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BT 64

Mineralogical examination reveals that this hole represents the only suite where free cassiterite was absent from the + 850 - 1670 micron 2.96 S.G. sink fraction which indicates relatively fine and even grained cassiterite. Of the composite cassiterite in this product 56.5 percent reported to 2.96 S.G. sinks assaying 0.89 percent tin.

Figure 2 illustrates maximum deportment of weight and cassiterite to 2.96 S.G. sinks occurs at sizes less than 300 microns. Tin and weight distributions of floats at these sizes generally peak at 6 percent tin distribution and 83 percent weight distribution.

Table 1 bears out mineralogical results with the 3.30 S.G. sink product assay of 2.97% Sn being low due to the presence of cassiterite composites as well as free biotite and topaz.

Table 1: Overall Heavy Liquid Separations

| Specific Gravity | Component | Weight | %Weight | % Tin | Distribution |
|------------------|-----------|--------|---------|-------|--------------|
| <2.96            | Floats    | 469.46 | 73.31   | 0.04  | 11.76        |
| 2.96 →           | Middlings | 45.84  | 7.16    | 0.51  | 14.64        |
| 3.30             |           |        |         |       |              |
| >3.30            | Sinks     | 29.99  | 4.68    | 2.97  | 55.74        |
| Fines            | Fines     | 95.06  | 14.85   | 0.30  | 17.86        |
| Total            | Head      | 640.35 | 100.00  | 0.25  | 100.00       |