

TRJ-147
R. 307

MOINA TUNGSTEN—TIN MINING
COMPANY N.L.

Re-Separation of Magnetite Dump

A grab sample from this dump assayed:—

Sn	2.35
WO ₃	2.05

The sample was dry screened into five sizes, each of which was magnetically separated with the following results:—

	Weight	Percent			Percent Distribution	
		Sn	WO ₃		Sn	WO ₃
+ 5 mesh B.S. Magnetite	23.8	1.08	..	11.0	..	
+ 10 mesh B.S. Magnetite	30.0	0.61	Trace	7.8	..	
+ 52 mesh B.S. Magnetite	11.5	1.64	0.3	8.0	1.7	
+ 100 mesh B.S. Magnetite	12.4	0.72	0.25	3.8	1.5	
- 100 mesh B.S. Magnetite	13.5	0.75	0.22	4.3	1.4	
Total Magnetite Product ..	91.2	0.9	0.1	34.9	4.6	
Total Non-Magnetite Product	8.8	17.4	22.2	65.1	95.4	
Composite	100.0	2.35	2.05	100.0	100.0	

Careful re-separation could thus recover 65% of the tin and 95% of the wolfram. The tin reporting with the magnetite could only be separated after further reduction.