832131 126

REPORT No.

METALS EXPLORATION LTD.
& SUBSIDIARY COMPANIES

MINERAL EXPLORATION
DIAMOND DRILL LOG

Prospect, area, project or mine. MT. BISCHOFF

HOLE No. MBD 63

COLLAR LOCATION

Grid name | Rectangular space co-ordinates: PLANAR CO-ORDINATES | ELEVATION

(1) _____ _____ N _____ E _____

(2) _____ _____ N _____ E _____

(3) Aust. Map Grid (PRECISE / APPROX.) _____ mE _____ mN _____ m A.H.D.

1:250 000 Sheet No. BURNIE SK55-3

1:100 000 Sheet No. HELLYER 8015

State TASMANIA

Mineral Tenement EL 13/79

Holder METALS EXPLORATION LTD.

Cadastral location and details (CROWN LAND / PRIVATE)

W.C. Bearing from collar
_____ magnetic
_____ grid (1)
_____ grid (2)
_____ grid (3)
_____ true

Inclination at collar 90°

Total length 149.50m

Commenced: 27 / 3 / 81

Completed: 31 / 3 / 81

Drilling contractor: LONGYEAR AUST. PTY. LTD.

Rig type: LONGYEAR H.C. 150

Details of down hole location-survey methods.
EASTMAN Single Shot Camera

Purpose of drilling and anticipated lengths to targets.
Exploration hole to investigate "buried dolomite" to south-west of Mount Bischoff. Anticipated depth of target at about Rh 500m.

Core size and non-coring (NC)

TRICONE	0	TO	1.7
NQ	1.7	TO	71.5
BQ	71.5	TO	149.5
		TO	
		TO	
		TO	

Results of down hole location-survey.

LENGTH FROM COLLAR	W.C. BEARING type	DIP
30m	in casing	87°30'
60m	"	87°
90m	280°	88°
120m	263°	88°
149.5m	291°	86°

Comments on drilling. Hydraulic pump broke down on 29/3/81. Two shifts lost.

Legend for graphic log column (see drill log for Hole No. _____)
'DERWENT' PENCIL No. | FIELD ROCK NAME, ETC.

Symbols and abbreviations for drilling notes column.

LOGGED BY D. COMPSTON FROM 0 TO 149.5m DATE 3/4/81

LOGGED BY _____ FROM _____ TO _____ DATE _____

LOGGED BY _____ FROM _____ TO _____ DATE _____

Company managing exploration programme.
METALS EXPLORATION LTD.

HOLE No. MBD 63
Log sheet 1 of 1

832132 127

DEPTH	INTERVAL	DEPTH from-to : ROCK UNIT (capital letters, underlined) / Depth : Description and notes (indented about 10mm)	POINTER	GRAPHIC LOG	POINTER	MINERALISATION	ASSAYS AVAILABLE	PULVERED ASSAYS

NOTES: 1. FOR ABBREVIATIONS SEE "FIELD GEOLOGIST'S MANUAL", D.A. BERKMAN & W.R. RYALL (ED), MONOGRAPH No.9 AUSTRALAS. INST. MIN. METALL. - 1976
2. ATTITUDE OF BEDDING, VEIN, ETC. IS ANGLE BETWEEN PLANAR STRUCTURE AND LONG AXIS OF CORE 3. LENGTH IS GIVEN AS METRES OR MILLIMETRES.

