By N° 2277.

DRILLING TARGET:— To test extension of Fooks Lode 40 118

REMARKS:— Target not intersected

SURVEY DATA			ASSAY DATA							
DEPTH feet	Bearing mag.	Inclin. degs.	SAMPLE No.	FROM ft. ins.	TO ft. ins.	RECOVERY ft. ins.	%	ASSAY RESULTS		

GEOLOGICAL LOG Logged by:— G. GREEN

FROM ft. ins.	TO ft. ins.	RECOVERY ft. ins.	%	DESCRIPTION	SECTION Core	SECTION Sample
0	10 6	2 9	27	Scoriaceous basalt		
10 6	25 6	14 2	95	Non scoriaceous basalt		
25 6	35 6	5 0	50	25'6" - 34'6" - Scoriaceous basalt		
35 6	45 6	2 6	25	34'6" - 36'10" - Massive basalt, last 6"		
45 6	48 0	0	0	weathered		
48 0	58 0	10 0	100	36'10" - 48'6" - Broken, only 1½" solid core recovered. Leached orange clay - possible Tertiary		
				48'6" - 58'0" - Weathered leached and fractured siltstone and breccia, pale gray to fawn colour. Precambrian broken throughout		
58 0	113 7	51 7	100	Interbedded brown grey siltstone and muddy sandstone. Strongly fractured throughout with abundant carbonate veins and fine crystalline pyrite associated with joint faces and carbonate veins. Carbonate veining especially pronounced at 106' - 111'. Core strontly broken and weathered throughout. Longest run of relatively unbroken core is 100' to 102'10"		
113 7	121 10	7 3	88	Into sedimentary breccia with siltstone and black shale fragments in muddy sandstone		

Continued over:—

DEPARTMENT OF MINES — TASMANIA

DIAMOND DRILL CORE RECORD

HOLE No.:— F.L.9 | MAP SHEET No. 36 | DISTRICT WARATAH | LOCATION OF SITE:— FOOKS LODE

Distant 748 ft. bearing 200° (mag.) from Fooks Upper Adit

Core held. M13

R.L. OF SITE:— 1900'	SITE SURVEY ON MAP No.:— 2455	CORE SIZE:— B X M
BEARING OF HOLE:— N20° W	AIR PHOTO No.:—	COMMENCED:— 27/3/72
INCLINATION OF HOLE:— 60° Mine General	DRILL:— Joy Sullivan HD 30	COMPLETED:— 9/5/72
CO-ORDS. OF SITE:— 377260E 5411400N	DRILLER:— G. Baker	FINAL DEPTH:— 530' 8"

Index Page:—

FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	DESCRIPTION	SECTION Core	SECTION Sample
							matrix. Core still very weathered and broken in places, carbonate veined in places, especially prominent at 116'. At 121'8" weathered purple fluorite (?) associated with carbonate and quartz in strongly broken and weathered sections of core. Little or no apparent sulphide mineralization here. Possible fault.		
121	10	199	10	40	8		Change from AX to EX core. Into weathered massive fawn muddy sandstone with subordinate interbedded fine siltstone. Sandstone speckled white appearance; possibly arkosic.		
199	10	264	4	39	7	64	Conglomerate with clasts of banded gray siltstone, black shale and massive gray quartzite up to 1" in diameter in sandy matrix consisting largely of fragments of above rock types. Minor carbonate veining throughout, with abundant veining 216'8" - 236'9" with pyrite associated with carbonate grey siltstone interbeds present 216' - 216'8", 231' - 237'6". Pyrite often weathered. Calcopyrite in carbonate vein at 233'.		
264	4	288	1	19	3		Fawn siltstone with carbonate veinlets occasionally associated with fluorite at 270'7". Traces of jamesonite associated with carbonate veinlets and pyrite at 273' - 273'3" and 286'4" - 286'5". Rock locally dolomite at 284'10" - 285'3".		
288	1	306	4	18	3	100	Breccia as at 199' 0 264'4" with clasts of fawn siltstone. At least two generations of		

Continued over

ASSAY DATA

SAMPLE No.	FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	ASSAY RESULTS

FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	DESCRIPTION	SECTION Core	SECTION Sample
							fine carbonate veins present:		
							(i) irregular fine network partly replacing rock; and		
							(ii) a later set of straighter, wider spaced veinlets less than 1 mm wide which locally carry jamesonite at 300'.		
306	4	396	0	89	5	98	Brecciated and strongly carbonate veined fawn silt grade dolomite. Minor pyrite sporadically associated with carbonate veining usually barren. Dolomite banded in places.		
396	0						396'0" - 397'9" - Gray quartzose sandstone		
396	0	399	8	3	8	100	397'9" - 401'6" - Breccia with fragments of		
399	8	407	1	7	5	100	banded siltstone/shale and dolomite; carbonate veined with minor pyrite; no apparent matrix. Kink bands at 400'8" - in contrast to breccias up hole, this is probably a tectonic breccia		
							401'6" - 405'3" - Brecciated pink quartzite, carbonate veins and minor pyrite		
407	1	414	11	4	10	100	405'3" - 418'2" - Brecciated gray dolomite		
414	11	422	1	7	2	100	Some pink sandstone fragments for first 3 feet . Carbonate veined		
							418'2" - 422'1" - Conglomerate & rounded fragments of dolomite siltstone and shale in sandy matrix partly replaced by fine carbonate veins Heavily carbonate veined near 422'1". No sulphides		

Continued over

ASSAY DATA

SAMPLE No.	FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	ASSAY RESULTS

GEOLOGICAL LOG 40 121 Page:— 4.

FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	DESCRIPTION	SECTION Core	SECTION Sample
422	1	483	3	57	5	95	Green-gray silty dolomite with abundant carbonate veins up to 1 cm thick. 426' - 427'6" - veins of purple fluorite associated with carbonate. No sulphides with fluorite locally conglomeratic 428'4" - 430' 447' - 453' - Minor pyrite with carbonate 447' - 448'		
483	3	530	8	42	0	90	Conglomerate with rounded fragments up to 5 cm indiameter in sandy matrix. Core fragments dominantly dolomite, some quartzite and shale. Core leached after 524'. Zones with bedded sandy material 515' - 526' - with graded bedding in two places implying sequence younger up hole. Carbonated veined throughout, minor pyrite		
							END OF HOLE AT 530' 8"		

Continued over

ASSAY DATA

SAMPLE No.	FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	ASSAY RESULTS