DRILL LOG HOLE N4

Depth	Location	Dip	Azimuth
165'	3+00N 2+90E	-50°	244°

FROM	TO	DESCRIPTION	STRUCTURE
Collar	18	OVERBURDEN	
18	23	GRANITE BOULDERS	
23	68	BLUE GREY GARNET BIOTITE HORNFELS Partly limy; garnet 20-30%, biotite 30%, quartz feldspar matrix 50%. (35-36') massive, white siliceous zone Mn dendrites along fracture (55-68') banded garnet mica hornfels, 1-5mm bands of green mica, garnet to 25%. (61-62) Black gossan, vein, minor qtz. breccia, 8 frac/ft over 1' (63.5) calcite vein 3/4" wide.	25' banding 80°; 32' banding 80°; 23.5' OF 15°; 27' OF 80°; 26' OF 30°; 29.5' OF 30° Mn stain; 32.5' CF 35° calcite conjugate fracture 20° garnet; 34.6' OF slickensides calcite; 36.5'OF 15°; 37' OF 40° slickensides down dip; 35.5' OF 30°; 40.5' OF 40°; 38' moderate foliation 80°; 43' OF 25°; 44.5' OF 40°; 45.5' CF 15° calcite; 47.5' foliation 80°; 48' OF 30° slickensides perpendicular to dip; 46' OF 15°; 51' OF 45°; 52' OF 0°; foliation 80°; 53.5' OF 45°, 80°; 56' fol. 80°; 55.5' OF 60°; 56' OF 35°; 56.5' OF parallel foliation 80°; 57' OF 45° 45° conj. set; 58' CF 45° calcite xdip; 59' OF 0° and 45°; 59.5' OF 30° xdip; vein 40° xdip 1' qtz. vein minor breccia; 63' OF down dip; 65' OF 40°; slickenside perpendicular to dip; 65.5' OF 55° xdip slickensides parallel to core; foliation about 80°; 68' OF 25° slickensides perpendicular to core axis.
68	73	CINNAMON BROWN GARNET DIOPSIDE SKARN Anhedral, poor banding to massive; garnet 60-70% diopside 20%, white calcareous silicates 10%; garnet porphyroblastic up to 10 mm. diam.; diopsides and white calc-silicates-interstitial; all core slightly effervescent & highly effer.along CF.	68.5' CF thin black calcite 30°; 69' OF 20° calcite conj. fract. perpendicular to 40°; 69.5' OF 0° 2mm. dark green effervescent; 60' white calcite CF 50°; 62.5' OF 75°.

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FROM	TO	DESCRIPTION	STRUCTURE
73	78.5	LIGHT GREY TO LIGHT CINNAMON BROWN SKARN Effervescent; garnet 40-50%, diopside 15%, epidote 5%, calcite 10%, white calc-silicates (actinolite) 25%, garnet porphyroblasts 1-10mm diametor also coarse-banding 10-20mm garnet and white calc-silicate; trace pyrite.	73.5' calcite vein 1" wide; 74.5' OF 30°; 76' OF 50°
78.5	91	DARK CINNAMON BROWN GARNET DIOPSIDE SKARN Banding poorly developed to massive; anhedral; garnet 70-80%, diopside 20-30%; calcite in fractures, core is effervescent throughout; (80') anhedral pyrite crystals 1-3mm 1" width . (80.5) 2" wide coarsely crystalline calcite 40°.	80' coarse banding 60°; 85' calcite CF 40°; 82 ' OF 35° 83' OF 40°; 83.5' OF conj. 30°, 80°; 86.5' OF 60°; 87' CF calcite 70°; 87.5' OF 40°; 1" brown oxide; 89' CF calcite diopside 15°; 91 OF 40° Mn, Fe stain; CF 15°, 70° calcite.
91	106.5	GREY GREEN CALCARIOUS BAND-ED HORNFELS Very soft green chlorite, minor diopside and garnet; lots of calcite filled fractures ; intermittent anhedral pyrite crystals	92' OF parallel banding 50°; CF conj. 50°30°; 92.5' CF 50°; calcite banding 50°; 93.5' OF with calcite MnFe stain parallel fol. ; 94.5 CF 40° calcite; 97.5' OF 70° down dip, calcite fol. x 50°; 99 ' frac. 50%, Fe Mn stain; 99.5' OF 50° FeMn stain ; 102-103' OF 0° broken ground FeMn stain; 105' OF 15° calcite; 106.5' OF 50°/

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FROM	TO	DESCRIPTION	STRUCTURE
138	141.5	BLUE GREY BANDED GARNET BIOTITE HORNFELS Coarse banding 70° core.	138.5' calcite vein parallel banding 45°; 139' OF 20° sdip; 140' OF 45°.
141.5	144.5	GREY BROWN MICA SCHIST Highly broken up talcy; also light brown clay fault gouge; chlorite along fracture plane, minor anhedral pyrite.	141.5'-144.5' fault zone.
144.5	154.5	TALCY MICA SCHIST Broken parallel foliation	foliation 70-80°.
154.5	155	FAULT GOUGE Two inches light brown clay.	154.5' fault
155	156	WHITE MASSIVE LIMESTONE	155.5' OF 45°.
156	165	BLUE GREY BANDED HORNFELS Calcareous effervescent.	FOL. %)°-60°; 157.5' CF 30°; 160' CF 45° calcite.

Scheelite visible under lamp
from 25-60'
70-100'
105-140'

---END OF HOLE---

DRILL LOG HOLE N4

FROM	TO	DESCRIPTION	STRUCTURE
106.5	111.5	LIGHT CINNAMON BROWN LIMY GARNET SKARN Minor diopside epidote, calcite in fractures; garnet porphyroblasts 1-5mm. 30% white calc-silicate 40%, actinolite minor diopside epidote calcite remainder; coarse banding caused by garnet porphyroblasts	108' coarse garnet banding 80°, CF 15° calcite; 109.5' 3mm calcite in fractures with epidote; 111.5 calcite in CF 20°.
111.5	133.5	CINNAMON BROWN GARNET DIOPSIDE SKARN 1-7 mm porphyroblasts OF garnet with interstitial diopside; none to poor coarse banding developed by garnet; all core effervescent ; calcite in closed and open fractures with chlorite?; (119.5) moly in open fractures	112' OF 50° 10mm; 112.5' OF 45° and 80°; 112.5-114' OF 0°; 114' OF 70° and CF 20° calcite; 115' quartz vein CF 80°; 115.5' OF 35° slickensides perpendicular to core axis; 116-116.5' calcite in dark green matrix, breccia 116.5' OF 80°; 117' OF 0°; 118' OF 20° calcite; 119' OF 35° and 25° calcite; 119.5' CF calcite 20°; 121' OF 25° calcite also OF 40° Fe stained; 122' OF 45° 122.5' OF 45°; 123' conj. fract. 55,10°; 123' 5-128 CF 0-15° calcite with chlorite?; 125.5' OF 45°; 128' OF 45°; 128.5' CF calcite; 130' OF 45°; 130.5' OF and CF 70° calcite; 131.5' OF 45°; 132-133.5 CF 15° green with calcite 133' OF 40° slickensides oblique to core axis; 133.5 OF 45°; 133' coarse banding 60°
133.5	134.5	GREY GREEN BANDED HORNFELS 5mm calcite fractures	1'CF 15°, calcite; 3'CF 45°.
134.5	138	CINNAMON BROWN GARNET DIOPSIDE SKARN Massive; banding poorly developed; garnet 80%, diopside up to 20%; core is effervescent	135' CF 50° calcite; 136' OF 45° parallel coarse banding