

EMMSTON MINING NL ACN 009 010 580

DIAMOND DRILL LOG SDH2

OBJECTIVE : Testing coincidental gravity, EM and ground magnetic anomalies.
 RESULT : Remobilised galena in a quartz-carbonate vein at 152.7m.
 Altered chloritic-sericitic zone with detrital and disseminated pyrite (2-5%) at 398.5-400m.

Hole depth 400m
 Hole size: HQ 1.5 - 84m,
 NO 84 - 400m.
 Started: 27.4.1998
 Finished: 27.4.1998

Surveys, local grid (AMG)

Depth	Direction	Dip	Depth	Direction	Dip
0.0	88.0	-70.0	210.0	89.5	-82.7
30.0	76.0	-70.5	240.0	81.5	-61.0
80.0	73.0	-69.8	271.0	81.5	-59.7
90.0	72.0	-68.9	301.0	86.0	-59.0
120.0	71.5	-68.0	330.0	55.0	-58.1
150.0	89.0	-85.3	360.0	57.5	-57.2
180.0	85.0	-83.8	400.0	63.0	-56.5

COLLAR DIP : -70
 DIRECTION : 068
 NORTHING : 11,863N
 (Local Grid)
 EASTING : 9,920E
 HOLE No. : SDH2
 LOCATION : Silver Hill, SW Tasmania.
 LOGGED BY : G. Iltf, 30.4.1998
 COLLAR RL : About 220m.

AMG 379,399 E 5,250,227 N based on conversion on p11 of report 980

FROM	TO	DESCRIPTION	ALT	CD	ROCK TYPE	MINERALISATION	SAMPLE NO	FROM	TO	Length	Pb ppm	Zn ppm	Cu ppm	Ag gt	Au gt	Fe %	g	To	ROD%	
0.0	1.5	No core drilled by tricone.					SDH2-1	395.00	396.00	1.0	85	273	<10	<5	<0.01	2.66				
1.5	30.0	Mottled green and khaki massive coarse grained quartz-phyric volcanoclastic, with wispy chlorite fragments in a generally sericitic matrix. Foliation about 40 degrees. Brown weathered joints. 14.8-15.5m Vein quartz, broken with brown weathering. 23-24m Puggy zone, probably a fault at 40 degrees. 23-28m A series of big broken quartz veins, some with massive chlorite cavity fill, others with brown weathering.	mod	h se	qz-phyric vol/clastic		SDH2-2	396.00	398.00	1.0	85	347	42	<5	<0.01	2.76				
							SDH2-3	398.80	397.50	1.0	25	168	27	<5	<0.01	2.68				
							SDH2-4	397.50	398.50	1.0	125	47	<10	<5	<0.01	1.87				
							SDH2-5	398.50	399.00	1.0	440	1458	92	<5	<0.01	3.09				
							SDH2-6	399.00	400.00	1.0	150	359	<10	<5	<0.01	2.86				
30.0	122.0	Mottled green-grey massive coarse chloritic sericitic volcanoclastic irregular cherty clasts and euhedral quartz crystals. Foliated 40 deg. 30m 2 faults about 10cm apart, 40 degrees, each <1.5cm pug. 42.3m Fault, 80 degrees, <1.5cm pug. 87.5-93.3m Sericitic broken zone with quartz-carbonate veins <0.2m. 93.8-94.1m Fault, pug at 70 degrees. 120-120.9m Broken zone.	mod	h se	vol/clastic															
122.0	207.0	Mottled green-grey massive coarse grained quartz-phyric, chert fragmental chloritic volcanoclastic, characterised by irregular quartz-phyric chlorite fragments <5x2cm oriented about 40 degrees. 130-132m, 140-153m and 192-202m Occasional quartz-carbonate veins with massive chlorite cavity fill. 152-167m Khaki sericitised zone with occasional quartz-carbonate veins. Coarse remobilised galena in qz-cb vein 152.7-152.8m. 160-181.2m Broken ground.	mod	ch	qz-phyric vol/clastic	Coarse remobilised galena at 152.7m.														
207.0	398.5	Grey-green massive fine to medium grained quartz-phyric chloritic volcanoclastic/quartz crystal luff, foliated 45-50-70 degrees, with occasional quartz-carbonate veins. Unit's quartz crystal habit is reminiscent of the porphyritic lava of SDH1: this unit might also be a porphyritic lava, equivalent to the lower lava in SDH1. 228-230.3m Khaki massive fine grained, quartz-flecked acid intrusive at 45 degrees. Upper contact fingering, lower contact clear cut. 226.5-226.7m About 1% pyrite. 226.7m Chlorite band <5mm with semi-massive pyrite. 243.8-243.8m 3 faults at 70 degrees, each < 2cm pug. 281m Fault, 45 degrees, <1cm pug and fractured quartz. 282.4m Fault, 40 degrees, 2cm pug and breccia. 282.8m Fault, 40 degrees, <1cm pug. 359.8-369.3m Buff-khaki massive medium grained sericitic quartz-phyric volcanoclastic with sericite bands/veps equivalent to the chloritic ones in the clastic unit at 122-207m. 386-371m Much qz-cb veining in brecciated zone. Some chlorite fracture fill. 371-400m Zone with irregular siderite veins <1cm and rare qz-cb veins <2cm. 395-396.8m <1% disseminated pyrite.	mod	ch	qz-phyric vol/clastic	226.5-226.7m <1% disseminated pyrite. 226.7m Semi-massive pyrite in narrow chlorite band.														
398.5	400.0 EOH	Altered chloritic-sericitic zone with quartz crystals less distinct. Stronger foliation about 50 degrees. Irregular qz-cb veins, distorted and fragmented. 2-3% detrital and disseminated pyrite. 398.5-399m Smaller, <1cm, qz-cb veins with minor remobilised sphalerite, galena and chalcopyrite.	strg	h se	alt vol/clastic	2.3% detrital and disseminated pyrite. 398.5-399m Minor remobilised sp, ga & cp.														

