MINERALS LIMITED

ASX ANNOUNCEMENT

31 October 2022

# Positive Results from Initial Roche Dure Extension Drilling Program

## Highlights

- Results from the first 4 of 46 planned resource drill holes at the Roche Dure North-East Extension, confirms further widespread, high-grade spodumene lithium mineralisation including 226.8m @ 1.67% $Li_2O$ & 307 ppm Sn and 226.8m @ 1.67@ $Li_2O$

- Seventy five samples returned values greater than 2% including 3 individual samples grading greater than 3% $Li_2O$ with the highest value being from hole MO22DD003 from 122 to 124 metres downhole grading 3.59 $Li_2O$

- The latest drill holes demonstrate grade continuity both down-dip and along strike at Roche Dure.

- Drilling results moving along strike to the north-east confirm the Roche Dure orebody dipping shallower on the northernmost drill section.

**AVZ Minerals Limited** (ASX: AVZ, OTC: AZZVF) (**AVZ** or **Company**) is pleased to report it has received further strong results from its Mineral Resource drilling (Figure 3) at the Manono Lithium and Tin Project (**Manono Project**) in the Democratic Republic of Congo (**DRC**). It has received results from the first 4 diamond drill holes at the Roche Dure North-East Extension drilling programme.

**AVZ's Managing Director Mr Nigel Ferguson commented:** *"The first 4 holes drilled at Roche Dure (Figure 3), as part of AVZ's commitment to the Early Works Programme this year, are of the same lithium grade, tenor and intersection widths as previously encountered. Whilst only 4 holes have been reported, samples up to hole MO22DD016 out of the 23 holes completed to date (Figure 4) have been dispatched from site and these pending results will be reported soon. Appendix 3 summaries the geology and assay values of these first 4 holes."*

*"Of potentially significant interest is the reinterpretation of the Roche Dure orebody from about Section 8,200mN onwards which is well beyond the most northerly edge of the current pit design. Hole MO22DD003 (Figure 7) shows strong mineralisation with higher grade intercepts downhole but the lower dip of the orebody here, interpreted from both the reported hole and the lithological logging of new holes drilled nearby, is significant in that higher tonnages per section and vertical metre may be generated because of the lower angle of dip of the orebody moving north. Further work is required in these areas, but this is an encouraging and unexpected development."*

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ASX Code: AVZ
OTC Code: AZZVF

Results from the 4 holes are detailed in Table 1 below and Figures 1 and 2 show typical diamond drill core from hole MO22DD001 with abundant white lathes of coarse spodumene.


*Figure 1: MO22DD001 245-249 4m@2.47%* $Li_2O$ *showing coarse spodumene crystals*

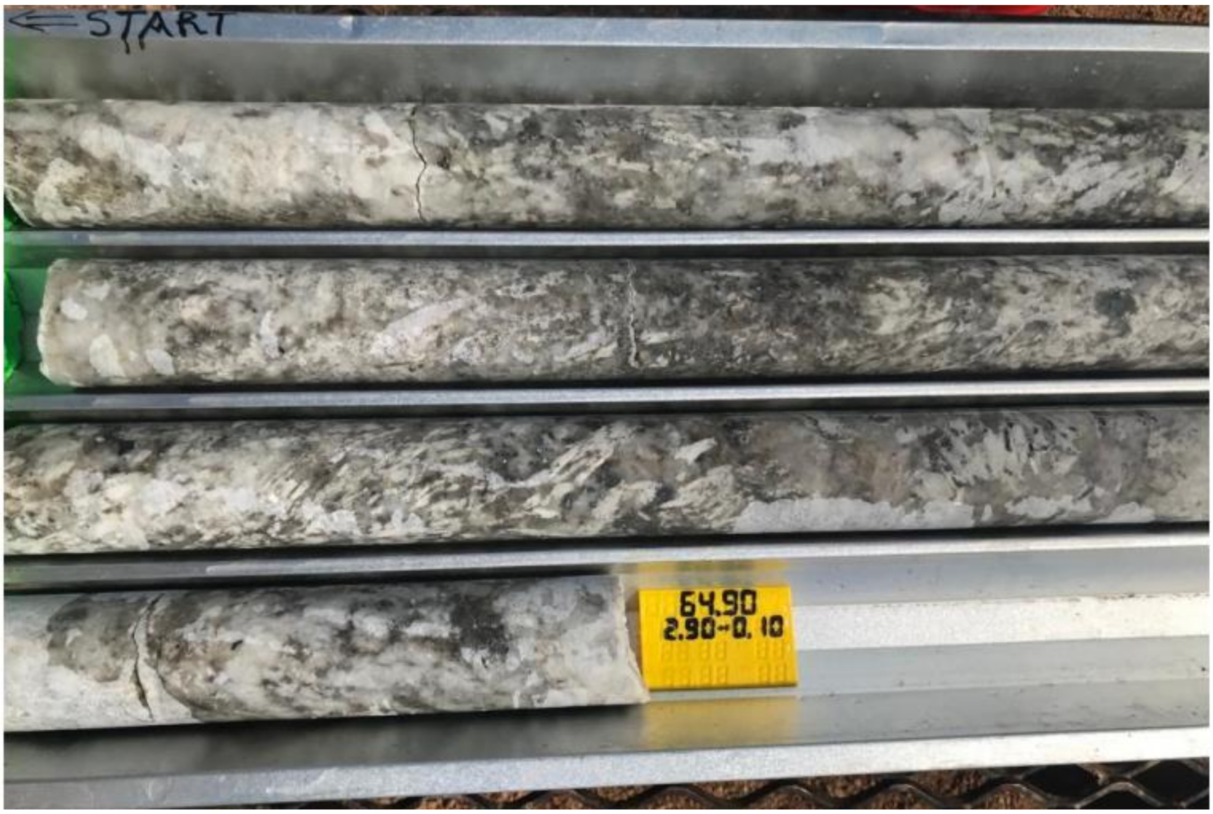


*Figure 2: Close up visible spodumene from MO22DD001 at 64.9m downhole*

| Hole I.D. | Section | Intersections of the Roche Dure Pegmatite |
|---|---|---|
| MO22DD001 | 7800mN | 47.7m – 274.5m; 226.8m @ 1.67%$Li_2O$ & 307ppm Sn and including 233.0m – 273.0m; 40.00m @ 1.92%$Li_2O$ & 801ppm Sn |
| MO22DD002 | 8000mN | 6.0m – 19.8m; 13.8m @ 0.06%$Li_2O$ & 452ppm Sn (with 7.1m of core loss)<br>19.8m – 160.72m; 140.92m @ 1.49%$Li_2O$ & 997ppm Sn (with 1.25m of core loss) and including 80.0m – 96.0m; 16.0m @ 1.98%$Li_2O$ & 915ppm Sn |
| MO22DD003 | 8200mN | 74.3m – 256.7m; 182.4m @ 1.68%$Li_2O$ & 590ppm Sn (with 0.3m core loss) and including 90.0m – 100.0m; 10.0m @ 2.11%$Li_2O$ & 457ppm Sn, 164.0m – 188.0m; 24.0m @ 2.02%$Li_2O$ & 618ppm Sn and 210.0m – 244.0m; 34.0m @ 2.03%$Li_2O$ & 717ppm Sn. |
| MO22DD004 | 8000mN | 0.0m – 125.86m; 125.86m @ 0.96%$Li_2O$ & 1,111ppm Sn (with 2.7m core loss) |

