



**AVZ Minerals  
Limited**

30 June 2017

## **Independent Review Confirms World Class Potential of the Manono Lithium Project**

### **Highlights – Manono Lithium Project**

- **Assay results of samples collected from reconnaissance trenches confirm the presence of lithium mineralisation in pegmatites extending along strike for more than 13 kilometres.**
- **Assay results from trenching only include intervals of 29m @ 1.54% Li<sub>2</sub>O and 38m @ 1.29% Li<sub>2</sub>O in relatively unweathered pegmatite and 197m at 0.50% Li<sub>2</sub>O in predominantly weathered pegmatite. Further results are awaited.**
- **Initial diamond core drilling of 1,734m is now complete, sampling of core is ongoing with assay results expected early August.**
- **Within the 13,000m zone there are six separate large pegmatites defined to date with lengths from 400m to 5,400m.**
- **It is confirmed that the six large pegmatites all contain spodumene, with spodumene mineralisation constituting up to 30% of the rock volume**
- **Logging of drill core completed to date indicates true thicknesses of the large pegmatites range from 50 to 220 metres – much larger than initially predicted.**
- **The next phase drilling program is planned with a view to having an initial lithium resource calculated by early 2018.**

AVZ Minerals Limited (**AVZ** or **Company**) recently commenced exploration at the Manono Lithium Project. Independent Competent Person\* (**CP**), Mr Peter Spitalny, has completed an initial technical review of the Manono Lithium Project at the request of the Company. The initial focus of the review has been upon surface sampling and mapping.

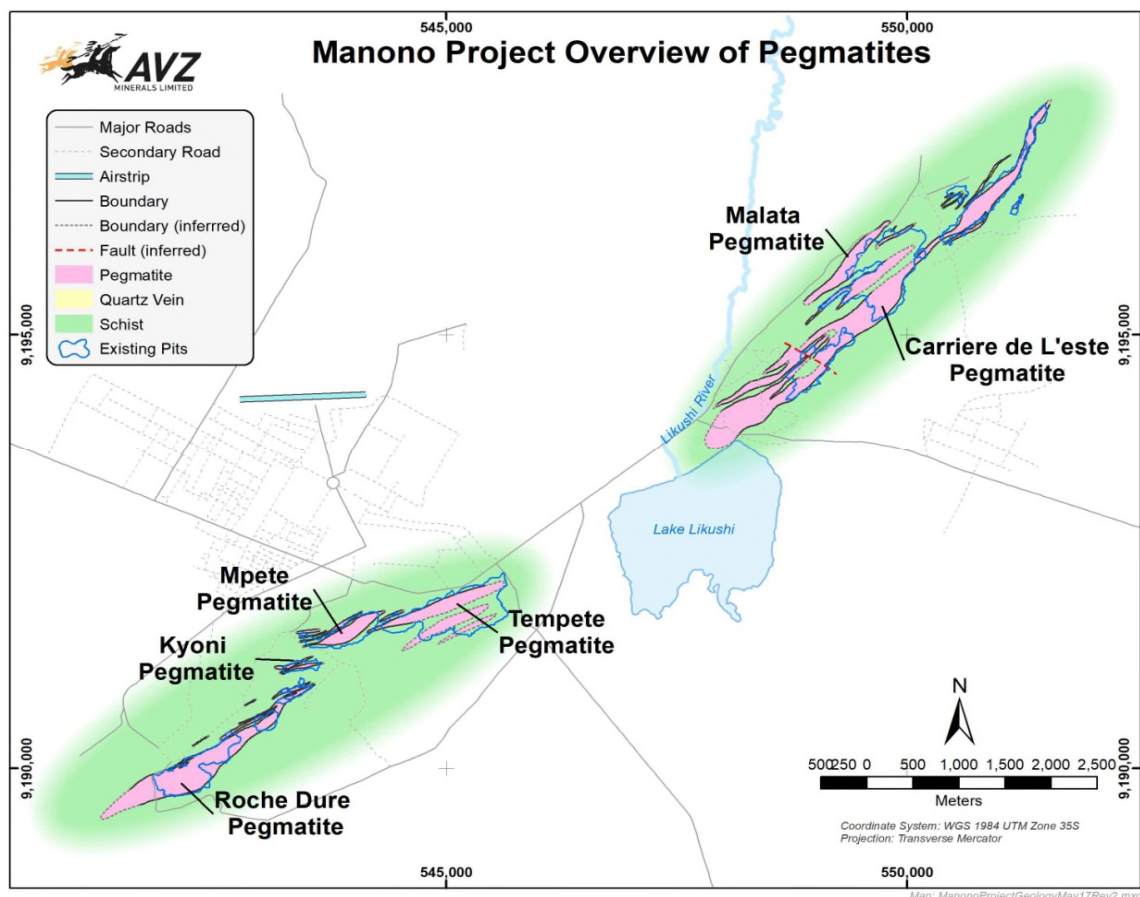
Mr Spitalny noted, *“The technical work observed so far has been to a high standard and with further procedural aspects now fully in place, one can be confident that all drilling and sampling will be to the highest quality to allow resources to be calculated during 2017 on what is perceived to be potentially a world class lithium deposit.”*

*“The main characteristic of note with regard to the Manono pegmatites is that they are immense. Outcrops and exposures in pits suggest that the two largest pegmatites are the Carriere de L'est Pegmatite and the Roche Dure Pegmatite, both of which alone are of similar size or larger than the famous Greenbushes Pegmatite in Western Australia.”*

AVZ Executive Chairman, Mr Klaus Eckhof commented “*The first visit of the CP has provided the necessary check and balance of work completed so far and more importantly further confirmation that AVZ’s Manono Lithium project is shaping up to be of a world class stature. The Company looks forward to continuing its drilling campaign and will shortly be seeking tenders for a significant drilling contract on the back of which JORC resources will be determined.*”

## Mapping

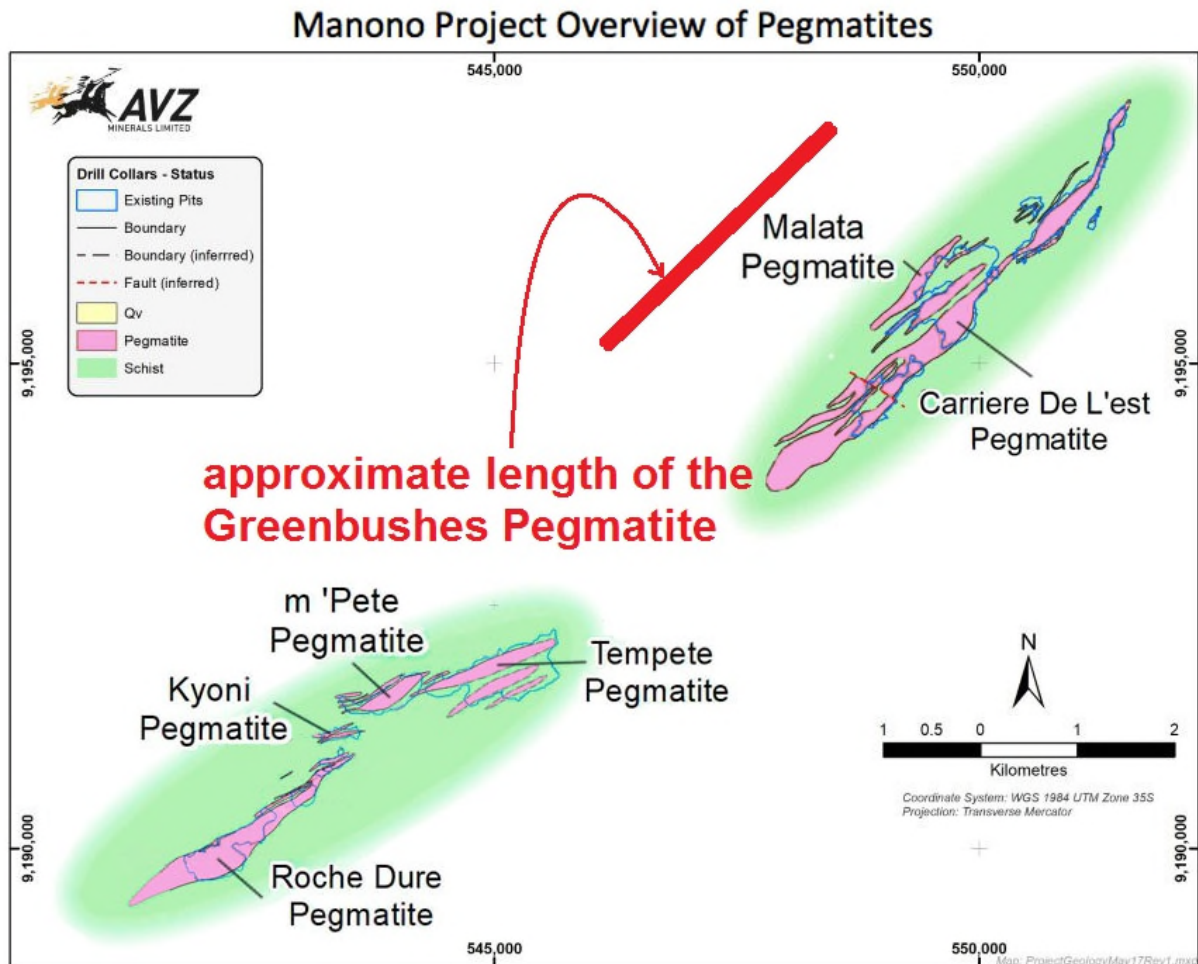
The Manono Project contains two large areas of pegmatite, with the northeast area referred to as the Manono sector and the southwest area referred to as the Kitotolo sector. Mapping within the two sectors has established that there are many pegmatites, representing separate intrusions. For clarity in discussion of the main pegmatites, AVZ has named the six largest pegmatites using the names of the historical open-cut mines (shallow but extensive pits) within the area (Figure 1).



