

24 November 2021

Niobe Sampling Assays Confirm Rubidium & Lithium Extension Beyond Main Pit

- Assay results report up to 0.93% Rubidium and 0.86% Lithium oxide (Li2O) from the 46 rock chip samples collected at Niobe East, Southeast and Breakaway.
- Assays confirm Rubidium and Lithium prospectivity beyond Niobe Main Pit.
- Niobe East has anomalous Rubidium and Lithium values with a strike length of over 400m.
- The POW for the planned drilling Programme has been approved and negotiations are continuing for the Heritage Survey

Aldoro Resources Limited (Aldoro, The Company) (ASX: ARN) is pleased to provide assay results from the 46 rock chip samples collected at the Niobe East, Niobe Southeast and Breakaway pegmatites, see Figure 1 for locations. The average Rubidium (Rb) value was 1,892ppm with a range of 34.7 to 9,307ppm, while the average lithium (Li) value was 0.0725% with a range of 0.005 to 0.40%. Caesium (Cs) averaged at 200ppm with a range of 3.1 to 1,934ppm. At Niobe East, anomalous Rb and Li values extend over 400m in strike length, providing justification to the proposed drilling programme into this multilayered pegmatite section. At the Breakaway pegmatites, to the west, anomalous Rb and Li extends up to a strike length of 100m while at Niobe Southeast the few samples collected have some Rb values up to 0.2%.

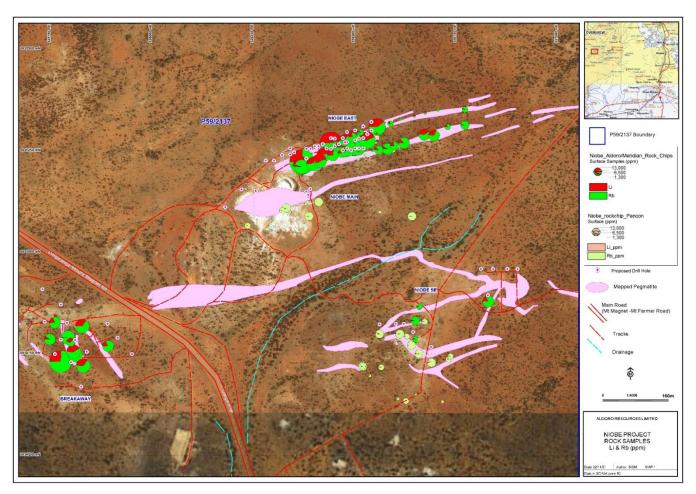


Figure 1: Thematic map showing the Lithium and Rubidium results in ppm for the outcrop rock samples collected by Aldoro (46) and Meridian 120(6) (previous licence holder) over the historical rock chip sampling by Pancontinental (1984-1986).





Figure 2: Rock sample NR0004, greisen-like morphology consisting of micaceous laths and microcline. Laboratory analysis reported 9,307ppm Rb and 0.32%Li and 1,934ppm Cs. Arrows indicate the sample outcrop and rock texture on a fresh face.

The outcrop dispersion of Rb and Li results are generally consistent with those obtained by Pancontinental in the mid 1980's giving confidence to the historical drilling assays from the same period which were used to define an Exploration Target over the Niobe Main pegmatite (ASX: 27/8/2021). An Exploration Target of approximately 33,000-150 ,000 tonnes at grades ranging 696-1457ppm Rubidium Oxide (Rb₂O) over an area bound by 80m by 65m of detailed drilling has been previously defined.

Aldoro chairman, Mr Joshua Letcher, commented that "the rock chip results show the potential for the area and give confidence for increasing the Exploration Target tonnage".

Forward Plan

The forward programme involves expanding the Exploration Target area encompassing the mapped pegmatite on the western side of Niobe (Pegmatite No.1), the high interest Rb bearing sections of Niobe East (Pegmatite No.2), the Breakaway pegmatites and Niobe Southeast Pegmatites (Figure 3). The approval of a Programme of Works (POW) was received on the 17th of November and negotiations are underway with Wajarri PBC for a Heritage Survey over the area. An RC drill rig is booked and awaiting mobilisation once the Heritage Survey is complete.



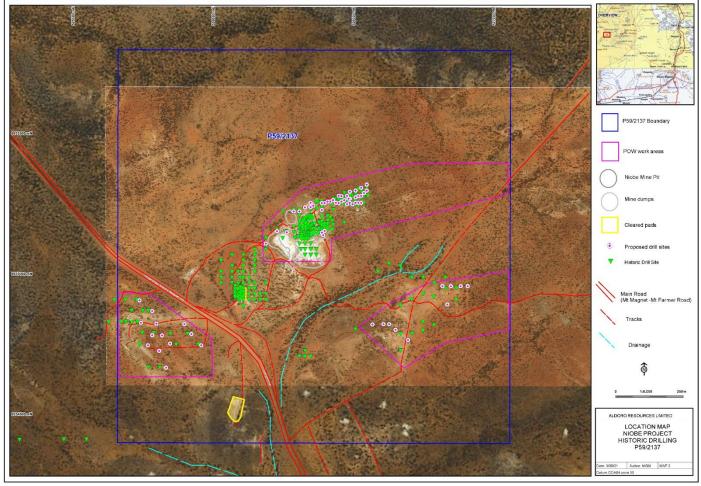


Figure 3: The location of the proposed drill collars against the historical holes and mine workings. Note that the majority of the samples from the historical holes were not analysed for the Li suite of elements (in particular Li, Rb & Cs). WAMEX open file reports list 303 holes for 8580m over the area but only 40 (1141m) of these holes were samples and analysed for Li, Rb and Cs.

