



ASX ANNOUNCEMENT

19 February 2019

Remarkable Drill Results Confirm Carriere de l'Este Prospect as an Additional Potentially Massive World Class Lithium Project to Rival the Roche Dure Deposit with Intercepts Including 89.0m* @ 2.01% Li₂O & 348ppm Sn

Highlights

- AVZ's initial drilling at Carriere de l'Este confirms widespread, high-grade spodumene lithium mineralisation over thick intersections.
- The Carriere de l'Este prospect is some ~5km along strike north-east of the Company's Roche Dure Project and forms part of its Manono world class lithium project where the Company is currently working on a DFS expected to be completed in Q2, 2019.
- The pegmatites at Carriere de l'Este are shallower dipping than Roche Dure with an average dip of -25° to -30° SE. The strike of the main upper pegmatite is confirmed at 1500 metres long and up to 200m* thick in places.
- Results from 4 out of 6 wide spaced reconnaissance drill holes received so far, indicate the possibility of another significant lithium deposit with shallow high-grade zones greater than 2.0% Li₂O present within wider zones of well mineralised spodumene pegmatite.
- Multiple "stacked" thinner pegmatites underlie the main, thick Carriere de l'Este pegmatite with higher grades present nearer the surface and lithium grades tending to reduce below 200 metres vertical depth.

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

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Managing Director: Nigel Ferguson
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Non-Executive Director: Hongliang Chen
Non-Executive Director: Guy Loando

Issued Capital

1,888 M Ordinary Shares

Market Cap

\$72 M

ASX Code: AVZ

AVZ's Managing Director Mr Nigel Ferguson commented: "The wide spaced reconnaissance drilling completed in late 2018 at Carriere de l'Este has confirmed the presence of thick, high-grade spodumene bearing pegmatite under thin alluvial cover between the original hole drilled there in mid-2017 (MO17DD007 250.93m* @ 1.48% Li₂O and 913ppm Sn – press release dated 18th September 2017) and the high-grade surface outcrop mapped and sampled in December 2017 on section 21,200mN (with grab samples ranging from 1.43% Li₂O to 4.46% Li₂O) – press release dated Dec 22nd 2017.

The exciting near surface, high-grade zones of this flat dipping deposit, coupled with strong surface mineralisation noted from mapping and these new drill results, have extended the strike of the deposit to at least 1.5 kilometres long and there is no evidence to suggest it does not continue under cover towards the Tempete pegmatite some 2 kilometres to the southwest. This exciting new discovery confirms Carriere de l'Este as a significant lithium deposit to potentially exceed the Roche Dure deposit."

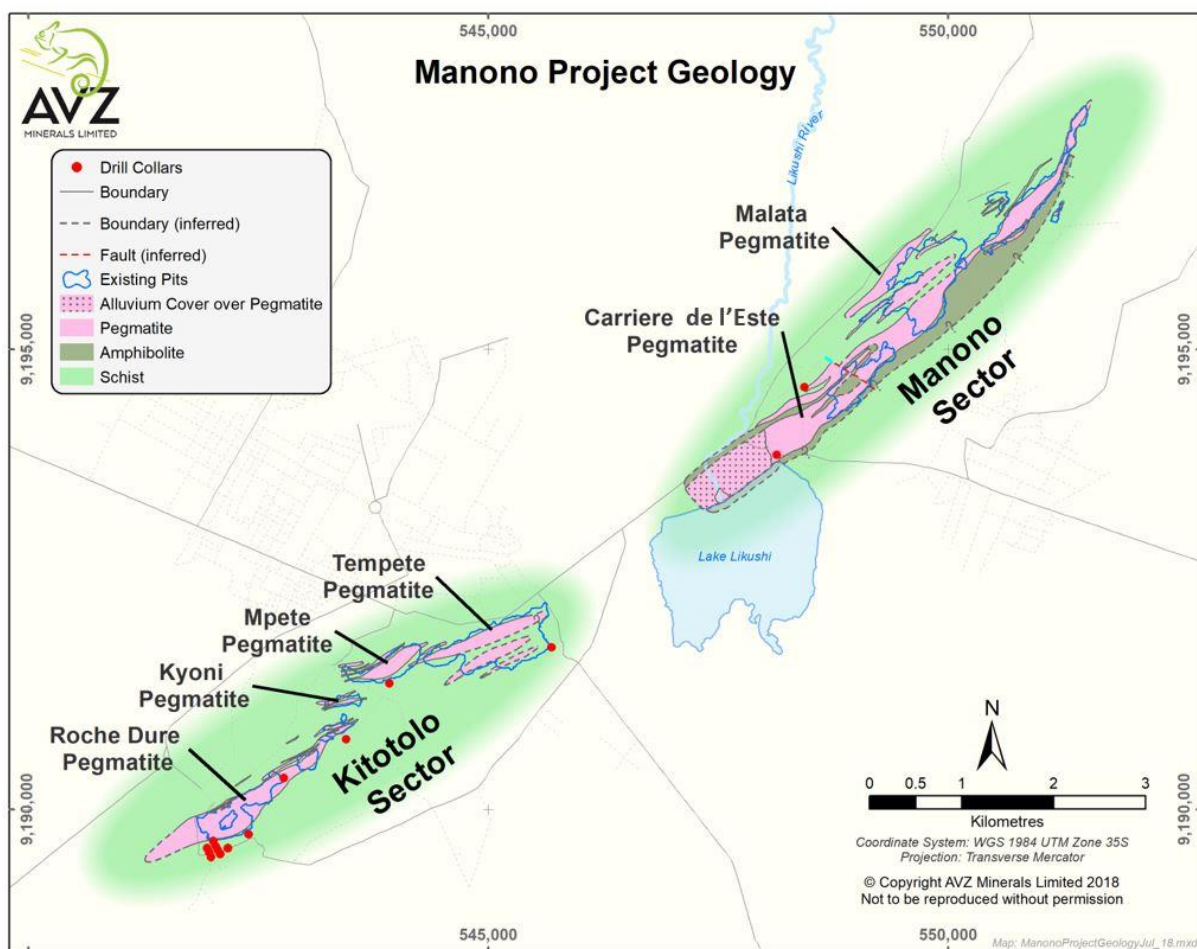


Figure 1: Manono Project – Location of Pegmatites within the Project area

AVZ Minerals Limited (ASX: AVZ) is pleased to report it has received further strong results from its Mineral Resource drilling at the Manono Lithium Project in the Democratic Republic of Congo. It has received results from the first 4 diamond drill holes (Figure 2) at Carriere de l'Este.

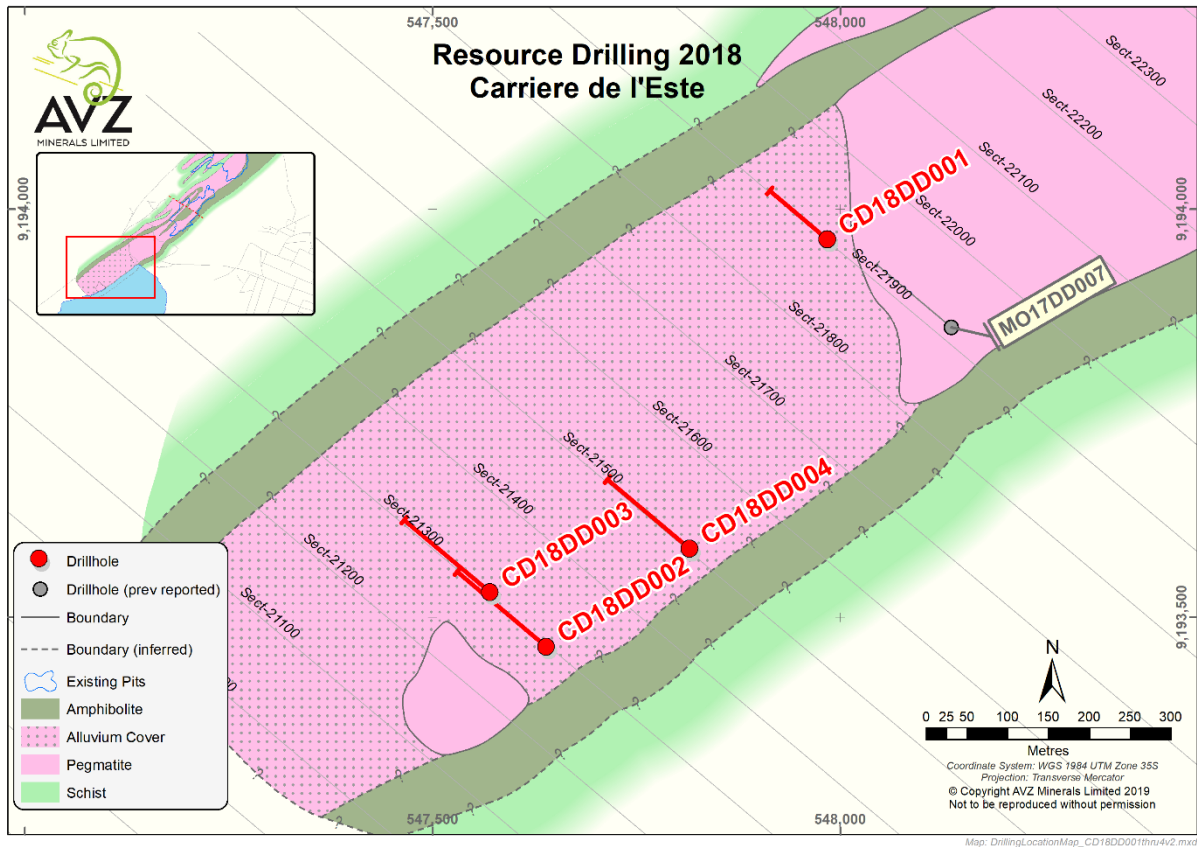


Figure 2: Locations of drill holes CD18DD001, 002, 003 and CD18DD004

Results from the 4 holes are detailed in the table below.

Hole I.D.	Section	Intersections of the Roche Dure pegmatite
CD18DD001	21900mN	<p>5.9m – 27.6m; 21.7m @ 0.02%Li₂O & 307ppm Sn (with 0.65m of internal waste and 2.18m core loss)</p> <p>54.55 – 81.25; 26.7m @ 0.04%Li₂O & 767ppm Sn (with 0.23m of core loss)</p> <p>102.0m – 118.6m; 16.6m @ 0.58%Li₂O & 2,934ppm Sn (with 1.5m of core loss)</p> <p>131.4m – 185.8m; 64.4m @ 0.79%Li₂O & 867ppm Sn (with 1.2m of core loss)</p> <p>205.9m – 239.0m; 33.1m @ 0.68%Li₂O & 621ppm Sn (with 2.2m of core loss)</p>
CD18DD002	21300mN	<p>10.65m – 174.18m; 163.53m @ 1.77%Li₂O & 336ppm Sn (with 0.77m of internal waste) and including 36.0m – 125.0m; 89.00m @ 2.01%Li₂O & 348ppm Sn</p> <p>182.41m – 220.23m; 37.82m @ 1.18%Li₂O & 878ppm Sn (with 4.56m of core loss)</p> <p>227.6m – 244.6m; 17.0m @ 1.69%Li₂O & 1,113ppm Sn and including 227.6m – 234.0m; 6.4m @ 2.7%Li₂O & 983ppm Sn</p> <p>252.87m – 263.91m; 11.04m @ 1.41%Li₂O & 845ppm Sn (with 0.43m of core loss)</p> <p>277.27m – 334.69m; 57.42m @ 1.01%Li₂O & 546ppm Sn</p> <p>348.69m – 364.7m; 16.01m @ 0.05%Li₂O & 99ppm Sn (with 6.24m of core loss) and</p> <p>385.35m – 395.49m; 10.14m @ 0.21%Li₂O & 998ppm Sn (with 0.35m of internal waste)</p>
CD18DD003	21300mN	<p>8.3m – 191.0m; 182.7m @ 1.69%Li₂O & 542ppm Sn and including 8.3m – 67.0m; 58.7m @ 2.06%Li₂O & 731ppm Sn</p> <p>195.22m – 234.4m; 39.18m @ 1.18%Li₂O & 1,148ppm Sn (with 1.83m of core loss) and including 208.31m – 217.0m; 8.69m @ 2.24%Li₂O & 1,168ppm Sn</p> <p>256.47m – 282.85m; 26.38m @ 0.05%Li₂O & 247ppm Sn</p> <p>295.86m – 312.62m; 16.76m @ 0.02%Li₂O & 144ppm Sn</p> <p>320.70m – 329.10m; 8.4m @ 0.01%Li₂O & 47ppm Sn (with 4.55m of core loss) and</p> <p>331.00m – 374.70m; 43.70m @ 0.02%Li₂O & 242ppm Sn (with 2.52m of core loss)</p>
CD18DD004	21500mN	<p>27.66m – 155.34m; 127.68m @ 1.70%Li₂O & 427ppm Sn and including 52.0m – 88.0m; 36.0m @ 2.01%Li₂O & 466ppm Sn</p> <p>158.86m – 195.67m; 36.81m @ 1.31%Li₂O & 1,041ppm Sn and including 161.0m – 173.0m; 12.0m @ 2.0%Li₂O & 1,151ppm Sn</p> <p>199.24m – 209.71m; 10.47m @ 1.67%Li₂O & 1,679ppm Sn and including 200.0m – 204.0m; 4.0m @ 2.74%Li₂O & 1,239ppm Sn</p>

	<p>221.6m – 260.0m; 38.4m @ 0.14%Li₂O & 367ppm Sn</p> <p>260.0m – 287.7m; 27.7m @ 1.42%Li₂O & 600ppm Sn and including 261.0m – 268.0m; 7.0m @ 2.23%Li₂O & 895ppm Sn</p> <p>298.5m – 307.4m; 8.9m @ 1.79%Li₂O & 485ppm Sn and including 299.0m – 305.0m; 6.0m @ 2.03%Li₂O & 648ppm Sn</p> <p>311.85 – 316.94m; 5.09m @ 0.85%Li₂O & 717ppm Sn</p> <p>331.87m – 339.0m; 7.13m @ 0.09%Li₂O & 111ppm Sn</p> <p>350.2m – 355.29m; 5.09m @ 0.07%Li₂O & 315ppm Sn</p>
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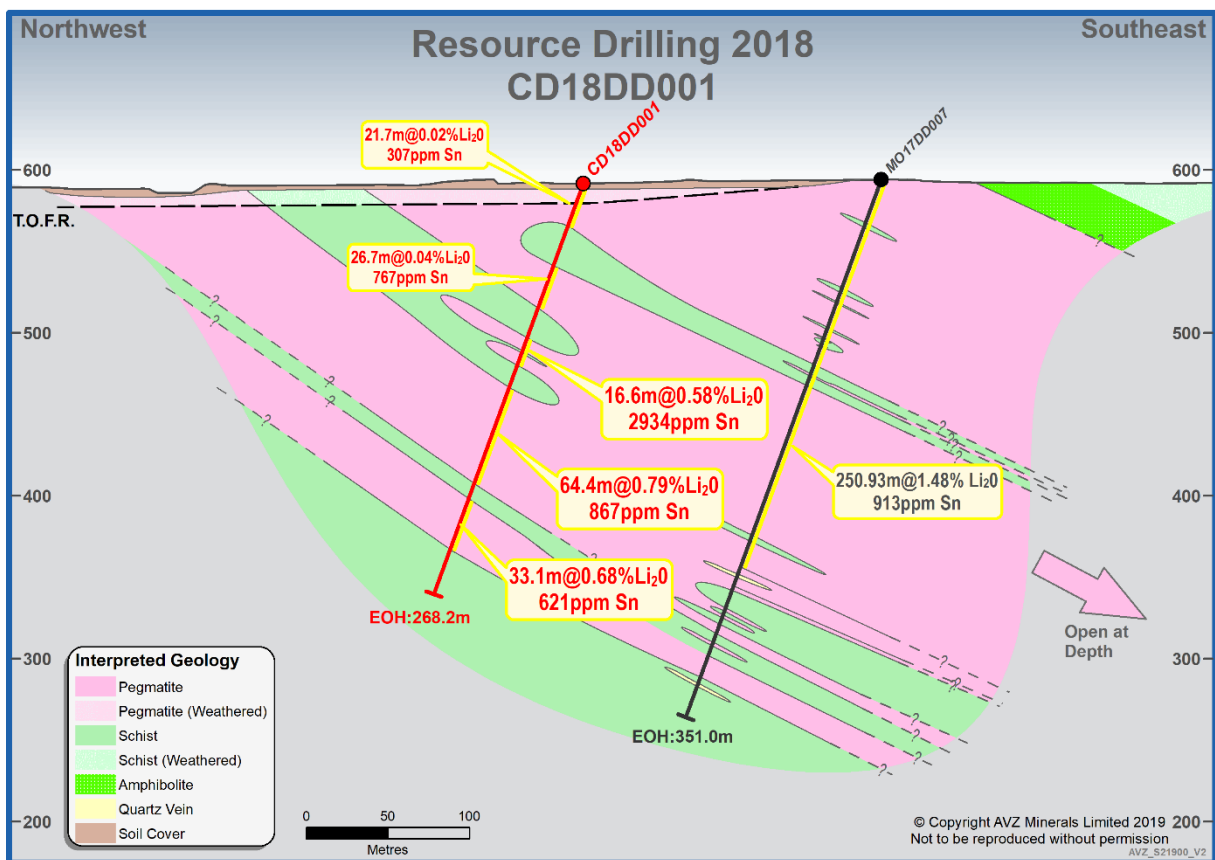