**Figure 1: Manono Project Pegmatites**

Observations of outcrops suggest that the main Li mineral in the large pegmatites is spodumene. The Malata Pegmatite contains, in addition to spodumene, some lepidolite. There is at least one small pegmatite exposed in the Kahungwe West pit (northern end of Manono sector) that is a lepidolite pegmatite.

It is noted that outcrops and exposures in pits suggest that the two largest pegmatites are the Carriere de L'est Pegmatite and the Roche Dure Pegmatite. Each of these alone is evidently as large or larger (Figure 2) than the famous Greenbushes Pegmatite in Western Australia where current resources are stated as 120Mt of 2.4% Li<sub>2</sub>O.



**Figure 2: Comparison of the length of the Manono Project Pegmatites with the Greenbushes Pegmatite**

### Trenching

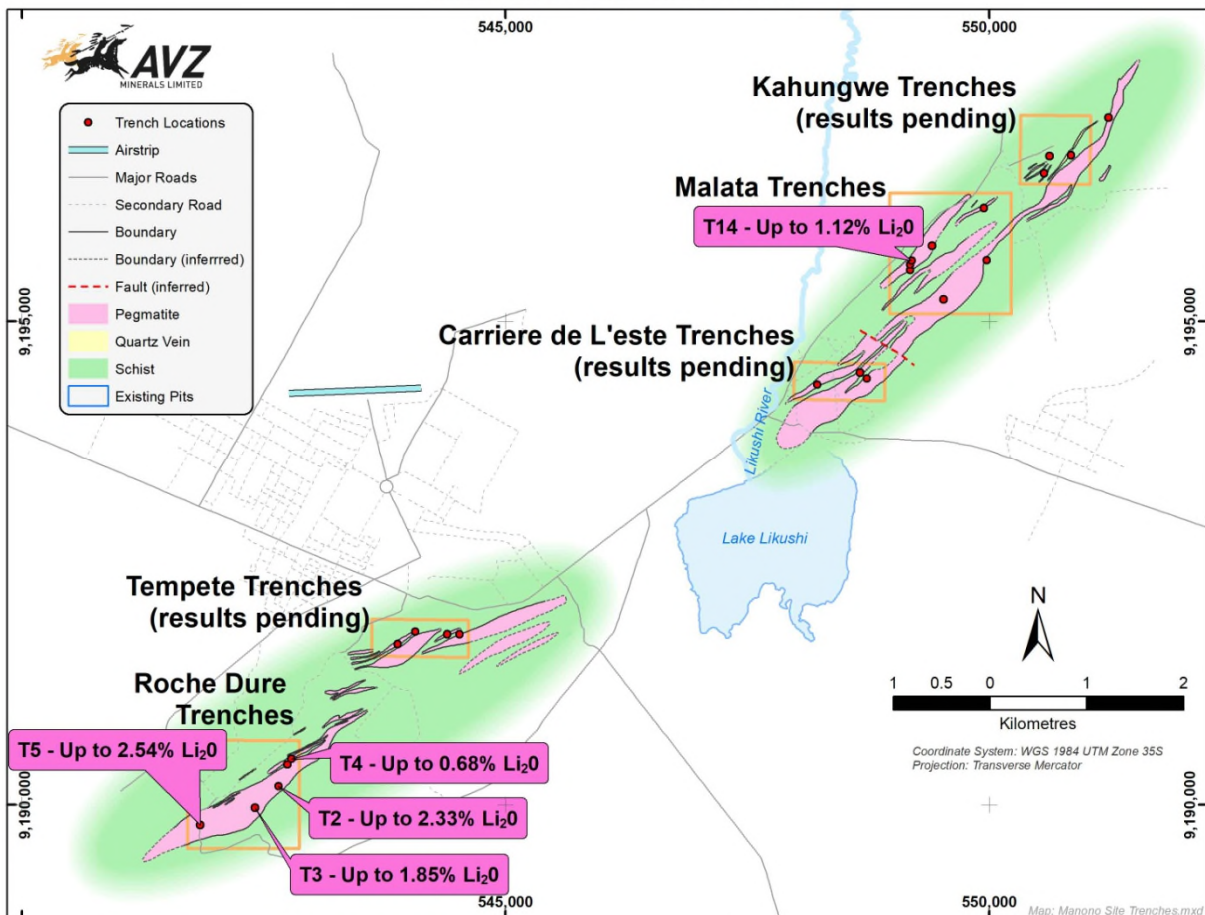
A total of 37 reconnaissance trenches have been excavated to date for a total length of 2,797m. From these trenches 1,205 composite rock-chip samples were collected, mostly from 2m intervals.

Assay results have been received for 511 samples (from 6 trenches) and demonstrate the widespread occurrence of distinct lithium (Li) anomalism (Table 1 and Figure 3). Refer to Appendix 1 for detailed trench results. Results for 694 samples are pending. Samples were assayed using a Peroxide Fusion digest with ICP-OES/MS finish and the concentrations of 54 elements were determined. Location data for trenches are presented in Appendix 2.

**Table 1: Manono Project trench results**

Trench ID (initial use)	Trench ID (current use)	Intervals greater than 0.5% Li <sub>2</sub> O	Comment
Roche Dure TR001	T1	nil	extremely weathered pegmatite
Roche Dure TR002	T2	6m-14m; 8m @ 0.54% Li <sub>2</sub> O	weathered pegmatite
		26m-48m; 22m @ 0.65% Li <sub>2</sub> O	weathered pegmatite
		56m-60m; 4m @ 0.81% Li <sub>2</sub> O	weathered pegmatite
Roche Dure TR003	T3	0m-30m; 30m @ 0.76% Li <sub>2</sub> O	weathered pegmatite
		124m - 128m; 4m @ 1.01% Li <sub>2</sub> O	relatively unweathered pegmatite
Roche Dure TR004	T4	136m - 140m; 4m @ 0.63% Li <sub>2</sub> O	weathered pegmatite
Roche Dure TR005	T5	0m-197m; 197m @ 0.56% Li <sub>2</sub> O	most of samples weathered pegmatite
		includes 12m-40m; 38m @ 1.29% Li <sub>2</sub> O	relatively unweathered pegmatite
		and 60m-89m; 29m @ 1.54% Li <sub>2</sub> O	relatively unweathered pegmatite
Malata TR001	T14	98m-124m; 26m @ 0.54% Li <sub>2</sub> O	weathered pegmatite

**Manono Site Trenches**



**Figure 3: Location of trenches, with significant results shown**

The high Li<sub>2</sub>O concentrations reported correspond to samples collected from trench intervals cut into relatively fresh, less leached pegmatite and are indicative of what is expected in drill core assays. Conversely, the samples collected from outcrops of highly weathered pegmatite contain much lower concentrations of lithium but are still indicative of a well mineralised system.

This near-surface weathering-induced lithium depletion is typical of weathered pegmatites. The weathering profile at Manono indicates that the depth of weathering is between 30m and 60m below surface. The Roche Dure pegmatite has been intercepted in drilling to a vertical depth of 225m and remains open at depth down dip. Some very high tin concentrations were also recorded, as would be expected given the historical production of tin from the area.

### **Drilling Update**

The Company would also like to provide an update on the initial drill program which was recently completed, for a total of 1,734 metres. Initial assay results are expected in early August. Delays have been due to the late delivery of spare parts for the core saw and third party delays in exporting of the samples. These issues have now been remedied.

The true thickness of the Roche Dure pegmatite currently being drill tested is estimated to be up to 220 metres. Spodumene ranging between 5% to 25% of whole rock volume and minor cassiterite/coltan is clearly visible in sections of the core.

### **Conceptual Exploration Target**

Given the size and mineralised nature of the pegmatites at Manono, the Company has generated an exploration target tonnage of between 400 and 800Mt at grade between 1% to 1.5% Li<sub>2</sub>O within pegmatite ore. The potential quantity and grade as stated, is conceptual in nature as there has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource.

This conceptual target is based on detailed prospect scale mapping, some 37 trenches totalling 2,800m producing 1,200 assay samples and approximately 1,750m of logs relating to diamond core drilling from 7 drill holes as completed to-date. The Company intends to embark on a significant drilling program to enable drill definition of Mineral Resources to JORC 2012 standard.

### **Strengthening of the Technical Team**

Consultant lithium specialist Mr Peter Spitalny (MAusIMM) has recently completed a site visit to the Manono Project with the objective of assessing the Project's geological potential, reviewing AVZ's exploration standards and procedures and commenting on AVZ's planned exploration program. Peter will assist AVZ in an ongoing advisory role.

