40 078 PR 2269

DRILLING TARGET:— To test Fooks Lode approximately 250 feet down lode dip.

REMARKS:— Fooks Lode intersected between 367'6" and 377'6" down the hole.

SURVEY DATA			ASSAY DATA													
DEPTH feet	Bearing mag.	Inclin. degs.	SAMPLE No.	FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	ASSAY RESULTS					
150'	-	61½														
300'	-	62														
450'	27	61½														
600'	28½	62½														
750'	26	62½														
890'	26	61¾														

GEOLOGICAL LOG

Logged by:— D.I. GROVES - A.J. NOLDART

FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	DESCRIPTION	SECTION Core	SECTION Sample
0		3	6	1	0½	29	Weathered broken basalt		
3	6	11	4	5	2½	66	Vesicular basalt		
11	4	36	4	15	4	61	Basalt		
36	4	51	4	11	0	73	1'5" baked grit and yellow-brown sandstone followed by ferruginous grits and sandstone		
51	4	52	5	1	0	97	Weathered broken basalt fragments.		
~~52~~	~~5~~	~~70~~	~~8~~	~~17~~	~~10~~	~~97~~	~~Basalt~~		
70	8	80	8	2	0	20	Baked coarse sandstone		
~~80~~	~~8~~	~~88~~	~~4~~	~~3~~	~~1~~	~~40~~	~~Yellow-brown sandstone~~		
88	4	88	10	0	6	100	Coarse ferruginous grit. (End tertiary rocks)		
88	10	91	11	0	9	24	Fragments of grey siltstone and mudstone.		
91	11	93	4	1	1	77	Large fragments of grey siltstone and mudstone		
~~93~~	~~4~~	~~97~~	~~5~~	~~2~~	~~0~~	~~50~~	~~Predominantly f[illegible] sandstone.~~		
97	5	100	8	2	7	80	Grey sandstone and siltstone.		
10[illegible]	[illegible]	102	8	2	0	100	Breccia : black mudstone blocks in siltstone matrix		
102	8	106	10	1	3	30	Laminated dark grey mudstone and pale grey siltstone.		
106	10	123	4	15	11	95	Predominantly breccia (dark grey mudstone blocks in siltstone) with bands of sandstone and siltstone. Few carbonate veins up to ½" wide.		
123	4	129	1	4	2	72	Predominantly pale grey sandstone or coarse siltstone.		

Continued over:—

DEPARTMENT OF MINES — TASMANIA

DIAMOND DRILL CORE RECORD

HOLE No.:— FL 1 | MAP SHEET No. 36 | DISTRICT Waratah | LOCATION OF SITE:— Fooks Lode

A distance of 505 ft. (horizontal), bearing 249° m from Fooks upper adit portal

Core held M5

R.L. OF SITE:— 1891 feet	SITE SURVEY ON MAP No.:— 2455	CORE SIZE: 0-62'5" NX 62'5"-END BXM/BMLC
BEARING OF HOLE:— 22° mag	AIR PHOTO No.:—	COMMENCED:— 9/12/65
INCLINATION OF HOLE:— 60°	DRILL:— E 1000	COMPLETED:— 10/6/66
AMG Grid CO-ORDS. OF SITE:— 377260E 5411600N	DRILLER:— J. Perkins	FINAL DEPTH:— 899 ft.

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E6673 M6375

HOLE No. FL 1 | GEOLOGICAL LOG | 40 079 | Page:— 2

FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	DESCRIPTION	SECTION Core	SECTION Sample
129	1	132	6	3	0	88	Dark grey mudstone with minor siltstone and breccia		
132	6	149	7	11	3	66	Pale grey sandstone with minor breccia.		
149	7	152	4	2	5	88	Pale grey sandstone-strong pyrite development in patches		
152	4	154	6	1	9	81	Dark grey sheared mudstone-minor pyrite.		
154	6	163	8	5	9	63	Pale grey coarse siltstone-minor carbonate and pyrite.		
163	8	168	4	2	7	55	Soft sheared dark grey mudstone-minor pyrite.		
168	4	170	3	1	11	100	Dark grey mudstone and siltstone. Strongly developed purple flourite and carbonate veining with minor pyrite.		
170	3	172	4	2	1	100	Siltstone and dark grey mudstone with numerous small fluorite, carbonate and pyrite veins.		
172	4	175	8	3	4	100	Siltstone with minor smears of fluorite and pyrite.		
175	8	180	6	4	87	97	Predominantly dark grey mudstone with bands of siltstone and sandstone.		
180	6	192	8	12	2	100	Predominantly pale grey sandstone with minor mudstone and siltstone.		
192	8	198	1	4	1	75	Sandstone with minor fluorite quartz and pyrite.		
198	1	202	7	3	6	78	Sheared dark grey mudstone and siltstone- minor pyrite		
202	7	209	0	6	5	100	Breccia (sandstone and siltstone fragments in a mudstone matrix.) Strong carbonate veins at 208'.		
209	0	220	0	10	10	98	Interlayered breccia and sandstone - surfaces of sandstone layers non-uniform in orientation.		
220	0	221	0	1	0	100	Sheared mudstone and breccia with a high proportion carbonate and pyrite.		
221	0	224	0	3	0	100	Dark grey sheared mudstone and breccia.		
224	0	234	10	10	5	96	Predominantly pale grey sandstone with minor mudstone ~~at 229'-7"~~		
234	10	245	1	10	3	100	Interlayed sandstone and breccia (sandstone blocks in mudstone matrix) with abundant pyrite throughout.		

