

TABLE 1: SEMI-QUANTITATIVE EMISSION SPECTROGRAPHIC ANALYSIS OF HEAD SAMPLE

Sample No.	Major		Minor		Heavy Trace (0.1 - 11)		Trace (0.01 - 0.1%)			Faint Trace (0.001 - 0.01%)			Very Faint Trace (0.0001 - 0.001%)	
	Ca Fe S		Al K Mg		Mn Na		Rb W Sn	Tl Bi Cu Zn		Zr Li B		Be Cr As	Ni V Ca Pb Cs	Co Mn Y

Note: Elements not sought: Hg U.

TABLE 2: SIZING OF GROUND ORE

Screen Aperture or Cyclosizer Cone		Weight Passing, Cum. %	
Nominal Size µm	Equivalent Mesh BSS	10 min. Grind*	15 min. Grind*
150	100	99.8	-
105	150	97.4	-
90	170	-	99.6
75	200	89.0	-
63	240	-	97.3
53	300	76.2	-
45	350	-	88.5
33	C1	59.2	-
25	C2	47.1	-
17	C3	36.5	-
11	C4	25.7	-
9	C5	20.5	-
-9			

*Ground in rod mill at 60% solids.

TABLE 3: DAVIS TUBE SEPARATIONS

Field Strength K gauss	Product	Product Weight %	Assay %		Distribution, %	
			CaF ₂	Fe	CaF ₂	Fe
1.0	Magnetic	23.9	8.9	43.6	12.8	61.1
1.0	Non-magnetic	76.1	19.2	8.7	87.2	38.9
	Head	100.0	16.8	17.0	100.0	100.0
4.7	Magnetic	25.5	9.0	43.8	13.9	64.8
4.7	Non-magnetic	74.5	19.1	8.2	86.1	35.2
	Head	100.0	16.5	17.2	100.0	100.0