Peter has been involved in mineral exploration for over 25 years, primarily focussed on exploration for lithium, gold, nickel and base-metals. Peter has evaluated and been involved in exploration of more than 20 pegmatite fields in Western Australia, South America (Brazil) and Africa (Namibia and the Democratic Republic of the Congo) in which LCT (lithium) pegmatites are present. Peter has sufficient experience relating to pegmatite mineralisation 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'.

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 Exploration Results and Exploration Targets 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.

\* - A 'Competent Person' as defined by the JORC 2012 code for reporting is a minerals industry professional who is a Member or Fellow of The Australasian Institute of Mining and Metallurgy, or of the Australian Institute of Geoscientists, or of a 'Recognised Professional Organisation' (RPO), as included in a list available on the JORC and ASX websites. These organisations have enforceable disciplinary processes including the powers to suspend or expel a member.

A Competent Person must have a minimum of five years relevant experience in the style of mineralisation or type of deposit under consideration and in the activity which that person is undertaking. If the Competent Person is preparing documentation on Exploration Results, the relevant experience must be in exploration. If the Competent Person is estimating, or supervising the estimation of Mineral Resources, the relevant experience must be in the estimation, assessment and evaluation of Mineral Resources. If the Competent Person is estimating, or supervising the estimation of Ore Reserves, the relevant experience must be in the estimation, assessment, evaluation and economic extraction of Ore Reserves.



## Appendix: Trench samples; Assay Results received to 6/06/2017, p1 of 9

Area	TRENCH_ID	From (m)	To (m)	Sample_ID	Li (ppm)	Li <sub>2</sub> O (%)	Sn (ppm)	Ta (ppm)	Nb (ppm)
Roche Dure	T1	0.00	2.00	AVZ00201	465	0.10	58	14.8	30
Roche Dure	T1	2.00	4.00	AVZ00202	469	0.10	44	12.8	25
Roche Dure	T1	4.00	6.00	AVZ00203	380	0.08	153	17.6	26
Roche Dure	T1	6.00	8.00	AVZ00204	403	0.09	57	11.5	22
Roche Dure	T1	8.00	10.00	AVZ00205	431	0.09	71	11.5	21
Roche Dure	T1	10.00	12.00	AVZ00206	421	0.09	40	9.4	17
Roche Dure	T1	12.00	14.00	AVZ00207	494	0.11	46	11.3	17
Roche Dure	T1	14.00	16.00	AVZ00208	552	0.12	114	12.2	21
Roche Dure	T1	16.00	18.00	AVZ00209	546	0.12	94	10.8	18
Roche Dure	T1	18.00	20.00	AVZ00210	573	0.12	108	10.1	18
Roche Dure	T1	20.00	22.00	AVZ00211	582	0.13	29	10.4	16
Roche Dure	T1	22.00	24.00	AVZ00212	531	0.11	76	9.9	16
Roche Dure	T1	24.00	26.00	AVZ00213	387	0.08	189	33.9	24
Roche Dure	T1	26.00	28.00	AVZ00214	449	0.10	194	24.1	22
Roche Dure	T1	28.00	30.00	AVZ00215	506	0.11	229	35.2	34
Roche Dure	T1	30.00	32.00	AVZ00216	379	0.08	204	55	36
Roche Dure	T1	32.00	34.00	AVZ00217	187	0.04	192	28.4	25
Roche Dure	T1	34.00	36.00	AVZ00218	149	0.03	103	25.3	22
Roche Dure	T1	36.00	38.00	AVZ00219	232	0.05	216	37.3	37
Roche Dure	T1	38.00	40.00	AVZ00220	208	0.04	335	34.6	33
Roche Dure	T1	40.00	42.00	AVZ00221	198	0.04	253	44.1	28
Roche Dure	T1	42.00	44.00	AVZ00222	118	0.03	56	18	13
Roche Dure	T1	44.00	46.00	AVZ00223	92	0.02	208	37.1	25
Roche Dure	T1	46.00	48.00	AVZ00224	38	0.01	562	163	56
Roche Dure	T1	48.00	50.00	AVZ00225	68	0.01	303	154	53
Roche Dure	T1	50.00	52.00	AVZ00226	55	0.01	698	134	56
Roche Dure	T1	52.00	54.00	AVZ00227	151	0.03	540	246	73
Roche Dure	T1	54.00	56.00	AVZ00228	355	0.08	252	49.7	35
Roche Dure	T1	56.00	58.40	AVZ00229	242	0.05	595	159	85
Roche Dure	T1	58.40	60.00	AVZ00230	469	0.10	5	1.4	<1
Roche Dure	T1	60.00	62.00	AVZ00231	404	0.09	240	152	56
Roche Dure	T1	62.00	64.00	AVZ00232	365	0.08	197	87	57
Roche Dure	T1	64.00	66.00	AVZ00233	351	0.08	172	42.6	32
Roche Dure	T1	66.00	68.00	AVZ00234	367	0.08	56	8.3	15
Roche Dure	T1	68.00	70.00	AVZ00235	374	0.08	64	8.8	16
Roche Dure	T1	70.00	72.00	AVZ00236	341	0.07	102	21.8	23
Roche Dure	T1	72.00	74.00	AVZ00237	328	0.07	193	86.8	52
Roche Dure	T1	74.00	76.00	AVZ00238	183	0.04	41	9.5	7
Roche Dure	T1	76.00	78.00	AVZ00239	134	0.03	54	8	6
Roche Dure	T1	78.00	80.00	AVZ00240	134	0.03	79	15.8	8
Roche Dure	T1	80.00	82.00	AVZ00241	104	0.02	35	13.2	7
Roche Dure	T1	82.00	84.00	AVZ00242	107	0.02	50	24.3	14
Roche Dure	T1	84.00	86.00	AVZ00243	249	0.05	513	48.8	31
Roche Dure	T1	86.00	88.00	AVZ00244	203	0.04	405	86.4	54
Roche Dure	T1	88.00	90.00	AVZ00245	237	0.05	390	53.5	34
Roche Dure	T1	90.00	92.00	AVZ00246	144	0.03	302	48.4	38
Roche Dure	T1	92.00	94.00	AVZ00247	217	0.05	289	26.7	29
Roche Dure	T1	94.00	96.00	AVZ00248	227	0.05	500	46.7	35
Roche Dure	T1	96.00	98.00	AVZ00249	439	0.09	341	26.6	39
Roche Dure	T1	98.00	100.00	AVZ00250	26	0.01	106	2620	1380
Roche Dure	T1	100.00	102.00	AVZ00251	275	0.06	549	40.6	66
Roche Dure	T1	102.00	104.00	AVZ00252	495	0.11	719	38.9	49
Roche Dure	T1	104.00	106.00	AVZ00253	465	0.10	606	31.2	55
Roche Dure	T1	106.00	108.00	AVZ00254	612	0.13	639	57.3	71