*Table 1: Summary of pegmatite intervals and grades from MO22DD001 to MO22DD004*

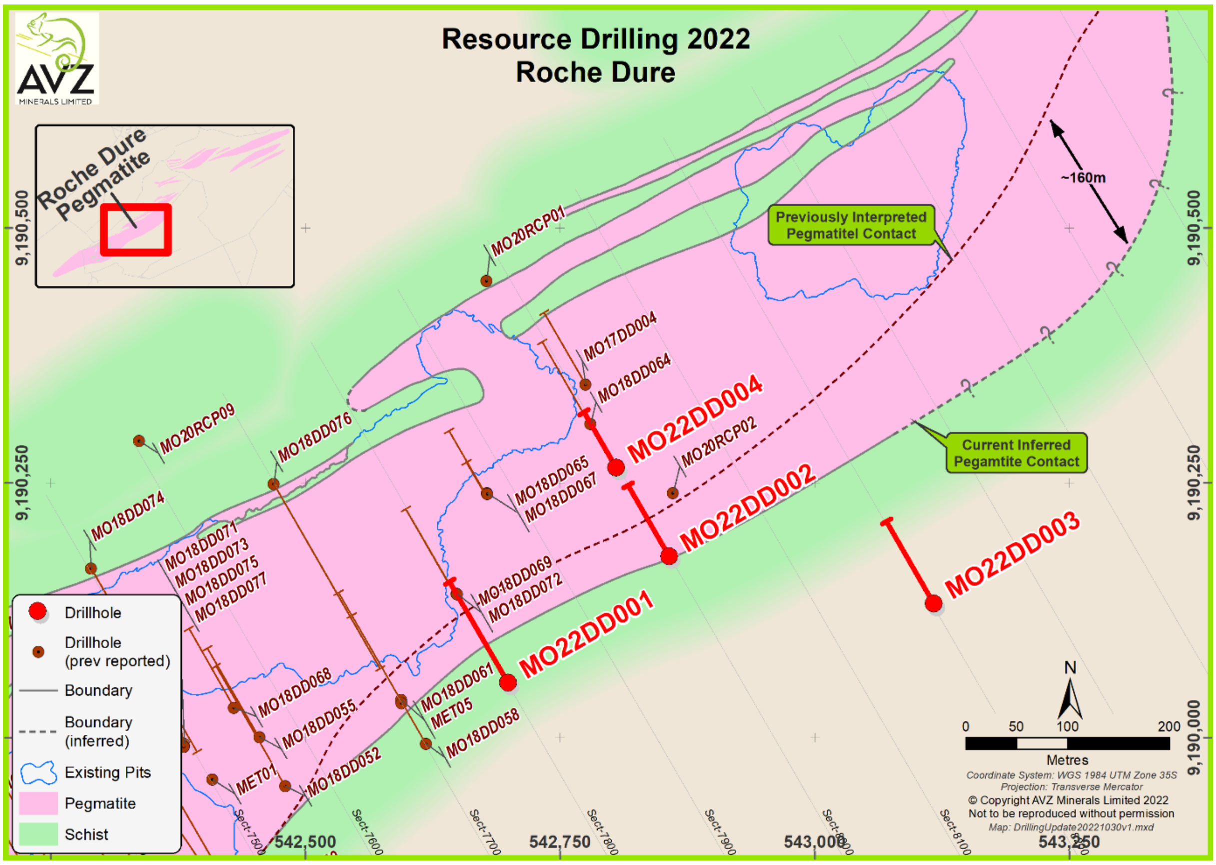


*Figure 3: Locations of drillholes MO22DD001 to MO22DD004*

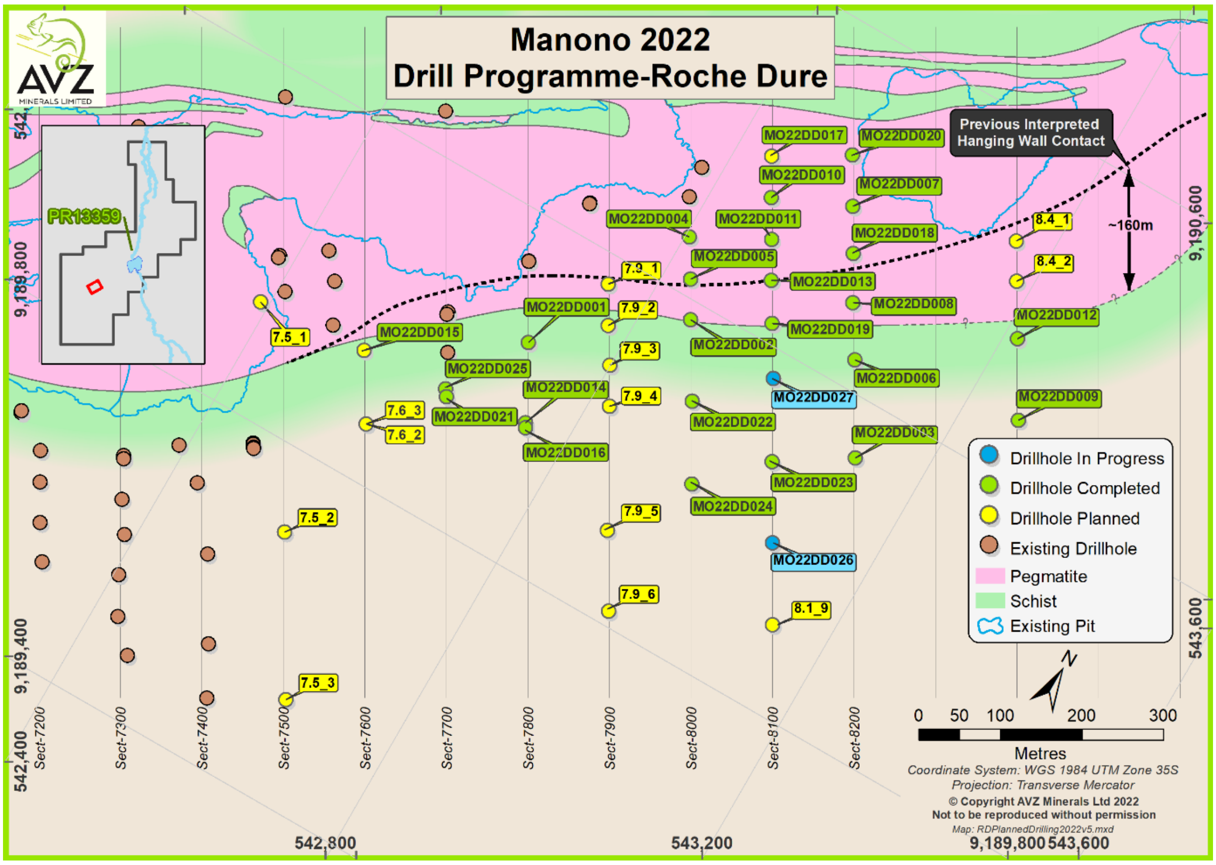


*Figure 4: Location of completed holes, planned incomplete holes and current holes being drilled*

