

GEOLOGIC LOG
 CAPE ROSIER MINE
 D. D. Hole 7

Collar: N 4570, E 4740
 Elevation: 10'

Course: N 50 W Mag.
 Average Angle: 57°
 Depth: 362 Ft.

| <u>From</u> | <u>To</u> | |
|-------------|-----------|--|
| 0'-0" | 33'-0" | Rhyolite agglomerate, black rhyolite fragments. Many siliceous fragments 1"-3" across. Both fragments and matrix are rhyolite. |
| 33 | 41 | Streaked white and very dark greenish gray rhyolite agglomerate? Fissile probably "schisted" agglomerate. Characteristic white small rectangular crystals in dark layers. Probably albite feldspar. These dark streaks or layers are probably an alteration or metamorphic product. |
| 41 | 61 | Diorite, massive fine even grained grey, occasional $\frac{1}{4}$ " white carbonate veins. Near 41' shows finer grain at contact, (chilling). Near 61' shows finer grain at contact (chilling). |
| 61 | 124 | Like 33-41 in general. 61-89 Also at 123 in a black rhyolite or black rhyolite agglomerate, somewhat bleached. Scattered small pyrrhotite veinlets. Two of them are 70° to schistosity, and at 15° to axis of core. The dark and white streaks make an angle of 60°-70° with axis of core. 120-124 Highly siliceous. |
| 124 | 126 | Bleached, altered friable light colored cavernous rock. Some carbonate (white). |
| 126 | 132.6 | Like 33-41 with the dark and light streaks but no rhyolite agglomerate pebbles. |
| 132.6 | 136 | Rhyolite, bleached black rhyolite, or black rhyolite agglomerate, siliceous with small clear white feldspar crystals (On fresh fracture). |
| 136 | 154 | Rhyolite agglomerate - black rhy. fragments, or black rhy., small white feldspar crystals in fragments and matrix. |

Cape Rosier Mine, D. D. Hole 7 (Cont'd)

| <u>From</u> | <u>To</u> | |
|-------------|-----------|---|
| 154 | 172 | Schisted rhyolite agglomerate. Talc? plates or xyls parallel to the lamination. Very minor disseminated pyrite crystals. |
| 172 | 174 | Diorite, fine grained. |
| 174 | 176.9 | Rhyolite, disseminated pyrite and pyrite-carbonate veinlets. Becomes talcose near ore. |
| 176.9 | 186.7 | "Ore" - 176.9-181.4 Sphalerite-galena-chalcopyrite replacing brecciated massive rhyolite (SAMPLE 21: Zn 3.2%, Cu 0.1%, Pb 1.1%). 181.4-186.7 Heavy massive sulphide as above shows some lamination. (SAMPLE 22: Zn 10.1%, Cu 0.5%, Pb 2.0%). |
| 186.7 | 190 | Diorite, fine grained. Minor pyrrhotite. |
| 190 | 191.6 | Rhyolite - fractured and veined by white carbonate. |
| 191.6 | 193.2 | Ore, carbonate gangue fine grained sphalerite, some chalcopyrite talc? present. (SAMPLE 23: Zn 9.9%, Cu 0.1%, Pb 2.5%). |
| 193.2 | 194 | Rhyolite? fractured and altered. |
| 194 | 209 | Diorite, fine grained near 194 and coarser grained near 200, then finer grained again near 209. |
| 209 | 227 | Rhyolite, 55°-65° angle of fracture to core axis. (At 227 several inches of rock containing pyrite pyrrhotite and chalcopyrite - sulphides 10%). |
| 227 | 240 | Diorite or rhyolite, fine grained and altered, contains local heavy disseminated pyrite xyls. |
| 240 | 304 | Rhyolite with numerous black or very dark small short streaks and wisps, also "fragments." Altered, very minor diss. Pyrite. From 274-304 small light colored fragments lie in this, dissem., pyrite some chalcopyrite. This is sheared and altered and pyritized, chloritized, rhyolite (or rhy. aggl. Sept. 26, WHN). |

Cape Rosier Mine, D. D. Hole 7 (Cont'd)

| <u>From</u> | <u>To</u> | |
|-------------|-----------|---|
| 304 | 307 | Same as 240-304 but more heavily mineralized. (SAMPLE 24: Zn 0.8%, Cu 3.0%, Pb 0.0%). |
| 307 | 362 | Rhyolite agglomerate. Fragments numerous and many over 1" across. This agglomerate contains various types of rhyolite as fragments. |

Angle of Hole:

At 0': 60°
At 362': 55°