



3 July 2018

## **AVZ confirms pegmatite continuity west of Roche Dure pit**

### **HIGHLIGHTS**

- **Hole MO18DD014 reported a downhole intercept of 67.15m\* at 1.45% Li<sub>2</sub>O and 1256ppm Sn within unweathered pegmatite**
- **Significant tin concentrations in weathered pegmatite including 30.15m\* @ 1256ppm Sn in MO18DD014**
- **Roche Dure pegmatite hanging-wall and footwall contacts are well-constrained which will assist Mineral Resource estimation**
- **Drilling, sampling and assaying progressing well and maiden Mineral Resource Estimate expected to be completed this month.**

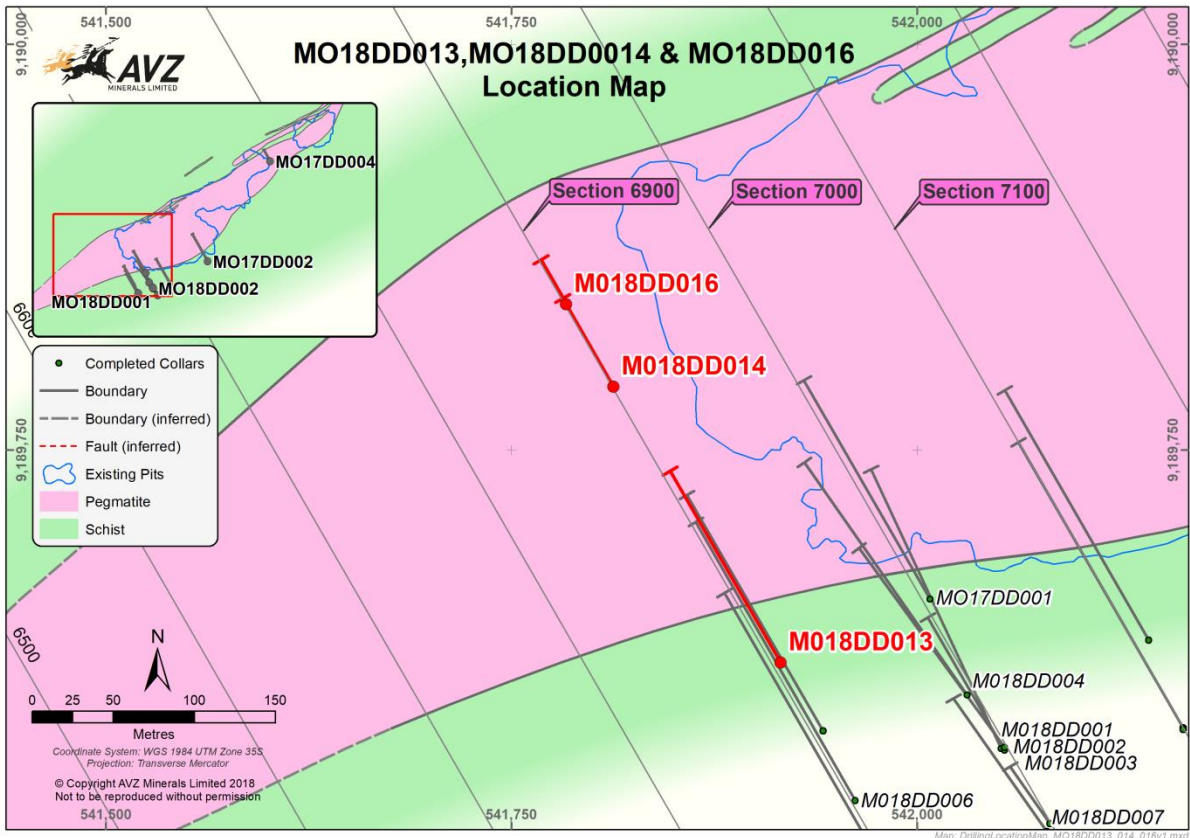
AVZ's Managing Director, Nigel Ferguson, commented: *"Drilling of the Roche Dure pegmatite continues with four drill rigs operating 24/7. The geological information being collected from the drill core continues to confirm the grade and continuity of the pegmatite and the expected leaching of lithium from oxidised zones nearer to surface.*

*"We now have full cross sections intersecting both the hanging and footwall contacts and showing some depletion at surface in "virgin" areas south of the Roche Dure pit. Some additional infill drilling is still required and subject to access will be undertaken soon. MSA consultants in South Africa will commence Mineral Resource calculation soon once all data is available."*

\*Down-hole length. Additional drilling is required to confirm the true thickness of the pegmatites.

**AVZ Minerals Limited** (ASX: AVZ) is pleased to provide an update on its initial 20,000m resource drilling program at the Manono Lithium Project in the Democratic Republic of Congo, where drilling has demonstrated continuity of the weathered pegmatite west of the Roche Dure pit.

AVZ drilled holes MO18DD013, MO18DD014 and MO18DD016 on section line 6900mN, (Figure 1). Details of drill-hole locations are given in Appendix 1.



**Figure 1: Location of drill-holes MO18DD013, MO18DD014 and MO18DD016.**

The intersections achieved by MO18DD013, MO18DD014 and MO18DD016 (Table 1) provide full coverage across the Roche Dure pegmatite because there was no impediment to drilling imposed by the Roche Dure pit, which is east of the section. AVZ determined the full extent of the weathered zone as about 35m - 40m of weathered pegmatite overlying the unweathered ('fresh') pegmatite (Figure 2). However, the depth of weathering is known to vary locally and is influenced by the presence of faults, with zones of highly fractured rock potentially being weathered to greater depths. This appears to be the case with MO18DD014, where mild weathering extends to 68m but is restricted to fracture zones.

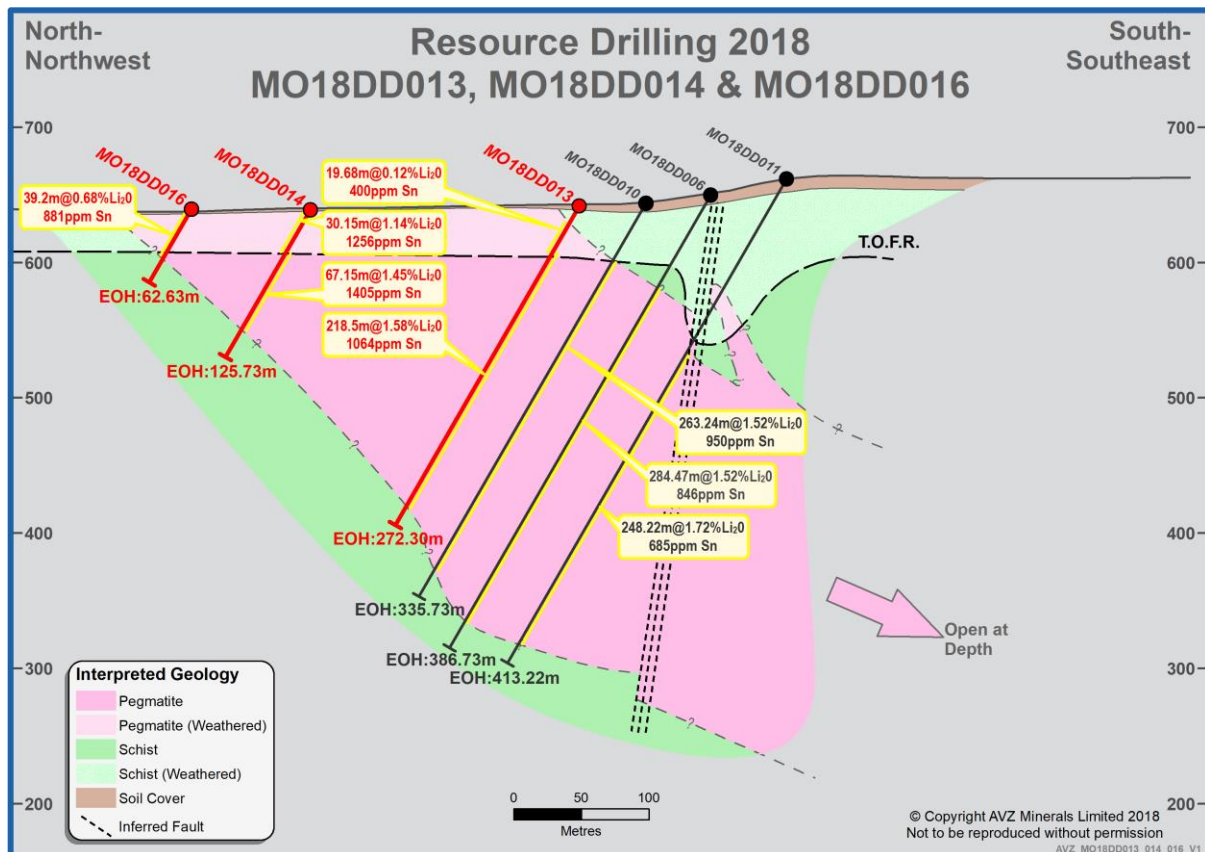
Lithium is leached by chemical weathering so lithium concentrations in weathered pegmatite are less than in the unweathered portion of the pegmatite but comparison of the results from MO18DD013, MO18DD014 and MO18DD016 reveals that the amount of leaching is variable.

