

SCALE 1:100

M'INTYRE MINES (AUST.) PTY LTD
EXPLORATION DEPARTMENT

LENGTH 69.50m NORTHING 62775
 AZIMUTH 87°30' EASTING 76746
 DIP AT COLLAR 55°E ELEVATION 492.3
 LOCATION EASTERN RIDGE.

MOLE No 325 PAGE / OF 1/3
 PROJECT KARA.

% CORE RECOVERY	CORE SPLIT	FLAT RATE		FRACTURING	BEDDING	GEOLOGY	MINERAL
		INTERVAL	GRAMS				
NC CNS-1							
4.57							
94.26							
5.74							
100							
732							
15.78							
3.24		1.0	780				
71.4		1.0	560				
11.52		1.0	780				
100		1.0	1400				
100		1.0	500				
4.63		1.0	760				
100		1.0	1112				
100		1.0	1600				
7.65		1.0	1300				
96.50		1.0	450				
20.42		1.0	150				
100		1.0	470				
2.64		1.0	190				
1.06		1.0	330				
2.95		1.0	140				
76.58		1.0	1550				
23.47		1.0	470				
81.97		1.0	1550				
24.69		1.0	470				

MINERALISATION
 MAIN LITH. LOG SUMMARY:-
 "UPPER SARN. UNIT" 0-40.25
 "UPPER EST UNIT" 40.25-62.50
 "LOWER SARN." 62.50-60.50
 "LOWER EST" 60.50-40M.
 LEVELS OF OXIDATION.
 W = 0.00 - 26.40m
 X = 26.40 - 24.90m
 Y = 24.90 - 50.30m
 F = 50.30 - E.O.M.

GEOLOGY
 NO CORE
 NX CASED TO 4.57m.
 OVERGROWN, CARYS AND COMPLETELY
 WEATHERED SARN SLUDGE.
 MOLE COLLAR ON SARN.
 4.57m.
 4.57-26.40m.
 UNDIFFERENTIATED SARN.
 COMPLETELY OXIDISED.
 GOETHITE/LIMONITE ABUNDANT
 CLAY ZONES COMMON.
 SOFT, RUBBY, LIGHT, VERY LITTLE
 REMNANT. MAGNETITE.

ANGLE READ	
ANGLE CORRECTED	
AZIMUTH	
DEPTH	
SURVEY	P.P.A.

NIL
 SCHEELITE
 MINERALISATION.

14.20m-14.60m.
 EXCELLENT ACCUMULATION
 OF WHITE 'ORAINS' SOFT
 SCHEELITE.
 EST. 1.0-1.2% WLS

CONTRACTOR M'INTYRE MINES (P. O. COMPANY)
 CORE NX
 CASING NX (4.57m)

LOGGED BY CMV DATE 31 AUG 1982
 STARTED 26 JULY 1982
 FINISHED 5 AUG 1982

24.20-24.7 - EXCELLENT
 SOFT WELL DISSEMINATED
 WHITE-YELLOW SCHEELITE
 ESTIMATED +3.0% WLS.

20.40m - 24.40m.
 UNDIFFERENTIATED SARN.
 AS ABOVE UNIT, BUT LESS OXIDISED
 BLOCKY, JOINTED
 GOETHITE, LIMONITE ETAL ABUNDANT
 24.40m.
 ↓ 2780m. SEE BELOW.

LOGGED BY CMV DATE 31 AUG 1982
 STARTED 26 JULY 1982
 FINISHED 5 AUG 1982

SCALE 1:150

LENGTH 6950m NORTHING 6227.0
 AZIMUTH 87.30° EASTING 7674.6
 DIP AT KOLLAR 55° ELEVATION 492.3
 LOCATION EASTERN RIDGE.

MINIPIRE MINES (AUST.) PTY. LTD
 EXPLORATION DEPARTMENT

HOLE No 325 PAGE / OF 2 / 3
 PROJECT KARRA

25
30
35
40
45

% CORE RECOVERY	CORE SPLIT	LAT. RE		FRACTURING	BEDDING	GEOLOGY	MINERAL
		INTERVAL	FORMING				
35.62		1.0	0521			Tc	
44.26		1.0	025				
36.82		1.0	580				
100		1.0	040				
2.34		1.0	1150			Tm	
100		1.0	080				
36.78		1.0	020			Tgd.	
42.5		1.0	210				
32.61		1.0	420				
100		1.0	1750				
100		1.0	430			Tm2a	
35.66		1.0	240				
100		1.0	040				
100		1.0	1200				
50.71		1.0	350			Tgd (m)	
100		1.0	6100				
100		1.0	390				
44.75						Q (e)	
44.65							
44.81							
45.11							
45.78							
46.00							
46.63							
46.94						Q.	
51.47							
51.46							
100							
49.45							

MINERALISATION

2730 - 2775m.
 GOOD ACCUM FINE WHITE
 SPECIES OF KEMERLITE
 0.2% Wt. EST.