Figure 3: Intersections achieved by CD18DD001 on section 21900mN

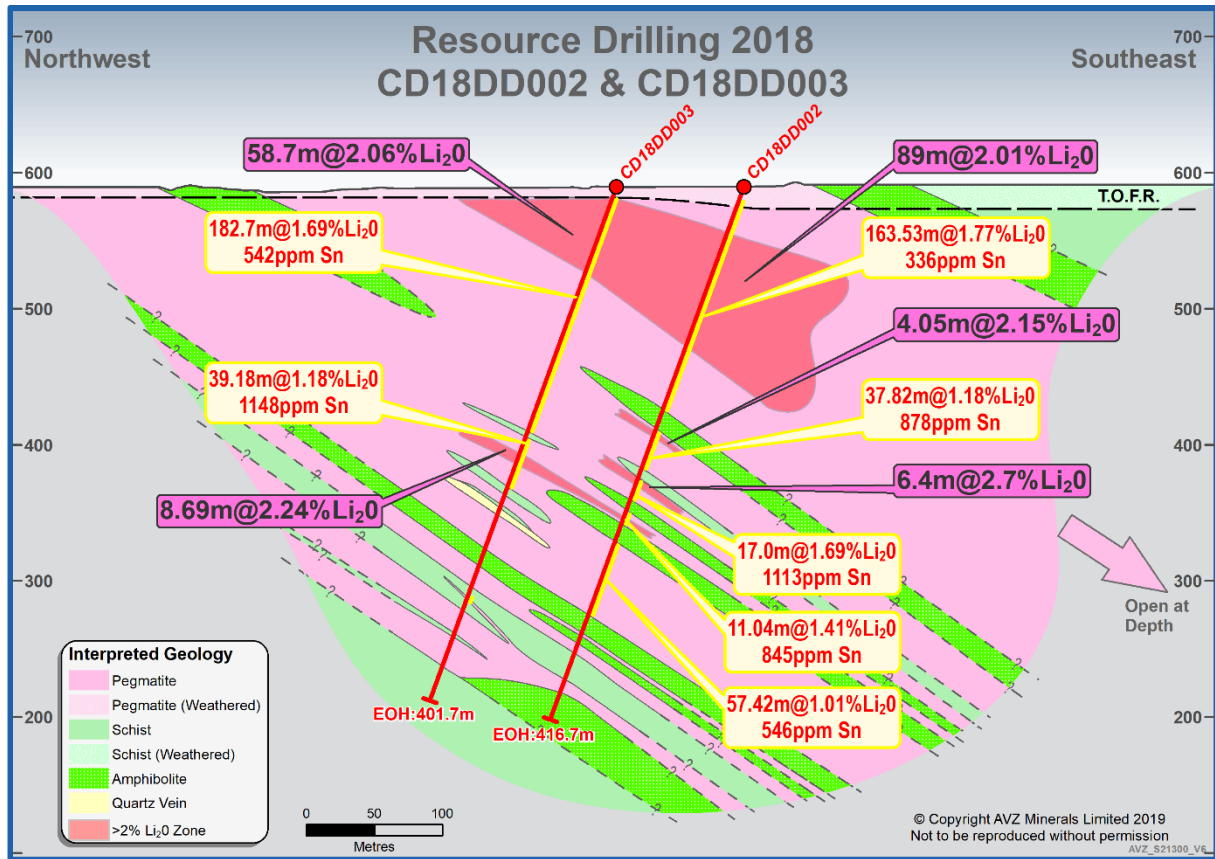


Figure 4: Intersections achieved by CD18DD002 and CD18DD003 drilled on section 21300mN

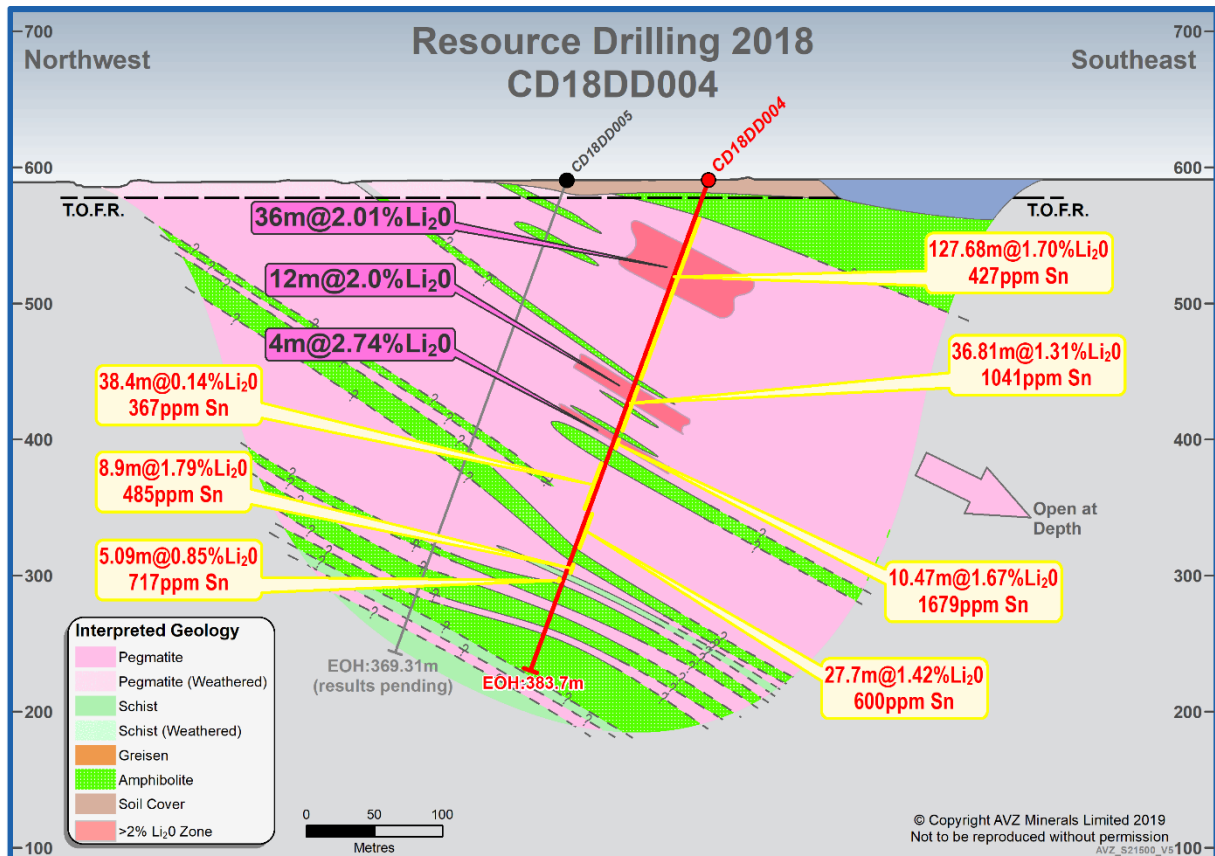


Figure 5: Intersections achieved by CD18DD004 drilled on section 21500mN

Conceptual Exploration Target Tonnage and Grade

Given the size and mineralised nature of the pegmatites at Carriere de l'Este, the Company has generated an exploration target tonnage and grade of between 400 and 600Mt at grade between 1.5% to 1.70% Li₂O within spodumene mineralised pegmatite. 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. No other exploration data is available. Wide spaced reconnaissance drilling along with surface mapping and sampling is being used for geological understanding and future drill planning. There has been insufficient exploration completed to date to prepare a JORC compliant mineral resource. The company intends to complete a drilling program to enable drill definition of Mineral Resources to JORC 2012 standard as stated above.

This target has been based on detailed prospect scale mapping, some 12 surface chip samples of the pegmatite ranging in grade from a minimum of 1.43% Li₂O to a maximum of 4.46% Li₂O for the 12 samples collected from fresh pegmatite within the spillway of the Likushi dam some 750m south of drill hole MO17DD007 where no lithium minerals other than spodumene were observed (reported December 2017); 4 surface trenches of the pegmatite and some 1,475 assay samples from 5 completed diamond drill holes (Figure 2) and approximately 2,690m of detailed logs relating to diamond core drilling from the 7 drill holes as completed to-date (Figures 4 to 5).

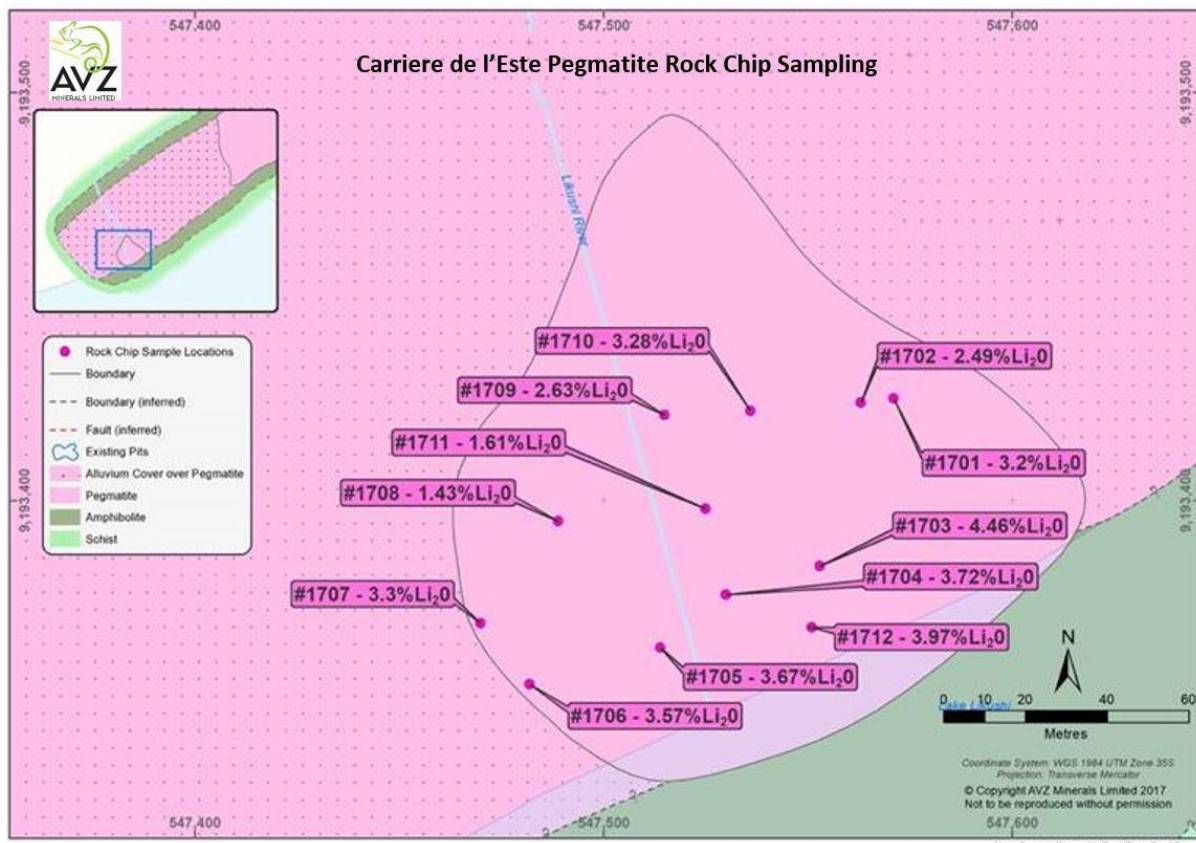


Figure 6: Rock Chip results Carrier de l'Este Spillway of Lukushi Dam. 750m South of hole MO17DD007

The estimation is calculated utilising the following parameters: mapped strike length of between 1,500 and 3,000m; thickness as defined in drilling to date of between 200 and 240m; depth down dip of between 350m and 425m; an estimated specific gravity based on significant work completed at Roche Dure to date of between 2.65 and 2.8 g/cm³ and a grade indicated from assay results reported so far of between 1.3 and 1.7% Li₂O in diamond drill core. In addition, and specifically related to Carriere de l'Este, a data base of some 912 independently reported assay results from CD18DD001-004, MO17DD007 and geological data logged from 2,690m of drill core from holes CD18DD001-006, MO17DD007.

Drilling of the prospect is planned to take place over the following 3 years, with limited additional drilling works planned for 2019, as the Company's focus is on completion of the DFS for Roche Dure. The Company has planned a 200m line by 100m hole spaced drilling program with 4 drill holes per line, of approximately 36 diamond drill holes for between 9,000 to 12,000m of predominantly PQ (25%) and HQ (75%) diamond core. A first pass program to drill 2 drill holes per line with an approximate total of some 3,600m is scheduled to coincide this year with the present ongoing technical works at Roche Dure and subsequent to closing the present capital raising as being undertaken by the Company.

