

## GEOLOGY SUMMARY LOG - MRDD 01

From	To	Interval	Geology
0.0m	9.7m	9.7m	Oxidised hornfelsed sediments.
9.7m	265.4m	255.7m	Dark grey/ grey to black siliceous hornfelsed siltstone and sandstone, becoming grey to brown (biotite) with depth, locally bedded, trace to 1% disseminated Po(-Py) throughout. Scattered, irregularly oriented and variable density, fracture-controlled Po(-Cpy)-tremolite/actinolite veinlets, average 1-2mm width but up to 2cm wide. Trace to 2-3% total sulphide content as disseminations and vein/veinlet style.
265.4	268.1m	2.7m	Breccia-sulphide vein. Multiple event vein zone with moderately to highly altered/bleached (white) hornfelsed siltstone/sandstone (and minor flow banded rhyolite?) clasts set in Po matrix with several late post-brecciation fracture-controlled Po(-Cpy)-tremolite/actinolite veinlet sets overprinting each other. Contains ~5-10% sulphide, with individual sulphide-rich veins to 15cm width. Very complex alteration/brecciation/veining history.
268.1m	330.6m	62.5m	Grey to brown (silica-biotite) hornfelsed siltstone and sandstone, locally bedded, trace to 1% disseminated Po(-Py) throughout. Scattered, irregularly oriented and variable density fracture-controlled Po(-Cpy)-tremolite/actinolite veinlets average 1-2mm width but up to 2cm wide. Also minor, localised, irregular bleached/altered white to blue-green intervals/'veins', variable width from 1-20cm. Trace to 2-3% total sulphide content as disseminations and vein/veinlet style.
330.4m	332.4m	2.0m	Breccia-sulphide vein. Multiple event vein zone with moderately to highly altered/bleached (white) hornfelsed siltstone/sandstone (and minor flow banded rhyolite?) clasts set in Po matrix with several late post-brecciation fracture-controlled Po(-Cpy)-tremolite/actinolite veinlet sets overprinting each other. Contains ~5-10% sulphide, with individual sulphide veins to 10cm wide. Very complex alteration/brecciation/veining history.
332.4m	355.2m	22.8m	Grey to brown (silica-biotite) hornfelsed siltstone and sandstone, locally bedded, trace to 1% disseminated Po(-Py) throughout. Scattered, irregularly oriented and variable density fracture-controlled Po(-Cpy)-tremolite/actinolite veinlets average 1-2mm width but up to 2cm wide. Also minor, localised, irregular bleached/altered white to blue-green intervals/'veins', variable width from 1-20cm. Trace to 2-3% total sulphide content as disseminations and vein/veinlet style.
355.2m	360.9m	5.7m	Breccia-sulphide vein. Multiple event vein zone with moderately to highly altered/bleached (white) hornfelsed siltstone/sandstone clasts set in Po matrix with several late post-brecciation fracture-controlled Po(-Cpy)-tremolite/actinolite veinlet sets overprinting each other. Contains ~5-10% sulphide, with individual sulphide veins to 10cm wide. Very complex alteration/brecciation/veining history.
360.9m	364.6m	3.7m	Grey to brown (silica-biotite) hornfelsed siltstone and sandstone, locally bedded, trace to 1% disseminated Po(-Py) throughout. Scattered, irregularly oriented and variable density fracture-controlled Po-tremolite/actinolite veinlets average 1-2mm width but up to 2cm wide. Trace to 2-3% total sulphide content as disseminations and vein/veinlet style.
364.6m	394.9m	30.3 m	Breccia-sulphide vein. Moderate to strongly developed brecciation and multiple event vein zones with highly altered/bleached (white) hornfelsed siltstone/sandstone clasts set in Po matrix with several late post-brecciation fracture-controlled Po(-Cpy)-tremolite/actinolite veinlet sets overprinting each other. Contains ~5-10% sulphide, with individual sulphide veins to 10cm wide. Very complex alteration/brecciation/veining history. More altered and intensely fractured than 355.2m-360.9m.
394.9m	408.0m (EOH)	13.1m	Mixed weaker breccia-sulphide veins and hornfelsed sediments. Local multiple event, high density vein and veinlet zones with breccia vein sections of altered/bleached (white) hornfelsed clasts set in Po-tremolite/actinolite matrix with several late post-brecciation fracture-controlled Po(-Cpy)-tremolite/actinolite veinlet sets overprinting each other. These veins are separated by grey to brown (biotite) hornfelsed siltstone and sandstone, with trace to 1% disseminated Po(-Py). Breccia vein sections average 2-5% sulphides.