2775 - 3130m MEDIUM
 TO COARSE WHITE
 FLUORESCENCE
 0.25% Wt. EST

3130 - 3915
 FINE SPECKS OF
 KEMERLITE DISTRIBUTED
 THROUGHOUT, BUT WELL
 DISPERSED.
 SUB CUT OFF GRADE.
 0.1 - 0.15%.

3915 - 3985 - VERY FINE.
 BUT WELL DISSEMINATED
 KEMERLITE.
 EST 1.0% Wt.

N/A OR
 VERY FEW
 ISOLATED
 FINE SPECKS
 KEMERLITE.

GEOLOGY

EPIDOTE SOAPSTONE.
 STILL OXIDISED
 ANTHONIANTITE EMISSION TO 25.30m.

2780m.
 MAGNETITE SOAPSTONE.
 MAG APPROX 30%.
 STILL OXIDISED.

3010m.
 GARNET DIOPSIDE SOAPSTONE.
 LIGHT BROWN TO PINK.
 WELL CRYSTALLINE - HARD.

3130m.
 MAGNETITE, AMPHIBOLE SOAPSTONE.
 AMPHIBOLE, FINE SOFT AND
 DISSEMINATED.
 MAGNETITE CONTENT ESTIMATED
 TOT. 20-25%.
 ALMOST FRESH AND UNOXIDISED
 BRITTLE.
 FINE TO MEDIUM GRAINED TEXTURE.
 LITTLE DIOPSIDE CONTENT.

3500m.
 GARNET DIOPSIDE (MAGNETITE 10%)
 SOAPSTONE.
 ALMOST UNOXIDISED, EXCEPT AT
 END OF RUN.

4025m.
 STRONGLY EPIDOTISED ARENACEOUS
 SEQUENCE.
 VERY SOFT DECOMPOSED, SOAPSTONE.
 POOR CORE RECOVERY.

4420m.
 QUARTZITE.
 FINE GRAINED, HARD, LIGHT
 GREY QUARTZITE.
 BLOCKY, JOINTED.

ANGLE READ
 ANGLE CORRECTED
 AZIMUTH
 DEPTH
 SURVEY PDA
 CONTRACTOR MINIPIRE MINES / C.M. CURRYEY.
 CORE NX
 LOGGED BY CHW DATE 31 AUG 1982
 STARTED 26 JULY 1982

↓ 5080m.

LENGTH 69.50m NORTHING 6227.6
AZIMUTH 87°30' EASTING 7674.6
DIP AT BOLEAR 55° ELEVATION 492.3
LOCATION EASTERN RIDGE.

HOLE No 325. PAGE / OF 3 / 2.
PROJECT KARA.

SCALE 1:100

50
75
60
65
70
75

% CORE RECOVERY	CORE SPLIT	PLAT. RE		FRACTURING	BEDDING	GEOLOGY	MINERAL
		INTENAL	SPR NG3				
85.19							
51.81		1.0	490				
100		1.0	40			Q _(c)	
54.56		1.0	410				
100		1.0	40				
57.61		1.0	340				
100		1.0	110				
57.61		1.0	160				
100		1.0	80				
58.50-61.00		1.0	420			T _e	
100		1.0	3100				
58.66		1.0	3500				
100		1.0	860				
57.71		1.0	1550				
100		1.0	360				
57.71		1.0	370			T _m (50)	
100		1.0	55				
64.5		1.0	130			T _m	
100							
69.50						Q _s	

MINERALISATION 50% ↑

52.80m

QUARTZITIC UNIT
HIGHLY INDOURATED.
FINE TO MEDIUM GRAINED TEXTURE.
VERY TRANSITIONAL TO BEING CLASSIFIED AS SAARN.
MINOR UNITS ARE SAARNIFIED AND EPIDOTISED.

CONTACT WITH UNDERLYING SAARN UNIT IS VERY GRADATIONAL.

56.50m

56.50-58.50
VERY FEW ISOLATED SCHEELITE SPECKS.

58.50-61.00 - WELL DISSEMINATED FINE YELLOW SCHEELITE EST. 0.55% WC.

61.00-62.50m - AS ABOVE BUT NOT AS DISSEMINATED 0.20% EST WC.

63.70m

MAGNETITE SAARN.
MAGNETITE CONTENT - 80%.
FINE + WELL DISSEMINATED HARD + BRITTLE UNIT.

66.00m
66.50m
TRANSITIONAL SAARN (MAG) + AZT.

LOWER SANDSTONE UNIT.
FINE GRAINED SST/AZT.
MEDIUM SOFT.
LIGHT GREY.
JUNTING NOT TOO COMMON.

HOLE STOPPED BEFORE GRANITE.
THIS UNIT (SST) COMPARABLE TO THAT IN. D.M. 323.

GEOLOGY

52.80m

56.50m

63.70m

66.00m
66.50m

69.50m

ANGLE READ

ANGLE CORRECTED

AZIMUTH

DEPTH

SURVEY P.D.A.

CONTRACTOR VINTAGE MINES (AUST.) PTY. LTD.

CORE N.Y.

CASING OX (4.57m)

LOGGED BY CHW. DATE 31 AUG 1982

STARTED 26 JULY 1982

FINISHED 5 AUG 1982

E.O.H 69.50m.