This Announcement has been approved for release by the Board of Aldoro Resources Ltd

About Aldoro Resources

Aldoro Resources Ltd is an ASX-listed (ASX:ARN) mineral exploration and development company. Aldoro has a collection of nickel and lithium/Rubidium focused advanced exploration projects all located in Western Australia. The Company's flagship project is the Narndee Igneous Complex, highly prospective for Ni- Cu-PGE mineralisation. Aldoro is also currently exploring the Windimurra Igneous Complex where it has located numerous pegmatites, several of which have been identified as containing anomalous Rb and Li minerals. The Company's other projects include the Cathedrals Belt Nickel Project, with a significant tenement holding surround St George Mining's (ASX:SGQ), and the Leinster Nickel Project(Ni).

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Competent Persons Statement

The information in this announcement that relates to exploration data and results derived from samples collected at Niobe and the information supplied by the current licence holder has been prepared in accordance with the 2012 Edition of the Australian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC). The data was reviewed and compiled by Mr Mark Mitchell, a geological consultant to Aldoro Resources Ltd. Mr Mitchell is a Registered Professional Geoscientist (No.10049) with the Australian Institute of Geoscientists and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking 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 Mitchell consents to the inclusion in the release of the statements based on his information in the form and context in which it appears.



Easting Northing Alt Al B Ba Be Ca Cs Fe K Li Mg Mn Nb P Rb S Sn Sr Ta W Sample GDA94 GDA94 (m) Location Description % ppm ppm ppm % ppm % % % % ppm % ppm % ppm ppm ppm ppm NR0001 526368 6935212 430 Niobe East Quartz-Microcline rich with sparse mica books 8.82 X 46 4 X 155.3 0.75 8.37 0.02 0.04 X 21 X 4338 X 35 X 14.8 X 4265.5 NR0002 526367 6935214 430 Niobe East Quartz rich(VQ) with mica rich selvages 7.24 34 68 X 1402.5 2.84 3.96 0.12 0.33 X 61 X 150 134.9 17 NR0003 526368 6935220 430 Niobe East Otz-microcline with large Zinnwaldite books 6.42 63 10 94 0.2 473.1 1.74 2.29 0.14 0.14 X 111 X 2331.9 Х 64.4 15 NR0004 526369 6935224 430 Niobe East Greisen-like micaceous -feldspar laths 16.12 64 81 9 X 1934.2 5.1 8.61 0.32 0.75 0.2 97 X 9307.6 363 25 NR0005 526390 6935219 428 Niobe East Coarse textured, large microcline F-M micas 8.09 176 27 10 0.3 143.2 1.04 1.23 0.09 0.07 0.2 81 0.01 1128.7 13 NR0006 526397 6935219 429 Niobe East Qtz-rich with botryoidal Zinnwaldite books 17 11 X 207.2 1.08 4.79 0.12 0.08 X 99 X 3335.2 55.9 18 NR0007 526409 6935222 429 Niobe East equigranular Qtz-Microcline, minor fine micas 7.33 38 50 0.4 57.4 1.02 0.72 0.04 0.04 0.5 58 0.01 586.5 X 47 35 9 NR0008 526412 6935226 432 Niobe East Medium coarse porphyritic tx, large Zin mica sheets 7.56 123 39 13 0.3 530.6 1.49 1.53 0.19 0.11 0.2 110 X 2206 54.8 16 NR0009 526423 6935242 431 Niobe East porphyritic qtz-feldspar with Qtz rich zone+ Zin micas 5.29 106 13 13 0.1 166.4 1.48 1.94 0.17 0.16 X 82 X 2011.3 36.8 21 NR0010 526445 6935240 430 