Furthermore, significant grades of tin mineralisation are present within the weathered pegmatite (MO18DD014; 30.15m @ 1256ppm Sn, 0.16% cassiterite, SnO<sub>2</sub>) which is likely to be of economic importance.

**Table 1: Intersections achieved on section 6900mN**

Section	Drill-hole	Intersection of the Roche Dure pegmatite
6900mN	MO18DD013	From <b>14.30m to 260.60m (246.30m*)</b> including: 14.30m - 42.00m, 19.68m* @ 0.12% Li <sub>2</sub> O & 400ppm Sn (8.02m core loss) and <b>42m - 260.60m, 218.50m @ 1.58%Li<sub>2</sub>O &amp; 1064 ppm Sn</b> (0.10m not sampled)
6900mN	MO18DD014	From <b>0.55m to 104.15m (103.60m*)</b> including: 0.55m - 37.00m, 30.15m* @ 1.14% Li <sub>2</sub> O & 1256ppm Sn (6.30m core loss) and <b>37.00m - 104.15m, 67.15m @ 1.45%Li<sub>2</sub>O &amp; 1256ppm Sn</b>
6900mN	MO18DD016	From <b>0.00m to 42.50m, 39.20m* &amp; 0.68%Li<sub>2</sub>O &amp; 881ppm Sn</b> (3.20m core-loss, 0.10m not sampled and 0.50m internal dilution [mica schist])
6900mN	MO18DD006	Stated in a previous announcement; <b>284.47m* @ 1.52%Li<sub>2</sub>O &amp; 846 ppm Sn</b>
6900mN	MO18DD010	Stated in a previous announcement; <b>263.49m* @ 1.52%Li<sub>2</sub>O &amp; 950 ppm Sn</b>
6900mN	MO18DD011	Stated in a previous announcement; <b>248.22m* @ 1.72%Li<sub>2</sub>O &amp; 685 ppm Sn</b>

\* Down-hole length. Additional drilling is required to confirm the true-thickness of the pegmatites.



**Figure 2: Cross-section along section 6900mN.**

\* Down-hole length. Additional drilling is required to confirm the true-thickness of the pegmatites.

Note that the displayed orientation of drill-holes in both Figures 1 and 2 is schematic; there was deviation of the drill-holes (Refer Appendix 2).

Drilling continues to progress well and AVZ expects further assay results soon which the Company will announce once they are interpreted and validated.

**Top 20 shareholder and option holder listing as at 30 June 2018**

The Company advises an updated register of the Company’s Largest 20 Shareholders and Largest 20 Option holders (AVZO) as at 30 June 2018 is available on the Company’s website at [www.avzminerals.com.au](http://www.avzminerals.com.au).

For further information, visit [www.avzminerals.com.au](http://www.avzminerals.com.au) or contact:

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### **Competent Persons Statement**

*The information in this report that relates to mineral composition investigations is based on information compiled by Mr Peter Spitalny, a Competent Person whom is a Member of the Australasian Institute of Mining and Metallurgy. Mr Spitalny is a full-time employee of Hanree Holdings Pty Ltd. Mr Spitalny has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Spitalny consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.*

Appendix One – Collar table for Section 6900mN, holes MO18DD013,  
MO18DD014 and MO18DD016

Drill-hole ID	Drilling method	Section Line	Easting (mE)	Northing (mN)	Elevation (m)	Datum	Zone	Dip [degrees]	Azimuth (Magnetic) [degrees]	EOH (m)
MO18DD013	DDH	6900mN	541916	9189619	650	WGS-84	35M	-60	330	272.30
MO18DD014	DDH	6900mN	541813	9189789	647	WGS-84	35M	-60	330	125.73
MO18DD016	DDH	6900mN	541784	9189840	645	WGS-84	35M	-60	330	62.63

**Appendix Two – Down-hole Survey Table for MO18DD013, MO18DD014 and MO18DD016**

<b>Hole_ID</b>	<b>Depth (m)</b>	<b>Inclination (degrees)</b>	<b>Azimuth (degrees)</b>
MO18DD013	0	-60	330
MO18DD013	31	-59	332
MO18DD013	59	-59	332
MO18DD013	89	-59	333
MO18DD013	120	-58	334
MO18DD013	149	-57	335
MO18DD013	179	-56	335
MO18DD013	209	-55	336
MO18DD013	239	-54	337
MO18DD013	270	-53	337
MO18DD014	0	-60	330
MO18DD014	30	-59	331
MO18DD014	62	-60	329
MO18DD014	92	-61	329
MO18DD014	125	-61	329
MO18DD016	0	-60	330
MO18DD016	31	-61	332
MO18DD016	62	-61	331