**Appendix continued; p2 of 9**

Area	TRENCH_ID	From (m)	To (m)	Sample_ID	Li (ppm)	Li <sub>2</sub> O (%)	Sn (ppm)	Ta (ppm)	Nb (ppm)
Roche Dure	T1	108.00	110.00	AVZ00255	541	0.12	367	29.9	41
Roche Dure	T1	110.00	112.00	AVZ00256	705	0.15	630	40.2	76
Roche Dure	T1	112.00	114.00	AVZ00257	353	0.08	393	30.9	53
Roche Dure	T1	114.00	116.00	AVZ00258	265	0.06	162	44.9	39
Roche Dure	T1	116.00	118.00	AVZ00259	687	0.15	244	64.6	44
Roche Dure	T1	118.00	120.00	AVZ00260	479	0.10	1560	48.4	41
Roche Dure	T1	120.00	122.00	AVZ00261	216	0.05	920	48.1	51
Roche Dure	T1	122.00	124.00	AVZ00262	409	0.09	564	30.1	26
Roche Dure	T1	124.00	126.00	AVZ00263	80	0.02	651	30.1	46
Roche Dure	T1	126.00	128.00	AVZ00264	224	0.05	403	27.2	43
Roche Dure	T1	128.00	130.00	AVZ00265	202	0.04	629	43.6	96
Roche Dure	T1	130.00	132.00	AVZ00266	139	0.03	237	28.4	34
Roche Dure	T1	132.00	134.00	AVZ00267	235	0.05	606	31.6	58
Roche Dure	T1	134.00	136.00	AVZ00268	229	0.05	1010	24.8	57
Roche Dure	T1	136.00	138.00	AVZ00269	364	0.08	519	59.6	172
Roche Dure	T1	138.00	140.00	AVZ00270	304	0.07	1300	37.8	71
Roche Dure	T1	140.00	142.00	AVZ00271	423	0.09	429	13.1	26
Roche Dure	T1	142.00	144.00	AVZ00272	411	0.09	1350	21	38
Roche Dure	T1	144.00	146.00	AVZ00273	556	0.12	4490	87.8	113
Roche Dure	T1	146.00	148.00	AVZ00274	784	0.17	949	43.9	86
Roche Dure	T1	148.00	150.00	AVZ00275	430	0.09	802	25.4	55
Roche Dure	T1	150.00	152.00	AVZ00276	199	0.04	658	26.6	64
Roche Dure	T1	152.00	154.00	AVZ00277	292	0.06	744	24.8	36
Roche Dure	T1	154.00	156.00	AVZ00278	256	0.06	2810	40.3	68
Roche Dure	T1	156.00	158.00	AVZ00279	166	0.04	1210	27.2	53
Roche Dure	T1	158.00	160.00	AVZ00280	104	0.02	574	18.2	28
Roche Dure	T1	160.00	162.00	AVZ00281	75	0.02	1510	30.1	46
Roche Dure	T1	162.00	164.00	AVZ00282	141	0.03	700	20.7	48
Roche Dure	T1	164.00	166.00	AVZ00283	251	0.05	603	23.9	47
Roche Dure	T1	166.00	168.00	AVZ00284	123	0.03	548	21.9	45
Roche Dure	T1	168.00	170.00	AVZ00285	126	0.03	555	25.6	51
Roche Dure	T2	0.00	2.00	AVZ00286	843	0.18	634	52.8	148
Roche Dure	T2	2.00	4.00	AVZ00287	812	0.17	659	56.1	166
Roche Dure	T2	4.00	6.00	AVZ00288	1290	0.28	1670	38.7	55
Roche Dure	T2	6.00	8.00	AVZ00289	3560	0.77	734	25.2	50
Roche Dure	T2	8.00	10.00	AVZ00290	2910	0.63	1330	26	50
Roche Dure	T2	10.00	12.00	AVZ00291	3640	0.78	1530	35.7	64
Roche Dure	T2	12.00	14.00	AVZ00292	2970	0.64	1090	28.3	56
Roche Dure	T2	14.00	16.00	AVZ00293	681	0.15	1660	40.8	81
Roche Dure	T2	16.00	18.00	AVZ00294		0.00			
Roche Dure	T2	18.00	20.00	AVZ00295	348	0.07	468	21.4	51
Roche Dure	T2	20.00	22.00	AVZ00296	473	0.10	2540	44.5	78
Roche Dure	T2	22.00	24.00	AVZ00297	374	0.08	225	21.1	49
Roche Dure	T2	24.00	26.00	AVZ00298	402	0.09	1170	35.3	73
Roche Dure	T2	26.00	28.00	AVZ00299	1160	0.25	1430	36.9	78
Roche Dure	T2	28.00	30.00	AVZ00300	4200	0.90	1170	31.1	63
Roche Dure	T2	30.00	32.00	AVZ00301	1800	0.39	1010	26.8	46
Roche Dure	T2	32.00	34.00	AVZ00302	549	0.12	1020	31.3	59
Roche Dure	T2	34.00	36.00	AVZ00303	5720	1.23	1870	42.2	81
Roche Dure	T2	36.00	38.00	AVZ00304	1350	0.29	1260	37	81
Roche Dure	T2	38.00	40.00	AVZ00305	10800	2.33	589	21.4	38
Roche Dure	T2	40.00	42.00	AVZ00306	1270	0.27	898	33.2	66
Roche Dure	T2	42.00	44.00	AVZ00307	1310	0.28	1450	35.9	74
Roche Dure	T2	44.00	46.00	AVZ00308	3740	0.81	1170	30.1	60
Roche Dure	T2	46.00	48.00	AVZ00309	1260	0.27	729	31.8	67



**Appendix continued; p3 of 9**

Area	TRENCH_ID	From (m)	To (m)	Sample_ID	Li (ppm)	Li <sub>2</sub> O (%)	Sn (ppm)	Ta (ppm)	Nb (ppm)
Roche Dure	T2	48.00	50.00	AVZ00310	865	0.19	1560	33.7	77
Roche Dure	T2	50.00	52.00	AVZ00311	817	0.18	1750	31.9	63
Roche Dure	T2	52.00	54.00	AVZ00312	224	0.05	322	15.3	30
Roche Dure	T2	54.00	56.00	AVZ00313	814	0.18	1170	32.2	67
Roche Dure	T2	56.00	58.00	AVZ00314	2920	0.63	1450	33.8	57
Roche Dure	T2	58.00	60.00	AVZ00315	4590	0.99	775	27.6	61
Roche Dure	T2	60.00	62.00	AVZ00316	381	0.08	1080	29.2	52
Roche Dure	T2	62.00	64.00	AVZ00317	982	0.21	738	27.3	56
Roche Dure	T3	0.00	2.00	AVZ00318	3590	0.77	606	26.1	42
Roche Dure	T3	2.00	4.00	AVZ00319	3440	0.74	1220	40.7	69
Roche Dure	T3	4.00	6.00	AVZ00320	1860	0.40	1790	55.8	73
Roche Dure	T3	6.00	8.00	AVZ00321	5340	1.15	775	30.9	50
Roche Dure	T3	8.00	10.00	AVZ00322	2830	0.61	763	26.3	44
Roche Dure	T3	10.00	12.00	AVZ00323	8610	1.85	1770	55	119
Roche Dure	T3	12.00	14.00	AVZ00324	4980	1.07	864	24.2	51
Roche Dure	T3	14.00	16.00	AVZ00325	1310	0.28	961	32	72
Roche Dure	T3	16.00	18.00	AVZ00326	5540	1.19	628	26.3	58
Roche Dure	T3	18.00	20.00	AVZ00327	5150	1.11	556	25	61
Roche Dure	T3	20.00	22.00	AVZ00328	1340	0.29	556	17.9	35
Roche Dure	T3	22.00	24.00	AVZ00329	4850	1.04	327	18.2	47
Roche Dure	T3	24.00	26.00	AVZ00330	2810	0.60	738	31.7	70
Roche Dure	T3	26.00	28.00	AVZ00331	933	0.20	671	20.6	43
Roche Dure	T3	28.00	30.00	AVZ00332	664	0.14	1450	29.7	57
Roche Dure	T3	30.00	32.00	AVZ00333	801	0.17	2200	65.4	79
Roche Dure	T3	32.00	34.00	AVZ00334	917	0.20	1450	30	44
Roche Dure	T3	34.00	36.00	AVZ00335	752	0.16	2330	53.4	102
Roche Dure	T3	36.00	38.00	AVZ00336	2910	0.63	551	25.1	41
Roche Dure	T3	38.00	40.00	AVZ00337	369	0.08	402	13.3	28
Roche Dure	T3	40.00	42.00	AVZ00338	569	0.12	1400	25.7	53
Roche Dure	T3	42.00	44.00	AVZ00339	1900	0.41	861	26.3	44
Roche Dure	T3	44.00	46.00	AVZ00340	555	0.12	2830	53.1	71
Roche Dure	T3	46.00	48.00	AVZ00341	504	0.11	1640	40.7	53
Roche Dure	T3	48.00	50.00	AVZ00342	497	0.11	1620	40.2	52
Roche Dure	T3	50.00	52.00	AVZ00343	634	0.14	2120	32.9	66
Roche Dure	T3	52.00	54.00	AVZ00344	706	0.15	569	22.9	61
Roche Dure	T3	54.00	56.00	AVZ00345	3860	0.83	2300	34.1	64
Roche Dure	T3	56.00	58.00	AVZ00346	1270	0.27	307	12.8	91
Roche Dure	T3	58.00	60.00	AVZ00347	5940	1.28	721	16.8	82
Roche Dure	T3	60.00	62.00	AVZ00348	5790	1.25	865	14.7	67
Roche Dure	T3	62.00	64.00	AVZ00349	634	0.14	622	13.7	55
Roche Dure	T3	64.00	66.00	AVZ00350	2380	0.51	1360	22.7	114
Roche Dure	T3	66.00	68.00	AVZ00351	3080	0.66	765	12.5	65
Roche Dure	T3	68.00	70.00	AVZ00352	5150	1.11	810	16.5	70
Roche Dure	T3	70.00	72.00	AVZ00353	4340	0.93	846	16.4	56
Roche Dure	T3	72.00	74.00	AVZ00354	1730	0.37	622	10.9	55
Roche Dure	T3	74.00	76.00	AVZ00355	2800	0.60	953	13.3	54
Roche Dure	T3	76.00	78.00	AVZ00356	7330	1.58	444	10.5	52
Roche Dure	T3	78.00	80.00	AVZ00357	3340	0.72	650	12	50
Roche Dure	T3	80.00	82.00	AVZ00358	7060	1.52	531	13.9	52
Roche Dure	T3	82.00	84.00	AVZ00359	4990	1.07	1100	20.3	71
Roche Dure	T3	84.00	86.00	AVZ00360	2290	0.49	1220	13.9	64
Roche Dure	T3	86.00	88.00	AVZ00361	5670	1.22	1050	13	58
Roche Dure	T3	88.00	90.00	AVZ00362	2890	0.62	645	10.8	56
Roche Dure	T3	90.00	92.00	AVZ00363	897	0.19	888	13.1	59
Roche Dure	T3	92.00	94.00	AVZ00364	1050	0.23	860	11.9	53

