpentinite</u> \bar{o} <u>cross</u>
	150.0	10.0	1.8	18.0		140.0	<u>fibre. N.B. high core loss.</u>
	160.0	10.0	3.2	32.0		140.0	<u>Dark medium grained serpentinite</u>
	162.0	2.0	1.2	60.0			<u>breccia</u> \bar{o} <u>slip fibre (6) and minor</u>
	164.0	2.0	1.1	55.0		151.5	<u>X-fibre.</u>
	166.0	2.0	1.6	80.0		151.5	<u>Alternations of pale green</u>
	169.0	3.0	2.4	80.0			<u>translucent serpentinite</u> \bar{o} <u>minor</u>
	174.6	5.6	2.3	41.0			<u>X-fibre (3) at 151.5, 166.8,</u>
	179.0	4.4	3.2	72.8			<u>167.4 and slip fibre (7) and dark</u>
	184.0	5.0	3.3	66.0			<u>granular slightly sheared serp.</u> \bar{o}
	189.0	5.0	3.6	72.0		184.5	<u>slip fibre (5) and minor magnetite.</u>
	194.0	5.0	3.0	60.0		184.5	<u>Mostly dark, sheared to very</u>
	198.0	4.0	2.5	62.5			<u>sheared serpentinite</u> \bar{o} <u>magnetite</u>
	202.0	4.0	4.0	100			<u>with thin alternations of green</u>
	204.6	2.6	0.9	34.5			<u>subtranslucent sheared serp.</u>
	209.0	4.4	1.2	27.2		209.0	<u>2 good slip fibre veins @ 194.5 (2)</u>
	213.5	4.5	3.3	73.5		209.0	<u>Pale green slightly sheared</u>
	219.0	5.5	5.1	92.8			<u>subtranslucent serpentinite</u> \bar{o}
							<u>secondary serp. veins and short</u>
							<u>X-fibre veins, X-fibre threadveins</u>
						214.3	<u>and slip fibre.</u>
						214.3	<u>Massive, hard partially</u>
							<u>serpentinised pyroxenite</u> \bar{o} <u>few</u>
							<u>irregular serp. veins less than</u>
						221.1	<u>5mm - no fibre.</u>