Niobe East | finer tx saccharoidal qtz-microcline minor mica flecks 33 101 0.2 131.1 0.89 2.63 0.07 0.07 X 84 8.16 X 1846.5 47.3 13 NR0011 526468 6935245 431 Niobe East Quartz-rich +Zinnwaldite books 6.75 32 7 0.2 128 0.89 1.26 0.02 0.02 X 57 X 1324.3 X 128 278.3 NR0012 | 526475 | 6935247 | 434 | Niobe East | Microcline-rich + disseminated black micas + medium qtz 0.04 0.07 X 52 X 1024 7.45 9 43 0.4 113.1 1.03 1.01 X 46 33.9 NR0013 526473 6935277 437 Niobe East coarse textured enclave in medium tx peg. Boty.Zinnwaldite 14 111 0.2 146.1 1 1.38 0.1 0.05 X 70 X 1805 7.84 15 49.2 NR0014 526494 6935285 435 Niobe East | Qtz-rich with Zinnwaldite micas on grain boundaries, feldspar X 14 6 X 110.1 0.83 0.79 0.03 0.01 X 18 X 1172 7 2.66 33 0.4 0.03 0.7 84 NR0015 526495 6935270 435 Niobe East Thick books of botryoidal Zinnwaldite in microcline 12.93 5 10 0.2 711.5 2.07 4.77 X 8293.8 X 291 102.5 41 NR0016 | 526513 | 6935248 | 434 | Niobe East | medium tx with fine Zin. Books in qtz<microcline 8.21 33 66 0.2 83.2 0.68 0.83 0.005 0.03 X 72 X 792.3 NR0017 526514 6935296 435 Niobe East Microcline-rich odd fine mica, minor gtz 8.94 X 18 26 0.3 98.2 0.46 0.7 0.01 0.02 X 303 0.02 1030.6 X 43 NR0018 526529 6935277 435 Niobe East | fine saccharoidal qtz-microcline minor mica 8.7 X 48 25 0.4 439.1 2.48 1.98 0.24 0.27 0.3 110 X 3136.7 X 141 NR0019 526543 6935252 431 Niobe East saccharoidal qtz-feldspar with minor micas 9.02 32 16 0.6 46.1 0.92 0.43 0.005 0.02 0.6 32 0.02 231.1 NR0020 526558 6935253 430 Niobe East saccharoidal gtz-feldspar with minor fine mica flecks 8.42 67 25 0.4 86.8 0.6 2.76 0.02 0.03 0.2 33 0.02 1535.1 16.7 25 NR0021 526554 6935310 436 Niobe East Coarse elongate mica (rectangular) in microcline/qtz 41 27 0.4 667.8 3.38 2.36 0.22 0.34 0.5 197 0.01 3285.1 X 78 8.4 108.3 13 NR0022 | 526552 | 6935292 | 437 | Niobe East | saccharoidal qtz-feldspar + fine micas 9.03 58 20 25 1.1 9.1 1.86 0.31 0.005 0.03 1.4 21 0.02 NR0023 526554 6935275 436 Niobe East saccharoidal qtz-feldspar + fine micas 8.4 Х 29 21 0.9 6.4 1 0.35 0.005 0.02 0.7 24 X 34.7 22 17.1 NR0024 526580 6935256 431 Niobe East | medium tx qtz-microcline + fine micas 71.9 0.68 4.25 0.02 0.05 X 57 0.01 2225 X 52 Х 8.17 42 23 0.3 26.3 8 NR0025 526587 6935318 439 Niobe East | coarse atz-feldspar with moderate micas 7.33 X 22 176 0.4 73.7 0.58 1.78 0.02 0.04 X 51 0.01 1002.5 X 18 Х 64.2 NR0026 526596 6935263 436 Niobe East porphyritic microcline with Qtz and matrix micas 5.91 27 79 0.2 80.5 1.1 2.64 0.04 0.07 X 54 0.01 1587.2 NR0027 | 526620 | 6935270 | 435 | Niobe East | Very coarse microcline xtls in fine qtz-mica matrix 97.8 0.82 4.99 0.04 0.05 X 39 0.01 2481.8 8.7 NR0028 | 526611 | 6935330 | 441 | Niobe East | Medium to fine grained with black laths, feldspar, qtz, minor micas 6.83 73 2 1.8 12.1 2.39 0.29 0.005 0.46 X X 0.05 NR0029 526645 6935337 444 Niobe East Medium to fine grained microcline, qtz, minor matrix micas 65 28 1 8.74 3.1 0.93 0.31 0.005 0.02 0.5 49 0.01 44.4 33 44.3 NR0030 526670 6935291 445 Niobe East | Qtz/Zinnwaldite selvages in coarse microcline + qtz 3.52 8 4 X 121.4 1.11 1.8 0.13 0.06 X 54 X 1831 X 115 29.2 14 X 2101.3 NR0031 526694 6935289 441 Niobe East Zinnwaldite rich zone in very coarse