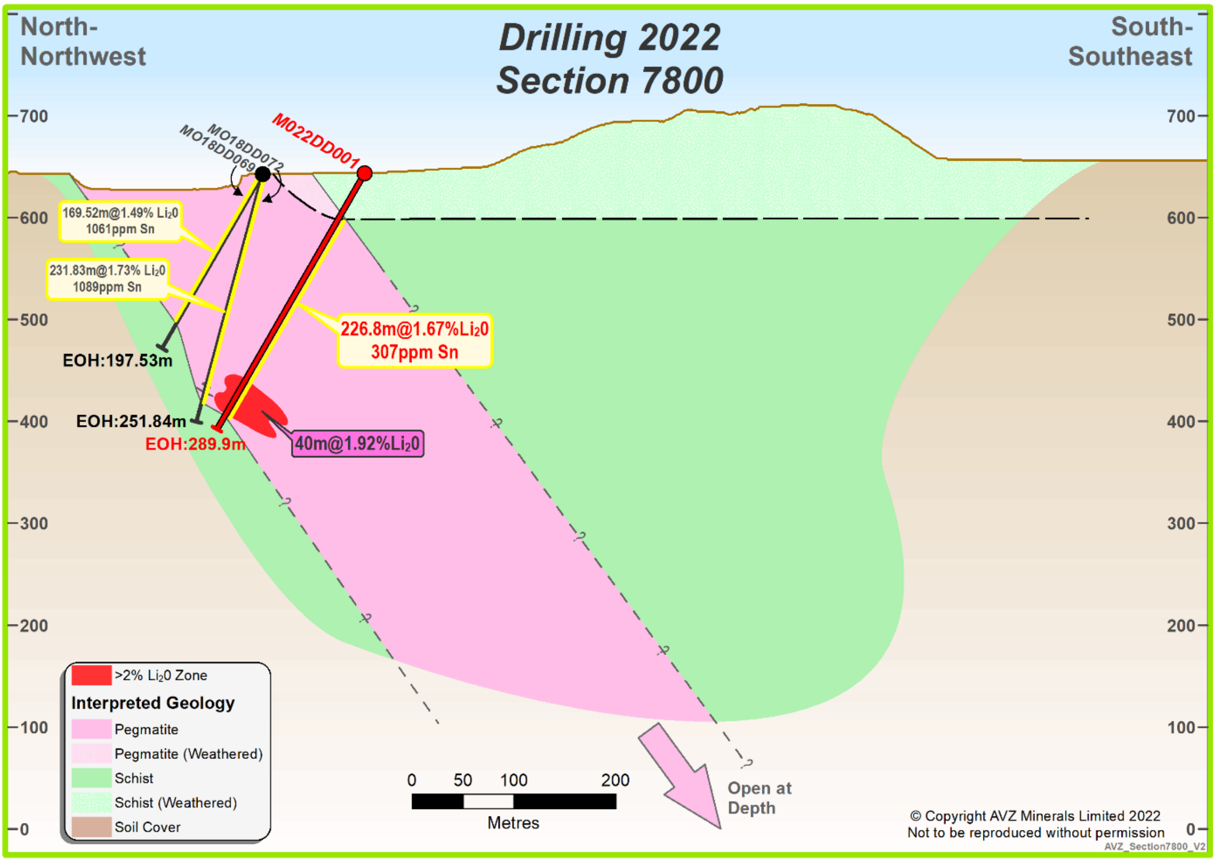


*Figure 5: Intersections achieved by M022DD001 on section 7,800mN*

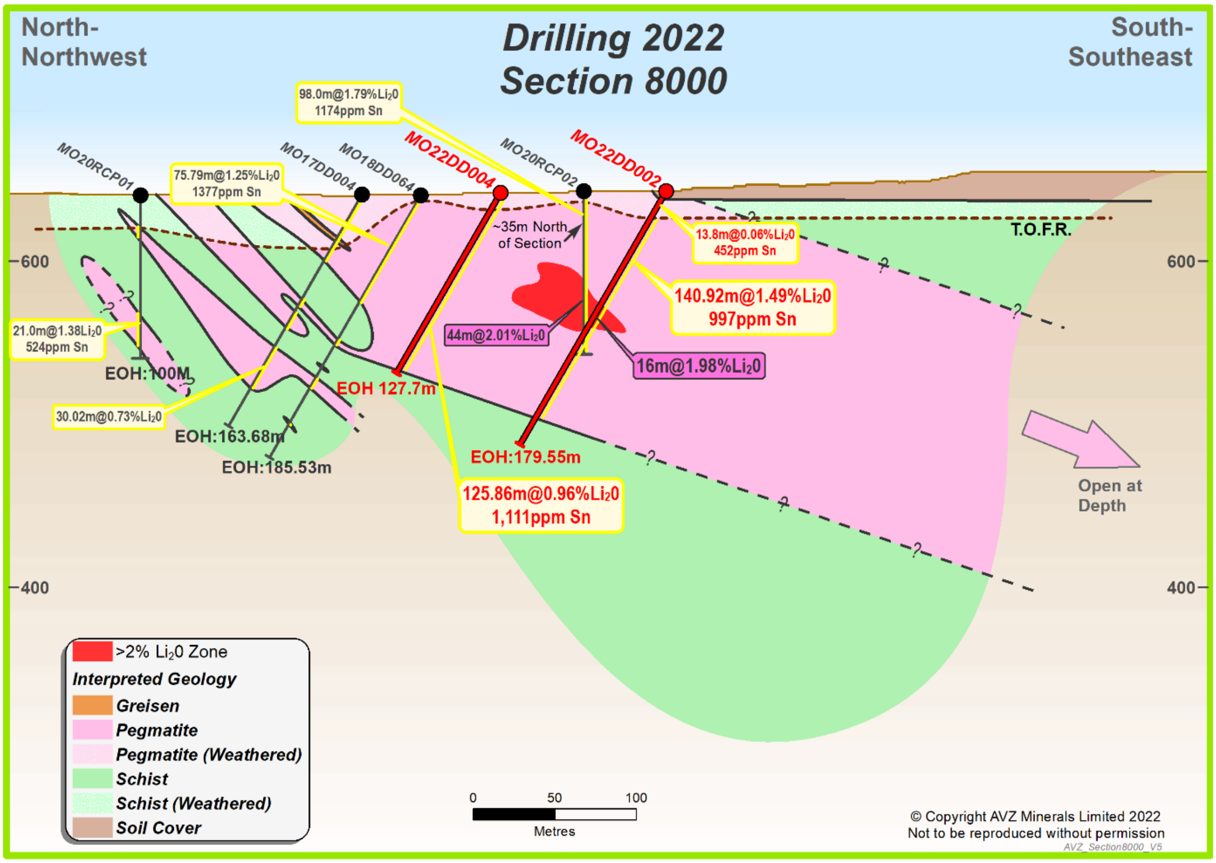


*Figure 6: Intersections achieved by MO22DD004 and MO22DD004 drilled on section 8,000mN*

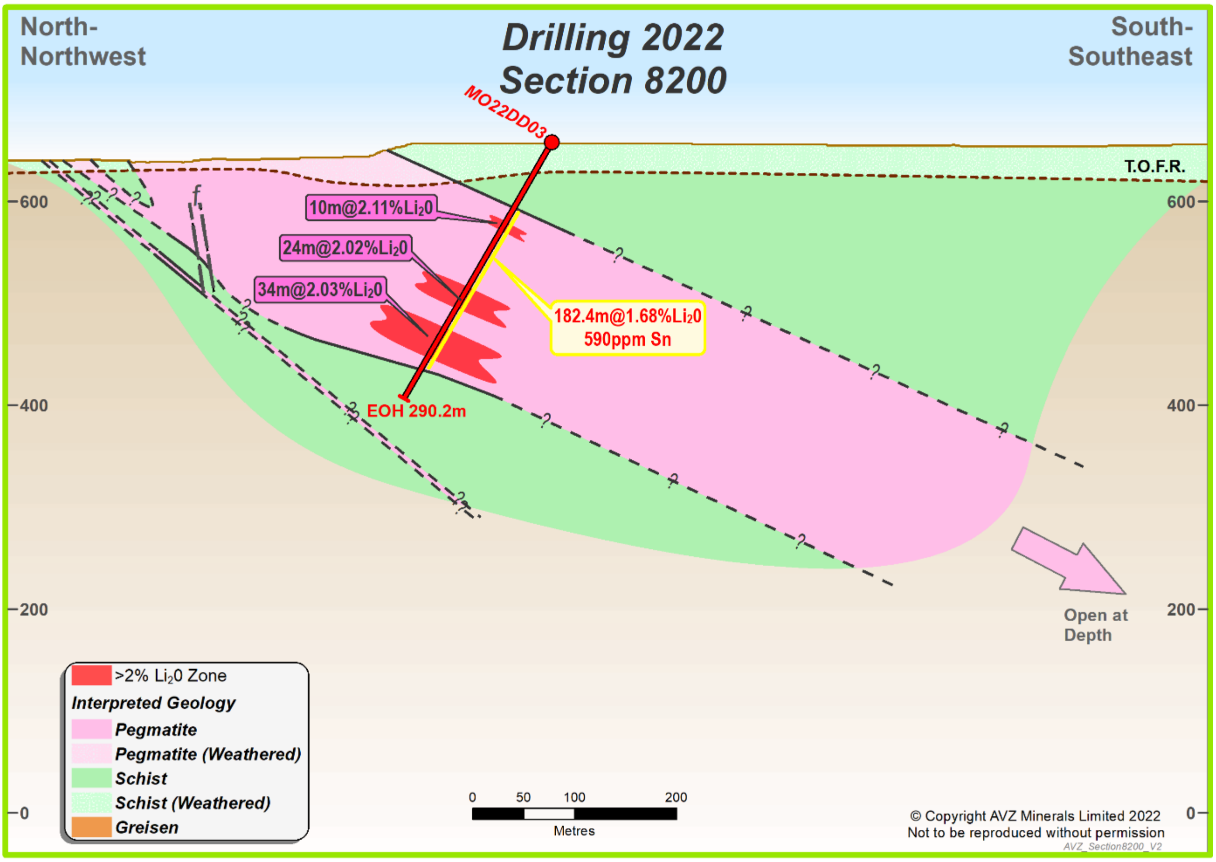


*Figure 7: Intersections achieved by MO22DD003 drilled on section 8,200mN*

This release was authorised by Nigel Ferguson, Managing Director of AVZ Minerals Limited.

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Competent Person's Statement

The information in this report that relates to metallurgical test work results is based on, and fairly represents information complied and reviewed by Mr Nigel Ferguson, a Competent Person who is a Fellow of The Australasian Institute of Mining and Metallurgy and Member of the Australian Institute of Geoscientists. Mr Ferguson is a Director 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 Resource and Ore Reserves". Mr Ferguson consents to the inclusion in this report of the matters based on this information in the form and context in which it appears.

ABOUT MANONO LITHIUM AND TIN PROJECT

AVZ holds a 75% interest in the Manono Project, located 500km north of Lubumbashi in the south of the Democratic Republic of Congo, hosting the world class **Roche Dure Mineral Resource,** one of the largest undeveloped hard rock lithium deposits in the world.

The Manono Project is strategically positioned as a clean, sustainable source of lithium, significantly contributing to the green energy transition, feeding the global lithium-ion battery value chain. With industry leading ESG credentials, it is forecast to be one of the lowest carbon emitting hard rock mines in the world.

NO NEW INFORMATION

This document may include references to information that relates to Mineral Resources and Ore Reserves prepared and first disclosed under the JORC Code 2012. The information references the Company's previous ASX announcements noting the following:

- Mineral Resources and Ore Reserves for the Manono Lithium and Tin Operation "MLTO" or Roche Dure reference the Company's previous ASX Announcements "JORC Ore Reserves increase by 41.6% at Roche Dure" released to ASX on 14 July 2021 and "Updated Mineral Resource Estimate Includes Pit Floor "Wedge" Drill Results" released to ASX on 24 May 2021.
- Any reference to Carriere de l'Este mineral resource estimate (MRE) should be read in conjunction with the Company's previous ASX Announcement "Assays from Carriere de l'Este drilling confirms deposit a likely rival to Roche Dure" dated 16 August 2021.
- Any reference to tin exploration targets should be read in conjunction with the Company's previous ASX Announcement "Initial Exploration Target for Alluvial Placer Hosted Tin Defined at the Manono Lithium and Tin Project" dated 18 May 2021.
- The Definitive Feasibility Study (DFS) refers to the April 2020 DFS, announced to the ASX on 21 April 2020.

These announcements are available to view on the Company's website www.avzminerals.com.au. The Company confirms it is not aware of any new information or data that materially affects the information included in the relevant market announcements and, in the case of estimates of Mineral Resources and Ore Reserves, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Persons' findings are presented have not been materially modified from the relevant original market announcements

FORWARD LOOKING INFORMATION

This announcement contains certain forward-looking statements and comments about future events, including the Company's expectations about the Manono Project and the performance of its businesses. Forward looking statements can generally be identified by the use of forward-looking words such as 'expect', 'anticipate', 'likely', 'intend', 'should', 'could', 'may', 'predict', 'plan', 'propose', 'will', 'believe', 'forecast', 'estimate', 'target' and other similar expressions within the meaning of securities laws of applicable jurisdictions. Indications of, and guidance on, future earnings or financial position or performance are also forward-looking statements.

Forward looking statements involve inherent risks and uncertainties, both general and specific, and there is a risk that such predictions, forecasts, projections and other forward-looking statements will not be achieved. Forward looking statements are provided as a general guide only and should not be relied on as an indication or guarantee of future performance. Forward looking statements involve known and unknown risks, uncertainty and other factors which can cause the Company's actual results to differ materially from the plans, objectives, expectations, estimates and intentions expressed in such forward-looking statements and many of these factors are outside the control of the Company. As such, undue reliance should not be placed on any forward-looking statement. Past performance is not necessarily a guide to future performance and no representation or warranty is made by any person as to the likelihood of achievement or reasonableness of any forward-looking statements, forecast financial information or other forecast. Nothing contained in this announcement nor any information made available to you is, or shall be relied upon as, a promise, representation, warranty or guarantee as to the past, present or the future performance of the Company.

Except as required by law or the ASX Listing Rules, the Company assumes no obligation to provide any additional or updated information or to update any forward-looking statements, whether as a result of new information, future events or results, or otherwise.