**Appendix Three – Assay Results MO18DD013, MO18DD014 and MO18DD016, Li<sub>2</sub>O (%) and Sn (ppm)**

Hole ID	From (m)	To (m)	Lithology	SampleID	Li <sub>2</sub> O (%)	Sn (ppm)
MO18DD013	0.00	9.80	soil, laterite, w/thd schist	N/A		
MO18DD013	9.80	10.73	weath'd mica schist	45411	0.1250	30.00
MO18DD013	10.73	11.30	lost core	N/A		
MO18DD013	11.30	12.53	weath'd mica schist	45412	0.1960	94.00
MO18DD013	12.53	12.80	lost core	N/A		
MO18DD013	12.80	12.98	weath'd mica schist	N/A		
MO18DD013	12.98	14.30	lost core	N/A		
MO18DD013	14.30	15.00	weath'd pegmatite	45413	0.0730	302.00
MO18DD013	15.00	15.80	lost core	N/A		
MO18DD013	15.80	16.38	weath'd pegmatite	45414	0.0520	58.00
MO18DD013	17.60	17.95	weath'd pegmatite	45415	0.0430	113.00
MO18DD013	19.10	19.70	weath'd pegmatite	45416	0.0320	144.00
MO18DD013	20.50	21.90	weath'd pegmatite	45417	0.1420	1270.00
MO18DD013	21.90	22.10	lost core	N/A		
MO18DD013	22.10	23.00	weath'd pegmatite	45418	0.1050	1110.00
MO18DD013	23.00	24.30	weath'd pegmatite	45419	0.0930	1130.00
MO18DD013	24.30	25.10	lost core	N/A		
MO18DD013	25.10	26.00	weath'd pegmatite	45421	0.1140	1940.00
MO18DD013	26.00	27.00	weath'd pegmatite	45422	0.0800	645.00
MO18DD013	27.00	28.00	weath'd pegmatite	45423	0.0950	408.00
MO18DD013	28.00	29.30	weath'd pegmatite	45424	0.1330	931.00
MO18DD013	29.30	29.50	lost core	N/A		
MO18DD013	29.50	29.60	not sampled	N/A		
MO18DD013	29.60	31.10	lost core	N/A		
MO18DD013	31.10	31.35	weath'd pegmatite	45426	0.0770	389.00
MO18DD013	31.35	32.60	lost core	N/A		
MO18DD013	32.60	32.90	weath'd pegmatite	45427	0.2390	367.00
MO18DD013	32.90	34.10	lost core	N/A		
MO18DD013	34.10	35.00	weath'd pegmatite	45428	0.1290	168.00
MO18DD013	35.00	36.00	weath'd pegmatite	45429	0.7640	448.00
MO18DD013	36.00	36.60	weath'd pegmatite	45430	1.3500	302.00
MO18DD013	36.60	37.10	lost core	N/A		
MO18DD013	37.10	38.50	weath'd pegmatite	45431	0.2780	305.00
MO18DD013	38.50	38.60	lost core	N/A		
MO18DD013	38.60	40.00	weath'd pegmatite	45432	0.1510	1050.00
MO18DD013	40.00	41.00	weath'd pegmatite	45433	0.0900	254.00
MO18DD013	41.00	42.00	weath'd pegmatite	45434	0.1140	257.00
MO18DD013	42.00	43.00	pegmatite	45436	0.1250	148.00
MO18DD013	43.00	43.10	not sampled	N/A		
MO18DD013	43.10	44.00	pegmatite	45437	0.1380	393.00
MO18DD013	44.00	45.00	pegmatite	45438	0.8240	369.00
MO18DD013	45.00	46.00	pegmatite	45439	0.8160	152.00
MO18DD013	46.00	47.00	pegmatite	45441	2.4800	203.00
MO18DD013	47.00	48.00	pegmatite	45442	0.1870	153.00
MO18DD013	48.00	49.00	pegmatite	45443	1.9200	184.00
MO18DD013	49.00	50.00	pegmatite	45444	1.4550	175.00
MO18DD013	50.00	51.00	pegmatite	45446	2.9900	1920.00
MO18DD013	51.00	52.00	pegmatite	45447	0.1330	352.00
MO18DD013	52.00	53.00	pegmatite	45448	0.5640	886.00
MO18DD013	53.00	54.00	pegmatite	45449	0.7430	3550.00
MO18DD013	54.00	55.00	pegmatite	45450	3.5100	400.00
MO18DD013	55.00	56.00	pegmatite	45451	1.9600	411.00
MO18DD013	56.00	57.00	pegmatite	45452	1.0050	111.00
MO18DD013	57.00	58.00	pegmatite	45453	0.8850	133.00
MO18DD013	58.00	59.00	pegmatite	45454	3.0100	362.00
MO18DD013	59.00	60.00	pegmatite	45455	2.0500	503.00
MO18DD013	60.00	61.00	pegmatite	45456	1.1400	147.00
MO18DD013	61.00	62.00	pegmatite	45457	1.5850	272.00
MO18DD013	62.00	63.00	pegmatite	45458	1.1250	179.00

**Appendix Three – Assay Results MO18DD013, MO18DD014 and MO18DD016, Li<sub>2</sub>O (%) and Sn (ppm)**

Hole ID	From (m)	To (m)	Lithology	SampleID	Li <sub>2</sub> O (%)	Sn (ppm)
MO18DD013	63.00	64.00	pegmatite	45459	0.4840	162.00
MO18DD013	64.00	65.00	pegmatite	45461	1.0800	204.00
MO18DD013	65.00	66.00	pegmatite	45462	1.7050	668.00
MO18DD013	66.00	67.00	pegmatite	45463	1.9800	989.00
MO18DD013	67.00	68.00	pegmatite	45464	1.4550	745.00
MO18DD013	68.00	69.00	pegmatite	45466	0.6110	896.00
MO18DD013	69.00	70.00	pegmatite	45467	1.3150	791.00
MO18DD013	70.00	71.00	pegmatite	45468	1.7050	629.00
MO18DD013	71.00	72.00	pegmatite	45469	2.0900	1450.00
MO18DD013	72.00	73.00	pegmatite	45470	1.0250	950.00
MO18DD013	73.00	74.00	pegmatite	45471	1.0800	680.00
MO18DD013	74.00	75.00	pegmatite	45472	1.3400	897.00
MO18DD013	75.00	76.00	pegmatite	45473	1.0850	1600.00
MO18DD013	76.00	77.00	pegmatite	45474	1.0900	2060.00
MO18DD013	77.00	78.00	pegmatite	45476	0.6460	744.00
MO18DD013	78.00	79.00	pegmatite	45477	0.5400	1630.00
MO18DD013	79.00	80.00	pegmatite	45478	0.5380	1560.00
MO18DD013	80.00	81.00	pegmatite	45479	0.5170	1180.00
MO18DD013	81.00	82.00	pegmatite	45481	1.0100	668.00
MO18DD013	82.00	83.00	pegmatite	45482	2.1700	995.00
MO18DD013	83.00	84.00	pegmatite	45483	1.1900	1170.00
MO18DD013	84.00	85.00	pegmatite	45484	1.6650	1020.00
MO18DD013	85.00	86.00	pegmatite	45486	2.3100	1210.00
MO18DD013	86.00	87.00	pegmatite	45487	1.1800	1120.00
MO18DD013	87.00	88.00	pegmatite	45488	1.6550	1110.00
MO18DD013	88.00	89.00	pegmatite	45489	2.4600	86.00
MO18DD013	89.00	90.00	pegmatite	45490	0.6970	1120.00
MO18DD013	90.00	91.00	pegmatite	45491	0.5340	605.00
MO18DD013	91.00	92.00	pegmatite	45492	2.2100	876.00
MO18DD013	92.00	93.00	pegmatite	45493	1.7850	826.00
MO18DD013	93.00	94.00	pegmatite	45494	1.5750	1460.00
MO18DD013	94.00	95.00	pegmatite	45495	2.2900	1790.00
MO18DD013	95.00	96.00	pegmatite	45496	1.5800	1220.00
MO18DD013	96.00	97.00	pegmatite	45497	1.8800	1140.00
MO18DD013	97.00	98.00	pegmatite	45498	1.4000	1080.00
MO18DD013	98.00	99.00	pegmatite	45499	1.1050	1280.00
MO18DD013	99.00	100.00	pegmatite	45501	0.9580	844.00
MO18DD013	100.00	101.00	pegmatite	45502	2.1700	826.00
MO18DD013	101.00	102.00	pegmatite	45503	1.7050	722.00
MO18DD013	102.00	103.00	pegmatite	45504	2.1000	1340.00
MO18DD013	103.00	104.00	pegmatite	45506	2.0500	1100.00
MO18DD013	104.00	105.00	pegmatite	45507	1.9600	1250.00
MO18DD013	105.00	106.00	pegmatite	45508	0.7080	872.00
MO18DD013	106.00	107.00	pegmatite	45509	2.5400	1450.00
MO18DD013	107.00	108.00	pegmatite	45510	1.8750	786.00
MO18DD013	108.00	109.00	pegmatite	45511	1.7750	2100.00
MO18DD013	109.00	110.00	pegmatite	45512	1.2850	1350.00
MO18DD013	110.00	111.00	pegmatite	45513	2.5800	302.00
MO18DD013	111.00	112.00	pegmatite	45514	1.8300	654.00
MO18DD013	112.00	113.00	pegmatite	45516	1.0700	448.00
MO18DD013	113.00	114.00	pegmatite	45517	2.6700	751.00
MO18DD013	114.00	115.00	pegmatite	45518	1.0900	1570.00
MO18DD013	115.00	116.00	pegmatite	45519	1.4950	874.00
MO18DD013	116.00	117.00	pegmatite	45521	2.4500	461.00
MO18DD013	117.00	118.00	pegmatite	45522	2.1500	743.00
MO18DD013	118.00	119.00	pegmatite	45523	1.6000	1130.00
MO18DD013	119.00	120.00	pegmatite	45524	1.8000	474.00
MO18DD013	120.00	121.00	pegmatite	45526	2.2500	1050.00
MO18DD013	121.00	122.00	pegmatite	45527	2.1100	1230.00