For further information, visit www.avzminerals.com.au or contact:

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Competent Person's Statement

The information in this report that relates to geology and the exploration results is based on information compiled by Mr. Michael Cronwright, a Competent Person whom is a fellow of The Geological Society of South Africa and Pr. Sci. Nat. (Geological Sciences) registered with the South African Council for Natural Professions. Mr. Cronwright is a full-time employee of The MSA Group Pty Ltd. Mr Cronwright 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. Cronwright consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this report that relates to conceptual exploration targets is based on information compiled by the Company and reviewed by Mr. Nigel Ferguson, Managing Director of AVZ Minerals Limited, a Competent Person whom is a Fellow of The Australian Institute of Mining and Metallurgy and a Member of the Geological Society of Australia. Mr. Ferguson is a Director and consultant of AVZ Minerals Limited. Mr Ferguson 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. Ferguson consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Appendix 1
Collar Table for holes CD18DD001, 002, 003 and CD18DD004

Drill Hole_ID	Drilling Method	Section Line	Easting (mE)	Northing (mN)	Elevation (m)	Datum	Zone	Dip (degrees)	Azimuth (mag degrees)	EOH (m)
CD18DD001	DDH	21900	547983.6	9193963.1	607.1	WGS84	35S	-71	311	268.2
CD18DD002	DDH	21300	547639.3	9193464.0	605.1	WGS84	35S	-70	310	416.7
CD18DD003	DDH	21300	547570.2	9193530.6	604.9	WGS84	35S	-70	310	401.7
CD18DD004	DDH	21500	547814.7	9193584.2	606.3	WGS84	35S	-70	310	383.7

Appendix 2
Down-hole Survey Table CD18DD001, 002, 003 and CD18DD004

Hole_ID	Depth (m)	Inclination (deg)	Azimuth (deg)
CD18DD001	60	-71	311
CD18DD001	90	-71	310
CD18DD001	120	-70	309
CD18DD001	150	-71	310
CD18DD001	180	-70	310
CD18DD001	210	-70	310
CD18DD001	240	-69	310
CD18DD001	267	-69	309
CD18DD002	0	-70	310
CD18DD002	30	-70	312
CD18DD002	60	-69	310
CD18DD002	90	-69	312
CD18DD002	120	-68	312
CD18DD002	150	-67	313
CD18DD002	180	-66	312
CD18DD002	210	-66	312
CD18DD002	240	-65	313
CD18DD002	270	-66	313
CD18DD002	300	-63	313
CD18DD002	330	-62	314
CD18DD002	360	-61	313
CD18DD002	390	-60	314
CD18DD002	416	-59	315
CD18DD003	0	-70	310
CD18DD003	10	-70	305
CD18DD003	40	-70	306
CD18DD003	70	-70	306
CD18DD003	100	-69	308
CD18DD003	130	-69	309
CD18DD003	160	-69	309
CD18DD003	190	-69	309
CD18DD003	220	-69	311
CD18DD003	250	-69	311
CD18DD003	280	-69	312
CD18DD003	310	-68	313
CD18DD003	340	-68	312

CD18DD003	370	-68	312
CD18DD003	401	-68	311
CD18DD004	0	-70	310
CD18DD004	23	-68	301
CD18DD004	53	-68	302
CD18DD004	83	-68	303
CD18DD004	113	-67	304
CD18DD004	143	-67	305
CD18DD004	173	-67	305
CD18DD004	203	-66	306
CD18DD004	233	-66	305
CD18DD004	263	-65	305
CD18DD004	293	-65	305
CD18DD004	323	-65	305
CD18DD004	353	-64	305
CD18DD004	383	-63	303

Appendix 3
Assay Results for holes CD18DD001, 002, 003 and CD18DD004

Drill Hole ID	From (m)	To (m)	Lithology	DH Samp ID	Li2O (%)	Sn (ppm)
CD18DD001	0.00	5.90	Soil	NS_CD001		
CD18DD001	5.90	7.00	Peg	20001	0.07	525
CD18DD001	7.00	8.00	Peg	20002	0.05	620
CD18DD001	8.00	9.00	Peg	20003	0.04	2110
CD18DD001	9.00	10.25	Peg	20004	0.02	814
CD18DD001	10.25	10.45	LC	NS_CD_1		
CD18DD001	10.45	11.20	Peg	20005	0.01	210
CD18DD001	11.20	11.40	LC	NS_CD_2		
CD18DD001	11.40	12.00	Peg	20006	0.01	158
CD18DD001	12.00	13.00	Peg	20007	0.01	88
CD18DD001	13.00	14.00	Peg	20008	0.02	369
CD18DD001	14.00	14.50	Peg	20009	0.01	243
CD18DD001	14.50	14.75	LC	NS_CD_3		
CD18DD001	14.75	15.40	Lat	20011		
CD18DD001	15.40	15.60	LC	NS_CD_4		
CD18DD001	15.60	16.15	Peg	20012	0.01	146
CD18DD001	16.15	16.35	LC	NS_CD_5		
CD18DD001	16.35	17.00	Peg	20013	0.01	173
CD18DD001	17.00	17.35	Peg	NS_CD_6		
CD18DD001	17.35	18.30	Peg	20014	0.01	37
CD18DD001	18.30	18.80	LC	NS_CD_7		
CD18DD001	18.80	19.05	Peg	20016	0.02	30
CD18DD001	19.05	19.20	LC	NS_CD_8		
CD18DD001	19.20	20.00	Peg	20017	0.00	44
CD18DD001	20.00	21.00	Peg	20018	0.01	81
CD18DD001	21.00	22.00	Peg	20019	0.01	30
CD18DD001	22.00	23.00	Peg	20020	0.01	41
CD18DD001	23.00	24.00	Peg	20021	0.02	111
CD18DD001	24.00	25.00	Peg	20022	0.02	106
CD18DD001	25.00	26.29	Peg	20023	0.01	100
CD18DD001	26.29	26.42	Peg	NS_CD_9		

CD18DD001	26.42	27.00	Peg	20024	0.02	90
CD18DD001	27.00	27.60	Peg	20026	0.01	15
CD18DD001	27.60	28.60	Peg	20027	0.03	53
CD18DD001	28.60	48.35	HMs	NS_CD_10		
CD18DD001	48.35	49.35	HMs	20028		
CD18DD001	49.35	50.00	Grs	20029	0.02	873
CD18DD001	50.00	50.80	HMs	20031		
CD18DD001	50.80	54.10	HMs	NS_CD_11		
CD18DD001	54.10	54.55	HMs	20032		
CD18DD001	54.55	55.50	Grs	20033	0.03	3440
CD18DD001	55.50	56.00	Peg	20034	0.01	1960
CD18DD001	56.00	57.00	Peg	20036	0.01	140
CD18DD001	57.00	58.00	Peg	20037	0.01	198
CD18DD001	58.00	59.27	Peg	20038	0.01	142
CD18DD001	59.27	59.50	Peg	NS_CD_12		
CD18DD001	59.50	60.00	Peg	20039	0.01	352
CD18DD001	60.00	61.00	Peg	20040	0.01	2510
CD18DD001	61.00	62.00	Peg	20041	0.01	954
CD18DD001	62.00	63.00	Peg	20042	0.01	608
CD18DD001	63.00	64.00	Peg	20043	0.01	300
CD18DD001	64.00	65.00	Peg	20044	0.01	2530
CD18DD001	65.00	66.00	Peg	20045	0.02	418
CD18DD001	66.00	67.00	Peg	20046	0.01	286
CD18DD001	67.00	68.00	Peg	20047	0.01	697
CD18DD001	68.00	69.00	Peg	20048	0.02	920
CD18DD001	69.00	70.00	Peg	20049	0.01	179
CD18DD001	70.00	71.00	Peg	20051	0.01	122
CD18DD001	71.00	72.00	Peg	20052	0.02	58
CD18DD001	72.00	73.00	Peg	20053	0.02	107
CD18DD001	73.00	74.00	Peg	20054	0.04	266
CD18DD001	74.00	75.00	Peg	20056	0.08	1080
CD18DD001	75.00	76.00	Peg	20057	0.41	242
CD18DD001	76.00	77.00	Peg	20058	0.02	190
CD18DD001	77.00	78.00	Peg	20059	0.02	261
CD18DD001	78.00	79.00	Peg/Grs	20060	0.05	1450
CD18DD001	79.00	80.00	Grs	20061	0.12	1130
CD18DD001	80.00	81.25	Peg	20062	0.05	834
CD18DD001	81.25	82.25	HMs	20063		
CD18DD001	82.25	101.00	HMs	NS_CD_13		
CD18DD001	101.00	102.00	HMs	20064		
CD18DD001	102.00	103.00	Peg	20066	0.08	789
CD18DD001	103.00	104.00	Peg	20067	0.04	1010
CD18DD001	104.00	105.00	Peg	20068	0.03	892
CD18DD001	105.00	106.00	Peg	20069	0.02	1040
CD18DD001	106.00	107.00	Peg	20071	0.00	683
CD18DD001	107.00	108.00	Peg	20072	0.01	498
CD18DD001	108.00	109.20	Peg	20073	0.63	1280
CD18DD001	109.20	110.70	HMs	20074		
CD18DD001	110.70	112.00	Peg	20076	1.64	2350
CD18DD001	112.00	113.00	Peg	20077	0.35	321
CD18DD001	113.00	114.00	Peg	20078	0.69	142
CD18DD001	114.00	115.00	Peg	20079	2.41	889
CD18DD001	115.00	116.00	Peg	20080	1.89	442
CD18DD001	116.00	117.00	Peg	20081	1.00	1370
CD18DD001	117.00	118.00	Peg	20082	0.24	10000

CD18DD001	118.00	118.60	Peg	20083	0.08	43400
CD18DD001	118.60	119.60	HMs	20084		
CD18DD001	119.60	130.40	HMs	NS_CD_14		
CD18DD001	130.40	131.40	HMs	20085		
CD18DD001	131.40	132.00	Grs	20086	0.08	272
CD18DD001	132.00	133.00	Grs	20087	0.11	233
CD18DD001	133.00	134.00	Peg	20088	1.86	318
CD18DD001	134.00	135.00	Peg	20089	2.86	541
CD18DD001	135.00	136.00	Peg	20091	2.45	1160
CD18DD001	136.00	137.00	Peg	20092	3.05	261
CD18DD001	137.00	138.00	Peg	20093	1.97	1060
CD18DD001	138.00	139.00	Peg	20094	1.30	286
CD18DD001	139.00	140.00	Peg	20096	0.84	1240
CD18DD001	140.00	141.00	Peg	20097	0.43	731
CD18DD001	141.00	142.00	Peg	20098	1.66	595
CD18DD001	142.00	143.00	Peg	20099	1.48	773
CD18DD001	143.00	144.00	Peg	20100	1.04	648
CD18DD001	144.00	145.00	Peg	20101	0.74	978
CD18DD001	145.00	146.00	Peg	20102	0.05	753
CD18DD001	146.00	147.00	Peg	20103	0.73	860
CD18DD001	147.00	148.00	Peg	20104	2.25	883
CD18DD001	148.00	149.00	Peg	20106	1.81	516
CD18DD001	149.00	150.00	Peg	20107	2.44	506
CD18DD001	150.00	151.00	Peg	20108	0.46	869
CD18DD001	151.00	152.00	Peg	20109	0.81	615
CD18DD001	152.00	153.00	Peg	20111	0.45	917
CD18DD001	153.00	154.00	Peg	20112	0.03	1660
CD18DD001	154.00	155.00	Peg	20113	0.05	1020
CD18DD001	155.00	156.00	Peg	20114	0.05	1680
CD18DD001	156.00	157.00	Peg	20116	0.05	1380
CD18DD001	157.00	158.00	Peg	20117	0.04	2300
CD18DD001	158.00	159.00	Peg	20118	0.05	595
CD18DD001	159.00	160.00	Peg	20119	0.44	1010
CD18DD001	160.00	161.00	Peg	20120	0.12	842
CD18DD001	161.00	162.00	Peg	20121	1.92	1140
CD18DD001	162.00	163.00	Peg	20122	0.07	674
CD18DD001	163.00	164.00	Peg	20123	0.26	2190
CD18DD001	164.00	165.00	Peg	20124	0.07	1070
CD18DD001	165.00	166.00	Peg	20125	0.65	833
CD18DD001	166.00	167.00	Peg	20126	0.98	1510
CD18DD001	167.00	168.00	Peg	20127	0.89	1220
CD18DD001	168.00	169.00	Peg	20128	0.90	1180
CD18DD001	169.00	170.00	Peg	20129	1.71	904
CD18DD001	170.00	171.00	Peg	20131	0.04	716
CD18DD001	171.00	172.00	Peg	20132	0.54	699
CD18DD001	172.00	173.00	Peg	20133	0.72	1170
CD18DD001	173.00	174.00	Peg	20134	0.84	845
CD18DD001	174.00	174.90	Peg	20136	0.07	593
CD18DD001	174.90	176.10	HMs	20137		
CD18DD001	176.10	177.00	Peg	20138	0.76	1110
CD18DD001	177.00	178.00	Peg	20139	0.85	1460
CD18DD001	178.00	179.00	Peg	20140	1.95	510
CD18DD001	179.00	180.00	Peg	20141	0.68	762
CD18DD001	180.00	181.00	Peg	20142	0.03	616
CD18DD001	181.00	182.00	Peg	20143	0.05	811

CD18DD001	182.00	183.00	Peg	20144	0.07	905
CD18DD001	183.00	184.00	Peg	20146	0.03	738
CD18DD001	184.00	185.00	Peg	20147	1.52	767
CD18DD001	185.00	186.00	Peg	20148	0.03	710
CD18DD001	186.00	187.00	Peg	20149	0.06	671
CD18DD001	187.00	188.00	Peg	20151	0.03	819
CD18DD001	188.00	189.00	Peg	20152	0.98	690
CD18DD001	189.00	190.00	Peg	20153	0.05	729
CD18DD001	190.00	191.00	Peg	20154	0.03	1000
CD18DD001	191.00	192.00	Peg	20156	1.63	1010
CD18DD001	192.00	193.00	Peg	20157	1.32	926
CD18DD001	193.00	194.00	Peg	20158	1.48	1200
CD18DD001	194.00	195.00	Peg	20159	0.22	217
CD18DD001	195.00	195.80	Peg	20160	0.05	267
CD18DD001	195.80	197.00	HMs	20161		
CD18DD001	197.00	204.90	HMs	NS_CD_15		
CD18DD001	204.90	205.90	HMs	20162		
CD18DD001	205.90	207.00	Peg	20163	0.08	170
CD18DD001	207.00	208.00	Peg	20164	0.08	91
CD18DD001	208.00	209.00	Peg	20165	0.30	824
CD18DD001	209.00	210.00	Peg	20166	0.29	1080
CD18DD001	210.00	211.00	Peg	20167	1.97	1090
CD18DD001	211.00	212.00	Peg	20168	2.11	957
CD18DD001	212.00	213.00	Peg	20169	0.79	787
CD18DD001	213.00	214.00	Peg	20171	0.03	1270
CD18DD001	214.00	215.00	Peg	20172	0.77	927
CD18DD001	215.00	216.00	Peg	20173	0.54	2180
CD18DD001	216.00	217.00	Peg	20174	1.43	1130
CD18DD001	217.00	218.00	Peg	20176	2.03	727
CD18DD001	218.00	219.00	Peg	20177	1.46	1050
CD18DD001	219.00	220.00	Peg	20178	2.31	379
CD18DD001	220.00	221.00	Peg	20179	3.09	1050
CD18DD001	221.00	222.00	Peg	20180	1.95	703
CD18DD001	222.00	223.00	Peg	20181	1.86	954
CD18DD001	223.00	224.00	Peg	20182	0.39	846
CD18DD001	224.00	225.00	Peg	20183	0.03	682
CD18DD001	225.00	226.00	Peg	20184	0.10	217
CD18DD001	226.00	227.00	Peg	20186	0.07	64
CD18DD001	227.00	228.00	Peg	20187	0.07	625
CD18DD001	228.00	229.00	Peg	20188	0.06	237
CD18DD001	229.00	230.00	Peg	20189	0.04	1200
CD18DD001	230.00	231.00	Peg	20191	0.04	600
CD18DD001	231.00	232.00	Peg	20192	0.06	119
CD18DD001	232.00	232.80	Peg	20193	0.07	109
CD18DD001	232.80	234.00	HMs	20194		
CD18DD001	234.00	235.00	HMs	20196		
CD18DD001	235.00	236.00	Peg	20197	0.10	144
CD18DD001	236.00	237.00	Peg	20198	0.10	102
CD18DD001	237.00	238.00	Peg	20199	0.10	136
CD18DD001	238.00	239.00	Peg	20200	0.08	97
CD18DD001	239.00	240.00	HMs	20201		
CD18DD001	240.00	241.00	HMs	20202		
CD18DD002	0.00	10.00	Soil	NS_CD02		
CD18DD002	10.00	10.65	Peg	20211		
CD18DD002	10.65	11.27	Peg	20212	0.25	3820