Continued over

ASSAY DATA

SAMPLE No.	FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	ASSAY RESULTS % Sn
FL9	168	4	172	4	4	0	100	NIL
FL10	172	4	175	8	3	4	100	NIL
FL11	192	8	198	1	4	1	75	NIL

HOLE NO. FL1 | GEOLOGICAL LOG | 40 080 | Page:— 3

FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	DESCRIPTION	SECTION Core	SECTION Sample
245	1	247	7	2	2	87	Dark grey mudstone.		
247	7	251	6	3	9	96	Sandstone and breccia.		
251	6	253	5	0	4	17	Sheared dark grey mudstone.		
253	5	258	4	4	9	97	Pale grey siltstone with minor sandstone.		
258	4	268	5	9	5	94	Pale grey sandstone with minor breccia. Small fracture plane containing minor galena? and sphalerite? at 268' 4".		
268	5	281	0	11	1	89	Breccia (sandstone blocks in a mudstone matrix)		
281	0	286	0	5	0	100	Predominantly pale grey sandstone and breccia.		
286	0	291	0	5	0	100	Siltstone and mudstone with minor breccia.		
291	0	296	0	4	2	83	Grey sandstone with minor pyrite.		
296	0	301	0	5	0	100	Siltstone and mudstone - numerous carbonate veins between 299' and 300'.		
301	0	326	0	21	0	84	Predominantly dark grey mudstone with minor siltstone and breccia - pyrite in minor amounts.		
326	0	340	6	13	10	95	Medium grey sandstone - some carbonate veins up to ¼" thick between 334' and 340'		
340	6	350	10	9	8	94	Dark grey mudstone (laminated) with minor siltstone and breccia.		
350	10	359	8	8	8	98	Medium grey sandstone with minor carbonate veins.		
359	8	363	3	3	7	100	Predominantly breccia and sandstone with minor mudstone.		
363	3	367	6	3	10	90	Dark grey mudstone.		
367	6	370	11	3	3	95	Low grade mineralization in dark grey mudstone. Sulphides include pyrite, jamesonite and sphalerite in a gangue of quartz and carbonate.		FOOKS
370	11	372	4	1	5	100	Intense mineralization - massive jamesonite,? sphalerite and pyrite with fluorite and quartz in dark grey mudstone.		LODE
372	4	376	10	4	3	95	Fluorite and pyrite mineralization in dark grey mudstone.		

Continued over

ASSAY DATA

SAMPLE No.	FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	ASSAY RESULTS % Sn									
FL 1	367	6	370	6	2	10	95	0.66									
FL 2	370	6	372	6	2	0	100	1.35									
FL 3	372	6	375	6	2	8	89	0.18									
FL 4	375	6	377	6	2	0	100	1.01									
FL 5	377	6	379	6	2	0	100	NIL									
FL 6	379	6	382	6	2	8	89	Tr.									
FL 7	382	6	385	0	2	6	100	NIL									
FL 8	385	0	388	0	2	10	95	NIL									
									Pb%	Zn%	Cu%						
Composite	367'6"		377'6"		9' 6"		95%	0.69	2.6	3.6	Trace						

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HOLE NO FL 1 | GEOLOGICAL LOG | 40 081 | Page:— 4

FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	DESCRIPTION	SECTION Core	SECTION Sample
376	10	379	0	2	2	100	Low grade pyrite mineralization in dark grey mudstone.		
379	0	384	7	5	2	93	Black mudstone with minor pyrite, fluorite and carbonate mineralization.		
384	7	388	3	3	6	95	Predominantly minor carbonate and pyrite mineralization in black mudstone.		
388	3	393	11	5	8	100	Black mudstone.		
393	11	398	9	3	6	72	Black mudstone with minor siltstone and breccia.		
398	9	408	1	6	5	69	Black mudstone with minor carbonate and pyrite Between 404' and 408' ramifying veins of carbonate up to ¼" thick.		
408	1	424	1	13	5	84	Dark grey sandstone with minor carbonate, quartz and pyrite veins. Between 416' and 422' very few veins present.		
424	1	434	3	3	2	31	Brecciated dark gray mudstone with pyrite seams and blebs badly broken.		
434	3	439	0	4	1	86	Pale gray silica/carbonate rock heavily brecciated with pyrite blebs and veinlets and carbonate (zeolitic?) blebs etc.		
439	0	457	7	11	9	63	Partly brecciated dark gray mudstone with fine pyritic dissemmination and occasional pyrite blebs.		
457	7	460	1	1	0	40	Dissemminated pyrite and pyrite boxworks in f.g. sandy siltstone.		
460	1	620	5	146	10	92	Comtorted (pre consolidation structures?) dark gray mudstone with dissemminated pyrite, pyrite blebs (Nodules?)- numerous pebbles and/or mud pellets throughout - some minor brecciation in places - fault zones at 516'6" to 518', 558' to 558'7", 560'3", 574' 577', 599'9", -broken towards end.		
620	5	625	7	2	2	42	Mineralized contorted and brecciated dark gray mudstone with pyrite, chalcopyrite, galena, sphalerite.		

Continued over

ASSAY DATA

SAMPLE No.	FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	ASSAY RESULTS %Sn	% Cu	%Pb	%Zn	%CaO	%MnO
FL12	434	3	439	0	4	1	86	NIL				0.06	2.49
FL13	457	7	460	1	1	0	40	NIL					
FL14	620	5	625	7	2	2	42	NIL	0.02	0.12	0.08		

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HOLE NO. FL1 GEOLOGICAL LOG 20 082 Page:— 5

FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	DESCRIPTION	SECTION Core	SECTION Sample
625	7	630	3	3	5	73	Contorted dark gray mudstone as above.		
630	3	636	6	3	11	63	Mineralized dark gray mudstone with pyrite, chalcopyrite, galena, sphalerite.		
636	6	636	10	0	4	100	Quartz vein heavily mineralized with coarse pyrite crystals.		
636	10	641	0	3	3	78	Contorted and brecciated dark gray/mudstone with sandstone pellets up to 2" in size mineralized with pyrite chalcopyrite, galena, sphalerite associated with silica veins and impregnations.		
641	0	641	6	0	6	100	gray sandstone.		
641	6	660	0	15	5	83	Contorted and brecciated dark gray mudstone with dissemminated pyrite and pyrite blebs- numerous pellets and pyrite on joint faces - probable fault at exit.		
660	0	680	7	13	9	67	Pale gray fragmental? rock with numerous pellet/pebble inclusions - Pyrite in flow? patterns around inclusions - mineralised lightly with chalcopyrite, galena, sphalerite- probable fault at ~~exit~~ end - leached in centre section.		
680	7	800	8	102	4	83	Dark gray mudstones partly contorted with occasional breccia sections - numerous small pellets and flow? structures-NO CORE 700ft.5ins to 709ft 6 ins.		
800	8	805	4	4	8	100	Interbedded mudstone and sandstone		
805	4	830	8	5	4	100	Dark gray mudstone with numerous sandstone pellets and bands		
830	8	833	2	2	6	100	Sandstone		
833	2	845	11	12	9	100	Dark gray mudstone with occasional small sandstone lenses and bands		
845	11	849	5	3	6	100	Mainly sandstone with mudstone bands etc.		
849		898	7	43	7	89	Dark gray mudstones as above.		
							END OF HOLE.		

Continued over

ASSAY DATA

SAMPLE No.	FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	ASSAY RESULTS % Sn	%Cu	%Pb	%Zn	%CaO	%MgO
FL15	625	7	630	3	3	5	73	NIL	0.02	0.04	0.02		
FL16	630	3	636	0	3	8	64	NIL	0.04	0.36	0.45		
FL17	636	0	641	0	3	10	77	NIL	0.08	0.30	0.49		
FL18	660	0	670	7	5	10	54	NIL	0.03	0.17	0.25	13.4	9.75
FL19	670	7	680	7	7	11	85	NIL	0.04	0.15	0.35	13.4	10.0

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