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Table 5: Overall Heavy Liquid Separations

Specific Gravity	Component	Weight	%Weight	% Tin	Distribution
< 2.96	Floats	552.14	78.84	0.06	8.31
2.96 → 3.30	Middlings	20.99	3.00	1.69	8.90
> 3.30	Sinks	17.91	2.56	14.70	66.08
Fines	Fines	109.28	15.60	0.61	16.71
Total	Head	700.32	100.00	0.57	100.00

Table 6: Sink Department at 3.30 S.G.

Size	%WT	%Sn	Recovery	Head %Sn	Upgrading Ratio
+ 1180	0.64	25.0	49.68	0.32	78.1
+ 600	1.31	19.6	70.28	0.37	53.0
+ 300	3.66	14.3	90.05	0.58	24.7
+ 150	5.25	11.9	94.28	0.66	18.0
+ 75	4.09	16.2	93.25	0.71	22.8
TOTAL +	75	3.03	85.17	0.53	27.7

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Mineralogical examinations reveal 60 percent liberation of cassiterite in the + 850 2.96 S.G. sink product.

Heavy liquid tests reveal that of the four samples tested, this sample contained the largest deportment of cassiterite in the 1180 micron fraction with 88 percent of the tin at this size reporting to 2.96 S.G. sinks assaying 11.7% Sn.