porphyritic qtz/microcline 10 122 0.1 127.9 1.38 2.34 0.1 0.08 X 80 X 142 20 6 32 42.4 0.005 0.01 X NR0032 526672 6935345 440 Niobe East Saccharoidal tx qtz-felspar minor micas 7 0.53 0.28 17 7.38 32 17 0.6 54.6 25 18.2 2 NR0033 526703 6935352 443 Niobe East coarse feldspar rich, qtz and minor mica? 8.67 58 19 0.3 20.1 0.45 0.96 0.005 0.03 X 65 X 318.1 29 104.7 NR0034 526728 6935310 442 Niobe East | medium tx Feldspar-qtz and minor micas 7.56 31 90 0.4 46.7 0.9 1.59 0.02 0.08 X 49 X 905.3 24.9 NR0035 526770 6935314 440 Niobe East | medium to coarse Feld-qtz odd fine mica X 148 14 X 76.9 0.59 5.21 0.005 0.07 X 37 X 1408.5 X 11 10.54 31.5 NR0036 | 526770 | 6935353 | 439 | Niobe East | Saccharoidal tx qtz-feldspar minor micas 9.59 ¥ 64 60 0.4 18.5 0.46 1.69 0.005 0.02 X 39 0.01 554.3 37 115.9 NR0037 525792 6934791 438 Breakaway Microcline + qtz with zinnwaldite micas 10.63 X 435 5 0.1 71.4 0.93 8.72 0.005 0.06 0.8 16 X 3876.1 6.4 NR0038 525799 6934780 438 Breakaway medium-coarse feldspar-qtz and minor micas 8.1 218 19 16 0.2 130.3 1.2 1.49 0.07 0.06 X 82 X 1163.2 х 11 NR0039 525810 6934748 436 Breakaway qtz + large zinnwaldite books in microcline-rich pegmatite 5 11 X 17 6 X 61.5 1.52 2.55 0.15 0.02 0.2 49 X 2323.7 Х 15 79.9 1.65 3.42 0.13 0.07 X 95 X 2369.8 X 100 NR0040 | 525830 | 6934722 | 433 | Breakaway | feldspar-qtz porphyritic tx matrix micas & green chlorite staining? 7.98 288 28 10 0.1 41.6 15 NR0041 525891 6934770 441 Breakaway medium-fine qtz-feldspar pegmatite and fine micas 89 1.15 4.31 0.05 0.05 X 62 0.01 2349.9 X 83 8 17 х 66 7 0.1 40 16 NR0042 525827 6934819 439 Breakaway coarse to very coarse microcline in qtz + micas 6.66 50 72 18 0.1 123.8 1.07 2.46 0.13 0.09 X 72 X 2394.3 X 151 31.4 16 NR0043 526658 6934867 442 Niobe SE Large Zinnwaldite books in coarse microcline-qtz pegmatite 6.13 7 10 0.2 20.5 0.66 1.9 0.005 0.02 X 49 X 839.7 х 29.8 0.46 3.8 0.005 0.04 X 67 0.01 1348.8 14.6 0.66 0.94 0.005 0.04 X 35 X 543.3 NR0044 526648 6934832 449 Niobe SE fine grained pegmatite with qtz-microcline 8.36 X 323 12 0.5 80.3 NR0045 | 526648 | 6934787 | 451 | Niobe SE | qtz-rich with zinnwaldite books minor feldspar 6.12 X 11 7 0.3 X 58 10.1 5.7 1.27 0.45 0.005 0.03 X 31 X 97.2 X 11 NR0046 526623 6934755 453 Niobe SE saccharoidal qtz-feldspar pegmatite 7.7 37 10 0.5 20 22.2 NB017 526828 6934880 na Niobe SE Mica rich. Mica grey and plumose na na na na 42.3 na na 0.0393 na na 125 na 1954.7 na 278 na 35.3 27 na NB018 526500 6935270 na Niobe East Mica metallic spheroidal in Qz-cleavelandite-microcline na na na na na 654.8 na na 0.3263 na na 455 na 8141.7 na 354 na 275 62 NB019 526440 6935270 na Niobe East Mica rich chip composite. Mica as above na na 439.4 na na 0.4085 na na 181 na 4888.6 na 255 33 NB020 526476 6935260 na Niobe East Mica rich. Qz-cleavelandite-mica-green beryl. na na na 290.3 na na 0.2314 na na 2750 na 5176.5 na 331 139 NB021 | 525774 | 6934732 | na | Breakaway | Dark purple-grey fg mica rock. About 100% mica. ALDORO RESOURCES LIMITED \$3ABN 34 624 990 809 4 +61 257 229 46287 na 501 NB022 525806 6934756 na Breakaway Coarse grained mica pegmatite outcrop and rubble. Ina SUITE 2, 12 ALTONIA STREET WEST PERFIT. WA 1600 56 na 2619.8 na 108 na 7.4