CD18DD002	11.27	11.90	LC	NS_CD2_1		
CD18DD002	11.90	12.66	Peg	20213	2.81	336
CD18DD002	12.66	12.80	LC	NS_CD2_2		
CD18DD002	12.80	14.00	Peg	20214	3.41	507
CD18DD002	14.00	15.00	Peg	20215	2.73	957
CD18DD002	15.00	16.00	Peg	20216	0.93	713
CD18DD002	16.00	17.00	Peg	20217	0.58	177
CD18DD002	17.00	18.00	Peg	20218	2.32	493
CD18DD002	18.00	19.00	Peg	20219	1.98	478
CD18DD002	19.00	20.00	Peg	20221	1.74	295
CD18DD002	20.00	21.00	Peg	20222	1.07	165
CD18DD002	21.00	22.00	Peg	20223	0.81	272
CD18DD002	22.00	23.00	Peg	20224	1.81	236
CD18DD002	23.00	24.00	Peg	20226	0.84	198
CD18DD002	24.00	25.00	Peg	20227	0.51	286
CD18DD002	25.00	26.00	Peg	20228	1.99	192
CD18DD002	26.00	27.00	Peg	20229	2.71	187
CD18DD002	27.00	28.00	Peg	20230	1.34	151
CD18DD002	28.00	29.00	Peg	20231	1.72	167
CD18DD002	29.00	30.00	Peg	20232	2.18	225
CD18DD002	30.00	31.00	Peg	20233	0.96	144
CD18DD002	31.00	32.00	Peg	20234	0.82	193
CD18DD002	32.00	33.00	Peg	20236	2.02	140
CD18DD002	33.00	34.00	Peg	20237	2.11	204
CD18DD002	34.00	35.00	Peg	20238	1.02	517
CD18DD002	35.00	36.00	Peg	20239	0.90	283
CD18DD002	36.00	37.00	Peg	20241	2.58	662
CD18DD002	37.00	38.00	Peg	20242	1.49	267
CD18DD002	38.00	39.00	Peg	20243	1.84	381
CD18DD002	39.00	40.00	Peg	20244	2.28	317
CD18DD002	40.00	41.00	Peg	20246	3.32	327
CD18DD002	41.00	42.00	Peg	20247	2.26	250
CD18DD002	42.00	43.00	Peg	20248	1.88	220
CD18DD002	43.00	44.00	Peg	20249	2.39	189
CD18DD002	44.00	45.00	Peg	20250	1.80	205
CD18DD002	45.00	46.00	Peg	20251	1.06	138
CD18DD002	46.00	47.00	Peg	20252	0.68	176
CD18DD002	47.00	48.00	Peg	20253	0.51	132
CD18DD002	48.00	49.00	Peg	20254	0.65	173
CD18DD002	49.00	50.00	Peg	20255	2.44	381
CD18DD002	50.00	51.00	Peg	20256	3.19	728
CD18DD002	51.00	52.00	Peg	20257	2.66	1240
CD18DD002	52.00	53.00	Peg	20258	1.58	276
CD18DD002	53.00	54.00	Peg	20259	1.57	234
CD18DD002	54.00	55.00	Peg	20261	1.18	179
CD18DD002	55.00	56.00	Peg	20262	0.52	845
CD18DD002	56.00	57.00	Peg	20263	1.41	1210
CD18DD002	57.00	58.00	Peg	20264	2.13	1130
CD18DD002	58.00	59.00	Peg	20266	1.65	904
CD18DD002	59.00	60.00	Peg	20267	0.96	188
CD18DD002	60.00	61.00	Peg	20268	2.17	247
CD18DD002	61.00	62.00	Peg	20269	1.79	372
CD18DD002	62.00	63.00	Peg	20270	1.74	299
CD18DD002	63.00	64.00	Peg	20271	0.53	181
CD18DD002	64.00	65.00	Peg	20272	2.78	327

CD18DD002	65.00	66.00	Peg	20273	3.23	251
CD18DD002	66.00	67.00	Peg	20274	2.32	187
CD18DD002	67.00	68.00	Peg	20276	0.91	200
CD18DD002	68.00	69.00	Peg	20277	1.01	166
CD18DD002	69.00	70.00	Peg	20278	0.60	200
CD18DD002	70.00	71.00	Peg	20279	1.76	418
CD18DD002	71.00	72.00	Peg	20281	2.16	248
CD18DD002	72.00	73.00	Peg	20282	1.78	229
CD18DD002	73.00	74.00	Peg	20283	1.87	351
CD18DD002	74.00	75.00	Peg	20284	2.66	178
CD18DD002	75.00	76.00	Peg	20286	0.84	133
CD18DD002	76.00	77.00	Peg	20287	1.13	331
CD18DD002	77.00	78.00	Peg	20288	3.46	567
CD18DD002	78.00	79.00	Peg	20289	3.64	742
CD18DD002	79.00	80.00	Peg	20290	3.57	561
CD18DD002	80.00	81.00	Peg	20291	3.87	392
CD18DD002	81.00	82.00	Peg	20292	2.99	496
CD18DD002	82.00	83.00	Peg	20293	1.20	389
CD18DD002	83.00	84.00	Peg	20294	1.35	324
CD18DD002	84.00	85.00	Peg	20295	0.84	127
CD18DD002	85.00	86.00	Peg	20296	0.64	126
CD18DD002	86.00	87.00	Peg	20297	0.81	175
CD18DD002	87.00	88.00	Peg	20298	1.19	205
CD18DD002	88.00	89.00	Peg	20299	1.94	439
CD18DD002	89.00	90.00	Peg	20301	2.09	502
CD18DD002	90.00	91.00	Peg	20302	2.50	289
CD18DD002	91.00	92.00	Peg	20303	2.68	276
CD18DD002	92.00	93.00	Peg	20304	1.97	208
CD18DD002	93.00	94.00	Peg	20306	2.66	174
CD18DD002	94.00	95.00	Peg	20307	1.55	213
CD18DD002	95.00	96.00	Peg	20308	1.01	155
CD18DD002	96.00	97.00	Peg	20309	1.33	190
CD18DD002	97.00	98.00	Peg	20310	2.64	268
CD18DD002	98.00	99.00	Peg	20311	2.46	351
CD18DD002	99.00	100.00	Peg	20312	2.11	230
CD18DD002	100.00	101.00	Peg	20313	2.78	288
CD18DD002	101.00	102.00	Peg	20314	1.62	192
CD18DD002	102.00	103.00	Peg	20316	0.79	707
CD18DD002	103.00	104.00	Peg	20317	0.67	90
CD18DD002	104.00	105.00	Peg	20318	0.72	157
CD18DD002	105.00	106.00	Peg	20319	1.83	355
CD18DD002	106.00	107.00	Peg	20321	0.70	188
CD18DD002	107.00	108.00	Peg	20322	1.24	217
CD18DD002	108.00	109.00	Peg	20323	1.98	369
CD18DD002	109.00	110.00	Peg	20324	2.21	357
CD18DD002	110.00	111.00	Peg	20326	2.52	365
CD18DD002	111.00	112.00	Peg	20327	2.74	328
CD18DD002	112.00	113.00	Peg	20328	2.91	302
CD18DD002	113.00	114.00	Peg	20329	3.69	505
CD18DD002	114.00	115.00	Peg	20330	3.18	446
CD18DD002	115.00	116.00	Peg	20331	2.13	269
CD18DD002	116.00	117.00	Peg	20332	1.91	286
CD18DD002	117.00	118.00	Peg	20333	3.92	982
CD18DD002	118.00	119.00	Peg	20334	4.69	460
CD18DD002	119.00	120.00	Peg	20335	3.42	273

CD18DD002	120.00	121.00	Peg	20336	2.69	221
CD18DD002	121.00	122.00	Peg	20337	3.20	277
CD18DD002	122.00	123.00	Peg	20338	2.60	276
CD18DD002	123.00	124.00	Peg	20339	2.34	276
CD18DD002	124.00	125.00	Peg	20341	2.42	307
CD18DD002	125.00	126.00	Peg	20342	0.55	116
CD18DD002	126.00	127.00	Peg	20343	0.69	96
CD18DD002	127.00	128.00	Peg	20344	0.25	60
CD18DD002	128.00	129.00	Peg	20346	0.53	76
CD18DD002	129.00	130.00	Peg	20347	1.69	180
CD18DD002	130.00	131.00	Peg	20348	1.84	161
CD18DD002	131.00	132.00	Peg	20349	2.08	236
CD18DD002	132.00	133.00	Peg	20350	0.92	253
CD18DD002	133.00	134.00	Peg	20351	2.09	260
CD18DD002	134.00	135.00	Peg	20352	3.21	270
CD18DD002	135.00	136.00	Peg	20353	1.08	153
CD18DD002	136.00	137.00	Peg	20354	0.71	107
CD18DD002	137.00	138.00	Peg	20356	2.37	172
CD18DD002	138.00	139.00	Peg	20357	1.10	241
CD18DD002	139.00	140.00	Peg	20358	1.69	336
CD18DD002	140.00	141.00	Peg	20359	1.16	229
CD18DD002	141.00	142.00	Peg	20361	1.63	208
CD18DD002	142.00	143.00	Peg	20362	1.82	137
CD18DD002	143.00	144.00	Peg	20363	2.25	135
CD18DD002	144.00	145.00	Peg	20364	2.28	260
CD18DD002	145.00	146.00	Peg	20366	1.89	226
CD18DD002	146.00	147.00	Peg	20367	1.20	141
CD18DD002	147.00	148.00	Peg	20368	1.35	208
CD18DD002	148.00	149.00	Peg	20369	3.02	418
CD18DD002	149.00	150.00	Peg	20370	3.38	321
CD18DD002	150.00	151.00	Peg	20371	1.47	216
CD18DD002	151.00	152.00	Peg	20372	0.79	176
CD18DD002	152.00	153.00	Peg	20373	0.64	133
CD18DD002	153.00	154.00	Peg	20374	1.40	243
CD18DD002	154.00	155.00	Peg	20375	1.17	142
CD18DD002	155.00	156.00	Peg	20376	0.32	93
CD18DD002	156.00	157.00	Peg	20377	0.69	134
CD18DD002	157.00	158.00	Peg	20378	1.34	224
CD18DD002	158.00	159.00	Peg	20379	1.48	261
CD18DD002	159.00	160.00	Peg	20381	1.82	212
CD18DD002	160.00	161.00	Peg	20382	1.18	261
CD18DD002	161.00	162.00	Peg	20383	1.18	264
CD18DD002	162.00	163.00	Peg	20384	1.45	145
CD18DD002	163.00	164.00	Peg	20386	1.24	155
CD18DD002	164.00	165.00	Peg	20387	1.27	503
CD18DD002	165.00	166.00	Peg	20388	0.88	664
CD18DD002	166.00	167.00	Peg	20389	2.09	406
CD18DD002	167.00	168.00	Peg	20390	1.20	169
CD18DD002	168.00	169.00	Peg	20391	0.92	154
CD18DD002	169.00	170.00	Peg	20392	0.50	541
CD18DD002	170.00	171.00	Peg	20393	1.34	850
CD18DD002	171.00	172.00	Peg	20394	1.88	633
CD18DD002	172.00	173.00	Peg	20396	1.89	1170
CD18DD002	173.00	174.18	Peg	20397	1.02	970
CD18DD002	174.18	175.18	Amph	20398		

CD18DD002	175.18	181.41	Amph	NS_CD2_3		
CD18DD002	181.41	182.41	Amph	20399		
CD18DD002	182.41	183.00	Peg	20401	1.76	6340
CD18DD002	183.00	184.00	Peg	20402	1.51	1840
CD18DD002	184.00	185.20	Peg	20403	0.98	991
CD18DD002	185.20	186.20	Amph	20404		
CD18DD002	186.20	188.00	Amph	NS_CD2_4		
CD18DD002	188.00	188.95	Amph	20406		
CD18DD002	188.95	190.00	Peg	20407	1.98	1060
CD18DD002	190.00	191.00	Peg	20408	2.01	769
CD18DD002	191.00	192.00	Peg	20409	2.84	647
CD18DD002	192.00	193.00	Peg	20410	1.76	849
CD18DD002	193.00	194.00	Peg	20411	1.43	1360
CD18DD002	194.00	195.00	Peg	20412	1.40	963
CD18DD002	195.00	196.00	Peg	20413	1.68	851
CD18DD002	196.00	197.00	Peg	20414	1.48	957
CD18DD002	197.00	198.00	Peg	20415	1.95	646
CD18DD002	198.00	199.35	Peg	20416	1.31	635
CD18DD002	199.35	200.16	Amph	20417		
CD18DD002	200.16	201.00	Peg	20418	0.29	194
CD18DD002	201.00	202.00	Peg	20419	0.08	106
CD18DD002	202.00	203.00	Peg	20421	0.04	507
CD18DD002	203.00	204.00	Peg	20422	0.24	316
CD18DD002	204.00	205.00	Peg	20423	0.19	177
CD18DD002	205.00	206.00	Peg	20424	0.14	980
CD18DD002	206.00	207.00	Peg	20426	1.50	1500
CD18DD002	207.00	208.00	Peg	20427	1.07	1440
CD18DD002	208.00	209.00	Peg	20428	1.63	972
CD18DD002	209.00	210.00	Peg	20429	1.44	885
CD18DD002	210.00	211.00	Peg	20430	1.65	785
CD18DD002	211.00	212.00	Peg	20431	2.20	953
CD18DD002	212.00	213.00	Peg	20432	1.04	1430
CD18DD002	213.00	214.00	Peg	20433	2.12	933
CD18DD002	214.00	215.00	Peg	20434	2.73	445
CD18DD002	215.00	216.00	Peg	20436	1.70	955
CD18DD002	216.00	217.00	Peg	20437	1.53	946
CD18DD002	217.00	218.00	Peg	20438	1.21	477
CD18DD002	218.00	219.00	Peg	20439	1.07	1360
CD18DD002	219.00	220.23	Peg	20441	0.54	1710
CD18DD002	220.23	221.23	HMs	20442		
CD18DD002	221.23	226.60	HMs	NS_CD2_5		
CD18DD002	226.60	227.60	HMs	20443		
CD18DD002	227.60	229.00	Peg	20444	2.35	964
CD18DD002	229.00	230.00	Peg	20446	1.82	979
CD18DD002	230.00	231.00	Peg	20447	3.36	854
CD18DD002	231.00	232.00	Peg	20448	2.79	1740
CD18DD002	232.00	233.00	Peg	20449	3.35	776
CD18DD002	233.00	234.00	Peg	20450	2.65	595
CD18DD002	234.00	235.00	Peg	20451	0.54	642
CD18DD002	235.00	236.00	Peg	20452	0.42	1050
CD18DD002	236.00	237.00	Peg	20453	1.05	1720
CD18DD002	237.00	238.00	Peg	20454	1.28	618
CD18DD002	238.00	239.00	Peg	20455	0.97	1890
CD18DD002	239.00	240.00	Peg	20456	2.85	1500
CD18DD002	240.00	241.00	Peg	20457	1.34	411

CD18DD002	241.00	242.00	Peg	20458	1.88	697
CD18DD002	242.00	243.00	Peg	20459	0.65	2680
CD18DD002	243.00	244.00	Peg	20461	0.42	778
CD18DD002	244.00	244.60	Peg	20462	0.15	1060
CD18DD002	244.60	245.60	Amph	20463		
CD18DD002	245.60	251.87	Amph	NS_CD2_6		
CD18DD002	251.87	252.87	Amph	20464		
CD18DD002	252.87	254.00	Peg	20466	1.26	931
CD18DD002	254.00	255.00	Peg	20467	1.87	1120
CD18DD002	255.00	256.00	Peg	20468	1.01	873
CD18DD002	256.00	257.00	Peg	20469	0.81	1090
CD18DD002	257.00	258.00	Peg	20470	1.36	866
CD18DD002	258.00	259.00	Peg	20471	2.12	550
CD18DD002	259.00	260.00	Peg	20472	3.20	808
CD18DD002	260.00	261.00	Peg	20473	1.85	909
CD18DD002	261.00	262.00	Peg	20474	1.02	605
CD18DD002	262.00	263.08	Peg	20476	0.82	1270
CD18DD002	263.08	263.51	Amph	20477		
CD18DD002	263.51	263.91	Peg	20478	0.11	200
CD18DD002	263.91	264.95	Amph	20479		
CD18DD002	264.95	266.45	Qv	20481		
CD18DD002	266.45	267.45	Amph	20482		
CD18DD002	267.45	276.27	Amph	NS_CD2_7		
CD18DD002	276.27	277.27	Amph	20483		
CD18DD002	277.27	278.00	Peg	20484	0.38	232
CD18DD002	278.00	279.00	Peg	20486	0.35	264
CD18DD002	279.00	280.00	Peg	20487	0.14	138
CD18DD002	280.00	281.00	Peg	20488	0.15	158
CD18DD002	281.00	282.00	Peg	20489	0.35	245
CD18DD002	282.00	283.00	Peg	20490	0.11	100
CD18DD002	283.00	284.00	Peg	20491	0.06	234
CD18DD002	284.00	285.00	Peg	20492	0.05	339
CD18DD002	285.00	286.00	Peg	20493	0.11	91
CD18DD002	286.00	287.00	Peg	20494	0.05	123
CD18DD002	287.00	288.00	Peg	20495	0.11	126
CD18DD002	288.00	289.00	Peg	20496	0.21	131
CD18DD002	289.00	290.00	Peg	20497	0.20	1270
CD18DD002	290.00	291.00	Peg	20498	0.04	347
CD18DD002	291.00	292.00	Peg	20499	0.04	662
CD18DD002	292.00	293.00	Peg	20501	0.07	578
CD18DD002	293.00	294.00	Peg	20502	1.32	349
CD18DD002	294.00	295.00	Peg	20503	1.37	408
CD18DD002	295.00	296.00	Peg	20504	3.08	867
CD18DD002	296.00	297.00	Peg	20506	3.64	894
CD18DD002	297.00	298.00	Peg	20507	2.29	452
CD18DD002	298.00	299.00	Peg	20508	2.73	897
CD18DD002	299.00	300.00	Peg	20509	1.58	571
CD18DD002	300.00	301.00	Peg	20510	1.20	679
CD18DD002	301.00	302.00	Peg	20511	1.01	409
CD18DD002	302.00	303.00	Peg	20512	1.50	781
CD18DD002	303.00	304.00	Peg	20513	2.27	1160
CD18DD002	304.00	305.00	Peg	20514	2.29	302
CD18DD002	305.00	306.00	Peg	20516	1.97	332
CD18DD002	306.00	307.00	Peg	20517	1.91	336
CD18DD002	307.00	308.00	Peg	20518	2.03	570