**Appendix continued; p4 of 9**

Area	TRENCH_ID	From (m)	To (m)	Sample_ID	Li (ppm)	Li <sub>2</sub> O (%)	Sn (ppm)	Ta (ppm)	Nb (ppm)
Roche Dure	T3	94.00	96.00	AVZ00365	1190	0.26	417	11.5	53
Roche Dure	T3	96.00	98.00	AVZ00366	4490	0.97	770	14.4	90
Roche Dure	T3	98.00	100.00	AVZ00367	1350	0.29	1260	13	71
Roche Dure	T3	100.00	102.00	AVZ00368	7300	1.57	876	11	66
Roche Dure	T3	102.00	104.00	AVZ00369	827	0.18	652	10.1	56
Roche Dure	T3	104.00	106.00	AVZ00370	2910	0.63	487	11.1	51
Roche Dure	T3	106.00	108.00	AVZ00371	2210	0.48	2310	15.8	78
Roche Dure	T3	108.00	110.00	AVZ00372	6410	1.38	1270	15	73
Roche Dure	T3	110.00	112.00	AVZ00373	584	0.13	691	10.3	51
Roche Dure	T3	112.00	114.00	AVZ00374	547	0.12	778	12.5	53
Roche Dure	T3	114.00	116.00	AVZ00375	919	0.20	730	11.9	52
Roche Dure	T3	116.00	118.00	AVZ00376	1160	0.25	974	12.1	61
Roche Dure	T3	118.00	120.00	AVZ00377	538	0.12	630	8.7	53
Roche Dure	T3	120.00	122.00	AVZ00378	541	0.12	1460	13.4	67
Roche Dure	T3	122.00	124.00	AVZ00379	385	0.08	736	13	66
Roche Dure	T3	124.00	126.00	AVZ00380	5980	1.29	713	12.1	61
Roche Dure	T3	126.00	128.00	AVZ00381	3430	0.74	2050	20.9	74
Roche Dure	T3	128.00	130.00	AVZ00382	530	0.11	2030	14.7	62
Roche Dure	T3	130.00	132.00	AVZ00383	654	0.14	592	12.5	54
Roche Dure	T3	132.00	134.00	AVZ00384	437	0.09	1020	20.6	146
Roche Dure	T3	134.00	136.00	AVZ00385	436	0.09	947	14.1	79
Roche Dure	T3	136.00	138.00	AVZ00386	2300	0.50	933	16.2	77
Roche Dure	T3	138.00	140.00	AVZ00387	548	0.12	1310	12.3	53
Roche Dure	T3	140.00	142.00	AVZ00388	394	0.08	539	7.4	30
Roche Dure	T3	142.00	144.00	AVZ00389	253	0.05	330	5.1	24
Roche Dure	T3	144.00	146.00	AVZ00390	123	0.03	554	8	41
Roche Dure	T3	146.00	148.00	AVZ00391	382	0.08	31	1.4	5
Roche Dure	T3	148.00	150.00	AVZ00392	387	0.08	481	8.8	39
Roche Dure	T3	150.00	152.00	AVZ00393	566	0.12	839	13.5	61
Roche Dure	T4	0.00	2.00	AVZ00394	425	0.09	327	4.3	24
Roche Dure	T4	2.00	4.00	AVZ00395	518	0.11	85	3.5	18
Roche Dure	T4	4.00	6.00	AVZ00396	611	0.13	36	17.1	90
Roche Dure	T4	6.00	8.00	AVZ00397	403	0.09	106	57.4	40
Roche Dure	T4	8.00	10.00	AVZ00398	518	0.11	289	83.1	39
Roche Dure	T4	10.00	12.00	AVZ00399	486	0.10	117	20.9	24
Roche Dure	T4	12.00	14.00	AVZ00400	598	0.13	34	12.4	21
Roche Dure	T4	14.00	16.00	AVZ00401	422	0.09	23	11.5	19
Roche Dure	T4	16.00	18.00	AVZ00402	428	0.09	24	11.7	22
Roche Dure	T4	18.00	20.00	AVZ00403	466	0.10	28	11.9	22
Roche Dure	T4	20.00	22.00	AVZ00404	444	0.10	27	13.6	23
Roche Dure	T4	22.00	24.00	AVZ00405	548	0.12	44	11.6	21
Roche Dure	T4	24.00	26.00	AVZ00406	449	0.10	49	12.5	19
Roche Dure	T4	28.00	30.00	AVZ00408	458	0.10	225	19.1	25
Roche Dure	T4	30.00	32.00	AVZ00409	697	0.15	131	15.2	27
Roche Dure	T4	32.00	34.00	AVZ00410	595	0.13	150	13	23
Roche Dure	T4	40.00	42.00	AVZ00414	787	0.17	98	10.1	18
Roche Dure	T4	42.00	44.00	AVZ00415	559	0.12	146	13	22
Roche Dure	T4	44.00	46.00	AVZ00416	536	0.12	340	17.7	22
Roche Dure	T4	46.00	48.00	AVZ00417	616	0.13	164	16.4	24
Roche Dure	T4	48.00	50.00	AVZ00418	568	0.12	201	12.3	20
Roche Dure	T4	50.00	52.00	AVZ00419	836	0.18	122	11.4	20
Roche Dure	T4	52.00	54.00	AVZ00420	871	0.19	105	14.5	21
Roche Dure	T4	54.00	56.00	AVZ00421	458	0.10	140	13.9	17
Roche Dure	T4	56.00	58.00	AVZ00422	595	0.13	126	14.2	25
Roche Dure	T4	58.00	60.00	AVZ00423	592	0.13	109	14.1	25

**Appendix continued; p5 of 9**

Area	TRENCH_ID	From (m)	To (m)	Sample_ID	Li (ppm)	Li <sub>2</sub> O (%)	Sn (ppm)	Ta (ppm)	Nb (ppm)
Roche Dure	T4	60.00	62.00	AVZ00424	1170	0.25	158	15.8	20
Roche Dure	T4	62.00	64.00	AVZ00425	588	0.13	183	26.9	35
Roche Dure	T4	64.00	66.00	AVZ00426	447	0.10	460	99.4	124
Roche Dure	T4	66.00	68.00	AVZ00427	483	0.10	309	42.9	50
Roche Dure	T4	68.00	70.00	AVZ00428	377	0.08	272	35.2	34
Roche Dure	T4	70.00	72.00	AVZ00429	368	0.08	508	46	62
Roche Dure	T4	72.00	74.00	AVZ00430	497	0.11	278	33.8	50
Roche Dure	T4	74.00	76.00	AVZ00431	387	0.08	395	39.1	48
Roche Dure	T4	76.00	78.00	AVZ00432	570	0.12	481	37.4	54
Roche Dure	T4	78.00	80.00	AVZ00433	432	0.09	159	29.8	46
Roche Dure	T4	80.00	82.00	AVZ00434	524	0.11	564	39.1	53
Roche Dure	T4	82.00	84.00	AVZ00435	749	0.16	528	34.6	50
Roche Dure	T4	84.00	86.00	AVZ00436	1040	0.22	387	34	49
Roche Dure	T4	86.00	88.00	AVZ00437	594	0.13	401	34.6	42
Roche Dure	T4	88.00	90.00	AVZ00438	514	0.11	271	49	75
Roche Dure	T4	90.00	92.00	AVZ00439	493	0.11	215	72	128
Roche Dure	T4	92.00	94.00	AVZ00440	293	0.06	112	29.1	46
Roche Dure	T4	94.00	96.00	AVZ00441	383	0.08	287	36.2	52
Roche Dure	T4	96.00	98.00	AVZ00442	431	0.09	171	36.2	68
Roche Dure	T4	98.00	100.00	AVZ00443	323	0.07	93	20.4	23
Roche Dure	T4	100.00	102.00	AVZ00444	196	0.04	206	30.9	34
Roche Dure	T4	102.00	104.00	AVZ00445	482	0.10	264	24.7	33
Roche Dure	T4	104.00	106.00	AVZ00446	101	0.02	269	66.6	72
Roche Dure	T4	106.00	108.00	AVZ00447	228	0.05	165	25.6	33
Roche Dure	T4	108.00	110.00	AVZ00448	211	0.05	46	15.6	23
Roche Dure	T4	110.00	112.00	AVZ00449	225	0.05	97	9.6	25
Roche Dure	T4	112.00	114.00	AVZ00450	188	0.04	67	8.3	19
Roche Dure	T4	114.00	116.00	AVZ00451	213	0.05	85	7.5	20
Roche Dure	T4	116.00	118.00	AVZ00452	252	0.05	22	4.8	17
Roche Dure	T4	118.00	120.00	AVZ00453	285	0.06	59	6.9	20
Roche Dure	T4	120.00	122.00	AVZ00454	367	0.08	29	5.1	16
Roche Dure	T4	122.00	124.00	AVZ00455	380	0.08	64	6.4	17
Roche Dure	T4	124.00	126.00	AVZ00456	450	0.10	89	8.9	22
Roche Dure	T4	126.00	128.00	AVZ00457	533	0.11	74	12.9	26
Roche Dure	T4	128.00	130.00	AVZ00458	451	0.10	135	7.7	17
Roche Dure	T4	130.00	132.00	AVZ00459	628	0.14	87	7.2	18
Roche Dure	T4	132.00	134.00	AVZ00460	650	0.14	85	8.8	19
Roche Dure	T4	134.00	136.00	AVZ00461	962	0.21	84	8.2	18
Roche Dure	T4	136.00	138.00	AVZ00462	2760	0.59	144	16.3	24
Roche Dure	T4	138.00	140.00	AVZ00463	3170	0.68	183	53.1	88
Roche Dure	T4	140.00	142.00	AVZ00464	386	0.08	234	58.3	68
Roche Dure	T4	142.00	144.00	AVZ00465	421	0.09	327	56.6	63
Roche Dure	T4	144.00	146.00	AVZ00466	548	0.12	358	29.2	51
Roche Dure	T4	146.00	148.00	AVZ00467	641	0.14	276	33.7	55
Roche Dure	T4	148.00	150.00	AVZ00468	443	0.10	322	42.6	62
Roche Dure	T4	150.00	152.00	AVZ00469	319	0.07	278	42.9	53
Roche Dure	T4	152.00	154.00	AVZ00470	398	0.09	507	33.6	43
Roche Dure	T4	154.00	156.00	AVZ00471	241	0.05	496	29.9	41
Roche Dure	T4	156.00	158.00	AVZ00472	264	0.06	210	31.4	39
Roche Dure	T4	158.00	160.00	AVZ00473	288	0.06	264	17.3	26
Roche Dure	T4	160.00	162.00	AVZ00474	323	0.07	100	7.7	20
Roche Dure	T4	162.00	164.00	AVZ00475	307	0.07	161	11.7	24
Roche Dure	T4	164.00	166.00	AVZ00476	352	0.08	145	11.6	23
Roche Dure	T4	166.00	168.00	AVZ00477	558	0.12	280	19.7	32
Roche Dure	T4	168.00	170.00	AVZ00478	1030	0.22	306	32.7	41
Roche Dure	T4	170.00	172.00	AVZ00479	493	0.11	318	45.1	36

