

GEOLOGIC LOG  
CAPE ROSIER MINE  
D. D. Hole 14

Collar: N 4980, E 4980  
Elevation: 1

Course: N 51 W Mag.  
Average Angle: 50°  
Depth: 265 Ft.

| <u>From</u> | <u>To</u> |   |
|-------------|-----------|---|
| 0'-0"       | 14'-0"    | Sheared agglomerate; grey and streaked; grain generally less than 1 mm; few residual $\frac{1}{8}$ " fragments; angle of shearing and break is 40°-50° to core axis; slight silicification.   |
| 14          | 40        | Diorite; fine grained at 14; coarser toward 22 and 30; fine again at 40; circa 30 thin calcite seams at 15° with traces of pyrite and chalcopyrite.   |
| 40          | 82        | Sheared rhyolite agglomerate; a grey siliceous rock with grey-green patches and some streaking; some feldspar crystals (metacrysts); sulfide traces very scant; distinct shearing especially below 45 with abundant feldspar crystals; 1 mm traces of sphalerite and chalcopyrite around 60-75.<br>At 75: shear angle 70°; fragments 1 mm.<br>At 76-78: darker, more chlorite; some $\frac{1}{4}$ " to $\frac{1}{2}$ " fragments.<br>At 77: suggestion of flow structure. |
| 82          | 90-8      | Very fine-grained agglomerate or black rhyolite. Flow structures; scattered traces of sphalerite and chalcopyrite along flow or shear.  |
| 90-8        | 91-6      | Chlorite schist (altered sheared-agglomerate); green-black, soft.   |
| 91-6        | 94        | Grey-green, hard, chloritic agglomerate.  |
| 94          | 96-10     | Ore: sphalerite; slightly spongy, with talc rims in green-black chlorite schist; angles 30°-40°. Estimate 7% Zn over 2.8 feet.<br>SAMPLE: 9: 90'-10" $\sqrt$ Zn 7.9% Cu 0.4% Pb 0.1%.<br><u>to 96'-10"</u>  |

Cape Rosier Mine, D. D. Hole 14 (Cont'd)

| <u>From</u> | <u>To</u> |  |
|-------------|-----------|--|
| 96'-10"     | 102'-10"  | Green-black chlorite-schist specked with chalcop-<br>rite and pyrite; chalcopyrite conformable.<br>* SAMPLE 31A: 96'-10" - 100' - 10" Zn 1.2 Cu 0.7 Pb 0.0<br>* SAMPLE 32A: 100'-10" - 102'-10" Zn 3.2% Cu 2.2% Pb 0.0                               |
| 102-10      | 111       | Agglomerate; grey, very fine grain.  |
| 111         | 120       | Agglomerate; dark grey and greenish; abundant $\frac{1}{2}$ to<br>1 mm feldspar crystals (metacrysts) especially in<br>the dark chloritic area.  |
| 120         | 264-6     | Agglomerate, massive; grey with several types of<br>fragments mostly 2-3 mm; some up to 2 cm; rare<br>traces pyrite and chalcopyrite; and sphalerite (240);<br>coarse agglomerate 2-5 cm from 240 to 250.<br><br>Collar Angle 52°<br>Survey 200' 47° |

END OF HOLE

\* These two samples computed from composite sample.