Appendix 1

Collar Table for holes MO22DD001 to MO22DD004

| Drill Hole_ID | Drilling Method | Section Line | Easting (mE) * | Northing (mN) * | Elevation (m)* | Datum | Zone | Dip (degrees) | Azimuth (mag degrees) | EOH (m) |
|---|---|---|---|---|---|---|---|---|---|---|
| MO22DD001 | DDH | 7800 | 542698 | 9190054 | 600 | WGS84 | 35S | -60 | 330 | 289.90 |
| MO22DD002 | DDH | 8000 | 542857 | 9190178 | 640 | WGS84 | 35S | -60 | 330 | 179.55 |
| MO22DD003 | DDH | 8200 | 543117 | 9190132 | 658 | WGS84 | 35S | -60 | 330 | 290.2 |
| MO22DD004 | DDH | 8000 | 542806 | 9190266 | 640 | WGS84 | 35S | -60 | 330 | 127.90 |

* *Hole co-ordinates and elevations collected by handheld GPS. Final survey co-ordinate data to be collated at the end of the drill programme.*

## Appendix 2
## Down-hole Survey Table MO22DD001 to MO22DD004

| Hole_ID | Depth (m) | Inclination (deg) | Azimuth (deg) |
|---|---|---|---|
| MO22DD001 | 30 | -59.2 | 336.8 |
| MO22DD001 | 60 | -59.4 | 335.7 |
| MO22DD001 | 90 | -59.4 | 334.2 |
| MO22DD001 | 120 | -58.9 | 337.7 |
| MO22DD001 | 150 | -57.7 | 336.5 |
| MO22DD001 | 180 | -57.5 | 339.3 |
| MO22DD001 | 210 | -56.5 | 338.1 |
| MO22DD001 | 240 | -55.3 | 341.3 |
| MO22DD001 | 270 | -54.1 | 342.2 |
| MO22DD001 | 289 | -53.7 | 342 |
| MO22DD002 | 30 | -60.2 | 333.2 |
| MO22DD002 | 60 | -59.9 | 334.1 |
| MO22DD002 | 90 | -59.7 | 334.8 |
| MO22DD002 | 120 | -60.3 | 330.5 |
| MO22DD002 | 150 | -59.3 | 335.3 |
| MO22DD002 | 179 | -59.2 | 335.4 |
| MO22DD003 | 30 | -60 | 330.0 |
| MO22DD003 | 60 | -60.1 | 330.7 |
| MO22DD003 | 90 | -60.8 | 330.2 |
| MO22DD003 | 120 | -60.7 | 329.1 |
| MO22DD003 | 150 | -61.0 | 330.5 |
| MO22DD003 | 180 | -60.6 | 331.2 |
| MO22DD003 | 210 | -60.5 | 332.0 |
| MO22DD003 | 240 | -60.20 | 332.4 |
| MO22DD003 | 270 | -60.0 | 333.3 |
| MO22DD003 | 290 | -61.1 | 333.0 |
| MO22DD004 | 30 | -60.0 | 330.0 |
| MO22DD004 | 60 | -60.3 | 335.1 |
| MO22DD004 | 90 | -60.3 | 335.0 |
| MO22DD004 | 120 | -60.2 | 335.60 |
| MO22DD004 | 127 | -60.1 | 335.7 |

Appendix 3

Assay Results for holes MO22DD001 to MO22DD004

| Drill Hole ID | From (m) | To (m) | Lithology | Sample_ ID | Li2O (%) | Sn (ppm) |
|---|---|---|---|---|---|---|
| MO22DD001 | 0 | 44.56 | Waste zone | NS | | |
| MO22DD001 | 44.56 | 45.56 | HMs | 53351 | 0.258 | 42 |
| MO22DD001 | 45.56 | 46.1 | Qv | 53352 | 0.088 | <5 |
| MO22DD001 | 46.1 | 47 | HMs | 53353 | 0.088 | 50 |
| MO22DD001 | 47 | 47.67 | Peg | 53354 | 0.054 | 426 |
| MO22DD001 | 47.67 | 48.7 | Peg | 53355 | 0.054 | 882 |
| MO22DD001 | 48.7 | 49.7 | Peg | 53356 | 1.445 | 312 |
| MO22DD001 | 49.7 | 50.4 | Peg | 53357 | 0.127 | 104 |
| MO22DD001 | 50.4 | 51.18 | Peg | 53358 | 0.741 | 68 |
| MO22DD001 | 51.18 | 52 | Peg | 53359 | 0.484 | 3450 |
| MO22DD001 | 52 | 52 | Peg | 53360 | 1.355 | 1295 |
| MO22DD001 | 52 | 53 | Peg | 53361 | 2.21 | 446 |
| MO22DD001 | 53 | 54 | Peg | 53362 | 1.35 | 1175 |
| MO22DD001 | 54 | 55 | Peg | 53363 | 1.82 | 657 |
| MO22DD001 | 55 | 56 | Peg | 53364 | 1.45 | 1200 |
| MO22DD001 | 56 | 57 | Peg | 53366 | 1.655 | 594 |
| MO22DD001 | 57 | 58 | Peg | 53367 | 1.755 | 1170 |
| MO22DD001 | 58 | 59 | Peg | 53368 | 2.43 | 1685 |
| MO22DD001 | 59 | 60 | Peg | 53369 | 1.965 | 1570 |
| MO22DD001 | 60 | 61 | Peg | 53370 | 1.78 | 795 |
| MO22DD001 | 61 | 62 | Peg | 53371 | 1.97 | 509 |
| MO22DD001 | 62 | 63 | Peg | 53372 | 2.08 | 545 |
| MO22DD001 | 63 | 64 | Peg | 53373 | 1.18 | 809 |
| MO22DD001 | 64 | 65 | Peg | 53374 | 1.845 | 745 |
| MO22DD001 | 65 | 66 | Peg | 53376 | 1.64 | 1525 |
| MO22DD001 | 66 | 67 | Peg | 53377 | 1.025 | 1035 |
| MO22DD001 | 67 | 68 | Peg | 53378 | 1.615 | 1350 |
| MO22DD001 | 68 | 69 | Peg | 53379 | 1.485 | 5070 |
| MO22DD001 | 69 | 70 | Peg | 53381 | 2.04 | 1270 |
| MO22DD001 | 70 | 71 | Peg | 53382 | 0.391 | 896 |
| MO22DD001 | 71 | 71.67 | Peg | 53383 | 2.47 | 1165 |
| MO22DD001 | 71.67 | 73 | Peg | 53384 | 1.375 | 704 |
| MO22DD001 | 73 | 75 | Peg | 53386 | 2.18 | 1405 |
| MO22DD001 | 75 | 77 | Peg | 53387 | 0.743 | 761 |
| MO22DD001 | 77 | 79 | Peg | 53388 | 2.2 | 820 |
| MO22DD001 | 79 | 81 | Peg | 53389 | 1.18 | 311 |
| MO22DD001 | 81 | 83 | Peg | 53390 | 1.65 | 375 |
| MO22DD001 | 83 | 85 | Peg | 53391 | 1.69 | 792 |
| MO22DD001 | 85 | 87 | Peg | 53392 | 1.65 | 1615 |
| MO22DD001 | 87 | 89 | Peg | 53393 | 1.785 | 638 |
| MO22DD001 | 89 | 91 | Peg | 53394 | 1.49 | 741 |
| MO22DD001 | 91 | 93 | Peg | 53395 | 2.07 | 1290 |
| MO22DD001 | 93 | 95 | Peg | 53396 | 2.31 | 2380 |
| MO22DD001 | 95 | 97 | Peg | 53397 | 1.685 | 604 |
| MO22DD001 | 97 | 99 | Peg | 53398 | 1.335 | 368 |
| MO22DD001 | 99 | 101 | Peg | 53399 | 1.995 | 3180 |

| Drill Hole ID | From (m) | To (m) | Lithology | Sample_ ID | Li2O (%) | Sn (ppm) |
|---|---|---|---|---|---|---|
| MO22DD001 | 101 | 103 | Peg | 53401 | 2.43 | 306 |
| MO22DD001 | 103 | 105 | Peg | 53402 | 1.375 | 876 |
| MO22DD001 | 105 | 107 | Peg | 53403 | 0.916 | 1665 |
| MO22DD001 | 107 | 109 | Peg | 53404 | 1.605 | 2010 |
| MO22DD001 | 109 | 111 | Peg | 53406 | 2.05 | 299 |
| MO22DD001 | 111 | 113 | Peg | 53407 | 1.425 | 352 |
| MO22DD001 | 113 | 115 | Peg | 53408 | 1.42 | 258 |
| MO22DD001 | 115 | 117 | Peg | 53409 | 1.51 | 479 |
| MO22DD001 | 117 | 119 | Peg | 53410 | 1.91 | 341 |
| MO22DD001 | 119 | 121 | Peg | 53411 | 1.555 | 559 |
| MO22DD001 | 121 | 123 | Peg | 53412 | 2.1 | 303 |
| MO22DD001 | 123 | 125 | Peg | 53413 | 1.215 | 460 |
| MO22DD001 | 125 | 127 | Peg | 53414 | 1.675 | 239 |
| MO22DD001 | 127 | 129 | Peg | 53416 | 1.22 | 1890 |
| MO22DD001 | 129 | 131 | Peg | 53417 | 1.08 | 845 |
| MO22DD001 | 131 | 133 | Peg | 53418 | 0.948 | 528 |
| MO22DD001 | 133 | 135 | Peg | 53419 | 0.701 | 609 |
| MO22DD001 | 135 | 137 | Peg | 53421 | 1.695 | 584 |
| MO22DD001 | 137 | 139 | Peg | 53422 | 0.877 | 604 |
| MO22DD001 | 139 | 141 | Peg | 53423 | 1.73 | 521 |
| MO22DD001 | 141 | 143 | Peg | 53424 | 1.23 | 1185 |
| MO22DD001 | 143 | 145 | Peg | 53426 | 1.085 | 316 |
| MO22DD001 | 145 | 147 | Peg | 53427 | 1.05 | 806 |
| MO22DD001 | 147 | 149 | Peg | 53428 | 2.68 | 216 |
| MO22DD001 | 149 | 151 | Peg | 53429 | 1.17 | 632 |
| MO22DD001 | 151 | 153 | Peg | 53430 | 1.025 | 835 |
| MO22DD001 | 153 | 155 | Peg | 53431 | 2.03 | 871 |
| MO22DD001 | 155 | 157 | Peg | 53432 | 2.87 | 533 |
| MO22DD001 | 157 | 159 | Peg | 53433 | 0.601 | 442 |
| MO22DD001 | 159 | 161 | Peg | 53434 | 0.938 | 345 |
| MO22DD001 | 161 | 163 | Peg | 53435 | 1.47 | 175 |
| MO22DD001 | 163 | 165 | Peg | 53436 | 2.94 | 411 |
| MO22DD001 | 165 | 167 | Peg | 53437 | 1.96 | 295 |
| MO22DD001 | 167 | 169 | Peg | 53438 | 1.515 | 282 |
| MO22DD001 | 169 | 171 | Peg | 53439 | 1.84 | 1820 |
| MO22DD001 | 171 | 173 | Peg | 53441 | 1.74 | 870 |
| MO22DD001 | 173 | 175 | Peg | 53442 | 1.8 | 966 |
| MO22DD001 | 175 | 177 | Peg | 53443 | 2.35 | 1550 |
| MO22DD001 | 177 | 179 | Peg | 53444 | 1.54 | 1160 |
| MO22DD001 | 179 | 181 | Peg | 53446 | 1.28 | 980 |
| MO22DD001 | 181 | 183 | Peg | 53447 | 1.31 | 938 |
| MO22DD001 | 183 | 185 | Peg | 53448 | 1.78 | 822 |
| MO22DD001 | 185 | 187 | Peg | 53449 | 1.84 | 1060 |
| MO22DD001 | 187 | 189 | Peg | 53450 | 1.74 | 1315 |
| MO22DD001 | 189 | 191 | Peg | 53451 | 1.575 | 1180 |
| MO22DD001 | 191 | 193 | Peg | 53452 | 2.06 | 994 |
| MO22DD001 | 193 | 195 | Peg | 53453 | 1.77 | 2030 |
| MO22DD001 | 195 | 197 | Peg | 53454 | 1.39 | 1185 |
| MO22DD001 | 197 | 199 | Peg | 53456 | 1.415 | 1135 |

