20 316

DRILL HOLE: H.101 (299)
DISTRICT: North Heemskirk-Big H
LOCATION: 1600'E, 775'N
INCLINATION: 45°
DIRECTION: ~~South~~ East

AMG Co-ords: 346100E 5368000N.

3660 Reg No.

Core held M 19.

From	To	DESCRIPTION
0.0	102.0	ARGILLITE Grey foliated argillite, evenly grained with alternations of grey pelitic and very thin leucocratic bands, and containing veins up to 1/4" of a light-colored, fairly soft mineral. Sulphides are very fine-grained and occur in thin veins, on joint planes and also in rarer stringers of dark ferromagnesians. Light green soapy serpentinous (?) mineral on some joint faces. Foliation commonly crenulated with delta angles generally 0° - 30°. 3" of soapy rock at 42.0 containing a light bronze resinous coarse-grained silicate and locally concentrated fine-grained sulphides.
102.0	264.0	ALTERED ULTRABASIC ROCK Patchy green and white altered rock, slightly micaceous in parts, with biotite and chlorite and minor disseminated sulphides. White minerals are probably calcic silicates. No carbonate throughout Order of abundance of sulphides is about 5%. Rock is generally fine-grained and hard Zone 167.0 - 170.0 has a coarse-grained igneous texture with feldspar laths in a mafic groundmass. Calc-silicate hornfels ± diopside, amphibole ± sphalerite
264.0	276.0	QUARTZITE Grey to black very fine-grained cherty, banded quartzite (Delta angle = 0°) with minor disseminated sulphides. Feldspar hornfels
276.0	287.0	ALTERED ULTRABASIC ROCK Recrystallised, white and green altered rock, medium-grained hard with disseminations and veins of minor sulphides.
287.0	326.0	CLAYEY SAND Decomposed clayey sand, micaceous 287.0 - 291.0 and containing some carbonate around 326.0 Poor recovery - no core 291.0 - 317.0
326.0	461.0	CARBONATE ROCK Medium-grained, fairly massive, generally white to grey with green mafic minerals and minor brown vitreous ferromagnesian (olivine?) calcite sometimes dark color but still has vigorous effervescence with HCl. Rock contains less carbonate 430.0 - 461.0 and has green ferromagnesians and serpentine slickensides. Grades into lower formation. Sulphides not common. Calcite - garnet - tremolite diopside skarn.
461.0	470.0	ALTERED ULTRABASIC ROCK Dark-green massive altered ultrabasic with variable grain size.

20 317

461.0	470.0	cont. Little light-colored minerals. Veins and disseminations of moderate sulphides (>10%) Minor calcite phases. Slight foliation marked by alignment of sulphide blebs (Delta angle 40° - 60°) 9 ft. containing 0.20% Sn
470.0	474.0	MAGNETITE Black and green rock containing fine-grained magnetite (~ 70%), green amphibole (?) and chlorite. Sulphides throughout. 4 ft. containing 0.45% Sn.
474.0	495.0	ALTERED ULTRABASIC ROCK Medium-grained with fibrous radiating amphiboles (?) Coarse-grained chloritised phase 487.0 - 490.0 contains about 20% sulphides with biotite crystals at 487.0 Thin sulphide veins (Delta Angle = 60o) 3 ft containing 0.10% Sn.
495.0	499.0	SULPHIDE ZONE Abundant sulphides, partly pyrrhotite with pyrite and minor chalcopyrite in a fine-grained green host rock.
499.0	526'9"	ALTERED ULTRABASIC ROCK Fine to medium-grained, green-grey with some carbonate. Sulphides rare.

END OF HOLE