**Appendix Three – Assay Results MO18DD013, MO18DD014 and MO18DD016, Li<sub>2</sub>O (%) and Sn (ppm)**

Hole ID	From (m)	To (m)	Lithology	SampleID	Li <sub>2</sub> O (%)	Sn (ppm)
MO18DD013	122.00	123.00	pegmatite	45528	1.1150	1070.00
MO18DD013	123.00	124.00	pegmatite	45529	1.4150	1090.00
MO18DD013	124.00	125.00	pegmatite	45530	2.0900	2380.00
MO18DD013	125.00	126.00	pegmatite	45531	1.4200	879.00
MO18DD013	126.00	127.00	pegmatite	45532	1.4800	947.00
MO18DD013	127.00	128.00	pegmatite	45533	1.4400	1770.00
MO18DD013	128.00	129.00	pegmatite	45534	0.6930	481.00
MO18DD013	129.00	130.00	pegmatite	45535	2.2000	611.00
MO18DD013	130.00	131.00	pegmatite	45536	1.7750	1900.00
MO18DD013	131.00	132.00	pegmatite	45537	1.5950	1520.00
MO18DD013	132.00	133.00	pegmatite	45538	1.8500	1030.00
MO18DD013	133.00	134.00	pegmatite	45539	1.3100	1170.00
MO18DD013	134.00	135.00	pegmatite	45541	0.9410	1740.00
MO18DD013	135.00	136.00	pegmatite	45542	1.7100	578.00
MO18DD013	136.00	137.00	pegmatite	45543	0.8550	948.00
MO18DD013	137.00	138.00	pegmatite	45544	2.4000	1240.00
MO18DD013	138.00	139.00	pegmatite	45546	2.1200	601.00
MO18DD013	139.00	140.00	pegmatite	45547	0.0770	459.00
MO18DD013	140.00	141.00	pegmatite	45548	1.9150	554.00
MO18DD013	141.00	142.00	pegmatite	45549	0.6570	1880.00
MO18DD013	142.00	143.00	pegmatite	45550	2.0000	1630.00
MO18DD013	143.00	144.00	pegmatite	45551	1.4850	1160.00
MO18DD013	144.00	145.00	pegmatite	45552	0.4410	387.00
MO18DD013	145.00	146.00	pegmatite	45553	2.2000	1460.00
MO18DD013	146.00	147.00	pegmatite	45554	2.1000	1470.00
MO18DD013	147.00	148.00	pegmatite	45556	1.2750	1210.00
MO18DD013	148.00	149.00	pegmatite	45557	0.5550	1460.00
MO18DD013	149.00	150.00	pegmatite	45558	1.0150	1360.00
MO18DD013	150.00	151.00	pegmatite	45559	1.5250	1840.00
MO18DD013	151.00	152.00	pegmatite	45561	1.7950	1370.00
MO18DD013	152.00	153.00	pegmatite	45562	1.7250	580.00
MO18DD013	153.00	154.00	pegmatite	45563	2.5100	816.00
MO18DD013	154.00	155.00	pegmatite	45564	1.8250	2380.00
MO18DD013	155.00	156.00	pegmatite	45566	2.7300	1370.00
MO18DD013	156.00	157.00	pegmatite	45567	1.1800	620.00
MO18DD013	157.00	158.00	pegmatite	45568	0.4890	591.00
MO18DD013	158.00	159.00	pegmatite	45569	1.3050	1410.00
MO18DD013	159.00	160.00	pegmatite	45570	1.2850	651.00
MO18DD013	160.00	161.00	pegmatite	45571	0.3660	2040.00
MO18DD013	161.00	162.00	pegmatite	45572	2.4800	1570.00
MO18DD013	162.00	163.00	pegmatite	45573	2.5400	1790.00
MO18DD013	163.00	164.00	pegmatite	45574	1.6400	549.00
MO18DD013	164.00	165.00	pegmatite	45575	0.8050	2520.00
MO18DD013	165.00	166.00	pegmatite	45576	0.7020	2070.00
MO18DD013	166.00	167.00	pegmatite	45577	0.2710	634.00
MO18DD013	167.00	168.00	pegmatite	45578	1.1450	806.00
MO18DD013	168.00	169.00	pegmatite	45579	0.6930	569.00
MO18DD013	169.00	170.00	pegmatite	45581	0.4970	1740.00
MO18DD013	170.00	171.00	pegmatite	45582	0.4150	1400.00
MO18DD013	171.00	172.00	pegmatite	45583	2.4300	403.00
MO18DD013	172.00	173.00	pegmatite	45584	1.8300	2100.00
MO18DD013	173.00	174.00	pegmatite	45586	1.4400	2470.00
MO18DD013	174.00	175.00	pegmatite	45587	0.3920	207.00
MO18DD013	175.00	176.00	pegmatite	45588	2.1200	208.00
MO18DD013	176.00	177.00	pegmatite	45589	2.3400	655.00
MO18DD013	177.00	178.00	pegmatite	45590	1.1400	1610.00
MO18DD013	178.00	179.00	pegmatite	45591	0.2580	460.00
MO18DD013	179.00	180.00	pegmatite	45592	1.6700	370.00
MO18DD013	180.00	181.00	pegmatite	45593	0.3720	1510.00

**Appendix Three – Assay Results MO18DD013, MO18DD014 and MO18DD016, Li<sub>2</sub>O (%) and Sn (ppm)**

Hole ID	From (m)	To (m)	Lithology	SampleID	Li <sub>2</sub> O (%)	Sn (ppm)
MO18DD013	181.00	182.00	pegmatite	45594	1.3650	3020.00
MO18DD013	182.00	183.00	pegmatite	45596	3.0000	1130.00
MO18DD013	183.00	184.00	pegmatite	45597	1.8100	1250.00
MO18DD013	184.00	185.00	pegmatite	45598	1.8750	1180.00
MO18DD013	185.00	186.00	pegmatite	45599	1.8850	8760.00
MO18DD013	186.00	187.00	pegmatite	45601	2.6000	1050.00
MO18DD013	187.00	188.00	pegmatite	45602	1.9200	1500.00
MO18DD013	188.00	189.00	pegmatite	45603	2.2800	761.00
MO18DD013	189.00	190.00	pegmatite	45604	2.6600	1280.00
MO18DD013	190.00	191.00	pegmatite	45606	2.0800	992.00
MO18DD013	191.00	192.00	pegmatite	45607	2.0200	1060.00
MO18DD013	192.00	193.00	pegmatite	45608	1.2250	2030.00
MO18DD013	193.00	194.00	pegmatite	45609	0.7190	339.00
MO18DD013	194.00	195.00	pegmatite	45610	3.6300	232.00
MO18DD013	195.00	196.00	pegmatite	45611	1.8750	1200.00
MO18DD013	196.00	197.00	pegmatite	45612	1.9350	848.00
MO18DD013	197.00	198.00	pegmatite	45613	0.7560	1680.00
MO18DD013	198.00	199.00	pegmatite	45614	1.7350	2750.00
MO18DD013	199.00	200.00	pegmatite	45615	1.3800	1820.00
MO18DD013	200.00	201.00	pegmatite	45616	1.4650	1230.00
MO18DD013	201.00	202.00	pegmatite	45617	1.6550	948.00
MO18DD013	202.00	203.00	pegmatite	45618	1.6600	1410.00
MO18DD013	203.00	204.00	pegmatite	45619	2.3600	860.00
MO18DD013	204.00	205.00	pegmatite	45621	1.3000	1330.00
MO18DD013	205.00	206.00	pegmatite	45622	2.0600	1470.00
MO18DD013	206.00	207.00	pegmatite	45623	2.5500	279.00
MO18DD013	207.00	208.00	pegmatite	45624	2.5900	908.00
MO18DD013	208.00	209.00	pegmatite	45626	1.3850	1350.00
MO18DD013	209.00	210.00	pegmatite	45627	2.4100	215.00
MO18DD013	210.00	211.00	pegmatite	45628	4.2800	374.00
MO18DD013	211.00	212.00	pegmatite	45629	3.1500	323.00
MO18DD013	212.00	213.00	pegmatite	45630	3.1400	231.00
MO18DD013	213.00	214.00	pegmatite	45631	2.0700	190.00
MO18DD013	214.00	215.00	pegmatite	45632	1.3700	205.00
MO18DD013	215.00	216.00	pegmatite	45633	1.7200	302.00
MO18DD013	216.00	217.00	pegmatite	45634	3.6100	368.00
MO18DD013	217.00	218.00	pegmatite	45636	0.9580	409.00
MO18DD013	218.00	219.00	pegmatite	45637	0.9260	460.00
MO18DD013	219.00	220.00	pegmatite	45638	2.5300	259.00
MO18DD013	220.00	221.00	pegmatite	45639	1.6500	318.00
MO18DD013	221.00	222.00	pegmatite	45641	1.2300	493.00
MO18DD013	222.00	223.00	pegmatite	45642	1.9100	706.00
MO18DD013	223.00	224.00	pegmatite	45643	1.1050	1600.00
MO18DD013	224.00	225.00	pegmatite	45644	2.0400	472.00
MO18DD013	225.00	226.00	pegmatite	45646	1.4700	833.00
MO18DD013	226.00	227.00	pegmatite	45647	1.7050	1300.00
MO18DD013	227.00	228.00	pegmatite	45648	0.6720	1080.00
MO18DD013	228.00	229.00	pegmatite	45649	1.0500	1680.00
MO18DD013	229.00	230.00	pegmatite	45650	1.5800	507.00
MO18DD013	230.00	231.00	pegmatite	45651	2.8600	910.00
MO18DD013	231.00	232.00	pegmatite	45652	1.3200	2610.00
MO18DD013	232.00	233.00	pegmatite	45653	1.9700	1130.00
MO18DD013	233.00	234.00	pegmatite	45654	0.6330	3810.00
MO18DD013	234.00	235.00	pegmatite	45655	1.8950	1280.00
MO18DD013	235.00	236.00	pegmatite	45656	0.9550	963.00
MO18DD013	236.00	237.00	pegmatite	45657	1.6850	749.00
MO18DD013	237.00	238.00	pegmatite	45658	2.0100	777.00
MO18DD013	238.00	239.00	pegmatite	45659	2.1200	820.00
MO18DD013	239.00	240.00	pegmatite	45661	2.3100	621.00