| Drill Hole ID | From (m) | To (m) | Lithology | Sample_ ID | Li2O (%) | Sn (ppm) |
|---|---|---|---|---|---|---|
| MO22DD001 | 199 | 201 | Peg | 53457 | 1.415 | 717 |
| MO22DD001 | 201 | 203 | Peg | 53458 | 2.06 | 1360 |
| MO22DD001 | 203 | 205 | Peg | 53459 | 1.47 | 1275 |
| MO22DD001 | 205 | 207 | Peg | 53461 | 1.285 | 1020 |
| MO22DD001 | 207 | 209 | Peg | 53462 | 1.965 | 477 |
| MO22DD001 | 209 | 211 | Peg | 53463 | 1.965 | 287 |
| MO22DD001 | 211 | 213 | Peg | 53464 | 1.81 | 780 |
| MO22DD001 | 213 | 215 | Peg | 53466 | 1.6 | 448 |
| MO22DD001 | 215 | 217 | Peg | 53467 | 1.7 | 481 |
| MO22DD001 | 217 | 219 | Peg | 53468 | 2.15 | 326 |
| MO22DD001 | 219 | 221 | Peg | 53469 | 1.8 | 901 |
| MO22DD001 | 221 | 223 | Peg | 53470 | 1.93 | 1445 |
| MO22DD001 | 223 | 225 | Peg | 53471 | 1.475 | 1575 |
| MO22DD001 | 225 | 227 | Peg | 53472 | 1.415 | 1205 |
| MO22DD001 | 227 | 229 | Peg | 53473 | 1.655 | 2240 |
| MO22DD001 | 229 | 231 | Peg | 53474 | 1.675 | 800 |
| MO22DD001 | 231 | 233 | Peg | 53475 | 2.01 | 150 |
| MO22DD001 | 233 | 235 | Peg | 53476 | 1.48 | 1125 |
| MO22DD001 | 235 | 237 | Peg | 53477 | 1.83 | 1460 |
| MO22DD001 | 237 | 239 | Peg | 53478 | 1.78 | 1185 |
| MO22DD001 | 239 | 241 | Peg | 53479 | 1.92 | 1150 |
| MO22DD001 | 241 | 243 | Peg | 53481 | 1.86 | 1180 |
| MO22DD001 | 243 | 245 | Peg | 53482 | 2.22 | 640 |
| MO22DD001 | 245 | 247 | Peg | 53483 | 2.73 | 588 |
| MO22DD001 | 247 | 249 | Peg | 53484 | 0.767 | 325 |
| MO22DD001 | 249 | 251 | Peg | 53486 | 1.69 | 471 |
| MO22DD001 | 251 | 253 | Peg | 53487 | 2.16 | 633 |
| MO22DD001 | 253 | 255 | Peg | 53488 | 2.49 | 710 |
| MO22DD001 | 255 | 257 | Peg | 53489 | 1.835 | 887 |
| MO22DD001 | 257 | 259 | Peg | 53490 | 2.4 | 1130 |
| MO22DD001 | 259 | 261 | Peg | 53491 | 2.12 | 773 |
| MO22DD001 | 261 | 263 | Peg | 53492 | 1.67 | 780 |
| MO22DD001 | 263 | 265 | Peg | 53493 | 1.93 | 523 |
| MO22DD001 | 265 | 267 | Peg | 53494 | 1.75 | 464 |
| MO22DD001 | 267 | 269 | Peg | 53496 | 1.8 | 748 |
| MO22DD001 | 269 | 271 | Peg | 53497 | 1.97 | 1105 |
| MO22DD001 | 271 | 273 | Peg | 53498 | 1.435 | 661 |
| MO22DD001 | 273 | 274.51 | Peg | 53499 | 0.064 | 4520 |
| MO22DD001 | 274.51 | 275.19 | Greisen | 53501 | 0.333 | 56 |
| MO22DD001 | 275.19 | 277.19 | HMS | 53502 | 0.258 | 42 |
| MO22DD001 | 277.19 | 279.19 | HMS | 53503 | 0.088 | <5 |
| MO22DD002 | 0 | 4.35 | Core loss | NS | | |
| MO22DD002 | 4.35 | 5.65 | Overburden | NS | | |
| MO22DD002 | 5.65 | 6 | Core loss | NS | | |
| MO22DD002 | 6 | 6.9 | Peg | 53511 | 0.012 | 351 |
| MO22DD002 | 6.9 | 7.8 | Core loss | NS | | |
| MO22DD002 | 7.8 | 8.3 | Peg | 53512 | 0.123 | 4760 |
| MO22DD002 | 8.3 | 10.8 | Core loss | NS | | |
| MO22DD002 | 10.8 | 11.2 | Peg | 53513 | 0.105 | 267 |

| Drill Hole ID | From (m) | To (m) | Lithology | Sample_ ID | Li2O (%) | Sn (ppm) |
|---|---|---|---|---|---|---|
| MO22DD002 | 11.2 | 12.3 | Core loss | NS | | |
| MO22DD002 | 12.3 | 13.3 | Peg | 53514 | 0.113 | 678 |
| MO22DD002 | 13.3 | 13.8 | Core loss | NS | | |
| MO22DD002 | 13.8 | 14.5 | Peg | 53515 | 0.1 | 604 |
| MO22DD002 | 14.5 | 15.3 | Core loss | NS | | |
| MO22DD002 | 15.3 | 15.8 | Peg | 53516 | 0.129 | 376 |
| MO22DD002 | 15.8 | 16.8 | Core loss | NS | | |
| MO22DD002 | 16.8 | 18 | Peg | 53517 | 0.111 | 935 |
| MO22DD002 | 18 | 18.3 | Core loss | NS | | |
| MO22DD002 | 18.3 | 19.8 | Peg | 53518 | 0.158 | 687 |
| MO22DD002 | 19.8 | 21 | Peg | 53519 | 2.46 | 585 |
| MO22DD002 | 21 | 23 | Peg | 53521 | 2.1 | 3170 |
| MO22DD002 | 23 | 25 | Peg | 53522 | 2.33 | 1985 |
| MO22DD002 | 25 | 27 | Peg | 53523 | 1.36 | 1385 |
| MO22DD002 | 27 | 29 | Peg | 53524 | 1.41 | 2310 |
| MO22DD002 | 29 | 31 | Peg | 53526 | 1.635 | 247 |
| MO22DD002 | 31 | 33 | Peg | 53527 | 2.07 | 1180 |
| MO22DD002 | 33 | 35 | Peg | 53528 | 1.255 | 769 |
| MO22DD002 | 35 | 37 | Peg | 53529 | 0.929 | 1290 |
| MO22DD002 | 37 | 39 | Peg | 53530 | 1.395 | 557 |
| MO22DD002 | 39 | 41 | Peg | 53531 | 1.74 | 387 |
| MO22DD002 | 41 | 43 | Peg | 53532 | 0.683 | 991 |
| MO22DD002 | 43 | 45 | Peg | 53533 | 0.374 | 535 |
| MO22DD002 | 45 | 47 | Peg | 53534 | 0.289 | 596 |
| MO22DD002 | 47 | 49 | Peg | 53536 | 0.664 | 566 |
| MO22DD002 | 49 | 51 | Peg | 53537 | 1.325 | 627 |
| MO22DD002 | 51 | 53 | Peg | 53538 | 1.25 | 788 |
| MO22DD002 | 53 | 54.25 | Core Loss | NS_010 | | |
| MO22DD002 | 54.25 | 56 | Peg | 53539 | 1.49 | 511 |
| MO22DD002 | 56 | 58 | Peg | 53541 | 1.845 | 1040 |
| MO22DD002 | 58 | 60 | Peg | 53542 | 1.19 | 339 |
| MO22DD002 | 60 | 62 | Peg | 53543 | 1.425 | 426 |
| MO22DD002 | 62 | 64 | Peg | 53544 | 1.985 | 302 |
| MO22DD002 | 64 | 66 | Peg | 53546 | 0.793 | 611 |
| MO22DD002 | 66 | 68 | Peg | 53547 | 2.9 | 847 |
| MO22DD002 | 68 | 70 | Peg | 53548 | 1.505 | 733 |
| MO22DD002 | 70 | 72 | Peg | 53549 | 1.83 | 560 |
| MO22DD002 | 72 | 74 | Peg | 53550 | 1.22 | 646 |
| MO22DD002 | 74 | 76 | Peg | 53551 | 0.624 | 765 |
| MO22DD002 | 76 | 78 | Peg | 53552 | 0.189 | 723 |
| MO22DD002 | 78 | 80 | Peg | 53553 | 0.865 | 2960 |
| MO22DD002 | 80 | 82 | Peg | 53554 | 2.18 | 1210 |
| MO22DD002 | 82 | 84 | Peg | 53555 | 1.705 | 2590 |
| MO22DD002 | 84 | 86 | Peg | 53556 | 2.17 | 372 |
| MO22DD002 | 86 | 88 | Peg | 53557 | 1.91 | 281 |
| MO22DD002 | 88 | 90 | Peg | 53558 | 2.24 | 807 |
| MO22DD002 | 90 | 92 | Peg | 53559 | 2.76 | 364 |
| MO22DD002 | 92 | 94 | Peg | 53561 | 0.624 | 1260 |
| MO22DD002 | 94 | 96 | Peg | 53562 | 2.25 | 434 |

