

GEOLOGIC LOG
CAPE ROSIER MINE
D. D. Hole 4

Collar: N 4450, E 4475
Elevation: 27'

Course: N 50 W Mag.
Average Angle: 45°
Depth: 450 Ft.

<u>From</u>	<u>To</u>	
0'-0"	8'-0"	Overburden
8	29	Rhyolite Agglomerate, fragments up to 1", sheared in part of it and somewhat schistose, with light grey and slightly darker streaking.
29	41	Diorite, fine grained.
41	94	Rhyolite agglomerate, sheared and with thin dark gray-green streaks, many small residual fragments, some up to 1/2".
94	109	Diorite, fine grained near 94, then coarser away from contact.
	104-108	Veins of anhedral pyrite crystals, and of chalcopyrite.
	108-109	Sheared diorite with some platy chloritic mineral developing schistosity. Chalcopyrite and pyrite present in this schist.
109	177.8	Rhyolite aggl., sheared and altered.
	107.2-111.2	One end of this sample is definitely in diorite, the other in chlorite schist. Diss. Pyrite 10% or more and chalcopyrite. Saw no sphalerite - looked closely for it. The chalcopyrite generally distributed irregularly but locally conforms to the schistosity.
		(SAMPLE 10: Zn 0.1%, Cu 1.0%, Pb 0.0%.)
	111.2-114.2	In chlorite schist like 114.2 on.
		(SAMPLE 11: Zn 0.1%, Cu 2.4%, Pb 0.0%.)
	114.2-125	Dark gray-green chlorite schist (dominantly a one-mineral schist). Angle of schistosity 60° to axis of core.
	125	Dark gray-green chlorite schist with light streaks.

Cape Rosier Mine, D. D. Hole 4 (Cont'd)

<u>From</u>	<u>To</u>	
		127' - Sphalerite - concentrated over 3". Talc selvages to ZnS crystals.
		140' - Residual rhyolite fragments of small size begin to appear.
		Rhyolite agglomerate, residual fragments, 1/2" present; at and after 159', some schistosity.
		173.8'-177.8' - Galena is more prominent than the analysis would indicate. This very low grade "ore" is not in schist, but in fractured, relatively unsheared rhyolite agglomerate.
		(SAMPLE 12: Zn 2.2%, Cu 0.3%, Pb 0.9%).
177.8	360	Rhyolite agglomerate, up to 1" fragments. 300-360 Fragments several inches across.
360	434	Rhyolite agglomerate sheared and schisted. Dark gray-green chlorite schist. Schistosity angle 60° to core axis. At 383 the 60° angle of schistosity is transected by fairly closely spaced shearing which bevels the opposite side of the core, with angle of 40° to core axis. These two directions continue to at least 430'.
434	448	Diorite, unusual type contains brown mineral distributed thickly in small grains.
448	450	Dark green chlorite schist.

Angle of Hole:

At 0': 45°

At 210': 46°

At 450': 44°