**Appendix continued; p6 of 9**

Area	TRENCH_ID	From (m)	To (m)	Sample_ID	Li (ppm)	Li <sub>2</sub> O (%)	Sn (ppm)	Ta (ppm)	Nb (ppm)
Roche Dure	T4	172.00	174.00	AVZ00480	342	0.07	287	18.2	24
Roche Dure	T5	0.00	2.00	AVZ00481	220	0.05	1140	39.2	71
Roche Dure	T5	2.00	4.00	AVZ00482	491	0.11	1630	59.7	109
Roche Dure	T5	4.00	6.00	AVZ00483	133	0.03	465	34.9	46
Roche Dure	T5	6.00	8.00	AVZ00484	232	0.05	325	30.4	50
Roche Dure	T5	8.00	10.00	AVZ00485	2930	0.63	381	33.7	53
Roche Dure	T5	10.00	12.00	AVZ00486	134	0.03	1280	44.4	58
Roche Dure	T5	12.00	14.00	AVZ00487	67	0.01	951	80.9	66
Roche Dure	T5	14.00	16.00	AVZ00488	163	0.04	514	39.4	85
Roche Dure	T5	16.00	18.00	AVZ00489	160	0.03	459	68.9	74
Roche Dure	T5	18.00	20.00	AVZ00490	59	0.01	513	41.8	60
Roche Dure	T5	20.00	22.00	AVZ00491	43	0.01	651	37.7	56
Roche Dure	T5	22.00	24.00	AVZ00492	<10	0.00	304	43.9	84
Roche Dure	T5	24.00	26.00	AVZ00493	39	0.01	521	48.5	84
Roche Dure	T5	26.00	28.00	AVZ00494	25	0.01	630	46.8	94
Roche Dure	T5	28.00	30.00	AVZ00495	402	0.09	884	42.7	79
Roche Dure	T5	30.00	32.00	AVZ00496	333	0.07	1210	58.9	108
Roche Dure	T5	32.00	34.00	AVZ00497	61	0.01	686	41.5	69
Roche Dure	T5	34.00	36.00	AVZ00498	26	0.01	809	59.3	91
Roche Dure	T5	0.00	2.00	AVZ00499	146	0.03	262	27	45
Roche Dure	T5	2.00	4.00	AVZ00500	143	0.03	324	29	57
Roche Dure	T5	0.00	2.00	AVZ00601	278	0.06	912	48.8	73
Roche Dure	T5	2.00	4.00	AVZ00602	285	0.06	414	35.6	41
Roche Dure	T5	4.00	6.00	AVZ00603	2460	0.53	392	29.9	56
Roche Dure	T5	6.00	8.00	AVZ00604	589	0.13	1090	48.6	77
Roche Dure	T5	8.00	10.00	AVZ00605	3830	0.82	560	27.7	51
Roche Dure	T5	10.00	12.00	AVZ00606	822	0.18	1050	28.1	48
Roche Dure	T5	12.00	14.00	AVZ00607	7990	1.72	622	36.4	75
Roche Dure	T5	14.00	16.00	AVZ00608	6620	1.43	587	30.6	63
Roche Dure	T5	16.00	18.00	AVZ00609	3550	0.76	896	44.6	82
Roche Dure	T5	18.00	20.00	AVZ00610	6150	1.32	301	28.2	73
Roche Dure	T5	20.00	22.00	AVZ00611	11700	2.52	323	38.7	119
Roche Dure	T5	22.00	24.00	AVZ00612	5280	1.14	643	32.4	59
Roche Dure	T5	24.00	26.00	AVZ00613	2060	0.44	1110	37.1	69
Roche Dure	T5	26.00	28.00	AVZ00614	9290	2.00	746	37.2	74
Roche Dure	T5	28.00	30.00	AVZ00615	4130	0.89	1830	46.2	80
Roche Dure	T5	30.00	32.00	AVZ00616	7420	1.60	808	31.7	59
Roche Dure	T5	32.00	34.00	AVZ00617	5590	1.20	527	23.3	46
Roche Dure	T5	34.00	36.00	AVZ00618	6320	1.36	651	33.1	62
Roche Dure	T5	36.00	38.00	AVZ00619	3410	0.73	866	36.8	71
Roche Dure	T5	38.00	40.00	AVZ00620	4460	0.96	849	29.3	63
Roche Dure	T5	40.00	42.00	AVZ00621	1120	0.24	763	42.1	70
Roche Dure	T5	42.00	44.00	AVZ00622	1570	0.34	422	32.3	51
Roche Dure	T5	44.00	46.00	AVZ00623	1190	0.26	405	52.2	61
Roche Dure	T5	46.00	48.00	AVZ00624	2590	0.56	850	58	78
Roche Dure	T5	48.00	50.00	AVZ00625	586	0.13	505	66.1	76
Roche Dure	T5	50.00	52.00	AVZ00626	804	0.17	958	34.3	67
Roche Dure	T5	52.00	54.00	AVZ00627	1910	0.41	1450	38.8	71
Roche Dure	T5	54.00	56.00	AVZ00628	432	0.09	403	29.5	65
Roche Dure	T5	56.00	58.00	AVZ00629	473	0.10	692	48.2	70
Roche Dure	T5	58.00	60.00	AVZ00630	498	0.11	1190	46.4	81
Roche Dure	T5	60.00	63.00	AVZ00631	6920	1.49	594	23.6	51
Roche Dure	T5	63.00	67.00	AVZ00632	10600	2.28	489	32.6	59
Roche Dure	T5	67.00	69.00	AVZ00633	5710	1.23	352	26.2	40
Roche Dure	T5	69.00	71.00	AVZ00634	10100	2.17	1810	49.8	70
Roche Dure	T5	71.00	73.00	AVZ00635	6290	1.35	3050	79.7	97