| Drill Hole ID | From (m) | To (m) | Lithology | Sample_ ID | Li2O (%) | Sn (ppm) |
|---|---|---|---|---|---|---|
| MO22DD002 | 96 | 98 | Peg | 53563 | 0.932 | 1635 |
| MO22DD002 | 98 | 100 | Peg | 53564 | 1.515 | 1375 |
| MO22DD002 | 100 | 102 | Peg | 53566 | 1.395 | 543 |
| MO22DD002 | 102 | 104 | Peg | 53567 | 1.715 | 764 |
| MO22DD002 | 104 | 106 | Peg | 53568 | 1.97 | 600 |
| MO22DD002 | 106 | 108 | Peg | 53569 | 1.355 | 660 |
| MO22DD002 | 108 | 110 | Peg | 53570 | 2.23 | 592 |
| MO22DD002 | 110 | 112 | Peg | 53571 | 1.595 | 1070 |
| MO22DD002 | 112 | 114 | Peg | 53572 | 0.84 | 941 |
| MO22DD002 | 114 | 116 | Peg | 53573 | 1.905 | 1020 |
| MO22DD002 | 116 | 118 | Peg | 53574 | 1.17 | 1690 |
| MO22DD002 | 118 | 120 | Peg | 53576 | 1.42 | 1650 |
| MO22DD002 | 120 | 122 | Peg | 53577 | 1.425 | 401 |
| MO22DD002 | 122 | 124 | Peg | 53578 | 0.848 | 1250 |
| MO22DD002 | 124 | 126 | Peg | 53579 | 1.52 | 1240 |
| MO22DD002 | 126 | 128 | Peg | 53581 | 1.67 | 899 |
| MO22DD002 | 128 | 130 | Peg | 53582 | 0.904 | 1685 |
| MO22DD002 | 130 | 132 | Peg | 53583 | 1.65 | 1775 |
| MO22DD002 | 132 | 134 | Peg | 53584 | 1.425 | 2200 |
| MO22DD002 | 134 | 136 | Peg | 53586 | 2.76 | 876 |
| MO22DD002 | 136 | 138 | Peg | 53587 | 1.435 | 548 |
| MO22DD002 | 138 | 140 | Peg | 53588 | 1.385 | 2030 |
| MO22DD002 | 140 | 142 | Peg | 53589 | 1.58 | 800 |
| MO22DD002 | 142 | 144 | Peg | 53590 | 2.46 | 862 |
| MO22DD002 | 144 | 146 | Peg | 53591 | 2.14 | 521 |
| MO22DD002 | 146 | 148 | Peg | 53592 | 0.745 | 1015 |
| MO22DD002 | 148 | 150 | Peg | 53593 | 1.845 | 608 |
| MO22DD002 | 150 | 152 | Peg | 53594 | 1.41 | 593 |
| MO22DD002 | 152 | 153.48 | Peg/contact HMS | 53595 | 1.225 | 701 |
| MO22DD002 | 153.48 | 154 | HMS | 53596 | 2.26 | 639 |
| MO22DD002 | 154 | 156 | Peg | 53597 | 0.992 | 453 |
| MO22DD002 | 156 | 158 | Peg | 53598 | 2.32 | 453 |
| MO22DD002 | 158 | 160 | Peg | 53599 | 1.435 | 3000 |
| MO22DD002 | 160 | 160.72 | Peg | 53601 | 0.08 | 1000 |
| MO22DD002 | 160.72 | 162.72 | HMS | 53602 | 0.336 | 136 |
| MO22DD002 | 162.72 | 164.72 | HMS | 53603 | 0.385 | 41 |
| MO22DD003 | 0 | 68.1 | HMS | NS_00 | | |
| MO22DD003 | 68.1 | 70 | HMS | 53611 | 0.099 | 68 |
| MO22DD003 | 70 | 70.8 | core loss | NS_01 | | |
| MO22DD003 | 70.8 | 71.1 | HMS | 53612 | 0.116 | 96 |
| MO22DD003 | 71.1 | 72 | Greisen | 53613 | 0.056 | 801 |
| MO22DD003 | 72 | 72.8 | Greisen | 53614 | 0.065 | 621 |
| MO22DD003 | 72.8 | 74.3 | core loss | NS_02 | | |
| MO22DD003 | 74.3 | 76 | Peg | 53615 | 0.715 | 317 |
| MO22DD003 | 76 | 78 | Peg | 53616 | 0.11 | 681 |
| MO22DD003 | 78 | 80 | Peg | 53617 | 0.39 | 919 |
| MO22DD003 | 80 | 82 | Peg | 53618 | 2.57 | 406 |
| MO22DD003 | 82 | 84 | Peg | 53619 | 1.67 | 805 |

| Drill Hole ID | From (m) | To (m) | Lithology | Sample_ ID | Li2O (%) | Sn (ppm) |
|---|---|---|---|---|---|---|
| MO22DD003 | 84 | 86 | Peg | 53621 | 1.865 | 699 |
| MO22DD003 | 86 | 88 | Peg | 53622 | 1.035 | 863 |
| MO22DD003 | 88 | 90 | Peg | 53623 | 1.55 | 469 |
| MO22DD003 | 90 | 92 | Peg | 53624 | 2.01 | 938 |
| MO22DD003 | 92 | 94 | Peg | 53626 | 2.82 | 155 |
| MO22DD003 | 94 | 96 | Peg | 53627 | 2.09 | 204 |
| MO22DD003 | 96 | 98 | Peg | 53628 | 1.555 | 519 |
| MO22DD003 | 98 | 100 | Peg | 53629 | 2.09 | 470 |
| MO22DD003 | 100 | 102 | Peg | 53630 | 1.58 | 201 |
| MO22DD003 | 102 | 104.2 | Peg | 53631 | 1.64 | 348 |
| MO22DD003 | 104.2 | 104.5 | core loss | NS_03 | | |
| MO22DD003 | 104.5 | 106 | Peg | 53632 | 1.695 | 186 |
| MO22DD003 | 106 | 108 | Peg | 53633 | 1.34 | 895 |
| MO22DD003 | 108 | 110 | Peg | 53634 | 1.56 | 275 |
| MO22DD003 | 110 | 112 | Peg | 53636 | 1.835 | 204 |
| MO22DD003 | 112 | 114 | Peg | 53637 | 1.52 | 359 |
| MO22DD003 | 114 | 116 | Peg | 53638 | 1.295 | 975 |
| MO22DD003 | 116 | 118 | Peg | 53639 | 0.426 | 1030 |
| MO22DD003 | 118 | 120 | Peg | 53641 | 1.465 | 755 |
| MO22DD003 | 120 | 122 | Peg | 53642 | 1.13 | 488 |
| MO22DD003 | 122 | 124 | Peg | 53643 | 3.59 | 908 |
| MO22DD003 | 124 | 126 | Peg | 53644 | 2.49 | 299 |
| MO22DD003 | 126 | 128 | Peg | 53646 | 1.23 | 238 |
| MO22DD003 | 128 | 130 | Peg | 53647 | 0.773 | 563 |
| MO22DD003 | 130 | 132 | Peg | 53648 | 2.4 | 508 |
| MO22DD003 | 132 | 134 | Peg | 53649 | 1.98 | 485 |
| MO22DD003 | 134 | 136 | Peg | 53650 | 1.295 | 269 |
| MO22DD003 | 136 | 138 | Peg | 53651 | 0.369 | 207 |
| MO22DD003 | 138 | 140 | Peg | 53652 | 1.76 | 274 |
| MO22DD003 | 140 | 142 | Peg | 53653 | 2.45 | 913 |
| MO22DD003 | 142 | 144 | Peg | 53654 | 1.41 | 1005 |
| MO22DD003 | 144 | 146 | Peg | 53655 | 1.28 | 200 |
| MO22DD003 | 146 | 148 | Peg | 53656 | 3.31 | 872 |
| MO22DD003 | 148 | 150 | Peg | 53657 | 1.49 | 346 |
| MO22DD003 | 150 | 152 | Peg | 53658 | 0.936 | 238 |
| MO22DD003 | 152 | 154 | Peg | 53659 | 1.37 | 174 |
| MO22DD003 | 154 | 156 | Peg | 53661 | 1.405 | 137 |
| MO22DD003 | 156 | 158 | Peg | 53662 | 2.2 | 289 |
| MO22DD003 | 158 | 160 | Peg | 53663 | 0.799 | 146 |
| MO22DD003 | 160 | 162 | Peg | 53664 | 1.05 | 244 |
| MO22DD003 | 162 | 164 | Peg | 53666 | 1.04 | 249 |
| MO22DD003 | 164 | 166 | Peg | 53667 | 2.44 | 415 |
| MO22DD003 | 166 | 168 | Peg | 53668 | 2.53 | 376 |
| MO22DD003 | 168 | 170 | Peg | 53669 | 1.685 | 343 |
| MO22DD003 | 170 | 172 | Peg | 53670 | 1.08 | 771 |
| MO22DD003 | 172 | 174 | Peg | 53671 | 2.62 | 342 |
| MO22DD003 | 174 | 176 | Peg | 53672 | 1.675 | 614 |
| MO22DD003 | 176 | 178 | Peg | 53673 | 1.265 | 1165 |
| MO22DD003 | 178 | 180 | Peg | 53674 | 1.37 | 1385 |