CD18DD002	308.00	309.00	Peg	20519	2.14	151
CD18DD002	309.00	310.00	Peg	20521	0.93	204
CD18DD002	310.00	311.00	Peg	20522	1.45	794
CD18DD002	311.00	312.00	Peg	20523	1.46	497
CD18DD002	312.00	313.00	Peg	20524	0.99	571
CD18DD002	313.00	314.00	Peg	20526	1.43	911
CD18DD002	314.00	315.00	Peg	20527	1.07	1480
CD18DD002	315.00	316.00	Peg	20528	1.84	561
CD18DD002	316.00	317.00	Peg	20529	1.01	674
CD18DD002	317.00	318.00	Peg	20530	1.20	1020
CD18DD002	318.00	319.00	Peg	20531	1.48	750
CD18DD002	319.00	320.00	Peg	20532	1.05	939
CD18DD002	320.00	321.00	Peg	20533	1.33	612
CD18DD002	321.00	322.00	Peg	20534	0.50	425
CD18DD002	322.00	323.00	Peg	20535	2.17	690
CD18DD002	323.00	324.00	Peg	20536	1.23	718
CD18DD002	324.00	325.00	Peg	20537	0.98	528
CD18DD002	325.00	326.00	Peg	20538	1.25	1120
CD18DD002	326.00	327.00	Peg	20539	0.79	654
CD18DD002	327.00	328.00	Peg	20541	0.63	1000
CD18DD002	328.00	329.00	Peg	20542	0.05	962
CD18DD002	329.00	330.00	Peg	20543	0.04	491
CD18DD002	330.00	331.00	Peg	20544	0.00	744
CD18DD002	331.00	332.00	Peg	20546	0.10	145
CD18DD002	332.00	333.00	Peg	20547	0.19	130
CD18DD002	333.00	334.00	Peg	20548	0.07	315
CD18DD002	334.00	334.69	Peg	20549	0.05	369
CD18DD002	334.69	335.69	Amph	20550		
CD18DD002	335.69	340.65	Amph	NS_CD2_8		
CD18DD002	340.65	341.36	Amph	20551		
CD18DD002	341.36	342.36	Amph	20552		
CD18DD002	342.36	347.69	Amph	NS_CD2_9		
CD18DD002	347.69	348.69	Amph	20553		
CD18DD002	348.69	350.00	Peg	20554	0.14	461
CD18DD002	350.00	351.32	Peg	20556	0.04	111
CD18DD002	351.32	352.32	Amph	20557		
CD18DD002	352.32	356.12	Amph	NS_CD2_A		
CD18DD002	356.12	357.12	Amph	20558		
CD18DD002	357.12	358.00	Peg	20559	0.17	161
CD18DD002	358.00	359.00	Peg	20561	0.17	159
CD18DD002	359.00	360.00	Peg	20562	0.02	116
CD18DD002	360.00	361.39	Peg	20563	0.11	112
CD18DD002	361.39	361.83	Amph	NS_CD2_B		
CD18DD002	361.83	363.00	Peg	20564	0.02	40
CD18DD002	363.00	364.00	Peg	20566	0.04	70
CD18DD002	364.00	364.70	Peg	20567	0.05	197
CD18DD002	364.70	365.70	Amph	20568		
CD18DD002	365.70	374.47	Amph	NS_CD2_C		
CD18DD002	374.47	374.70	LC	NS_CD2_D		
CD18DD002	374.70	375.55	Peg	20569	0.03	833
CD18DD002	375.55	378.72	Amph	NS_CD2_E		
CD18DD002	378.72	379.72	Amph	20570		
CD18DD002	379.72	380.45	Amph	20571		
CD18DD002	380.45	381.45	Amph	20572		
CD18DD002	381.45	384.35	Amph	NS_CD2_F		

CD18DD002	384.35	385.35	Amph	20573		
CD18DD002	385.35	386.00	Peg	20574	0.10	458
CD18DD002	386.00	387.00	Peg	20575	0.13	555
CD18DD002	387.00	388.00	Peg	20576	0.21	3040
CD18DD002	388.00	389.00	Peg	20577	1.06	2100
CD18DD002	389.00	390.00	Peg	20578	0.10	1280
CD18DD002	390.00	391.00	Peg	20579	0.07	56
CD18DD002	391.00	392.35	Peg	20581	0.07	244
CD18DD002	392.35	392.70	LC	NS_CD2_G		
CD18DD002	392.70	394.00	Peg	20582	0.18	248
CD18DD002	394.00	395.00	Peg	20583	0.05	1490
CD18DD002	395.00	395.49	Peg	20584	0.05	615
CD18DD002	395.49	396.49	Amph	20586		
CD18DD002	396.49	397.49	Amph	20587		
CD18DD003	0.00	5.00	Soil	NS_CD3		
CD18DD003	5.00	5.30	LC	NS_CD3_1		
CD18DD003	5.30	6.20	PCSd	NS_CD3_2		
CD18DD003	6.20	7.80	LC	NS_CD3_3		
CD18DD003	7.80	8.30	PCSd	20601		
CD18DD003	8.30	9.00	Peg	20602	2.26	384
CD18DD003	9.00	10.00	Peg	20603	3.55	735
CD18DD003	10.00	11.00	Peg	20604	2.93	298
CD18DD003	11.00	11.80	Peg	20605	2.11	582
CD18DD003	11.80	13.00	Peg	20606	2.98	2040
CD18DD003	13.00	14.00	Peg	20607	2.09	396
CD18DD003	14.00	15.00	Peg	20608	0.27	797
CD18DD003	15.00	16.00	Peg	20609	0.69	1550
CD18DD003	16.00	17.00	Peg	20611	1.03	596
CD18DD003	17.00	18.00	Peg	20612	1.57	753
CD18DD003	18.00	19.00	Peg	20613	1.34	798
CD18DD003	19.00	20.00	Peg	20614	2.36	315
CD18DD003	20.00	21.00	Peg	20616	2.72	257
CD18DD003	21.00	22.00	Peg	20617	0.76	250
CD18DD003	22.00	23.00	Peg	20618	2.43	990
CD18DD003	23.00	24.00	Peg	20619	1.76	1570
CD18DD003	24.00	25.00	Peg	20620	2.17	1130
CD18DD003	25.00	26.00	Peg	20621	0.72	514
CD18DD003	26.00	27.00	Peg	20622	1.49	810
CD18DD003	27.00	28.00	Peg	20623	2.71	867
CD18DD003	28.00	29.00	Peg	20624	2.01	343
CD18DD003	29.00	30.00	Peg	20626	1.35	1170
CD18DD003	30.00	31.00	Peg	20627	1.37	801
CD18DD003	31.00	32.00	Peg	20628	0.63	907
CD18DD003	32.00	33.00	Peg	20629	1.95	1350
CD18DD003	33.00	34.00	Peg	20631	2.51	1410
CD18DD003	34.00	35.00	Peg	20632	1.68	986
CD18DD003	35.00	36.00	Peg	20633	2.45	8860
CD18DD003	36.00	37.00	Peg	20634	3.09	1070
CD18DD003	37.00	38.00	Peg	20636	4.08	995
CD18DD003	38.00	39.00	Peg	20637	2.99	458
CD18DD003	39.00	40.00	Peg	20638	2.48	447
CD18DD003	40.00	41.00	Peg	20639	3.72	362
CD18DD003	41.00	42.00	Peg	20640	2.58	417
CD18DD003	42.00	43.00	Peg	20641	0.20	225
CD18DD003	43.00	44.00	Peg	20642	2.67	300

CD18DD003	44.00	45.00	Peg	20643	2.84	183
CD18DD003	45.00	46.00	Peg	20644	2.67	202
CD18DD003	46.00	47.00	Peg	20645	1.31	239
CD18DD003	47.00	48.00	Peg	20646	1.92	133
CD18DD003	48.00	49.00	Peg	20647	1.17	158
CD18DD003	49.00	50.00	Peg	20648	1.77	145
CD18DD003	50.00	51.00	Peg	20649	1.32	395
CD18DD003	51.00	52.00	Peg	20651	0.34	155
CD18DD003	52.00	53.00	Peg	20652	2.18	240
CD18DD003	53.00	54.00	Peg	20653	1.04	222
CD18DD003	54.00	55.00	Peg	20654	0.74	245
CD18DD003	55.00	56.00	Peg	20656	0.37	163
CD18DD003	56.00	57.00	Peg	20657	0.24	163
CD18DD003	57.00	58.00	Peg	20658	0.87	137
CD18DD003	58.00	59.00	Peg	20659	2.22	668
CD18DD003	59.00	60.00	Peg	20660	1.66	1030
CD18DD003	60.00	61.00	Peg	20661	3.38	295
CD18DD003	61.00	62.00	Peg	20662	4.13	369
CD18DD003	62.00	63.00	Peg	20663	3.30	332
CD18DD003	63.00	64.00	Peg	20664	2.87	313
CD18DD003	64.00	65.00	Peg	20666	3.91	298
CD18DD003	65.00	66.00	Peg	20667	2.73	292
CD18DD003	66.00	67.00	Peg	20668	2.45	410
CD18DD003	67.00	68.00	Peg	20669	2.26	207
CD18DD003	68.00	69.00	Peg	20671	0.84	74
CD18DD003	69.00	70.00	Peg	20672	0.34	78
CD18DD003	70.00	71.00	Peg	20673	0.32	158
CD18DD003	71.00	72.00	Peg	20674	0.89	145
CD18DD003	72.00	73.00	Peg	20676	0.48	167
CD18DD003	73.00	74.00	Peg	20677	0.96	203
CD18DD003	74.00	75.00	Peg	20678	0.55	105
CD18DD003	75.00	76.00	Peg	20679	1.17	718
CD18DD003	76.00	77.00	Peg	20680	2.38	499
CD18DD003	77.00	78.00	Peg	20681	1.67	131
CD18DD003	78.00	79.00	Peg	20682	1.12	155
CD18DD003	79.00	80.00	Peg	20683	2.23	468
CD18DD003	80.00	81.00	Peg	20684	1.54	237
CD18DD003	81.00	82.00	Peg	20685	2.12	1160
CD18DD003	82.00	83.00	Peg	20686	0.66	228
CD18DD003	83.00	84.00	Peg	20687	0.95	298
CD18DD003	84.00	85.00	Peg	20688	1.17	182
CD18DD003	85.00	86.00	Peg	20689	2.08	302
CD18DD003	86.00	87.00	Peg	20691	2.44	686
CD18DD003	87.00	88.00	Peg	20692	1.75	361
CD18DD003	88.00	89.00	Peg	20693	2.58	250
CD18DD003	89.00	90.00	Peg	20694	1.48	142
CD18DD003	90.00	91.00	Peg	20696	1.07	213
CD18DD003	91.00	92.00	Peg	20697	0.84	193
CD18DD003	92.00	93.00	Peg	20698	0.55	371
CD18DD003	93.00	94.00	Peg	20699	1.24	437
CD18DD003	94.00	95.00	Peg	20700	1.32	741
CD18DD003	95.00	96.00	Peg	20701	1.72	1180
CD18DD003	96.00	97.00	Peg	20702	2.03	777
CD18DD003	97.00	98.00	Peg	20703	2.39	969
CD18DD003	98.00	99.00	Peg	20704	3.29	439

CD18DD003	99.00	100.00	Peg	20706	2.57	359
CD18DD003	100.00	101.00	Peg	20707	2.77	357
CD18DD003	101.00	102.00	Peg	20708	2.36	367
CD18DD003	102.00	103.00	Peg	20709	1.75	425
CD18DD003	103.00	104.00	Peg	20711	0.38	113
CD18DD003	104.00	105.00	Peg	20712	0.94	142
CD18DD003	105.00	106.00	Peg	20713	1.23	353
CD18DD003	106.00	107.00	Peg	20714	1.78	885
CD18DD003	107.00	108.00	Peg	20716	1.83	271
CD18DD003	108.00	109.00	Peg	20717	0.95	314
CD18DD003	109.00	110.00	Peg	20718	1.09	900
CD18DD003	110.00	111.00	Peg	20719	0.74	387
CD18DD003	111.00	112.00	Peg	20720	1.19	227
CD18DD003	112.00	113.00	Peg	20721	1.29	527
CD18DD003	113.00	114.00	Peg	20722	2.24	885
CD18DD003	114.00	115.00	Peg	20723	0.83	735
CD18DD003	115.00	116.00	Peg	20724	1.35	739
CD18DD003	116.00	117.00	Peg	20725	2.30	740
CD18DD003	117.00	118.00	Peg	20726	2.92	309
CD18DD003	118.00	119.00	Peg	20727	2.62	271
CD18DD003	119.00	120.00	Peg	20728	1.10	99
CD18DD003	120.00	121.00	Peg	20729	2.24	232
CD18DD003	121.00	122.00	Peg	20731	1.27	188
CD18DD003	122.00	123.00	Peg	20732	2.74	316
CD18DD003	123.00	124.00	Peg	20733	1.97	246
CD18DD003	124.00	125.00	Peg	20734	3.56	359
CD18DD003	125.00	126.00	Peg	20736	2.80	285
CD18DD003	126.00	127.00	Peg	20737	1.65	213
CD18DD003	127.00	128.00	Peg	20738	0.72	212
CD18DD003	128.00	129.00	Peg	20739	0.80	158
CD18DD003	129.00	130.00	Peg	20740	0.29	72
CD18DD003	130.00	131.00	Peg	20741	0.62	122
CD18DD003	131.00	132.00	Peg	20742	0.62	153
CD18DD003	132.00	133.00	Peg	20743	1.39	200
CD18DD003	133.00	134.00	Peg	20744	1.71	308
CD18DD003	134.00	135.00	Peg	20746	2.04	295
CD18DD003	135.00	136.00	Peg	20747	2.28	565
CD18DD003	136.00	137.00	Peg	20748	1.54	461
CD18DD003	137.00	138.00	Peg	20749	0.41	170
CD18DD003	138.00	139.00	Peg	20751	1.63	289
CD18DD003	139.00	140.00	Peg	20752	1.38	412
CD18DD003	140.00	141.00	Peg	20753	1.51	513
CD18DD003	141.00	142.00	Peg	20754	2.81	309
CD18DD003	142.00	143.00	Peg	20756	4.03	255
CD18DD003	143.00	144.00	Peg	20757	1.01	153
CD18DD003	144.00	145.00	Peg	20758	1.29	137
CD18DD003	145.00	146.00	Peg	20759	0.27	97
CD18DD003	146.00	147.00	Peg	20760	1.01	157
CD18DD003	147.00	148.00	Peg	20761	1.24	1380
CD18DD003	148.00	149.00	Peg	20762	1.16	1080
CD18DD003	149.00	150.00	Peg	20763	1.42	1100
CD18DD003	150.00	151.00	Peg	20764	1.71	1860
CD18DD003	151.00	152.00	Peg	20765	2.23	1560
CD18DD003	152.00	153.00	Peg	20766	2.59	2510
CD18DD003	153.00	154.00	Peg	20767	1.91	1060

