NAGROM
the mineral processors

A.C.N. 008 868 335
A.B.N. 55 008 868 335

T: 08 9399 3934
F: 08 9497 1415

PO Box 66
Kelmscott WA 6991

49 Owen Road,
Kelmscott WA 6111

Nagrom Metallurgical Report

AVZ Minerals

33 Ord Street
West Perth WA 6005

Nagrom Batch Number: T2503

Preliminary Characterisation Testwork

May 15 2018

SPODUMENE

NAGROM
the mineral processors

A.C.N. 008 868 335
A.B.N. 55 008 868 335

T: 08 9399 3934
F: 08 9497 1415

PO Box 66
Kelmscott WA 6991

49 Owen Road,
Kelmscott WA 6111

Nagrom Report Summary

Reference: T2503 Dated: May 15 2018

Findings:

- Nigel Ferguson of AVZ Minerals Ltd requested spodumene concentration testwork of drill hole samples of Pegmatite Ore from the Roche Dure Deposit. 83 samples were received and two composites were created, namely MO17DD001 Comp and MO17DD002 Comp as per compositing instructions from AVZ Minerals Ltd. The composites were analysed and the head assay is outlined in the table below:

Sample ID	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2
	kg	ppm	%	%	%
MO17DD001 Comp	151	17620	0.953	16.050	74.305
MO17DD002 Comp	111	13970	0.902	16.006	73.589

- A Size by Analysis was conducted on the two (2) composites and is detailed in the tables below.

MO17DD001 Comp Size by Analysis

PRODUCT	Yield	Li2O		Fe2O3		SiO2	
Size (mm)	%	ppm	dist.	%	dist.	%	dist.
+6.3	1.05%	12660	0.75%	0.459	1.35%	70.690	1.00%
+5.6	2.55%	27240	3.90%	0.358	2.55%	71.400	2.45%
+4.75	3.89%	20480	4.46%	0.309	3.35%	72.727	3.80%
+4	9.10%	21460	10.94%	0.306	7.77%	73.205	8.96%
+3.35	14.70%	19030	15.68%	0.335	13.74%	73.635	14.57%
+2	23.70%	18750	24.91%	0.336	22.23%	74.057	23.62%
+1	17.17%	17970	17.29%	0.356	17.06%	75.054	17.34%
+0.71	5.42%	16630	5.05%	0.333	5.04%	75.594	5.51%
+0.5	5.52%	15480	4.79%	0.352	5.42%	75.683	5.62%
+0.425	2.13%	15250	1.82%	0.359	2.13%	75.663	2.17%
+0.355	1.21%	14420	0.98%	0.521	1.76%	75.350	1.23%
+0.25	3.38%	13800	2.62%	0.380	3.59%	75.756	3.45%
+0.15	3.58%	13420	2.69%	0.395	3.95%	75.440	3.63%
+0.125	0.95%	12160	0.65%	0.403	1.07%	75.227	0.96%
+0.106	0.58%	12000	0.39%	0.413	0.67%	75.295	0.59%
+0.09	0.91%	11660	0.59%	0.416	1.06%	75.324	0.92%
+0.063	1.09%	10780	0.66%	0.412	1.25%	75.388	1.10%
+0.045	0.72%	11330	0.46%	0.437	0.88%	75.379	0.73%
+0.038	0.40%	10740	0.24%	0.457	0.51%	75.001	0.41%
-0.038	1.94%	10470	1.14%	0.854	4.61%	73.184	1.91%
Calculated Head	100.00%	17844	100.00%	0.358	100.00%	74.304	100.00%

- MO17DD001 Comp reported 60.63% of the Li_2O to the combined +2mm fraction at a grade of 19673ppm and mass yield of 54.99%

MO17DD002 Comp Size by Analysis							
PRODUCT	Yield	Li2O		Fe2O3		SiO2	
Size (mm)	%	ppm	dist.	%	dist.	%	dist.
+6.3	0.66%	22340	1.01%	0.416	0.71%	71.778	0.65%
+5.6	1.39%	16320	1.56%	0.408	1.47%	70.882	1.34%
+4.75	1.36%	19410	1.81%	0.316	1.11%	71.704	1.32%
+4	7.22%	16390	8.10%	0.334	6.23%	72.547	7.11%
+3.35	11.09%	17570	13.33%	0.359	10.28%	73.064	11.00%
+2	28.21%	15700	30.31%	0.357	26.00%	73.225	28.04%
+1	17.61%	15060	18.15%	0.387	17.60%	74.158	17.73%
+0.71	6.54%	13690	6.12%	0.354	5.98%	74.649	6.62%
+0.5	5.87%	12800	5.14%	0.377	5.71%	74.741	5.95%
+0.425	2.66%	12270	2.23%	0.400	2.74%	74.779	2.70%
+0.355	1.51%	11920	1.23%	0.424	1.65%	74.483	1.52%
+0.25	3.35%	11310	2.59%	0.425	3.67%	74.747	3.40%
+0.15	4.71%	10740	3.46%	0.444	5.40%	74.724	4.78%
+0.125	1.04%	10280	0.73%	0.458	1.23%	74.426	1.05%
+0.106	0.90%	9780	0.61%	0.443	1.03%	74.489	0.91%
+0.09	0.93%	9210	0.58%	0.446	1.07%	74.628	0.94%
+0.063	1.46%	9370	0.94%	0.455	1.72%	74.684	1.48%
+0.045	0.82%	8930	0.50%	0.481	1.02%	74.622	0.83%
+0.038	0.44%	8480	0.25%	0.539	0.61%	74.279	0.44%
-0.038	2.22%	8910	1.35%	0.833	4.77%	72.617	2.19%
Calculated Head	100.00%	14617	100.00%	0.387	100.00%	73.684	100.00%

- MO17DD002 Comp reported 56.11% of the Li_2O to the combined +2mm fraction at a grade of 16422ppm and mass yield of 49.94%
- Composites were split into two charges and were tested via Flowsheet A and Flowsheet B as detailed below

Flow Sheet A

- The two (2) composites were each stage crushed via jaw and rolls crusher to P_{100} 3.35mm, with a size by analysis conducted and detailed in the tables below:

MO17DD001 Comp P100 3.35mm Size by Analysis							
PRODUCT	Yield	Li2O		Fe2O3		SiO2	
Size (mm)	%	ppm	dist.	%	dist.	%	dist.
+3.35	3.28%	18090	3.41%	0.343	2.99%	74.099	3.26%
+2	37.45%	18920	40.72%	0.335	33.34%	74.315	37.30%
+1	25.67%	18390	27.12%	0.355	24.21%	74.672	25.69%
+0.71	7.55%	17780	7.72%	0.357	7.17%	75.175	7.61%
+0.5	6.43%	16360	6.05%	0.374	6.39%	75.216	6.48%
+0.425	2.20%	16150	2.04%	0.427	2.49%	75.092	2.21%
+0.355	2.15%	15000	1.85%	0.383	2.19%	75.484	2.18%
+0.25	2.83%	14600	2.37%	0.376	2.83%	75.576	2.86%
+0.15	3.96%	13250	3.02%	0.394	4.15%	75.183	3.99%
+0.125	1.55%	13240	1.18%	0.429	1.77%	74.877	1.56%
+0.106	0.73%	11330	0.47%	0.447	0.86%	74.744	0.73%
+0.09	1.04%	11930	0.71%	0.436	1.20%	74.923	1.04%
+0.063	1.38%	11640	0.93%	0.438	1.61%	74.830	1.39%
+0.045	1.06%	11160	0.68%	0.487	1.37%	74.901	1.06%
+0.038	0.51%	10910	0.32%	0.543	0.74%	74.372	0.51%
-0.038	2.21%	11120	1.41%	1.141	6.70%	72.022	2.13%
Calculated Head	100.00%	17402	100.00%	0.376	100.00%	74.616	100.00%

- MO17DD001 Comp reported 44.13% of the Li_2O to the combined +2mm fraction at a grade of 18853ppm and mass yield of 40.74%.

MO17DD002 Comp P100 3.35mm Size by Analysis							
PRODUCT	Yield	Li2O		Fe2O3		SiO2	
Size (mm)	%	ppm	dist.	%	dist.	%	dist.
+3.35	4.05%	14060	4.00%	0.446	4.64%	73.626	4.04%
+2	34.26%	16330	39.28%	0.347	30.54%	73.075	33.93%
+1	25.68%	14680	26.47%	0.344	22.70%	74.033	25.77%
+0.71	8.52%	14280	8.54%	0.375	8.21%	74.291	8.58%
+0.5	5.76%	13010	5.26%	0.395	5.84%	74.642	5.82%
+0.425	1.84%	12400	1.60%	0.403	1.90%	74.718	1.86%
+0.355	3.02%	12470	2.65%	0.419	3.25%	74.667	3.06%
+0.25	3.73%	11510	3.02%	0.438	4.20%	74.747	3.78%
+0.15	4.42%	10710	3.32%	0.458	5.20%	74.425	4.46%
+0.125	1.61%	10290	1.16%	0.498	2.06%	74.293	1.62%
+0.106	0.88%	9740	0.60%	0.589	1.33%	74.008	0.88%
+0.09	0.85%	9820	0.58%	0.582	1.27%	74.042	0.85%
+0.063	1.52%	9340	0.99%	0.465	1.81%	74.271	1.53%
+0.045	1.08%	9080	0.69%	0.488	1.35%	74.162	1.08%
+0.038	0.39%	9140	0.25%	0.532	0.53%	74.005	0.39%
-0.038	2.40%	9370	1.58%	0.837	5.17%	72.184	2.35%
Calculated Head	100.00%	14242	100.00%	0.389	100.00%	73.786	100.00%

- MO17DD002 Comp reported 43.28% of the Li_2O to the combined +2mm fraction at a grade of 16090ppm and mass yield of 38.31%

- Both composites were wet screened at 0.5mm. Analysis results and mass deportments are detailed in the tables below:

MO17DD001 Comp P100 3.35mm Wet Screening							
PRODUCT	Yield	Li2O		Fe2O3		SiO2	
Size (mm)	%	ppm	dist.	%	dist.	%	dist.
+0.5	80.28%	18540	85.05%	0.338	76.20%	74.639	80.23%
-0.5	19.72%	13270	14.95%	0.430	23.80%	74.917	19.77%
Calculated Head	100.00%	17501	100.00%	0.356	100.00%	74.694	100.00%

MO17DD002 Comp P100 3.35mm Wet Screening							
PRODUCT	Yield	Li2O		Fe2O3		SiO2	
Size (mm)	%	ppm	dist.	%	dist.	%	dist.
+0.5	77.85%	14790	82.84%	0.348	72.50%	73.521	77.67%
-0.5	22.15%	10770	17.16%	0.464	27.50%	74.291	22.33%
Calculated Head	100.00%	13900	100.00%	0.374	100.00%	73.692	100.00%

- MO17DD001 Comp showed 85.05% of the Li_2O reported to the +0.5mm fraction at a grade of 18540ppm and mass yield of 80.28%
- MO17DD002 Comp showed 82.84% of the Li_2O reported to the +0.5mm fraction at a grade of 14790ppm and mass yield of 77.85%

- The +0.5mm fractions from each composite were processed in a Batch Reflux Classifier, aiming to reject micaceous material into an overlfow stream whilst concentrating Li_2O in the underflow stream (Remains). Each flow was mica picked post processing to determine approximate quantities of mica within each stream. Mass deportments and grades are shown in the tables below.

MO17DD001 Comp P100 3.35mm +0.5mm Batch Reflux Classifier									
PRODUCT	Yield	Li2O		Fe2O3		SiO2		Mica	
Batch RC	%	ppm	dist.	%	dist.	%	dist.	%	dist.
Flow 1	0.00%	7590	0.00%	2.269	0.03%	60.573	0.00%	87.410	0.13%
Flow 2	0.04%	7590	0.01%	2.269	0.26%	60.573	0.03%	87.410	1.19%
Flow 3	0.21%	6620	0.07%	1.528	0.97%	65.960	0.18%	50.500	3.87%
Flow 4	0.79%	5190	0.21%	0.810	1.95%	73.878	0.78%	19.560	5.66%
Flow 5	2.27%	5410	0.62%	0.401	2.78%	76.544	2.34%	11.620	9.69%
Flow 6	2.48%	6870	0.86%	0.324	2.45%	76.844	2.57%	9.050	8.25%
Flow 7	4.55%	8940	2.05%	0.297	4.13%	76.659	4.71%	8.960	15.02%
Flow 8	3.23%	11360	1.84%	0.285	2.81%	76.235	3.32%	7.260	8.62%
Flow 9	4.80%	12160	2.93%	0.282	4.13%	76.071	4.92%	6.510	11.49%
Remains	80.81%	22110	89.89%	0.320	79.04%	73.762	80.36%	1.190	35.40%
Residue	0.84%	35820	1.52%	0.563	1.45%	69.639	0.79%	2.190	0.68%
Calculated Head	100.00%	19875	100.00%	0.327	100.00%	74.168	100.00%	2.716	100.00%

MO17DD002 Comp P100 3.35mm +0.5mm Batch Reflux Classifier									
PRODUCT	Yield	Li2O		Fe2O3		SiO2		Mica	
Batch RC	%	ppm	dist.	%	dist.	%	dist.	%	dist.
Flow 1	0.00%	6870	0.00%	2.050	0.03%	60.666	0.00%	92.570	0.21%
Flow 2	0.02%	6870	0.01%	2.050	0.13%	60.666	0.02%	92.570	1.03%
Flow 3	0.12%	6610	0.05%	1.729	0.59%	62.074	0.11%	61.830	3.67%
Flow 4	0.64%	4610	0.18%	0.914	1.59%	70.568	0.61%	26.190	7.98%
Flow 5	2.47%	4250	0.65%	0.456	3.06%	74.675	2.50%	8.530	9.99%
Flow 6	2.92%	4950	0.89%	0.360	2.86%	75.316	2.99%	6.240	8.66%
Flow 7	4.05%	6630	1.66%	0.323	3.56%	75.471	4.14%	4.480	8.62%
Flow 8	4.75%	8680	2.55%	0.294	3.80%	75.204	4.85%	4.360	9.85%
Flow 9	5.38%	10170	3.37%	0.293	4.29%	74.980	5.47%	2.090	5.34%
Remains	79.12%	18370	89.71%	0.368	79.21%	73.399	78.81%	1.160	43.62%
Residue	0.52%	28620	0.93%	0.620	0.89%	69.928	0.50%	4.130	1.03%
Calculated Head	100.00%	16201	100.00%	0.368	100.00%	73.687	100.00%	2.104	100.00%

- MO17DD001 Comp reported 89.89% of the Li_2O to the remains fraction at a grade of 22110ppm and mass yield of 80.81%. 35.40% of the toal Mica reported to the remains fraction.
- MO17DD002 Comp reported 89.71% of the Li_2O to the remains fraction at a grade of 18370ppm and mass yield of 79.12%. 45.62% of the Mica reported to the remains fraction
- The Batch Reflux Classifier remains from each were then processed via Dense Media Separation (DMS) at an SG of 2.7 and 2.95. Mass deportments and grades are shown in the tables below.

MO17DD001 Comp P100 3.35mm +0.5mm Batch RC Remains Dense Media Separation (DMS100)							
PRODUCT	Yield	Li2O		Fe2O3		SiO2	
DMS100	%	ppm	dist.	%	dist.	%	dist.
SG 2.95 Underflow	24.09%	63120	73.34%	0.41	29.69%	66.20	21.58%
SG 2.95 Overflow	33.66%	14740	23.93%	0.49	49.33%	76.30	34.75%
SG 2.7 Overflow	42.25%	1340	2.73%	0.17	20.98%	76.40	43.67%
Calculated Head	100.00%	20735	100.00%	0.33	100.00%	73.91	100.00%

MO17DD002 Comp P100 3.35mm +0.5mm Batch RC Remains Dense Media Separation (DMS100)							
PRODUCT	Yield	Li2O		Fe2O3		SiO2	
DMS100	%	ppm	dist.	%	dist.	%	dist.
SG 2.95 Underflow	17.85%	63490	66.44%	0.48	22.84%	66.74	16.22%
SG 2.95 Overflow	34.65%	14410	29.27%	0.58	53.98%	74.96	35.36%
SG 2.7 Overflow	47.50%	1540	4.29%	0.18	23.18%	74.90	48.43%
Calculated Head	100.00%	17059	100.00%	0.37	100.00%	73.47	100.00%

- MO17DD001 Comp reported 73.34% of the Li_2O to the SG 2.95 Underflow fraction at a grade of 63120ppm and mass yield of 24.09%
- MO17DD002 Comp reported 66.44% of the Li_2O to the SG 2.95 Underflow fraction at a grade of 63490ppm and mass yield of 17.85%

- Magnetic Characterisation testing was conducted via Rapid Disc Magnet on the SG2.95 Underflow fraction. Mass deportments and grades are shown in the tables below.

MO17DD001 Comp P100 3.35mm +0.5mm Batch RC Remains DMS100 SG 2.95 UF Magnetic Characterisation							
PRODUCT	Yield	Li2O		Fe2O3		SiO2	
Fraction	%	ppm	dist.	%	dist.	%	dist.
9000G Magnetic 1	0.54%	45620	0.39%	11.711	16.09%	30.609	0.25%
9000G Magnetic 2	0.01%	30210	0.01%	6.941	0.22%	44.479	0.01%
10400G Magnetic 3	0.08%	30210	0.04%	6.941	1.34%	44.479	0.05%
Non Magnetic	99.37%	63630	99.57%	0.327	82.35%	66.908	99.69%
Calculated Head	100.00%	63503	100.00%	0.395	100.00%	66.691	100.00%

MO17DD002 Comp P100 3.35mm +0.5mm Batch RC Remains DMS100 SG 2.95 UF Magnetic Characterisation							
PRODUCT	Yield	Li2O		Fe2O3		SiO2	
Fraction	%	ppm	dist.	%	dist.	%	dist.
8300G Magnetic 1	0.58%	57500	0.52%	8.542	10.43%	40.761	0.35%
8300G Magnetic 2	0.02%	38980	0.01%	7.248	0.33%	48.747	0.02%
9300G Magnetic 3	0.32%	38980	0.20%	7.248	4.95%	48.747	0.24%
Non Magnetic	99.08%	63390	99.26%	0.401	84.28%	66.696	99.39%
Calculated Head	100.00%	63272	100.00%	0.471	100.00%	66.485	100.00%

- MO17DD001 Comp reported 99.57% of the Li_2O to the 10,400G Non Magnetic fraction at a grade of 63630ppm and mass yield of 99.37%. 17.65% of the Fe was rejected to the combined Magnetic Fraction at a grade of 11.04%
- MO17DD002 Comp reported 99.26% of the Li_2O to the 9,300G Non Magnetic fraction at a grade of 63390ppm and mass yield of 99.08%. 15.72% of the Fe was rejected to the combined Magnetic Fraction at a grade of 8.06%

- The -0.5mm fractions of each sample were deslimed in a cyclone and then combined with the DMS SG 2.95 OF fraction to create a Flotation Feed composite. The Flotation Feed composite was stage crushed via rolls crusher to P_{100} 1mm. The flotation Feed Composite grades are shown in the tables below

MO17DD001 Comp FS A Float Feed Comp							
PRODUCT	Yield	Li2O		Fe2O3		SiO2	
Fraction	%	ppm	dist.	%	dist.	%	dist.
+0.5mm Batch RC Remains DMS100 SG 2.95 Overflow	52.98%	14740	55.36%	0.490	53.28%	76.300	53.31%
-0.5mm Cyclone Underflow	47.02%	13390	44.64%	0.484	46.72%	75.284	46.69%
Calculated Head	100.00%	14105	100.00%	0.487	100.00%	75.822	100.00%

MO17DD002 Comp FS A Float Feed Comp							
PRODUCT	Yield	Li2O		Fe2O3		SiO2	
Fraction	%	ppm	dist.	%	dist.	%	dist.
+0.5mm Batch RC Remains DMS100 SG 2.95 Overflow	49.46%	14410	56.68%	0.581	54.80%	74.964	49.62%
-0.5mm Cyclone Underflow	50.54%	10780	43.32%	0.469	45.20%	74.486	50.38%
Calculated Head	100.00%	12575	100.00%	0.524	100.00%	74.722	100.00%

- Four charges of each Flotation Feed Composite were ground to P_{80} 0.180 and P_{80} 0.106mm respecitively. Each charge underwent flotation testing including a rougher, cleaner and recleaner stage. Each flotation test utilised Na_2SiO_3 and either Flotinor 7801 or Oleic Acid. All tests were initially adjusted to pH of 8 with Soda Ash. A flotation test summary table showing metal deportments and mass yields is shown below.

MO17DD001 - Sighter Flotation Test Summary								
			Li_2O		Fe_2O_3		SiO_2	
Test #	Description	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Test 1	P80 0.18mm - Flotinor 7801	22.47%	51212	81.49%	1.621	55.14%	63.960	18.92%
Test 2	P80 0.18mm - Oleic Acid	24.92%	47872	87.68%	1.560	58.52%	64.913	21.35%
Test 3	P80 0.106mm - Flotinor 7801	25.11%	47904	85.37%	2.560	69.80%	62.930	20.93%
Test 4	P80 0.106mm - Oleic Acid	29.00%	44571	90.08%	2.463	74.87%	63.509	24.48%

MO17DD002 - Sighter Flotation Test Summary								
			Li_2O		Fe_2O_3		SiO_2	
Test #	Description	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Test 5	P80 0.18mm - Flotinor 7801	15.91%	51538	64.18%	2.151	49.32%	60.779	12.96%
Test 6	P80 0.18mm - Oleic Acid	21.30%	45093	75.66%	1.872	57.59%	62.834	17.94%
Test 7	P80 0.106mm - Flotinor 7801	23.06%	43545	79.57%	2.722	67.26%	62.364	19.29%
Test 8	P80 0.106mm - Oleic Acid	31.59%	36662	90.05%	2.384	78.55%	64.596	27.46%

- The MO17DD001 Flotation Feed Composite had the highest Li_2O recovery in Test 4. 90.08% of the Li_2O was recovered to the combined concentrate fraction at a grade of 44571 ppm and mass yield of 29.00%. 74.87% of the Fe_2O_3 was recovered to the combined concentrate fraction at a grade of 2.46%.
- The MO17DD001 Flotation Feed Composite had the highest Li_2O grade in Test 1. 81.49% of the Li_2 O was recovered to the combined concentrate fraction at a grade of 51212 ppm and mass yield of 22.47%. 55.14% of the Fe_2O_3 was recovered to the combined concentrate fraction at a grade of 1.62%.
- The MO17DD002 Flotation Feed Composite had the highest Li_2O recovery in Test 8. 90.05% of the Li_2O was recovered to the combined concentrate fraction at a grade of 36662 ppm and mass yield of 31.59%. 78.55% of the Fe_2O_3 was recovered to the combined concentrate fraction at a grade of 2.38%.
- The MO17DD002 Flotation Feed Composite had the highest Li_2O grade in Test 5. 64.18% of the Li_2 O was recovered to the combined concentrate fraction at a grade of 51538 ppm and mass yield of 15.91%. 49.32% of the Fe_2O_3 was recovered to the combined concentrate fraction at a grade of 2.15%.

.

- A circuit summary for MO17DD001 was constructed using the SG 2.95 Underflow and Test 2 Recleaner Concentrates 1, 2 and 3. Mass deportments and grades are shown in the table below.

MO17DD001 Comp Flowsheet A Circuit Summary

PRODUCT	Yield	Li2O		Fe2O3		SiO2		Na2O		K2O	
Fraction	%	ppm	dist.	%	dist.	%	dist.	%	dist.	%	dist.
Concentrate	25.33%	58225	84.33%	0.868	48.94%	65.519	22.30%	0.850	6.60%	0.809	7.55%
Tailing	74.67%	3671	15.67%	0.307	51.06%	77.443	77.70%	4.083	93.40%	3.361	92.45%
Calculated Head	100.00%	17491	100.00%	0.449	100.00%	74.423	100.00%	3.264	100.00%	2.715	100.00%

- A combined concentrate grade of 58225ppm Li_2O with a recovery of 84.33% was obtained at a mass yield of 25.33% with the slected circuit summary units
- A circuit summary for MO17DD002 was constructed using the SG 2.95 Underflow and Test 6 Recleaner Concentrates 1, 2 and 3. Mass deportments and grades are shown in the table below.

MO17DD002 Comp Flowsheet A Circuit Summary

PRODUCT	Yield	Li2O		Fe2O3		SiO2		Na2O		K2O	
Fraction	%	ppm	dist.	%	dist.	%	dist.	%	dist.	%	dist.
Concentrate	19.10%	57827	77.56%	1.126	45.63%	64.495	16.69%	0.904	4.58%	0.986	6.17%
Tailing	80.90%	3950	22.44%	0.317	54.37%	76.027	83.31%	4.448	95.42%	3.541	93.83%
Calculated Head	100.00%	14240	100.00%	0.471	100.00%	73.825	100.00%	3.772	100.00%	3.053	100.00%

- A combined concentrate grade of 57827ppm Li_2O with a recovery of 77.56% was obtained at a mass yield of 19.10% with the selected circuit summary units

- A Sighter Wet table was conducted on the MO17DD001 P_{100} 1mm cyclone underflow. Mass deportments and grades are shown in the table below.

MO17DD001 Comp Wet Table

PRODUCT	Yield	Li2O		Fe2O3		SiO2		SnO2		Ta2O5	
Fraction	%	ppm	dist.	%	dist.	%	dist.	%	dist.	%	dist.
Cut 1	2.58%	37350	5.24%	0.854	5.80%	68.054	2.35%	2.655	51.10%	0.055	49.59%
Cut 2	10.07%	35220	19.25%	0.435	11.50%	71.711	9.65%	0.341	25.56%	0.005	17.56%
Cut 3	18.89%	23630	24.24%	0.313	15.53%	74.714	18.87%	0.056	7.88%	<0.01	0.00%
Cut 4	21.05%	16330	18.66%	0.311	17.20%	75.914	21.37%	0.026	4.08%	0.002	14.69%
Cut 5	15.66%	14380	12.23%	0.297	12.22%	76.049	15.92%	0.023	2.68%	<0.01	0.00%
Cut 6	12.88%	14530	10.16%	0.406	13.74%	74.775	12.88%	0.030	2.88%	0.002	8.99%
Cut 7	5.71%	9870	3.06%	0.279	4.18%	77.116	5.88%	0.022	0.93%	<0.01	0.00%
Cut 8	0.01%	9870	0.00%	0.279	0.01%	77.116	0.01%	0.022	0.00%	<0.01	0.00%
Slimes	13.14%	10040	7.16%	0.574	19.82%	74.316	13.06%	0.050	4.89%	0.002	9.17%
Calculated Head	100.00%	18421	100.00%	0.381	100.00%	74.794	100.00%	0.134	100.00%	0.003	100.00%

- 67.15% and 76.66% of the Ta_2O_5 and SnO_2 respectively were recovered to the combined Cut 1 and 2 fractions at grades of 0.015% and 0.814%, respectively and a mass yeild of 12.65%.
- 24.49% of the Lithium reported to the combined Cut 1 and Cut 2 fractions at a grade of 35655ppm

Flow Sheet B

- The two (2) composites were crushed to P_{100} 1mm and deslimed in a cyclone. The cyclone underflow was split and four charges of each were ground to P_{80} 0.180 and P_{80} 0.106mm respecitively.
- Each charge underwent flotation testing including a rougher, cleaner and recleaner stage. Each flotation test utilised Na_2SiO_3 and either Flotinor 7801 or Oleic Acid. All tests were initially adjusted to pH of 8 with Soda Ash. A flotation test summary table showing metal deportments and mass yields is shown below.

MO17DD001 - Sighter Flotation Test Summary

			Li_2O		Fe_2O_3		SiO_2	
Test #	Description	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Test 9	P80 0.18mm - Flotinor 7801	29.63%	53221	85.23%	1.382	63.16%	64.712	25.83%
Test 10	P80 0.18mm - Oleic Acid	29.13%	58001	93.85%	1.374	63.25%	62.993	24.71%
Test 11	P80 0.106mm - Flotinor 7801	40.88%	41411	94.68%	1.623	75.95%	68.254	37.64%
Test 12	P80 0.106mm - Oleic Acid	36.44%	46785	95.32%	1.961	80.22%	65.817	32.45%

MO17DD002 - Sighter Flotation Test Summary

			Li_2O		Fe_2O_3		SiO_2	
Test #	Description	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Test 13	P80 0.18mm - Flotinor 7801	25.52%	48474	89.46%	1.349	58.99%	65.263	22.53%
Test 14	P80 0.18mm - Oleic Acid	23.55%	53895	88.52%	1.514	58.52%	63.080	20.18%
Test 15	P80 0.106mm - Flotinor 7801	46.25%	29423	95.33%	1.398	76.79%	69.583	43.73%
Test 16	P80 0.106mm - Oleic Acid	32.19%	42594	94.72%	2.024	77.47%	65.277	28.71%

- The MO17DD001 Flotation Feed had the highest Li_2O recovery in Test 12. 95.32% of the Li_2O was recovered to the combined concentrate fraction at a grade of 46785 ppm and mass yield of 36.44%. 80.22% of the Fe_2O_3 was recovered to the combined concentrate fraction at a grade of 1.96%.

- The MO17DD001 Flotation Feed had the highest Li_2O grade in Test 10. 93.85% of the Li_2O was recovered to the combined concentrate fraction at a grade of 58001 ppm and mass yield of 29.13%. 63.25% of the Fe_2O_3 was recovered to the combined concentrate fraction at a grade of 1.37%.

- The MO17DD002 Flotation Feed had the highest Li_2O recovery in Test 15. 95.33% of the Li_2O was recovered to the combined concentrate fraction at a grade of 29423 ppm and mass yield of 46.25%. 76.79% of the Fe_2O_3 was recovered to the combined concentrate fraction at a grade of 1.40%.

- The MO17DD002 Flotation Feed had the highest Li_2O grade in Test 14. 88.52% of the Li_2O was recovered to the combined concentrate fraction at a grade of 53895 ppm and mass yield of 23.55%. 58.52% of the Fe_2O_3 was recovered to the combined concentrate fraction at a grade of 1.51%.

- A circuit summary for MO17DD001 was constructed using the Test 10 Recleaner Concentrates 1, 2 , 3 and 4. Mass deportments and grades are shown in the table below.

MO17DD001 Comp Flowsheet B Circuit Summary

PRODUCT	Yield	Li2O		Fe2O3		SiO2		Na2O		K2O	
Fraction	%	ppm	dist.	%	dist.	%	dist.	%	dist.	%	dist.
Concentrate	28.76%	58001	93.04%	1.374	60.41%	62.993	24.45%	0.940	8.44%	1.162	12.69%
Tailing	71.24%	1752	6.96%	0.364	39.59%	78.584	75.55%	4.116	91.56%	3.227	87.31%
Calculated Head	100.00%	17931	100.00%	0.654	100.00%	74.100	100.00%	3.202	100.00%	2.633	100.00%

- A combined concentrate grade of 58001ppm Li_2O with a recovery of 93.04% was obtained at a mass yield of 28.76% with the selected circuit summary units
- A circuit summary for MO17DD002 was constructed using the Test 14 Recleaner Concentrate 1. Mass deportments and grades are shown in the table below.

MO17DD002 Comp Flowsheet B Circuit Summary

PRODUCT	Yield	Li2O		Fe2O3		SiO2		Na2O		K2O	
Fraction	%	ppm	dist.	%	dist.	%	dist.	%	dist.	%	dist.
Concentrate	14.25%	59050	58.85%	1.544	35.25%	62.147	12.05%	0.798	3.14%	1.021	4.78%
Tailing	85.75%	6863	41.15%	0.471	64.75%	75.404	87.95%	4.087	96.86%	3.381	95.22%
Calculated Head	100.00%	14301	100.00%	0.624	100.00%	73.515	100.00%	3.618	100.00%	3.045	100.00%

- A combined concentrate grade of 59050ppm Li_2O with a recovery of 58.85% was obtained at a mass yield of 14.25% with the selected circuit summary units.

Conclusion and Recommendations:

Flowsheet A

- The testwork program identified that both MO17DD001 and MO17DD002 were amenable to Density Separation with successful Silica rejection into a SG 2.7 Overflow stream. MO17DD001 Comp displayed 73.34% of the Li_2O reported to the SG 2.95 Underflow fraction at a grade of 63120ppm and mass yield of 24.09%. MO17DD002 Comp displayed 66.44% of the Li_2O reported to the SG 2.95 Underflow fraction at a grade of 63490ppm and mass yield of 17.85%

- The testwork program identified that both MO17DD001 and MO17DD002 were amenable to flotation with only a cyclone deslime separation stage upfront to reject silicates and fines. The highest flotation Li_2O grade was achieved where the grind size was P_{80} 0.18mm and Flotinor 7801 was used. Test 1 reported 81.49% of the Li_2O was recovered to the combined concentrate fraction at a grade of 51212ppm and mass yield of 22.47%. Test 5 reported 64.18% of the Li_2O was recovered to the combined concentrate fraction at a grade of 51538ppm and mass yield of 15.91%.

Flowsheet B

- The MO17DD001 Flotation Feed had the highest Li_2O grade in Test 10. 93.85% of the Li_2O was recovered to the combined concentrate fraction at a grade of 58001ppm and mass yield of 29.13%. 63.25% of the Fe_2O_3 was recovered to the combined concentrate fraction at a grade of 1.37%.
- The MO17DD002 Flotation Feed had the highest Li_2O grade in Test 14. 88.52% of the Li_2O was recovered to the combined concentrate fraction at a grade of 53895ppm and mass yield of 23.55%. 58.52% of the Fe_2O_3 was recovered to the combined concentrate fraction at a grade of 1.51%.