| Drill Hole ID | From (m) | To (m) | Lithology | Sample_ ID | Li2O (%) | Sn (ppm) |
|---|---|---|---|---|---|---|
| MO22DD003 | 180 | 182 | Peg | 53676 | 2.62 | 602 |
| MO22DD003 | 182 | 184 | Peg | 53677 | 2.76 | 387 |
| MO22DD003 | 184 | 186 | Peg | 53678 | 1.74 | 637 |
| MO22DD003 | 186 | 188 | Peg | 53679 | 2.42 | 380 |
| MO22DD003 | 188 | 190 | Peg | 53681 | 1.15 | 814 |
| MO22DD003 | 190 | 192 | Peg | 53682 | 1.585 | 625 |
| MO22DD003 | 192 | 194 | Peg | 53683 | 1.86 | 787 |
| MO22DD003 | 194 | 196 | Peg | 53684 | 1.25 | 2760 |
| MO22DD003 | 196 | 198 | Peg | 53686 | 2.6 | 411 |
| MO22DD003 | 198 | 200 | Peg | 53687 | 0.866 | 673 |
| MO22DD003 | 200 | 202 | Peg | 53688 | 1.85 | 434 |
| MO22DD003 | 202 | 204 | Peg | 53689 | 1.49 | 606 |
| MO22DD003 | 204 | 206 | Peg | 53690 | 1.3 | 738 |
| MO22DD003 | 206 | 208 | Peg | 53691 | 1.375 | 782 |
| MO22DD003 | 208 | 210 | Peg | 53692 | 1.13 | 414 |
| MO22DD003 | 210 | 212 | Peg | 53693 | 2.29 | 654 |
| MO22DD003 | 212 | 214 | Peg | 53694 | 1.565 | 703 |
| MO22DD003 | 214 | 216 | Peg | 53695 | 1.735 | 905 |
| MO22DD003 | 216 | 218 | Peg | 53696 | 1.745 | 498 |
| MO22DD003 | 218 | 220 | Peg | 53697 | 2.31 | 771 |
| MO22DD003 | 220 | 222 | Peg | 53698 | 1.01 | 349 |
| MO22DD003 | 222 | 224 | Peg | 53699 | 2.31 | 290 |
| MO22DD003 | 224 | 226 | Peg | 53701 | 1.66 | 915 |
| MO22DD003 | 226 | 228 | Peg | 53702 | 2.01 | 692 |
| MO22DD003 | 228 | 230 | Peg | 53703 | 1.575 | 336 |
| MO22DD003 | 230 | 232 | Peg | 53704 | 2.11 | 1205 |
| MO22DD003 | 232 | 234 | Peg | 53706 | 2.76 | 1020 |
| MO22DD003 | 234 | 236 | Peg | 53707 | 1.945 | 1300 |
| MO22DD003 | 236 | 238 | Peg | 53708 | 1.325 | 393 |
| MO22DD003 | 238 | 240 | Peg | 53709 | 1.85 | 742 |
| MO22DD003 | 240 | 242 | Peg | 53710 | 2.21 | 482 |
| MO22DD003 | 242 | 244 | Peg | 53711 | 2.31 | 561 |
| MO22DD003 | 244 | 246 | Peg | 53712 | 1.8 | 380 |
| MO22DD003 | 246 | 248 | Peg | 53713 | 1.395 | 382 |
| MO22DD003 | 248 | 250 | Peg | 53714 | 2.02 | 544 |
| MO22DD003 | 250 | 252 | Peg | 53716 | 1.83 | 458 |
| MO22DD003 | 252 | 254 | Peg | 53717 | 1.49 | 599 |
| MO22DD003 | 254 | 256 | Peg | 53718 | 0.817 | 1230 |
| MO22DD003 | 256 | 256.71 | Peg/greisen | 53719 | 0.034 | 666 |
| MO22DD003 | 256.71 | 258.71 | HMS | 53721 | 0.2 | 59 |
| MO22DD003 | 258.71 | 260.71 | HMS | 53722 | 0.147 | 18 |
| MO22DD004 | 0 | 2 | Peg | 53731 | 1.165 | 2910 |
| MO22DD004 | 2 | 2.3 | Peg | 53732 | 2.09 | 266 |
| MO22DD004 | 2.3 | 3.2 | Core loss | NS | | |
| MO22DD004 | 3.2 | 3.7 | Peg | 53733 | 1.36 | 1210 |
| MO22DD004 | 3.7 | 4.7 | Core loss | NS | | |
| MO22DD004 | 4.7 | 6.9 | Peg | 53734 | 2.03 | 624 |
| MO22DD004 | 6.9 | 7.7 | Core loss | NS | | |
| MO22DD004 | 7.7 | 9 | Peg | 53735 | 2.42 | 739 |

| Drill Hole ID | From (m) | To (m) | Lithology | Sample_ ID | Li2O (%) | Sn (ppm) |
|---|---|---|---|---|---|---|
| MO22DD004 | 9 | 11 | Peg | 53736 | 2.17 | 801 |
| MO22DD004 | 11 | 13 | Peg | 53737 | 0.976 | 640 |
| MO22DD004 | 13 | 15 | Peg | 53738 | 1.43 | 463 |
| MO22DD004 | 15 | 17 | Peg | 53739 | 1.935 | 421 |
| MO22DD004 | 17 | 19 | Peg | 53741 | 0.482 | 765 |
| MO22DD004 | 19 | 21 | Peg | 53742 | 0.955 | 1220 |
| MO22DD004 | 21 | 23 | Peg | 53743 | 0.905 | 645 |
| MO22DD004 | 23 | 25 | Peg | 53744 | 1.495 | 599 |
| MO22DD004 | 25 | 27 | Peg | 53746 | 2.47 | 886 |
| MO22DD004 | 27 | 29 | Peg | 53747 | 1.695 | 546 |
| MO22DD004 | 29 | 29.7 | Peg | 53748 | 0.626 | 4420 |
| MO22DD004 | 29.7 | 31 | Peg | 53749 | 1.13 | 540 |
| MO22DD004 | 31 | 33 | Peg | 53750 | 0.401 | 2940 |
| MO22DD004 | 33 | 35 | Peg | 53751 | 0.244 | 718 |
| MO22DD004 | 35 | 37 | Peg | 53752 | 1.74 | 344 |
| MO22DD004 | 37 | 39 | Peg | 53753 | 0.167 | 740 |
| MO22DD004 | 39 | 41 | Peg | 53754 | 1.275 | 557 |
| MO22DD004 | 41 | 43.4 | Peg | 53756 | 0.825 | 631 |
| MO22DD004 | 43.4 | 43.7 | Core loss | NS | | |
| MO22DD004 | 43.7 | 45 | Peg | 53757 | 0.781 | 1810 |
| MO22DD004 | 45 | 47 | Peg | 53758 | 0.717 | 2570 |
| MO22DD004 | 47 | 49 | Peg | 53759 | 0.853 | 957 |
| MO22DD004 | 49 | 51 | Peg | 53761 | 0.08 | 513 |
| MO22DD004 | 51 | 53 | Peg | 53762 | 0.155 | 1860 |
| MO22DD004 | 53 | 55 | Peg | 53763 | 0.058 | 496 |
| MO22DD004 | 55 | 57 | Peg | 53764 | 0.534 | 2160 |
| MO22DD004 | 57 | 59 | Peg | 53766 | 1.375 | 553 |
| MO22DD004 | 59 | 61 | Peg | 53767 | 1.505 | 1025 |
| MO22DD004 | 61 | 63 | Peg | 53768 | 0.252 | 1190 |
| MO22DD004 | 63 | 65 | Peg | 53769 | 0.79 | 1520 |
| MO22DD004 | 65 | 67 | Peg | 53770 | 0.171 | 552 |
| MO22DD004 | 67 | 69 | Peg | 53771 | 0.059 | 4080 |
| MO22DD004 | 69 | 71 | Peg | 53772 | 0.016 | 879 |
| MO22DD004 | 71 | 73 | Peg | 53773 | 0.416 | 613 |
| MO22DD004 | 73 | 75 | Peg | 53774 | 0.877 | 925 |
| MO22DD004 | 75 | 77 | Peg | 53775 | 1.155 | 886 |
| MO22DD004 | 77 | 79 | Peg | 53776 | 1.785 | 974 |
| MO22DD004 | 79 | 81 | Peg | 53777 | 0.875 | 1020 |
| MO22DD004 | 81 | 83 | Peg | 53778 | 1.11 | 962 |
| MO22DD004 | 83 | 85 | Peg | 53779 | 2.3 | 785 |
| MO22DD004 | 85 | 87 | Peg | 53781 | 2 | 623 |
| MO22DD004 | 87 | 89 | Peg | 53782 | 1.615 | 1060 |
| MO22DD004 | 89 | 91 | Peg | 53783 | 1.87 | 461 |
| MO22DD004 | 91 | 93 | Peg | 53784 | 1.76 | 1150 |
| MO22DD004 | 93 | 95 | Peg | 53786 | 1.34 | 865 |
| MO22DD004 | 95 | 97 | Peg | 53787 | 1.285 | 1145 |
| MO22DD004 | 97 | 99 | Peg | 53788 | 1.795 | 668 |
| MO22DD004 | 99 | 101 | Peg | 53789 | 1.425 | 884 |
| MO22DD004 | 101 | 103 | Peg | 53790 | 1.35 | 3760 |