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FIMISTON MINING NL ACN 003 010 580

DIAMOND DRILL LOG: SDH 2

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Altered chloritic-sericitic zone with detrital and disseminated pyrite (2-5%) at 398.5-400m.

Hole depth 400m
Hole size: HQ 1.5 - 84m.
NQ 84 - 400m.
Started: 22.4.1998
Finished: 27.4.1998

Surveys, local grid (AMG).

Depth	Direction	Dip
0.0	68.0	-70.0
30.0	76.0	-70.5
60.0	73.0	-68.8
90.0	72.0	-66.9
120.0	71.5	-66.0
150.0	69.0	-65.3
180.0	65.0	-63.8

FROM	TO	DESCRIPTION	ALT	CD	ROCK TYPE	MINERALISATION
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1.5	30.0	Mottled green and khaki massive coarse grained quartz-phyric volcanoclastic, with wispy chlorite fragments in a generally sericitic matrix. Foliation about 40 degrees. Brown weathered joints. 14.8-15.5m Vein quartz, broken with brown weathering. 23-24m Puggy zone, probably a fault at 40 degrees. 23-26m A series of big broken quartz veins, some with massive chlorite cavity fill, others with brown weathering.	mod	ca se	qz phyric vol'clastic	
30.0	122.0	Mottled green-grey massive coarse chloritic-sericitic volcanoclastic irregular cherty clasts and euhedral quartz crystals. Foliated 40 deg. 30m 2 faults about 10cm apart, 40 degrees, each <1.5cm pug. 42.3m Fault, 80 degrees, <1.5cm pug. 87.5-93.3m Sericitic broken zone with quartz-carbonate veins <0.2m. 93.8-94.1m Fault, pug at 70 degrees. 120-120.9m Broken zone.	mod	ch se	vol'clastic	
122.0	207.0	Mottled green-grey massive coarse grained quartz-phyric, chert fragmental chloritic volcanoclastic, characterised by irregular quartz-phyric chlorite fragments <5x2cm oriented about 40 degrees. 130-132m, 140-153m and 192-202m Occasional quartz-carbonate veins with massive chlorite cavity fill. 152-167m Khaki sericitised zone with occasional quartz-carbonate veins. Coarse remobilised galena in qz-cb vein 152.7-152.8m. 160-161.2m Broken ground.	mod	ch	qz phyric vol'clastic	Coarse remobilised galena at 152.7m.

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207.0	398.5	<p>Grey-green massive fine to medium grained quartz-phyric chloritic volcanoclastic/quartz-crystal tuff, foliated 45-50-70 degrees, with occasional quartz-carbonate veins. Unit's quartz crystal habit is reminiscent of the porphyritic lava of SDH1: this unit might also be a porphyritic lava, equivalent to the lower lava in SDH1.</p> <p>229-230.3m Khaki massive fine grained, quartz-flecked acid intrusive at 45 degrees. Upper contact fingering, lower contact clear cut.</p> <p>226.5-226.7m About 1% pyrite.</p> <p>226.7m Chlorite band <5mm with semi-massive pyrite.</p> <p>243.6-243.8m 3 faults at 70 degrees, each < 2cm pug.</p> <p>281m Fault, 45 degrees, <1cm pug and fractured quartz.</p> <p>282.4m Fault, 40 degrees, 2cm pug and breccia.</p> <p>282.8m Fault, 40 degrees, <1cm pug.</p> <p>359.8-369.3m Buff-khaki massive medium grained sericitic quartz-phyric volcanoclastic with sericite bands/wisps equivalent to the chloritic ones in the clastic unit at 122-207m.</p> <p>366-371m Much qz-cb veining in brecciated zone. Some chlorite fracture fill.</p> <p>371-400m Zone with irregular siderite veins <1cm and rare qz-cb veins <2cm.</p> <p>395-396.8m <1% disseminated pyrite.</p>	mod	ch	qz-phyric vol'clastic	226.5-226.7m <1% disseminated pyrite. 226.7m Semi-massive pyrite in narrow chlorite band.
			strg	se	ser'd vol'clastic	
398.5	400.0 EOH	<p>Altered chloritic-sericitic zone with quartz crystals less distinct. Stronger foliation about 50 degrees. Irregular qz-cb veins, distorted and fragmented. 2-3% detrital and disseminated pyrite.</p> <p>398.5-399m Smaller, <1cm, qz-cb veins with minor remobilised sphalerite, galena and chalcopyrite.</p>	strg	ch se	alt'd vol'clastic	2-3% detrital and disseminated pyrite. 398.5-399m Minor remobilised sp, ga & cp.