Flowsheet Comparison

- Flowsheet A (processing via Batch Refulx, DMS and flotation) was tested and compared against Flowsheet B (processing a whole of ore via cyclone deslime and flotation) to evaluate potential Li_2 O recoveries and grades. MO17DD001 had the highest circuit grade and recovery via flowsheet B with a combined concentrate grade of Li_2O of 58001ppm with a recovery of 93.04% and mass yield of 28.76% with the selected circuit summary units. MO17DD002 had the highest circuit grade via flowsheet B with a combined concentrate grade of Li2O of 59050ppm with a recovery of 58.85% and mass yield of 14.25% with the selected circuit summary units

Mineral Processing - Metallurgical Testing - Circuitry Design - Equipment Supply

Drill Hole ID	From	To	Sample ID	A (WET) Mass	B (DRY) Mass	Composite ID	Composite Mass
	m	m		kg	kg		kg
MO17DD001	35.00	36	28534	5.304	0.964		
MO17DD001	39.00	40	28540	3.416	0.951		
MO17DD001	44.00	45	28545	2.414	0.981		
MO17DD001	49.00	50	28551	2.400	0.951		
MO17DD001	53.50	55	28556	2.569	0.964		
MO17DD001	57.00	58	28560	2.220	0.951		
MO17DD001	62.00	63	28566	2.146	0.966		
MO17DD001	67.00	68	28571	2.889	0.956		
MO17DD001	72.00	73	28576	1.652	0.949		
MO17DD001	77.00	78	28582	2.372	0.938		
MO17DD001	82.00	83	28587	2.501	0.949		
MO17DD001	87.00	88	28592	2.498	0.946		
MO17DD001	92.00	93	28598	2.294	0.949		
MO17DD001	97.00	98	28604	2.068	0.956		
MO17DD001	102.00	103	28609	2.911	0.958		
MO17DD001	107.00	108	28615	2.710	0.997		
MO17DD001	112.00	113	28620	1.393	0.991		
MO17DD001	117.00	118	28625	2.673	0.952		
MO17DD001	122.00	123	28631	2.889	0.989		
MO17DD001	127.00	128	28636	2.476	0.966		
MO17DD001	131.00	132	28641	2.634	0.996		
MO17DD001	136.00	137	28646	2.445	0.993		
MO17DD001	141.00	142	28652	2.149	0.956	MO17DD001 Comp	151
MO17DD001	146.00	147	28657	2.257	0.941		
MO17DD001	151.00	152	28663	2.362	0.950		
MO17DD001	156.00	157	28669	2.463	0.977		
MO17DD001	161.00	162	28674	2.559	0.957		
MO17DD001	166.00	167	28679	0.970	0.961		
MO17DD001			28684	4.011	0.000		
MO17DD001	176.00	177	28690	2.835	0.950		
MO17DD001	181.00	182	28695	2.981	0.952		
MO17DD001	186.00	187	28701	3.515	0.954		
MO17DD001	191.00	192	28706	0.849	0.946		

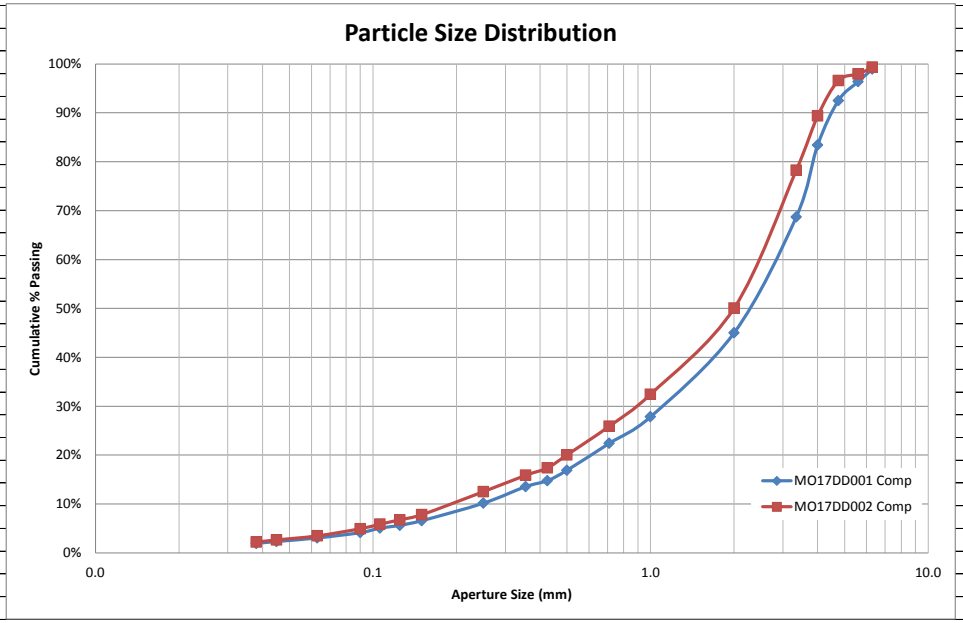
Drill Hole ID	From (m)	To (m)	Sample ID	A (WET) Mass (kg)	B (DRY) Mass (kg)	Composite ID	Composite Mass (kg)
MO17DD001	196.00	197	28712	1.923	0.934		
MO17DD001			28715	3.834	0.000		
MO17DD001			28726	3.548	0.000		
MO17DD001	216.00	217	28734	2.484	0.934		
MO17DD001	221.00	222	28740	2.815	0.932		
MO17DD001	226.00	227	28745	2.385	0.944		
MO17DD001	231.00	232	28751	2.507	0.942		
MO17DD001	236.00	237	28756	2.731	0.940		
MO17DD001	241.00	242	28762	2.802	0.943		
MO17DD001	246.00	247	28767	2.809	0.963		
MO17DD001	251.00	252	28773	2.751	0.949		
MO17DD001	261.00	262	28783	2.312	0.939		
MO17DD002	78.00	79	28846	2.277	0.943		
MO17DD002	83.00	84	28852	0.210	0.969		
MO17DD002	88.00	89	28857	2.057	0.990		
MO17DD002	93.00	94	28862	0.354	0.959		
MO17DD002	98.00	99	28868	2.276	0.942		
MO17DD002	103.00	104	28874	2.131	0.972		
MO17DD002	108.00	109	28879	2.059	0.977		
MO17DD002	113.00	114	28885	2.396	0.961		
MO17DD002	118.00	119	28890	2.101	0.924		
MO17DD002	123.00	124	28896	1.874	0.995		
MO17DD002	128.00	129	28901	1.901	0.976		
MO17DD002			28908	3.071	0.000		
MO17DD002	138.00	139	28912	0.610	0.952		
MO17DD002	143.00	144	28918	1.742	0.943		
MO17DD002	148.00	149	28923	2.406	0.997		
MO17DD002	153.00	154	28929	2.360	0.977		
MO17DD002	158.00	159	28935	2.204	0.949		
MO17DD002	163.00	164	28940	2.465	0.929		
MO17DD002	168.00	169	28946	2.682	0.962	MO17DD002 Comp	111
MO17DD002	173.00	174	28951	2.357	0.977		

Drill Hole ID	From	To	Sample ID	A (WET) Mass	B (DRY) Mass	Composite ID	Composite Mass
	m	m		kg	kg		kg
MO17DD002	178.00	179	28957	2.281	0.972		
MO17DD002			28964	3.527	0.000		
MO17DD002	188.00	189	28968	2.181	0.957		
MO17DD002	193.00	194	28974	2.009	0.951		
MO17DD002	198.00	199	28979	1.358	0.998		
MO17DD002	203.00	204	28985	1.330	0.991		
MO17DD002	208.00	209	28990	2.038	1.000		
MO17DD002	213.00	214	28996	2.097	0.971		
MO17DD002	218.00	219	29001	1.786	0.943		
MO17DD002	223.00	224	29007	2.078	0.937		
MO17DD002	228.00	229	29012	2.569	0.987		
MO17DD002	233.00	234	29018	2.749	0.994		
MO17DD002	238.00	239	29023	1.944	0.949		
MO17DD002	243.00	244	29028	2.034	0.942		
MO17DD002	248.00	249	29034	2.721	0.969		
MO17DD002	253.00	254	29039	2.763	0.994		
MO17DD002	258.00	259	29045	2.814	0.949		
MO17DD002	263.00	264	29050	2.926	0.952		

Sample ID	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%
MO17DD001 Comp	151	17620	0.953	16.050	74.305	<0.001	0.089	0.004	0.112	0.126	0.007	0.009	3.244	0.001	0.185	0.023	2.634	796	0.43
MO17DD002 Comp	111	13970	0.902	16.006	73.589	0.002	0.092	0.004	0.129	0.101	0.005	0.011	3.817	0.002	0.188	0.020	2.959	823	0.42

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment			
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2
MO17DD001 Comp																							
Assay Head		17620	0.953	16.050	74.305	<0.001	0.089	0.004	0.112	0.126	0.007	0.009	3.244	0.001	0.185	0.023	2.634	796	0.43				
MO17DD001 Comp Size by Analysis																							
Calc. Head	1.104	17844	0.358	16.177	74.304	0.002	0.086	0.003	0.116	0.120	0.004	0.009	3.221	0.002	0.173	0.014	2.797	821	0.53	100.00%	100.00%	100.00%	100.00%
Size (mm)																							
+6.3	0.012	12660	0.459	17.826	70.690	0.005	0.079	0.001	0.116	0.105	0.004	0.012	4.135	0.004	0.153	<0.001	4.151	1078	0.63	1.05%	0.75%	1.35%	1.00%
+5.6	0.028	27240	0.358	18.810	71.400	0.002	0.059	<0.001	0.070	0.058	0.005	0.009	2.625	0.002	0.122	0.005	2.959	873	0.61	2.55%	3.90%	2.55%	2.45%
+4.75	0.043	20480	0.309	17.287	72.727	0.004	0.057	0.002	0.078	0.056	0.002	0.009	2.960	0.003	0.120	0.029	3.491	989	0.51	3.89%	4.46%	3.35%	3.80%
+4	0.100	21460	0.306	17.150	73.205	0.002	0.079	0.002	0.108	0.126	0.004	0.009	3.045	0.003	0.161	0.051	2.857	817	0.50	9.10%	10.94%	7.77%	8.96%
+3.35	0.162	19030	0.335	16.667	73.635	<0.001	0.084	0.008	0.114	0.130	0.004	0.007	3.152	0.002	0.165	0.032	2.951	876	0.52	14.70%	15.68%	13.74%	14.57%
+2	0.262	18750	0.336	16.421	74.057	0.003	0.102	<0.001	0.129	0.099	0.003	0.008	3.288	0.003	0.161	0.003	2.720	795	0.50	23.70%	24.91%	22.23%	23.62%
+1	0.190	17970	0.356	15.832	75.054	0.002	0.069	<0.001	0.100	0.116	0.002	0.008	3.062	0.002	0.174	<0.001	2.661	793	0.51	17.17%	17.29%	17.06%	17.34%
+0.71	0.060	16630	0.333	15.404	75.594	0.002	0.073	0.001	0.101	0.057	0.004	0.011	3.079	0.002	0.152	<0.001	2.744	809	0.52	5.42%	5.05%	5.04%	5.51%
+0.5	0.061	15480	0.352	15.235	75.683	<0.001	0.078	0.004	0.106	0.140	0.003	0.006	3.140	0.002	0.161	0.006	2.677	786	0.51	5.52%	4.79%	5.42%	5.62%
+0.425	0.024	15250	0.359	15.200	75.663	0.004	0.081	0.005	0.111	0.179	0.004	0.011	3.182	0.002	0.176	0.011	2.671	807	0.58	2.13%	1.82%	2.13%	2.17%
+0.355	0.013	14420	0.521	15.096	75.350	0.003	0.091	0.005	0.124	0.150	0.004	0.007	3.241	0.001	0.189	0.018	2.700	802	0.58	1.21%	0.98%	1.76%	1.23%
+0.25	0.037	13800	0.380	15.072	75.756	<0.001	0.086	0.001	0.118	0.148	0.006	0.009	3.373	<0.001	0.178	0.001	2.697	805	0.56	3.38%	2.62%	3.59%	3.45%
+0.15	0.040	13420	0.395	15.070	75.440	0.002	0.100	0.005	0.140	0.220	0.005	0.015	3.535	0.002	0.215	0.001	2.619	784	0.54	3.58%	2.69%	3.95%	3.63%
+0.125	0.011	12160	0.403	14.993	75.227	0.003	0.107	0.005	0.152	0.171	0.006	0.014	3.765	0.001	0.234	<0.001	2.650	814	0.62	0.95%	0.65%	1.07%	0.96%
+0.106	0.006	12000	0.413	14.846	75.295	0.004	0.111	0.006	0.155	0.216	0.007	0.015	3.865	0.001	0.244	0.002	2.563	798	0.54	0.58%	0.39%	0.67%	0.59%
+0.09	0.010	11660	0.416	14.889	75.324	0.004	0.105	0.007	0.154	0.163	0.008	0.015	3.897	0.002	0.243	0.005	2.616	809	0.61	0.91%	0.59%	1.06%	0.92%
+0.063	0.012	10780	0.412	14.666	75.388	0.004	0.112	0.007	0.164	0.191	0.008	0.018	4.002	0.003	0.263	0.006	2.632	792	0.58	1.09%	0.66%	1.25%	1.10%
+0.045	0.008	11330	0.437	14.720	75.379	0.004	0.125	0.009	0.183	0.201	0.011	0.020	4.034	0.003	0.299	0.022	2.495	719	0.55	0.72%	0.46%	0.88%	0.73%
+0.038	0.004	10740	0.457	14.661	75.001	0.006	0.121	0.013	0.176	0.177	0.013	0.018	4.150	0.002	0.297	0.054	2.552	737	0.72	0.40%	0.24%	0.51%	0.41%
-0.038	0.021	10470	0.854	15.245	73.184	0.020	0.159	0.012	0.219	0.166	0.010	0.024	4.049	0.009	0.398	0.072	2.828	785	1.18	1.94%	1.14%	4.61%	1.91%
MO17DD002 Comp																							
Assay Head		13970	0.902	16.006	73.589	0.002	0.092	0.004	0.129	0.101	0.005	0.011	3.817	0.002	0.188	0.020	2.959	823	0.42				
MO17DD002 Comp Size by Analysis																							
Calc. Head	1.184	14617	0.387	16.296	73.684	0.001	0.084	0.004	0.125	0.091	0.004	0.013	3.760	0.002	0.184	0.016	3.054	798	0.53	100.00%	100.00%	100.00%	100.00%
Size (mm)																							
+6.3	0.008	22340	0.416	18.122	71.778	0.002	0.139	<0.001	0.162	0.027	0.005	0.016	4.244	0.003	0.178	0.031	1.700	478	0.44	0.66%	1.01%	0.71%	0.65%
+5.6	0.017	16320	0.408	17.985	70.882	0.002	0.077	0.018	0.109	0.037	0.007	0.015	3.952	0.004	0.172	0.029	3.669	952	0.67	1.39%	1.56%	1.47%	1.34%
+4.75	0.016	19410	0.316	17.966	71.704	<0.001	0.054	<0.001	0.095	0.111	0.002	0.011	3.839	0.002	0.166	0.003	3.012	751	0.50	1.36%	1.81%	1.11%	1.32%
+4	0.086	16390	0.334	17.245	72.547	0.001	0.075	0.002	0.112	0.090	0.006	0.013	4.032	0.002	0.188	0.014	2.944	740	0.52	7.22%	8.10%	6.23%	7.11%
+3.35	0.131	17570	0.359	16.991	73.064	<0.001	0.072	0.005	0.105	0.033	0.003	0.009	3.514	0.003	0.160	0.018	3.104	817	0.50	11.09%	13.33%	10.28%	11.00%
+2	0.334	15700	0.357	16.661	73.225	<0.001	0.082	0.002	0.128	0.085	0.005	0.016	3.724	0.002	0.195	0.008	3.126	815	0.54	28.21%	30.31%	26.00%	28.04%
+1	0.209	15060	0.387	16.167	74.158	<0.001	0.071	0.004	0.110	0.054	0.002	0.011	3.681	0.001	0.155	0.031	2.940	759	0.45	17.61%	18.15%	17.60%	17.73%
+0.71	0.077	13690	0.354	15.647	74.649	0.003	0.084	0.002	0.114	0.130	0.002	0.009	3.608	0.003	0.154	0.016	3.105	808	0.51	6.54%	6.12%	5.98%	6.62%
+0.5	0.069	12800	0.377	15.512	74.741	0.004	0.085	0.002	0.115	0.112	0.004	0.009	3.613	0.003	0.158	0.014	3.084	812	0.53	5.87%	5.14%	5.71%	5.95%
+0.425	0.031	12270	0.400	15.476	74.779	<0.001	0.083	0.001	0.114	0.158	0.004	0.012	3.677	0.003	0.155	0.007	3.067	820	0.58	2.66%	2.23%	2.74%	2.70%
+0.355	0.018	11920	0.424	15.458	74.483	0.006	0.082	0.004	0.123	0.140	0.004	0.012	3.739	0.002	0.176	0.008	3.092	833	0.49	1.51%	1.23%	1.65%	1.52%
+0.25	0.040	11310	0.425	15.418	74.747	0.004	0.091	0.003	0.125	0.144	0.005	0.013	3.766	0.002	0.169	0.014	3.073	825	0.55	3.35%	2.59%	3.67%	3.40%
+0.15	0.056	10740	0.444	15.314	74.724	0.002	0.100	0.005	0.148	0.147	0.006	0.012	3.837	0.003	0.203	0.006	3.031	825	0.56	4.71%	3.46%	5.40%	4.78%
+0.125	0.012	10280	0.458	15.296	74.426	0.003	0.120	0.005	0.174	0.182	0.007	0.015	4.069	0.003	0.252	0.006	2.973	808	0.52	1.04%	0.73%	1.23%	1.05%
+0.106	0.011	9780	0.443	15.202	74.489	0.003	0.114	0.008	0.170	0.154	0.004	0.011	4.171	0.002	0.242	0.018	2.958	808	0.63	0.90%	0.61%	1.03%	0.91%
+0.09	0.011	9210	0.446	15.193	74.628	0.005	0.118	0.006	0.176	0.136	0.007	0.017	4.239	0.004	0.250	0.015	3.009	811	0.51	0.93%	0.58%	1.07%	0.94%
+0.063	0.017	9370	0.455	15.017	74.684	<0.001	0.127	0.006	0.192	0.163	0.007	0.014	4.287	0.002	0.278	0.007	2.917	766	0.50	1.46%	0.94%	1.72%	1.48%
+0.045	0.010	8930	0.481	14.888	74.622	0.004	0.134	0.008	0.205	0.141	0.012	0.021	4.424	0.003	0.314	0.006	2.904	755	0.48	0.82%	0.50%	1.02%	0.83%
+0.038	0.005	8480	0.539	14.968	74.279	0.003	0.133	0.012	0.198	0.142	0.011	0.023	4.387	0.002	0.304	0.017	3.006	784	0.67	0.44%	0.25%	0.61%	0.44%
-0.038	0.026	8910	0.833	15.443	72.617	0.011	0.167	0.012	0.238	0.129	0.011	0.026	4.407	0.007	0.385	0.058	3.178	831	1.00	2.22%	1.35%	4.77%	2.19%

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment			
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2



Blue = Calculated

MO17DD001 Comp Size by Analysis

+6.3mm

+5.6mm

+4.75mm

+4mm

+3.35mm

+2mm

+1mm

+0.71mm

+0.5mm

+0.425mm

+0.355mm

+0.25mm

+0.15mm

+0.125mm

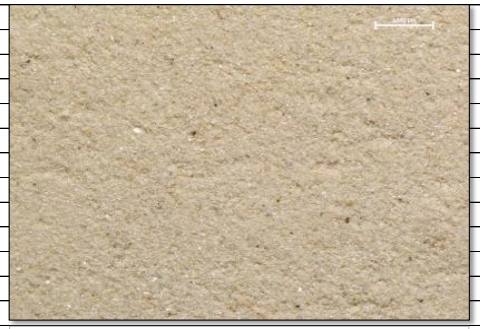
+0.106mm

+0.09mm

+0.063mm

+0.045mm

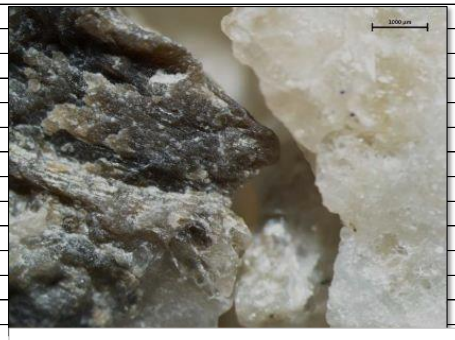
+0.038mm



-0.038mm

MO17DD002 Comp Size by Analysis

+6.3mm



+5.6mm

+4.75mm

+4mm

+3.35mm

+2mm

+1mm

+0.71mm

+0.5mm

+0.425mm

+0.355mm

+0.25mm

+0.15mm

+0.125mm

+0.106mm

+0.09mm

+0.063mm

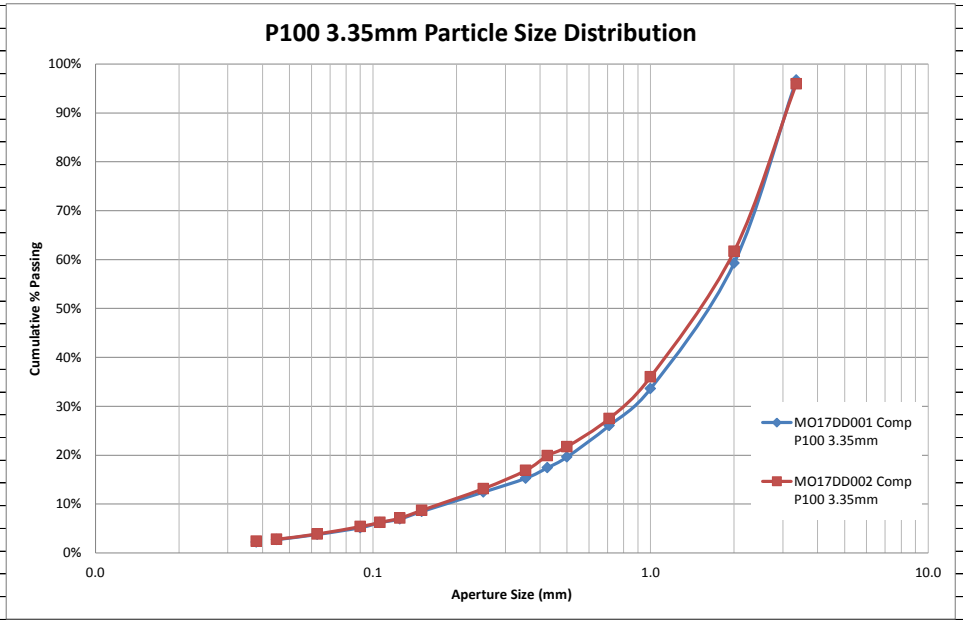
+0.045mm

+0.038mm

-0.038mm

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment			
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2
MO17DD001 Comp P100 3.35mm																							
Assay Head		17620	0.953	16.050	74.305	<0.001	0.089	0.004	0.112	0.126	0.007	0.009	3.244	0.001	0.185	0.023	2.634	796	0.43				
MO17DD001 Comp P100 3.35mm Size by Analysis																							
Calc. Head	1.033	17402	0.376	15.880	74.616	0.005	0.092	0.010	0.124	0.105	0.004	0.005	3.240	0.002	0.207	0.042	2.594	796	0.57	100.00%	100.00%	100.00%	100.00%
Size (mm)																							
+3.35	0.034	18090	0.343	16.255	74.099	0.002	0.095	0.002	0.123	0.062	0.004	0.006	3.357	0.001	0.212	0.012	2.661	813	0.48	3.28%	3.41%	2.99%	3.26%
+2	0.387	18920	0.335	16.282	74.315	0.004	0.085	0.016	0.122	0.080	0.004	0.004	3.236	0.002	0.227	0.074	2.429	755	0.54	37.45%	40.72%	33.34%	37.30%
+1	0.265	18390	0.355	15.986	74.672	0.002	0.095	0.005	0.122	0.066	0.004	0.003	3.096	0.001	0.176	0.009	2.698	806	0.51	25.67%	27.12%	24.21%	25.69%
+0.71	0.078	17780	0.357	15.619	75.175	0.005	0.081	0.004	0.104	0.161	0.002	0.006	3.048	0.002	0.153	0.018	2.647	812	0.55	7.55%	7.72%	7.17%	7.61%
+0.5	0.066	16360	0.374	15.380	75.216	0.006	0.079	0.002	0.104	0.157	0.006	0.008	3.067	0.002	0.172	0.053	2.698	810	0.49	6.43%	6.05%	6.39%	6.48%
+0.425	0.023	16150	0.427	15.394	75.092	0.009	0.098	0.006	0.124	0.167	0.005	0.008	3.108	0.003	0.186	0.023	2.715	857	0.62	2.20%	2.04%	2.49%	2.21%
+0.355	0.022	15000	0.383	15.198	75.484	0.005	0.083	0.007	0.111	0.122	0.005	0.008	3.221	0.001	0.171	0.035	2.718	839	0.55	2.15%	1.85%	2.19%	2.18%
+0.25	0.029	14600	0.376	15.133	75.576	0.005	0.091	0.005	0.123	0.182	0.003	0.005	3.300	0.002	0.189	0.017	2.647	825	0.57	2.83%	2.37%	2.83%	2.86%
+0.15	0.041	13250	0.394	15.199	75.183	0.009	0.098	0.007	0.132	0.186	0.005	0.008	3.451	0.002	0.210	0.026	2.690	842	0.60	3.96%	3.02%	4.15%	3.99%
+0.125	0.016	13240	0.429	15.262	74.877	0.004	0.102	0.007	0.142	0.181	0.005	0.010	3.643	0.001	0.234	0.022	2.676	858	0.69	1.55%	1.18%	1.77%	1.56%
+0.106	0.008	11330	0.447	14.844	74.744	0.007	0.103	0.020	0.146	0.156	0.005	0.008	3.945	0.002	0.250	0.037	2.662	850	0.89	0.73%	0.47%	0.86%	0.73%
+0.09	0.011	11930	0.436	14.973	74.923	0.009	0.108	0.013	0.156	0.173	0.006	0.007	3.863	0.002	0.256	0.030	2.646	844	0.81	1.04%	0.71%	1.20%	1.04%
+0.063	0.014	11640	0.438	14.851	74.830	0.010	0.112	0.012	0.165	0.184	0.009	0.013	3.940	0.002	0.274	0.028	2.653	835	0.68	1.38%	0.93%	1.61%	1.39%
+0.045	0.011	11160	0.487	14.844	74.901	0.007	0.120	0.016	0.172	0.164	0.010	0.018	3.989	0.003	0.294	0.036	2.639	792	0.69	1.06%	0.68%	1.37%	1.06%
+0.038	0.005	10910	0.543	14.782	74.372	0.006	0.132	0.020	0.190	0.176	0.010	0.022	4.158	0.004	0.331	0.048	2.660	791	0.84	0.51%	0.32%	0.74%	0.51%
-0.038	0.023	11120	1.141	15.545	72.022	0.034	0.168	0.017	0.219	0.168	0.009	0.018	3.831	0.009	0.413	0.114	2.930	908	1.59	2.21%	1.41%	6.70%	2.13%
MO17DD002 Comp P100 3.35mm																							
Assay Head		13970	0.902	16.006	73.589	0.002	0.092	0.004	0.129	0.101	0.005	0.011	3.817	0.002	0.188	0.020	2.959	823	0.42				
MO17DD002 Comp P100 3.35mm Size by Analysis																							
Calc. Head	1.002	14242	0.389	16.141	73.786	0.005	0.091	0.005	0.129	0.126	0.004	0.008	3.702	0.002	0.190	0.025	3.059	816	0.53	100.00%	100.00%	100.00%	100.00%
Size (mm)																							
+3.35	0.041	14060	0.446	16.174	73.626	0.006	0.078	0.023	0.109	0.101	0.006	0.010	3.678	0.002	0.162	0.020	3.225	847	0.46	4.05%	4.00%	4.64%	4.04%
+2	0.343	16330	0.347	16.813	73.075	0.004	0.092	0.003	0.129	0.101	0.003	0.007	3.694	<0.001	0.188	0.018	3.030	791	0.49	34.26%	39.28%	30.54%	33.93%
+1	0.257	14680	0.344	16.081	74.033	0.004	0.080	0.002	0.121	0.126	0.003	0.005	3.640	0.002	0.176	0.029	3.065	805	0.49	25.68%	26.47%	22.70%	25.77%
+0.71	0.085	14280	0.375	15.876	74.291	0.003	0.082	0.004	0.113	0.155	0.003	0.008	3.596	0.003	0.160	0.015	3.054	842	0.54	8.52%	8.54%	8.21%	8.58%
+0.5	0.058	13010	0.395	15.574	74.642	0.006	0.082	0.004	0.112	0.130	0.004	0.009	3.518	0.002	0.158	0.036	3.066	840	0.54	5.76%	5.26%	5.84%	5.82%
+0.425	0.018	12400	0.403	15.462	74.718	0.008	0.086	0.004	0.117	0.149	0.004	0.007	3.555	0.003	0.160	0.031	3.062	851	0.61	1.84%	1.60%	1.90%	1.86%
+0.355	0.030	12470	0.419	15.498	74.667	0.006	0.081	0.003	0.111	0.182	0.003	0.007	3.559	0.003	0.162	0.013	3.051	845	0.56	3.02%	2.65%	3.25%	3.06%
+0.25	0.037	11510	0.438	15.458	74.747	0.008	0.087	0.006	0.123	0.165	0.004	0.007	3.643	0.003	0.171	0.007	3.070	861	0.58	3.73%	3.02%	4.20%	3.78%
+0.15	0.044	10710	0.458	15.434	74.425	0.003	0.102	0.005	0.146	0.154	0.004	0.009	3.868	0.002	0.208	0.023	3.086	858	0.59	4.42%	3.32%	5.20%	4.46%
+0.125	0.016	10290	0.498	15.448	74.293	0.009	0.110	0.004	0.158	0.148	0.005	0.008	3.972	0.003	0.227	0.028	3.037	847	0.63	1.61%	1.16%	2.06%	1.62%
+0.106	0.009	9740	0.589	15.242	74.008	0.012	0.112	0.026	0.169	0.138	0.004	0.007	4.023	0.003	0.328	0.123	3.003	828	0.66	0.88%	0.60%	1.33%	0.88%
+0.09	0.009	9820	0.582	15.159	74.042	0.013	0.123	0.021	0.183	0.153	0.006	0.013	4.170	0.003	0.322	0.093	3.002	842	0.75	0.85%	0.58%	1.27%	0.85%
+0.063	0.015	9340	0.465	15.055	74.271	0.009	0.128	0.009	0.187	0.150	0.007	0.014	4.214	0.003	0.283	0.023	2.949	787	0.59	1.52%	0.99%	1.81%	1.53%
+0.045	0.011	9080	0.488	15.057	74.162	0.007	0.132	0.010	0.198	0.149	0.009	0.018	4.251	0.002	0.301	0.019	2.984	799	0.62	1.08%	0.69%	1.35%	1.08%
+0.038	0.004	9140	0.532	14.911	74.005	0.007	0.149	0.018	0.218	0.166	0.010	0.022	4.463	0.002	0.341	0.045	2.889	753	0.69	0.39%	0.25%	0.53%	0.39%
-0.038	0.024	9370	0.837	15.630	72.184	0.018	0.173	0.013	0.236	0.133	0.011	0.026	4.277	0.008	0.387	0.070	3.253	880	1.10	2.40%	1.58%	5.17%	2.35%

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment			
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2



Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment			
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2
MO17DD001 Comp P100 3.35mm																							
Assay Head		17620	0.953	16.050	74.305	<0.001	0.089	0.004	0.112	0.126	0.007	0.009	3.244	0.001	0.185	0.023	2.634	796	0.43				
MO17DD001 Comp P100 3.35mm Wet Screening																							
Calc. Head	18.478	17501	0.356	15.905	74.694	0.005	0.088	0.003	0.110	0.109	0.005	0.006	3.261	0.000	0.175	0.022	2.705	791	0.53	100.00%	100.00%	100.00%	100.00%
Size (mm)																							
+0.5	14.835	18540	0.338	16.056	74.639	0.006	0.084	0.003	0.102	0.095	0.004	0.005	3.172	<0.001	0.162	0.019	2.699	781	0.51	80.28%	85.05%	76.20%	80.23%
-0.5	3.643	13270	0.430	15.288	74.917	0.003	0.102	0.005	0.143	0.168	0.008	0.012	3.623	0.002	0.230	0.036	2.731	832	0.59	19.72%	14.95%	23.80%	19.77%

Masses calculated as equivalent dry

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	Mica	STAGE Deportment				
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	%	Yield	Li2O	Fe2O3	SiO2	Mica

Batch RC Parameters

Parameters	Collection time (min)	Flowrate (L/hr)		Parameters	Value
Flow 1	45	1230		Vessel dimension (mm)	60 x 100
Flow 2	45	2202		Channel length (m)	1
Flow 3	45	2790		Inclined angle (°)	70
Flow 4	48	3162		Channel number	3
Flow 5	45	3360		Plate thickness (mm)	0.55
Flow 6	45	3594		Channel spacing (mm)	20.00
Flow 7	45	3691		Operational mode	Batch
Flow 8	45	3853			
Flow 9	35	4014			
Remains					
Residue					

MO17DD001 Comp P100 3.35mm +0.5mm

Assay Head		18540	0.338	16.056	74.639	0.006	0.084	0.003	0.102	0.095	0.004	0.005	3.172	<0.001	0.162	0.019	2.699	781	0.51						

MO17DD001 Comp P100 3.35mm +0.5mm Batch Reflux Classifier

Calc. Head	14.375	19875	0.327	16.384	74.168	0.001	0.082	0.001	0.105	0.065	0.004	0.009	3.179	0.002	0.141	0.009	2.602	792	0.54	2.72		100.00%	100.00%	100.00%	100.00%	100.00%
Batch RC																									
Flow 1	0.001	7590	2.269	23.163	60.573	0.126	0.163	0.034	0.041	0.098	0.002	0.019	1.865	0.004	0.157	0.081	6.794	2599	3.34	87.41		0.00%	0.00%	0.03%	0.00%	0.13%
Flow 2	0.005	7590	2.269	23.163	60.573	0.126	0.163	0.034	0.041	0.098	0.002	0.019	1.865	0.004	0.157	0.081	6.794	2599	3.34	87.41		0.04%	0.01%	0.26%	0.03%	1.19%
Flow 3	0.030	6620	1.528	20.784	65.960	0.021	0.124	0.005	0.042	0.045	0.002	0.014	1.671	0.002	0.072	0.013	6.448	2396	2.21	50.50		0.21%	0.07%	0.97%	0.18%	3.87%
Flow 4	0.113	5190	0.810	15.588	73.878	0.011	0.082	0.005	0.056	0.022	0.003	0.009	2.534	0.003	0.089	0.005	4.862	1566	1.17	19.56		0.79%	0.21%	1.95%	0.78%	5.66%
Flow 5	0.326	5410	0.401	14.066	76.544	0.003	0.051	0.001	0.069	0.015	0.003	0.005	3.267	0.003	0.102	0.018	3.992	1203	0.68	11.62		2.27%	0.62%	2.78%	2.34%	9.69%
Flow 6	0.356	6870	0.324	13.931	76.844	<0.001	0.051	0.003	0.080	0.016	0.002	0.009	3.549	0.002	0.119	0.006	3.544	1025	0.60	9.05		2.48%	0.86%	2.45%	2.57%	8.25%
Flow 7	0.655	8940	0.297	14.217	76.659	0.004	0.053	0.002	0.084	0.019	0.003	0.007	3.479	0.003	0.126	<0.001	3.416	1007	0.49	8.96		4.55%	2.05%	4.13%	4.71%	15.02%
Flow 8	0.464	11360	0.285	14.713	76.235	0.002	0.059	0.001	0.091	0.025	0.002	0.008	3.481	0.003	0.132	<0.001	3.133	899	0.48	7.26		3.23%	1.84%	2.81%	3.32%	8.62%
Flow 9	0.689	12160	0.282	14.743	76.071	0.002	0.066	0.001	0.101	0.025	0.004	0.006	3.413	0.003	0.154	0.007	3.142	901	0.44	6.51		4.80%	2.93%	4.13%	4.92%	11.49%
Remains	11.616	22110	0.320	16.777	73.762	<0.001	0.087	0.001	0.109	0.056	0.004	0.009	3.144	0.002	0.143	0.010	2.411	741	0.53	1.19		80.81%	89.89%	79.04%	80.36%	35.40%
Residue	0.121	35820	0.563	18.919	69.639	0.004	0.156	0.008	0.184	1.891	0.021	0.026	2.190	<0.001	0.276	0.007	1.614	537	0.47	2.19		0.84%	1.52%	1.45%	0.79%	0.68%