**Appendix Three – Assay Results MO18DD013, MO18DD014 and MO18DD016, Li<sub>2</sub>O (%) and Sn (ppm)**

Hole ID	From (m)	To (m)	Lithology	SampleID	Li <sub>2</sub> O (%)	Sn (ppm)
MO18DD013	240.00	241.00	pegmatite	45662	1.3250	1260.00
MO18DD013	241.00	242.00	pegmatite	45663	1.1000	1580.00
MO18DD013	242.00	243.00	pegmatite	45664	0.9080	1190.00
MO18DD013	243.00	244.00	pegmatite	45666	1.5500	1110.00
MO18DD013	244.00	245.00	pegmatite	45667	0.9000	627.00
MO18DD013	245.00	246.00	pegmatite	45668	1.5700	1100.00
MO18DD013	246.00	247.00	pegmatite	45669	1.6500	1260.00
MO18DD013	247.00	248.00	pegmatite	45670	3.2800	1080.00
MO18DD013	248.00	249.00	pegmatite	45671	2.7900	1150.00
MO18DD013	249.00	250.00	pegmatite	45672	1.2550	1930.00
MO18DD013	250.00	251.00	pegmatite	45673	2.5700	1670.00
MO18DD013	251.00	252.00	pegmatite	45674	1.9750	1230.00
MO18DD013	252.00	253.00	pegmatite	45676	2.0100	1690.00
MO18DD013	253.00	254.00	pegmatite	45677	2.1300	614.00
MO18DD013	254.00	255.00	pegmatite	45678	1.9950	1690.00
MO18DD013	255.00	256.00	pegmatite	45679	1.7800	1570.00
MO18DD013	256.00	257.00	pegmatite	45681	1.7750	592.00
MO18DD013	257.00	258.00	pegmatite	45682	0.6200	1380.00
MO18DD013	258.00	259.00	pegmatite	45683	1.6300	1850.00
MO18DD013	259.00	260.00	pegmatite	45684	0.2650	416.00
MO18DD013	260.00	260.60	pegmatite	45685	0.0620	470.00
MO18DD013	260.60	261.60	mica schist	45686	0.3340	122.00
MO18DD013	261.60	262.60	mica schist	45687	0.2760	58.00
MO18DD014	0.00	0.55	soil	40311	0.1740	1460.00
MO18DD014	0.55	4.50	lost core	N/A		
MO18DD014	4.50	5.80	weath'd pegmatite	40312	0.5340	1020.00
MO18DD014	5.80	6.00	lost core	N/A		
MO18DD014	6.00	6.85	weath'd pegmatite	40313	0.6720	1250.00
MO18DD014	6.85	7.50	lost core	N/A		
MO18DD014	7.50	8.10	weath'd pegmatite	40314	1.7200	1390.00
MO18DD014	8.10	9.00	lost core	N/A		
MO18DD014	9.00	9.50	weath'd pegmatite	40315	0.2240	2380.00
MO18DD014	9.50	10.10	lost core	N/A		
MO18DD014	10.10	11.00	weath'd pegmatite	40316	0.8890	2130.00
MO18DD014	11.00	12.00	weath'd pegmatite	40317	1.7750	1420.00
MO18DD014	12.00	13.00	weath'd pegmatite	40318	1.0850	1210.00
MO18DD014	13.00	14.00	weath'd pegmatite	40319	0.7900	1250.00
MO18DD014	14.00	15.00	weath'd pegmatite	40321	1.6850	1410.00
MO18DD014	15.00	16.00	weath'd pegmatite	40322	2.8100	1220.00
MO18DD014	16.00	17.00	weath'd pegmatite	40323	1.3200	3400.00
MO18DD014	17.00	18.00	weath'd pegmatite	40324	1.2750	2070.00
MO18DD014	18.00	19.00	weath'd pegmatite	40326	0.7560	3420.00
MO18DD014	19.00	20.00	weath'd pegmatite	40327	2.4200	1750.00
MO18DD014	20.00	21.00	weath'd pegmatite	40328	2.3100	1020.00
MO18DD014	21.00	22.00	weath'd pegmatite	40329	0.8910	1460.00
MO18DD014	22.00	23.00	weath'd pegmatite	40330	2.6900	692.00
MO18DD014	23.00	24.00	weath'd pegmatite	40331	1.8300	2310.00
MO18DD014	24.00	25.00	weath'd pegmatite	40332	2.1800	2740.00
MO18DD014	25.00	26.00	weath'd pegmatite	40333	1.9300	1440.00
MO18DD014	26.00	27.00	weath'd pegmatite	40334	2.3000	420.00
MO18DD014	27.00	28.00	weath'd pegmatite	40336	1.4400	1110.00
MO18DD014	28.00	29.00	weath'd pegmatite	40337	2.0700	848.00
MO18DD014	29.00	30.00	weath'd pegmatite	40338	2.3900	616.00
MO18DD014	30.00	31.00	weath'd pegmatite	40339	0.9970	2120.00
MO18DD014	31.00	32.00	weath'd pegmatite	40341	0.8910	1000.00
MO18DD014	32.00	33.00	weath'd pegmatite	40342	0.7170	481.00
MO18DD014	33.00	34.00	weath'd pegmatite	40343	0.0670	722.00
MO18DD014	34.00	35.00	weath'd pegmatite	40344	0.0710	587.00
MO18DD014	35.00	36.00	weath'd pegmatite	40346	0.0220	1750.00

