

Diamond-drill hole B-5

Altitude: 700.0 feet
Coordinates: N. 1,005, E. 1,275
Direction: N. 14° W.

Inclination: Minus 74°
Depth: 149.2 feet

<u>Depth, in feet</u>	<u>Description</u>
0 - 10.0	No core. Overburden.
10.0 - 65.5	Foliated biotite granite. Coarse-grained. Layers of biotite schist range from 4 to 8 inches thick.
65.0 - 109.0	Pegmatite.
*65.0 - 65.5	Plagioclase-quartz-muscovite pegmatite (border zone). Fine-grained. Estimated mineral percentages are: Plagioclase - 60 percent, quartz - 32 percent, and muscovite - 8 percent.
*65.5 - 77.5	Plagioclase-quartz-perthite pegmatite (wall zone). Medium-to coarse-grained. The percentage of perthite is extremely variable. Estimated mineral percentages are: Plagioclase - 35 percent, quartz - 30 percent, perthite - 28 percent, and muscovite - 7 percent.
*75.5 - 103.0	Perthite-quartz pegmatite (1st intermediate zone). Very coarse-grained. Perthite occurs as crystals that are as much as 3 feet thick. One 2-inch ruled muscovite book is present. Cleavelandite aggregates have a maximum thickness of 12 inches. Estimated mineral percentages are: Perthite - 70 percent, quartz - 20 percent, plagioclase (cleavelandite) - 5 percent, and muscovite - 5 percent.
*103.0 - 108.0	Plagioclase-quartz-perthite pegmatite (wall zone). Medium-grained. Estimated mineral percentages are: Plagioclase - 40 percent, quartz - 35 percent, perthite - 20 percent, and muscovite - 5 percent.
*108.0 - 109.0	Plagioclase-quartz-muscovite pegmatite (border zone). Fine-grained. Accessory crystals of green apatite range from 1/8 to 1/4 inch in diameter. Estimated mineral percentages are: Plagioclase - 58 percent, quartz - 34 percent, muscovite - 7 percent, and apatite - 1 percent.
109.0 - 149.2	Foliated biotite granite. Coarse-grained. Pegmatitic lenses range from 2 to 24 inches thick.
149.2	End of hole.

*Subsidiary interval

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