Flow 1+2

Flow 3

Flow 4

Flow 5

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	Mica	STAGE Deportment				
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	%	Yield	Li2O	Fe2O3	SiO2	Mica

Flow 6

Flow 7

Flow 8

Flow 9

Remains

Residue

Orange = combined for analysis purposes

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	SG	STAGE Deportment			
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%		Yield	Li2O	Fe2O3	SiO2

DMS100 Operating Parameters

Parameter	SG 2.7	SG 2.95
Cyclone Diameter (mm)	100	100
Spigot (mm)	35	25
Media	270D	270D
Feed Media Density	2.040	2.220
Overflow Media Density	1.730	2.030
Underflow Media Density	2.770	3.110
Tracer Size (mm)	2	2

DMS100 Partition Curve

Tracers Reporting to UF	No. Beads	SG 2.7	SG 2.95
2.55	20	0	
2.60	20	0	
2.65	20	4	
2.70	20	10	0
2.75	20	19	0
2.80	20	20	0
2.85	20	20	2
2.90	20	20	6
2.95	20		11
3.00	20		16
3.05	20		20
3.10	20		20

MO17DD001 Comp P100 3.35mm +0.5mm Batch RC Remains

Assay Head		22110	0.320	16.777	73.762	<0.001	0.087	0.001	0.109	0.056	0.004	0.009	3.144	0.002	0.143	0.010	2.411	741	0.53					

MO17DD001 Comp P100 3.35mm +0.5mm Batch RC Remains Dense Media Separation (DMS100)

Calc. Head	11.424	20735	0.334	16.576	73.910	0.007	0.093	0.001	0.117	0.164	0.003	0.006	3.114	0.002	0.170	0.012	2.542	734	0.50		100.00%	100.00%	100.00%	100.00%
DMS100																								
SG 2.95 Underflow	2.752	63120	0.412	24.138	66.201	0.014	0.131	0.003	0.100	0.556	0.005	0.005	0.579	<0.001	0.139	0.024	0.545	196	0.41		24.09%	73.34%	29.69%	21.58%
SG 2.95 Overflow	3.845	14740	0.490	14.840	76.300	0.008	0.130	0.002	0.152	0.067	0.006	0.009	3.120	0.002	0.218	<0.001	2.046	719	0.69		33.66%	23.93%	49.33%	34.75%
SG 2.7 Overflow	4.827	1340	0.166	13.646	76.401	0.003	0.042	<0.001	0.099	0.018	<0.001	0.005	4.555	0.003	0.149	0.014	4.077	1053	0.39		42.25%	2.73%	20.98%	43.67%

Blue = Calculated

SAMPLE	Mass	Disc Height	Temperature	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment			
	kg	mm	°c	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2
MO17DD001 Comp P100 3.35mm +0.5mm Batch RC Remains DMS100 SG 2.95 UF																									
Assay Head				63120	0.412	24.138	66.201	0.014	0.131	0.003	0.100	0.556	0.005	0.005	0.579	<0.001	0.139	0.024	0.545	196	0.41				
MO17DD001 Comp P100 3.35mm +0.5mm Batch RC Remains DMS100 SG 2.95 UF Magnetic Characterisation																									
Calc. Head	2.694			63503	0.395	24.097	66.691	0.000	0.129	0.000	0.110	0.321	0.005	0.005	0.578	0.000	0.145	0.013	0.513	189	0.35	100.00%	100.00%	100.00%	100.00%
Fraction																									
9000G Magnetic 1	0.015	5.0	Room	45620	11.711	7.175	30.609	0.006	10.216	0.062	9.988	0.066	0.015	0.059	1.544	0.006	4.886	0.380	1.186	493	0.44	0.54%	0.39%	16.09%	0.25%
9000G Magnetic 2	0.000	5.0	100	30210	6.941	12.460	44.479	0.029	4.578	0.046	5.719	0.095	0.121	0.182	1.487	0.015	7.836	0.409	1.692	719	1.51	0.01%	0.01%	0.22%	0.01%
10400G Magnetic 3	0.002	3.7	Room	30210	6.941	12.460	44.479	0.029	4.578	0.046	5.719	0.095	0.121	0.182	1.487	0.015	7.836	0.409	1.692	719	1.51	0.08%	0.04%	1.34%	0.05%
Non Magnetic	2.677			63630	0.327	24.200	66.908	<0.001	0.070	<0.001	0.051	0.323	0.005	0.005	0.572	<0.001	0.112	0.011	0.508	187	0.35	99.37%	99.57%	82.35%	99.69%

9,000 Gauss Magnetic 1

9,000 Gauss Magnetic 2

10,400 Gauss Magnetic 3

Non-Magnetic

Maroon = combined for analysis purposes

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment			
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2

Cyclone Operating Parameters

Parameter	
Cyclone (inch)	2
Vortex Finder (mm)	11
Spigot (mm)	9.4
Pressure (kPa)	200
Cut Point (COF P80) (mm)	0.010
% Solids	20

MO17DD001 Comp P100 3.35mm -0.5mm

Assay Head		13270	0.430	15.288	74.917	0.003	0.102	0.005	0.143	0.168	0.008	0.012	3.623	0.002	0.230	0.036	2.731	832	0.59				

MO17DD001 Comp P100 3.35mm -0.5mm Cyclone Deslime

Calc. Head	3.621	13346	0.528	15.187	75.080	0.003	0.102	0.003	0.141	0.181	0.008	0.012	3.589	0.000	0.228	0.016	2.655	824	0.59		100.00%	100.00%	100.00%	100.00%
Cyclone																							
Underflow	3.559	13390	0.484	15.123	75.284	0.002	0.098	0.003	0.138	0.182	0.008	0.012	3.590	<0.001	0.221	0.013	2.627	813	0.55		98.30%	98.63%	90.18%	98.57%
Overflow	0.061	10820	3.054	18.903	63.254	0.032	0.320	0.017	0.335	0.113	0.007	0.013	3.507	0.013	0.626	0.200	4.281	1455	2.93		1.70%	1.37%	9.82%	1.43%

Mass calculated as equivalent dry

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment			
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2
MO17DD001 Comp FS A Float Feed Comp																							
Assay Head		14270	0.478	14.996	75.814	0.001	0.109	0.004	0.143	0.124	0.005	0.011	3.357	0.002	0.227	0.016	2.380	754	0.60				
MO17DD001 Comp FS A Float Feed Comp																							
Calc. Head	7.092	14105	0.487	14.973	75.822	0.005	0.115	0.002	0.145	0.121	0.007	0.010	3.341	0.001	0.219	0.006	2.319	763	0.62		100.00%	100.00%	100.00%	100.00%
Fraction																							
+0.5mm Batch RC Remains DMS100 SG 2.95 Overflow	3.757	14740	0.490	14.840	76.300	0.008	0.130	0.002	0.152	0.067	0.006	0.009	3.120	0.002	0.218	<0.001	2.046	719	0.69		52.98%	55.36%	53.28%	53.31%
-0.5mm Cyclone Underflow	3.335	13390	0.484	15.123	75.284	0.002	0.098	0.003	0.138	0.182	0.008	0.012	3.590	<0.001	0.221	0.013	2.627	813	0.55		47.02%	44.64%	46.72%	46.69%

Masses calculated as equivalent dry

Blue = Calculated

SAMPLE	Mass	STAGE Deportment
	kg	Yield

MO17DD001 Comp FS A Float Feed Comp P80 0.18mm

Assay Head

MO17DD001 Comp FS A Float Feed Comp P80 0.18mm Particle Size Distribution

Size (mm)		
Calc. Head	0.160	100.00%
+0.25	0.008	4.68%
+0.18	0.019	11.85%
+0.15	0.011	7.05%
+0.125	0.019	11.67%
+0.106	0.016	10.23%
+0.09	0.020	12.23%
+0.063	0.018	11.10%
+0.045	0.013	8.30%
+0.038	0.008	4.68%
-0.038	0.029	18.22%

SAMPLE	Mass	STAGE Deportment
	kg	Yield

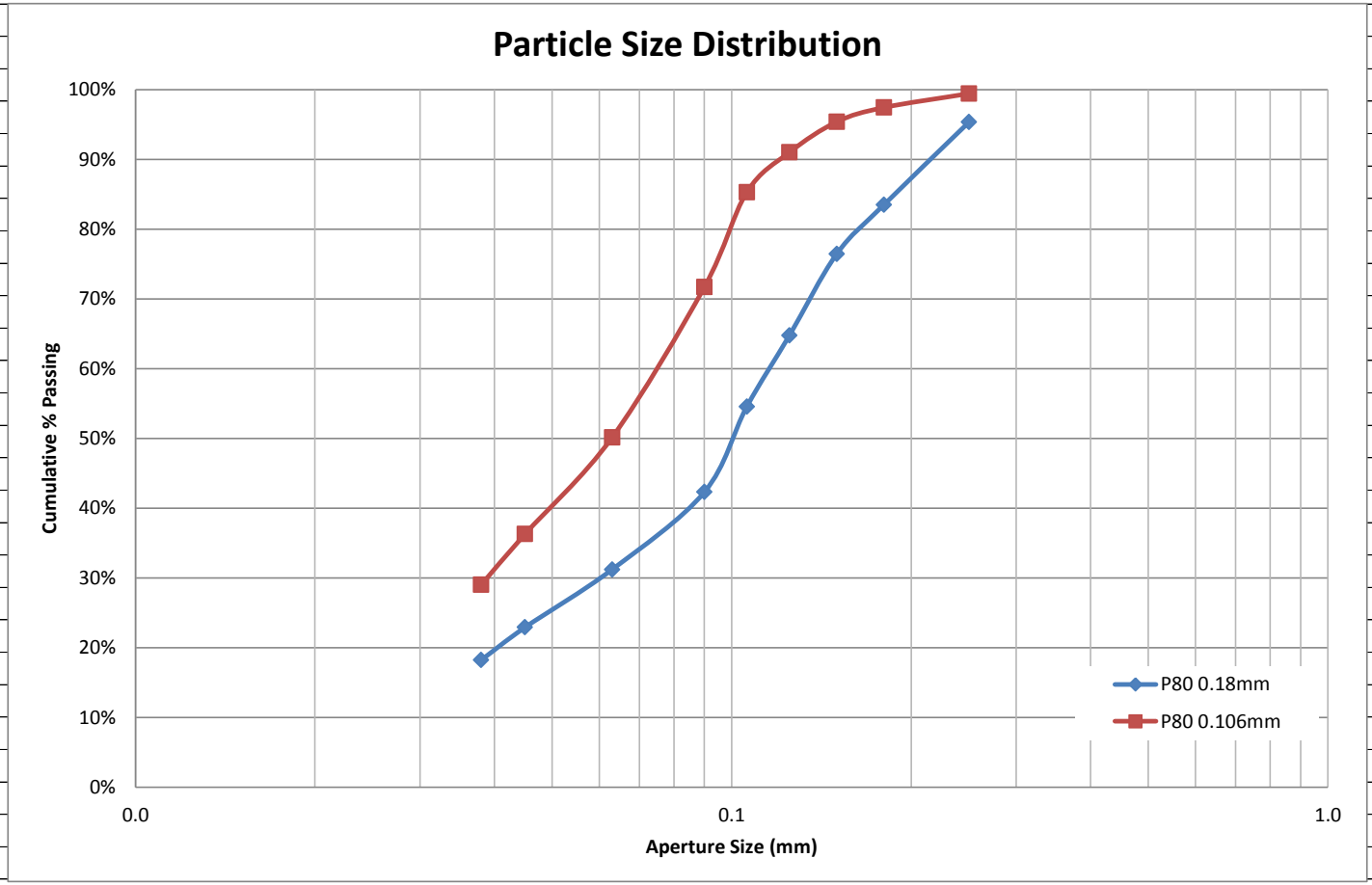
MO17DD001 Comp FS A Float Feed Comp P80 0.106mm

Assay Head

MO17DD001 Comp FS A Float Feed Comp P80 0.106mm Particle Size Distribution

Size (mm)		
Calc. Head	0.190	100.00%
+0.25	0.001	0.58%
+0.18	0.004	2.00%
+0.15	0.004	2.05%
+0.125	0.008	4.37%
+0.106	0.011	5.74%
+0.09	0.026	13.58%
+0.063	0.041	21.58%
+0.045	0.026	13.84%
+0.038	0.014	7.26%
-0.038	0.055	29.00%

SAMPLE	Mass	STAGE Deportment
	kg	Yield



Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Sighter Three-Stage Flotation #1 Parameters

Parameters	Time		Data						Reagents						
Stage	Cond'n	Float	Pulp Density	pH	ORP (Ag/AgCl)	Temp.	Water Type	RPM	Sodium Carbonate (10%)	Na2SiO3 (2.35 ratio)	Flotinor 7801	Oleic Acid	Pine Oil	HCl (10%)	
	min	min	%w/v		mV	°C			mL	g/t	g/t	g/t	Drops	mL	
Initial			32	7.90	157	32	Perth Tap	1200							
Rougher Con 1	10+10	1	32	7.94	196	34	Perth Tap	1200/900	0.10	50	500				
Rougher Con 2		1	32	7.96	209	33	Perth Tap	900							
Rougher Con 3		1	32	8.00	210	32	Perth Tap	900							
Rougher Con 4		1	32	8.05	223	32	Perth Tap	900							
Rougher Con 5	5+5	1	32	7.96	220	32	Perth Tap	900		20	300				
Rougher Con 6		1	32	8.03	217	32	Perth Tap	900							
Rougher Con 7		1	32	8.06	233	31	Perth Tap	900							
Rougher Con 8		1	32	8.08	229	31	Perth Tap	900							
Rougher Con 9		1	32	8.10	226	31	Perth Tap	900							
Rougher Con 10		1	32	8.07	249	30	Perth Tap	900							
Rougher Con 1-10 combined for Cleaner Flotation. Cleaner Flotation conducted in Rougher Con Filtrate															
Cleaner Con 1	10+10	1	16	8.04	180	35	Ro Con Filtrate	1200/900		50	200				
Cleaner Con 2		1	16	8.09	165	33	Ro Con Filtrate	900							
Cleaner Con 3		1	16	8.09	165	33	Ro Con Filtrate	900							
Cleaner Con 4		1	16	7.97	194	32	Ro Con Filtrate	900							
Cleaner Con 5	5+5	1	16	7.90	164	33	Ro Con Filtrate	900		20	100				
Cleaner Con 6		1	16	8.04	198	33	Ro Con Filtrate	900							
Cleaner Con 7		1	16	8.06	202	32	Ro Con Filtrate	900							
Cleaner Con 8	5+5	1	16	8.01	65	33	Ro Con Filtrate	900		10	50				
Cleaner Con 9		1	16	8.09	138	32	Ro Con Filtrate	900							
Cleaner Con 10		1	16	8.00	179	32	Ro Con Filtrate	900							
Cleaner Con 1-10 combined for Re-Cleaner Flotation. Re-Cleaner Flotation conducted in Cleaner Con Filtrate															
Re-Cleaner Con 1	10+10	1	10	8.06	165	31	Cl Con Filtrate	1200/900		30	100				
Re-Cleaner Con 2		1	10	8.10	184	31	Cl Con Filtrate	900							
Re-Cleaner Con 3	5+5	2	10	8.06	205	31	Cl Con Filtrate	900		10	50				
Re-Cleaner Con 4		2	10	8.09	211	29	Cl Con Filtrate	900							
Re-Cleaner Con 5		2	10	8.02	222	29	Cl Con Filtrate	901						0.10	

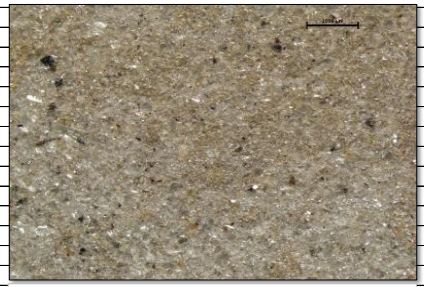
MO17DD001 Comp FS A Float Feed Comp P80 0.180mm

Assay Head		14270	0.478	14.996	75.814	0.001	0.109	0.004	0.143	0.124	0.005	0.011	3.357	0.002	0.227	0.016	2.380	754	0.60						

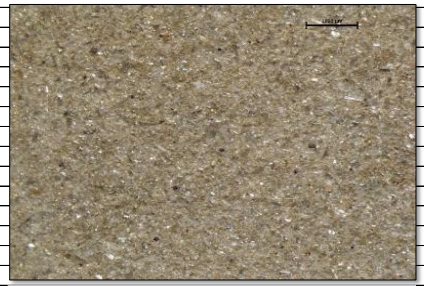
MO17DD001 Comp FS A Float Feed Comp P80 0.180mm Sighter Float Test #1

Calc. Head	0.383	14120	0.661	14.767	75.940	0.001	0.103	0.004	0.132	0.113	0.006	0.011	3.373	0.001	0.226	0.027	2.318	733	0.63		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Float																									
Re-Cleaner Con 1	0.045	60030	1.750	23.541	61.705	0.005	0.514	0.024	0.722	0.705	0.023	0.044	0.846	<0.001	1.259	0.058	0.869	303	0.47		11.77%	50.04%	31.18%	9.56%	2.95%	4.41%
Re-Cleaner Con 2	0.022	53320	1.565	23.252	64.163	0.004	0.269	0.013	0.329	0.290	0.016	0.031	1.223	0.001	0.605	0.052	1.316	465	0.69		5.61%	21.19%	13.29%	4.74%	2.03%	3.18%
Re-Cleaner Con 3	0.012	40270	1.544	21.332	66.583	0.002	0.165	0.011	0.170	0.116	0.011	0.016	1.875	0.002	0.360	0.054	2.028	725	1.06		3.13%	8.93%	7.32%	2.75%	1.74%	2.74%
Re-Cleaner Con 4	0.004	13390	1.275	16.403	71.594	0.004	0.090	0.012	0.076	0.033	0.004	0.006	3.521	<0.001	0.226	0.062	3.063	1030	1.75		0.97%	0.92%	1.86%	0.91%	1.01%	1.28%
Re-Cleaner Con 5	0.004	6000	0.994	14.900	73.856	0.003	0.064	0.011	0.046	0.022	0.002	0.005	3.992	0.002	0.156	0.072	3.305	1105	1.52		0.99%	0.42%	1.49%	0.96%	1.17%	1.41%
Re-Cleaner Tail	0.033	7050	0.650	14.612	75.960	0.002	0.043	<0.001	0.035	0.018	0.003	0.005	3.805	<0.001	0.064	0.030	3.010	1002	0.92		8.53%	4.26%	8.40%	8.54%	9.63%	11.08%
Cleaner Tail	0.075	5070	0.382	12.880	78.978	<0.001	0.029	<0.001	0.029	0.013	0.002	0.003	3.924	0.002	0.042	0.013	2.541	792	0.59		19.62%	7.05%	11.35%	20.41%	22.83%	21.51%
Rougher Tail	0.189	2060	0.336	12.038	80.181	<0.001	0.023	<0.001	0.027	0.011	0.003	0.004	4.005	<0.001	0.031	0.018	2.554	783	0.55		49.37%	7.20%	25.11%	52.13%	58.63%	54.39%

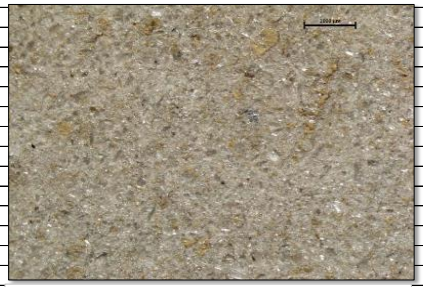
SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O



Re-Cleaner Con 1

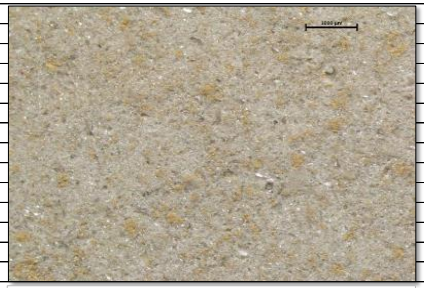


Re-Cleaner Con 2



Re-Cleaner Con 3

Re-Cleaner Con 4



Re-Cleaner Con 5

Re-Cleaner Tail

Cleaner Tail

Rougher Tail

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Sighter Three-Stage Flotation #2 Parameters

Parameters	Time		Data						Reagents						
Stage	Cond'n	Float	Pulp Density	pH	ORP (Ag/AgCl)	Temp.	Water Type	RPM	Sodium Carbonate (10%)	Na2SiO3 (2.35 ratio)	Flotinor 7801	Oleic Acid	Pine Oil	HCl (10%)	
	min	min	%w/v		mV	°C			mL	g/t	g/t	g/t	Drops	mL	
Initial			32	7.65	219	26	Perth Tap	1200							
Rougher Con 1	10+10	1	32	8.00	65	34	Perth Tap	1200/900	0.40	50		1500			
Rougher Con 2		1	32	8.09	108	32	Perth Tap	900							
Rougher Con 3		1	32	8.02	125	32	Perth Tap	900							
Rougher Con 4		1	32	8.00	140	32	Perth Tap	900							
Rougher Con 5	5+5	1	32	8.03	131	33	Perth Tap	900	0.40	20		1000			
Rougher Con 6		1	32	8.10	157	32	Perth Tap	900							
Rougher Con 7		1	32	8.08	139	33	Perth Tap	900							
Rougher Con 8		1	32	7.99	151	33	Perth Tap	900							
Rougher Con 9		1	32	8.04	148	32	Perth Tap	900							
Rougher Con 10		1	32	8.07	120	32	Perth Tap	900							
Rougher Con 1-10 combined for Cleaner Flotation. Cleaner Flotation conducted in Rougher Con Filtrate															
Cleaner Con 1	10+10	1	16	7.90	187	31	Ro Con Filtrate	1200/900	0.30	50		400			
Cleaner Con 2		1	16	8.00	201	30	Ro Con Filtrate	900							
Cleaner Con 3		1	16	8.03	206	30	Ro Con Filtrate	900							
Cleaner Con 4		1	16	8.09	297	29	Ro Con Filtrate	900							
Cleaner Con 5	5+5	1	16	7.98	212	30	Ro Con Filtrate	900	0.10	20		200		0.40	
Cleaner Con 6		1	16	8.07	215	30	Ro Con Filtrate	900							
Cleaner Con 7		1	16	8.02	222	29	Ro Con Filtrate	900							
Cleaner Con 8	5+5	1	16	8.07	252	30	Ro Con Filtrate	900		10		100			
Cleaner Con 9		1	16	8.01	243	30	Ro Con Filtrate	900							
Cleaner Con 10		1	16	8.04	196	29	Ro Con Filtrate	900							
Cleaner Con 1-10 combined for Re-Cleaner Flotation. Re-Cleaner Flotation conducted in Cleaner Con Filtrate															
Re-Cleaner Con 1	10+10	1	12	8.08	190	29	Cl Con Filtrate	1200/900		30		200			
Re-Cleaner Con 2		1	12	8.08	207	28	Cl Con Filtrate	900							
Re-Cleaner Con 3	5+5	2	12	8.01	217	28	Cl Con Filtrate	900		10		100			
Re-Cleaner Con 4		2	12	8.07	225	28	Cl Con Filtrate	900							

MO17DD001 Comp FS A Float Feed Comp P80 0.180mm

Assay Head	14270	0.478	14.996	75.814	0.001	0.109	0.004	0.143	0.124	0.005	0.011	3.357	0.002	0.227	0.016	2.380	754	0.60	

MO17DD001 Comp FS A Float Feed Comp P80 0.180mm Sighter Float Test #2

Calc. Head	0.397	13608	0.665	14.665	75.771	0.004	0.099	0.004	0.126	0.107	0.005	0.011	3.397	0.000	0.228	0.026	2.361	758	0.76	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Float																									
Re-Cleaner Con 1	0.064	58660	1.684	22.980	62.871	0.006	0.381	0.017	0.523	0.482	0.020	0.039	0.880	<0.001	0.985	0.044	0.761	268	1.20	16.19%	69.78%	41.02%	13.43%	4.19%	5.22%
Re-Cleaner Con 2	0.016	48380	1.753	21.762	64.417	0.004	0.339	0.017	0.446	0.394	0.017	0.032	1.321	<0.001	0.854	0.042	1.373	491	1.25	3.93%	13.96%	10.36%	3.34%	1.53%	2.28%
Re-Cleaner Con 3	0.014	13240	1.038	16.811	71.752	0.003	0.093	0.008	0.078	0.080	0.005	0.011	3.176	<0.001	0.178	0.058	3.313	1156	1.53	3.42%	3.33%	5.35%	3.24%	3.20%	4.80%
Re-Cleaner Con 4	0.006	5950	0.860	15.616	73.289	0.006	0.059	0.011	0.032	0.024	0.003	0.005	3.774	0.001	0.103	0.060	3.685	1254	1.63	1.38%	0.61%	1.79%	1.34%	1.54%	2.16%
Re-Cleaner Tail	0.050	4210	0.587	14.155	76.550	0.002	0.042	0.001	0.027	0.016	0.002	0.003	3.698	<0.001	0.047	0.050	3.232	1123	0.92	12.61%	3.90%	11.14%	12.74%	13.73%	17.27%
Cleaner Tail	0.045	2670	0.431	12.785	78.817	0.002	0.030	<0.001	0.027	0.012	0.002	0.002	3.887	<0.001	0.036	0.022	2.831	898	0.69	11.25%	2.21%	7.30%	11.71%	12.88%	13.49%
Rougher Tail	0.203	1650	0.299	11.862	80.194	0.005	0.022	<0.001	0.027	0.013	0.001	0.004	4.175	<0.001	0.034	0.011	2.525	772	0.48	51.21%	6.21%	23.04%	54.20%	62.93%	54.77%

Re-Cleaner Con 1

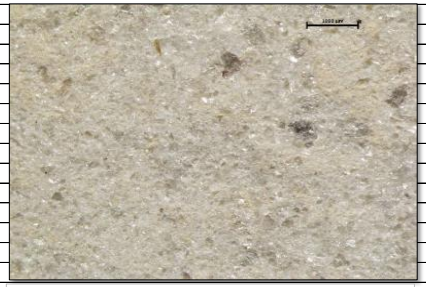
Re-Cleaner Con 2

Re-Cleaner Con 3

Re-Cleaner Con 4

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Re-Cleaner Tail



Cleaner Tail

Rougher Tail

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Sighter Three-Stage Flotation #3 Parameters

Parameters	Time		Data						Reagents						
Stage	Cond'n	Float	Pulp Density	pH	ORP (Ag/AgCl)	Temp.	Water Type	RPM	Sodium Carbonate (10%)	Na2SiO3 (2.35 ratio)	Flotinor 7801	Oleic Acid	Pine Oil	HCl (10%)	
	min	min	%w/v		mV	°C			mL	g/t	g/t	g/t	Drops	mL	
Initial			32	7.68	193	32	Perth Tap	1200							
Rougher Con 1	10+10	1	32	7.95	215	37	Perth Tap	1200/900	0.40	50	500			0.02	
Rougher Con 2		1	32	8.00	226	36	Perth Tap	900							
Rougher Con 3		1	32	7.98	226	35	Perth Tap	900							
Rougher Con 4		1	32	8.05	238	34	Perth Tap	900							
Rougher Con 5	5+5	1	32	7.90	230	35	Perth Tap	900	0.40	20	300				
Rougher Con 6		1	32	8.01	230	35	Perth Tap	900							
Rougher Con 7		1	32	8.03	242	34	Perth Tap	900							
Rougher Con 8		1	32	8.10	268	33	Perth Tap	900							
Rougher Con 9		1	32	8.07	259	33	Perth Tap	900							
Rougher Con 10		1	32	8.01	259	33	Perth Tap	900						0.03	
Rougher Con 1-10 combined for Cleaner Flotation. Cleaner Flotation conducted in Rougher Con Filtrate															
Cleaner Con 1	10+10	1	16	8.07	193	32	Ro Con Filtrate	1200/900	1.00	50	200			0.14	
Cleaner Con 2		1	16	7.93	210	32	Ro Con Filtrate	900						0.02	
Cleaner Con 3		1	16	7.92	222	31	Ro Con Filtrate	900							
Cleaner Con 4		1	16	7.99	216	31	Ro Con Filtrate	900						0.03	
Cleaner Con 5	5+5	1	16	8.05	220	32	Ro Con Filtrate	900		20	100			0.02	
Cleaner Con 6		1	16	7.92	230	32	Ro Con Filtrate	900							
Cleaner Con 7		1	16	7.99	230	31	Ro Con Filtrate	900							
Cleaner Con 8	5+5	1	16	7.98	236	32	Ro Con Filtrate	900		10	50			0.05	
Cleaner Con 9		1	16	8.06	233	31	Ro Con Filtrate	900							
Cleaner Con 10		1	16	7.96	252	31	Ro Con Filtrate	900						0.02	
Cleaner Con 1-10 combined for Re-Cleaner Flotation. Re-Cleaner Flotation conducted in Cleaner Con Filtrate															
Re-Cleaner Con 1	10+10	1	10	8.08	213	31	Cl Con Filtrate	1200/900		30	100				
Re-Cleaner Con 2		1	10	7.99	223	30	Cl Con Filtrate	900						0.01	
Re-Cleaner Con 3	5+5	2	10	7.98	225	31	Cl Con Filtrate	900		10	50				
Re-Cleaner Con 4		2	10	8.05	234	30	Cl Con Filtrate	900						0.02	
Re-Cleaner Con 5		2	10	8.04	242	29	Cl Con Filtrate	901						0.02	

MO17DD001 Comp FS A Float Feed Comp P80 0.106mm

Assay Head	14270	0.478	14.996	75.814	0.001	0.109	0.004	0.143	0.124	0.005	0.011	3.357	0.002	0.227	0.016	2.380	754	0.60	

MO17DD001 Comp FS A Float Feed Comp P80 0.106mm Sighter Float Test #3

Calc. Head	0.385	14087	0.921	14.876	75.481	0.002	0.110	0.007	0.134	0.118	0.006	0.010	3.369	0.000	0.224	0.043	2.338	748	0.58		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Float																										
Re-Cleaner Con 1	0.049	58750	2.981	23.778	60.024	0.005	0.533	0.025	0.707	0.697	0.025	0.047	0.713	0.001	1.196	0.042	1.210	465	0.31		12.67%	52.85%	41.03%	10.08%	2.68%	6.56%
Re-Cleaner Con 2	0.019	53430	2.586	23.970	62.024	0.006	0.290	0.013	0.326	0.311	0.019	0.032	0.920	<0.001	0.585	0.044	1.638	622	0.57		5.01%	18.99%	14.06%	4.11%	1.37%	3.51%
Re-Cleaner Con 3	0.012	43030	2.418	23.010	63.956	0.007	0.176	0.009	0.152	0.130	0.011	0.021	1.353	<0.001	0.310	0.053	2.350	875	0.96		3.13%	9.56%	8.22%	2.65%	1.26%	3.15%
Re-Cleaner Con 4	0.009	17540	1.603	17.750	70.328	0.005	0.097	0.012	0.068	0.048	0.004	0.010	3.024	0.002	0.182	0.066	3.150	1108	1.47		2.44%	3.04%	4.25%	2.27%	2.19%	3.29%
Re-Cleaner Con 5	0.007	7110	1.108	15.353	73.754	0.004	0.066	0.009	0.041	0.024	0.004	0.005	3.655	<0.001	0.129	0.066	3.391	1148	1.42		1.86%	0.94%	2.23%	1.81%	2.01%	2.69%
Re-Cleaner Tail	0.031	5870	0.763	14.452	75.983	0.003	0.047	0.002	0.034	0.017	0.004	0.005	3.687	<0.001	0.061	0.079	3.082	1027	0.96		8.11%	3.38%	6.72%	8.17%	8.88%	10.69%
Cleaner Tail	0.069	5130	0.430	12.943	78.778	0.003	0.028	0.004	0.027	0.014	0.004	0.006	3.908	0.001	0.039	0.030	2.544	785	0.61		17.81%	6.49%	8.32%	18.59%	20.66%	19.38%
Rougher Tail	0.189	1370	0.285	11.734	80.634	<0.001	0.021	0.003	0.027	0.010	<0.001	<0.001	4.193	<0.001	0.031	0.040	2.422	733	0.48		48.97%	4.76%	15.16%	52.32%	60.95%	50.73%

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Re-Cleaner Con 1

Re-Cleaner Con 2

Re-Cleaner Con 3

Re-Cleaner Con 4

Re-Cleaner Con 5

Re-Cleaner Tail

Cleaner Tail

Rougher Tail

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Sighter Three-Stage Flotation #4 Parameters