CD18DD003	154.00	155.00	Peg	20768	3.04	759
CD18DD003	155.00	156.00	Peg	20769	4.35	354
CD18DD003	156.00	157.00	Peg	20771	3.56	446
CD18DD003	157.00	158.00	Peg	20772	3.01	333
CD18DD003	158.00	159.00	Peg	20773	2.42	298
CD18DD003	159.00	160.00	Peg	20774	1.88	207
CD18DD003	160.00	161.00	Peg	20776	4.67	430
CD18DD003	161.00	162.00	Peg	20777	3.76	344
CD18DD003	162.00	163.00	Peg	20778	1.85	582
CD18DD003	163.00	164.00	Peg	20779	1.21	855
CD18DD003	164.00	165.00	Peg	20780	0.20	142
CD18DD003	165.00	166.00	Peg	20781	0.30	137
CD18DD003	166.00	167.00	Peg	20782	0.11	103
CD18DD003	167.00	168.00	Peg	20783	0.10	79
CD18DD003	168.00	169.00	Peg	20784	0.10	72
CD18DD003	169.00	170.00	Peg	20786	0.56	135
CD18DD003	170.00	171.00	Peg	20787	1.25	587
CD18DD003	171.00	172.00	Peg	20788	0.57	376
CD18DD003	172.00	173.00	Peg	20789	1.26	417
CD18DD003	173.00	174.00	Peg	20791	1.68	731
CD18DD003	174.00	175.00	Peg	20792	2.32	322
CD18DD003	175.00	176.00	Peg	20793	0.39	201
CD18DD003	176.00	177.00	Peg	20794	2.35	172
CD18DD003	177.00	178.00	Peg	20796	0.46	172
CD18DD003	178.00	179.00	Peg	20797	0.53	184
CD18DD003	179.00	180.00	Peg	20798	0.93	286
CD18DD003	180.00	181.00	Peg	20799	1.31	797
CD18DD003	181.00	182.00	Peg	20800	0.08	193
CD18DD003	182.00	183.00	Peg	20801	0.17	200
CD18DD003	183.00	184.00	Peg	20802	0.18	366
CD18DD003	184.00	185.00	Peg	20803	0.87	756
CD18DD003	185.00	186.00	Peg	20804	1.09	244
CD18DD003	186.00	187.00	Peg	20805	2.00	1220
CD18DD003	187.00	188.00	Peg	20806	0.79	851
CD18DD003	188.00	189.00	Peg	20807	1.76	1780
CD18DD003	189.00	190.00	Peg	20808	1.29	933
CD18DD003	190.00	191.00	Peg	20809	1.51	1140
CD18DD003	191.00	192.00	HMs	20811		
CD18DD003	192.00	194.22	HMs	NS_CD3_4		
CD18DD003	194.22	195.22	HMs	20812		
CD18DD003	195.22	196.00	Peg	20813	1.74	519
CD18DD003	196.00	197.00	Peg	20814	1.31	1900
CD18DD003	197.00	198.00	Peg	20816	1.99	1240
CD18DD003	198.00	199.00	Peg	20817	2.28	1860
CD18DD003	199.00	200.00	Peg	20818	2.04	835
CD18DD003	200.00	201.00	Peg	20819	1.46	946
CD18DD003	201.00	202.00	Peg	20820	0.50	869
CD18DD003	202.00	203.00	Peg	20821	0.44	1050
CD18DD003	203.00	204.00	Peg	20822	0.73	2670
CD18DD003	204.00	205.00	Peg	20823	0.81	1460
CD18DD003	205.00	206.48	Peg	20824	0.33	855
CD18DD003	206.48	207.48	HMs	20826		
CD18DD003	207.48	208.31	HMs	20827		
CD18DD003	208.31	209.00	Peg	20828	2.57	573
CD18DD003	209.00	210.00	Peg	20829	2.55	1790

CD18DD003	210.00	211.00	Peg	20831	1.44	1040
CD18DD003	211.00	212.00	Peg	20832	2.41	1270
CD18DD003	212.00	213.00	Peg	20833	2.78	859
CD18DD003	213.00	214.00	Peg	20834	1.54	595
CD18DD003	214.00	215.00	Peg	20836	2.83	1200
CD18DD003	215.00	216.00	Peg	20837	2.39	1040
CD18DD003	216.00	217.00	Peg	20838	1.76	1960
CD18DD003	217.00	218.00	Peg	20839	0.30	1300
CD18DD003	218.00	219.00	Peg	20840	0.27	1230
CD18DD003	219.00	220.00	Peg	20841	0.38	1550
CD18DD003	220.00	221.00	Peg	20842	0.35	1930
CD18DD003	221.00	222.00	Peg	20843	0.21	1320
CD18DD003	222.00	223.00	Peg	20844	0.16	983
CD18DD003	223.00	224.00	Peg	20845	0.81	1000
CD18DD003	224.00	225.00	Peg	20846	0.71	964
CD18DD003	225.00	226.00	Peg	20847	0.72	713
CD18DD003	226.00	227.00	Peg	20848	0.95	1540
CD18DD003	227.00	228.00	Peg	20849	2.68	955
CD18DD003	228.00	229.00	Peg	20851	2.73	1190
CD18DD003	229.00	230.00	Peg	20852	1.02	978
CD18DD003	230.00	231.00	Peg	20853	0.72	642
CD18DD003	231.00	232.00	Peg	20854	0.40	1310
CD18DD003	232.00	233.00	Peg	20856	0.87	2190
CD18DD003	233.00	234.40	Peg	20857	0.08	387
CD18DD003	234.40	235.40	Amph	20858		
CD18DD003	235.40	236.40	Amph	20859		
CD18DD003	236.40	255.47	HMs	NS_CD3_5		
CD18DD003	255.47	256.47	Qv	20860		
CD18DD003	256.47	257.00	Peg	20861	0.08	199
CD18DD003	257.00	258.00	Peg	20862	0.06	104
CD18DD003	258.00	259.00	Peg	20863	0.10	166
CD18DD003	259.00	260.00	Peg	20864	0.10	150
CD18DD003	260.00	261.00	Peg	20866	0.04	141
CD18DD003	261.00	262.00	Peg	20867	0.04	120
CD18DD003	262.00	263.00	Peg	20868	0.02	91
CD18DD003	263.00	264.00	Peg	20869	0.06	296
CD18DD003	264.00	265.00	Peg	20871	0.03	104
CD18DD003	265.00	266.00	Peg	20872	0.06	126
CD18DD003	266.00	267.00	Peg	20873	0.06	117
CD18DD003	267.00	268.00	Peg	20874	0.07	246
CD18DD003	268.00	269.00	Peg	20876	0.22	1040
CD18DD003	269.00	270.00	Peg	20877	0.06	151
CD18DD003	270.00	271.00	Peg	20878	0.05	146
CD18DD003	271.00	272.00	Peg	20879	0.02	369
CD18DD003	272.00	273.00	Peg	20880	0.02	896
CD18DD003	273.00	274.00	Peg	20881	0.03	469
CD18DD003	274.00	275.00	Peg	20882	0.07	106
CD18DD003	275.00	276.00	Peg	20883	0.05	94
CD18DD003	276.00	277.00	Peg	20884	0.03	85
CD18DD003	277.00	278.00	Peg	20885	0.01	498
CD18DD003	278.00	279.00	Peg	20886	0.02	351
CD18DD003	279.00	280.00	Peg	20887	0.02	154
CD18DD003	280.00	281.00	Peg	20888	0.05	233
CD18DD003	281.00	282.00	Peg	20889	0.03	88
CD18DD003	282.00	282.85	Peg	20891	0.02	92

CD18DD003	282.85	283.85	HMs	20892		
CD18DD003	283.85	294.87	HMs	NS_CD3_6		
CD18DD003	294.87	295.86	HMs	20893		
CD18DD003	295.86	297.00	Peg	20894	0.02	103
CD18DD003	297.00	298.00	Peg	20896	0.01	85
CD18DD003	298.00	299.00	Peg	20897	0.01	49
CD18DD003	299.00	300.00	Peg	20898	0.01	125
CD18DD003	300.00	301.00	Peg	20899	0.01	49
CD18DD003	301.00	302.00	Peg	20900	0.01	132
CD18DD003	302.00	303.00	Peg	20901	0.02	598
CD18DD003	303.00	304.00	Peg	20902	0.02	159
CD18DD003	304.00	305.00	Peg	20903	0.01	175
CD18DD003	305.00	306.00	Peg	20904	0.01	78
CD18DD003	306.00	307.00	Peg	20906	0.02	153
CD18DD003	307.00	308.00	Peg	20907	0.01	162
CD18DD003	308.00	309.00	Peg	20908	0.02	182
CD18DD003	309.00	310.00	Peg	20909	0.02	123
CD18DD003	310.00	311.00	Peg	20911	0.02	78
CD18DD003	311.00	312.00	Peg	20912	0.03	100
CD18DD003	312.00	312.62	Peg	20913	0.01	81
CD18DD003	312.62	313.62	HMs	20914		
CD18DD003	313.62	319.70	HMs	NS_CD3_7		
CD18DD003	319.70	320.70	HMs	20916		
CD18DD003	320.70	321.70	Peg	20917	0.00	73
CD18DD003	321.70	322.43	Peg	20918	0.01	42
CD18DD003	322.43	323.43	HMs	20919		
CD18DD003	323.43	324.46	HMs	20920		
CD18DD003	324.46	325.55	Peg	20921	0.02	68
CD18DD003	325.55	326.55	HMs	20922		
CD18DD003	326.55	328.07	HMs	NS_CD3_8		
CD18DD003	328.07	329.10	Peg	20923	0.03	211
CD18DD003	329.10	330.10	HMs	20924		
CD18DD003	330.10	331.00	HMs	20925		
CD18DD003	331.00	332.00	Peg	20926	0.02	79
CD18DD003	332.00	333.00	Peg	20927	0.01	117
CD18DD003	333.00	334.00	Peg	20928	0.05	252
CD18DD003	334.00	335.00	Peg	20929	0.02	186
CD18DD003	335.00	336.00	Peg	20931	0.05	215
CD18DD003	336.00	337.00	Peg	20932	0.03	672
CD18DD003	337.00	338.00	Peg	20933	0.00	587
CD18DD003	338.00	339.00	Peg	20934	0.01	753
CD18DD003	339.00	340.00	Peg	20936	0.01	94
CD18DD003	340.00	341.00	Peg	20937	0.00	422
CD18DD003	341.00	342.00	Peg	20938	0.01	501
CD18DD003	342.00	343.00	Peg	20939	0.01	49
CD18DD003	343.00	344.00	Peg	20940	0.02	137
CD18DD003	344.00	345.00	Peg	20941	0.01	91
CD18DD003	345.00	346.00	Peg	20942	0.01	59
CD18DD003	346.00	347.00	Peg	20943	0.07	220
CD18DD003	347.00	348.00	Peg	20944	0.01	56
CD18DD003	348.00	348.90	Peg	20946	0.03	128
CD18DD003	348.90	349.90	HMs	20947		
CD18DD003	349.90	351.42	HMs	NS_CD3_9		
CD18DD003	351.42	352.00	Peg	20948	0.02	127
CD18DD003	352.00	353.00	Peg	20949	0.02	64

CD18DD003	353.00	354.00	Peg	20951	0.01	70
CD18DD003	354.00	355.00	Peg	20952	0.01	95
CD18DD003	355.00	356.00	Peg	20953	0.01	126
CD18DD003	356.00	357.00	Peg	20954	0.01	310
CD18DD003	357.00	358.00	Peg	20956	0.01	140
CD18DD003	358.00	359.00	Peg	20957	0.03	109
CD18DD003	359.00	360.00	Peg	20958	0.03	153
CD18DD003	360.00	361.00	Peg	20959	0.03	132
CD18DD003	361.00	362.00	Peg	20960	0.02	110
CD18DD003	362.00	363.00	Peg	20961	0.01	140
CD18DD003	363.00	364.00	Peg	20962	0.01	831
CD18DD003	364.00	365.00	Peg	20963	0.02	117
CD18DD003	365.00	366.00	Peg	20964	0.01	121
CD18DD003	366.00	367.00	Peg	20965	0.02	54
CD18DD003	367.00	368.00	Peg	20966	0.02	91
CD18DD003	368.00	369.00	Peg	20967	0.01	57
CD18DD003	369.00	370.00	Peg	20968	0.01	62
CD18DD003	370.00	371.00	Peg	20969	0.01	94
CD18DD003	371.00	372.00	Peg	20971	0.02	708
CD18DD003	372.00	373.00	Peg	20972	0.01	816
CD18DD003	373.00	374.00	Peg	20973	0.00	1285
CD18DD003	374.00	374.70	Peg	20974	0.01	321
CD18DD003	374.70	375.70	Amph	20976		
CD18DD003	375.70	376.70	Amph	20977		
CD18DD004	0.00	25.66	Cover	NS_CD4		
CD18DD004	25.66	26.66	Amph	20981	0.2300	6
CD18DD004	26.66	27.66	Amph	20982	0.3500	15
CD18DD004	27.66	29.00	Peg	20983	1.8900	1700
CD18DD004	29.00	30.00	Peg	20984	2.3700	158
CD18DD004	30.00	31.00	Peg	20985	1.1900	136
CD18DD004	31.00	32.00	Peg	20986	0.9600	322
CD18DD004	32.00	33.00	Peg	20987	2.4200	963
CD18DD004	33.00	34.00	Peg	20988	1.7800	976
CD18DD004	34.00	35.00	Peg	20989	2.4500	1270
CD18DD004	35.00	36.00	Peg	20991	2.5000	661
CD18DD004	36.00	37.00	Peg	20992	1.9400	299
CD18DD004	37.00	38.00	Peg	20993	2.4900	224
CD18DD004	38.00	39.00	Peg	20994	3.2900	244
CD18DD004	39.00	40.00	Peg	20996	2.7200	238
CD18DD004	40.00	41.00	Peg	20997	0.8400	158
CD18DD004	41.00	42.00	Peg	20998	1.3400	150
CD18DD004	42.00	43.00	Peg	20999	2.3900	157
CD18DD004	43.00	44.00	Peg	21000	0.1700	104
CD18DD004	44.00	45.00	Peg	21001	0.4500	149
CD18DD004	45.00	46.00	Peg	21002	1.0900	182
CD18DD004	46.00	47.00	Peg	21003	1.7300	146
CD18DD004	47.00	48.00	Peg	21004	0.6200	137
CD18DD004	48.00	49.00	Peg	21006	1.6000	706
CD18DD004	49.00	50.00	Peg	21007	1.2200	1270
CD18DD004	50.00	51.00	Peg	21008	1.3400	757
CD18DD004	51.00	52.00	Peg	21009	1.4900	1040
CD18DD004	52.00	53.00	Peg	21011	2.4900	475
CD18DD004	53.00	54.00	Peg	21012	2.0200	812
CD18DD004	54.00	55.00	Peg	21013	2.0700	281
CD18DD004	55.00	56.00	Peg	21014	1.0600	584