Table 1: Compilation of the 46 rock samples collected by Aldoro (NR0001-46) including the 6 rock samples collected by Meridian 120 (NB17-22). "X" denotes below detection limit and "na" is not available.



Na Nb Rb Sn Easting Northing Cs Sample GDA94 GDA94 % ppm ppm ppm ppm Location Description ppm ppm 5 1100 4832 525630 6934570 Breakaway Quartz-microcline-albite pegmatite 10 4.8 4.12 10 4833 525600 6934590 Breakaway Quartz-microcline-albite pegmatite 30 3.77 4.34 25 1100 18 4834 526410 6935125 Pegmatite 2 10 3.35 5.48 50 1700 85 quartz-microcline-sch-albite pegmatite 4835 526377 6935120 Pegmatite 2 quartz-microcline-muscovite-albite-garnet pegmatite 10 0.39 6.41 60 100 120 4836 526330 6935110 Pegmatite 2 quartz-microcline-muscovite-albite-garnet pegmatite 10 3.5 4.69 55 1800 55 4837 526320 6935105 Pegmatite 2 10 2.16 4.95 35 960 5 75 quartz-microcline-muscovite-albite-garnet pegmatite 4838 526235 6935067 Pegmatite 2 quartz-microcline-muscovite-albite-garnet pegmatite 10 1.98 10 4.86 30 940 40 25 1300 5.58 4839 526386 6935090 Pegmatite 2 quartz-microcline-muscovite-albite-garnet pegmatite 10 2.81 75 25 0.57 127 0.69 0 170 0 4849 526350 6935050 Pegmatite 1 Altered gabbro 4850 526340 6935060 Pegmatite 1 Altered gabbro 30 0.38 120 1.35 45 0 4851 526560 6934800 SE Pegmatite quartz-muscovite-microcline-albite pegmatite 5.8 152 2.78 40 2100 20 30 526610 6934800 SE Pegmatite 40 5.35 18 2.87 20 1700 25 quartz-muscovite-microcline-albite pegmatite 25 4853 526340 6935080 Pegmatite 1 Altered gabbro 10 0.39 80 1.45 0 4854 526340 6935100 Pegmatite 1 18 0.34 70 1.52 0 70 0 Altered gabbro 0 0 3800 4865 606590 6934580 SE Pegmatite K-feldspar 85 10.3 0 1.73 0 526627 5 2.37 13 2.34 6934794 SE Pegmatite Quartz-microcline-zinnwaldite pegmatite 10 930 20 5 1.27 18 3.17 35 540 8304 526650 6934786 SE Pegmatite Quartz-microcline-zinnwaldite pegmatite 18 8305 526638 6934772 SE Pegmatite Quartz-microcline pegmatite 30 4.21 0.5 1.89 5 1500 15 55 6934830 SE Pegmatite Quartz-microcline-zinnwaldite pegmatite 25 2.65 24 2.84 60 1000 8306 526671 6934640 SE Pegmatite Aplite 5 0.82 0.5 7.39 40 180 35 526605 8308 526625 6934635 SE Pegmatite Quartz-microcline pegmatite 12 4.15 0.5 3.55 30 1200 25 0.5 8.57 260 8309 526650 6934650 SE Pegmatite Aplite (sugary albite-rich rock) 65 110 6934633 SE Pegmatite Aplite (sugary albite-rich rock) 5 0.52 0.5 9.36 5 100 50 8311 526715 25 3.03 41 3.04 60 1100 25 526518 6934720 SE Pegmatite Quartz-microcline-zinnwaldite pegmatite 25 526518 6934720 SE Pegmatite Quartz-microcline-zinnwaldite pegmatite 30 3.87 61 2.72 55 1200 526536 6934697 SE Pegmatite 10 1.33 39 6.86 14 320 45 8314 48 3.93 90 750 526564 6934718 SE Pegmatite Quartz-microcline-zinnwaldite pegmatite 18 1.71 45 8316 526657 6934751 SE Pegmatite Quartz-microcline-zinnwaldite pegmatite 25 4.05 29 3.16 60 1300 25 8317 8318 526688 6934729 SE Pegmatite Quartz-microcline-zinnwaldite pegmatite 40 4.22 225 1.7 100 1900 45 8319 526730 6934738 SE Pegmatite Quartz-microcline pegmatite 19 3.55 152 3.76 60 980 40 17 2.77 34 3.93 85 790 60 8320 526735 6934745 SE Pegmatite Greisen 8334 526550 6935277 Pegmatite 2 Aplite garnetiferous 38 5.88 15 20 13 526524 6935272 Pegmatite 2 m-g albite-rich pegmatite, minor zinnwaldite 60 0.31 86 8.4 20 290 40 8335 3400 8336 526493 6935265 Pegmatite 2 Zinnwaldite-rich quartz microcline pegmatite 370 2.29 1600 4.7 65 75 8337 526431 6935258 Pegmatite 2 5 0.21 0.5 6.92 40 110 45 m-g albite-rich pegmatite, 8338 526376 6935218 Pegmatite 2 m-g quartz-albite-zinnwaldite pegmatite 740 1.98 0.5 6.07 170 2200 0 6600 526525 6935240 Pegmatite 2 Quartz-microcline-zinnwaldite pegmatite 35 0.58 22 6.24 65 390 0 80 526590 6935257 Pegmatite 2 130 2.21 495 4.48 40 1300 8340 Aplite garnetiferous 8341 526560 6935100 Pegmatite 2 ALDORO RESOURCES30 MITEEN (CASEINS 378 62249 9 0880 9 | +661 2452 2 2 4 4 6 2 8 m-g granite SUITE 2 1 ANTONA STREET WEST SERTED WA 600545 8342 526640 6935090 Pegmatite 2 Aplite 526680 69355150 Pegmatite 2 Albite-rich fine-medium grained aplite https://www.aldoronesourges.com 8343



Table 2: Historical Pancontinental Rock Chip Sampling results (note eastings and northings converted to GDA94)



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 (eg 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. Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (eg '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 (eg submarine nodules) may warrant disclosure of detailed information. 	 Aldoro/Meridian Rock chip samples were randomly selected based on the dominate local rock character and therefore are not considered representative. No details provided from Pancontinental's reports on sample selection criteria. These samples both recent and historical are not considered representative as they are grab samples only. The mineralisation of the Pegmatites at Niobe are based on the analytical results by successive explorers including Tantalum Australia who conducted extensive drilling to define a tantalum resource Petrology did identify zinnwaldite micas as the main source of Li and presumably Rb and Cs. No industry standard was applied during the sampling process.
Drilling techniques	 Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg 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). 	Not applicable to this release on grab rock chip sampling.
Drill sample recovery	 Method of recording and assessing core and chip sample recoveries and results assessed. Measures taken to maximise sample recovery and ensure representative nature of the samples. 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. 	Not applicable to this release on grab rock chip sampling



RESOURCES 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. Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. The total length and percentage of the relevant intersections logged. 	Not applicable to this release on grab rock chip sampling
Sub-sampling techniques and sample preparation	 If core, whether cut or sawn and whether quarter, half or all core taken. If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry. For all sample types, the nature, quality and appropriateness of the sample preparation technique. Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. 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. Whether sample sizes are appropriate to the grain size of the material being sampled. 	 No reported drilling in the licence No sub-sampling techniques used Not considered representative samples
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. 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. Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established. 	 Aldoro (NR) & Meridian's (NB) rock chip samples were tested at Intertek-Genalysis Laboratories in Maddington WA Samples were crushed and ground to 75µm, Cs, Li, Nb, Rb, Sn, Ta, W were analysed by FP6/MS which is a sodium peroxide fusion in Nickel crucibles and HCL to dissolve the melt with an ICP-MS finish. QAQC samples were not inserted in the sample consignment, Pancontinental The certified Laboratory used it own blanks and standards for quality control. The samples were analysed at SGS with the same preparation (dry pulverised to -80mesh, split pulverised to -200mesh in Cr steel mill) but 3 different analytical methods XRF-1 (Nb, Rb) pressed powder XRF method