Parameters	Time		Data						Reagents						
Stage	Cond'n	Float	Pulp Density	pH	ORP (Ag/AgCl)	Temp.	Water Type	RPM	Sodium Carbonate (10%)	Na2SiO3 (2.35 ratio)	Flotinor 7801	Oleic Acid	Pine Oil	HCl (10%)	
	min	min	%w/v		mV	°C			mL	g/t	g/t	g/t	Drops	mL	
Initial			32	7.70	201	25	Perth Tap	1200							
Rougher Con 1	10+10	1	32	8.08	207	29	Perth Tap	1200/900	2.00	50		1500		0.09	
Rougher Con 2		1	32	7.91	227	27	Perth Tap	900							
Rougher Con 3		1	32	7.91	261	26	Perth Tap	900							
Rougher Con 4		1	32	7.95	258	26	Perth Tap	900							
Rougher Con 5	5+5	1	32	8.04	259	26	Perth Tap	900	1.20	20		1000			
Rougher Con 6		1	32	8.03	250	26	Perth Tap	900							
Rougher Con 7		1	32	8.06	256	26	Perth Tap	900							
Rougher Con 8		1	32	7.91	297	26	Perth Tap	900							
Rougher Con 9		1	32	7.94	299	26	Perth Tap	900							
Rougher Con 10		1	32	7.99	296	25	Perth Tap	900							
Rougher Con 1-10 combined for Cleaner Flotation. Cleaner Flotation conducted in Rougher Con Filtrate															
Cleaner Con 1	10+10	1	20	7.94	261	26	Ro Con Filtrate	1200/900	0.30	50		400			
Cleaner Con 2		1	20	8.07	262	25	Ro Con Filtrate	900							
Cleaner Con 3		1	20	8.04	265	25	Ro Con Filtrate	900							
Cleaner Con 4		1	20	8.07	266	25	Ro Con Filtrate	900							
Cleaner Con 5	5+5	1	20	8.01	258	26	Ro Con Filtrate	900		20		200			
Cleaner Con 6		1	20	8.04	259	26	Ro Con Filtrate	900							
Cleaner Con 7		1	20	8.05	269	26	Ro Con Filtrate	900							
Cleaner Con 8	5+5	1	20	8.03	262	26	Ro Con Filtrate	900	0.20	10		100		0.02	
Cleaner Con 9		1	20	8.03	274	26	Ro Con Filtrate	900							
Cleaner Con 10		1	20	8.06	278	26	Ro Con Filtrate	900							
Cleaner Con 1-10 combined for Re-Cleaner Flotation. Re-Cleaner Flotation conducted in Cleaner Con Filtrate															
Re-Cleaner Con 1	10+10	1	14	8.04	256	28	Cl Con Filtrate	1200/900		30		200			
Re-Cleaner Con 2		1	14	8.05	260	27	Cl Con Filtrate	900							
Re-Cleaner Con 3	5+5	2	14	8.05	264	28	Cl Con Filtrate	900	0.10	10		100			
Re-Cleaner Con 4		2	14	8.07	262	27	Cl Con Filtrate	900							

MO17DD001 Comp FS A Float Feed Comp P80 0.106mm

Assay Head	14270	0.478	14.996	75.814	0.001	0.109	0.004	0.143	0.124	0.005	0.011	3.357	0.002	0.227	0.016	2.380	754	0.60	

MO17DD001 Comp FS A Float Feed Comp P80 0.106mm Sighter Float Test #4

Calc. Head	0.387	14348	0.954	14.866	75.239	0.003	0.111	0.005	0.137	0.118	0.005	0.010	3.361	0.001	0.244	0.024	2.335	749	0.68	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Float																									
Re-Cleaner Con 1	0.065	55460	2.825	23.595	60.762	0.005	0.414	0.019	0.542	0.521	0.021	0.038	0.770	<0.001	0.997	0.031	1.470	559	1.06	16.79%	64.89%	49.72%	13.56%	3.85%	10.57%
Re-Cleaner Con 2	0.024	44850	2.425	22.554	63.254	0.007	0.290	0.013	0.342	0.322	0.016	0.028	1.225	<0.001	0.655	0.069	2.062	778	1.23	6.33%	19.78%	16.09%	5.32%	2.31%	5.59%
Re-Cleaner Con 3	0.013	17760	1.827	18.420	69.054	0.005	0.135	0.008	0.116	0.098	0.007	0.012	2.664	0.002	0.259	0.050	3.475	1278	1.56	3.44%	4.26%	6.60%	3.16%	2.73%	5.13%
Re-Cleaner Con 4	0.009	6730	0.963	14.708	75.260	0.004	0.057	0.006	0.039	0.028	0.003	0.004	3.662	0.002	0.099	0.059	3.135	1054	1.07	2.44%	1.14%	2.46%	2.44%	2.65%	3.27%
Re-Cleaner Tail	0.067	4220	0.495	12.752	78.895	0.002	0.031	0.002	0.029	0.012	0.002	0.004	3.930	<0.001	0.041	0.025	2.598	822	0.61	17.22%	5.07%	8.94%	18.06%	20.14%	19.17%
Cleaner Tail	0.070	1720	0.341	11.987	80.182	<0.001	0.024	<0.001	0.027	0.011	0.001	0.002	4.147	0.002	0.031	0.020	2.518	773	0.45	18.01%	2.16%	6.44%	19.19%	22.22%	19.43%
Rougher Tail	0.138	1080	0.260	11.545	80.499	0.003	0.020	<0.001	0.027	0.007	<0.001	<0.001	4.332	0.001	0.032	0.010	2.405	714	0.43	35.77%	2.69%	9.75%	38.27%	46.10%	36.85%

Re-Cleaner Con 1

Re-Cleaner Con 2

Re-Cleaner Con 3

Re-Cleaner Con 4

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Re-Cleaner Tail

Cleaner Tail

Rougher Tail

Blue = Calculated

Sighter Flotation Test Summary

			Li_2O		Fe_2O_3		SiO_2	
Test #	Description	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Test 1	P80 0.18mm - Flotinor 7801	22.47%	51212	81.49%	1.621	55.14%	63.960	18.92%
Test 2	P80 0.18mm - Oleic Acid	24.92%	47872	87.68%	1.560	58.52%	64.913	21.35%
Test 3	P80 0.106mm - Flotinor 7801	25.11%	47904	85.37%	2.560	69.80%	62.930	20.93%
Test 4	P80 0.106mm - Oleic Acid	29.00%	44571	90.08%	2.463	74.87%	63.509	24.48%

Sighter Flotation Test #1 - P80 0.18mm - Flotinor 7801

		Li_2O		Fe_2O_3		SiO_2	
	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Re-Cleaner Con 1	11.77%	60030	50.04%	1.750	31.18%	61.705	9.56%
Re-Cleaner Con 2	5.61%	53320	21.19%	1.565	13.29%	64.163	4.74%
Re-Cleaner Con 3	3.13%	40270	8.93%	1.544	7.32%	66.583	2.75%
Re-Cleaner Con 4	0.97%	13390	0.92%	1.275	1.86%	71.594	0.91%
Re-Cleaner Con 5	0.99%	6000	0.42%	0.994	1.49%	73.856	0.96%
Re-Cleaner Con 1-5	22.47%	51212	81.49%	1.621	55.14%	63.960	18.92%

Sighter Flotation Test #2 - P80 0.18mm - Oleic Acid

		Li_2O		Fe_2O_3		SiO_2	
	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Re-Cleaner Con 1	16.19%	58660	69.78%	1.684	41.02%	62.871	13.43%
Re-Cleaner Con 2	3.93%	48380	13.96%	1.753	10.36%	64.417	3.34%
Re-Cleaner Con 3	3.42%	13240	3.33%	1.038	5.35%	71.752	3.24%
Re-Cleaner Con 4	1.38%	5950	0.61%	0.860	1.79%	73.289	1.34%
Re-Cleaner Con 1-4	24.92%	47872	87.68%	1.560	58.52%	64.913	21.35%

Sighter Flotation Test #3 - P80 0.106mm - Flotinor 7801

		Li_2O		Fe_2O_3		SiO_2	
	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Re-Cleaner Con 1	12.67%	58750	52.85%	2.981	41.03%	60.024	10.08%
Re-Cleaner Con 2	5.01%	53430	18.99%	2.586	14.06%	62.024	4.11%
Re-Cleaner Con 3	3.13%	43030	9.56%	2.418	8.22%	63.956	2.65%
Re-Cleaner Con 4	2.44%	17540	3.04%	1.603	4.25%	70.328	2.27%
Re-Cleaner Con 5	1.86%	7110	0.94%	1.108	2.23%	73.754	1.81%
Re-Cleaner Con 1-5	25.11%	47904	85.37%	2.560	69.80%	62.930	20.93%

Sighter Flotation Test #4 - P80 0.106mm - Oleic Acid

		Li_2O		Fe_2O_3		SiO_2	
	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Re-Cleaner Con 1	16.79%	55460	64.89%	2.825	49.72%	60.762	13.56%
Re-Cleaner Con 2	6.33%	44850	19.78%	2.425	16.09%	63.254	5.32%
Re-Cleaner Con 3	3.44%	17760	4.26%	1.827	6.60%	69.054	3.16%
Re-Cleaner Con 4	2.44%	6730	1.14%	0.963	2.46%	75.260	2.44%
Re-Cleaner Con 1-4	29.00%	44571	90.08%	2.463	74.87%	63.509	24.48%

Blue = Calculated

	SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
		kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O
	Wet Screen																									
	MO17DD001 Comp																									
	Assay Head		17620	0.953	16.050	74.305	<0.001	0.089	0.004	0.112	0.126	0.007	0.009	3.244	0.001	0.185	0.023	2.634	796	0.43						
	MO17DD001 Comp Wet Screening																									
	Calc. Head	18.478	17501	0.356	15.905	74.694	0.005	0.088	0.003	0.110	0.109	0.005	0.006	3.261	0.000	0.175	0.022	2.705	791	0.53	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	Size (mm)																									
	+0.5	14.835	18540	0.338	16.056	74.639	0.006	0.084	0.003	0.102	0.095	0.004	0.005	3.172	<0.001	0.162	0.019	2.699	781	0.51	80.28%	85.05%	76.20%	80.23%	78.10%	80.10%
	-0.5	3.643	13270	0.430	15.288	74.917	0.003	0.102	0.005	0.143	0.168	0.008	0.012	3.623	0.002	0.230	0.036	2.731	832	0.59	19.72%	14.95%	23.80%	19.77%	21.90%	19.90%
	+0.5mm Batch Reflux Classifier																									
	MO17DD001 Comp P100 3.35mm +0.5mm																									
	Assay Head		18540	0.338	16.056	74.639	0.006	0.084	0.003	0.102	0.095	0.004	0.005	3.172	<0.001	0.162	0.019	2.699	781	0.51						
	MO17DD001 Comp P100 3.35mm +0.5mm Batch Reflux Classifier																									
	Calc. Head	14.375	19875	0.327	16.384	74.168	0.001	0.082	0.001	0.105	0.065	0.004	0.009	3.179	0.002	0.141	0.009	2.602	792	0.54	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	Batch RC																									
T	Flow 1	0.001	7590	2.269	23.163	60.573	0.126	0.163	0.034	0.041	0.098	0.002	0.019	1.865	0.004	0.157	0.081	6.794	2599	3.34	0.00%	0.00%	0.03%	0.00%	0.00%	0.01%
T	Flow 2	0.005	7590	2.269	23.163	60.573	0.126	0.163	0.034	0.041	0.098	0.002	0.019	1.865	0.004	0.157	0.081	6.794	2599	3.34	0.04%	0.01%	0.26%	0.03%	0.02%	0.10%
T	Flow 3	0.030	6620	1.528	20.784	65.960	0.021	0.124	0.005	0.042	0.045	0.002	0.014	1.671	0.002	0.072	0.013	6.448	2396	2.21	0.21%	0.07%	0.97%	0.18%	0.11%	0.52%
T	Flow 4	0.113	5190	0.810	15.588	73.878	0.011	0.082	0.005	0.056	0.022	0.003	0.009	2.534	0.003	0.089	0.005	4.862	1566	1.17	0.79%	0.21%	1.95%	0.78%	0.63%	1.47%
T	Flow 5	0.326	5410	0.401	14.066	76.544	0.003	0.051	0.001	0.069	0.015	0.003	0.005	3.267	0.003	0.102	0.018	3.992	1203	0.68	2.27%	0.62%	2.78%	2.34%	2.33%	3.48%
T	Flow 6	0.356	6870	0.324	13.931	76.844	<0.001	0.051	0.003	0.080	0.016	0.002	0.009	3.549	0.002	0.119	0.006	3.544	1025	0.60	2.48%	0.86%	2.45%	2.57%	2.76%	3.37%
T	Flow 7	0.655	8940	0.297	14.217	76.659	0.004	0.053	0.002	0.084	0.019	0.003	0.007	3.479	0.003	0.126	<0.001	3.416	1007	0.49	4.55%	2.05%	4.13%	4.71%	4.98%	5.98%
T	Flow 8	0.464	11360	0.285	14.713	76.235	0.002	0.059	0.001	0.091	0.025	0.002	0.008	3.481	0.003	0.132	<0.001	3.133	899	0.48	3.23%	1.84%	2.81%	3.32%	3.53%	3.89%
T	Flow 9	0.689	12160	0.282	14.743	76.071	0.002	0.066	0.001	0.101	0.025	0.004	0.006	3.413	0.003	0.154	0.007	3.142	901	0.44	4.80%	2.93%	4.13%	4.92%	5.15%	5.79%
	Remains	11.616	22110	0.320	16.777	73.762	<0.001	0.087	0.001	0.109	0.056	0.004	0.009	3.144	0.002	0.143	0.010	2.411	741	0.53	80.81%	89.89%	79.04%	80.36%	79.91%	74.88%
T	Residue	0.121	35820	0.563	18.919	69.639	0.004	0.156	0.008	0.184	1.891	0.021	0.026	2.190	<0.001	0.276	0.007	1.614	537	0.47	0.84%	1.52%	1.45%	0.79%	0.58%	0.52%
	+0.5mm Dense Media Separation																									
	MO17DD001 Comp P100 3.35mm +0.5mm Batch RC Remains																									
	Assay Head		22110	0.320	16.777	73.762	<0.001	0.087	0.001	0.109	0.056	0.004	0.009	3.144	0.002	0.143	0.010	2.411	741	0.53						
	MO17DD001 Comp P100 3.35mm +0.5mm Batch RC Remains Batch Reflux Classifier																									
	Calc. Head	11.424	20735	0.334	16.576	73.910	0.007	0.093	0.001	0.117	0.164	0.003	0.006	3.114	0.002	0.170	0.012	2.542	734	0.50	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	DMS100																									
C	SG 2.95 Underflow	2.752	63120	0.412	24.138	66.201	0.014	0.131	0.003	0.100	0.556	0.005	0.005	0.579	<0.001	0.139	0.024	0.545	196	0.41	24.09%	73.34%	29.69%	21.58%	4.48%	5.16%
	SG 2.95 Overflow	3.845	14740	0.490	14.840	76.300	0.008	0.130	0.002	0.152	0.067	0.006	0.009	3.120	0.002	0.218	<0.001	2.046	719	0.69	33.66%	23.93%	49.33%	34.75%	33.72%	27.09%
T	SG 2.7 Overflow	4.827	1340	0.166	13.646	76.401	0.003	0.042	<0.001	0.099	0.018	<0.001	0.005	4.555	0.003	0.149	0.014	4.077	1053	0.39	42.25%	2.73%	20.98%	43.67%	61.80%	67.75%
	-0.5mm Cyclone Deslime																									
	MO17DD001 Comp P100 3.35mm -0.5mm																									
	Assay Head		13270	0.430	15.288	74.917	0.003	0.102	0.005	0.143	0.168	0.008	0.012	3.623	0.002	0.230	0.036	2.731	832	0.59						
	MO17DD001 Comp P100 3.35mm -0.5mm Cyclone Deslime																									
	Calc. Head	3.621	13346	0.528	15.187	75.080	0.003	0.102	0.003	0.141	0.181	0.008	0.012	3.589	0.000	0.228	0.016	2.655	824	0.59	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	Cyclone																									
	Underflow	3.559	13390	0.484	15.123	75.284	0.002	0.098	0.003	0.138	0.182	0.008	0.012	3.590	<0.001	0.221	0.013	2.627	813	0.55	98.30%	98.63%	90.18%	98.57%	98.34%	97.27%
T	Overflow	0.061	10820	3.054	18.903	63.254	0.032	0.320	0.017	0.335	0.113	0.007	0.013	3.507	0.013	0.626	0.200	4.281	1455	2.93	1.70%	1.37%	9.82%	1.43%	1.66%	2.73%

	SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
		kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O
	Float Feed Compositing																									
	MO17DD001 Comp FS A Float Feed Comp																									
	Assay Head		12480	0.532	15.419	74.929	<0.001	0.113	0.005	0.156	0.138	0.007	0.014	3.711	<0.001	0.229	0.025	2.618	742	0.59						
	MO17DD001 Comp FS A Float Feed Comp Cyclone Deslime																									
	Calc. Head	7.092	14105	0.487	14.973	75.822	0.005	0.115	0.002	0.145	0.121	0.007	0.010	3.341	0.001	0.219	0.006	2.319	763	0.62	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	Fraction																									
	+0.5mm Batch RC Remains DMS100 SG 2.95 Overflow	3.757	14740	0.490	14.840	76.300	0.008	0.130	0.002	0.152	0.067	0.006	0.009	3.120	0.002	0.218	<0.001	2.046	719	0.69	52.98%	55.36%	53.28%	53.31%	49.47%	46.74%
	-0.5mm Cyclone Underflow	3.335	13390	0.484	15.123	75.284	0.002	0.098	0.003	0.138	0.182	0.008	0.012	3.590	<0.001	0.221	0.013	2.627	813	0.55	47.02%	44.64%	46.72%	46.69%	50.53%	53.26%
	Sighter Flotation #6																									
	MO17DD001 Comp FS A Float Feed Comp P80 0.180mm																									
	Assay Head		12480	0.532	15.419	74.929	<0.001	0.113	0.005	0.156	0.138	0.007	0.014	3.711	<0.001	0.229	0.025	2.618	742	0.59						
	MO17DD001 Comp FS A Float Feed Comp P80 0.180mm Sighter Flotation Test #2																									
	Calc. Head	0.397	13608	0.665	14.665	75.771	0.004	0.099	0.004	0.126	0.107	0.005	0.011	3.397	0.000	0.228	0.026	2.361	758	0.76	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	Float																									
C	Re-Cleaner Con 1	0.064	58660	1.684	22.980	62.871	0.006	0.381	0.017	0.523	0.482	0.020	0.039	0.880	<0.001	0.985	0.044	0.761	268	1.20	16.19%	69.78%	41.02%	13.43%	4.19%	5.22%
C	Re-Cleaner Con 2	0.016	48380	1.753	21.762	64.417	0.004	0.339	0.017	0.446	0.394	0.017	0.032	1.321	<0.001	0.854	0.042	1.373	491	1.25	3.93%	13.96%	10.36%	3.34%	1.53%	2.28%
C	Re-Cleaner Con 3	0.014	13240	1.038	16.811	71.752	0.003	0.093	0.008	0.078	0.080	0.005	0.011	3.176	<0.001	0.178	0.058	3.313	1156	1.53	3.42%	3.33%	5.35%	3.24%	3.20%	4.80%
T	Re-Cleaner Con 4	0.006	5950	0.860	15.616	73.289	0.006	0.059	0.011	0.032	0.024	0.003	0.005	3.774	0.001	0.103	0.060	3.685	1254	1.63	1.38%	0.61%	1.79%	1.34%	1.54%	2.16%
T	Re-Cleaner Tail	0.050	4210	0.587	14.155	76.550	0.002	0.042	0.001	0.027	0.016	0.002	0.003	3.698	<0.001	0.047	0.050	3.232	1123	0.92	12.61%	3.90%	11.14%	12.74%	13.73%	17.27%
T	Cleaner Tail	0.045	2670	0.431	12.785	78.817	0.002	0.030	<0.001	0.027	0.012	0.002	0.002	3.887	<0.001	0.036	0.022	2.831	898	0.69	11.25%	2.21%	7.30%	11.71%	12.88%	13.49%
T	Rougher Tail	0.203	1650	0.299	11.862	80.194	0.005	0.022	<0.001	0.027	0.013	0.001	0.004	4.175	<0.001	0.034	0.011	2.525	772	0.48	51.21%	6.21%	23.04%	54.20%	62.93%	54.77%

	SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
		kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O
	Circuit Summary MO17DD001 Comp Flow Sheet A																									
	MO17DD001 Comp																									
	Assay Head		17620	0.953	16.050	74.305	<0.001	0.089	0.004	0.112	0.126	0.007	0.009	3.244	0.001	0.185	0.023	2.634	796	0.43						
	MO17DD001 Comp Flowsheet A Circuit Summary																									
	Calc. Head	151.000	17491	0.449	15.891	74.423	0.005	0.084	0.002	0.109	0.152	0.003	0.008	3.264	0.001	0.179	0.020	2.715	792	0.58	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	Fraction																									
C	Concentrate	38.252	58225	0.868	23.273	65.519	0.011	0.208	0.008	0.232	0.500	0.010	0.016	0.850	<0.001	0.410	0.032	0.809	287	0.73	25.33%	84.33%	48.94%	22.30%	6.60%	7.55%
T	Tailing	112.748	3671	0.307	13.386	77.443	0.004	0.041	0.001	0.068	0.034	0.001	0.005	4.083	0.002	0.101	0.016	3.361	963	0.53	74.67%	15.67%	51.06%	77.70%	93.40%	92.45%

Masses calculated as equivalent dry

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment			
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2
MO17DD002 Comp P100 3.35mm																							
Assay Head		13970	0.902	16.006	73.589	0.002	0.092	0.004	0.129	0.101	0.005	0.011	3.817	0.002	0.188	0.020	2.959	823	0.42				
MO17DD002 Comp P100 3.35mm Wet Screening																							
Calc. Head	18.821	13900	0.374	16.217	73.692	0.005	0.088	0.003	0.127	0.086	0.005	0.009	3.877	0.001	0.186	0.026	3.069	806	0.55	100.00%	100.00%	100.00%	100.00%
Size (mm)																							
+0.5	14.652	14790	0.348	16.427	73.521	0.006	0.083	0.002	0.120	0.071	0.004	0.008	3.853	0.001	0.175	0.024	3.063	801	0.53	77.85%	82.84%	72.50%	77.67%
-0.5	4.169	10770	0.464	15.479	74.291	<0.001	0.107	0.005	0.153	0.138	0.007	0.012	3.962	0.001	0.224	0.032	3.090	824	0.62	22.15%	17.16%	27.50%	22.33%

Masses calculated as equivalent dry

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	Mica	STAGE Deportment				
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	%	Yield	Li2O	Fe2O3	SiO2	Mica

Batch RC Parameters

Parameters	Collection time (min)	Flowrate (L/hr)
Flow 1	45	1286
Flow 2	45	2158
Flow 3	45	2786
Flow 4	45	3144
Flow 5	45	3392
Flow 6	45	3526
Flow 7	45	3692
Flow 8	45	3842
Flow 9	45	4026
Remains		
Residue		

Parameters	Value
Vessel dimension (mm)	60 x 100
Channel length (m)	1
Inclined angle (°)	70
Channel number	3
Plate thickness (mm)	0.55
Channel spacing (mm)	20.00
Operational mode	Batch

MO17DD002 Comp P100 3.35mm +0.5mm

Assay Head		14790	0.348	16.427	73.521	0.006	0.083	0.002	0.120	0.071	0.004	0.008	3.853	0.001	0.175	0.024	3.063	801	0.53						

MO17DD002 Comp P100 3.35mm +0.5mm Batch Reflux Classifier

Calc. Head	14.272	16201	0.368	16.367	73.687	0.006	0.089	0.005	0.119	0.068	0.003	0.005	3.599	0.002	0.172	0.028	3.030	784	0.48	2.10		100.00%	100.00%	100.00%	100.00%	100.00%
Batch RC																									
Flow 1	0.001	6870	2.050	22.540	60.666	0.054	0.121	0.055	0.061	0.051	0.004	0.015	2.304	0.002	0.207	0.173	6.635	2421	3.49	92.57		0.00%	0.00%	0.03%	0.00%	0.21%
Flow 2	0.003	6870	2.050	22.540	60.666	0.054	0.121	0.055	0.061	0.051	0.004	0.015	2.304	0.002	0.207	0.173	6.635	2421	3.49	92.57		0.02%	0.01%	0.13%	0.02%	1.03%
Flow 3	0.018	6610	1.729	23.298	62.074	0.020	0.102	0.008	0.039	0.055	<0.001	0.014	1.778	<0.001	0.073	0.162	7.142	2472	2.51	61.83		0.12%	0.05%	0.59%	0.11%	3.67%
Flow 4	0.092	4610	0.914	17.559	70.568	0.012	0.063	0.005	0.054	0.030	<0.001	0.008	2.765	0.003	0.088	0.036	5.751	1738	1.36	26.19		0.64%	0.18%	1.59%	0.61%	7.98%
Flow 5	0.352	4250	0.456	14.979	74.675	0.006	0.048	0.003	0.071	0.020	0.002	0.005	3.703	0.003	0.115	0.039	4.485	1193	0.72	8.53		2.47%	0.65%	3.06%	2.50%	9.99%
Flow 6	0.417	4950	0.360	14.656	75.316	0.006	0.048	0.003	0.082	0.021	<0.001	0.006	3.965	0.004	0.118	0.020	4.060	1065	0.57	6.24		2.92%	0.89%	2.86%	2.99%	8.66%
Flow 7	0.578	6630	0.323	14.749	75.471	0.005	0.056	0.002	0.091	0.017	0.002	0.005	3.937	0.003	0.144	0.032	3.744	937	0.47	4.48		4.05%	1.66%	3.56%	4.14%	8.62%
Flow 8	0.679	8680	0.294	14.905	75.204	0.005	0.059	0.005	0.102	0.016	0.003	0.005	4.019	0.004	0.162	0.033	3.561	908	0.44	4.36		4.75%	2.55%	3.80%	4.85%	9.85%
Flow 9	0.767	10170	0.293	15.224	74.980	0.003	0.064	0.002	0.108	0.019	0.005	0.009	4.106	0.004	0.159	0.022	3.306	862	0.42	2.09		5.38%	3.37%	4.29%	5.47%	5.34%
Remains	11.291	18370	0.368	16.689	73.399	0.006	0.097	0.005	0.125	0.066	0.003	0.004	3.522	0.002	0.179	0.027	2.835	730	0.46	1.16		79.12%	89.71%	79.21%	78.81%	43.62%
Residue	0.075	28620	0.620	17.949	69.928	0.011	0.146	0.021	0.167	2.214	0.025	0.030	2.585	<0.001	0.264	0.065	2.166	596	0.48	4.13		0.52%	0.93%	0.89%	0.50%	1.03%

Flow 1+2

Flow 3

Flow 4

Flow 5

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	Mica	STAGE Deportment				
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	%	Yield	Li2O	Fe2O3	SiO2	Mica

Flow 6

Flow 7

Flow 8

Flow 9

Remains

Residue

Orange = combined for analysis purposes

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	SG	STAGE Deportment			
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%		Yield	Li2O	Fe2O3	SiO2

DMS100 Operating Parameters

Parameter	SG 2.7	SG 2.95
Cyclone Diameter (mm)	100	100
Spigot (mm)	35	25
Media	270D	270D
Feed Media Density	2.040	2.220
Overflow Media Density	1.730	2.030
Underflow Media Density	2.770	3.110
Tracer Size (mm)	2	2

DMS100 Partition Curve

Tracers Reporting to UF	No. Beads	SG 2.7	SG 2.95
2.55	20	0	
2.60	20	0	
2.65	20	4	
2.70	20	10	0
2.75	20	19	0
2.80	20	20	0
2.85	20	20	2
2.90	20	20	6
2.95	20		11
3.00	20		16
3.05	20		20
3.10	20		20

MO17DD002 Comp P100 3.35mm +0.5mm Batch RC Remains

Assay Head		18370	0.368	16.689	73.399	0.006	0.097	0.005	0.125	0.066	0.003	0.004	3.522	0.002	0.179	0.027	2.835	730	0.46					

MO17DD002 Comp P100 3.35mm +0.5mm Batch RC Remains Dense Media Separation (DMS100)

Calc. Head	11.035	17059	0.373	16.557	73.467	0.004	0.085	0.003	0.125	0.086	0.003	0.005	3.621	0.002	0.195	0.059	2.884	745	0.49		100.00%	100.00%	100.00%	100.00%
DMS100																								
SG 2.95 Underflow	1.970	63490	0.477	23.955	66.740	0.007	0.133	0.006	0.099	0.256	0.004	0.004	0.627	0.002	0.137	0.033	0.534	185	0.40		17.85%	66.44%	22.84%	16.22%
SG 2.95 Overflow	3.824	14410	0.581	15.616	74.964	0.005	0.122	0.004	0.158	0.095	0.004	0.009	3.369	0.002	0.251	0.135	2.168	671	0.68		34.65%	29.27%	53.98%	35.36%
SG 2.7 Overflow	5.241	1540	0.182	14.462	74.903	0.002	0.039	0.002	0.110	0.015	0.002	0.003	4.930	0.003	0.176	0.013	4.290	1010	0.38		47.50%	4.29%	23.18%	48.43%

Blue = Calculated

SAMPLE	Mass	Disc Height	Temperature	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment			
	kg	mm	°c	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2
MO17DD002 Comp P100 3.35mm +0.5mm Batch RC Remains DMS100 SG 2.95 UF																									
Assay Head				63490	0.477	23.955	66.740	0.007	0.133	0.006	0.099	0.256	0.004	0.004	0.627	0.002	0.137	0.033	0.534	185	0.40				
MO17DD002 Comp P100 3.35mm +0.5mm Batch RC Remains DMS100 SG 2.95 UF Magnetic Characterisation																									
Calc. Head	1.872			63272	0.471	24.124	66.485	0.002	0.127	0.003	0.108	0.243	0.007	0.012	0.615	0.000	0.141	0.025	0.540	181	0.40	100.00%	100.00%	100.00%	100.00%
Fraction																									
8300G Magnetic 1	0.011	4.6	Room	57500	8.542	13.762	40.761	0.014	7.097	0.028	7.076	0.319	0.011	0.043	0.949	0.002	1.909	0.102	1.099	386	0.57	0.58%	0.52%	10.43%	0.35%
8300G Magnetic 2	0.000	4.6	100	38980	7.248	14.821	48.747	0.038	4.400	0.035	4.843	0.188	0.035	0.086	1.741	0.003	2.924	0.237	1.801	666	0.90	0.02%	0.01%	0.33%	0.02%
9300G Magnetic 3	0.006	3.7	Room	38980	7.248	14.821	48.747	0.038	4.400	0.035	4.843	0.188	0.035	0.086	1.741	0.003	2.924	0.237	1.801	666	0.90	0.32%	0.20%	4.95%	0.24%
Non Magnetic	1.855			63390	0.401	24.216	66.696	0.002	0.072	0.003	0.051	0.243	0.007	0.012	0.609	<0.001	0.121	0.024	0.532	178	0.40	99.08%	99.26%	84.28%	99.39%

8,300 Gauss Magnetic 1

8,300 Gauss Magnetic 2

9,300 Gauss Magnetic 3

Non-Magnetic

Maroon = combined for analysis purposes

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment			
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2

Cyclone Operating Parameters

Parameter	
Cyclone (inch)	2
Vortex Finder (mm)	11
Spigot (mm)	9.4
Pressure (kPa)	200
Cut Point (COF P80) (mm)	0.010
% Solids	20

MO17DD002 Comp P100 3.35mm -0.5mm

Assay Head		10770	0.464	15.479	74.291	<0.001	0.107	0.005	0.153	0.138	0.007	0.012	3.962	0.001	0.224	0.032	3.090	824	0.62				

MO17DD002 Comp P100 3.35mm -0.5mm Cyclone Deslime

Calc. Head	4.001	10760	0.495	15.438	74.327	0.001	0.107	0.005	0.156	0.139	0.004	0.016	3.972	0.002	0.225	0.026	3.023	858	0.57		100.00%	100.00%	100.00%	100.00%
Cyclone																							
Underflow	3.939	10780	0.469	15.380	74.486	0.001	0.104	0.005	0.153	0.140	0.004	0.016	3.974	0.002	0.220	0.022	3.000	850	0.54		98.46%	98.64%	93.24%	98.67%
Overflow	0.062	9490	2.167	19.136	64.183	0.017	0.295	0.015	0.319	0.082	0.005	0.013	3.817	0.011	0.559	0.266	4.506	1356	2.78		1.54%	1.36%	6.76%	1.33%

Mass calculated as equivalent dry

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment			
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2
MO17DD002 Comp FS A Float Feed Comp																							
Assay Head		12480	0.532	15.419	74.929	<0.001	0.113	0.005	0.156	0.138	0.007	0.014	3.711	<0.001	0.229	0.025	2.618	742	0.59				
MO17DD002 Comp FS A Float Feed Comp																							
Calc. Head	7.583	12575	0.524	15.497	74.722	0.003	0.113	0.005	0.155	0.118	0.004	0.013	3.675	0.002	0.235	0.078	2.588	761	0.61	100.00%	100.00%	100.00%	100.00%
Fraction																							
+0.5mm Batch RC Remains DMS100 SG 2.95 Overflow	3.750	14410	0.581	15.616	74.964	0.005	0.122	0.004	0.158	0.095	0.004	0.009	3.369	0.002	0.251	0.135	2.168	671	0.68	49.46%	56.68%	54.80%	49.62%
-0.5mm Cyclone Underflow	3.832	10780	0.469	15.380	74.486	0.001	0.104	0.005	0.153	0.140	0.004	0.016	3.974	0.002	0.220	0.022	3.000	850	0.54	50.54%	43.32%	45.20%	50.38%

Masses calculated as equivalent dry

Blue = Calculated

SAMPLE	Mass	STAGE Deportment
	kg	Yield

MO17DD002 Comp FS A Float Feed Comp P80 0.18mm

Assay Head

MO17DD002 Comp FS A Float Feed Comp P80 0.18mm Particle Size Distribution

Size (mm)		
Calc. Head	0.217	100.00%
+0.25	0.008	3.50%
+0.18	0.026	11.83%
+0.15	0.019	8.79%
+0.125	0.026	11.88%
+0.106	0.019	8.56%
+0.09	0.029	13.49%
+0.063	0.026	12.02%
+0.045	0.017	7.83%
+0.038	0.009	4.01%
-0.038	0.039	18.09%