Remarks: As before

Date 13/2/71

Logged by JOHN G. LANGLANDS

DRILLING PROGRESS REPORT SORRELL PENINSULA NODDY CK. Branch

Bore DHNG2

Report No. _____

150

Tray	From	To	Int.	Core Rec'd.	%	Dip In Core	Feet	Description
								823150
(9)	219.0	223.6	4.6	4.4	95.8		221.1	<u>Green and pale green serpentinite</u>
		229.0	5.4	3.4	63.0		224.0	<u>̄ short stockwork and ribbon fibre.</u>
		233.0	4.0	2.1	52.5		224.0	<u>Sheared and very sheared serp.</u>
240.0		239.0	6.0	1.9	31.6			<u>̄ magnetite and some slip fibre</u>
		243.0	4.0	2.2	55.0			<u>(6) adjacent to X-fibre zone to</u>
(10)		249.0	6.0	2.1	35.0			<u>229.3, minor short X-fibre @</u>
		252.0	3.0	2.5	83.3		252.0	<u>235.7, slip fibre (2) @ 251.</u>
		252.5	0.5	0.4	80.0		252.0	<u>Dark slightly sheared serpentinite</u>
		255.5	3.0	1.9	63.3			<u>breccia ̄ magnetite and pale green</u>
		258.9	3.4	0.6	17.6		294.0	<u>picrolite veins.</u>
		261.0	2.1	0.9	42.8		294.0	<u>Massive pale green serpentinite</u>
		262.0	1.0	0.7	70.0			<u>̄ irregular blebs of brown silicate</u>
		263.2	1.2	0.9	75.0			<u>less than low, minor gash veins</u>
54.0		264.0	0.8	0.8	100		296.0	<u>short X-fibre and minor slip fibre.</u>
		265.0	1.0	0.6	60.0		296.0	<u>Dark sheared serpentinite ̄</u>
		267.0	2.5	1.4	56.0		304.0	<u>magnetite veins and slip fibre (10)</u>
(11)		270.0	2.5	2.0	80.0		304.0	<u>Massive green vari-coloured serp.</u>
		274.5	4.5	2.2	46.0			<u>̄ secondary serp. veins, minor</u>
		279.5	5.0	4.5	90.0			<u>short X-fibre gash veins and slip</u>
284.8		284.5	5.0	2.0	40.0		310.5	<u>fibre (8).</u>
		289.0	4.5	0.7	15.5		310.5	<u>Dark sheared serpentinite.</u>
		292.0	3.0	0.8	26.3		313.0	
		294.0	2.0	0.7	35.0		313.0	<u>Mostly green and light green</u>
		296.5	2.5	2.0	80.0			<u>subtranslucent serpentinite ̄</u>
		298.5	2.0	1.8	90.0			<u>X-fibre of good length but low</u>
(12)		300.0	1.5	0.7	46.5			<u>yield. X-fibre veins at low angles</u>
		302.5	2.5	2.2	88.0			<u>to L.C.A. (less than or equal to</u>
		304.0	1.5	1.0	66.6			<u>15°). Few short intersections of</u>
		306.0	2.0	1.6	80.0			<u>dark granular serpentinite. Slip</u>
08.5		308.5	2.5	2.4	96.0			<u>fibre occurs throughout. Prominent</u>
		311.0	2.5	2.3	92.0			<u>textural layering @ 90° to L.C.A.</u>
		314.0	3.0	2.2	73.4			<u>from 338.6 to 344. Finely</u>
		318.5	4.5	2.5	55.6		344.7	<u>disseminated spinel 2%.</u>
		320.0	1.5	0.9	60.0		344.7	<u>Massive dark granular serp. ̄</u>
(13)		321.0	1.5	1.0	66.6			<u>minor short X-fibre. Irregular</u>
		323.0	1.5	0.7	46.5		345.8	<u>oriented slip planes.</u>
28.0		324.5	1.5	1.2	80.0			

Remarks: As before

Date 13/2/71

Logged by JOHN G. LANGLANDS

DRILLING PROGRESS REPORT SORELL PENINSULA Muddy CK. Branch

Bore DHNC2

Report No. _____

151
Tray

(14)

(15)

(16)

(17)

(18)

(19)

(20)

From	To	Int.	Core Rec'd.	%	Dip In Core	Feet	Description
324.5	327.0	2.5	1.7	68.0		345.8	<u>Green and light green serp.</u> as above 313-344.7 \bar{c} good quality,
	329.6	2.6	2.0	77.0		353.0	low yield fibre.
	330.0	0.4	0.4	100		353.0	<u>Dark sheared serpentinite</u> \bar{c}
	334.0	4.0	3.6	90.0		353.0	higher than normal slip fibre
	337.0	3.0	2.4	80.0		365.5	content.
	341.0	4.0	4.0	100		365.5	<u>Deep green serpentinite</u> \bar{c}
	344.5	3.5	3.5	100		365.5	stockwork of slip fibre and
	353.5	9.0	5.8	64.5		369.5	magnetite veins
	357.5	4.0	1.4	35.0		369.5	<u>Very sheared pale to deep green serpentinite</u> \bar{c} slip fibre and
	363.5	6.0	1.5	25.0		371.5	magnetite.
	370.5	7.0	5.4	77.0		371.5	<u>Sheared serpentinite</u> , deep green as pale green, sheared and slightly
	374.5	4.0	4.0	100		371.5	sheared alternating \bar{c} magnetite segregations and minor slip fibre
	381.5	7.0	5.8	82.8		371.5	veins @ 379' and 414'-416'.
	384.0	2.5	2.5	100		416.0	Minor +ve D.M.G. sulphide bleb in magnetite vein @ 411'.
	393.5	9.5	8.0	84.2		416.0	<u>Serpentinite</u> , pale green, slightly sheared \bar{c} stockwork slip fibre
	403.5	10.0	7.2	72.0		433.5	and magnetite.
	411.5	8.0	7.4	92.5		433.5	<u>Sheared serpentinite</u> , pale green \bar{c} fibrous talc and magnetite in
	414.5	3.0	3.0	100		433.5	veins @ 20 ^o -45 ^o to L.C.A. Slickensides in veins at 90 ^o to
	422.0	7.5	5.5	73.3		439.0	L.C.A. Minor +ve D.M.G. sulphide blebs in vein \bar{c} slip fibre and
	429.5	7.5	7.5	100		439.0	magnetite @ 434', 437.5'
	434.5	5.0	5.0	100		439.0	<u>Slightly sheared serpentinite</u> , pale green \bar{c} magnetite and minor
	439.0	4.5	3.5	77.8		439.0	slip fibre. Minor +ve D.M.G. sulphide @ 443.5, 444.5, 445.8,
	444.0	5.0	5.0	100		450.5	448.4 associated with slip fibre and magnetite veins.
	452.0	8.0	7.5	93.8			

