

Diamond-drill hole B-7

Altitude: 728.0 feet
Coordinates: N. 1,080, E. 1,585
Direction: N. 14° W.

Inclination: Minus 74°
Depth: 101.8 feet

<u>Depth, in feet</u>	<u>Description</u>
0 - 1.3	No core. Overburden.
1.3 - 31.0	Foliated biotite granite. Coarse-grained. Phenocrysts of orthoclase are as much as 1/2 inch long.
31.0 - 72.8	Pegmatite.
*31.0 - 31.3	Plagioclase-quartz-muscovite pegmatite (border zone). Fine-grained. Estimated mineral percentages are: Plagioclase - 60 percent, quartz - 30 percent, muscovite - 7 percent, perthite - 2 percent, and biotite - 1 percent.
*31.3 - 36.2	Plagioclase-quartz-perthite pegmatite (wall zone). Medium-grained. Most of the perthite is in cream crystals that range from 1 to 4 inches thick. Some is graphic. Estimated mineral percentages are: Plagioclase - 40 percent, quartz - 30 percent, perthite - 27 percent, and muscovite - 3 percent.
*36.2 - 43.3	Perthite-quartz pegmatite (1st intermediate zone). Coarse-grained. Most of the perthite is cream. Some is graphic. Estimated mineral percentages are: Perthite - 55 percent, quartz - 39 percent, plagioclase - 5 percent, and garnet - 1 percent.
*43.3 - 72.8	Plagioclase-quartz-perthite pegmatite (wall zone). Medium-to coarse-grained. Some of the perthite contains graphic quartz. A small proportion of the plagioclase is cleavelandite. Estimated mineral percentages are: Plagioclase - 43 percent, quartz - 30 percent, perthite - 25 percent, and tourmaline and biotite - 2 percent.
72.8 - 74.2	Foliated biotite granite. Coarse-grained.
74.2 - 75.6	Plagioclase-quartz-perthite pegmatite. Same as between 43.3 and 72.8 feet except that biotite is more abundant and cleavelandite and graphic granite are absent. Estimated mineral percentages are: Plagioclase - 38 percent, quartz - 30 percent, perthite - 25 percent, biotite - 5 percent, and muscovite - 2 percent.
75.6 - 77.1	Foliated biotite granite, as between 72.8 and 74.2 feet.
77.1 - 80.5	Plagioclase-quartz-perthite pegmatite. Medium-grained. Estimated mineral percentages are: Plagioclase - 40 percent, quartz - 30 percent, perthite - 25 percent, biotite - 3 percent, and muscovite - 2 percent.
80.5 - 101.8	Foliated biotite granite. Coarse-grained. The granite contains 2.5 feet of fine-grained biotite schist.
101.8	End of hole.

*Subsidiary interval
4649