**Appendix Three – Assay Results MO18DD013, MO18DD014 and MO18DD016, Li<sub>2</sub>O (%) and Sn (ppm)**

Hole ID	From (m)	To (m)	Lithology	SampleID	Li <sub>2</sub> O (%)	Sn (ppm)
MO18DD014	36.00	37.00	weath'd pegmatite	40347	0.0470	1170.00
MO18DD014	37.00	38.00	pegmatite	40348	0.6070	1080.00
MO18DD014	38.00	39.00	pegmatite	40349	2.3000	1200.00
MO18DD014	39.00	40.00	pegmatite	40350	1.8000	2120.00
MO18DD014	40.00	41.00	pegmatite	40351	1.5000	1690.00
MO18DD014	41.00	42.00	pegmatite	40352	1.2750	1640.00
MO18DD014	42.00	43.00	pegmatite	40353	1.4400	1920.00
MO18DD014	43.00	44.00	pegmatite	40354	1.5600	1600.00
MO18DD014	44.00	45.00	pegmatite	40355	1.7350	1120.00
MO18DD014	45.00	46.00	pegmatite	40356	1.7450	916.00
MO18DD014	46.00	47.00	pegmatite	40357	2.2400	823.00
MO18DD014	47.00	48.00	pegmatite	40358	1.2700	940.00
MO18DD014	48.00	49.00	pegmatite	40359	1.6200	1100.00
MO18DD014	49.00	50.00	pegmatite	40361	2.5500	430.00
MO18DD014	50.00	51.00	pegmatite	40362	1.3550	1460.00
MO18DD014	51.00	52.00	pegmatite	40363	0.8630	1210.00
MO18DD014	52.00	53.00	pegmatite	40364	0.8160	1770.00
MO18DD014	53.00	54.00	pegmatite	40366	2.5500	954.00
MO18DD014	54.00	55.00	pegmatite	40367	1.2250	1710.00
MO18DD014	55.00	56.00	pegmatite	40368	0.9170	1480.00
MO18DD014	56.00	57.00	pegmatite	40369	1.0950	2050.00
MO18DD014	57.00	58.00	pegmatite	40370	3.0000	972.00
MO18DD014	58.00	59.00	pegmatite	40371	2.2800	519.00
MO18DD014	59.00	60.00	pegmatite	40372	1.8700	542.00
MO18DD014	60.00	61.00	pegmatite	40373	1.5200	334.00
MO18DD014	61.00	62.00	pegmatite	40374	1.7050	336.00
MO18DD014	62.00	63.00	pegmatite	40376	0.1530	17250.00
MO18DD014	63.00	64.00	pegmatite	40377	0.4330	2110.00
MO18DD014	64.00	65.00	pegmatite	40378	1.1450	763.00
MO18DD014	65.00	66.00	pegmatite	40379	0.5730	1130.00
MO18DD014	66.00	67.00	pegmatite	40381	0.2710	1680.00
MO18DD014	67.00	68.00	pegmatite	40382	0.5580	348.00
MO18DD014	68.00	69.00	pegmatite	40383	1.7250	3670.00
MO18DD014	69.00	70.00	pegmatite	40384	1.9050	648.00
MO18DD014	70.00	71.00	pegmatite	40386	2.0200	1960.00
MO18DD014	71.00	72.00	pegmatite	40387	2.3800	840.00
MO18DD014	72.00	73.00	pegmatite	40388	1.2100	1310.00
MO18DD014	73.00	74.00	pegmatite	40389	1.4500	805.00
MO18DD014	74.00	75.00	pegmatite	40390	1.8600	578.00
MO18DD014	75.00	76.00	pegmatite	40391	1.9350	832.00
MO18DD014	76.00	77.00	pegmatite	40392	0.8550	2530.00
MO18DD014	77.00	78.00	pegmatite	40393	1.2400	1650.00
MO18DD014	78.00	79.00	pegmatite	40394	2.8000	898.00
MO18DD014	79.00	80.00	pegmatite	40395	1.0750	1830.00
MO18DD014	80.00	81.00	pegmatite	40396	1.5500	914.00
MO18DD014	81.00	82.00	pegmatite	40397	1.5200	414.00
MO18DD014	82.00	83.00	pegmatite	40398	1.1400	1070.00
MO18DD014	83.00	84.00	pegmatite	40399	2.4300	1240.00
MO18DD014	84.00	85.00	pegmatite	40401	1.5800	1210.00
MO18DD014	85.00	86.00	pegmatite	40402	0.7640	1150.00
MO18DD014	86.00	87.00	pegmatite	40403	0.6590	696.00
MO18DD014	87.00	88.00	pegmatite	40404	1.4250	1340.00
MO18DD014	88.00	89.00	pegmatite	40406	1.1400	823.00
MO18DD014	89.00	90.00	pegmatite	40407	0.9820	1940.00
MO18DD014	90.00	91.00	pegmatite	40408	1.3300	1100.00
MO18DD014	91.00	92.00	pegmatite	40409	1.1750	1230.00
MO18DD014	92.00	93.00	pegmatite	40410	0.7660	613.00
MO18DD014	93.00	94.00	pegmatite	40411	2.0300	717.00
MO18DD014	94.00	95.00	pegmatite	40412	1.1300	1380.00

**Appendix Three – Assay Results MO18DD013, MO18DD014 and MO18DD016, Li<sub>2</sub>O (%) and Sn (ppm)**

Hole ID	From (m)	To (m)	Lithology	SampleID	Li <sub>2</sub> O (%)	Sn (ppm)
MO18DD014	95.00	96.00	pegmatite	40413	1.9600	597.00
MO18DD014	96.00	97.00	pegmatite	40414	0.8590	1060.00
MO18DD014	97.00	98.00	pegmatite	40416	1.6900	879.00
MO18DD014	98.00	99.00	pegmatite	40417	2.0000	600.00
MO18DD014	99.00	100.00	pegmatite	40418	1.5300	940.00
MO18DD014	100.00	101.00	pegmatite	40419	1.1000	1200.00
MO18DD014	101.00	102.00	pegmatite	40421	2.1700	1680.00
MO18DD014	102.00	103.04	pegmatite	40422	1.6200	341.00
MO18DD014	103.04	104.15	pegmatite	40423	0.0620	255.00
MO18DD014	104.15	105.15	mica schist	40424	0.1120	132.00
MO18DD014	105.15	106.15	mica schist	40425	0.1050	106.00
MO18DD016	0.00	0.10	Weath'd pegmatite	N/A		
MO18DD016	0.10	1.80	lost core			
MO18DD016	1.80	2.20	Weath'd pegmatite	35301	0.0840	1370.00
MO18DD016	2.20	3.70	lost core			
MO18DD016	3.70	4.65	Weath'd pegmatite	35302	0.2410	800.00
MO18DD016	4.80	6.00	Weath'd pegmatite	35303	0.0520	553.00
MO18DD016	6.00	7.00	Weath'd pegmatite	35304	0.0820	371.00
MO18DD016	7.00	8.00	Weath'd pegmatite	35305	0.0900	640.00
MO18DD016	8.00	9.00	Weath'd pegmatite	35306	0.0500	780.00
MO18DD016	9.00	10.00	Weath'd pegmatite	35307	0.0670	1020.00
MO18DD016	10.00	11.00	Weath'd pegmatite	35308	0.0990	844.00
MO18DD016	11.00	12.00	Weath'd pegmatite	35309	0.2560	757.00
MO18DD016	12.00	13.00	Weath'd pegmatite	35311	0.4740	1030.00
MO18DD016	13.00	14.00	Weath'd pegmatite	35312	0.6540	1330.00
MO18DD016	14.00	15.35	Weath'd pegmatite	35313	0.3960	749.00
MO18DD016	15.58	16.00	Weath'd pegmatite	35314	0.1530	1270.00
MO18DD016	16.00	17.00	Weath'd pegmatite	35316	0.5790	937.00
MO18DD016	17.00	18.00	Weath'd pegmatite	35317	0.1270	1810.00
MO18DD016	18.00	19.00	Weath'd pegmatite	35318	0.2840	329.00
MO18DD016	19.00	20.00	Weath'd pegmatite	35319	0.8180	460.00
MO18DD016	20.00	21.00	Weath'd pegmatite	35320	0.5660	597.00
MO18DD016	21.00	22.00	Weath'd pegmatite	35321	1.1400	821.00
MO18DD016	22.00	23.00	Weath'd pegmatite	35322	2.0200	634.00
MO18DD016	23.00	24.00	Weath'd pegmatite	35323	1.3400	780.00
MO18DD016	24.00	25.00	Weath'd pegmatite	35324	1.4650	491.00
MO18DD016	25.00	26.00	Weath'd pegmatite	35326	1.3200	1110.00
MO18DD016	26.00	27.00	Weath'd pegmatite	35327	1.5000	633.00
MO18DD016	27.00	28.00	Weath'd pegmatite	35328	0.6440	2720.00
MO18DD016	28.00	29.00	Weath'd pegmatite	35329	1.3100	736.00
MO18DD016	29.00	30.00	Weath'd pegmatite	35331	1.8950	2020.00
MO18DD016	30.00	31.00	Weath'd pegmatite	35332	1.6900	1160.00
MO18DD016	31.00	32.00	Weath'd pegmatite	35333	0.5980	414.00
MO18DD016	32.00	33.00	Weath'd pegmatite	35334	0.8680	1520.00
MO18DD016	33.00	34.00	Weath'd pegmatite	35336	1.5550	924.00
MO18DD016	34.00	35.00	Weath'd pegmatite	35337	1.0650	1770.00
MO18DD016	35.00	36.00	Weath'd pegmatite	35338	1.4500	940.00
MO18DD016	36.00	37.00	Weath'd pegmatite	35339	0.7990	1470.00
MO18DD016	37.00	38.00	Weath'd pegmatite	35340	1.9450	786.00
MO18DD016	38.00	39.00	Weath'd pegmatite	35341	0.9410	1370.00
MO18DD016	39.00	40.00	Weath'd pegmatite	35342	0.1210	1375.00
MO18DD016	40.00	41.00	Weath'd pegmatite	35343	0.0560	187.00
MO18DD016	41.00	41.60	Weath'd pegmatite	35344	0.0450	189.00
MO18DD016	41.60	42.10	Weath'd mica schist	35345	0.1250	198.00
MO18DD016	42.10	42.50	Weath'd pegmatite	35346	0.0410	87.00
MO18DD016	42.50	43.50	Weath'd mica schist	35347	0.1680	123.00
MO18DD016	43.50	44.50	Weath'd mica schist	35348	0.1120	95.00