SAMPLE	Mass	STAGE Deportment
	kg	Yield

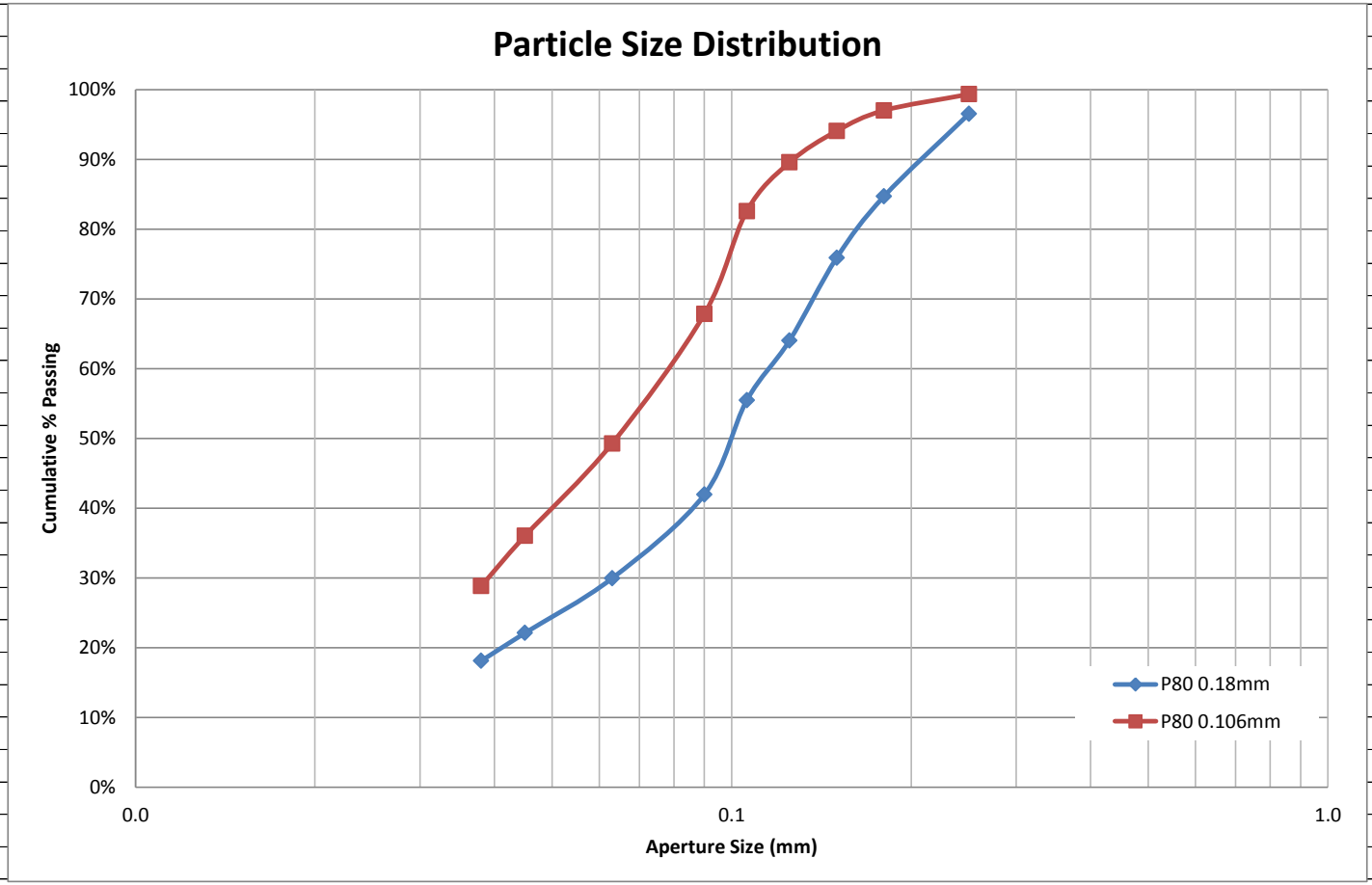
MO17DD002 Comp FS A Float Feed Comp P80 0.106mm

Assay Head

MO17DD002 Comp FS A Float Feed Comp P80 0.106mm Particle Size Distribution

Size (mm)		
Calc. Head	0.193	100.00%
+0.25	0.001	0.67%
+0.18	0.005	2.33%
+0.15	0.006	2.95%
+0.125	0.009	4.50%
+0.106	0.014	6.98%
+0.09	0.029	14.74%
+0.063	0.036	18.57%
+0.045	0.026	13.24%
+0.038	0.014	7.19%
-0.038	0.056	28.82%

SAMPLE	Mass	STAGE Deportment
	kg	Yield



Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Sighter Three-Stage Flotation #5 Parameters

Parameters	Time		Data						Reagents						
Stage	Cond'n	Float	Pulp Density	pH	ORP (Ag/AgCl)	Temp.	Water Type	RPM	Sodium Carbonate (10%)	Na2SiO3 (2.35 ratio)	Flotinor 7801	Oleic Acid	Pine Oil	HCl (10%)	
	min	min	%w/v		mV	°C			mL	g/t	g/t	g/t	Drops	mL	
Initial			32.07	8.04	193	27	Perth Tap	1200							
Rougher Con 1	10+10	1	32.07	8.04	209	28	Perth Tap	1200/900	0.33	50	500			0.08	
Rougher Con 2		1	32.07	8.08	212	28	Perth Tap	900							
Rougher Con 3		1	32.07	8.05	215	28	Perth Tap	900							
Rougher Con 4		1	32.07	8.08	227	27	Perth Tap	900							
Rougher Con 5	5+5	1	32.07	7.98	223	29	Perth Tap	900	0.24	20	300			0.01	
Rougher Con 6		1	32.07	8.05	225	29	Perth Tap	900							
Rougher Con 7		1	32.07	7.99	230	29	Perth Tap	900							
Rougher Con 8		1	32.07	8.03	226	29	Perth Tap	900							
Rougher Con 9		1	32.07	8.07	230	29	Perth Tap	900							
Rougher Con 10		1	32.07	8.08	236	31	Perth Tap	900							
Rougher Con 1-10 combined for Cleaner Flotation. Cleaner Flotation conducted in Rougher Con Filtrate															
Cleaner Con 1	10+10	1	14.74	8.07	221	30	Ro Con Filtrate	1200/900	0.06	50	200			0.04	
Cleaner Con 2		1	14.74	7.92	229	30	Ro Con Filtrate	900						0.01	
Cleaner Con 3		1	14.74	7.99	228	30	Ro Con Filtrate	900							
Cleaner Con 4		1	14.74	8.03	226	32	Ro Con Filtrate	900							
Cleaner Con 5	5+5	1	14.74	8.06	233	29	Ro Con Filtrate	900		20	100			0.04	
Cleaner Con 6		1	14.74	8.02	236	29	Ro Con Filtrate	900							
Cleaner Con 7		1	14.74	8.05	235	29	Ro Con Filtrate	900							
Cleaner Con 8	5+5	1	14.74	8.05	234	29	Ro Con Filtrate	900		10	50				
Cleaner Con 9		1	14.74	7.90	243	28	Ro Con Filtrate	900							
Cleaner Con 10		1	14.74	8.02	239	28	Ro Con Filtrate	900						0.01	
Cleaner Con 1-10 combined for Re-Cleaner Flotation. Re-Cleaner Flotation conducted in Cleaner Con Filtrate															
Re-Cleaner Con 1	10+10	1	9.34	8.07	226	27	Cl Con Filtrate	1200/900		30	100			0.01	
Re-Cleaner Con 2		1	9.34	8.10	225	27	Cl Con Filtrate	900							
Re-Cleaner Con 3	5+5	2	9.34	7.93	238	27	Cl Con Filtrate	900		10	50			0.05	
Re-Cleaner Con 4		2	9.34	8.10	236	26	Cl Con Filtrate	900							
Re-Cleaner Con 5		2	9.34	7.98	245	25	Cl Con Filtrate	900						0.01	

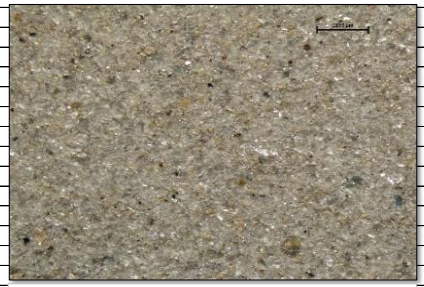
MO17DD002 Comp FS A Float Feed Comp P80 0.180mm

Assay Head		12480	0.532	15.419	74.929	0.000	0.113	0.005	0.156	0.138	0.007	0.014	3.711	0.000	0.229	0.025	2.618	742	0.59						

MO17DD002 Comp FS A Float Feed Comp P80 0.180mm Sighter Float Test #5

Calc. Head	0.401	12780	0.694	15.363	74.630	0.004	0.115	0.006	0.152	0.109	0.006	0.014	3.743	0.002	0.230	0.019	2.589	723	0.64		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Float																										
Re-Cleaner Con 1	0.024	58550	2.719	23.028	56.745	0.009	1.039	0.049	1.540	1.202	0.032	0.086	0.775	<0.001	2.382	0.058	1.112	380	0.52		5.89%	26.97%	23.06%	4.48%	1.22%	2.53%
Re-Cleaner Con 2	0.014	57260	2.108	24.451	60.390	0.009	0.495	0.022	0.633	0.504	0.024	0.055	0.932	0.003	1.012	0.054	1.426	492	0.70		3.44%	15.42%	10.45%	2.79%	0.86%	1.90%
Re-Cleaner Con 3	0.016	54060	1.766	24.621	62.242	0.010	0.243	0.013	0.246	0.177	0.018	0.041	1.180	0.002	0.438	0.063	1.748	624	1.04		3.89%	16.46%	9.90%	3.25%	1.23%	2.63%
Re-Cleaner Con 4	0.006	38550	1.843	22.168	64.442	0.006	0.160	0.016	0.127	0.118	0.012	0.025	2.146	0.004	0.303	0.083	2.435	798	1.77		1.47%	4.44%	3.91%	1.27%	0.84%	1.38%
Re-Cleaner Con 5	0.005	9260	1.137	16.193	72.230	0.007	0.075	0.007	0.060	0.029	0.002	0.007	3.947	0.004	0.143	0.059	3.361	1020	1.32		1.22%	0.89%	2.00%	1.18%	1.29%	1.59%
Re-Cleaner Tail	0.053	8050	0.623	15.191	75.101	0.001	0.044	0.002	0.040	0.020	0.002	0.009	4.043	0.003	0.061	0.018	2.981	866	0.82		13.22%	8.33%	11.87%	13.30%	14.28%	15.22%
Cleaner Tail	0.067	5050	0.403	13.789	77.387	0.003	0.029	0.002	0.033	0.017	0.002	0.006	4.256	0.004	0.040	0.011	2.778	767	0.60		16.81%	6.64%	9.76%	17.43%	19.12%	18.04%
Rougher Tail	0.217	4930	0.373	13.610	77.735	0.003	0.024	0.001	0.031	0.012	0.003	0.006	4.235	0.002	0.031	0.009	2.717	724	0.55		54.05%	20.85%	29.05%	56.30%	61.16%	56.72%

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O



Re-Cleaner Con 1

Re-Cleaner Con 2

Re-Cleaner Con 3

Re-Cleaner Con 4

Re-Cleaner Con 5

Re-Cleaner Tail

Cleaner Tail

Rougher Tail

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Sighter Three-Stage Flotation #6 Parameters

Parameters	Time		Data						Reagents					
Stage	Cond'n	Float	Pulp Density	pH	ORP (Ag/AgCl)	Temp.	Water Type	RPM	Sodium Carbonate (10%)	Na2SiO3 (2.35 ratio)	Flotinor 7801	Oleic Acid	Pine Oil	HCl (10%)
	min	min	%w/v		mV	°C			mL	g/t	g/t	g/t	Drops	mL
Initial			32	7.67	194	25	Perth Tap	1200						
Rougher Con 1	10+10	1	32	8.01	147	29	Perth Tap	1200/900	1.40	50		1500		
Rougher Con 2		1	32	7.91	137	28	Perth Tap	900						
Rougher Con 3		1	32	7.94	189	28	Perth Tap	900						
Rougher Con 4		1	32	7.99	203	27	Perth Tap	900						
Rougher Con 5	5+5	1	32	8.04	177	29	Perth Tap	900	0.60	20		1000		
Rougher Con 6		1	32	7.99	216	29	Perth Tap	900						
Rougher Con 7		1	32	7.99	206	29	Perth Tap	900						
Rougher Con 8		1	32	8.10	244	27	Perth Tap	900						
Rougher Con 9		1	32	8.07	258	27	Perth Tap	900						
Rougher Con 10		1	32	8.01	220	26	Perth Tap	900						
Rougher Con 1-10 combined for Cleaner Flotation. Cleaner Flotation conducted in Rougher Con Filtrate														
Cleaner Con 1	10+10	1	17	7.96	274	27	Ro Con Filtrate	1200/900	0.10	50		400		
Cleaner Con 2		1	17	8.04	249	26	Ro Con Filtrate	900						
Cleaner Con 3		1	17	8.07	252	26	Ro Con Filtrate	900						
Cleaner Con 4		1	17	8.00	256	26	Ro Con Filtrate	900						
Cleaner Con 5	5+5	1	17	8.09	267	26	Ro Con Filtrate	900	0.10	20		200		
Cleaner Con 6		1	17	8.09	268	26	Ro Con Filtrate	900						
Cleaner Con 7		1	17	8.07	268	26	Ro Con Filtrate	900						0.01
Cleaner Con 8	5+5	1	17	8.04	252	27	Ro Con Filtrate	900	0.20	10		100		0.01
Cleaner Con 9		1	17	8.04	286	26	Ro Con Filtrate	900						
Cleaner Con 10		1	17	8.07	287	26	Ro Con Filtrate	900						
Cleaner Con 1-10 combined for Re-Cleaner Flotation. Re-Cleaner Flotation conducted in Cleaner Con Filtrate														
Re-Cleaner Con 1	10+10	1	12	8.01	226	26	Cl Con Filtrate	1200/900	0.20	30		200		0.01
Re-Cleaner Con 2		1	12	8.08	234	26	Cl Con Filtrate	900						
Re-Cleaner Con 3	5+5	2	12	8.08	30	27	Cl Con Filtrate	900		10		100		
Re-Cleaner Con 4		2	12	8.05	207	26	Cl Con Filtrate	900						0.01

MO17DD002 Comp FS A Float Feed Comp P80 0.180mm

Assay Head		12480	0.532	15.419	74.929	0.000	0.113	0.005	0.156	0.138	0.007	0.014	3.711	0.000	0.229	0.025	2.618	742	0.59						

MO17DD002 Comp FS A Float Feed Comp P80 0.180mm Sighter Float Test #6

Calc. Head	0.393	12695	0.693	15.314	74.617	0.001	0.116	0.005	0.152	0.110	0.004	0.014	3.742	0.001	0.246	0.036	2.576	744	0.79		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Float																									
Re-Cleaner Con 1	0.047	58870	2.229	23.875	59.101	0.004	0.641	0.032	0.903	0.715	0.029	0.067	0.768	0.001	1.459	0.050	1.100	375	1.41		11.91%	55.22%	38.32%	9.43%	2.44%	5.08%
Re-Cleaner Con 2	0.016	47060	1.774	22.890	63.187	0.006	0.318	0.016	0.394	0.273	0.016	0.033	1.472	<0.001	0.704	0.070	1.850	624	1.49		4.10%	15.22%	10.51%	3.48%	1.61%	2.95%
Re-Cleaner Con 3	0.011	17140	1.402	18.346	68.976	0.007	0.137	0.013	0.136	0.079	0.005	0.013	3.203	0.001	0.295	0.100	3.385	1077	1.74		2.77%	3.73%	5.60%	2.56%	2.37%	3.63%
Re-Cleaner Con 4	0.010	7520	0.865	15.773	73.141	0.001	0.059	0.011	0.047	0.029	0.002	0.005	4.146	0.002	0.129	0.082	3.362	1000	1.53		2.52%	1.49%	3.15%	2.47%	2.80%	3.29%
Re-Cleaner Tail	0.061	11400	0.530	15.593	75.078	<0.001	0.042	<0.001	0.033	0.024	0.001	0.005	3.825	<0.001	0.054	0.040	2.802	817	0.79		15.51%	13.93%	11.87%	15.61%	15.85%	16.87%
Cleaner Tail	0.066	4080	0.407	13.671	77.549	<0.001	0.031	0.002	0.031	0.015	<0.001	0.004	4.271	<0.001	0.044	0.039	2.854	806	0.69		16.65%	5.35%	9.78%	17.30%	19.00%	18.44%
Rougher Tail	0.183	1380	0.309	12.744	78.807	<0.001	0.021	<0.001	0.029	0.010	<0.001	0.006	4.497	0.001	0.034	0.020	2.753	769	0.50		46.54%	5.06%	20.76%	49.15%	55.92%	49.73%

Re-Cleaner Con 1

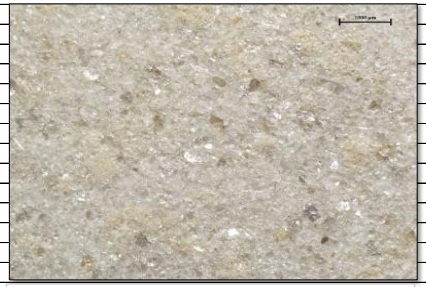
Re-Cleaner Con 2

Re-Cleaner Con 3

Re-Cleaner Con 4

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Re-Cleaner Tail



Cleaner Tail

Rougher Tail

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Sighter Three-Stage Flotation #7 Parameters

Parameters	Time		Data						Reagents						
Stage	Cond'n	Float	Pulp Density	pH	ORP (Ag/AgCl)	Temp.	Water Type	RPM	Sodium Carbonate (10%)	Na2SiO3 (2.35 ratio)	Flotinor 7801	Oleic Acid	Pine Oil	HCl (10%)	
	min	min	%w/v		mV	°C			mL	g/t	g/t	g/t	Drops	mL	
Initial			32	7.74	225	28	Perth Tap	1200							
Rougher Con 1	10+10	1	32	7.94	224	32	Perth Tap	1200/900	0.60	50	500			0.07	
Rougher Con 2		1	32	7.99	227	32	Perth Tap	900							
Rougher Con 3		1	32	8.04	227	32	Perth Tap	900							
Rougher Con 4		1	32	7.96	235	33	Perth Tap	900							
Rougher Con 5	5+5	1	32	7.93	239	32	Perth Tap	900	0.10	20	300				
Rougher Con 6		1	32	7.92	244	33	Perth Tap	900							
Rougher Con 7		1	32	7.98	243	32	Perth Tap	900							
Rougher Con 8		1	32	8.04	241	33	Perth Tap	900							
Rougher Con 9		1	32	8.02	253	33	Perth Tap	900							
Rougher Con 10		1	32	8.00	270	33	Perth Tap	900							
Rougher Con 1-10 combined for Cleaner Flotation. Cleaner Flotation conducted in Rougher Con Filtrate															
Cleaner Con 1	10+10	1	16	8.06	224	31	Ro Con Filtrate	1200/900		50	200			0.04	
Cleaner Con 2		1	16	7.93	238	30	Ro Con Filtrate	900							
Cleaner Con 3		1	16	7.99	237	30	Ro Con Filtrate	900							
Cleaner Con 4		1	16	8.00	237	29	Ro Con Filtrate	900							
Cleaner Con 5	5+5	1	16	7.91	239	29	Ro Con Filtrate	900		20	100				
Cleaner Con 6		1	16	7.99	238	29	Ro Con Filtrate	900							
Cleaner Con 7		1	16	8.04	239	29	Ro Con Filtrate	900							
Cleaner Con 8	5+5	1	16	8.05	240	29	Ro Con Filtrate	900		10	50			0.01	
Cleaner Con 9		1	16	8.00	246	28	Ro Con Filtrate	900							
Cleaner Con 10		1	16	8.02	248	28	Ro Con Filtrate	900							
Cleaner Con 1-10 combined for Re-Cleaner Flotation. Re-Cleaner Flotation conducted in Cleaner Con Filtrate															
Re-Cleaner Con 1	10+10	1	11	7.98	235	35	Cl Con Filtrate	1200/900		30	100				
Re-Cleaner Con 2		1	11	8.05	234	35	Cl Con Filtrate	900							
Re-Cleaner Con 3	5+5	2	11	7.97	241	34	Cl Con Filtrate	900		10	50				
Re-Cleaner Con 4		2	11	8.07	237	33	Cl Con Filtrate	900							
Re-Cleaner Con 5		2	11	8.09	239	32	Cl Con Filtrate	901							

MO17DD002 Comp FS A Float Feed Comp P80 0.106mm

Assay Head		12480	0.532	15.419	74.929	0.000	0.113	0.005	0.156	0.138	0.007	0.014	3.711	0.000	0.229	0.025	2.618	742	0.59						

MO17DD002 Comp FS A Float Feed Comp P80 0.106mm Sighter Float Test #7

Calc. Head	0.390	12621	0.934	15.260	74.557	0.002	0.115	0.007	0.148	0.102	0.005	0.011	3.737	0.000	0.233	0.046	2.585	740	0.61		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Float																										
Re-Cleaner Con 1	0.040	55130	3.549	23.686	58.070	0.010	0.693	0.033	0.962	0.722	0.028	0.063	0.858	<0.001	1.515	0.069	1.642	559	0.37		10.13%	44.25%	38.51%	7.89%	2.33%	6.44%
Re-Cleaner Con 2	0.019	52730	2.783	24.800	60.152	0.004	0.356	0.017	0.414	0.314	0.019	0.042	0.963	<0.001	0.689	0.080	2.071	739	0.73		4.82%	20.14%	14.37%	3.89%	1.24%	3.86%
Re-Cleaner Con 3	0.014	44310	2.399	23.653	62.760	0.007	0.180	0.011	0.147	0.108	0.011	0.021	1.579	0.001	0.300	0.090	2.530	867	1.14		3.48%	12.21%	8.93%	2.93%	1.47%	3.40%
Re-Cleaner Con 4	0.010	10070	1.315	15.736	72.750	0.004	0.069	0.016	0.053	0.027	0.003	0.007	4.055	0.002	0.156	0.080	3.077	905	1.36		2.54%	2.03%	3.58%	2.48%	2.76%	3.03%
Re-Cleaner Con 5	0.008	5760	0.831	14.339	74.949	0.001	0.047	0.016	0.041	0.016	<0.001	0.001	4.518	0.002	0.137	0.071	2.947	820	1.29		2.09%	0.96%	1.86%	2.11%	2.53%	2.39%
Re-Cleaner Tail	0.046	5150	0.541	13.866	77.025	<0.001	0.033	0.002	0.033	0.017	0.002	0.003	4.283	<0.001	0.055	0.068	2.782	775	0.66		11.74%	4.79%	6.80%	12.13%	13.45%	12.63%
Cleaner Tail	0.068	4040	0.469	13.570	77.619	<0.001	0.027	0.001	0.030	0.015	0.001	0.002	4.286	0.001	0.038	0.040	2.787	796	0.62		17.33%	5.55%	8.71%	18.04%	19.88%	18.69%
Rougher Tail	0.187	2660	0.336	12.875	78.719	<0.001	0.021	0.002	0.029	0.009	0.001	0.001	4.398	<0.001	0.033	0.029	2.676	729	0.52		47.87%	10.09%	17.23%	50.54%	56.34%	49.56%

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Re-Cleaner Con 1

Re-Cleaner Con 2

Re-Cleaner Con 3

Re-Cleaner Con 4

Re-Cleaner Con 5

Re-Cleaner Tail

Cleaner Tail

Rougher Tail

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Sighter Three-Stage Flotation #8 Parameters

Parameters	Time		Data						Reagents						
Stage	Cond'n	Float	Pulp Density	pH	ORP (Ag/AgCl)	Temp.	Water Type	RPM	Sodium Carbonate (10%)	Na2SiO3 (2.35 ratio)	Flotinor 7801	Oleic Acid	Pine Oil	HCl (10%)	
	min	min	%w/v		mV	°C			mL	g/t	g/t	g/t	Drops	mL	
Initial			32	7.86	234	27	Perth Tap	1200							
Rougher Con 1	10+10	1	32	7.96	189	31	Perth Tap	1200/900	0.80	50		1500		0.02	
Rougher Con 2		1	32	7.94	182	30	Perth Tap	900							
Rougher Con 3		1	32	8.07	113	29	Perth Tap	900							
Rougher Con 4		1	32	8.02	95	29	Perth Tap	900	0.10						
Rougher Con 5	5+5	1	32	7.95	263	29	Perth Tap	900	1.10	20		1000			
Rougher Con 6		1	32	7.93	261	29	Perth Tap	900							
Rougher Con 7		1	32	8.00	262	29	Perth Tap	900							
Rougher Con 8		1	32	7.91	315	28	Perth Tap	900							
Rougher Con 9		1	32	7.93	287	28	Perth Tap	900							
Rougher Con 10		1	32	7.95	243	28	Perth Tap	900							
Rougher Con 1-10 combined for Cleaner Flotation. Cleaner Flotation conducted in Rougher Con Filtrate															
Cleaner Con 1	10+10	1	21	8.04	256	26	Ro Con Filtrate	1200/900	0.40	50		400			
Cleaner Con 2		1	21	8.02	258	25	Ro Con Filtrate	900							
Cleaner Con 3		1	21	8.03	250	25	Ro Con Filtrate	900							
Cleaner Con 4		1	21	8.06	257	24	Ro Con Filtrate	900							
Cleaner Con 5	5+5	1	21	8.08	262	27	Ro Con Filtrate	900	0.60	20		200		0.01	
Cleaner Con 6		1	21	8.02	262	28	Ro Con Filtrate	900							
Cleaner Con 7		1	21	8.05	260	30	Ro Con Filtrate	900							
Cleaner Con 8	5+5	1	21	7.98	225	28	Ro Con Filtrate	900	0.10	10		100		0.02	
Cleaner Con 9		1	21	8.07	271	28	Ro Con Filtrate	900							
Cleaner Con 10		1	21	8.05	274	27	Ro Con Filtrate	900							
Cleaner Con 1-10 combined for Re-Cleaner Flotation. Re-Cleaner Flotation conducted in Cleaner Con Filtrate															
Re-Cleaner Con 1	10+10	1	15	8.04	236	34	Cl Con Filtrate	1200/900	0.20	30		200			
Re-Cleaner Con 2		1	15	7.99	236	34	Cl Con Filtrate	900						0.01	
Re-Cleaner Con 3	5+5	2	15	8.01	247	31	Cl Con Filtrate	900	0.10	10		100		0.03	
Re-Cleaner Con 4		2	15	7.95	253	30	Cl Con Filtrate	900							

MO17DD002 Comp FS A Float Feed Comp P80 0.106mm

Assay Head		12480	0.532	15.419	74.929	0.000	0.113	0.005	0.156	0.138	0.007	0.014	3.711	0.000	0.229	0.025	2.618	742	0.59						

MO17DD002 Comp FS A Float Feed Comp P80 0.106mm Sighter Float Test #8

Calc. Head	0.391	12863	0.959	15.265	74.325	0.003	0.119	0.005	0.153	0.106	0.005	0.012	3.733	0.001	0.255	0.037	2.567	738	0.77	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Float																									
Re-Cleaner Con 1	0.061	50450	3.129	23.116	60.171	0.011	0.496	0.022	0.654	0.499	0.023	0.054	0.974	<0.001	1.102	0.060	1.855	636	1.27	15.69%	61.53%	51.21%	12.70%	4.09%	11.34%
Re-Cleaner Con 2	0.037	33720	2.094	20.657	66.019	0.007	0.242	0.011	0.278	0.200	0.010	0.020	1.972	<0.001	0.507	0.071	2.489	848	1.31	9.54%	25.00%	20.83%	8.47%	5.04%	9.24%
Re-Cleaner Con 3	0.014	9610	1.243	16.655	71.587	0.007	0.082	0.008	0.067	0.045	0.004	0.007	3.636	0.001	0.157	0.070	3.583	1127	1.52	3.48%	2.60%	4.51%	3.35%	3.39%	4.86%
Re-Cleaner Con 4	0.011	4080	0.665	14.184	75.513	0.004	0.041	0.011	0.035	0.015	0.001	0.005	4.487	0.002	0.092	0.068	3.078	874	1.19	2.89%	0.92%	2.00%	2.93%	3.47%	3.46%
Re-Cleaner Tail	0.065	3290	0.390	13.150	78.155	0.002	0.028	0.002	0.029	0.011	<0.001	0.004	4.401	<0.001	0.046	0.031	2.706	742	0.61	16.57%	4.24%	6.74%	17.42%	19.54%	17.47%
Cleaner Tail	0.076	2140	0.361	13.075	78.222	<0.001	0.024	<0.001	0.030	0.010	<0.001	0.002	4.432	0.001	0.039	0.031	2.821	776	0.59	19.32%	3.21%	7.27%	20.33%	22.94%	21.23%
Rougher Tail	0.127	990	0.219	12.221	79.510	<0.001	0.014	<0.001	0.030	0.008	0.002	<0.001	4.767	0.002	0.033	0.016	2.558	677	0.44	32.52%	2.50%	7.43%	34.79%	41.53%	32.40%

Re-Cleaner Con 1

Re-Cleaner Con 2

Re-Cleaner Con 3

Re-Cleaner Con 4

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Re-Cleaner Tail

Cleaner Tail

Rougher Tail

Blue = Calculated

Sighter Flotation Test Summary

			Li_2O		Fe_2O_3		SiO_2	
Test #	Description	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Test 5	P80 0.18mm - Flotinor 7801	15.91%	51538	64.18%	2.151	49.32%	60.779	12.96%
Test 6	P80 0.18mm - Oleic Acid	21.30%	45093	75.66%	1.872	57.59%	62.834	17.94%
Test 7	P80 0.106mm - Flotinor 7801	23.06%	43545	79.57%	2.722	67.26%	62.364	19.29%
Test 8	P80 0.106mm - Oleic Acid	31.59%	36662	90.05%	2.384	78.55%	64.596	27.46%

Sighter Flotation Test #5 - P80 0.18mm - Flotinor 7801

		Li_2O		Fe_2O_3		SiO_2	
	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Re-Cleaner Con 1	5.89%	58550	26.97%	2.719	23.06%	56.745	4.48%
Re-Cleaner Con 2	3.44%	57260	15.42%	2.108	10.45%	60.390	2.79%
Re-Cleaner Con 3	3.89%	54060	16.46%	1.766	9.90%	62.242	3.25%
Re-Cleaner Con 4	1.47%	38550	4.44%	1.843	3.91%	64.442	1.27%
Re-Cleaner Con 5	1.22%	9260	0.89%	1.137	2.00%	72.230	1.18%
Re-Cleaner Con 1-5	15.91%	51538	64.18%	2.151	49.32%	60.779	12.96%

Sighter Flotation Test #6 - P80 0.18mm - Oleic Acid

		Li_2O		Fe_2O_3		SiO_2	
	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Re-Cleaner Con 1	11.91%	58870	55.22%	2.229	38.32%	59.101	9.43%
Re-Cleaner Con 2	4.10%	47060	15.22%	1.774	10.51%	63.187	3.48%
Re-Cleaner Con 3	2.77%	17140	3.73%	1.402	5.60%	68.976	2.56%
Re-Cleaner Con 4	2.52%	7520	1.49%	0.865	3.15%	73.141	2.47%
Re-Cleaner Con 1-4	21.30%	45093	75.66%	1.872	57.59%	62.834	17.94%

Sighter Flotation Test #7 - P80 0.106mm - Flotinor 7801

		Li_2O		Fe_2O_3		SiO_2	
	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Re-Cleaner Con 1	10.13%	55130	44.25%	3.549	38.51%	58.070	7.89%
Re-Cleaner Con 2	4.82%	52730	20.14%	2.783	14.37%	60.152	3.89%
Re-Cleaner Con 3	3.48%	44310	12.21%	2.399	8.93%	62.760	2.93%
Re-Cleaner Con 4	2.54%	10070	2.03%	1.315	3.58%	72.750	2.48%
Re-Cleaner Con 5	2.09%	5760	0.96%	0.831	1.86%	74.949	2.11%
Re-Cleaner Con 1-5	23.06%	43545	79.57%	2.722	67.26%	62.364	19.29%

Sighter Flotation Test #8 - P80 0.106mm - Oleic Acid

		Li_2O		Fe_2O_3		SiO_2	
	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Re-Cleaner Con 1	15.69%	50450	61.53%	3.129	51.21%	60.171	12.70%
Re-Cleaner Con 2	9.54%	33720	25.00%	2.094	20.83%	66.019	8.47%
Re-Cleaner Con 3	3.48%	9610	2.60%	1.243	4.51%	71.587	3.35%
Re-Cleaner Con 4	2.89%	4080	0.92%	0.665	2.00%	75.513	2.93%
Re-Cleaner Con 1-4	31.59%	36662	90.05%	2.384	78.55%	64.596	27.46%

