

GEOLOGIC LOG
CAPE ROSIER MINE
D. D. Hole 5

Collar: N 4550, E 4593
Elevation: 25'

Course: N 50 W Mag.
Average Angle: 45°
Depth: 288 Ft.

<u>From</u>	<u>To</u>	
0'-0"	45'-0"	Rhyolite, black, or black rhyolite agglomerate, much broken, fractured, veined by quartz and carbonate, leached and oxidized, cavities.
45	57	Diorite, much bleached and altered, some oxidation.
57	80	Rhyolite Agglomerate, 1/4" to 1/2" fragments. Some sheared, don't know whether the fragments were originally small or have been reduced in size by shearing. 86.6-89 M Mud reported, Gouge.
80	127.6	Rhyolite agglomerate? Much sheared altered and broken, poor core recovery to 107. Oxidized in part. Sphalerite, heavy (85.5-86.5) spongy with voids estimated 30% Zn. Mud seam (Gouge, in core box) at 86.6-89, 89-91.6 Chloritic or talcose very dark grey-green. 91.6-95 Chloritic (very dark grey-green) streaks 95-127.6 Rhyolite agglomerate, sheared to very small fragments, wisps of dark chloritic.
		121 - White carbonate 6-7" thick. 126 Diorite 1' thick.
127.6	151	
127	151	Diorite, chilled border of 127.6 131 - White carbonate vein several inches thick. The diorite is fine grained. Blotches of disseminated pyrite in the diorite within a few ft. of 151. Some xyls 4 mm. across.
151	174	Rhyolite or Rhyolite Agglomerate, much sheared, dark chloritic material, disseminated pyrite (Drill core much broken 151-162).

Cape Rosier Mine, D. D. Hole 5 (Cont'd)

<u>From</u>	<u>To</u>	
	169.6-171	Very dark chloritic rock with several % disseminated pyrite and at 170 some chalcopyrite.
	171-174	Pyrite-Sphalerite-Chalcopyrite in fractured and sheared rhyolite. (SAMPLE 13: Zn 2.2%, Cu 4.2%, Pb 0.1%)
174	288	Rhyolite agglomerate, sheared, locally highly chloritized (black) and with diss. pyrite. Fragments remaining are mm. size.
	186-190	Light gray possibly silicified
	196	Chalcopyrite
	196.10-214	Very dark grey chlorite with disseminated pyrite (sheared and altered)
	214-250	Sheared and altered but not as highly as 196.1-214. Here there are fragments up to several mm. in size. General color grey-green but not dark.
	250-288	Much larger fragments 1/2" to 1", left by shearing - less sheared than is the core 214-250. Fragments? (Checked 250-288 September 26th. The Rhyolite agglomerate contains various types of rhyolite as fragments.)

Angle of Hole:

At 0': 45°
At 288': 46°