

OBJECTIVE : Testing down dip of intersection in earlier hole WH8.

RESULT : Remobilised sphalerite and galena in a quartz-carbonate vein at 179.8-179.9m in inter-flow fragmentation/brecciation zone at 179-191.2m containing local semi-massive pyrite.

Hole depth: 352m
 Hole size: HQ 2 - 86.7m
 NQ 86.7 - 352m.
 Started: 8.4.1998
 Finished: 15.4.1998

Surveys, local grid (AMG).

Depth	Direction	Dip
0.0	53.0	-70.0
60.0	59.0	-68.2
90.0	58.5	-66.6
120.0	56.0	-65.3
151.0	56.0	-65.0
181.0	56.5	-64.0
210.0	55.0	-62.5

FROM	TO	DESCRIPTION	ALT	CD	ROCK TYPE	MINERALISATION
0.0	2.0	No core: drilled by tricone.				
2.0	179.0	Light grey massive quartz-phyric sericitic rhyolite porphyry. Foliated at 30 degrees. 2-10.7m Yellow carbonate (siderite) flecks and irregular carbonate veins <7mm about parallel to cleavage. 10.7-11.7m Coarser zone with minor chlorite flecks. 11.5-25.7m Carbonate (siderite) veins with rare later quartz veins <1cm, transgressing foliation. 25.7-46m Irregular quartz-carbonate veins <1.5cm: stress fractures some containing brecciated lava. 46-52.8 m Grey-green massive fine grained basaltic intrusive. Upper contact a light green chilled margin at 45 deg. Two tongues <2cm intruded into lava within 10cm of contact, one lined with and including qz-cb veins <3mm. Intrusive has frequent crenulated and folded irregular qz-cb veins, one regular <2cm. Xenolith of brecciated lava with qz-cb fill at 48.1-48.3m. 49-54 m zone of bent, fractured and folded very irregular qz-cb veins. Lower contact 30 deg. 65.3-68.4m Strong qz-cb veining: 40% of the zone, with some coarse grained remobilised galena and minor sphalerite in the qz-cb veins. 70-70.8m Breccia zone with qz-cb fill. 96.7-106m Frequent quartz veins with semi-brecciation. 106-107.3m Broken zone: fault? 136.3-138.4m Zone of frequent qz-cb veins and semi-breccia. 138.4-141.5m Breccia with cherty silica-carbonate and qz-cb veins fill. Tails off with qz-cb veins to 143m. 148.5-165m Much qz-cb veining and brecciation. Massive silica-carbonate opaque cherty zone at 152.8-153.6m.	mod	se	qz porph	
			strg	ch	basalt	Remobilised galena and minor sphalerite.

179.0	191.2	Mottled grey inter-flow zone of coarse fragmentation/brecciation or mass-flow unit, with sericite and chlorite. Foliation 40-45 degrees. Local semi-massive pyrite: complete zone 3-5% py. 179.5m Fault 30 degrees, <2cm pug. 179.8-179.9m Coarse remobilised galena and sphalerite in qz-cb.	mod	se ch	frag'l/breccia	Minor local semi-massive pyrite.
191.2	207.0	Khaki quartz porphyry rhyolite lava. Foliation 35-40 degrees. 196.3m Fault, 35 degrees, 1cm pug. 197.8m Fault, 30 degrees, 1cm pug.	mod	se	qz porph	179.8-179.9m Remob ga & sp in qz-cb vn.
207.0	306.3	Mottled grey, medium to coarse grained chloritic sericitic andesitic volcanoclastic. Fragments aligned about 50 degrees. Partly mass-flow breccia. Quartz-phyric: could be described as a crystal tuff. Rare pyrite clasts. 216.1m Fault, 30 degrees, <1cm pug. 226.2m Remobilised and disseminated pyrite in chert in 8cm zone. 248.5-249m Flow breccia, mixed dark and pale grey. 256.7-256.8m Broken ground. 256.9m Fault, 40 degrees, 1cm pug. 259-259.5m Broken and faulted, 20 & 45 degrees. 266.1-266.2m Breccia with qz-cb fill. 262.7-263.9m Zone of round and lenticular quartz clasts <10cm, largest at 262.7-262.8m, with a pink component. 266.8-267.3m Broken zone: two faults, at 30 and 60 degrees. 269.7m Fault, 60 degrees, <2cm pug. 272.3m Fault, 65 degrees, <1cm pug. 272.6-272.8m Two faults, <5cm pug, 40 and 50 degrees. 287-287.1m Fault, 50 degrees, mainly pug, with fractured rock.	mod	ch se	volc'clastic	
306.3	310.5	Zone of massive cherty siliceous bands/lumps of white, pink and green <30cm in a rounded breccia of smaller siliceous fragments in a sericitic-chloritic siliceous clast volcanoclastic matrix. Local disseminated pyrite and silica-pyrite clasts. Practically a conglomerate. 306.6-306.7m Semi-massive pyrite matrix. 308.9m Fault, 70 degrees, <2cm pug. 309.7-309.8m massive dark red jasper, fractured, filled with qz-cb, 60 degrees. Band of massive chlorite at lower end, with minor remobilised pyrite. 310.5m Rounded elongate pyrite-silica clast <1cm by > core width.	strg	si	chert	8cm remobilised and disseminated pyrite.
310.5	339.0	Buff, sericitic quartz porphyry rhyolite. 310.5-314.5m Mainly grey bands with <1% disseminated pyrite. 338.2-338.8m Broken zone: fault at 338.2m, 50 degrees, <1cm pug.	strg	si	chert breccia	Minor semi-massive pyrite, disseminated py, sil-py clasts.
339.0	352.0 EOH	Carbonate fragmental with quartz and feldspar crystals: volcanoclastic or auto-brecciated lava.	mod	se	qz porph	<1% disseminated pyrite.
			mod	ch	carb frag'l	

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