Blue = Calculated

	SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
		kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O
	Wet Screen																									
	MO17DD002 Comp																									
	Assay Head		13970	0.902	16.006	73.589	0.002	0.092	0.004	0.129	0.101	0.005	0.011	3.817	0.002	0.188	0.020	2.959	823	0.42						
	MO17DD002 Comp Wet Screening																									
	Calc. Head	18.821	13900	0.374	16.217	73.692	0.005	0.088	0.003	0.127	0.086	0.005	0.009	3.877	0.001	0.186	0.026	3.069	806	0.55	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	Size (mm)																									
	+0.5	14.652	14790	0.348	16.427	73.521	0.006	0.083	0.002	0.120	0.071	0.004	0.008	3.853	0.001	0.175	0.024	3.063	801	0.53	77.85%	82.84%	72.50%	77.67%	77.37%	77.70%
	-0.5	4.169	10770	0.464	15.479	74.291	<0.001	0.107	0.005	0.153	0.138	0.007	0.012	3.962	0.001	0.224	0.032	3.090	824	0.62	22.15%	17.16%	27.50%	22.33%	22.63%	22.30%
	+0.5mm Batch Reflux Classifier																									
	MO17DD002 Comp P100 3.35mm +0.5mm																									
	Assay Head		14790	0.348	16.427	73.521	0.006	0.083	0.002	0.120	0.071	0.004	0.008	3.853	0.001	0.175	0.024	3.063	801	0.53						
	MO17DD002 Comp P100 3.35mm +0.5mm Batch Reflux Classifier																									
	Calc. Head	14.272	16201	0.368	16.367	73.687	0.006	0.089	0.005	0.119	0.068	0.003	0.005	3.599	0.002	0.172	0.028	3.030	784	0.48	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	Batch RC																									
T	Flow 1	0.001	6870	2.050	22.540	60.666	0.054	0.121	0.055	0.061	0.051	0.004	0.015	2.304	0.002	0.207	0.173	6.635	2421	3.49	0.00%	0.00%	0.03%	0.00%	0.00%	0.01%
T	Flow 2	0.003	6870	2.050	22.540	60.666	0.054	0.121	0.055	0.061	0.051	0.004	0.015	2.304	0.002	0.207	0.173	6.635	2421	3.49	0.02%	0.01%	0.13%	0.02%	0.01%	0.05%
T	Flow 3	0.018	6610	1.729	23.298	62.074	0.020	0.102	0.008	0.039	0.055	<0.001	0.014	1.778	<0.001	0.073	0.162	7.142	2472	2.51	0.12%	0.05%	0.59%	0.11%	0.06%	0.29%
T	Flow 4	0.092	4610	0.914	17.559	70.568	0.012	0.063	0.005	0.054	0.030	<0.001	0.008	2.765	0.003	0.088	0.036	5.751	1738	1.36	0.64%	0.18%	1.59%	0.61%	0.49%	1.22%
T	Flow 5	0.352	4250	0.456	14.979	74.675	0.006	0.048	0.003	0.071	0.020	0.002	0.005	3.703	0.003	0.115	0.039	4.485	1193	0.72	2.47%	0.65%	3.06%	2.50%	2.54%	3.65%
T	Flow 6	0.417	4950	0.360	14.656	75.316	0.006	0.048	0.003	0.082	0.021	<0.001	0.006	3.965	0.004	0.118	0.020	4.060	1065	0.57	2.92%	0.89%	2.86%	2.99%	3.22%	3.91%
T	Flow 7	0.578	6630	0.323	14.749	75.471	0.005	0.056	0.002	0.091	0.017	0.002	0.005	3.937	0.003	0.144	0.032	3.744	937	0.47	4.05%	1.66%	3.56%	4.14%	4.43%	5.00%
T	Flow 8	0.679	8680	0.294	14.905	75.204	0.005	0.059	0.005	0.102	0.016	0.003	0.005	4.019	0.004	0.162	0.033	3.561	908	0.44	4.75%	2.55%	3.80%	4.85%	5.31%	5.59%
T	Flow 9	0.767	10170	0.293	15.224	74.980	0.003	0.064	0.002	0.108	0.019	0.005	0.009	4.106	0.004	0.159	0.022	3.306	862	0.42	5.38%	3.37%	4.29%	5.47%	6.13%	5.87%
	Remains	11.291	18370	0.368	16.689	73.399	0.006	0.097	0.005	0.125	0.066	0.003	0.004	3.522	0.002	0.179	0.027	2.835	730	0.46	79.12%	89.71%	79.21%	78.81%	77.43%	74.03%
T	Residue	0.075	28620	0.620	17.949	69.928	0.011	0.146	0.021	0.167	2.214	0.025	0.030	2.585	<0.001	0.264	0.065	2.166	596	0.48	0.52%	0.93%	0.89%	0.50%	0.38%	0.38%
	+0.5mm Dense Media Separation																									
	MO17DD002 Comp P100 3.35mm +0.5mm Batch RC Remains																									
	Assay Head		18370	0.368	16.689	73.399	0.006	0.097	0.005	0.125	0.066	0.003	0.004	3.522	0.002	0.179	0.027	2.835	730	0.46						
	MO17DD002 Comp P100 3.35mm +0.5mm Batch RC Remains Batch Reflux Classifier																									
	Calc. Head	11.035	17059	0.373	16.557	73.467	0.004	0.085	0.003	0.125	0.086	0.003	0.005	3.621	0.002	0.195	0.059	2.884	745	0.49	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	DMS100																									
C	SG 2.95 Underflow	1.970	63490	0.477	23.955	66.740	0.007	0.133	0.006	0.099	0.256	0.004	0.004	0.627	0.002	0.137	0.033	0.534	185	0.40	17.85%	66.44%	22.84%	16.22%	3.09%	3.31%
	SG 2.95 Overflow	3.824	14410	0.581	15.616	74.964	0.005	0.122	0.004	0.158	0.095	0.004	0.009	3.369	0.002	0.251	0.135	2.168	671	0.68	34.65%	29.27%	53.98%	35.36%	32.24%	26.05%
T	SG 2.7 Overflow	5.241	1540	0.182	14.462	74.903	0.002	0.039	0.002	0.110	0.015	0.002	0.003	4.930	0.003	0.176	0.013	4.290	1010	0.38	47.50%	4.29%	23.18%	48.43%	64.67%	70.65%
	-0.5mm Cyclone Deslime																									
	MO17DD002 Comp P100 3.35mm -0.5mm																									
	Assay Head		10770	0.464	15.479	74.291	<0.001	0.107	0.005	0.153	0.138	0.007	0.012	3.962	0.001	0.224	0.032	3.090	824	0.62						
	MO17DD002 Comp P100 3.35mm -0.5mm Cyclone Deslime																									
	Calc. Head	4.001	10760	0.495	15.438	74.327	0.001	0.107	0.005	0.156	0.139	0.004	0.016	3.972	0.002	0.225	0.026	3.023	858	0.57	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	Cyclone																									
	Underflow	3.939	10780	0.469	15.380	74.486	0.001	0.104	0.005	0.153	0.140	0.004	0.016	3.974	0.002	0.220	0.022	3.000	850	0.54	98.46%	98.64%	93.24%	98.67%	98.52%	97.70%
T	Overflow	0.062	9490	2.167	19.136	64.183	0.017	0.295	0.015	0.319	0.082	0.005	0.013	3.817	0.011	0.559	0.266	4.506	1356	2.78	1.54%	1.36%	6.76%	1.33%	1.48%	2.30%

	SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
		kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O
	Float Feed Compositing																									
	MO17DD002 Comp FS A Float Feed Comp																									
	Assay Head		12480	0.532	15.419	74.929	<0.001	0.113	0.005	0.156	0.138	0.007	0.014	3.711	<0.001	0.229	0.025	2.618	742	0.59						
	MO17DD002 Comp FS A Float Feed Comp Cyclone Deslime																									
	Calc. Head	7.583	12575	0.524	15.497	74.722	0.003	0.113	0.005	0.155	0.118	0.004	0.013	3.675	0.002	0.235	0.078	2.588	761	0.61	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	Fraction																									
	+0.5mm Batch RC Remains DMS100 SG 2.95 Overflow	3.750	14410	0.581	15.616	74.964	0.005	0.122	0.004	0.158	0.095	0.004	0.009	3.369	0.002	0.251	0.135	2.168	671	0.68	49.46%	56.68%	54.80%	49.62%	45.35%	41.43%
	-0.5mm Cyclone Underflow	3.832	10780	0.469	15.380	74.486	0.001	0.104	0.005	0.153	0.140	0.004	0.016	3.974	0.002	0.220	0.022	3.000	850	0.54	50.54%	43.32%	45.20%	50.38%	54.65%	58.57%
	Sighter Flotation #6																									
	MO17DD002 Comp FS A Float Feed Comp P80 0.180mm																									
	Assay Head		12480	0.532	15.419	74.929	<0.001	0.113	0.005	0.156	0.138	0.007	0.014	3.711	<0.001	0.229	0.025	2.618	742	0.59						
	MO17DD002 Comp FS A Float Feed Comp P80 0.180mm Sighter Flotation Test #6																									
	Calc. Head	0.393	12695	0.693	15.314	74.617	0.001	0.116	0.005	0.152	0.110	0.004	0.014	3.742	0.001	0.246	0.036	2.576	744	0.79	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	Float																									
C	Re-Cleaner Con 1	0.047	58870	2.229	23.875	59.101	0.004	0.641	0.032	0.903	0.715	0.029	0.067	0.768	0.001	1.459	0.050	1.100	375	1.41	11.91%	55.22%	38.32%	9.43%	2.44%	5.08%
C	Re-Cleaner Con 2	0.016	47060	1.774	22.890	63.187	0.006	0.318	0.016	0.394	0.273	0.016	0.033	1.472	<0.001	0.704	0.070	1.850	624	1.49	4.10%	15.22%	10.51%	3.48%	1.61%	2.95%
C	Re-Cleaner Con 3	0.011	17140	1.402	18.346	68.976	0.007	0.137	0.013	0.136	0.079	0.005	0.013	3.203	0.001	0.295	0.100	3.385	1077	1.74	2.77%	3.73%	5.60%	2.56%	2.37%	3.63%
T	Re-Cleaner Con 4	0.010	7520	0.865	15.773	73.141	0.001	0.059	0.011	0.047	0.029	0.002	0.005	4.146	0.002	0.129	0.082	3.362	1000	1.53	2.52%	1.49%	3.15%	2.47%	2.80%	3.29%
T	Re-Cleaner Tail	0.061	11400	0.530	15.593	75.078	<0.001	0.042	<0.001	0.033	0.024	0.001	0.005	3.825	<0.001	0.054	0.040	2.802	817	0.79	15.51%	13.93%	11.87%	15.61%	15.85%	16.87%
T	Cleaner Tail	0.066	4080	0.407	13.671	77.549	<0.001	0.031	0.002	0.031	0.015	<0.001	0.004	4.271	<0.001	0.044	0.039	2.854	806	0.69	16.65%	5.35%	9.78%	17.30%	19.00%	18.44%
T	Rougher Tail	0.183	1380	0.309	12.744	78.807	<0.001	0.021	<0.001	0.029	0.010	<0.001	0.006	4.497	0.001	0.034	0.020	2.753	769	0.50	46.54%	5.06%	20.76%	49.15%	55.92%	49.73%

	SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
		kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O
	Circuit Summary MO17DD002 Comp Flow Sheet A																									
	MO17DD002 Comp																									
	Assay Head		13970	0.902	16.006	73.589	0.002	0.092	0.004	0.129	0.101	0.005	0.011	3.817	0.002	0.188	0.020	2.959	823	0.42						
	MO17DD002 Comp Flowsheet A Circuit Summary																									
	Calc. Head	111.000	14240	0.471	16.001	73.825	0.003	0.087	0.004	0.125	0.092	0.003	0.009	3.772	0.002	0.198	0.029	3.053	802	0.59	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	Fraction																									
C	Concentrate	21.200	57827	1.126	23.484	64.495	0.006	0.287	0.014	0.345	0.370	0.012	0.024	0.904	0.001	0.555	0.045	0.986	333	0.86	19.10%	77.56%	45.63%	16.69%	4.58%	6.17%
T	Tailing	89.800	3950	0.317	14.234	76.027	0.002	0.040	0.002	0.073	0.027	0.002	0.005	4.448	0.002	0.114	0.025	3.541	913	0.53	80.90%	22.44%	54.37%	83.31%	95.42%	93.83%

Masses calculated as equivalent dry

Blue = Calculated

SAMPLE	Mass	STAGE Deportment
	kg	Yield

MO17DD001 Comp P80 0.18mm

Assay Head

MO17DD001 Comp P80 0.18mm Particle Size Distribution

Calc. Head	0.158	100.00%
Size (mm)		
+0.25	0.005	3.04%
+0.18	0.025	15.97%
+0.15	0.010	6.34%
+0.125	0.016	10.27%
+0.106	0.031	19.65%
+0.09	0.009	5.83%
+0.063	0.015	9.19%
+0.045	0.012	7.35%
+0.038	0.005	3.23%
-0.038	0.030	19.14%

SAMPLE	Mass	STAGE Deportment
	kg	Yield

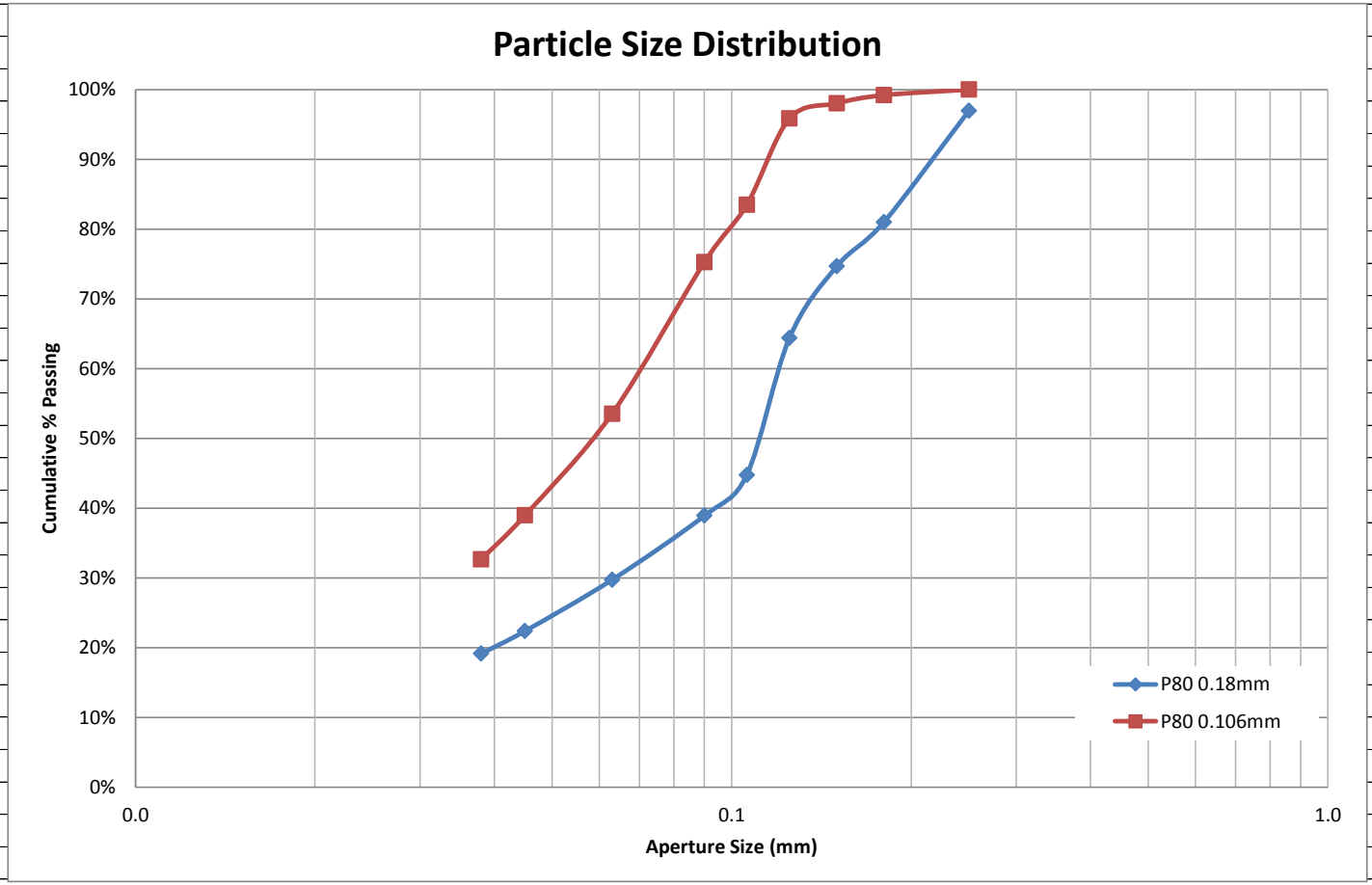
MO17DD001 Comp P80 0.106mm

Assay Head

MO17DD001 Comp P80 0.106mm Particle Size Distribution

Calc. Head	0.137	100.00%
Size (mm)		
+0.25	0.000	0.00%
+0.18	0.001	0.81%
+0.15	0.002	1.17%
+0.125	0.003	2.20%
+0.106	0.017	12.37%
+0.09	0.011	8.20%
+0.063	0.030	21.74%
+0.045	0.020	14.57%
+0.038	0.009	6.30%
-0.038	0.045	32.65%

SAMPLE	Mass	STAGE Deportment
	kg	Yield



Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment			
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2

Cyclone Operating Parameters

Parameter	
Cyclone (inch)	2
Vortex Finder (mm)	11
Spigot (mm)	11.0
Pressure (kPa)	200
Target Cut Point (COF P80) (mm)	0.010
% Solids	20

MO17DD001 Comp P100 1mm

Assay Head		17620	0.953	16.050	74.305	<0.001	0.089	0.004	0.112	0.126	0.007	0.009	3.244	0.001	0.185	0.023	2.634	796	0.43				

MO17DD001 Comp P100 1mm Cyclone Deslime

Calc. Head	18.934	17496	0.410	15.940	74.549	0.006	0.088	0.002	0.116	0.150	0.004	0.009	3.247	0.002	0.179	0.014	2.665	780	0.53		100.00%	100.00%	100.00%	100.00%
Cyclone																							
Underflow	18.697	17560	0.386	15.891	74.693	0.006	0.085	0.002	0.113	0.150	0.004	0.009	3.245	0.002	0.174	0.012	2.639	771	0.50		98.75%	99.12%	92.86%	98.94%
Overflow	0.236	12400	2.348	19.789	63.125	0.019	0.314	0.012	0.324	0.122	0.006	0.010	3.427	0.016	0.590	0.176	4.739	1520	2.61		1.25%	0.88%	7.14%	1.06%

Mass calculated as equivalent dry

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Sighter Three-Stage Flotation #9 Parameters

Parameters	Time		Data						Reagents						
Stage	Cond'n	Float	Pulp Density	pH	ORP (Ag/AgCl)	Temp.	Water Type	RPM	Sodium Carbonate (10%)	Na2SiO3 (2.35 ratio)	Flotinor 7801	Oleic Acid	Pine Oil	HCl (10%)	
	min	min	%w/v		mV	°C			mL	g/t	g/t	g/t	Drops	mL	
Initial			32	7.82	242	25	Perth Tap	1200							
Rougher Con 1	10+10	1	32	8.06	139	28	Perth Tap	1200/900	1.80	50	500			0.40	
Rougher Con 2		1	32	7.96	146	28	Perth Tap	900							
Rougher Con 3		1	32	7.99	169	27	Perth Tap	900							
Rougher Con 4		1	32	8.10	157	27	Perth Tap	900						0.10	
Rougher Con 5	5+5	1	32	8.11	152	28	Perth Tap	900	0.20	20	300				
Rougher Con 6		1	32	8.10	152	28	Perth Tap	900							
Rougher Con 7		1	32	7.96	171	27	Perth Tap	900							
Rougher Con 8		1	32	7.90	169	27	Perth Tap	900							
Rougher Con 9		1	32	8.02	176	27	Perth Tap	900							
Rougher Con 10		1	32	8.10	176	27	Perth Tap	900							
Rougher Con 1-10 combined for Cleaner Flotation. Cleaner Flotation conducted in Rougher Con Filtrate															
Cleaner Con 1	10+10	1	12	7.93	146	31	Ro Con Filtrate	1200/900	0.80	50	200			0.20	
Cleaner Con 2		1	12	7.92	157	30	Ro Con Filtrate	900							
Cleaner Con 3		1	12	7.93	162	30	Ro Con Filtrate	900							
Cleaner Con 4		1	12	7.90	174	29	Ro Con Filtrate	900							
Cleaner Con 5	5+5	1	12	8.04	171	30	Ro Con Filtrate	900	0.20	20	100			0.20	
Cleaner Con 6		1	12	7.97	184	29	Ro Con Filtrate	900							
Cleaner Con 7		1	12	7.97	189	29	Ro Con Filtrate	900							
Cleaner Con 8	5+5	1	12	7.95	188	29	Ro Con Filtrate	900	0.20	10	50			0.20	
Cleaner Con 9		1	12	7.95	191	28	Ro Con Filtrate	900							
Cleaner Con 10		1	12	7.99	192	28	Ro Con Filtrate	900							
Cleaner Con 1-10 combined for Re-Cleaner Flotation. Re-Cleaner Flotation conducted in Cleaner Con Filtrate															
Re-Cleaner Con 1	10+10	1	10	7.99	190	30	Cl Con Filtrate	1200/900	0.10	30	100				
Re-Cleaner Con 2		1	10	8.01	193	29	Cl Con Filtrate	900							
Re-Cleaner Con 3	5+5	2	10	8.06	201	27	Cl Con Filtrate	900	0.10	10	50				
Re-Cleaner Con 4		2	10	8.01	225	25	Cl Con Filtrate	900							
Re-Cleaner Con 5		2	10	8.04	218	24	Cl Con Filtrate	901							

MO17DD001 Comp FS B P100 1mm CUF P80 0.180mm

Assay Head		17560	0.386	15.891	74.693	0.006	0.085	0.002	0.113	0.150	0.004	0.009	3.245	0.002	0.174	0.012	2.639	771	0.50						

MO17DD001 Comp FS B P100 1mm CUF P80 0.180mm Sighter Float Test #9

Calc. Head	0.389	18504	0.648	16.001	74.249	0.007	0.087	0.003	0.112	0.144	0.004	0.005	3.150	0.002	0.195	0.033	2.611	769	0.56		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Float																										
Re-Cleaner Con 1	0.066	63010	1.320	24.522	62.961	0.009	0.282	0.011	0.355	0.589	0.016	0.019	0.705	<0.001	0.651	0.074	0.816	274	0.46		16.92%	57.62%	34.45%	14.35%	3.79%	5.29%
Re-Cleaner Con 2	0.032	47970	1.554	22.023	65.548	0.008	0.223	0.010	0.263	0.349	0.012	0.020	1.449	0.003	0.500	0.049	1.559	510	0.64		8.25%	21.40%	19.78%	7.29%	3.80%	4.93%
Re-Cleaner Con 3	0.015	28370	1.314	18.454	69.780	0.010	0.146	0.010	0.166	0.190	0.006	0.008	2.677	0.002	0.336	0.074	2.346	727	0.90		3.75%	5.75%	7.60%	3.53%	3.19%	3.37%
Re-Cleaner Con 4	0.002	12090	1.211	16.186	69.951	0.006	0.085	0.028	0.081	0.071	0.002	0.003	4.102	0.003	0.290	0.090	3.435	1032	2.06		0.45%	0.30%	0.85%	0.43%	0.59%	0.60%
Re-Cleaner Con 5	0.001	12090	1.211	16.186	69.951	0.006	0.085	0.028	0.081	0.071	0.002	0.003	4.102	0.003	0.290	0.090	3.435	1032	2.06		0.25%	0.16%	0.47%	0.24%	0.33%	0.33%
Re-Cleaner Tail	0.008	4570	0.779	15.560	73.076	0.009	0.041	0.002	0.042	0.014	<0.001	0.002	4.332	0.005	0.088	0.064	4.009	1175	1.04		2.12%	0.52%	2.55%	2.09%	2.92%	3.25%
Cleaner Tail	0.024	3280	0.473	13.843	76.276	0.004	0.029	0.002	0.038	0.017	<0.001	<0.001	4.247	0.003	0.070	0.039	3.497	1004	0.77		6.24%	1.11%	4.55%	6.41%	8.42%	8.36%
Rougher Tail	0.241	3920	0.311	12.956	78.643	0.007	0.020	<0.001	0.032	0.011	<0.001	<0.001	3.910	0.003	0.036	0.015	3.111	901	0.50		62.00%	13.14%	29.74%	65.67%	76.97%	73.87%

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Re-Cleaner Con 1

Re-Cleaner Con 2

Re-Cleaner Con 3

Re-Cleaner Con 4 & 5

Re-Cleaner Tail

Cleaner Tail

Rougher Tail

Orange = c ombined for analysis due to insufficient mass

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Sighter Three-Stage Flotation #10 Parameters

Parameters	Time		Data						Reagents					
Stage	Cond'n	Float	Pulp Density	pH	ORP (Ag/AgCl)	Temp.	Water Type	RPM	Sodium Carbonate (10%)	Na2SiO3 (2.35 ratio)	Flotinor 7801	Oleic Acid	Pine Oil	HCl (10%)
	min	min	%w/v		mV	°C			mL	g/t	g/t	g/t	Drops	mL
Initial			32	7.88	131	29	Perth Tap	1200						
Rougher Con 1	10+10	1	32	8.09	33	32	Perth Tap	1200/900	1.00	50		1500		
Rougher Con 2		1	32	7.90	51	27	Perth Tap	900						
Rougher Con 3		1	32	7.94	52	26	Perth Tap	900						
Rougher Con 4		1	32	8.05	NA	26	Perth Tap	900						
Rougher Con 5	5+5	1	32	7.98	100	25	Perth Tap	900	0.40	20		1000		0.10
Rougher Con 6		1	32	8.07	106	26	Perth Tap	900						
Rougher Con 7		1	32	8.09	107	26	Perth Tap	900						
Rougher Con 8		1	32	7.96	111	25	Perth Tap	900						
Rougher Con 9		1	32	8.04	46	25	Perth Tap	900						
Rougher Con 10		1	32	8.08	93	24	Perth Tap	900						
Rougher Con 1-10 combined for Cleaner Flotation. Cleaner Flotation conducted in Rougher Con Filtrate														
Cleaner Con 1	10+10	1	20	8.07	180	28	Ro Con Filtrate	1200/900	0.40	50		400		
Cleaner Con 2		1	20	8.09	130	27	Ro Con Filtrate	900						
Cleaner Con 3		1	20	8.00	141	27	Ro Con Filtrate	900	0.05					0.10
Cleaner Con 4		1	20	8.09	141	26	Ro Con Filtrate	900						
Cleaner Con 5	5+5	1	20	7.90	128	27	Ro Con Filtrate	900	0.05	20		200		
Cleaner Con 6		1	20	8.09	124	26	Ro Con Filtrate	900						
Cleaner Con 7		1	20	7.96	116	26	Ro Con Filtrate	900						
Cleaner Con 8	5+5	1	20	8.10	136	27	Ro Con Filtrate	900	0.15	10		100		
Cleaner Con 9		1	20	8.10	134	26	Ro Con Filtrate	900						
Cleaner Con 10		1	20	8.07	130	26	Ro Con Filtrate	900						
Cleaner Con 1-10 combined for Re-Cleaner Flotation. Re-Cleaner Flotation conducted in Cleaner Con Filtrate														
Re-Cleaner Con 1	10+10	1	14	7.96	130	29	Cl Con Filtrate	1200/900	0.10	30		200		
Re-Cleaner Con 2		1	14	8.02	137	28	Cl Con Filtrate	900						
Re-Cleaner Con 3	5+5	2	14	8.08	157	28	Cl Con Filtrate	900	0.10	10		100		
Re-Cleaner Con 4		2	14	8.01	143	28	Cl Con Filtrate	900						

MO17DD001 Comp FS B P100 1mm CUF P80 0.180mm

Assay Head	17560	0.386	15.891	74.693	0.006	0.085	0.002	0.113	0.150	0.004	0.009	3.245	0.002	0.174	0.012	2.639	771	0.50	

MO17DD001 Comp FS B P100 1mm CUF P80 0.180mm Sighter Float Test #10

Calc. Head	0.385	18000	0.633	15.813	74.238	0.010	0.086	0.004	0.111	0.139	0.004	0.006	3.199	0.002	0.193	0.016	2.607	762	0.65	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Float																									
Re-Cleaner Con 1	0.070	65000	1.372	24.956	61.929	0.010	0.277	0.011	0.345	0.539	0.014	0.024	0.586	0.001	0.642	0.009	0.739	256	0.94	18.31%	66.12%	39.69%	15.27%	3.35%	5.19%
Re-Cleaner Con 2	0.024	56410	1.361	23.814	63.482	0.011	0.230	0.010	0.268	0.384	0.011	0.018	1.012	0.002	0.525	0.021	1.211	417	1.04	6.15%	19.26%	13.22%	5.26%	1.94%	2.86%
Re-Cleaner Con 3	0.012	45220	1.568	22.909	63.516	0.009	0.198	0.013	0.210	0.341	0.008	0.014	1.462	0.002	0.443	0.039	2.246	800	1.56	3.00%	7.53%	7.42%	2.56%	1.37%	2.58%
Re-Cleaner Con 4	0.006	10100	1.104	16.194	71.909	0.004	0.080	0.010	0.073	0.061	0.002	0.004	3.610	0.003	0.163	0.042	3.678	1154	1.33	1.67%	0.94%	2.92%	1.62%	1.89%	2.36%
Re-Cleaner Tail	0.062	2680	0.441	13.047	77.788	0.004	0.025	<0.001	0.035	0.010	<0.001	0.001	4.093	0.002	0.047	0.017	3.276	947	0.59	16.10%	2.40%	11.22%	16.87%	20.60%	20.24%
Cleaner Tail	0.071	1440	0.311	12.377	78.956	0.015	0.018	0.002	0.033	0.009	<0.001	<0.001	4.164	0.002	0.038	0.021	3.165	879	0.47	18.37%	1.47%	9.03%	19.54%	23.91%	22.31%
Rougher Tail	0.140	1130	0.287	12.218	79.285	0.009	0.017	<0.001	0.033	0.007	<0.001	<0.001	4.125	0.002	0.036	0.013	3.185	913	0.46	36.40%	2.28%	16.50%	38.87%	46.93%	44.47%

Re-Cleaner Con 1

Re-Cleaner Con 2

Re-Cleaner Con 3

Re-Cleaner Con 4

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Re-Cleaner Tail

Cleaner Tail

Rougher Tail

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Sighter Three-Stage Flotation #11 Parameters

Parameters	Time		Data						Reagents					
Stage	Cond'n	Float	Pulp Density	pH	ORP (Ag/AgCl)	Temp.	Water Type	RPM	Sodium Carbonate (10%)	Na2SiO3 (2.35 ratio)	Flotinor 7801	Oleic Acid	Pine Oil	HCl (10%)
	min	min	%w/v		mV	°C			mL	g/t	g/t	g/t	Drops	mL
Initial			32	7.92	213	22	Perth Tap	1200						
Rougher Con 1	10+10	1	32	8.02	192	27	Perth Tap	1200/900	0.70	50	500			0.08
Rougher Con 2		1	32	7.96	197	27	Perth Tap	900						0.02
Rougher Con 3		1	32	8.05	194	27	Perth Tap	900						
Rougher Con 4		1	32	8.10	195	27	Perth Tap	900						
Rougher Con 5	5+5	1	32	8.11	194	27	Perth Tap	900	0.38	20	300			0.02
Rougher Con 6		1	32	8.11	200	27	Perth Tap	900						0.01
Rougher Con 7		1	32	8.08	202	26	Perth Tap	900						
Rougher Con 8		1	32	8.15	202	26	Perth Tap	900						
Rougher Con 9		1	32	8.00	206	26	Perth Tap	900						0.03
Rougher Con 10		1	32	8.11	208	26	Perth Tap	900						
Rougher Con 1-10 combined for Cleaner Flotation. Cleaner Flotation conducted in Rougher Con Filtrate														
Cleaner Con 1	10+10	1	17	8.06	206	28	Ro Con Filtrate	1200/900	0.10	50	200			0.02
Cleaner Con 2		1	17	8.11	203	28	Ro Con Filtrate	900						
Cleaner Con 3		1	17	8.07	204	28	Ro Con Filtrate	900						0.01
Cleaner Con 4		1	17	8.00	206	27	Ro Con Filtrate	900						0.02
Cleaner Con 5	5+5	1	17	8.10	211	28	Ro Con Filtrate	900	0.06	20	100			0.02
Cleaner Con 6		1	17	8.03	216	28	Ro Con Filtrate	900						0.02
Cleaner Con 7		1	17	7.99	219	28	Ro Con Filtrate	900						0.01
Cleaner Con 8	5+5	1	17	8.02	219	28	Ro Con Filtrate	900	0.04	10	50			0.03
Cleaner Con 9		1	17	7.85	224	28	Ro Con Filtrate	900						0.02
Cleaner Con 10		1	17	8.05	225	28	Ro Con Filtrate	900						
Cleaner Con 1-10 combined for Re-Cleaner Flotation. Re-Cleaner Flotation conducted in Cleaner Con Filtrate														
Re-Cleaner Con 1	10+10	1	14	8.06	181	29	Cl Con Filtrate	1200/900	0.03	30	100			0.03
Re-Cleaner Con 2		1	14	7.94	202	29	Cl Con Filtrate	900						0.01
Re-Cleaner Con 3	5+5	2	14	8.09	213	29	Cl Con Filtrate	900		10	50			0.01
Re-Cleaner Con 4		2	14	7.98	226	28	Cl Con Filtrate	900						0.01
Re-Cleaner Con 5		2	14	8.14	229	28	Cl Con Filtrate	901						0.01

MO17DD001 Comp FS B P100 1mm CUF P80 0.106mm

Assay Head		17560	0.386	15.891	74.693	0.006	0.085	0.002	0.113	0.150	0.004	0.009	3.245	0.002	0.174	0.012	2.639	771	0.50						

MO17DD001 Comp FS B P100 1mm CUF P80 0.106mm Sighter Float Test #11

Calc. Head	0.398	17878	0.873	15.946	74.125	0.001	0.087	0.004	0.108	0.139	0.006	0.007	3.261	0.002	0.181	0.029	2.583	766	0.45		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Float																										
Re-Cleaner Con 1	0.066	54020	1.683	22.669	65.232	0.003	0.254	0.009	0.318	0.559	0.015	0.024	1.108	<0.001	0.561	0.013	0.960	301	0.23		16.57%	50.06%	31.92%	14.58%	5.63%	6.16%
Re-Cleaner Con 2	0.043	43960	1.629	20.743	68.296	0.002	0.166	0.006	0.179	0.240	0.007	0.014	1.657	<0.001	0.333	0.026	1.394	436	0.36		10.85%	26.67%	20.23%	9.99%	5.51%	5.85%
Re-Cleaner Con 3	0.042	26440	1.535	17.676	71.742	<0.001	0.117	0.006	0.117	0.123	0.006	0.007	2.527	0.001	0.219	0.018	2.198	683	0.52		10.50%	15.53%	18.46%	10.16%	8.14%	8.94%
Re-Cleaner Con 4	0.010	15060	1.547	15.958	72.969	0.005	0.098	0.007	0.094	0.073	0.004	0.004	3.330	<0.001	0.195	0.042	2.886	884	0.78		2.49%	2.09%	4.40%	2.45%	2.54%	2.78%
Re-Cleaner Con 5	0.002	12340	1.724	16.065	70.938	0.005	0.097	0.025	0.092	0.062	0.002	0.006	3.961	0.003	0.282	0.074	3.312	1023	1.57		0.47%	0.33%	0.94%	0.45%	0.58%	0.61%
Re-Cleaner Tail	0.013	5520	1.027	16.091	72.635	0.003	0.060	0.002	0.043	0.026	0.003	0.004	3.817	0.003	0.074	0.035	4.139	1355	1.14		3.18%	0.98%	3.73%	3.11%	3.72%	5.09%
Cleaner Tail	0.034	2680	0.538	13.849	76.474	0.005	0.031	<0.001	0.037	0.013	0.003	0.004	4.118	0.003	0.051	0.120	3.551	1063	0.70		8.62%	1.29%	5.31%	8.89%	10.88%	11.84%
Rougher Tail	0.189	1150	0.277	12.479	78.868	<0.001	0.016	0.001	0.035	0.007	0.003	<0.001	4.340	0.003	0.034	0.020	3.206	920	0.42		47.33%	3.04%	15.01%	50.36%	63.00%	58.74%