Criteria	JORC Code explanation	Commentary
		 XRF-1 (Ta, Sn, Cs, K) low dilution fusion D3(a) (Li, Na) mixed acid total digest with AAS finish
Verification of sampling and assaying	 The verification of significant intersections by either independent or alternative company personnel. The use of twinned holes. Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. Discuss any adjustment to assay data. 	 Rock Chip samples were grab by nature Samples were recorded by paper documentation then converted to spreadsheets with sample checklists for each sample movement. Data collected in Li-ppm were converted by a factor of 2.153/10000 to calculate a % Li2O figure.
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. Specification of the grid system used. Quality and adequacy of topographic control. 	 Meridian and Aldoro used handheld Garmin GPS to record weigh points in GDA94/zone 50. Samples not considered representative for Mineral Resource estimation. Pancontinental samples were recorded using local grids and mapped in AGD66 and were subsequently converted to GDA94. Note that these samples were recorded pre-GPS and therefore will have inherited error. Australian GDA94 datum used for the modern sampling and local grids in the historical sampling which were converted. No topographic control was applied or recorded
Data spacing and distribution	 Data spacing for reporting of Exploration Results. 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. Whether sample compositing has been applied. 	 No regular sample spacing applied, locations governed by available outcrop and at least one sample per interpreted individual pegmatite. Sample collection method is not considered appropriate for mineral resource estimation. Compositing was limited to grab samples within a 5m radius
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. 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. 	 No orientation of rock chip samples other than collection of samples containing lepidolite micas No drilling conducted



Criteria	JORC Code explanation	Commentary
Sample security	The measures taken to ensure sample security.	No security applied for the grab samples as they will not be used in resource modelling
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	No audits or reviews were reported on the sampling technique or data generated.

Section 2 Reporting of Exploration Results

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

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	 Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. The 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 Niobe Project consists of a single prospecting licence P59/2137 held by Meridian 120 Mining Ltd located 70km of Mout Magnet that Aldoro Resources entered a binding agreement sale agreement. The prospecting licence is granted and expires on the 25/3/2022 unless an extension is applied. There are no impediments to accessing the licence to conduct exploration other than Heritage surveying. Approval for ground disturbing techniques of Programme of Works (POWs) has been received.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	 Historical exploration was initially for beryl by prospectors then primarily for tantalum with the development of the Niobe resource. There has been no systematic exploration for Rubidium, lithium or Caesium despite the presence of LCT type pegmatites. e Late 1950's to 1984. Exploration was conducted by prospectors who located the main mineralised zones of the pegmatites and quarried these for beryl and included limited exploitation of eluvial tantalite and cassiterite. 1984 to 1999. Systematic exploration by Pancontinental Mining Ltd included geological mapping, rock chip sampling, drilling (RC, RAB, Diamond), costeaning, petrography, metallurgy, resource definition, trial mining and rehabilitation. Their focus was tantalum but included some lithium analysis. Geochemical analysis from 40



Criteria	JORC Code explanation	Commentary
		holes predominantly into the main Niobe pegmatite dilation but also into the northeast Niobe lobe were analysed for Li and included Cs, Ta, Rb, Nb, Sn, Na, and K. A total of 13 surface rock samples and 38 semicontinuous costean samples were also analysed with the same suite of elements. A total of 15 RC chip samples were petrographically described, 4 of which contained zinnwaldite. 1999-2003 Australian Gold Mines NL and Kemet Corporation formed Tantalum Australia and undertook assessment of the Dalgaranga and Warda Warra pegmatite fields with the view to exploit the tantalum mineralisation. Work included new geological mapping, conducted further drilling and resource investigation. They processed stockpile and tailings through the Dalgaranga tantalum plant. 2007-2017 Diversity Resources Pty Ltd acquired the ground and operator Meridian 120 Mining Pty Ltd conducted a detailed review, undertaking new geological mapping, orientation soil sampling and compilation of a digital database. 2018-Present. Meridian acquired the project and undertook further geological mapping, rock chip sampling and consolidation of the projects database. A total of 6 rock chip samples and 2 drill chip resamples were collected and analysed for Li, Cs, Nb, Rb, Sn and Ta.
Geology	Deposit type, geological setting and style of mineralisation.	The Niobe project lies in the east-north-easterly trending Archaean Dalgaranga Greenstone Belt, a synclinal belt some 50km long and 20km wide consisting dominantly of metasediments, felsic volcanics and lesser basalts within the Murchison Terrane. Seven known intrusive thick gabbroic sills display differentiation with defined layering from ultramafic bases grading into mafic rocks. The NE-NNE trending synclinal axis has