**JORC Code, 2012 Edition – Table 1**

**Section 1: Sampling Techniques and Data (Criteria in this section apply to all succeeding sections)**

<b>Criteria</b>	<b>JORC Code Explanation</b>	<b>Commentary</b>
Sampling techniques	Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling.	Diamond drilling, producing drill-core has been utilised to sample the pegmatite below ground surface. This method is recognised as providing the highest quality information and samples of the unexposed geology.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	Based on available data, there is nothing to indicate that drilling and sampling practices were not to normal industry standards at the time within the Manono licence PR13359.
	Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases, more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.	Diamond drilling has been used to obtain core samples which have then been cut longitudinally. Sections to be submitted for assay have been determined according to geological boundaries and, away from the contact zones, samples have been taken at 1-m intervals.  The submitted half-core samples typically have a mass of 3kg – 4kg.
Drilling techniques	Drill type (e.g. core, reverse circulation, open hole hammer, rotary air blast, auger, Bangka, sonic, etc.) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face sampling bit or other type, whether core is oriented and if so, by what method, etc.).	The drilling discussed in the report preceding this table was completed using diamond core rigs with PQ and HQ sized drill rods. Most holes, apart from a vertical hole discussed in the attached announcement, are angled between -50 <sup>o</sup> and -75 <sup>o</sup> and collared from surface into weathered bedrock. All hole collars will be surveyed after completion. All holes (apart from the vertical hole) are down-hole surveyed using a digital multi-shot camera at about 30m intervals. The core obtained to-date by drilling has been oriented.
Drill sample recovery	Method of recording and assessing core and chip sample recoveries and results assessed.	Current diamond core drilling is averaging greater than 90% recovery as calculated from RQD logs.
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	AVZ has ensured minimum adequate supervision of drilling has been completed by an experienced geologist to correct drilling protocols are followed and sample recovery is maximized.
	Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	For the vast majority of the drilling completed, recovery was near 100% and there is no sample bias due to preferential loss or gain of fine or coarse material.

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Logging	Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.	Drill-core is logged by qualified geologists using a data-logger which is then uploading into the micromine software system. A complete copy of the data is held by an independent consultant. The parameters recorded in the logging are adequate to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.	All core is logged, and logging is by qualitative (Lithology) and quantitative (RQD) methods. All core is also photographed.
	The total length and percentage of the relevant intersections logged.	The entirety of all drill-holes are logged for geological, mineralogical and geotechnical data.
Sub-sampling techniques and sample preparation	If core, whether cut or sawn and whether quarter, half or all core taken.	Core is cut longitudinally and half-core is submitted for assay.
	If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.	The current program is diamond core drilling
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	The sample preparation for drill-core samples incorporates standard industry best-practice and is appropriate. The half-core samples are sent to ALS Lubumbashi where they are crushed and then pulverized to produce a pulp. A 120gm subsample is split and then exported to Australia for analytical determination.
	Quality control procedures adopted for all subsampling stages to maximise representivity of samples.	Standard sub-sampling procedures are utilized by ALS Lubumbashi at all stages of sample preparation such that each sub-sample split is representative of the whole it was derived from.
	Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling	Duplicate sampling has been undertaken for the current drilling program. After half-core samples have been crushed, a split is taken as a field duplicate and then placed into a pre-numbered bag. The Duplicate is then pulverized and a pulp split from the pulverized mass. An AVZ geologist supervises the preparation and bagging of the duplicate.
	Whether sample sizes are appropriate to the grain size of the material being sampled.	Samples from drilling are sampled by methods that are appropriate for the material being sampled for the purposes of the sampling and in-accord with standard industry best-practice.
Quality of assay data and laboratory tests	The nature, quality and appropriateness of the Assaying and laboratory procedures used and whether the technique is considered partial or total.	<p>Diamond drill-hole (core) samples are to be submitted to ALS Lubumbashi (DRC) where they will be crushed and pulverized to produce pulps. These pulps will be exported to Australia and analyzed by ALS Laboratories in Perth, Western Australia using a Sodium Peroxide Fusion followed by digestion using a dilute acid thence determination by AES or MS, i.e. methods ME-ICP89 and ME-MS91), with determination of a suite of elements that includes Li, Sn, Ta &amp; Nb. Peroxide fusion results in the complete digestion of the sample into a molten flux. As fusion digestions are more aggressive than acid digestion methods, they are suitable for many refractory, difficult-to-dissolve minerals such as chromite, ilmenite, spinel, cassiterite and minerals of the tantalum-tungsten solid solution series. They also provide a more-complete digestion of some silicate mineral species and are considered to provide the most reliable determinations of lithium mineralization.</p> <p>Sodium Peroxide Fusion is a total digest and considered the preferred method of assaying pegmatite samples.</p>

	<p>For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</p> <p>Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.</p>	<p>These geophysical instruments are not used in assessing the mineralization within AVZ's Manono Lithium Project.</p> <p>For the drilling, AVZ has incorporated standard QA/QC procedures to monitor the precision, accuracy and general reliability of all assay results from assays of drilling samples. As part of AVZ's sampling protocol, CRM's (standards), blank and duplicates are inserted into the sampling stream. In addition, the laboratory (ALS Perth) incorporates its own internal QA/QC procedures to monitor its assay results prior to release of results to AVZ. AVZ will also utilize an "umpire" laboratory" (external laboratory check) to complete checks upon assay results received from ALS Perth.</p> <p>At the time of issue of the attached announcement, assay results had not been received.</p>
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Verification of sampling and assaying	The verification of significant intersections by either independent or alternative company personnel.	No verification exploration work has so far been undertaken.
	The use of twinned holes.	Twinned holes have not been drilled.
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	The data from previous exploration are currently stored in hardcopy and digital format on site. A hard drive copy of this is located at the administration office in country and all data is uploaded to the GIS consultants' database in Perth, WA.
	Discuss any adjustment to assay data.	Assay results have not been adjusted.
Location of data points	Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.	The drill-hole collars have been surveyed using handheld GPS devices, giving an accuracy of +/- 3m in open-ground. The locations will be verified at a later date using an RTK differential GPS giving an accuracy of +/- 0.005m.  Down-hole surveys are completed at 30m intervals with both azimuth and inclination determined with an accuracy of 1 decimal place.
	Specification of the grid system used.	WGS_84 UTM Zone 35M.
	Quality and adequacy of topographic control.	No survey has been undertaken. Hand held GPS coordinates have been utilized to locate drill-holes to-date but a high-accuracy survey using an RTK differential GPS giving an accuracy of +/- 0.005m will be completed after the drilling program is completed.
Data spacing and distribution	Data spacing for reporting of Exploration Results.	Drill-hole spacing is planned for completion of drill-holes on sections 100m apart, with drill collars 50m to 100m apart where possible. In situations of difficult terrain, it is planned to drill multiple holes from a single drill-pad but using differing angles for each drill-hole.  Sample spacing is sufficiently dense to give a reasonable indication of the tenor of mineralisation.
	Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.	The spacing of drill-holes in the drilling program currently in-progress is considered sufficient to establish the degree of geological and grade continuity such that a Mineral Resource can be defined.
	Whether sample compositing has been applied.	No compositing was applied.
Orientation of data in relation to geological structure	Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.	The drill-hole orientation is designed to intersect the pegmatites such that drilling-intersections are at, or nearly at, 90 <sup>0</sup> to the strike of the pegmatite. Most holes are also intended to intersect the pegmatite at, or close to, 90 <sup>0</sup> to the dip of the pegmatite however, some drill-holes have had to be oriented such that the ideal intersection is not achieved. Where this is the case, it is stated.