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Re-Cleaner Con 1

Re-Cleaner Con 2

Re-Cleaner Con 3

Re-Cleaner Con 4 & 5

Re-Cleaner Tail

Cleaner Tail

Rougher Tail

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Sighter Three-Stage Flotation #12 Parameters

Parameters	Time		Data						Reagents								
Stage	Cond'n	Float	Pulp Density	pH	ORP (Ag/AgCl)	Temp.	Water Type	RPM	Sodium Carbonate (10%)	Na2SiO3 (2.35 ratio)	Flotinor 7801	Oleic Acid	Pine Oil	HCl (10%)			
	min	min	%w/v		mV	°C			mL	g/t	g/t	g/t	Drops	mL			
Initial			32	7.82	308	27	Perth Tap	1200									
Rougher Con 1	10+10	1	32	8.08	201	31	Perth Tap	1200/900	1.50	50		1500		0.04			
Rougher Con 2		1	32	8.02	211	31	Perth Tap	900									
Rougher Con 3		1	32	8.11	211	30	Perth Tap	900									
Rougher Con 4		1	32	8.10	218	-	Perth Tap	900						0.01			
Rougher Con 5	5+5	1	32	7.82	238	-	Perth Tap	900	0.60	20		1000		0.02			
Rougher Con 6		1	32	7.92	243	30	Perth Tap	900									
Rougher Con 7		1	32	7.96	258	29	Perth Tap	900									
Rougher Con 8		1	32	8.03	230	29	Perth Tap	900									
Rougher Con 9		1	32	8.12	238	29	Perth Tap	900									
Rougher Con 1-9 combined for Cleaner Flotation. Cleaner Flotation conducted in Rougher Con Filtrate																	
Cleaner Con 1	10+10	1	20	8.02	203	31	Ro Con Filtrate	1200/900	0.20	50		400		0.04			
Cleaner Con 2		1	20	8.10	202	30	Ro Con Filtrate	900									
Cleaner Con 3		1	20	8.03	215	30	Ro Con Filtrate	900									
Cleaner Con 4		1	20	8.13	217	30	Ro Con Filtrate	900									
Cleaner Con 5	5+5	1	20	8.13	149	30	Ro Con Filtrate	900	0.15	20		200		0.04			
Cleaner Con 6		1	20	7.97	176	29	Ro Con Filtrate	900						0.02			
Cleaner Con 7		1	20	8.13	193	29	Ro Con Filtrate	900									
Cleaner Con 8	5+5	1	20	8.10	231	29	Ro Con Filtrate	900	0.01	10		100		0.02			
Cleaner Con 9		1	20	8.12	232	-	Ro Con Filtrate	900						0.01			
Cleaner Con 10		1	20	8.01	238	-	Ro Con Filtrate	900						0.02			
Cleaner Con 1-10 combined for Re-Cleaner Flotation. Re-Cleaner Flotation conducted in Cleaner Con Filtrate																	
Re-Cleaner Con 1	10+10	1	15	8.08	225	29	Cl Con Filtrate	1200/900	0.07	30		200					
Re-Cleaner Con 2		1	15	8.13	221	29	Cl Con Filtrate	900									
Re-Cleaner Con 3	5+5	2	15	7.94	236	-	Cl Con Filtrate	900	0.08	10		100		0.05			
Re-Cleaner Con 4		2	15	8.19	236	21	Cl Con Filtrate	900									

MO17DD001 Comp FS B P100 1mm CUF P80 0.106mm

Assay Head		17560	0.386	15.891	74.693	0.006	0.085	0.002	0.113	0.150	0.004	0.009	3.245	0.002	0.174	0.012	2.639	771	0.50						

MO17DD001 Comp FS B P100 1mm CUF P80 0.106mm Sighter Float Test #12

Calc. Head	0.395	17886	0.891	15.905	73.904	0.002	0.090	0.003	0.111	0.139	0.004	0.009	3.255	0.001	0.196	0.017	2.591	767	0.57		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Float																										
Re-Cleaner Con 1	0.071	55920	2.149	23.472	63.481	0.003	0.262	0.009	0.311	0.490	0.014	0.025	0.787	<0.001	0.586	0.020	1.133	396	0.70		18.09%	56.57%	43.66%	15.54%	4.38%	7.91%
Re-Cleaner Con 2	0.046	42770	1.844	20.987	67.203	0.003	0.185	0.006	0.203	0.290	0.009	0.014	1.295	0.001	0.393	0.031	1.674	587	0.78		11.64%	27.84%	24.11%	10.59%	4.63%	7.52%
Re-Cleaner Con 3	0.020	31840	1.672	18.979	69.604	0.004	0.151	0.006	0.155	0.204	0.007	0.013	1.767	0.002	0.309	0.031	2.231	798	0.96		4.96%	8.83%	9.31%	4.67%	2.69%	4.27%
Re-Cleaner Con 4	0.007	21330	1.605	18.059	70.031	0.005	0.125	0.007	0.115	0.140	0.007	0.010	2.470	0.002	0.262	0.041	3.086	1052	1.30		1.74%	2.08%	3.14%	1.65%	1.32%	2.08%
Re-Cleaner Tail	0.044	3060	0.558	13.678	76.864	0.002	0.036	<0.001	0.033	0.015	<0.001	0.004	3.797	0.001	0.052	0.017	3.513	1110	0.83		11.02%	1.88%	6.90%	11.46%	12.85%	14.93%
Cleaner Tail	0.065	1410	0.278	12.078	79.462	<0.001	0.018	<0.001	0.033	0.004	0.002	0.003	4.301	0.002	0.041	0.010	3.025	851	0.43		16.52%	1.30%	5.16%	17.77%	21.84%	19.29%
Rougher Tail	0.142	740	0.191	12.369	78.631	0.002	0.012	<0.001	0.034	0.004	<0.001	0.002	4.725	0.002	0.034	0.010	3.165	850	0.33		36.02%	1.49%	7.72%	38.32%	52.29%	43.99%

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Re-Cleaner Con 1

Re-Cleaner Con 2

Re-Cleaner Con 3

Re-Cleaner Con 4

Re-Cleaner Tail

Cleaner Tail

Rougher Tail

Blue = Calculated

Sighter Flotation Test Summary

			Li_2O		Fe_2O_3		SiO_2	
Test #	Description	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Test 9	P80 0.18mm - Flotinor 7801	29.63%	53221	85.23%	1.382	63.16%	64.712	25.83%
Test 10	P80 0.18mm - Oleic Acid	29.13%	58001	93.85%	1.374	63.25%	62.993	24.71%
Test 11	P80 0.106mm - Flotinor 7801	40.88%	41411	94.68%	1.623	75.95%	68.254	37.64%
Test 12	P80 0.106mm - Oleic Acid	36.44%	46785	95.32%	1.961	80.22%	65.817	32.45%

Sighter Flotation Test #9 - P80 0.18mm - Flotinor 7801

		Li_2O		Fe_2O_3		SiO_2	
	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Re-Cleaner Con 1	16.92%	63010	57.62%	1.320	34.45%	62.961	14.35%
Re-Cleaner Con 2	8.25%	47970	21.40%	1.554	19.78%	65.548	7.29%
Re-Cleaner Con 3	3.75%	28370	5.75%	1.314	7.60%	69.780	3.53%
Re-Cleaner Con 4	0.45%	12090	0.30%	1.211	0.85%	69.951	0.43%
Re-Cleaner Con 5	0.25%	12090	0.16%	1.211	0.47%	69.951	0.24%
Re-Cleaner Con 1-5	29.63%	53221	85.23%	1.382	63.16%	64.712	25.83%

Sighter Flotation Test #10 - P80 0.18mm - Oleic Acid

		Li_2O		Fe_2O_3		SiO_2	
	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Re-Cleaner Con 1	18.31%	65000	66.12%	1.372	39.69%	61.929	15.27%
Re-Cleaner Con 2	6.15%	56410	19.26%	1.361	13.22%	63.482	5.26%
Re-Cleaner Con 3	3.00%	45220	7.53%	1.568	7.42%	63.516	2.56%
Re-Cleaner Con 4	1.67%	10100	0.94%	1.104	2.92%	71.909	1.62%
Re-Cleaner Con 1-4	29.13%	58001	93.85%	1.374	63.25%	62.993	24.71%

Sighter Flotation Test #11 - P80 0.106mm - Flotinor 7801

		Li_2O		Fe_2O_3		SiO_2	
	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Re-Cleaner Con 1	16.57%	54020	50.06%	1.683	31.92%	65.232	14.58%
Re-Cleaner Con 2	10.85%	43960	26.67%	1.629	20.23%	68.296	9.99%
Re-Cleaner Con 3	10.50%	26440	15.53%	1.535	18.46%	71.742	10.16%
Re-Cleaner Con 4	2.49%	15060	2.09%	1.547	4.40%	72.969	2.45%
Re-Cleaner Con 5	0.47%	12340	0.33%	1.724	0.94%	70.938	0.45%
Re-Cleaner Con 1-5	40.88%	41411	94.68%	1.623	75.95%	68.254	37.64%

Sighter Flotation Test #12 - P80 0.106mm - Oleic Acid							
		Li_2O		Fe_2O_3		SiO_2	
	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Re-Cleaner Con 1	18.09%	55920	56.57%	2.149	43.66%	63.481	15.54%
Re-Cleaner Con 2	11.64%	42770	27.84%	1.844	24.11%	67.203	10.59%
Re-Cleaner Con 3	4.96%	31840	8.83%	1.672	9.31%	69.604	4.67%
Re-Cleaner Con 4	1.74%	21330	2.08%	1.605	3.14%	70.031	1.65%
Re-Cleaner Con 1-4	36.44%	46785	95.32%	1.961	80.22%	65.817	32.45%

Blue = Calculated

	SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
		kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O
-0.5mm Cyclone Deslime																										
MO17DD001 Comp P100 1mm																										
	Assay Head		17620	0.953	16.050	74.305	<0.001	0.089	0.004	0.112	0.126	0.007	0.009	3.244	0.001	0.185	0.023	2.634	796	0.43						
MO17DD001 Comp P100 1mm Cyclone Deslime																										
	Calc. Head	18.934	17496	0.410	15.940	74.549	0.006	0.088	0.002	0.116	0.150	0.004	0.009	3.247	0.002	0.179	0.014	2.665	780	0.53	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	Cyclone																									
	Underflow	18.697	17560	0.386	15.891	74.693	0.006	0.085	0.002	0.113	0.150	0.004	0.009	3.245	0.002	0.174	0.012	2.639	771	0.50	98.75%	99.12%	92.86%	98.94%	98.68%	97.78%
T	Overflow	0.236	12400	2.348	19.789	63.125	0.019	0.314	0.012	0.324	0.122	0.006	0.010	3.427	0.016	0.590	0.176	4.739	1520	2.61	1.25%	0.88%	7.14%	1.06%	1.32%	2.22%
Sighter Flotation #10																										
MO17DD001 Comp FS B P100 1mm Cyclone Underflow																										
	Assay Head		17560	0.386	15.891	74.693	0.006	0.085	0.002	0.113	0.150	0.004	0.009	3.245	0.002	0.174	0.012	2.639	771	0.50						
MO17DD001 Comp FS B P100 1mm Cyclone Underflow Sighter Flotation Test #10																										
	Calc. Head	0.385	18000	0.633	15.813	74.238	0.010	0.086	0.004	0.111	0.139	0.004	0.006	3.199	0.002	0.193	0.016	2.607	762	0.65	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	Float																									
C	Re-Cleaner Con 1	0.070	65000	1.372	24.956	61.929	0.010	0.277	0.011	0.345	0.539	0.014	0.024	0.586	0.001	0.642	0.009	0.739	256	0.94	18.31%	66.12%	39.69%	15.27%	3.35%	5.19%
C	Re-Cleaner Con 2	0.024	56410	1.361	23.814	63.482	0.011	0.230	0.010	0.268	0.384	0.011	0.018	1.012	0.002	0.525	0.021	1.211	417	1.04	6.15%	19.26%	13.22%	5.26%	1.94%	2.86%
C	Re-Cleaner Con 3	0.012	45220	1.568	22.909	63.516	0.009	0.198	0.013	0.210	0.341	0.008	0.014	1.462	0.002	0.443	0.039	2.246	800	1.56	3.00%	7.53%	7.42%	2.56%	1.37%	2.58%
C	Re-Cleaner Con 4	0.006	10100	1.104	16.194	71.909	0.004	0.080	0.010	0.073	0.061	0.002	0.004	3.610	0.003	0.163	0.042	3.678	1154	1.33	1.67%	0.94%	2.92%	1.62%	1.89%	2.36%
T	Re-Cleaner Tail	0.062	2680	0.441	13.047	77.788	0.004	0.025	<0.001	0.035	0.010	<0.001	0.001	4.093	0.002	0.047	0.017	3.276	947	0.59	16.10%	2.40%	11.22%	16.87%	20.60%	20.24%
T	Cleaner Tail	0.071	1440	0.311	12.377	78.956	0.015	0.018	0.002	0.033	0.009	<0.001	<0.001	4.164	0.002	0.038	0.021	3.165	879	0.47	18.37%	1.47%	9.03%	19.54%	23.91%	22.31%
T	Rougher Tail	0.140	1130	0.287	12.218	79.285	0.009	0.017	<0.001	0.033	0.007	<0.001	<0.001	4.125	0.002	0.036	0.013	3.185	913	0.46	36.40%	2.28%	16.50%	38.87%	46.93%	44.47%
Circuit Summary MO17DD001 Comp Flow Sheet B																										
MO17DD001 Comp																										
	Assay Head		17620	0.953	16.050	74.305	<0.001	0.089	0.004	0.112	0.126	0.007	0.009	3.244	0.001	0.185	0.023	2.634	796	0.43						
MO17DD001 Comp Flowsheet B Circuit Summary																										
	Calc. Head	151.000	17931	0.654	15.862	74.100	0.010	0.088	0.004	0.114	0.139	0.004	0.006	3.202	0.002	0.198	0.018	2.633	772	0.68	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	Fraction																									
C	Concentrate	43.430	58001	1.374	24.001	62.993	0.010	0.248	0.011	0.299	0.458	0.012	0.021	0.940	0.001	0.569	0.017	1.162	397	1.05	28.76%	93.04%	60.41%	24.45%	8.44%	12.69%
T	Tailing	107.570	1752	0.364	12.576	78.584	0.010	0.024	0.001	0.039	0.010	0.000	0.000	4.116	0.002	0.049	0.019	3.227	923	0.53	71.24%	6.96%	39.59%	75.55%	91.56%	87.31%

Masses calculated as equivalent dry

Blue = Calculated

SAMPLE	Mass	STAGE Deportment
	kg	Yield

MO17DD002 Comp P80 0.18mm

Assay Head

MO17DD002 Comp P80 0.18mm Particle Size Distribution

Calc. Head	0.193	100.00%
Size (mm)		
+0.25	0.007	3.84%
+0.18	0.027	14.15%
+0.15	0.016	8.24%
+0.125	0.017	9.02%
+0.106	0.032	16.43%
+0.09	0.012	6.43%
+0.063	0.019	9.75%
+0.045	0.016	8.09%
+0.038	0.016	8.45%
-0.038	0.030	15.60%

SAMPLE	Mass	STAGE Deportment
	kg	Yield

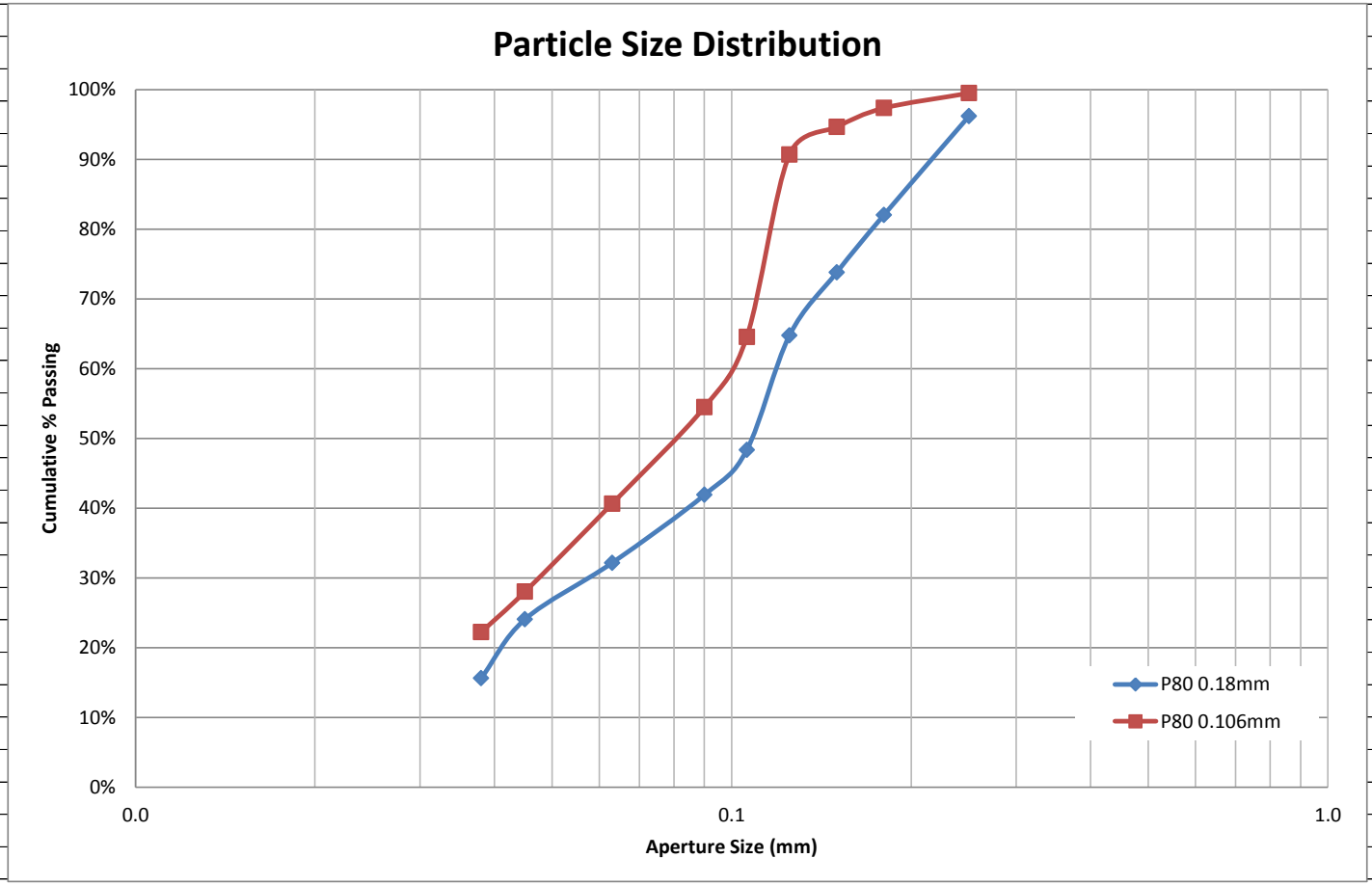
MO17DD002 Comp P80 0.106mm

Assay Head

MO17DD002 Comp P80 0.106mm Particle Size Distribution

Calc. Head	0.173	100.00%
Size (mm)		
+0.25	0.001	0.52%
+0.18	0.004	2.14%
+0.15	0.005	2.72%
+0.125	0.007	3.94%
+0.106	0.045	26.16%
+0.09	0.017	10.07%
+0.063	0.024	13.83%
+0.045	0.022	12.62%
+0.038	0.010	5.79%
-0.038	0.038	22.22%

SAMPLE	Mass	STAGE Deportment
	kg	Yield



Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment			
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2

Cyclone Operating Parameters

Parameter	
Cyclone (inch)	2
Vortex Finder (mm)	11
Spigot (mm)	11.0
Pressure (kPa)	200
Target Cut Point (COF P80) (mm)	0.010
% Solids	20

MO17DD002 Comp P100 1mm

Assay Head		13970	0.902	16.006	73.589	0.002	0.092	0.004	0.129	0.101	0.005	0.011	3.817	0.002	0.188	0.020	2.959	823	0.42				

MO17DD002 Comp P100 1mm Cyclone Deslime

Calc. Head	19.459	13964	0.410	16.129	73.661	0.007	0.090	0.003	0.127	0.098	0.003	0.006	3.727	0.003	0.190	0.010	3.091	805	0.55		100.00%	100.00%	100.00%	100.00%
Cyclone																							
Underflow	19.250	14000	0.393	16.084	73.782	0.007	0.088	0.003	0.125	0.098	0.003	0.006	3.728	0.003	0.186	0.007	3.069	797	0.53		98.92%	99.18%	94.75%	99.09%
Overflow	0.210	10700	2.002	20.225	62.580	0.011	0.294	0.011	0.314	0.079	0.004	0.008	3.663	0.018	0.550	0.265	5.119	1530	2.67		1.08%	0.82%	5.25%	0.91%

Mass calculated as equivalent dry

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Sighter Three-Stage Flotation #13 Parameters

Parameters	Time		Data						Reagents						
Stage	Cond'n	Float	Pulp Density	pH	ORP (Ag/AgCl)	Temp.	Water Type	RPM	Sodium Carbonate (10%)	Na2SiO3 (2.35 ratio)	Flotinor 7801	Oleic Acid	Pine Oil	HCl (10%)	
	min	min	%w/v		mV	°C			mL	g/t	g/t	g/t	Drops	mL	
Initial			32	8.00	238		Perth Tap	1200							
Rougher Con 1	10+10	1	32	8.07	196	29	Perth Tap	1200/900	0.45	50	500			0.06	
Rougher Con 2		1	32	8.15	193	29	Perth Tap	900							
Rougher Con 3		1	32	8.14	201	28	Perth Tap	900							
Rougher Con 4		1	32	7.95	208	28	Perth Tap	900						0.03	
Rougher Con 5	5+5	1	32	8.05	207	28	Perth Tap	900	0.30	20	300			0.02	
Rougher Con 6		1	32	8.12	205	28	Perth Tap	900							
Rougher Con 7		1	32	7.97	209	28	Perth Tap	900						0.02	
Rougher Con 8		1	32	8.10	212	28	Perth Tap	900							
Rougher Con 9		1	32	8.02	219	27	Perth Tap	900						0.02	
Rougher Con 10		1	32	8.14	208	27	Perth Tap	900							
Rougher Con 1-10 combined for Cleaner Flotation. Cleaner Flotation conducted in Rougher Con Filtrate															
Cleaner Con 1	10+10	1	10	8.00	207	29	Ro Con Filtrate	1200/900	0.05	50	200			0.01	
Cleaner Con 2		1	10	8.08	206		Ro Con Filtrate	900							
Cleaner Con 3		1	10	8.15	204	29	Ro Con Filtrate	900							
Cleaner Con 4		1	10	8.01	213	28	Ro Con Filtrate	900						0.02	
Cleaner Con 5	5+5	1	10	8.10	221		Ro Con Filtrate	900		20	100			0.01	
Cleaner Con 6		1	10	7.98	227	28	Ro Con Filtrate	900						0.02	
Cleaner Con 7		1	10	8.12	231	28	Ro Con Filtrate	900							
Cleaner Con 8	5+5	1	10	8.02	237	25	Ro Con Filtrate	900		10	50			0.03	
Cleaner Con 9		1	10	7.97	238	25	Ro Con Filtrate	900						0.03	
Cleaner Con 10		1	10	8.10	241	25	Ro Con Filtrate	900							
Cleaner Con 1-10 combined for Re-Cleaner Flotation. Re-Cleaner Flotation conducted in Cleaner Con Filtrate															
Re-Cleaner Con 1	10+10	1	8	7.95	223	25	Cl Con Filtrate	1200/900		30	100			0.03	
Re-Cleaner Con 2		1	8	8.04	221	25	Cl Con Filtrate	900							
Re-Cleaner Con 3	5+5	2	8	8.11	230		Cl Con Filtrate	900	0.03	10	50			0.02	
Re-Cleaner Con 4		2	8	8.08	238	24	Cl Con Filtrate	900						0.01	
Re-Cleaner Con 5		2	8	8.12	245	24	Cl Con Filtrate	901						0.02	

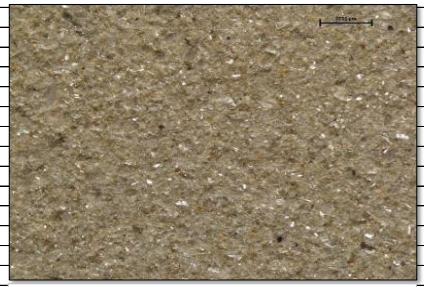
MO17DD002 Comp FS B P100 1mm CUF P80 0.180mm

Assay Head		14000	0.393	16.084	73.782	0.007	0.088	0.003	0.125	0.098	0.003	0.006	3.728	0.003	0.186	0.007	3.069	797	0.53						

MO17DD002 Comp FS B P100 1mm CUF P80 0.180mm Sighter Float Test #13

Calc. Head	0.383	13825	0.583	15.853	73.898	0.003	0.085	0.003	0.121	0.101	0.003	0.010	3.806	0.003	0.183	0.013	2.996	772	0.55		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Float																										
Re-Cleaner Con 1	0.052	58520	1.283	23.722	63.549	0.009	0.347	0.014	0.488	0.523	0.015	0.034	1.046	<0.001	0.778	0.035	0.865	244	0.45		13.62%	57.66%	29.96%	11.72%	3.74%	3.93%
Re-Cleaner Con 2	0.025	45490	1.371	22.024	66.177	0.003	0.218	0.011	0.265	0.231	0.008	0.022	1.770	0.003	0.457	0.039	1.634	467	0.50		6.52%	21.47%	15.33%	5.84%	3.03%	3.56%
Re-Cleaner Con 3	0.018	27820	1.442	19.288	68.651	0.005	0.162	0.009	0.183	0.118	0.008	0.016	2.747	0.004	0.337	0.046	2.574	731	0.97		4.75%	9.56%	11.74%	4.41%	3.43%	4.08%
Re-Cleaner Con 4	0.002	17300	1.857	18.188	67.342	0.008	0.158	0.025	0.170	0.095	0.008	0.016	3.567	0.005	0.391	0.102	3.487	996	1.95		0.44%	0.56%	1.41%	0.40%	0.42%	0.52%
Re-Cleaner Con 5	0.001	17300	1.857	18.188	67.342	0.008	0.158	0.025	0.170	0.095	0.008	0.016	3.567	0.005	0.391	0.102	3.487	996	1.95		0.17%	0.22%	0.56%	0.16%	0.16%	0.20%
Re-Cleaner Tail	0.007	6750	1.085	17.956	69.586	0.007	0.069	0.004	0.055	0.031	0.003	0.011	3.895	0.005	0.094	0.051	4.692	1345	1.43		1.93%	0.94%	3.59%	1.82%	1.98%	3.02%
Cleaner Tail	0.024	4650	0.637	15.882	73.238	0.007	0.040	<0.001	0.044	0.018	0.001	0.006	4.306	0.004	0.065	0.023	4.079	1109	0.90		6.29%	2.12%	6.87%	6.23%	7.12%	8.56%
Rougher Tail	0.254	1560	0.269	13.295	77.411	0.001	0.016	<0.001	0.036	0.010	<0.001	0.004	4.602	0.003	0.034	<0.001	3.442	862	0.48		66.26%	7.48%	30.55%	69.41%	80.12%	76.12%

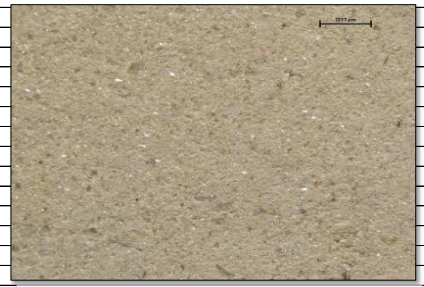
SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O



Re-Cleaner Con 1

Re-Cleaner Con 2

Re-Cleaner Con 3, 4 & 5



Re-Cleaner Tail

Cleaner Tail

Rougher Tail

Orange= combined for analysis due to insufficient sample

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Sighter Three-Stage Flotation #14 Parameters

Parameters	Time		Data						Reagents						
Stage	Cond'n	Float	Pulp Density	pH	ORP (Ag/AgCl)	Temp.	Water Type	RPM	Sodium Carbonate (10%)	Na2SiO3 (2.35 ratio)	Flotinor 7801	Oleic Acid	Pine Oil	HCl (10%)	
	min	min	%w/v		mV	°C			mL	g/t	g/t	g/t	Drops	mL	
Initial			32	7.99	182	25	Perth Tap	1200							
Rougher Con 1	10+10	1	32	8.40	172	28	Perth Tap	1200/900	1.70	50		1500		0.07	
Rougher Con 2		1	32	8.06	104	28	Perth Tap	900						0.02	
Rougher Con 3		1	32	8.14	110	27	Perth Tap	900							
Rougher Con 4		1	32	8.14	115	27	Perth Tap	900						0.02	
Rougher Con 5	5+5	1	32	7.94	172	27	Perth Tap	900	0.75	20		1000		0.04	
Rougher Con 6		1	32	8.03	171	27	Perth Tap	900							
Rougher Con 7		1	32	8.03	168		Perth Tap	900							
Rougher Con 8		1	32	8.13	77	20	Perth Tap	900							
Rougher Con 9		1	32	8.05	112	20	Perth Tap	900						0.01	
Rougher Con 1-9 combined for Cleaner Flotation. Cleaner Flotation conducted in Rougher Con Filtrate															
Cleaner Con 1	10+10	1	13	7.98	147	24	Ro Con Filtrate	1200/900	0.15	50		400		0.06	
Cleaner Con 2		1	13	8.08	151		Ro Con Filtrate	900							
Cleaner Con 3		1	13	8.11	161	24	Ro Con Filtrate	900							
Cleaner Con 4		1	13	8.10	165		Ro Con Filtrate	900	0.10					0.01	
Cleaner Con 5	5+5	1	13	8.10	142	24	Ro Con Filtrate	900		20		200		0.03	
Cleaner Con 6		1	13	8.07	152		Ro Con Filtrate	900						0.01	
Cleaner Con 7		1	13	8.08	159	24	Ro Con Filtrate	900						0.01	
Cleaner Con 8	5+5	1	13	8.13	156	24	Ro Con Filtrate	900	0.05	10		100		0.01	
Cleaner Con 1-8 combined for Re-Cleaner Flotation. Re-Cleaner Flotation conducted in Cleaner Con Filtrate															
Re-Cleaner Con 1	10+10	1	10	8.07	156	24	Cl Con Filtrate	1200/900	0.05	30		200			
Re-Cleaner Con 2		1	10	7.92	171	24	Cl Con Filtrate	900						0.01	
Re-Cleaner Con 3	5+5	2	10	8.39	181	24	Cl Con Filtrate	900		10		100		0.01	
Re-Cleaner Con 4		2	10	8.14	187	24	Cl Con Filtrate	900						0.01	

MO17DD002 Comp FS B P100 1mm CUF P80 0.180mm

Assay Head		14000	0.393	16.084	73.782	0.007	0.088	0.003	0.125	0.098	0.003	0.006	3.728	0.003	0.186	0.007	3.069	797	0.53						

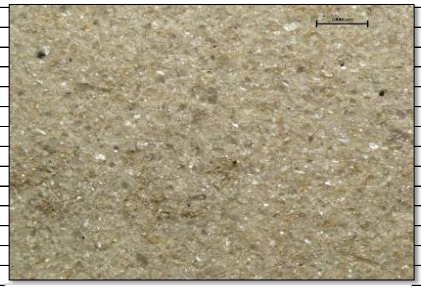
MO17DD002 Comp FS B P100 1mm CUF P80 0.180mm Sighter Float Test #14

Calc. Head	0.399	14340	0.609	15.933	73.634	0.005	0.087	0.004	0.121	0.105	0.003	0.007	3.618	0.003	0.196	0.028	3.022	802	0.67		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Float																										
Re-Cleaner Con 1	0.058	59050	1.544	23.870	62.147	0.010	0.340	0.018	0.449	0.482	0.014	0.032	0.798	0.001	0.773	0.047	1.021	334	1.06		14.41%	59.33%	36.51%	12.16%	3.18%	4.87%
Re-Cleaner Con 2	0.022	49830	1.394	22.748	64.336	0.011	0.257	0.013	0.318	0.316	0.010	0.024	1.202	0.001	0.583	0.043	1.382	434	1.14		5.59%	19.42%	12.78%	4.88%	1.86%	2.55%
Re-Cleaner Con 3	0.011	42470	1.469	21.577	65.227	0.009	0.232	0.015	0.279	0.266	0.009	0.021	1.602	0.002	0.518	0.068	1.914	570	1.31		2.73%	8.09%	6.59%	2.42%	1.21%	1.73%
Re-Cleaner Con 4	0.003	29280	1.945	20.769	63.763	0.033	0.176	0.023	0.185	0.138	<0.001	0.016	2.405	<0.001	0.472	0.008	3.488	1080	2.29		0.83%	1.69%	2.64%	0.72%	0.55%	0.95%
Re-Cleaner Tail	0.029	3050	0.412	14.000	76.072	0.004	0.028	0.002	0.043	0.016	<0.001	<0.001	4.386	0.003	0.067	0.038	3.594	896	0.64		7.32%	1.56%	4.95%	7.56%	8.87%	8.70%
Cleaner Tail	0.041	8010	0.734	16.439	72.671	0.008	0.053	0.002	0.042	0.027	0.001	0.003	3.685	0.003	0.081	0.055	3.882	1134	1.04		10.27%	5.74%	12.38%	10.14%	10.46%	13.19%
Rougher Tail	0.235	1020	0.250	13.165	77.722	0.003	0.014	<0.001	0.037	0.009	<0.001	<0.001	4.541	0.003	0.035	0.014	3.492	889	0.41		58.86%	4.19%	24.15%	62.13%	73.87%	68.00%

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Re-Cleaner Con 1

Re-Cleaner Con 2

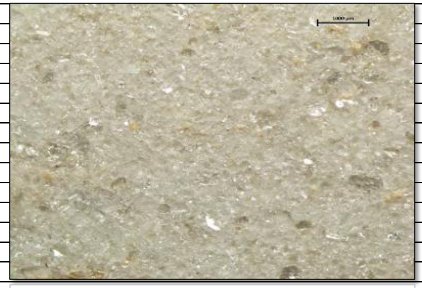


Re-Cleaner Con 3

Re-Cleaner Con 4

Re-Cleaner Tail

Cleaner Tail



Rougher Tail

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Sighter Three-Stage Flotation #15 Parameters