RESOURCES 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: 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. 	been interpreted to lie to the NW of the project area. Pegmatite swarms are found in the northerly part of the belt as late-stage fluidisation events from the local granitoids, which lie to the north, and are hosted in metagabbro and pelitic schists. The swarm generally trends in a north-easterly orientated parallel to the Big Bell Shear Zone. Tantalum, beryllium, tin, tungsten, lithium and molybdenum mineralisation are found associated with the pegmatites. Niobe Project pegmatites fit the style of mineralisation associated with Lithium-Caesium-Tantalum (LCT) pegmatites as they are hosted in a greenstone belt, fractionated with enrichments in enriched Li, Cs, Ta, Rb, Be and Nb and exhibit zoning as wall rock, intermediate and core zones are defined. The lithium minerals reported are zinnwaldite, lepidolite, elbaite and possibly spodumene supporting a level of zonation and fractionation while other minerals reported are cassiterite (Sn), tantalite-columbite (Ta), microlite (pyrochlore Nb), beryl (Be) See ASX 27/8/21 for Historical drilling details, no drilling applies to this release. No relevant information has been excluded all known rock chip samples and their corresponding analytical data has been presented in Tables 1 & 2.
Data aggregation methods	 In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg 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 	 No data aggregation methods have been applied to the grab samples No metal equivalents were used.



ESOURCES Criteria	JORC Code explanation	Commentary
	 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. 	
Relationship between mineralisation widths and intercept lengths	 These relationships are particularly important in the reporting of Exploration Results. If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known'). 	No drilling results are reported in this release
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. 	Sample diagrams with thematic results have been supplied.
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. 	Full analytical results are provided for the rock samples,
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.	 While other historical exploration data sets are available, these pertain to Tantalum and therefore are not relevant to this announcement. Historical Li-Rb-Cs drill results have previously release ASX 27/8/2021 Plots of the historical down hole analytical data reveal



Criteria **JORC Code explanation** Commentary 809 points, correlation -0.07 805 points, correlation 0.75 um p 100 100 1000 10000 100000 1000 10000 Lithium ppm Tantalum ppm 808 points, correlation 0.52 804 points, correlation 0.63 100 Rubidium ppm 10 100 1000 10000 1000 10000 Lithium ppm

• **Li-Ta Plot**. There appears to be no direct association between these elements other that it appears that the low to high Li values tend to have a higher frequency with the low (<100ppm) Ta values.



Criteria	JORC Code explanation	Commentary
		 Rb-Li Plot. Shows a direct normal relationship with good correlation, especially if the quartz core samples are removed. Note quite a few samples have >1000ppm Rb possibly coming from lepidolite or zinnwaldite. Cs-Li Plot Also shows a reasonable normal correlation Cs-Rb Plot. Displays a good normal correlation, especially if the quartz core samples were removed.
Further work	 The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive. 	 An RC drilling programme is currently being planned to test expand the Exploration Target with holes planned along Pegmatite 1 & 2, Breakaway (to the west) and Niobe South (to the south). A rig has been booked for end of September 2021, subject to POW approval. See Figure 3 of planned drill areas
Cut-off parameters	The basis of the adopted cut-off grade(s) or quality parameters applied.	Not relevant to this release.
Mining factors or assumptions	 Assumptions made regarding possible mining methods, minimum mining dimensions and internal (or, if applicable, external) mining dilution. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential mining methods, but the assumptions made regarding mining methods and parameters when estimating Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the mining assumptions made. 	 No mining factors or assumptions have been t as these are considered outside the scope of this stage of exploration.
Metallurgical factors or assumptions	The basis for assumptions or predictions regarding metallurgical amenability. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential metallurgical methods, but the assumptions regarding metallurgical treatment processes and parameters made when reporting Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of	 No metallurgical factors or assumptions have been considered for this as these are considered outside the scope of this stage of exploration



Criteria	JORC Code explanation	Commentary
	the basis of the metallurgical assumptions made.	
Environmen- tal factors or assumptions	 Assumptions made regarding possible waste and process residue disposal options. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider the potential environmental impacts of the mining and processing operation. While at this stage the determination of potential environmental impacts, particularly for a greenfields project, may not always be well advanced, the status of early consideration of these potential environmental impacts should be reported. Where these aspects have not been considered this should be reported with an explanation of the environmental assumptions made. 	 No environmental factors or assumptions have been considered as these are considered outside the scope of this stage of exploration. It must be noted that the area has be subject to trial mining in several locations in the past, with pits, ROM dumps and tailings and the area is therefore degraded. A proposed National Park is considered to the north and east of this licence with the boundary infringing on about 6.7% of the prospecting licence in the southeast, covering part of Niobe Southeast.
Bulk density	 Whether assumed or determined. If assumed, the basis for the assumptions. If determined, the method used, whether wet or dry, the frequency of the measurements, the nature, size and representativeness of the samples. The bulk density for bulk material must have been measured by methods that adequately account for void spaces (vugs, porosity, etc), moisture and differences between rock and alteration zones within the deposit. Discuss assumptions for bulk density estimates used in the evaluation process of the different materials. 	No bulk density tests have been made by Aldoro at this stage
Classification	 The basis for the classification of the Mineral Resources into varying confidence categories. Whether appropriate account has been taken of all relevant factors (ie relative confidence in tonnage/grade estimations, reliability of input data, confidence in continuity of geology and metal values, quality, quantity and distribution of the data). Whether the result appropriately reflects the Competent Person's view of the deposit. 	No Mineral resource is considered, the project is purely an exploration play.
Audits or reviews	The results of any audits or reviews of Mineral Resource estimates.	No Mineral Resource defined
Discussion of relative	Where appropriate a statement of the relative accuracy and confidence level in the Mineral Resource estimate using an approach	No Mineral Resource defined