Remarks:

Date 25/2/71

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DRILLING PROGRESS REPORT SORELL PENINSULA NODDY CK. Branch

Bore DHNC2

Report No.

152

Tray	From	To	Int.	Core Rec'd.	%	Dip in Core	Feet	Description
55.0 (21)	452.0	461.0	9.0	7.5	83.5		450.5	<u>Sheared and very sheared serpentinite, pale green, \bar{c} magnetite and flakey and fibrous talc and minor long brittle slip fibre.</u> Minor +ve D.M.G. sulphide blebs, associated \bar{c} veins @ 461.2, 463.9, 472.4, 473.0, 474.2, 477.0, 478.0, 484.5, 491.5, 493.0, 494.0, 494.7, 512.0 497.0, 503.3, 510.5, 511.8.
		464.0	3.0	2.2	73.3			
		469.0	5.0	2.1	42.0			
		474.0	5.0	4.7	94.0			
76.5 (22)		480.0	6.0	5.7	95.0			
		484.0	4.0	3.5	87.5			
92.5 (23)		490.0	6.0	5.0	83.3			
		494.0	4.0	3.6	90.0			
		496.5	2.5	2.5	100			
		504.0	7.5	4.5	60.0			
		507.0	3.0	0.9	30.0			
		508.0	1.0	0.7	70.0			
		510.0	2.0	0.8	40.0			
12.0		512.0	2.0	1.6	80.0			

Overall Core Recovery 319.3 feet
 Hole Depth 512.0 feet
 Overburden 5.0 feet
 % Recovery 63.0 %

DIP TESTS

0° 46°
 200° 47°
 400° 46°

Remarks: L.C.A. - Long Core Axis.

Hole stopped at 512' by the geologist due to combination of slow progress in very poor drilling country and footage required to intersect hanging wall contact of serpentinite (N200')

Date 25/2/71

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DRILLING PROGRESS REPORT SORELL PENINSULA NODDY CK. Branch

Bore DHNC2

Report No. _____

153

From	To	Int.	Core Rec'd.	%	Dip in Core	Description																																
						823153																																
						<p align="center">ORIENTATION OF CROSS FIBRE VEINS TO LONG CORE AXIS (L.C.A.)</p> <table border="0"> <thead> <tr> <th align="left">Feet</th> <th align="left">Orientation</th> </tr> </thead> <tbody> <tr><td>314.5</td><td>40°</td></tr> <tr><td>320.5</td><td>0°</td></tr> <tr><td>321.0</td><td>45°</td></tr> <tr><td>324.5</td><td>0°</td></tr> <tr><td>327.5</td><td>3°</td></tr> <tr><td>331.5</td><td>10° - 40°</td></tr> <tr><td>334.5</td><td>70°</td></tr> <tr><td>336.5</td><td>0°</td></tr> <tr><td>338.0</td><td>10°</td></tr> <tr><td>338.0 - 344.0</td><td>≤ 10°</td></tr> <tr><td>344.5</td><td>30°</td></tr> <tr><td>346.0</td><td>< 5°</td></tr> <tr><td>346.0</td><td>85°</td></tr> <tr><td>348.0</td><td>30°</td></tr> <tr><td>352.0</td><td>80°</td></tr> </tbody> </table>	Feet	Orientation	314.5	40°	320.5	0°	321.0	45°	324.5	0°	327.5	3°	331.5	10° - 40°	334.5	70°	336.5	0°	338.0	10°	338.0 - 344.0	≤ 10°	344.5	30°	346.0	< 5°	346.0	85°	348.0	30°	352.0	80°
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Remarks:

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