

GEOLOGIC LOG
CAPT ROSIER MINE
D. D. Hole 9

Collar: N 4140, E 4340
Elevation: 10'

Course: N 50 W Mag.
Average Angle: 40°
Depth: 331 Ft.

<u>From</u>	<u>To</u>	
0'-0"	58'-0"	Diorite, fine grained near 0 then coarser grained and with lath like feldspars showing clearly near the middle, then fine grained near 58.
58	70	Rhyolite, gray, core much broken. May have been the rhyolite of 70-87 broken silicified and altered to lighter color.
70	87	Rhyolite very dark grey to black contains small feldspar laths or rectangular xyls, also branching (crystallites?). This is like the rhyolite on top of the hill south of No. 4 shaft. Some small parallel quartz veins at 30° to core. Last 2' brecciated and healed in light gray matrix.
87	94	Rhyolite, grey, core much broken. May have been the rhyolite of 70-87 broken silicified and altered to lighter color.
94	99	Diorite (fine gr. 94) then medium grained.
99	100	Sliced on 45° angle to core; veins formed; partly dissolved, cavities, oxidized (iron stain).
100	106.5	Rhyolite agglomerate, silicified?
106.5	138	Diorite.
138	176	Rhyolite agglomerate 138-143 Sheared, silicified light gray. 143-155 Unsheared, fragments "1" 155-176 Sheared light gray, streaked dark and light.
176	188.5	Diorite.
188.5	191	Very dark gray chloritic or talcose well foliated at angle of about 40° to core axis. Probably sheared and altered rhyolite agglomerate.

Cape Rosier Mine, D. D. Hole 9 (Cont'd)

<u>From</u>	<u>To</u>	
191	204	Rhyolite agglomerate, light gray silicified near 191, then sheared near 204 with small fragments up to 1/2" altered. Sphalerite vein at 194 makes 40° angle with core axis.
204	218.5	Sheared very dark chloritic streaks and light streaks. Quartz present over 3' at 218.5 Probably rhyolite agglomerate.
218.5	277	Rhyolite agglomerate, 1/2" fragments. Sheared some. Includes diorite (4 ft.) near 264.
277	331	Strongly sheared and altered. Rhyolite aggl? Occasional fragments rare. 277-287 Grey chloritic 287-301 Very dark gray chlorite or talc Fractures normal to core axis. 301-321 Grey chloritic. 321-331 Like 287-301.

Angle of Hole:
At 0': 38°
At 331': 42°