

DEPARTMENT OF MINES LABORATORY.

LAUNCESTON May 28th 1943.

N<sup>o</sup> 86

Lab. Regd, No. 300

Pig Flat Ore.

Group 1.

Sizing Analysis.

Fraction.	Weight		Tin Percent	Tin Distribution	
	Percent	Percent Cum.		Percent	Percent Cum.
- $\frac{1}{2}$ " + 5 mesh.	22.64	22.64	0.13	13.71	13.71
-5 + 10 "	6.23	28.87	0.18	5.22	18.93
-10 + 14 "	2.29	31.16	0.29	3.09	22.02
-14 + 22 "	3.94	35.10	0.27	4.96	26.98
-22 + 30 "	2.35	37.45	0.37	4.05	31.03
-30 + 44 "	2.00	39.45	0.39	3.63	34.66
-44 + 60 "	2.41	41.86	0.53	5.95	40.61
-60 + 85 "	3.03	44.89	0.66	9.32	49.93
-85 + 100 "	0.74	45.63	0.85	2.93	52.86
-100 + 120 "	1.34	46.97	0.75	4.68	57.54
-120 + 150 "	2.52	49.49	0.73	8.60	66.14
-150 + 200 "	3.32	52.81	0.61	9.43	75.57
E.F. 1	0.10	52.91	22.90	10.67	86.24
" 2	2.22	55.13	0.77	7.96	94.20
" 3	4.37	59.50	0.12	2.44	96.64
" 4	5.55	65.05	0.07	1.81	98.45
" 5	6.63	71.68	0.05	1.55	100.00
" 6	28.32	100.00	Nil	Nil	
Composite	100.00		0.2147		

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DEPARTMENT OF MINES LABORATORY

LAUNCESTON May 22nd 1943.

Lab. Regd. No. 300.

Pig Flat Ore.

Group 4.

Sizing Analysis.

Preparation of Sample:-

Sample was made to a pulp of 40% Solids and rolled for half an hour, screened to plus 200 mesh size and minus 200 mesh sized by elutriation. B.S. Screens.

<u>Fraction.</u>	<u>Weight</u>		<u>Tin</u>	<u>Tin Distribution</u>	
	<u>Percent</u>	<u>Percent Cum.</u>	<u>Percent.</u>	<u>Percent</u>	<u>Percent Cum.</u>
- $\frac{1}{2}$ " + 5 mesh.	19.30	19.3	0.07	9.24	9.24
-5 + 10 mesh.	6.80	26.1	0.10	4.65	13.89
-10+ 14 "	2.60	28.7	0.11	1.96	15.85
-14 + 22 "	3.70	32.4	0.10	2.53	18.38
-22 + 30 "	2.20	34.6	0.18	2.71	21.09
-30 + 44 "	1.85	36.45	0.20	2.53	23.62
-44 + 60 "	2.20	38.65	0.27	4.06	27.68
-60 + 85 "	2.50	41.15	0.41	7.01	34.69
-85 + 100 "	0.73	41.88	0.57	2.85	37.54
-100+ 120 "	1.10	42.98	0.54	4.06	41.60
-120 + 150 "	2.10	45.08	0.54	7.76	49.36
-150 + 200 "	2.95	48.03	0.55	11.10	60.46
E.F. 1	0.07	48.10	27.44	13.14	73.60
" 2	0.95	49.05	1.96	12.74	86.34
" 3	3.90	52.95	0.20	5.34	91.68
" 4	5.30	58.25	0.13	4.71	96.39
" 5	6.60	64.85	0.08	3.61	100.00
" 6	35.15	100.00	Nil	Nil	
Composite	100.00		0.1462		