Parameters	Time		Data						Reagents						
Stage	Cond'n	Float	Pulp Density	pH	ORP (Ag/AgCl)	Temp.	Water Type	RPM	Sodium Carbonate (10%)	Na2SiO3 (2.35 ratio)	Flotinor 7801	Oleic Acid	Pine Oil	HCl (10%)	
	min	min	%w/v		mV	°C			mL	g/t	g/t	g/t	Drops	mL	
Initial			32	8.16	144	31	Perth Tap	1200							
Rougher Con 1	10+10	1	32	7.98	156	33	Perth Tap	1200/900	0.20	50	500				
Rougher Con 2		1	32	7.92	167	32	Perth Tap	900							
Rougher Con 3		1	32	8.02	167	31	Perth Tap	900							
Rougher Con 4		1	32	8.08	156	31	Perth Tap	900							
Rougher Con 5	5+5	1	32	8.04	174	31	Perth Tap	900	0.20	20	300			0.20	
Rougher Con 6		1	32	8.09	180	30	Perth Tap	900							
Rougher Con 7		1	32	8.01	182	30	Perth Tap	900							
Rougher Con 8		1	32	7.94	193	29	Perth Tap	900							
Rougher Con 9		1	32	8.05	192	29	Perth Tap	900							
Rougher Con 10		1	32	8.07	196	28	Perth Tap	900							
Rougher Con 1-10 combined for Cleaner Flotation. Cleaner Flotation conducted in Rougher Con Filtrate															
Cleaner Con 1	10+10	1	27	8.10	125	30	Ro Con Filtrate	1200/900	0.20	50	200			0.10	
Cleaner Con 2		1	27	8.06	139	27	Ro Con Filtrate	900							
Cleaner Con 3		1	27	7.94	141	27	Ro Con Filtrate	900							
Cleaner Con 4		1	27	8.05	119	27	Ro Con Filtrate	900	0.20					0.20	
Cleaner Con 5	5+5	1	27	8.00	149	29	Ro Con Filtrate	900		20	100				
Cleaner Con 6		1	27	8.03	153	27	Ro Con Filtrate	900							
Cleaner Con 7		1	27	8.07	146	27	Ro Con Filtrate	900							
Cleaner Con 8	5+5	1	27	7.91	142	29	Ro Con Filtrate	900		10	50				
Cleaner Con 9		1	27	8.02	155	28	Ro Con Filtrate	900							
Cleaner Con 10		1	27	8.08	160	28	Ro Con Filtrate	900							
Cleaner Con 1-10 combined for Re-Cleaner Flotation. Re-Cleaner Flotation conducted in Cleaner Con Filtrate															
Re-Cleaner Con 1	10+10	1	19	7.98	187	30	Cl Con Filtrate	1200/900		30	100				
Re-Cleaner Con 2		1	19	8.02	187	30	Cl Con Filtrate	900							
Re-Cleaner Con 3	5+5	2	19	8.06	188	29	Cl Con Filtrate	900		10	50				
Re-Cleaner Con 4		2	19	8.08	190	28	Cl Con Filtrate	900							
Re-Cleaner Con 5		2	19	8.06	190	27	Cl Con Filtrate	901							

MO17DD002 Comp FS B P100 1mm CUF P80 0.106mm

Assay Head		14000	0.393	16.084	73.782	0.007	0.088	0.003	0.125	0.098	0.003	0.006	3.728	0.003	0.186	0.007	3.069	797	0.53						

MO17DD002 Comp FS B P100 1mm CUF P80 0.106mm Sighter Float Test #15

Calc. Head	0.400	14276	0.842	15.899	73.589	0.005	0.088	0.005	0.119	0.106	0.003	0.007	3.667	0.003	0.192	0.039	2.977	775	0.51		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Float																										
Re-Cleaner Con 1	0.051	45390	1.898	21.416	65.398	0.008	0.297	0.014	0.393	0.454	0.014	0.027	1.777	0.002	0.642	0.057	1.494	402	0.33		12.74%	40.52%	28.73%	11.33%	6.18%	6.40%
Re-Cleaner Con 2	0.043	38670	1.594	20.295	67.655	0.005	0.199	0.010	0.252	0.250	0.009	0.015	2.189	0.002	0.416	0.076	1.842	500	0.43		10.72%	29.04%	20.30%	9.86%	6.40%	6.63%
Re-Cleaner Con 3	0.047	25380	1.298	18.016	70.643	0.006	0.122	0.008	0.145	0.113	0.003	0.007	3.042	0.004	0.258	0.052	2.398	634	0.51		11.74%	20.88%	18.11%	11.27%	9.74%	9.46%
Re-Cleaner Con 4	0.030	8180	0.847	15.049	74.476	0.004	0.056	0.007	0.069	0.039	0.001	0.003	4.236	0.003	0.125	0.049	3.202	841	0.64		7.37%	4.22%	7.42%	7.46%	8.52%	7.93%
Re-Cleaner Con 5	0.015	2600	0.511	13.482	76.515	0.005	0.027	0.006	0.045	0.012	<0.001	<0.001	4.474	0.002	0.081	0.024	3.327	830	0.58		3.67%	0.67%	2.23%	3.82%	4.48%	4.11%
Re-Cleaner Tail	0.057	1610	0.509	14.447	75.789	0.006	0.025	<0.001	0.032	0.020	0.001	0.001	4.093	0.001	0.035	0.033	3.928	1105	0.75		14.34%	1.62%	8.67%	14.77%	16.01%	18.92%
Cleaner Tail	0.092	960	0.270	13.064	77.642	0.006	0.013	0.002	0.035	0.002	<0.001	0.002	4.577	0.004	0.046	0.027	3.460	868	0.45		22.89%	1.54%	7.34%	24.15%	28.57%	26.60%
Rougher Tail	0.066	1310	0.367	13.389	77.281	<0.001	0.018	<0.001	0.035	0.007	<0.001	<0.001	4.464	0.002	0.044	0.012	3.596	884	0.52		16.52%	1.52%	7.20%	17.35%	20.11%	19.95%

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Re-Cleaner Con 1

Re-Cleaner Con 2

Re-Cleaner Con 3

Re-Cleaner Con 4

Re-Cleaner Con 5

Re-Cleaner Tail

Cleaner Tail

Rougher Tail

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Sighter Three-Stage Flotation #16 Parameters

Parameters	Time		Data						Reagents								
Stage	Cond'n	Float	Pulp Density	pH	ORP (Ag/AgCl)	Temp.	Water Type	RPM	Sodium Carbonate (10%)	Na2SiO3 (2.35 ratio)	Flotinor 7801	Oleic Acid	Pine Oil	HCl (10%)			
	min	min	%w/v		mV	°C			mL	g/t	g/t	g/t	Drops	mL			
Initial			32	8.11	140	29	Perth Tap	1200						0.10			
Rougher Con 1	10+10	1	32	7.98	113	30	Perth Tap	1200/900	0.60	50		1500					
Rougher Con 2		1	32	8.70	110	29	Perth Tap	900	0.20								
Rougher Con 3		1	32	8.07	40	29	Perth Tap	900									
Rougher Con 4		1	32	8.05	84	29	Perth Tap	900									
Rougher Con 5	5+5	1	32	7.93	190	29	Perth Tap	900	0.60	20		1000					
Rougher Con 6		1	32	7.95	136	28	Perth Tap	900									
Rougher Con 7		1	32	8.06	129	27	Perth Tap	900									
Rougher Con 8		1	32	8.01	173	26	Perth Tap	900									
Rougher Con 9		1	32	8.00	174	25	Perth Tap	900									
Rougher Con 10		1	32	8.02	127	25	Perth Tap	900									
Rougher Con 1-10 combined for Cleaner Flotation. Cleaner Flotation conducted in Rougher Con Filtrate																	
Cleaner Con 1	10+10	1	22	8.10	187	28	Ro Con Filtrate	1200/900	0.20	50		400					
Cleaner Con 2		1	22	8.10	190	28	Ro Con Filtrate	900									
Cleaner Con 3		1	22	8.10	193	27	Ro Con Filtrate	900									
Cleaner Con 4		1	22	8.09	196	27	Ro Con Filtrate	900									
Cleaner Con 5	5+5	1	22	7.98	198	28	Ro Con Filtrate	900	0.60	20		200		0.10			
Cleaner Con 6		1	22	7.98	203	28	Ro Con Filtrate	900									
Cleaner Con 7		1	22	8.03	204	28	Ro Con Filtrate	900									
Cleaner Con 8	5+5	1	22	8.08	203	25	Ro Con Filtrate	900	0.40	10		100					
Cleaner Con 9		1	22	8.10	207	25	Ro Con Filtrate	900									
Cleaner Con 10		1	22	8.09	210	25	Ro Con Filtrate	900									
Cleaner Con 1-10 combined for Re-Cleaner Flotation. Re-Cleaner Flotation conducted in Cleaner Con Filtrate																	
Re-Cleaner Con 1	10+10	1	17	7.94	211	25	Cl Con Filtrate	1200/900	0.20	30		200					
Re-Cleaner Con 2		1	17	8.04	117	25	Cl Con Filtrate	900									
Re-Cleaner Con 3	5+5	2	17	8.10	173	28	Cl Con Filtrate	900		10		100					
Re-Cleaner Con 4		2	17	8.09	170	28	Cl Con Filtrate	900									

MO17DD002 Comp FS B P100 1mm CUF P80 0.106mm

Assay Head		14000	0.393	16.084	73.782	0.007	0.088	0.003	0.125	0.098	0.003	0.006	3.728	0.003	0.186	0.007	3.069	797	0.53						

MO17DD002 Comp FS B P100 1mm CUF P80 0.106mm Sighter Float Test #16

Calc. Head	0.401	14477	0.841	15.894	73.209	0.006	0.090	0.005	0.121	0.108	0.003	0.007	3.631	0.003	0.206	0.030	2.969	788	0.77		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Float																									
Re-Cleaner Con 1	0.060	53410	2.302	22.913	62.653	0.007	0.312	0.016	0.392	0.427	0.014	0.027	0.948	0.001	0.714	0.052	1.214	383	1.09		14.90%	54.97%	40.77%	12.75%	3.89%	6.09%
Re-Cleaner Con 2	0.037	46270	2.135	21.662	64.802	0.009	0.257	0.011	0.309	0.322	0.011	0.024	1.272	0.003	0.572	0.053	1.623	518	1.13		9.28%	29.67%	23.56%	8.22%	3.25%	5.08%
Re-Cleaner Con 3	0.022	24170	1.630	18.047	69.567	0.017	0.148	0.008	0.153	0.148	0.005	0.014	2.269	0.003	0.314	0.042	2.756	856	1.24		5.52%	9.21%	10.69%	5.24%	3.45%	5.12%
Re-Cleaner Con 4	0.010	5070	0.827	15.425	73.222	0.007	0.050	0.007	0.048	0.032	0.002	0.004	3.930	0.003	0.093	0.050	3.976	1116	1.43		2.50%	0.87%	2.45%	2.50%	2.70%	3.34%
Re-Cleaner Tail	0.084	1720	0.407	13.696	76.575	0.006	0.023	0.003	0.034	0.012	<0.001	<0.001	4.350	0.002	0.043	0.041	3.630	972	0.78		20.86%	2.48%	10.09%	21.82%	24.99%	25.51%
Cleaner Tail	0.059	760	0.192	13.034	77.577	0.003	0.009	<0.001	0.036	0.005	<0.001	0.002	4.826	0.004	0.040	0.010	3.421	823	0.53		14.72%	0.77%	3.36%	15.60%	19.57%	16.97%
Rougher Tail	0.129	910	0.237	13.385	76.960	0.004	0.013	<0.001	0.036	0.007	<0.001	<0.001	4.750	0.004	0.038	0.011	3.492	881	0.49		32.22%	2.03%	9.08%	33.87%	42.15%	37.90%

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O

Re-Cleaner Con 1

Re-Cleaner Con 2

Re-Cleaner Con 3

Re-Cleaner Con 4

Re-Cleaner Tail

Cleaner Tail

Rougher Tail

Blue = Calculated

Sighter Flotation Test Summary

			Li_2O		Fe_2O_3		SiO_2	
Test #	Description	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Test 13	P80 0.18mm - Flotinor 7801	25.52%	48474	89.46%	1.349	58.99%	65.263	22.53%
Test 14	P80 0.18mm - Oleic Acid	23.55%	53895	88.52%	1.514	58.52%	63.080	20.18%
Test 15	P80 0.106mm - Flotinor 7801	46.25%	29423	95.33%	1.398	76.79%	69.583	43.73%
Test 16	P80 0.106mm - Oleic Acid	32.19%	42594	94.72%	2.024	77.47%	65.277	28.71%

Sighter Flotation Test #13 - P80 0.18mm - Flotinor 7801

		Li_2O		Fe_2O_3		SiO_2	
	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Re-Cleaner Con 1	13.62%	58520	57.66%	1.283	29.96%	63.549	11.72%
Re-Cleaner Con 2	6.52%	45490	21.47%	1.371	15.33%	66.177	5.84%
Re-Cleaner Con 3	4.75%	27820	9.56%	1.442	11.74%	68.651	4.41%
Re-Cleaner Con 4	0.44%	17300	0.56%	1.857	1.41%	67.342	0.40%
Re-Cleaner Con 5	0.17%	17300	0.22%	1.857	0.56%	67.342	0.16%
Re-Cleaner Con 1-5	25.52%	48474	89.46%	1.349	58.99%	65.263	22.53%

Sighter Flotation Test #14 - P80 0.18mm - Oleic Acid

		Li_2O		Fe_2O_3		SiO_2	
	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Re-Cleaner Con 1	14.41%	59050	59.33%	1.544	36.51%	62.147	12.16%
Re-Cleaner Con 2	5.59%	49830	19.42%	1.394	12.78%	64.336	4.88%
Re-Cleaner Con 3	2.73%	42470	8.09%	1.469	6.59%	65.227	2.42%
Re-Cleaner Con 4	0.83%	29280	1.69%	1.945	2.64%	63.763	0.72%
Re-Cleaner Con 1-4	23.55%	53895	88.52%	1.514	58.52%	63.080	20.18%

Sighter Flotation Test #15 - P80 0.106mm - Flotinor 7801

		Li_2O		Fe_2O_3		SiO_2	
	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Re-Cleaner Con 1	12.74%	45390	40.52%	1.898	28.73%	65.398	11.33%
Re-Cleaner Con 2	10.72%	38670	29.04%	1.594	20.30%	67.655	9.86%
Re-Cleaner Con 3	11.74%	25380	20.88%	1.298	18.11%	70.643	11.27%
Re-Cleaner Con 4	7.37%	8180	4.22%	0.847	7.42%	74.476	7.46%
Re-Cleaner Con 5	3.67%	2600	0.67%	0.511	2.23%	76.515	3.82%
Re-Cleaner Con 1-5	46.25%	29423	95.33%	1.398	76.79%	69.583	43.73%

Sighter Flotation Test #16 - P80 0.106mm - Oleic Acid							
		Li_2O		Fe_2O_3		SiO_2	
	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Re-Cleaner Con 1	14.90%	53410	54.97%	2.302	40.77%	62.653	12.75%
Re-Cleaner Con 2	9.28%	46270	29.67%	2.135	23.56%	64.802	8.22%
Re-Cleaner Con 3	5.52%	24170	9.21%	1.630	10.69%	69.567	5.24%
Re-Cleaner Con 4	2.50%	5070	0.87%	0.827	2.45%	73.222	2.50%
Re-Cleaner Con 1-4	32.19%	42594	94.72%	2.024	77.47%	65.277	28.71%

Blue = Calculated

	SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
		kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	Na2O	K2O
	-0.5mm Cyclone Deslime																									
	MO17DD002 Comp P100 1mm																									
	Assay Head		13970	0.902	16.006	73.589	0.002	0.092	0.004	0.129	0.101	0.005	0.011	3.817	0.002	0.188	0.020	2.959	823	0.42						
	MO17DD002 Comp P100 1mm Cyclone Deslime																									
	Calc. Head	19.459	13964	0.410	16.129	73.661	0.007	0.090	0.003	0.127	0.098	0.003	0.006	3.727	0.003	0.190	0.010	3.091	805	0.55	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	Cyclone																									
	Underflow	19.250	14000	0.393	16.084	73.782	0.007	0.088	0.003	0.125	0.098	0.003	0.006	3.728	0.003	0.186	0.007	3.069	797	0.53	98.92%	99.18%	94.75%	99.09%	98.94%	98.22%
T	Overflow	0.210	10700	2.002	20.225	62.580	0.011	0.294	0.011	0.314	0.079	0.004	0.008	3.663	0.018	0.550	0.265	5.119	1530	2.67	1.08%	0.82%	5.25%	0.91%	1.06%	1.78%
	Sighter Flotation #10																									
	MO17DD002 Comp FS B P100 1mm Cyclone Underflow																									
	Assay Head		14000	0.393	16.084	73.782	0.007	0.088	0.003	0.125	0.098	0.003	0.006	3.728	0.003	0.186	0.007	3.069	797	0.53						
	MO17DD002 Comp FS B P100 1mm Cyclone Underflow Sighter Flotation Test #14																									
	Calc. Head	0.399	14340	0.609	15.933	73.634	0.005	0.087	0.004	0.121	0.105	0.003	0.007	3.618	0.003	0.196	0.028	3.022	802	0.67	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	Float																									
C	Re-Cleaner Con 1	0.058	59050	1.544	23.870	62.147	0.010	0.340	0.018	0.449	0.482	0.014	0.032	0.798	0.001	0.773	0.047	1.021	334	1.06	14.41%	59.33%	36.51%	12.16%	3.18%	4.87%
T	Re-Cleaner Con 2	0.022	49830	1.394	22.748	64.336	0.011	0.257	0.013	0.318	0.316	0.010	0.024	1.202	0.001	0.583	0.043	1.382	434	1.14	5.59%	19.42%	12.78%	4.88%	1.86%	2.55%
T	Re-Cleaner Con 3	0.011	42470	1.469	21.577	65.227	0.009	0.232	0.015	0.279	0.266	0.009	0.021	1.602	0.002	0.518	0.068	1.914	570	1.31	2.73%	8.09%	6.59%	2.42%	1.21%	1.73%
T	Re-Cleaner Con 4	0.003	29280	1.945	20.769	63.763	0.033	0.176	0.023	0.185	0.138	<0.001	0.016	2.405	<0.001	0.472	0.008	3.488	1080	2.29	0.83%	1.69%	2.64%	0.72%	0.55%	0.95%
T	Re-Cleaner Tail	0.029	3050	0.412	14.000	76.072	0.004	0.028	0.002	0.043	0.016	<0.001	<0.001	4.386	0.003	0.067	0.038	3.594	896	0.64	7.32%	1.56%	4.95%	7.56%	8.87%	8.70%
T	Cleaner Tail	0.041	8010	0.734	16.439	72.671	0.008	0.053	0.002	0.042	0.027	0.001	0.003	3.685	0.003	0.081	0.055	3.882	1134	1.04	10.27%	5.74%	12.38%	10.14%	10.46%	13.19%
T	Rougher Tail	0.235	1020	0.250	13.165	77.722	0.003	0.014	<0.001	0.037	0.009	<0.001	<0.001	4.541	0.003	0.035	0.014	3.492	889	0.41	58.86%	4.19%	24.15%	62.13%	73.87%	68.00%
	Circuit Summary MO17DD002 Comp Flow Sheet B																									
	MO17DD002 Comp																									
	Assay Head		13970	0.902	16.006	73.589	0.002	0.092	0.004	0.129	0.101	0.005	0.011	3.817	0.002	0.188	0.020	2.959	823	0.42						
	MO17DD002 Comp Flowsheet B Circuit Summary																									
	Calc. Head	111.000	14301	0.624	15.979	73.515	0.006	0.089	0.004	0.123	0.104	0.003	0.007	3.618	0.003	0.200	0.030	3.045	810	0.69	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	Fraction																									
C	Concentrate	15.820	59050	1.544	23.870	62.147	0.010	0.340	0.018	0.449	0.482	0.014	0.032	0.798	0.001	0.773	0.047	1.021	334	1.06	14.25%	58.85%	35.25%	12.05%	3.14%	4.78%
T	Tailing	95.180	6863	0.471	14.667	75.404	0.005	0.047	0.002	0.069	0.042	0.001	0.003	4.087	0.003	0.104	0.028	3.381	889	0.63	85.75%	41.15%	64.75%	87.95%	96.86%	95.22%

Masses calculated as equivalent dry

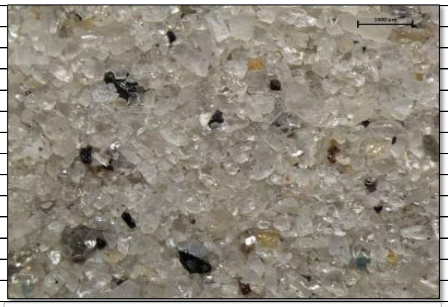
Blue = Calculated

Sighter Flotation Test Summary

				Li_2O		Fe_2O_3		SiO_2	
Test #	Sample ID	Description	Mass Yield (%)	Grade (ppm)	Recovery (%)	Grade (%)	Recovery (%)	Grade (%)	Recovery (%)
Test 1	MO17DD001 Comp FS A	P80 0.18mm - Flotinor 7801	22.47%	51212	81.49%	1.621	55.14%	63.960	18.92%
Test 2	MO17DD001 Comp FS A	P80 0.18mm - Oleic Acid	24.92%	47872	87.68%	1.560	58.52%	64.913	21.35%
Test 3	MO17DD001 Comp FS A	P80 0.106mm - Flotinor 7801	25.11%	47904	85.37%	2.560	69.80%	62.930	20.93%
Test 4	MO17DD001 Comp FS A	P80 0.106mm - Oleic Acid	29.00%	44571	90.08%	2.463	74.87%	63.509	24.48%
Test 5	MO17DD002 Comp FS A	P80 0.18mm - Flotinor 7801	15.91%	51538	64.18%	2.151	49.32%	60.779	12.96%
Test 6	MO17DD002 Comp FS A	P80 0.18mm - Oleic Acid	21.30%	45093	75.66%	1.872	57.59%	62.834	17.94%
Test 7	MO17DD002 Comp FS A	P80 0.106mm - Flotinor 7801	23.06%	43545	79.57%	2.722	67.26%	62.364	19.29%
Test 8	MO17DD002 Comp FS A	P80 0.106mm - Oleic Acid	31.59%	36662	90.05%	2.384	78.55%	64.596	27.46%
Test 9	MO17DD001 Comp FS B	P80 0.18mm - Flotinor 7801	29.63%	53221	85.23%	1.382	63.16%	64.712	25.83%
Test 10	MO17DD001 Comp FS B	P80 0.18mm - Oleic Acid	29.13%	58001	93.85%	1.374	63.25%	62.993	24.71%
Test 11	MO17DD001 Comp FS B	P80 0.106mm - Flotinor 7801	40.88%	41411	94.68%	1.623	75.95%	68.254	37.64%
Test 12	MO17DD001 Comp FS B	P80 0.106mm - Oleic Acid	36.44%	46785	95.32%	1.961	80.22%	65.817	32.45%
Test 13	MO17DD002 Comp FS B	P80 0.18mm - Flotinor 7801	25.52%	48474	89.46%	1.349	58.99%	65.263	22.53%
Test 14	MO17DD002 Comp FS B	P80 0.18mm - Oleic Acid	23.55%	53895	88.52%	1.514	58.52%	63.080	20.18%
Test 15	MO17DD002 Comp FS B	P80 0.106mm - Flotinor 7801	46.25%	29423	95.33%	1.398	76.79%	69.583	43.73%
Test 16	MO17DD002 Comp FS B	P80 0.106mm - Oleic Acid	32.19%	42594	94.72%	2.024	77.47%	65.277	28.71%

Blue = Calculated

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	SnO2	Ta2O5
MO17DD001 Comp																									
Assay Head		17620	0.953	16.050	74.305	<0.001	0.089	0.004	0.112	0.126	0.007	0.009	3.244	0.001	0.185	0.023	2.634	796	0.43						
MO17DD001 Comp Wet Table																									
Calc. Head	3.227	18421	0.381	15.790	74.794	0.003	0.079	0.004	0.106	0.134	0.003	0.005	3.239	0.002	0.165	0.023	2.516	749	0.46		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Fraction																									
Cut 1	0.083	37350	0.854	18.638	68.054	0.012	0.244	0.023	0.302	2.655	0.055	0.079	2.282	<0.001	0.456	0.038	1.396	455	0.32		2.58%	5.24%	5.80%	2.35%	51.10%	49.59%
Cut 2	0.325	35220	0.435	18.651	71.711	<0.001	0.137	0.006	0.167	0.341	0.005	0.005	2.408	0.001	0.253	0.020	1.513	459	0.37		10.07%	19.25%	11.50%	9.65%	25.56%	17.56%
Cut 3	0.610	23630	0.313	16.391	74.714	<0.001	0.082	0.002	0.110	0.056	<0.001	0.006	2.989	0.002	0.167	0.016	2.019	595	0.38		18.89%	24.24%	15.53%	18.87%	7.88%	0.00%
Cut 4	0.679	16330	0.311	14.983	75.914	0.004	0.064	0.005	0.094	0.026	0.002	<0.001	3.369	0.002	0.148	0.012	2.497	724	0.41		21.05%	18.66%	17.20%	21.37%	4.08%	14.69%
Cut 5	0.505	14380	0.297	15.022	76.049	0.003	0.064	0.002	0.089	0.023	<0.001	<0.001	3.403	0.002	0.137	0.025	2.695	797	0.42		15.66%	12.23%	12.22%	15.92%	2.68%	0.00%
Cut 6	0.416	14530	0.406	15.430	74.775	0.008	0.060	0.003	0.084	0.030	0.002	0.003	3.445	0.002	0.133	0.037	2.925	878	0.54		12.88%	10.16%	13.74%	12.88%	2.88%	8.99%
Cut 7	0.184	9870	0.279	14.026	77.116	<0.001	0.043	0.002	0.067	0.022	<0.001	<0.001	3.655	0.002	0.104	0.040	2.933	861	0.44		5.71%	3.06%	4.18%	5.88%	0.93%	0.00%
Cut 8	0.000	9870	0.279	14.026	77.116	<0.001	0.043	0.002	0.067	0.022	<0.001	<0.001	3.655	0.002	0.104	0.040	2.933	861	0.44		0.01%	0.00%	0.01%	0.01%	0.00%	0.00%
Slimes	0.424	10040	0.574	15.500	74.316	0.005	0.074	0.004	0.095	0.050	0.002	0.005	3.639	0.003	0.156	0.030	3.453	1061	0.76		13.14%	7.16%	19.82%	13.06%	4.89%	9.17%



Cut 1

Cut 2

Cut 3

Cut 4

Cut 5

Cut 6

Cut 7 & 8

Slimes

SAMPLE	Mass	Li_2O	Fe_2O_3	Al_2O_3	SiO_2	TiO_2	Mn	S	P	SnO_2	Ta_2O_5	Nb_2O_5	Na_2O	PbO	CaO	MgO	K_2O	Rb	LOI_{1000}	STAGE Deportment					
	kg	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	Yield	Li2O	Fe2O3	SiO2	SnO2	Ta2O5
MO17DD002 Comp																									
Assay Head		13970	0.902	16.006	73.589	0.002	0.092	0.004	0.129	0.101	0.005	0.011	3.817	0.002	0.188	0.020	2.959	823	0.42						
MO17DD002 Comp Wet Table																									
Calc. Head	4.977	14058	0.411	15.975	73.875	0.004	0.089	0.004	0.126	0.102	0.003	0.006	3.805	0.003	0.181	0.051	3.012	803	0.53		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Fraction																									
Cut 1	0.094	30120	0.633	17.913	68.983	0.005	0.244	0.031	0.313	2.603	0.049	0.076	2.824	<0.001	0.420	0.040	1.738	477	0.35		1.90%	4.06%	2.92%	1.77%	1.77%	31.97%
Cut 2	0.434	27740	0.473	17.755	72.317	0.003	0.146	0.007	0.187	0.281	0.007	0.012	2.981	0.003	0.256	0.030	1.939	514	0.41		8.71%	17.19%	10.04%	8.53%	8.53%	20.98%
Cut 3	0.783	19940	0.341	16.478	73.957	0.005	0.101	0.003	0.138	0.047	0.002	0.003	3.510	0.002	0.199	0.110	2.331	637	0.41		15.73%	22.31%	13.07%	15.75%	15.75%	10.82%
Cut 4	0.927	14810	0.306	15.631	74.863	0.005	0.078	0.003	0.115	0.025	0.002	0.003	3.834	0.002	0.166	0.061	2.742	722	0.46		18.62%	19.62%	13.88%	18.87%	18.87%	12.81%
Cut 5	0.861	11900	0.331	15.349	75.094	<0.001	0.066	0.003	0.099	0.017	<0.001	0.003	3.949	0.002	0.141	0.025	2.986	772	0.41		17.30%	14.64%	13.95%	17.58%	17.58%	0.00%
Cut 6	0.819	8750	0.362	15.263	74.418	0.004	0.057	0.003	0.092	0.023	0.001	0.004	4.093	0.004	0.133	0.041	3.525	918	0.57		16.46%	10.25%	14.52%	16.58%	16.58%	5.66%
Cut 7	0.203	8510	0.333	14.966	75.030	<0.001	0.050	0.003	0.081	0.020	<0.001	0.003	4.166	0.002	0.119	0.030	3.373	890	0.55		4.08%	2.47%	3.31%	4.14%	4.14%	0.00%
Cut 8	0.000	8510	0.333	14.966	75.030	<0.001	0.050	0.003	0.081	0.020	<0.001	0.003	4.166	0.002	0.119	0.030	3.373	890	0.55		0.01%	0.00%	0.01%	0.01%	0.01%	0.00%
Slimes	0.856	7730	0.676	16.325	72.037	0.008	0.108	0.006	0.146	0.051	0.003	0.009	4.061	0.005	0.220	0.040	4.058	1126	0.86		17.20%	9.46%	28.32%	16.77%	16.77%	17.75%

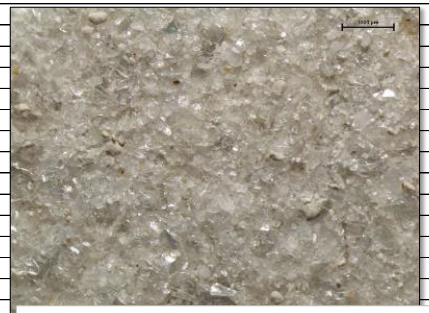
Cut 1

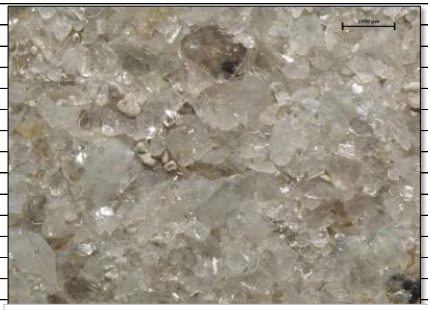

Cut 2


Cut 3


Cut 4


Cut 5


Cut 6


Cut 7 & 8


Slimes

Maroon= combined for analysis purposes

Blue = Calculated

NAGROM
the mineral processors

A.C.N. 008 868 335
A.B.N. 55 008 868 335

T: 08 9399 3934
F: 08 9497 1415

PO Box 66
Kelmscott WA 6991

49 Owen Road,
Kelmscott WA 6111

Nagrom Capabilities

Metallurgical Testing and Mineral Beneficiation
(Laboratory to Pilot scale)

- Crushing and grinding - jaw and rolls crushing, rod and ball milling
- Custom drying
- Size separation
- Gravity separation- Spiral, Tables, Jigs and Hydrosizer
- Dense Media cyclone and Cone
- Full transmission x-ray ore sorting
- Magnetic Separation
- Electrostatic Separation
- Flotation Separation
- Gold Recovery and Leaching Program

Mineral Process Plant -Design, Fabrication and Operation
Nagrom has in-house fabrication ability to assist with:

- Process circuit design, construction, deployment and operation.
- Custom mineral processing to specifications
- Sourcing, supplying and commissioning specified equipment
- Facilitate superintended export of blended final product

Mine site Services - Contract Staffing

- On site processing/consulting
- Short/Long term coverage of contract staff

Equipment Hire

- A range of Pilot scale equipment available for hire

NAGROM
the mineral processors

A.C.N. 008 868 335
A.B.N. 55 008 868 335

T: 08 9399 3934
F: 08 9497 1415

PO Box 66
Kelmscott WA 6991

49 Owen Road,
Kelmscott WA 6111

Nagrom Statement of Certification

The testwork detailed within this report was conducted by experienced personnel at Nagrom's Kelmscott Metallurgical Facility under the supervision of the Senior Metallurgist and Senior Management Team. External Testwork (where applicable) is conducted via qualified and preferred vendors at the vendors choice of facility with appropriate Management Supervision.

The report has been signed on behalf of the General Manager and Executive Director of Nagrom by Senior Metallurgist Dr Slobodanka Vukcevic

Dr Slobodanka Vukcevic

For further information, please contact any of the below:

Slobodanka Vukcevic (Senior Metallurgist)
Rain Jovanovic (Metallurgical Supervisor)
Lisa Allen (Metallurigical Coordinator)

Telephone: +61 8 9399 3934
Slobodanka Vukcevic Mobile: 0408 766 637
Rain Jovanovic Mobile: 0400 205 209
Lisa Allen Molbile: 0419 736 661

Information in the report relating to the metallurgical interpretation, analysis, observations and recommendations have been compiled by the Senior Management Team and checked by the Senior Metallurgist of Nagrom. Dr Slobodanka Vukcevic has sufficient experience and expertise relevant to this type of testwork through her job experiences and education. Dr Slobodanka Vukcevic qualifies as a competent person in the field of Metallurgy.

The Nagrom team, including Dr Slobodanka Vukcevic, Rick Murphy and Tony Wilkinson have a wide range of metallurgical experiences in (but not limited to):

- Comminution
- Gravity Separation
- Magnetic Separation
- Flotation
- Hydrometallurgy
- Chemical Analysis
- Research Programs

From bench scale testing through to pilot plants, Nagrom can assist in the development of flow-sheets and the solving of process problems.

Mineral Processing - Metallurgical Testing - Circuitry Design - Equipment Supply