

TABLE B10: OVERALL TIN DISTRIBUTION IN COMPOSITE SAMPLES

Sample	Size Fraction (um)	Tin distribution in sample					Tin distribution in size fractions			
		% Locked in sp.gr. <4.0 products ⁽¹⁾	In heavy (sp.gr. >4.0) products ⁽¹⁾				Liberated Tin in		Total Liberated Tin	Tin in Locked Minerals
			Cassiterite ⁽²⁾		Stannite ⁽²⁾		Cassiterite	Stannite		
			Liberated	Locked	Liberated	Locked				
Porphyry Comp. 1 (PC1)	+500	30.8	-	7.4	-	-	-	-	-	100
	-500+300	4.6	1.4	4.4	-	0.1	13	-	13	87
	-300+210	1.5	1.5	1.9	0.1	-	30	1	31	69
	-210+105	1.7	5.1	4.0	-	0.1	47	-	47	53
	-105+53	0.6	6.8	2.5	0.2	0.1	67	2	69	31
	Total, +53 -53 ⁽³⁾	39.2	14.8	20.2	0.3	0.3	20	-	20	80
	(-)	(20.3)	(3.4)	(0.9)	(0.1)	(83)	(3)	(86)	(14)	
Total Sample		39.2	35.6	23.6	1.2	0.4	36	1	37	63
Porphyry Comp. 2 (PC2)	+500	23.2	-	10.5	-	-	-	-	-	100
	-500+300	4.1	2.0	4.0	0.1	0.3	19	1	20	80
	-300+210	1.5	2.2	2.2	-	0.1	37	-	37	63
	-210+105	2.1	6.4	5.2	0.1	-	46	1	47	53
	-105+53	1.0	7.3	4.9	0.2	0.2	54	2	56	44
	Total, +53 -53 ⁽³⁾	31.9	17.9	26.8	0.4	0.6	23	1	24	76
	(-)	(17.3)	(4.3)	(0.6)	(0.2)	(77)	(2)	(79)	(21)	
Total Sample		31.9	35.2	31.1	1.0	0.8	35	1	36	64
Sulphide Comp. 1 (SC1)	+500	33.3	1.1	17.7	-	-	2	-	2	98
	-500+300	5.1	-	4.1	-	-	-	-	-	100
	-300+210	2.0	0.1	2.7	-	-	2	-	2	98
	-210+105	2.5	1.1	3.3	-	-	16	-	16	84
	-105+53	1.1	2.4	2.0	-	-	44	-	44	56
	Total, +53 -53 ⁽³⁾	44.0	4.7	29.8	-	-	6	-	6	94
	(-)	(16.6)	(4.9)	(-)	(-)	(77)	(-)	(77)	(33)	
Total Sample		44.0	21.3	34.7	-	-	21	-	21	79
Sulphide Comp. 2 (SC2)	+500	25.3	4.4	15.5	-	-	10	-	10	90
	-500+300	3.9	5.1	4.5	-	-	38	-	38	62
	-300+210	1.4	3.4	2.6	-	-	46	-	46	54
	-210+105	1.4	8.4	2.6	-	-	68	-	68	32
	-105+53	0.6	6.3	1.7	-	-	72	-	72	28
	Total, +53 -53 ⁽³⁾	32.6	27.6	26.9	-	-	28	-	28	72
	(-)	(11.6)	(1.3)	(-)	(-)	(90)	(-)	(90)	(10)	
Total Sample		32.6	39.2	28.2	-	-	39	-	39	61

(1) From Tables E1-4. (2) Calculated from the heavy products tin mineralogy (Table E6) and the liberation of tin minerals in the heavy products (Tables E7 and E8).

(3) Calculated assuming the -53 micron fraction has all of its tin in tin minerals in the same proportions as the -105+53 micron size fraction. The liberation of the tin minerals was assumed to be half way between the liberation of the -105+53 micron size fraction and complete liberation.