**Appendix continued; p7 of 9**

Area	TRENCH_ID	From (m)	To (m)	Sample_ID	Li (ppm)	Li <sub>2</sub> O (%)	Sn (ppm)	Ta (ppm)	Nb (ppm)
Roche Dure	T5	73.00	75.00	AVZ00636	5560	1.20	801	26	55
Roche Dure	T5	75.00	77.00	AVZ00637	5810	1.25	802	36.8	64
Roche Dure	T5	77.00	79.00	AVZ00638	9460	2.04	541	29.1	57
Roche Dure	T5	79.00	81.00	AVZ00639	3250	0.70	580	50.6	104
Roche Dure	T5	81.00	83.00	AVZ00640	5990	1.29	574	23.6	52
Roche Dure	T5	83.00	85.00	AVZ00641	11800	2.54	481	34.5	81
Roche Dure	T5	85.00	87.00	AVZ00642	6740	1.45	284	40.8	76
Roche Dure	T5	87.00	89.00	AVZ00643	4850	1.04	1120	63.8	105
Roche Dure	T5	89.00	91.00	AVZ00644	2270	0.49	1390	44.3	84
Roche Dure	T5	91.00	93.00	AVZ00645	2270	0.49	1300	33.6	74
Roche Dure	T5	93.00	95.00	AVZ00646	2750	0.59	861	43.2	76
Roche Dure	T5	95.00	97.00	AVZ00647	5260	1.13	974	36.4	66
Roche Dure	T5	97.00	99.00	AVZ00648	8210	1.77	653	37.6	56
Roche Dure	T5	99.00	101.00	AVZ00649	3740	0.81	1800	52.1	92
Roche Dure	T5	101.00	103.00	AVZ00650	4070	0.88	1270	41.6	68
Roche Dure	T5	103.00	105.00	AVZ00651	803	0.17	1360	54.7	98
Roche Dure	T5	105.00	107.00	AVZ00652	563	0.12	1230	57.8	105
Roche Dure	T5	107.00	109.00	AVZ00653	1270	0.27	732	24.1	43
Roche Dure	T5	109.00	111.00	AVZ00654	952	0.20	1440	52.4	86
Roche Dure	T5	111.00	113.00	AVZ00655	1000	0.22	1130	31.7	60
Roche Dure	T5	113.00	115.00	AVZ00656	396	0.09	433	17.7	37
Roche Dure	T5	115.00	117.00	AVZ00657	620	0.13	678	55.2	89
Roche Dure	T5	117.00	119.00	AVZ00658	210	0.05	516	38.3	58
Roche Dure	T5	119.00	121.00	AVZ00659	451	0.10	323	28.9	53
Roche Dure	T5	121.00	123.00	AVZ00660	296	0.06	1800	40.3	73
Roche Dure	T5	123.00	125.00	AVZ00661	130	0.03	680	23.1	42
Roche Dure	T5	125.00	127.00	AVZ00662	228	0.05	560	30.1	64
Roche Dure	T5	127.00	129.00	AVZ00663	348	0.07	5040	64.6	103
Roche Dure	T5	129.00	131.00	AVZ00664	303	0.07	895	41.8	64
Roche Dure	T5	131.00	133.00	AVZ00665	171	0.04	644	25	55
Roche Dure	T5	133.00	135.00	AVZ00666	340	0.07	633	40.1	64
Roche Dure	T5	135.00	137.00	AVZ00667	560	0.12	716	31.5	55
Roche Dure	T5	137.00	139.00	AVZ00668	328	0.07	849	53.5	79
Roche Dure	T5	139.00	141.00	AVZ00669	392	0.08	594	46.7	73
Roche Dure	T5	141.00	143.00	AVZ00670	157	0.03	896	41.5	67
Roche Dure	T5	143.00	145.00	AVZ00671	279	0.06	815	51.6	73
Roche Dure	T5	145.00	147.00	AVZ00672	202	0.04	619	35	52
Roche Dure	T5	147.00	149.00	AVZ00673	<10	0.00	253	16	37
Roche Dure	T5	149.00	151.00	AVZ00674	239	0.05	270	15.6	30
Roche Dure	T5	151.00	153.00	AVZ00675	952	0.20	1060	29.8	74
Roche Dure	T5	153.00	155.00	AVZ00676	331	0.07	117	8.8	29
Roche Dure	T5	155.00	157.00	AVZ00677	766	0.16	193	12.3	49
Roche Dure	T5	157.00	159.00	AVZ00678	403	0.09	163	14.5	38
Roche Dure	T5	159.00	161.00	AVZ00679	718	0.15	118	21.7	82
Roche Dure	T5	161.00	163.00	AVZ00680	664	0.14	110	24.8	99
Roche Dure	T5	163.00	165.00	AVZ00681	352	0.08	935	39.5	73
Roche Dure	T5	165.00	167.00	AVZ00682	478	0.10	705	31.3	121
Roche Dure	T5	167.00	169.00	AVZ00683	1020	0.22	480	17	58
Roche Dure	T5	169.00	171.00	AVZ00684	1290	0.28	564	16.4	60
Roche Dure	T5	171.00	173.00	AVZ00685	205	0.04	898	258	118
Roche Dure	T5	173.00	175.00	AVZ00686	216	0.05	137	16.3	29
Roche Dure	T5	175.00	177.00	AVZ00687	229	0.05	332	34	80
Roche Dure	T5	177.00	179.00	AVZ00688	569	0.12	587	27	54
Roche Dure	T5	179.00	181.00	AVZ00689	872	0.19	649	25.7	70
Roche Dure	T5	181.00	183.00	AVZ00690	2470	0.53	172	12.4	41
Roche Dure	T5	183.00	185.00	AVZ00691	2340	0.50	165	8.6	33



**Appendix continued; p8 of 9**

Area	TRENCH_ID	From (m)	To (m)	Sample_ID	Li (ppm)	Li <sub>2</sub> O (%)	Sn (ppm)	Ta (ppm)	Nb (ppm)
Roche Dure	T5	185.00	187.00	AVZ00692	2550	0.55	745	27.8	41
Roche Dure	T5	187.00	189.00	AVZ00693	1090	0.23	669	18.4	46
Roche Dure	T5	189.00	191.00	AVZ00694	206	0.04	79	8.1	20
Roche Dure	T5	191.00	193.00	AVZ00695	1390	0.30	311	27	44
Roche Dure	T5	193.00	195.00	AVZ00696	1040	0.22	133	4	5
Roche Dure	T5	195.00	197.00	AVZ00697	364	0.08	480	19	35
Malata	T14	0.00	2.00	AVZ00501	957	0.21	442	22	24
Malata	T14	2.00	4.00	AVZ00502	873	0.19	405	20.4	24
Malata	T14	4.00	6.00	AVZ00503	1130	0.24	352	31.4	27
Malata	T14	6.00	8.00	AVZ00504	771	0.17	206	22.8	19
Malata	T14	8.00	10.00	AVZ00505	983	0.21	321	56.8	39
Malata	T14	10.00	12.00	AVZ00506	936	0.20	219	23.1	21
Malata	T14	12.00	14.00	AVZ00507	981	0.21	212	36.3	27
Malata	T14	14.00	16.00	AVZ00508	1130	0.24	221	34.7	28
Malata	T14	16.00	18.00	AVZ00509	1180	0.25	104	16.9	21
Malata	T14	18.00	20.00	AVZ00510	1530	0.33	178	18.6	24
Malata	T14	20.00	22.00	AVZ00511	1200	0.26	127	26.2	22
Malata	T14	22.00	24.00	AVZ00512	1040	0.22	88	15.4	21
Malata	T14	24.00	26.00	AVZ00513	922	0.20	200	46.7	32
Malata	T14	26.00	28.00	AVZ00514	1180	0.25	252	46.6	29
Malata	T14	28.00	30.00	AVZ00515	1250	0.27	183	27.7	23
Malata	T14	30.00	32.00	AVZ00516	1640	0.35	166	30.8	27
Malata	T14	32.00	34.00	AVZ00517	1610	0.35	293	14	18
Malata	T14	34.00	36.00	AVZ00518	1320	0.28	240	57.1	44
Malata	T14	36.00	38.00	AVZ00519	1260	0.27	235	25.7	25
Malata	T14	38.00	40.00	AVZ00520	1410	0.30	269	34.5	28
Malata	T14	40.00	42.00	AVZ00521	1040	0.22	204	56.5	36
Malata	T14	42.00	44.00	AVZ00522	1440	0.31	147	16.7	20
Malata	T14	44.00	46.00	AVZ00523	1380	0.30	315	50.4	40
Malata	T14	46.00	48.00	AVZ00524	1220	0.26	154	20.1	20
Malata	T14	48.00	50.00	AVZ00525	1610	0.35	189	18.3	19
Malata	T14	50.00	52.00	AVZ00526	1400	0.30	248	64.1	38
Malata	T14	52.00	54.00	AVZ00527	1110	0.24	215	81.6	41
Malata	T14	54.00	56.00	AVZ00528	1320	0.28	198	25.3	26
Malata	T14	56.00	58.00	AVZ00529	1210	0.26	110	35.5	23
Malata	T14	58.00	60.00	AVZ00530	1550	0.33	229	9.7	20
Malata	T14	60.00	62.00	AVZ00531	1170	0.25	515	40.2	38
Malata	T14	62.00	64.00	AVZ00532	1030	0.22	334	16.6	19
Malata	T14	64.00	66.00	AVZ00533	1070	0.23	210	21.1	30
Malata	T14	66.00	68.00	AVZ00534	581	0.13	761	70.6	56
Malata	T14	68.00	70.00	AVZ00535	566	0.12	865	59	62
Malata	T14	70.00	72.00	AVZ00536	688	0.15	883	55.8	59
Malata	T14	72.00	74.00	AVZ00537	500	0.11	1030	76.6	80
Malata	T14	74.00	76.00	AVZ00538	209	0.04	1390	59.3	66
Malata	T14	76.00	78.00	AVZ00539	152	0.03	775	39.3	38
Malata	T14	78.00	80.00	AVZ00540	172	0.04	318	43.6	33
Malata	T14	80.00	82.00	AVZ00541	185	0.04	263	44.6	28
Malata	T14	82.00	84.00	AVZ00542	119	0.03	239	32.8	18
Malata	T14	84.00	86.00	AVZ00543	208	0.04	802	106	76
Malata	T14	86.00	88.00	AVZ00544	<10	0.00	1380	99.5	82
Malata	T14	92.00	94.00	AVZ00547	611	0.13	1260	115	104
Malata	T14	94.00	96.00	AVZ00548	305	0.07	1150	70.2	64
Malata	T14	96.00	98.00	AVZ00549	152	0.03	2610	125	103
Malata	T14	98.00	100.00	AVZ00550	1720	0.37	814	76.1	51
Malata	T14	100.00	102.00	AVZ00551	522	0.11	809	60.5	60
Malata	T14	102.00	104.00	AVZ00552	896	0.19	909	59.6	65



