

DRILL EOG HOLE N3

<u>Depth</u>	<u>Location</u>	<u>Dip</u>	<u>Azimuth</u>
173'	11+20N 4+90E	-75°	244°

<u>FROM</u>	<u>TO</u>	<u>DESCRIPTION</u>	<u>STRUCTURE</u>
Collar	12	OVERBURDEN	
12	16	BLUE GREY GARNET DIOPSIDE BIOTITE HORNFELS Garnet 20%, diopside 50%, biotite 30%.	13' OF 30°; 14-16' broken ground about 5 frac/ft.; 14-15' OF 0° Fe stained
16	29.5	WHITE TO GREY BANDED GARNET DIOPSIDE MARBLE Garnet 10%, diopside in fractures 20%, limestone 60%, quartz 10%; porphyroblasts of garnet, minor scheelite.	16-18' broken ground parallel foliation; 18.5' OF 40°; 19' OF 45°; 19.5' OF 40°; 20' OF 45°; 21 OF 45°; 21-23 OF 0°; 21-23 qtz. in CF 15° to 0°; 23.5' OF 45°; 24.5' OF parallel banding 40°; 25' OF 40°; 25.5-26' qtz. CF 15°; 28.5' OF 25° 70°; 29' OF 40°; 29.6' 2 parallel fault gouge calcareous clay .
29.5	36	DARK CINNAMON BROWN GARNET DIOPSIDE SKARN Banding absent to poorly developed; composition garnet 40%, diopside 30-40% quartz 10%, diopside in fractures 10%.	30' OF 45°; 30.5-32' OF 0° to 15°; 31.5' OF 40° calcite 32' OF 40° calcite 1/2" ; 32-36' CF 5 frac/ft calcite
36	39.5	GREEN WHITE BANDED DIOPSIDE MARBLE Diopside 50%, marble 50%.	36.5' OF 40°; 37' OF 40°; 38.5' OF 40°; 39' OF 35°.

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39.5	54.5	WHITE TO GREY BANDED GARNET MARBLE Garnet porphyroblasts in bands; garnet 30%, diopside 15%, marble more than 50%.	40' calcite CF 30°; 40.5' OF 40°; 41.5 OF 45°; 42.5' 65°, OF 40° ; banding 40°
54.5	71	DARK CINNAMON BROWN GARNET DIOPSIDE SKARN Garnet 70%, diopside 20%, quartz about 10%; calcite in fracture.	54.5' OF 30°; 55.5 1" calcite CF 60°; 55-63 CF with calcite 3-5 fract/ft; 57' OF 40° calcite; 57.5 OF 40°; 58' OF 40°; 60' conj. fract. 40°,40°; 60.5' Calcite 70°; 61' calcite 5mm CF 40°; 62.5' conj.fact. 45°, 30°; 64-65' lightly fractured ; 0° and oblique fractures ; 65.5' OF 45°; 66' OF 60°, 40° with calcite; 66.5' OF 60°; 67' calcite CF 2mm 40°; 68.5 calcite OF 40°; 69.5' calcite CF 40°.
71	90	WHITE GARNET DIOPSIDE MARBLE Garnet porphyroblasts 20%, diopside in fractures 10%, white massive to poorly banded marble 50%, quartz and other calc-silicates in CF 10%.	72' banding 70°; 73' OF 30°; 74-75' OF 0-15°; 76-76.5' CF 40° diopside and calc-silicate; 77-78' quartz and calc-silicate in CF ; 78-79' OF 0°; 79' banding 40°; 79.5' grey calc-silicate and diopside 30°; 80.5' CF grey diopside and calc-silicates 30°; 81' OF 45°; 81.5 OF 45°; 82' OF 40°; 85' quartz in 1-2 mm. fractures 15°; 87' banding about 40°.
90	102	CINNAMON BROWN GARNET DIOPSIDE SKARN Anhedral garnet porphy- blasts 80%, diopside 10%, quartz 10%.	89.5' OF 40°; 92.5' OF 45°; 93' OF 40°; 95' OF 40°; 94.5' -98' broken up core, vertical and oblique OF 5 frac. per foot; 98' OF 40°; 98.5' OF 40° banding; 99.5 OF 40° MnFe stain; 100' CF 30°; 100.5' OF 30°; 101' CF 30°
102	109	THINLY LAMINATED GREY LIMESTONE	102.5' CF calcite conj.fract. 45°; 103.5' OF 45° xdip; 105.5' OF 40°; 106' OF 35°.
109	111	BANDED GARNET ACTINOLITE SKARN	

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111	120	CINNAMON BROWN GARNET DIOPSIDE SKARN Banding poorly developed; garnet porphyroblasts 1-5mm 70-80%, diopside 10-15%, quartz 10%.	114.5' OF 20°; 115' OF 40°; 116' OF 40° calcite CF 116.5' banding parallel OF 40°; 117.5' OF 40°; 118.5' OF 45°; 119.5' OF 25° calcite; 120' OF 25°.
120	123	BANDED GARNET ACTINOLITE AND CALC-SILICATE SKARN Garnet porphyroblasts 5-10mm. 50%, actinolite 10%, calc-silicates 40%.	
123	157	WHITE CALC-SILICATE MARBLE Minor garnet, less than 10% porphyroblasts of grey silicates and calc-silicates remainder marble.	124' OF 40°; 125' OF 30°; 126' OF 30°; 126' OF 20°-0°; 128' OF 40° parallel fol.; 129' OF 40°; 131' white clay gouge 1 parallel; 131.5' OF 40°; 134' OF 25°; 138' OF 30°; white mica 2" in fracture slickensides down dip; 139' OF 0-15°; 140' OF 40°; 143' OF 15°; 144' OF 40° calcite; 145' OF 30°; 146' OF 30°; 146.5' OF 30°; 152.5' OF 30°, 50°; 153' OF 40° calcite 154' OF 50°.
157	173	BLACK BIOTITE SCHIST Grades to hornfels (170-173') biotite hornfels. Fluorescence, few spot values throughout skarn; scheelite visible under lamps from 55-56.5, 71.5- 72'.	167.5-169' grey clay fault gouge 165.5'.

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