

CURRAGH RESOURCES  
(Vangord)

406505

Project 4042 - MINERALOGY

Three test products were received in the Mineralogy laboratory for examination for identification and determination of the gold and silver minerals. The products were identified as:

- (1) Test No. 5 Cu Ro Tail
- (2) Test No. 5 Cu Ro Concentrate
- (3) Test No. 5 Cu Pb 2nd Cleaner Scavenger Concentrate.

A portion of each sample was briquetted and polished for reflected light microscopy.

Gold was not identified in any one of the samples, but silver was identified in both the Cu Rougher Concentrate and the Cu Rougher Tails. Two particles of silver were identified in the tailing product and six in the concentrate. Four of the silver grains exhibited partial to total coating by a mineral assumed to be a secondary silver mineral. This mineral coating is estimated to represent five to ten percent of the total silver in the Cu Rougher Concentrate. The grain sizes of the silver grains were:

Cu Ro Tail

1. 35 x 17 micrometers
2. 30 x 17 micrometers

Cu Ro Conc

1. 49 x 18 micrometers
2. 25 x 18 micrometers
3. 31 x 22 micrometers
4. 24 x 18 micrometers
5. 108 x 9 micrometers
6. 90 x 14 micrometers

Apart from the attached "alteration" product the silver was free of other mineral associations.

Discrete gold may have been present as fine-grained (smaller than 5 micrometers in section) but was not identified. Some, if not all, of the gold may have been present in solid solution with silver.

*Do some microprobe work at Western  
with Stephen Chappell*