**Appendix continued; p9 of 9**

Area	TRENCH_ID	From (m)	To (m)	Sample_ID	Li (ppm)	Li <sub>2</sub> O (%)	Sn (ppm)	Ta (ppm)	Nb (ppm)
Malata	T14	104.00	106.00	AVZ00553	1080	0.23	935	44.6	38
Malata	T14	106.00	108.00	AVZ00554	1290	0.28	762	53.4	46
Malata	T14	108.00	110.00	AVZ00555	1700	0.37	1270	90.9	69
Malata	T14	110.00	112.00	AVZ00556	4360	0.94	1290	68.7	40
Malata	T14	112.00	114.00	AVZ00557	3120	0.67	648	74.3	50
Malata	T14	114.00	116.00	AVZ00558	2590	0.56	444	63.6	49
Malata	T14	116.00	118.00	AVZ00559	2530	0.54	508	202	121
Malata	T14	118.00	120.00	AVZ00560	5220	1.12	936	127	68
Malata	T14	120.00	122.00	AVZ00561	5170	1.11	711	118	51
Malata	T14	122.00	124.00	AVZ00562	2370	0.51	654	79.6	34
Malata	T14	124.00	126.00	AVZ00563	330	0.07	500	433	144
Malata	T14	126.00	128.00	AVZ00564	1520	0.33	432	58.9	34
Malata	T14	128.00	130.00	AVZ00565	510	0.11	420	191	97
Malata	T14	130.00	132.00	AVZ00566	1280	0.28	438	215	68
Malata	T14	132.00	134.00	AVZ00567	363	0.08	522	222	71
Malata	T14	134.00	136.00	AVZ00568	222	0.05	564	333	82
Malata	T14	136.00	138.00	AVZ00569	294	0.06	528	228	80
Malata	T14	160.00	162.00	AVZ00571	4100	0.88	631	187	87

**End**

## Appendix 2. Trench Location Data

Channel_ID	Easting	Northing	Elevation	Length
T1	542697.00	9190480.00	639.00	170.00
T2	542639.00	9190215.00	637.00	64.00
T3	542350.00	9190045.00	640.00	194.00
T4	542711.00	9190550.00	632.00	100.00
T5	541943.00	9189975.00	637.00	297.00
T6	543815.00	9191613.00	630.00	150.00
T7	544039.00	9191780.00	630.00	68.00
T8	544363.00	9191710.00	619.00	168.00
T9	544512.00	9191757.00	619.00	35.00
T10	548112.00	9194331.00	615.00	34.00
T11	548224.00	9194402.00	615.00	66.00
T12	548599.00	9194456.00	618.00	126.00
T13	548713.00	9194436.00	618.00	74.00
T14	549118.00	9195694.00	616.00	198.00
T15	549157.00	9195605.00	617.00	28.00
T16	549183.00	9195594.00	617.00	51.00
T17	549123.00	9195565.00	616.00	142.00
T18	549306.00	9195727.00	611.00	218.00
T19	549472.00	9195320.00	610.00	40.00
T20	549487.00	9195271.00	610.00	20.00
T21	549483.00	9195242.00	610.00	10.00
T22	549518.00	9195284.00	610.00	42.00
T23	549510.00	9195180.00	610.00	82.00
T24	549911.00	9196169.00	611.00	76.00
T25	550018.00	9195688.00	623.00	146.00
T26	550616.00	9196548.00	628.00	22.00
T27	550541.00	9196513.00	626.00	6.00
T28	550547.00	9196531.00	625.00	18.00
T29	550915.00	9196845.00	626.00	26.00
T30	550896.00	9196766.00	629.00	14.00
T31	550865.00	9196747.00	629.00	20.00
T32	550811.00	9196655.00	632.00	20.00
T33	550650.00	9196703.00	609.00	54.00
T34	551238.00	9197112.00	626.00	12.00
T35	550601.00	9196951.00	631.00	2.00
T36	550622.00	9196936.00	631.00	2.00
T37	550938.00	9196983.00	648.00	2.00

**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.	The trenches were sampled through collection of rockchips chiselled or knapped from the floor of the trench as a continuous channel-sample over 2m intervals.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	The continuous channel sampling provides 2m composite samples that are representative of the sampled interval in the locality of sampling but cannot be considered representative of the entire pegmatite body.
	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.	The channel sampling of the trenches was completed according to industry standards; the 2m composite channel samples were comprised of rock chips, had a mass of 2kg-3kg and equal quantities of sample were collected from throughout the sample interval.
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.).	This information release does not report drill sampling or results.
Drill sample recovery	Method of recording and assessing core and chip sample recoveries and results assessed.	This information release does not report drill sampling or results.
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	This information release does not report drill sampling or results.
	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.	This information release does not report drill sampling or results.
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.	This information release does not report drill sampling or results.
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography	Logging of the trenches was both quantitative and qualitative. The Lithology excavated along the length was logged qualitatively, while the interval of the trench sampled was measured from a set end-point.
	The total length and percentage of the relevant intersections logged.	This information release does not report drill sampling or results.

Sub-sampling techniques and sample preparation	If core, whether cut or sawn and whether quarter, half or all core taken.	This information release does not report drill sampling or results.
	If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.	This information release does not report drill sampling or results.
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	The samples from the trench were collected as channel samples comprised of rock-chips. The bagged samples were sent to SGS Lubumbashi (DRC) where they were crushed and pulverized to a pulp. A 120g subset was split from the pulp and sent to SGS Randfontein (RSA) for analytical determination.
	Quality control procedures adopted for all subsampling stages to maximise representivity of samples.	Standard sub-sampling procedures are utilized by SGS 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	No duplicate sampling has been undertaken for the trenching program. In-house laboratory duplicates have been relied upon. For first-pass reconnaissance sampling this is adequate.
	Whether sample sizes are appropriate to the grain size of the material being sampled.	Sampling of pegmatites is problematic because of the varying, and frequently very coarse grain size. Of all the field surface sampling methods, channel sampling is considered to give the most reliable indication of the mineralization present as the resultant sample may incorporate a broader range of pegmatite material. The 2kg-3kg mass of the samples is appropriate to the sampling methodology and the material being sampled.
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.	The rock-chip channel samples from the trenches were submitted to SGS Randfontein (Johannesburg) and analysed using method ICP90A. This consists of a Sodium Peroxide Fusion followed by dissolution of the fused mass by dilute acid and finally determination of elemental concentrations using combined ICP-OES and ICP-MS methods.  Sodium Peroxide Fusion is a total digest and considered the preferred method of assaying pegmatite samples.
	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.	There were no geophysical tools, spectrometers, handheld XRF instruments used.
	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.	As sampling undertaken was of a first pass nature, laboratory introduced standards, blanks and repeats were relied upon.
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.	This information release does not report drill sampling or results.
	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.	Samples were assayed for a suite of 54 elements but the presented data has been reduced to include Li, Sn, Ta and Nb. In addition Li <sub>2</sub> O has been included. It has been calculated from the reported assay result for Li in ppm.

		The calculation is $\%Li_2O = (ppmLi \times 2.153)/10000$ and the results have been rounded to the second decimal place.
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 start-point, end-point and bends in the trenches have been surveyed using handheld GPS devices, giving an accuracy of +/- 3m in open-ground.
	Specification of the grid system used.	WGS_84 UTM Zone 35S
	Quality and adequacy of topographic control.	No survey has been undertaken. Hand held GPS coordinates have been utilized to locate sampling to date
Data spacing and distribution	Data spacing for reporting of Exploration Results.	Sampling undertaken to date was of a reconnaissance nature and wide spread along specific structures.
	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.	Not applicable as no resource estimation. Sampling undertaken to date was of a reconnaissance nature and wide spread along geologic bodies.
	Whether sample compositing has been applied.	By their nature, channel samples are composite samples
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.	Not applicable to the current sampling.
	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.	This information release does not report drill sampling or results.
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 SGS Randfontein.
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.	The Manono licence has been recently awarded as a Research Permit PR 13359 issued on the 28th December 2016 and valid for 5 years. All indigenous title is cleared and there are no other known historical or environmentally sensitive areas. A PAR environmental report has been lodged and is awaiting clearance from the Government department responsible for this, CAMI
	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.	See above, no other known impediments.
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>



<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> <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> <p>If the exclusion of this information is</p>	<p>This information release does not report drill sampling or results.</p> <p>This information release does not report drill sampling or</p>

	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.	results.
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.	All results being reported for trenches are based on 2 metre interval lengths and have had sample intervals selected by AVZ personnel based on geological intervals and boundaries. No top cut has been applied. A general bottom cut of 0.25% Li <sub>2</sub> O has been imposed for any aggregated assay interval reported where that aggregated assay interval is less than 10m in length and less than 0.25% Li <sub>2</sub> O. No geostatistical methods were employed in applying the bottom cut. At this stage it is considered that an insufficient data set has been collected to allow geostatistical methods of any relevance. Methodology will change as the collected dataset increases
	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.	All assays reported are weighted averaged to the Individual sample lengths combined over the interval.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	No metal equivalent values reported. No topcut has been applied .
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 historic core holes were drilled at -90 dip to intercept mineralisation generally dipping -30 to sub-horizontal. Recorded intercept lengths will therefore be greater than true width of mineralisation. Given the widely spaced reconnaissance nature of the current drilling the geometry of the mineralisation reported is not known and true width is not known. Current surface sampling results within trenches were generally oriented perpendicular to the pegmatite strike and as such are generally collected at 2 metres across strike width.
	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').	As above.
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.	Refer to this press release body of text
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.	Due to the nature of the hitsoirc drilling and lack of adequate records and survey control data available, they are to be considered indicative only and not material.

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.	No further data available.
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).	Further work will include mapping, soil sampling and bed rock sampling for geochemical anomalies to identify prospective target zones and then RC and Diamond drill testing of the higher priority targets. Diamond drilling will be included in subsequent phases of drilling.
	Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	These will be provided when drilling is reported.