| Drill Hole ID | From (m) | To (m) | Lithology | Sample_ ID | Li2O (%) | Sn (ppm) |
|---|---|---|---|---|---|---|
| MO22DD004 | 103 | 105 | Peg | 53791 | 1.315 | 2590 |
| MO22DD004 | 105 | 107 | Peg | 53792 | 1.325 | 1460 |
| MO22DD004 | 107 | 109 | Peg | 53793 | 1.1 | 1225 |
| MO22DD004 | 109 | 111 | Peg | 53794 | 0.058 | 1135 |
| MO22DD004 | 111 | 113 | Peg | 53796 | 0.072 | 227 |
| MO22DD004 | 113 | 115 | Peg | 53797 | 0.1 | 597 |
| MO22DD004 | 115 | 117 | Peg | 53798 | 0.023 | 857 |
| MO22DD004 | 117 | 119 | Peg | 53799 | 0.032 | 669 |
| MO22DD004 | 119 | 121 | Peg | 53801 | 0.105 | 950 |
| MO22DD004 | 121 | 123 | Peg | 53802 | 0.024 | 2880 |
| MO22DD004 | 123 | 125 | Peg | 53803 | 0.013 | 548 |
| MO22DD004 | 125 | 125.86 | Peg | 53804 | 0.022 | 2630 |
| MO22DD004 | 125.86 | 127.7 | HMS | 53806 | 0.125 | 247 |

**JORC TABLE 1**

**Section 1 Sampling Techniques and Data**

(Criteria in this section apply to all succeeding sections.)

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| *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.*<br>• *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.*<br>• *Aspects of the determination of mineralisation that are Material to the Public Report.*<br>• *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.* | • 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.<br>• Supplementing the drilling data, surface samples were collected from outcrops, utilising channel sampling from trenches and point-source sampling of scattered outcrops.<br>• 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.<br>• 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 or 2m intervals.<br>• The submitted half-core samples typically had a mass of 4 – 6 kg. |
| *Drilling techniques* | • *Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).* | • The drilling was completed using diamond core rigs with PQ used from surface to sample through to fresh-rock HQ and NQ 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 holes were downhole surveyed using a digital multi-shot camera at about 30 m intervals. |
| *Drill sample recovery* | • *Method of recording and assessing core and chip sample recoveries and results assessed.*<br>• *Measures taken to maximise sample recovery and ensure representative nature of the samples.*<br>• *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.* | • Drill core recovery attained >97% in the Pegmatite.<br>• 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.<br>• 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. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| *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.*<br>• *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.*<br>• *The total length and percentage of the relevant intersections logged.* | • 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.<br>• 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.<br>• The entirety of all drillholes are logged for geological, mineralogical and geotechnical data. |
| *Sub-sampling techniques and sample preparation* | • *If core, whether cut or sawn and whether quarter, half or all core taken.*<br>• *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.*<br>• *For all sample types, the nature, quality and appropriateness of the sample preparation technique.*<br>• *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.*<br>• *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.*<br>• *Whether sample sizes are appropriate to the grain size of the material being sampled.* | • Core is cut longitudinally, and half-core samples of a nominal 2m length are submitted for assay.<br>• The current programme is diamond core drilling.<br>• The sample preparation for drill core samples incorporates standard industry practice. The half-core samples have been prepared at the AVZ sample preparation facility on site at Manono.<br>• At AVZ's onsite sample preparation facility the half-core samples of approximately 4-6 kg are oven dried, crushed to -2 mm with a 500g sub-ample being split out. This 500 g sub-sample is then pulverised to produce a pulp with 85% passing -75um size fraction. A 120g 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.<br>• Standard sub-sampling procedures are ALS Manono at all stages of sample preparation such that each sub-sample split is representative of the whole it was derived from.<br>• Duplicate sampling was undertaken for the drilling programme. After half-core samples were crushed, an AVZ geologist took a split of the crushed sample which can if required be used 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, HQ and NQ drill core, providing a representative sample of the Pegmatite which is coarse-grained. Sampling was mostly at 2m intervals, and the submitted half-core samples typically had a mass of 4-6 kg. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| *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.*<br>• *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.*<br>• *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.* | • Diamond drillhole (core) samples were submitted to the onsite prep laboratory 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.<br>• 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.<br>• Sodium peroxide fusion is a total digest and considered the preferred method of assaying Pegmatite samples.<br>• Geophysical instruments were not used in assessing the mineralisation.<br>• 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. |

| Criteria | JORC Code explanation | Commentary |
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| *Verification of sampling and assaying* | • *The verification of significant intersections by either independent or alternative company personnel.*<br>• *The use of twinned holes.*<br>• *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.*<br>• *Discuss any adjustment to assay data.* | • CSA Global (CSA) observed the mineralisation in the majority of cores on site, although no check assaying was completed by them.<br>• CSA observed and photographed several collar positions in the field, along with rigs that were drilling at the time of the site visit.<br>• 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.<br>• 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.<br>• AVZ has not adjusted assay data. |
| *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.*<br>• *Specification of the grid system used.*<br>• *Quality and adequacy of topographic control.* | • For JORC 2012 resource estimation, the drillhole collars will be located by a registered surveyor using a Hi-Target V30 Trimble differential GPS or equivalent with an accuracy of +/- 0.02 m unless otherwise noted.<br>• All holes were downhole surveyed using a digital multi-shot camera at approximately 30 m intervals.<br>• 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).<br>• Coordinates are relative to WGS 84 UTM Zone 35M. |
| *Data spacing and distribution* | • *Data spacing for reporting of Exploration Results.*<br>• *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.*<br>• *Whether sample compositing has been applied.* | • Drillhole spacing was completed on sections 100 m apart, and collars were 50 to 100 m apart on section where possible. Given the coarse homogenous nature of the orebody this spacing is expected to generate Measured Resources. |
| *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.*<br>• *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.* | • The drillhole orientation is designed to intersect the Roche Dure Pegmatite at, or nearly at, 90° to the plane of the Pegmatite.<br>• No material sampling bias exists due to drilling direction. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| *Sample security* | • *The measures taken to ensure sample security.* | • The prepared samples (pulps) are sealed in a box and delivered by DHL to ALS Perth.<br>• ALS issue a reconciliation of each sample batch, actual received vs documented dispatch.<br>• The ALS Manono site preparation facility is managed by staff trained previously by ALS. 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. |
| *Audits or reviews* | • *The results of any audits or reviews of sampling techniques and data.* | • The sampling techniques were reviewed by the Competent Person during the site visit.<br>• The Competent Person considers that the exploration work conducted by AVZ was carried out using appropriate techniques for the style of mineralisation at Roche Dure, 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 |
|---|---|---|
| *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.*<br>• *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.* | • The Manono licence was awarded as Research Permit PR13359, issued on the 28th December 2016 to La Congolaise d'Exploitation Miniere SA (Cominiere). It is valid for 5 years or to the lodging of a PE (Permite d'Exploitation) whichever comes first. 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 75% and Cominiere 25%.<br>• AVZ manages the project and meets all funding requirements.<br>• All indigenous title is cleared and there are no other known historical or environmentally sensitive areas. |
| *Exploration done by other parties* | • *Acknowledgment and appraisal of exploration by other parties.* | • 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.<br>• 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.<br>• Apart from the mining excavations and the drilling programme, there has been very limited exploration work within the Manono region. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| *Geology* | • *Deposit type, geological setting and style of mineralisation.* | • 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. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| *Drill hole Information* | • *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:*<br>o *easting and northing of the drill hole collar*<br>o *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar*<br>o *dip and azimuth of the hole*<br>o *down hole length and interception depth*<br>o *hole length.*<br>• *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.* | • See table for collar, survey and assay data. |
| *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.*<br>• *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.*<br>• *The assumptions used for any reporting of metal equivalent values should be clearly stated.* | • Intersections are reported as length-weighted grades within the logged Pegmatite.<br>• No grade truncations were applied.<br>• The majority of samples were taken at 2 m lengths.<br>• No equivalent values are used or reported. |
| *Relationship between mineralisation widths and intercept lengths* | • *These relationships are particularly important in the reporting of Exploration Results.*<br>• *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.*<br>• *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').* | • The majority of samples were taken at 2 m lengths.<br>• There is no relationship between mineralisation width and grade.<br>• 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* | • *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.* | • The relevant plans and sections are included in this document. |
| *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.* | • All Pegmatite intersections for holes MO22DD001 to MO22DD004 are reported. |

| Criteria | JORC Code explanation | Commentary |
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| *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 other exploration data is available.<br>• Wide spaced reconnaissance drilling along with surface mapping and sampling is being used for geological understanding and future drill planning |
| *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).*<br>• *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.* | • Diamond drill testing of the identified priority targets will be on-going. |