GEOLOGIC LOG
CAPE ROSIER MINE
D. D. Hole 17

Collar: N 4710, E 4740
Elevation: 0

Course: N 55 W Mag.
Average Angle: 62°
Depth: 250 Feet

| From | To | |
|---|---|---|
| 0'-0" | 1'-0" | Overburden |
| 1 | 7 | Agglomerate (Dyer's Point?); grey-green mottled matrix. Light grey to white fragments; 1/2 to 5 or more cms. |
| 7 | 10 | Diorite, fine grained. |
| 10 | 41-6 | Dyer's Point agglomerate; fragments many cms; many with black central portion, aphanitic, and white or grey bleached margins; several feet of green-grey streaked with fels-metacrysts; 60°-70°. |
| 41-6 | 71-6 | Diorite; upper margin chilled, center coarse; lower margin medium grained. |
| 71-6 | 89-6 | Agglomerate, probably Dyers Point, grey-green streaked, with feldspar crystals; and some light grey uniform aphanitic, possibly silicified. |
| 89-6 | 95-0 | Ore. Massive sulfide sphalerite and chalcopyrite; considerable pyrite; visible gangue minor, but carbonate in part; talc and chlorite not apparent.<br>SAMPLE 44: 89-6 to 90-6 17.0% Zn 2.8% Cu 0.9% Pb.<br>SAMPLE 45: 90-6 to 93-8 28.8% Zn 1.9% Cu 0.4% Pb.<br>SAMPLE 33: 93-8 to 95-0 22.2% Zn 2.5% Cu 0.1% Pb. |
| 95-0 | 99 | Agglomerate, somewhat altered.<br>95-96-1 White carbonate, minor chlorite streaks at 35°.<br>96-1-99 Largely chlorite and talc. |
| 99 | 140-6 | Agglomerate; light grey, rhyolitic, except locally where altered to chlorite for one foot or so. Several thin iron-stained fractures or seams. |

| From | To | |
|---|---|---|
| 140'-6" | 180'-0" | Diorite; light grey in part; elsewhere the normal grey-green; very even grained; some fractures contain pyrite and chalcopyrite; quartz-carbonate veinlets at 20 to 25°. Also tendency of core to break at 20-25°; lower contact sharply chilled. |
| 180 | 247 | Agglomerate, altered.<br>180-189 Very mottled, green-grey; chloritic and carbonate.<br>189-207-9 Siliceous or possibly primary rhyolitic agglomerate.<br>207-9-247 Chiefly green-black chlorite with much fine disseminated pyrite in ½ mm crystals; also disseminated chalcopyrite; no sphalerite; definitely not even low grade ore; less than 1% Cu. No marked schistosity. Angles uncertain. |
| 247 | 250 | Agglomerate; fragments 2mm to 1 cm and over; matrix greenish with chlorite.<br>Hole ends in fairly unsheared agglomerate, with fragments chiefly light grey, aphanitic. |

Collar Angle 61°
Surveys 200' 64°