

028170

TABLE D2 MINERALOGY OF BULKIER CONCENTRATES

Size Fraction (µm)	Cyclosizer Product	Mineralogy of Sulfide Rougher Concentrate (Weight %)					Stannite: Cassiterite Ratio*
		Stannite and Cassiterite*	Pyrite	Arsenopyrite	Iron Oxides	Non-opaque Gangue	
-75 +38		1	97	1	-	1	9.7
-38 +30	C1	1	95	2	1	1	3.3
-30 +22.3	C2	2	92	1	1	4	2.2
-22.3 +15.7	C3	2	83	1	2	12	2.9
-15.7 +10.3	C4	1	71	1	5	22	1.5
-10.3 + 8.0	C5	2	62	1	5	30	1.3
- 8.0	-C5 <sup>§</sup>	(1)	(63)	(1)	(5)	(30)	(1.3)
Total Product		(1)	(77)	(1)	(3)	(18)	(2.3)

Size Fraction (µm)	Cyclosizer Product	Mineralogy of Tin Res. Concentrate (Weight %)				Iron
		Cassiterite	Pyrite	Iron Oxides	Non-opaque Gangue	
-75 +38		56	1	26	17	-
-38 +32.5	C1	52	2	22	20	4
-32.5 +24.2	C2	14	1	28	45	12
-24.2 +17.0	C3	9	1	21	50	19
-17.0 +11.2	C4	3 <sup>†</sup>	1	23	58	15
-11.2 8.7	C5	1 <sup>†</sup>	1	6	90	2
- 8.7	-C5 <sup>§</sup>	(0.4) <sup>†</sup>	(0.6)	(6)	(91)	(2)
		(4)	(1)	(9)	(82)	(4)

\*Tin mineral content calculated from tin assay assuming all tin is in stannite and cassiterite. The ratio of these two minerals was determined by gross counting.

<sup>†</sup>Cassiterite content of these size fractions calculated from tin assay assuming all tin is in cassiterite.

<sup>§</sup>Mineralogy of -C5 size fraction is assumed to be similar to the C5 size fraction except for the stannite or cassiterite content which was calculated from the tin assay.