	If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	There is no apparent bias in any sampling to date.
Sample security	The measures taken to ensure sample security.	Chain of custody is maintained by AVZ personnel on-site to Lubumbashi. At Lubumbashi, the prepped samples (pulp) are sealed into a box and delivered by DHL to ALS Perth.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	The sampling techniques and data have been reviewed and the assay results are believed to give a reliable indication of the lithium mineralisation within the samples.

**Section 2: Reporting of Exploration Results (Criteria listed in the preceding section also apply to this section)**

Criteria	JORC Code Explanation	Commentary
Mineral tenement and land tenure status	Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.	<p>The Manono licence was awarded as a Research Permit PR 13359 issued on the 28th December 2016 and is valid for 5 years, expiring on 28/12/2021. On 2/02/2017, AVZ Minerals Ltd (“AVZ”) formed a joint-venture (JV) with La Congolaise d’Exploitation Miniere SA (“Cominiere”) and Dathomir Mining Resources SARL (“Dathomir”) to explore and develop the pegmatites contained within PR 13359. Ownership of the Manono Lithium Project stands at AVZ 60%, Cominiere 30% and Dathomir 10%. AVZ manages the project and meets all funding requirements.</p> <p>All indigenous title is cleared and there are no other known historical or environmentally sensitive areas.</p>
	The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	<p>Both the previous (2002) and current (2018) DRC Mining Code specifically confer the exclusive right to the JV partners to either extend the life of Research Permit PR 13359 to 28/12/2025 or to apply for an Exploitation Permit in order to commence mining activities. There are no known impediments to maintaining exploration or progressing to mining.</p>
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	<p>Within PR13359 exploration of relevance was undertaken by Geomines whom completed a program of drilling between 1949 and 1951. The drilling consisted of 42 vertical holes drilled to a general depth of around 50 to 60m and reaching the -80m level. Drilling was carried out on 12 sections at irregular intervals ranging from 50m to 300m, and over a strike length of some 1,100m. Drill spacing on the sections varied from 50 to 100m. The drilling occurred in the RD Pit only, targeting the fresh pegmatite in the Kitotolo sector of the project area.</p> <p>The licence area has been previously mined for tin and tantalum including “coltan” through a series of open pits over a total length of approximately 10km excavated by Zairetain sprl. More than 60Mt of material was mined from three major pits and several subsidiary pits. Ore was crushed and then upgraded through gravity separation to produce a concentrate of a reported 72%Sn. There are no reliable records available of tantalum or lithium recovery as tin was the primary mineral being recovered.</p> <p>Apart from the mining excavations and the drilling program, there has been very limited exploration work within the Manono extension licences.</p>

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<p>Geology</p>	<p>Deposit type, geological setting and style of mineralisation.</p>	<p>The Project lies within the mid-Proterozoic Kibaran Belt - an intracratonic domain, stretching for over 1,000 km through Katanga and into southwest Uganda. The belt strikes predominantly SW-NE and is truncated by the N-S to NNW-SSE trending Western Rift system.</p> <p>The Kibaran comprises a sedimentary and volcanic sequence that has been folded, metamorphosed and intruded by at least three separate phases of granite. The latest granite phase (900 to 950 My ago) is assigned to the Katangan cycle and is associated with widespread vein and pegmatite mineralization containing tin, tungsten, tantalum, niobium, lithium and beryllium. Deposits of this type occur as clusters and are widespread throughout the Kibaran terrain. In the DRC, the Katanga Tin Belt stretches over 500 km from near Kolwezi in the southwest to Kalemie in the northeast comprising numerous occurrences and deposits of which the Manono deposit is the largest.</p> <p>The geology of the Manono area is poorly documented and no reliable maps of local geology were observed. Recent mapping by AVZ has augmented the overview provided by Bassot and Morio (1989) and has led to the following description.</p> <p>The Manono Project pegmatites are hosted by a series of mica schists and by amphibolite in some locations. These host rocks have a steeply dipping penetrative foliation that appears to be parallel to bedding. There are numerous bodies of pegmatite, the largest of which have sub-horizontal to moderate dips, with dip direction being towards the southeast. The pegmatites post-date metamorphism, with all primary igneous textures intact. They cross-cut the host-rocks but despite their large size, the contact deformation and metasomatism of the host rocks by the intrusion of the pegmatites seems minor. The absence of significant deformation of the schistosity of the host rocks implies that the pegmatites intruded brittle rocks.</p> <p>The pegmatites constitute a pegmatite swarm in which the largest pegmatites have an apparent en-echelon arrangement in a linear zone more than 12km long. The pegmatites are exposed in two areas; Manono in the northeast, and Kitotolo in the southwest. These areas are separated by a 2.5 km section of alluvium-filled floodplain which contains Lake Lukushi. At least one large pegmatite extends beneath the floodplain.</p> <p>The pegmatites are members of the LCT-Rare Element group of pegmatites and within the pegmatite swarm there are LCT Albite-spodumene pegmatites and LCT Complex (spodumene sub-type) pegmatites.</p>
<p>Drill hole Information</p>	<p>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:</p> <ul style="list-style-type: none"> <li>• easting and northing of the drill hole collar</li> </ul>	<p>This information is included as Appendix 1 of the announcement preceding this table.</p>

	<ul style="list-style-type: none"> <li>• elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>• dip and azimuth of the hole</li> <li>• down hole length and interception depth</li> <li>• hole length.</li> </ul>	
	If the exclusion of this information is justified on the basis that the information is not material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	This information has not been excluded.
Data aggregation methods	In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.	Cut-off grades have not been applied.
	Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.	The reported intersections span long intervals of continuous mineralisation of variable grade; the stated intersections reliably reflect the nature of the mineralisation and the stated length of intersected mineralisation has not been exaggerated by incorporation of unmineralised sample intervals.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	Not applicable; metal equivalents are not reported by AVZ.
Relationship between mineralisation widths and intercept lengths	These relationships are particularly important in the reporting of Exploration Results. If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported	The geometry of the mineralisation reported is reasonably well understood however the pegmatite are not of uniform thickness and their orientations vary down-dip and along strike. Consequently, most drilling intersections do not represent the true-thickness of the intersected pegmatite.
	If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').	In the announcement to which this table is attached, there are clear statements given that clarify the nature of the intersections, stating that the reported interval is not the true thickness.
Diagrams	Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	The required sections and plans are included in the announcement to which this table is attached.

Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	The reporting is balanced as all results are reported.
Other substantive exploration data	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	This information will be supplied as the project advances and said data is generated.
Further work	The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).	Diamond drill testing of the identified priority targets will be on-going. Metallurgical testing is being undertaken and will be reported when results are received.
	Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	The diagrams in the announcement preceding this table show the intersected pegmatite and potential extensions.