DEPTH	INTERVAL	DEPTH from-to : ROCK UNIT / Depth : Description and notes	GRAPHIC LOG	MINERALISATION
0	1.7m	0-1.7 Tricone Bit-No core		
	27.8m	1.7-29.5 SILTSTONE, lesser CARBONACEOUS SHALE, lesser QUARTZITE 1.7-11.4 Weathered siltstone, and carbonaceous shale strongly disrupted in parts. 11.4-29.5 Strongly disrupted sandy siltstone and black shale, with rare quartzite fragments. Common carbonate and/or quartz veins and stringers. Rare fluorite veins.		py trace in carbonate veins and stringers.
20				
	45.6m	29.5-75.1 CARBONACEOUS SHALE, lesser SILTSTONE, minor QUARZITE Strongly disrupted and slump brecciated. Irregular siltstone and quartzite fragments in "matrix" of carbonaceous shale. Common carbonate veins and stringers, rare qtz veins.		py trace disseminated through qtzite fragments, also in thin carbonate veins and stringers.
40				
60		5 cm 74.7-75.1 silicified contact m/mism		
	2.1m	75.1-77.2 PORPHYRY-medium grained, glassy matrix.		py-coarsely disseminated 15%
80	21.0m	77.2-98.2 CARBONACEOUS SHALE, SILTSTONE, minor QUARTZITE Strongly disrupted and slump brecciated. Mainly black carbonaceous shale and siltstone with minor qtzite fragments. Common carbonate and/or quartz veins and stringers. Rare fluorite vein. 77.2-81.6 silicified contact.		py, sph py-in carbonate veins and stringers and disseminated through siltstone. sph-occasionally in py-carb veins py>>sph
100	8.9m	98.2-107.1 Sandy SILTSTONE, minor CARBONACEOUS SHALE Mainly massive black sandy siltstone, with common white mica. Black shale increase toward 107.1		py, po, cpy py-trace in thin carbonate veins po-in vein with py-carb-cpy. cpy-trace with po py>> po>> cpy
	12.1m	107.1-119.2 CARBONACEOUS SHALE, lesser SILTSTONE minor QUARTZITE Strongly disrupted slump brecciated. Common siltstone and quartzite fragments in black shale. Common carbonate stringers.	q	py-trace as pyritic silstone fragments, and as occasional veins.
120		Continued next page.		

AFTER TYPING THIS SIZED FORM WILL BE PHOTO-REDUCED TO A4 SIZE

FIELD COPY
METALS EXPLORATION LTD.
EXPLORATION DEPARTMENT

TO BE SENT TO MELBOURNE FOR TYPING
SUMMARY DRILL LOG
Scale 1:1000, 1:500, 1:250 (when reduced to A4)
Prepared by: D. COMPSTON
Date: 3/4/81
HOLE No. MBD 63
Sheet 1 of 2

832133128

DEPTH	INTERVAL	DEPTH from-to : ROCK UNIT (capital letters, underlined) / Depth : Description and notes (indented about 10mm)	POINTER	GRAPHIC LOG	POINTER	MINERALISATION	ASSAYS AVAILABLE	BULKED ASSAYS

NOTES: 1. FOR ABBREVIATIONS SEE "FIELD GEOLOGIST'S MANUAL", D.A. BERKMAN & W.R. RYALL (ED), MONOGRAPH No. 9 AUSTRALAS. INST. MIN. METALL. - 1976
2. ATTITUDE OF BEDDING, VEIN, ETC. IS ANGLE BETWEEN PLANAR STRUCTURE AND LONG AXIS OF CORE 3. LENGTH IS GIVEN AS METRES OR MILLIMETRES.

120

21.7m	119.2-140.9 QUARTZITE, SILTSTONE, lesser CARBONACEOUS SHALE Thinly bedded light-grey quartzite, siltstone and lesser carbonaceous shale, moderately disrupted in parts. Occasional silstone and quartzite beds contain up to 50% pyrite. Occasional qtz and/or carbonate veins and stringers.	py 1-2% disseminated in siltstone and quartzite beds up to 1.5 cm thick. Also in thin veins and stringers.

140

1.4m	140.9-142.3 QUARTZITE-massive, light grey, common qtz carb. veins.	no apparent sulphides
	142.3-148.2 CARBONACEOUS SHALE, SILTSTONE, lesser QUARTZITE Strongly disrupted and slump brec. Main carb. shale with siltstone and qtzite fragments.	py trace disseminated in thin carb veins and stringers. Also dissem. in siltstone.
1.0m	148.2-149.2 QUARTZITE, lesser SILTSTONE minor CARBON.	py-trace in carbonate veins and stringers
0.3m	149.2-149.5 CARBONACEOUS SHALE, lesser SILTSTONE, minor QUARTZITE.	py-trace in veins

END OF HOLE 149.50m

160

180

5 cm

AFTER TYPING THIS SIZED FORM WILL BE PHOTO-REDUCED TO A4 SIZE (1:1000, 120mm (1:500), 60mm (1:250)

FIELD COPY
METALS EXPLORATION LTD.
EXPLORATION DEPARTMENT

TO BE SENT TO MELBOURNE FOR TYPING
SUMMARY DRILL LOG Prepared by:
Scale 1:1000 1:500 1:250

HOLE No. MBD 63