CD18DD004	56.00	57.00	Peg	21016	1.1800	380
CD18DD004	57.00	58.00	Peg	21017	1.4700	1000
CD18DD004	58.00	59.32	Peg	21018	1.5600	1290
CD18DD004	59.32	59.66	Peg	21019	2.1500	284
CD18DD004	59.66	61.00	Peg	21020	2.5600	998
CD18DD004	61.00	62.00	Peg	21021	3.5600	1560
CD18DD004	62.00	63.00	Peg	21022	3.9100	546
CD18DD004	63.00	64.00	Peg	21023	2.2700	234
CD18DD004	64.00	65.00	Peg	21024	2.7400	215
CD18DD004	65.00	66.00	Peg	21025	2.0800	175
CD18DD004	66.00	67.00	Peg	21026	3.6700	291
CD18DD004	67.00	68.00	Peg	21027	2.6400	228
CD18DD004	68.00	69.00	Peg	21028	1.4000	131
CD18DD004	69.00	70.00	Peg	21029	1.0700	123
CD18DD004	70.00	71.00	Peg	21031	1.2700	177
CD18DD004	71.00	72.00	Peg	21032	1.3000	206
CD18DD004	72.00	73.00	Peg	21033	1.6500	208
CD18DD004	73.00	74.00	Peg	21034	1.2800	194
CD18DD004	74.00	75.00	Peg	21036	1.2900	165
CD18DD004	75.00	76.00	Peg	21037	0.9700	122
CD18DD004	76.00	77.00	Peg	21038	1.5600	198
CD18DD004	77.00	78.00	Peg	21039	2.2200	302
CD18DD004	78.00	79.00	Peg	21040	1.5900	783
CD18DD004	79.00	80.00	Peg	21041	3.4400	724
CD18DD004	80.00	81.00	Peg	21042	3.2700	790
CD18DD004	81.00	82.00	Peg	21043	2.0500	305
CD18DD004	82.00	83.00	Peg	21044	0.6400	448
CD18DD004	83.00	84.00	Peg	21046	1.5400	744
CD18DD004	84.00	85.00	Peg	21047	1.9700	274
CD18DD004	85.00	86.00	Peg	21048	2.0200	414
CD18DD004	86.00	87.00	Peg	21049	2.0000	289
CD18DD004	87.00	88.00	Peg	21051	2.4600	256
CD18DD004	88.00	89.00	Peg	21052	0.4700	995
CD18DD004	89.00	90.00	Peg	21053	0.8600	153
CD18DD004	90.00	91.00	Peg	21054	1.2200	253
CD18DD004	91.00	92.00	Peg	21056	0.2100	160
CD18DD004	92.00	93.00	Peg	21057	0.8900	201
CD18DD004	93.00	94.00	Peg	21058	1.5900	167
CD18DD004	94.00	95.00	Peg	21059	1.5000	269
CD18DD004	95.00	96.00	Peg	21060	1.1000	979
CD18DD004	96.00	97.00	Peg	21061	3.1000	545
CD18DD004	97.00	98.00	Peg	21062	2.1000	297
CD18DD004	98.00	99.00	Peg	21063	2.1400	242
CD18DD004	99.00	100.00	Peg	21064	2.0700	398
CD18DD004	100.00	101.00	Peg	21065	0.9000	265
CD18DD004	101.00	102.00	Peg	21066	2.4100	208
CD18DD004	102.00	103.00	Peg	21067	2.7000	300
CD18DD004	103.00	104.00	Peg	21068	1.9200	773
CD18DD004	104.00	105.00	Peg	21069	0.7000	166
CD18DD004	105.00	106.00	Peg	21071	2.8700	938
CD18DD004	106.00	107.00	Peg	21072	1.0200	242
CD18DD004	107.00	108.00	Peg	21073	1.2900	155
CD18DD004	108.00	109.00	Peg	21074	0.9500	286
CD18DD004	109.00	110.00	Peg	21076	0.7300	263
CD18DD004	110.00	111.00	Peg	21077	0.4800	183

CD18DD004	111.00	112.00	Peg	21078	0.8000	1290
CD18DD004	112.00	113.00	Peg	21079	2.4400	349
CD18DD004	113.00	114.00	Peg	21080	3.5300	544
CD18DD004	114.00	115.00	Peg	21081	3.9400	478
CD18DD004	115.00	116.00	Peg	21082	1.7600	338
CD18DD004	116.00	117.00	Peg	21083	3.9000	405
CD18DD004	117.00	118.00	Peg	21084	2.2600	291
CD18DD004	118.00	119.00	Peg	21086	0.9700	256
CD18DD004	119.00	120.00	Peg	21087	0.3700	141
CD18DD004	120.00	121.00	Peg	21088	0.6400	115
CD18DD004	121.00	122.00	Peg	21089	3.1500	258
CD18DD004	122.00	123.00	Peg	21091	3.1200	255
CD18DD004	123.00	124.00	Peg	21092	4.1100	299
CD18DD004	124.00	125.00	Peg	21093	2.6800	381
CD18DD004	125.00	126.00	Peg	21094	0.5300	143
CD18DD004	126.00	127.00	Peg	21096	0.7900	164
CD18DD004	127.00	128.00	Peg	21097	1.8200	234
CD18DD004	128.00	129.00	Peg	21098	0.1800	477
CD18DD004	129.00	130.00	Peg	21099	1.3800	327
CD18DD004	130.00	131.00	Peg	21100	2.1100	321
CD18DD004	131.00	132.00	Peg	21101	1.1400	293
CD18DD004	132.00	133.00	Peg	21102	0.2700	1130
CD18DD004	133.00	134.00	Peg	21103	0.5500	563
CD18DD004	134.00	135.00	Peg	21104	1.5000	375
CD18DD004	135.00	136.00	Peg	21105	0.4700	501
CD18DD004	136.00	137.00	Peg	21106	1.0400	166
CD18DD004	137.00	138.00	Peg	21107	0.8000	146
CD18DD004	138.00	139.00	Peg	21108	1.6200	360
CD18DD004	139.00	140.00	Peg	21109	2.0700	262
CD18DD004	140.00	141.00	Peg	21111	1.4600	255
CD18DD004	141.00	142.00	Peg	21112	2.0600	253
CD18DD004	142.00	143.00	Peg	21113	2.4800	267
CD18DD004	143.00	144.00	Peg	21114	0.4800	174
CD18DD004	144.00	145.00	Peg	21116	0.7400	172
CD18DD004	145.00	146.00	Peg	21117	1.1900	216
CD18DD004	146.00	147.00	Peg	21118	1.5100	206
CD18DD004	147.00	148.00	Peg	21119	0.9600	175
CD18DD004	148.00	149.00	Peg	21120	1.2100	271
CD18DD004	149.00	150.00	Peg	21121	2.0000	372
CD18DD004	150.00	151.00	Peg	21122	2.7900	422
CD18DD004	151.00	152.00	Peg	21123	1.1500	272
CD18DD004	152.00	153.00	Peg	21124	0.8700	209
CD18DD004	153.00	154.00	Peg	21126	0.6500	136
CD18DD004	154.00	155.34	Peg	21127	1.1700	1710
CD18DD004	155.34	156.34	Amph	21128	0.5100	62
CD18DD004	156.34	157.86	Amph	NS_CD4_0		
CD18DD004	157.86	158.86	Amph	21129	0.4600	61
CD18DD004	158.86	160.00	Peg	21131	1.5200	639
CD18DD004	160.00	161.00	Peg	21132	1.7600	1390
CD18DD004	161.00	162.00	Peg	21133	2.7600	735
CD18DD004	162.00	163.00	Peg	21134	2.9700	1460
CD18DD004	163.00	164.00	Peg	21136	0.9500	665
CD18DD004	164.00	165.00	Peg	21137	0.6900	386
CD18DD004	165.00	166.00	Peg	21138	3.4000	732
CD18DD004	166.00	167.00	Peg	21139	2.4300	1280

CD18DD004	167.00	168.00	Peg	21140	0.3400	1500
CD18DD004	168.00	169.00	Peg	21141	1.9700	1670
CD18DD004	169.00	170.00	Peg	21142	2.5900	1940
CD18DD004	170.00	171.00	Peg	21143	2.0000	1050
CD18DD004	171.00	172.00	Peg	21144	1.6000	966
CD18DD004	172.00	173.00	Peg	21145	2.2600	1430
CD18DD004	173.00	174.00	Peg	21146	1.2500	1290
CD18DD004	174.00	175.00	Peg	21147	1.8300	2130
CD18DD004	175.00	176.30	Peg	21148	0.8200	1140
CD18DD004	176.30	177.30	Amph	21149		
CD18DD004	177.30	178.06	Amph	NS_CD4_1		
CD18DD004	178.06	179.06	Amph	21151		
CD18DD004	179.06	180.00	Peg	21152	2.0000	1070
CD18DD004	180.00	181.00	Peg	21153	2.4100	1060
CD18DD004	181.00	182.00	Peg	21154	2.5400	1260
CD18DD004	182.00	183.00	Peg	21156	0.6500	805
CD18DD004	183.00	184.00	Peg	21157	1.5100	1010
CD18DD004	184.00	185.00	Peg	21158	0.2700	437
CD18DD004	185.00	186.00	Peg	21159	0.1200	921
CD18DD004	186.00	187.00	Peg	21160	0.0800	581
CD18DD004	187.00	188.00	Peg	21161	0.2400	446
CD18DD004	188.00	189.00	Peg	21162	0.3600	232
CD18DD004	189.00	190.00	Peg	21163	0.5500	1080
CD18DD004	190.00	191.00	Peg	21164	0.5700	1390
CD18DD004	191.00	192.00	Peg	21166	2.6700	2250
CD18DD004	192.00	193.00	Peg	21167	0.8800	1690
CD18DD004	193.00	194.00	Peg	21168	0.4700	1320
CD18DD004	194.00	195.00	Peg	21169	1.3400	1250
CD18DD004	195.00	195.67	Peg	21171	0.3100	1130
CD18DD004	195.67	196.67	Amph	21172	0.3600	26
CD18DD004	196.67	198.24	Amph	NS_CD4_2		
CD18DD004	198.24	199.24	Amph	21173	0.3700	64
CD18DD004	199.24	200.00	Peg	21174	0.2000	966
CD18DD004	200.00	201.00	Peg	21176	2.1100	1170
CD18DD004	201.00	202.00	Peg	21177	2.8000	856
CD18DD004	202.00	203.00	Peg	21178	3.7800	949
CD18DD004	203.00	204.00	Peg	21179	2.2600	1980
CD18DD004	204.00	205.00	Peg	21180	0.7400	1590
CD18DD004	205.00	206.00	Peg	21181	0.4100	1660
CD18DD004	206.00	207.00	Peg	21182	0.9100	2150
CD18DD004	207.00	208.00	Peg	21183	2.1000	3240
CD18DD004	208.00	209.00	Peg	21184	1.8300	2260
CD18DD004	209.00	209.71	Peg	21185	0.5600	1400
CD18DD004	209.71	210.71	Amph	21186	0.2700	40
CD18DD004	210.71	211.54	Amph	NS_CD4_3		
CD18DD004	211.54	212.08	Peg	21187	0.2200	1540
CD18DD004	212.08	213.08	Amph	21188	0.2500	17
CD18DD004	213.08	220.60	Amph	NS_CD4_4		
CD18DD004	220.60	221.60	Amph	21189	0.2400	37
CD18DD004	221.60	222.60	Peg	21191	0.1000	35
CD18DD004	222.60	224.00	Peg	21192	0.1000	125
CD18DD004	224.00	225.00	Peg	21193	0.4100	623
CD18DD004	225.00	226.00	Peg	21194	0.3000	159
CD18DD004	226.00	227.00	Peg	21196	0.1700	160
CD18DD004	227.00	228.00	Peg	21197	0.1000	1270

CD18DD004	228.00	229.00	Peg	21198	0.0000	62
CD18DD004	229.00	230.00	Peg	21199	0.0200	345
CD18DD004	230.00	231.00	Peg	21200	0.1700	99
CD18DD004	231.00	232.00	Peg	21201	0.1700	202
CD18DD004	232.00	233.00	Peg	21202	0.3300	215
CD18DD004	233.00	234.00	Peg	21203	0.2200	158
CD18DD004	234.00	235.00	Peg	21204	0.2000	118
CD18DD004	235.00	236.00	Peg	21206	0.1100	86
CD18DD004	236.00	237.00	Peg	21207	0.2800	99
CD18DD004	237.00	238.00	Peg	21208	0.0900	118
CD18DD004	238.00	239.00	Peg	21209	0.0900	306
CD18DD004	239.00	240.00	Peg	21211	0.0500	727
CD18DD004	240.00	241.00	Peg	21212	0.0500	1460
CD18DD004	241.00	242.00	Peg	21213	0.0700	1860
CD18DD004	242.00	243.00	Peg	21214	0.0300	1500
CD18DD004	243.00	244.00	Peg	21216	0.0200	245
CD18DD004	244.00	245.00	Peg	21217	0.0500	301
CD18DD004	245.00	246.00	Peg	21218	0.0500	165
CD18DD004	246.00	247.00	Peg	21219	0.0300	142
CD18DD004	247.00	248.00	Peg	21220	0.0100	43
CD18DD004	248.00	249.00	Peg	21221	0.0600	71
CD18DD004	249.00	250.00	Peg	21222	0.0300	83
CD18DD004	250.00	251.00	Peg	21223	0.1100	216
CD18DD004	251.00	252.00	Peg	21224	0.0400	160
CD18DD004	252.00	253.00	Peg	21225	0.0300	103
CD18DD004	253.00	254.00	Peg	21226	0.0200	116
CD18DD004	254.00	255.00	Peg	21227	0.1200	183
CD18DD004	255.00	256.00	Peg	21228	0.0800	145
CD18DD004	256.00	257.00	Peg	21229	0.8900	638
CD18DD004	257.00	258.00	Peg	21231	0.1500	278
CD18DD004	258.00	259.00	Peg	21232	0.4400	1010
CD18DD004	259.00	260.00	Peg	21233	0.0800	402
CD18DD004	260.00	261.00	Peg	21234	0.4700	686
CD18DD004	261.00	262.00	Peg	21236	1.6600	588
CD18DD004	262.00	263.00	Peg	21237	2.5300	616
CD18DD004	263.00	264.00	Peg	21238	2.5300	798
CD18DD004	264.00	265.00	Peg	21239	2.7000	694
CD18DD004	265.00	266.00	Peg	21240	2.9300	1220
CD18DD004	266.00	267.00	Peg	21241	1.3500	1440
CD18DD004	267.00	268.00	Peg	21242	1.8900	909
CD18DD004	268.00	269.00	Peg	21243	0.6900	537
CD18DD004	269.00	270.00	Peg	21244	0.3100	398
CD18DD004	270.00	271.00	Peg	21246	0.5600	393
CD18DD004	271.00	272.00	Peg	21247	1.2500	1170
CD18DD004	272.00	273.00	Peg	21248	1.8700	641
CD18DD004	273.00	274.00	Peg	21249	2.7000	759
CD18DD004	274.00	275.00	Peg	21251	1.5000	435
CD18DD004	275.00	276.00	Peg	21252	1.0500	1040
CD18DD004	276.00	277.00	Peg	21253	2.7100	258
CD18DD004	277.00	278.00	Peg	21254	0.8400	403
CD18DD004	278.00	279.00	Peg	21256	1.5400	817
CD18DD004	279.00	280.00	Peg	21257	1.7700	325
CD18DD004	280.00	281.00	Peg	21258	1.8800	238
CD18DD004	281.00	282.00	Peg	21259	0.3100	431
CD18DD004	282.00	283.00	Peg	21260	0.9800	158

CD18DD004	283.00	284.00	Peg	21261	1.1800	193
CD18DD004	284.00	285.00	Peg	21262	1.7100	207
CD18DD004	285.00	286.00	Peg	21263	0.1200	448
CD18DD004	286.00	287.00	Peg	21264	0.1200	457
CD18DD004	287.00	287.70	Peg	21265	0.1700	499
CD18DD004	287.70	288.70	Amph	21266	0.2900	30
CD18DD004	288.70	297.50	Amph	NS_CD4_5		
CD18DD004	297.50	298.50	Amph	21267	0.2800	24
CD18DD004	298.50	299.00	Peg	21268	0.4200	188
CD18DD004	299.00	300.00	Peg	21269	2.4500	193
CD18DD004	300.00	301.00	Peg	21271	2.4900	354
CD18DD004	301.00	302.00	Peg	21272	2.5600	1580
CD18DD004	302.00	303.00	Peg	21273	1.2500	851
CD18DD004	303.00	304.00	Peg	21274	1.0200	739
CD18DD004	304.00	305.00	Peg	21276	2.4200	172
CD18DD004	305.00	306.00	Peg	21277	1.3700	188
CD18DD004	306.00	307.40	Peg	21278	1.5200	102
CD18DD004	307.40	310.85	HMs	NS_CD4_6		
CD18DD004	310.85	311.85	HMs	21279	0.4300	152
CD18DD004	311.85	313.00	Peg	21280	0.1800	297
CD18DD004	313.00	314.00	Peg	21281	1.2700	545
CD18DD004	314.00	315.00	Peg	21282	1.2800	968
CD18DD004	315.00	316.00	Peg	21283	0.7700	951
CD18DD004	316.00	316.94	Peg	21284	0.8400	897
CD18DD004	316.94	317.94	Amph	21286	0.9000	23
CD18DD004	317.94	321.89	Amph	NS_CD4_7		
CD18DD004	321.89	322.47	Peg	21287	0.0600	409
CD18DD004	322.47	323.47	Amph	21288	0.3200	19
CD18DD004	323.47	330.87	Amph	NS_CD4_8		
CD18DD004	330.87	331.87	Amph	21289	0.5200	72
CD18DD004	331.87	333.00	Peg	21291	0.0300	70
CD18DD004	333.00	334.00	Peg	21292	0.0700	100
CD18DD004	334.00	335.00	Peg	21293	0.12	111
CD18DD004	335.00	336.00	Peg	21294	0.1200	103
CD18DD004	336.00	337.00	Peg	21296	0.0600	84
CD18DD004	337.00	338.00	Peg	21297	0.1600	163
CD18DD004	338.00	339.00	Peg	21298	0.0600	149
CD18DD004	339.00	340.00	Amph	21299	0.2800	60
CD18DD004	340.00	349.20	Amph	NS_CD4_9		
CD18DD004	349.20	350.20	Amph	21300	0.1900	60
CD18DD004	350.20	351.00	Peg	21301	0.0240	263
CD18DD004	351.00	352.00	Peg	21302	0.1500	135
CD18DD004	352.00	353.00	Peg	21303	0.0900	100
CD18DD004	353.00	354.00	Peg	21304	0.0700	259
CD18DD004	354.00	355.29	Peg	21305	0.0300	697
CD18DD004	355.29	356.29	Amph	21306	0.1800	20
CD18DD004	356.29	357.29	Amph	21307	0.1100	9



JORC TABLE 1

Section 1 Sampling Techniques and Data (Criteria in this section apply to all succeeding sections.)		
Criteria	JORC Code explanation	Commentary
<i>Sampling techniques</i>	<ul style="list-style-type: none"> • <i>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.</i> • <i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i> • <i>Aspects of the determination of mineralisation that are Material to the Public Report.</i> • <i>In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m 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.</i> 	<p>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. Supplementing the drilling data, surface samples were collected from outcrops, utilising channel sampling from trenches and point-source sampling of scattered outcrops.</p> <p>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. The pegmatite has been sampled from the hanging wall contact continuously through to the footwall contact. In addition, the host-rocks extending 2 m from the contacts have also been sampled.</p> <p>Diamond drilling has been used to obtain core samples which have then been cut longitudinally. Intervals submitted for assay have been determined according to geological boundaries. Samples were taken at 1 m intervals. The submitted half-core samples typically had a mass of 3 – 4 kg.</p>
<i>Drilling techniques</i>	<ul style="list-style-type: none"> • <i>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).</i> 	<p>The drilling was completed using diamond core rigs with PQ used from surface to sample through to fresh-rock and HQ sized drill rods used after the top-of-fresh-rock had been intersected. Most holes are angled between 50° and 75° and collared from surface into weathered bedrock. All collars were surveyed after completion. All holes were downhole surveyed using a digital multi-shot camera at about 30 m intervals. Apart from drillholes MO17DD001, MO17DD002, MO18DD001 and MO18DD008, all core was oriented.</p>

Criteria	JORC Code explanation	Commentary
<i>Drill sample recovery</i>	<ul style="list-style-type: none"> • <i>Method of recording and assessing core and chip sample recoveries and results assessed.</i> • <i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i> • <i>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.</i> 	<p>Drill core recovery attained >97% in the pegmatite. Based upon the high recovery, AVZ did not have to implement additional measures to improve sample recovery and the drill core is considered representative and fit for sampling.</p> <p>For the vast majority of drilling completed, core recovery was near 100% and there is no sample bias due to preferential loss or gain of fine or coarse material.</p>
<i>Logging</i>	<ul style="list-style-type: none"> • <i>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.</i> • <i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i> • <i>The total length and percentage of the relevant intersections logged.</i> 	<p>Drill core was logged by qualified geologists using a data-logger and the logs were then uploaded into Geobank which is a part of the Micromine software system. The core was logged for geology and geotechnical properties (RQD & planar orientations). A complete copy of the data is held by an independent consultant.</p> <p>All core was logged, and logging was by qualitative (lithology) and quantitative (RQD and structural features) methods. All core was also photographed both in dry and wet states, with the photographs stored in the database.</p> <p>The entirety of all drillholes are logged for geological, mineralogical and geotechnical data.</p>

Criteria	JORC Code explanation	Commentary
<p><i>Sub-sampling techniques and sample preparation</i></p>	<ul style="list-style-type: none"> • <i>If core, whether cut or sawn and whether quarter, half or all core taken.</i> • <i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i> • <i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i> • <i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i> • <i>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.</i> • <i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i> 	<p>Core is cut longitudinally, and half-core samples of a nominal 1 m length are submitted for assay.</p> <p>The current programme is diamond core drilling.</p> <p>The sample preparation for drill core samples incorporates standard industry practice. The half-core samples have been prepared at ALS Lubumbashi and the ALS sample preparation facility on site at Manono, with holes from MO18DD021 onwards being prepared at Manono.</p> <p>At AVZ's onsite sample preparation facility the half-core samples of approximately 4-5 kg are oven dried, crushed to -2 mm with a 500 g sub-sample being split out. This 500 g sub-sample is then pulverised to produce a pulp with 85% passing -75um size fraction. A 120 g subsample is then split from this, the certified reference material, blanks and duplicates are inserted at appropriate intervals and then the complete sample batch is couriered to Australia for assay analysis.</p> <p>Standard sub-sampling procedures are utilised by ALS Lubumbashi and ALS Manono at all stages of sample preparation such that each sub-sample split is representative of the whole it was derived from.</p> <p>Duplicate sampling was undertaken for the drilling programme. After half-core samples were crushed at the ALS Lubumbashi and ALS Manono preparatory facility, an AVZ geologist took a split of the crushed sample which is utilised as a field duplicate. The geologist placed the split into a pre-numbered bag which was then inserted into the sample stream. It is then processed further, along with all the other samples. The drilling produced PQ and HQ drill core, providing a representative sample of the pegmatite which is coarse-grained. Sampling was mostly at 1 m intervals, and the submitted half-core samples typically had a mass of 3-4 kg.</p>

Criteria	JORC Code explanation	Commentary
<p><i>Quality of assay data and laboratory tests</i></p>	<ul style="list-style-type: none"> • <i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i> • <i>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.</i> • <i>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.</i> 	<p>Diamond drillhole (core) samples were submitted to ALS Lubumbashi and ALS Manono (DRC) where they were crushed and pulverised to produce pulps. These pulps were couriered to Australia and analysed by ALS Laboratories in Perth, Western Australia using a sodium peroxide fusion of a 5g charge followed by digestion of the prill using dilute hydrochloric acid thence determination by AES or MS, i.e. methods ME-ICP89 and ME-MS91. Samples from the drilling completed in 2017 i.e. MO17DD001 and MO17DD002, were assayed for a suite of 24 elements that included Li, Sn, Ta & Nb. Samples from the drilling completed in 2018 were assayed for a suite of 12 elements; Li, Sn, Ta, Nb, Al, Si, K, Fe, Mg, P, Th and U, with Li reported as Li₂O, Al as Al₂O₃, Si as SiO₂, K as K₂O, Mg as MgO, Fe as Fe₂O₃ and P as P₂O₅.</p> <p>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 mineralisation.</p> <p>Sodium peroxide fusion is a total digest and considered the preferred method of assaying pegmatite samples.</p> <p>Geophysical instruments were not used in assessing the mineralisation.</p> <p>For the drilling, AVZ incorporated standard QAQC 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, CRMs (standards), blanks and duplicates were inserted into the sampling stream. In addition, the laboratory (ALS Perth) incorporated its own internal QAQC procedures to monitor its assay results prior to release of results to AVZ. The Competent Person is satisfied that the results of the QAQC are acceptable and that the assay data from ALS is suitable for Mineral Resource estimation.</p>

Criteria	JORC Code explanation	Commentary
Verification of sampling and assaying	<ul style="list-style-type: none"> • <i>The verification of significant intersections by either independent or alternative company personnel.</i> • <i>The use of twinned holes.</i> • <i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i> • <i>Discuss any adjustment to assay data.</i> 	<p>MSA observed the mineralisation in the majority of cores on site, although no check assaying was completed by MSA.</p> <p>MSA observed and photographed several collar positions in the field, along with rigs that were drilling at the time of the site visit.</p> <p>Twinned holes for the verification of historical drilling, were not required. Short vertical historical holes were drilled within the pit but are neither accessible nor included within the database used to define the Mineral Resource.</p> <p>Drilling data is stored on site as both hard and soft copy. Drilling data is validated onsite before being sent to data management consultants in Perth where the data is further validated. When results are received, they are loaded to the central database in Perth and shared with various stakeholders via the cloud. QC results are reviewed by both independent consultants and AVZ personnel at Manono. Hard copies of assay certificates are stored in AVZ's Perth offices.</p> <p>AVZ has not adjusted assay data.</p>
Location of data points	<ul style="list-style-type: none"> • <i>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.</i> • <i>Specification of the grid system used.</i> • <i>Quality and adequacy of topographic control.</i> 	<p>The drillhole collars have been located by a registered surveyor using a Hi-Target V30 Trimble differential GPS with an accuracy of +/- 0.02 m unless otherwise noted.</p> <p>All holes were downhole surveyed using a digital multi-shot camera at approximately 30 m intervals.</p> <p>For the purposes of geological modelling and estimation, the drillhole collars were projected onto this topographic surface. In most cases adjustments were within 1 m (in elevation).</p> <p>Coordinates are relative to WGS 84 UTM Zone 35M.</p>
Data spacing and distribution	<ul style="list-style-type: none"> • <i>Data spacing for reporting of Exploration Results.</i> • <i>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.</i> • <i>Whether sample compositing has been applied.</i> 	<p>Drillhole spacing was completed on sections 100 m apart, and collars were 50 to 100 m apart on section where possible. In situations of difficult terrain, multiple holes were drilled from a single drill pad using differing angles for each drillhole.</p>
Orientation of data in relation to geological structure	<ul style="list-style-type: none"> • <i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i> • <i>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.</i> 	<p>The drillhole orientation is designed to intersect the Carrier de l'Este Pegmatite at, or nearly at, 90° to the plane of the pegmatite.</p> <p>No material sampling bias exists due to drilling direction.</p>

Criteria	JORC Code explanation	Commentary
<i>Sample security</i>	<ul style="list-style-type: none"> <i>The measures taken to ensure sample security.</i> 	<ul style="list-style-type: none"> When utilizing ALS Lubumbashi, chain of custody is maintained by AVZ personnel on-site to Lubumbashi. Samples are stored on-site until they are delivered by AVZ personnel in sealed bags to the laboratory at ALS in Lubumbashi. The ALS laboratory checked received samples against the sample dispatch form and issues a reconciliation report. At Lubumbashi, the prepared samples (pulps) are sealed in a box and delivered by DHL to ALS Perth. ALS issue a reconciliation of each sample batch, actual received vs documented dispatch. The ALS Manono site preparation facility is managed independently by ALS who supervise the sample preparation. Prepared samples are sealed in boxes and transported by air to ALS Lubumbashi and are accompanied by an AVZ employee, where export documentation and formalities are concluded. DHL couriers the samples to ALS in Perth.
<i>Audits or reviews</i>	<ul style="list-style-type: none"> <i>The results of any audits or reviews of sampling techniques and data.</i> 	<ul style="list-style-type: none"> The sampling techniques were reviewed by the Competent Person during the site visit. The Competent Person considers that the exploration work conducted by AVZ was carried out using appropriate techniques for the style of mineralisation at Carriere de l'Este, and that the resulting database is suitable for Mineral Resource estimation.

Section 2 Reporting of Exploration Results

(Criteria listed in the previous section also apply to this section.)

Criteria	JORC Code explanation	Commentary
<i>Mineral tenement and land tenure status</i>	<ul style="list-style-type: none"> • <i>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.</i> • <i>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.</i> 	<p>The Manono licence was awarded as Research Permit PR13359, issued on the 28th December 2016 to o La Congolaise d'Exploitation Miniere SA (Cominiere). It is valid for 5 years. On the 2nd February 2017, AVZ formed a joint-venture (JV) with Cominiere and Dathomir Mining Resources SARL (Dathomir) to become the majority partner in a JV aiming to explore and develop the pegmatites contained within PR 13359. Ownership of the Manono Lithium Project is AVZ 60%, Cominiere 30% and Dathomir 10%. AVZ manages the project and meets all funding requirements. All indigenous title is cleared and there are no other known historical or environmentally sensitive areas.</p>
<i>Exploration done by other parties</i>	<ul style="list-style-type: none"> • <i>Acknowledgment and appraisal of exploration by other parties.</i> 	<p>Within PR13359 exploration of relevance was undertaken by Geomines whom completed a programme of drilling between 1949 and 1951. The drilling consisted of 42 vertical holes drilled to a general depth of around 50 - 60 m. Drilling was carried out on 12 sections at irregular intervals ranging from 50 - 300 m, and over a strike length of some 1,100 m. Drill spacing on the sections varied from 50 - 100 m. The drilling occurred in the Roche Dure Pit only, targeting the fresh pegmatite in the Kitotolo sector of the project area. The licence area has been previously mined for tin and tantalum through a series of open pits over a total length of approximately 10 km excavated by Zairetain SPRL. More than 60 Mt of material was mined from three major pits and several subsidiary pits focused on the weathered upper portions of the pegmatites. 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. Apart from the mining excavations and the drilling programme, there has been very limited exploration work within the Manono region.</p>

Criteria	JORC Code explanation	Commentary
Geology	<ul style="list-style-type: none"> • <i>Deposit type, geological setting and style of mineralisation.</i> 	<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. The Kibaran Belt is comprised of 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 million years ago) is assigned to the Katangan cycle and is associated with widespread vein and pegmatite mineralisation 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. 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. 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. The pegmatites constitute a pegmatite swarm in which the largest pegmatites have an apparent en-echelon arrangement in a linear zone more than 12 km 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. 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>

Criteria	JORC Code explanation	Commentary
Drill hole Information	<ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> ○ easting and northing of the drill hole collar ○ elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar ○ dip and azimuth of the hole ○ down hole length and interception depth ○ hole length. • 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. 	<ul style="list-style-type: none"> • See table for collar, survey and assay data.
Data aggregation methods	<ul style="list-style-type: none"> • 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. • 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 assumptions used for any reporting of metal equivalent values should be clearly stated. 	<ul style="list-style-type: none"> • Intersections are reported as length-weighted grades within the logged pegmatite. • No grade truncations were applied. • The majority of samples were taken at 1 m lengths. • No equivalent values are used or reported.
Relationship between mineralisation widths and intercept lengths	<ul style="list-style-type: none"> • 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. • 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'). 	<ul style="list-style-type: none"> • The majority of samples were taken at 1 m lengths. • There is no relationship between mineralisation width and grade. • The geometry of the mineralisation is reasonably well understood however the pegmatite is not of uniform thickness nor orientation. Consequently, most drilling intersections do not represent the exact true thickness of the intersected pegmatite, although intersections are reasonably close to true thickness in most cases.
Diagrams	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • The relevant plans and sections are included in this document.
Balanced reporting	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • All pegmatite intersections for holes CD18DD001, 002, 003 and CD18DD004 are reported.

Criteria	JORC Code explanation	Commentary
<i>Other substantive exploration data</i>	<ul style="list-style-type: none"> <i>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.</i> 	<ul style="list-style-type: none"> The Exploration Target was calculated on the basis of the following ranges: <ul style="list-style-type: none"> Strike: 1,500-3,000 m Thickness: 200-240 m Depth (down dip): 350-425 m Specific gravity: 2.65-2.8 Grade: 1.3-1.7% Li₂O The exploration target is based on surface mapping data, 912 assay results from CD18DD001-004, MO18DD007 and 2,690m of geological data from holes CD18DD001-006, MO17DD007. No other exploration data is available. Wide spaced reconnaissance drilling along with surface mapping and sampling is being used for geological understanding and future drill planning
<i>Further work</i>	<ul style="list-style-type: none"> <i>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).</i> <i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i> 	Diamond drill testing of the identified priority targets will be on-going.