RESOURCES Criteria	JORC Code explanation	Commentary
accuracy/ confidence	 or procedure deemed appropriate by the Competent Person. For example, the application of statistical or geostatistical procedures to quantify the relative accuracy of the resource within stated confidence limits, or, if such an approach is not deemed appropriate, a qualitative discussion of the factors that could affect the relative accuracy and confidence of the estimate. The statement should specify whether it relates to global or local estimates, and, if local, state the relevant tonnages, which should be relevant to technical and economic evaluation. Documentation should include assumptions made and the procedures used. These statements of relative accuracy and confidence of the estimate should be compared with production data, where available. 	
Study status	 The type and level of study undertaken to enable Mineral Resources to be converted to Ore Reserves. The Code requires that a study to at least Pre-Feasibility Study level has been undertaken to convert Mineral Resources to Ore Reserves. Such studies will have been carried out and will have determined a mine plan that is technically achievable and economically viable, and that material Modifying Factors have been considered. 	No Mineral Resource defined
Cut-off parameters	The basis of the cut-off grade(s) or quality parameters applied.	No Mineral Resource defined
Mining factors or assumptions	 The method and assumptions used as reported in the Pre-Feasibility or Feasibility Study to convert the Mineral Resource to an Ore Reserve (i.e. either by application of appropriate factors by optimisation or by preliminary or detailed design). The choice, nature and appropriateness of the selected mining method(s) and other mining parameters including associated design issues such as pre-strip, access, etc. The assumptions made regarding geotechnical parameters (eg pit slopes, stope sizes, etc), grade control and pre-production drilling. The major assumptions made and Mineral Resource model used for pit and stope optimisation (if appropriate). The mining dilution factors used. 	No Mineral Resource defined



RESOURCES Criteria	JORC Code explanation	Commentary
	 The mining recovery factors used. Any minimum mining widths used. The manner in which Inferred Mineral Resources are utilised in mining studies and the sensitivity of the outcome to their inclusion. The infrastructure requirements of the selected mining methods. 	
Metallurgical factors or assumptions	 The metallurgical process proposed and the appropriateness of that process to the style of mineralisation. Whether the metallurgical process is well-tested technology or novel in nature. The nature, amount and representativeness of metallurgical test work undertaken, the nature of the metallurgical domaining applied and the corresponding metallurgical recovery factors applied. Any assumptions or allowances made for deleterious elements. The existence of any bulk sample or pilot scale test work and the degree to which such samples are considered representative of the orebody as a whole. For minerals that are defined by a specification, has the ore reserve estimation been based on the appropriate mineralogy to meet the specifications? 	No Mineral Resource defined
Environmen- tal	 The status of studies of potential environmental impacts of the mining and processing operation. Details of waste rock characterisation and the consideration of potential sites, status of design options considered and, where applicable, the status of approvals for process residue storage and waste dumps should be reported. 	No Mineral Resource defined
Infrastructure	 The existence of appropriate infrastructure: availability of land for plant development, power, water, transportation (particularly for bulk commodities), labour, accommodation; or the ease with which the infrastructure can be provided, or accessed. 	No Mineral Resource defined
Costs	 The derivation of, or assumptions made, regarding projected capital costs in the study. The methodology used to estimate operating costs. Allowances made for the content of deleterious elements. The source of exchange rates used in the study. 	No Mineral Resource defined



Criteria	JORC Code explanation	Commentary
	 Derivation of transportation charges. The basis for forecasting or source of treatment and refining charges, penalties for failure to meet specification, etc. The allowances made for royalties payable, both Government and private. 	
Revenue factors	 The derivation of, or assumptions made regarding revenue factors including head grade, metal or commodity price(s) exchange rates, transportation and treatment charges, penalties, net smelter returns, etc. The derivation of assumptions made of metal or commodity price(s), for the principal metals, minerals and co-products. 	No Mineral Resource defined
Market assessment	 The demand, supply and stock situation for the particular commodity, consumption trends and factors likely to affect supply and demand into the future. A customer and competitor analysis along with the identification of likely market windows for the product. Price and volume forecasts and the basis for these forecasts. For industrial minerals the customer specification, testing and acceptance requirements prior to a supply contract. 	No Mineral Resource defined
Economic	 The inputs to the economic analysis to produce the net present value (NPV) in the study, the source and confidence of these economic inputs including estimated inflation, discount rate, etc. NPV ranges and sensitivity to variations in the significant assumptions and inputs. 	No Mineral Resource defined
Social	 The status of agreements with key stakeholders and matters leading to social licence to operate. 	No Mineral Resource defined
Other	 To the extent relevant, the impact of the following on the project and/or on the estimation and classification of the Ore Reserves: Any identified material naturally occurring risks. The status of material legal agreements and marketing arrangements. The status of governmental agreements and approvals critical to the viability of the project, such as mineral tenement status, and government and statutory approvals. There must be reasonable 	No Mineral Resource defined



RESOURCES Criteria	JORC Code explanation	Commentary
	grounds to expect that all necessary Government approvals will received within the timeframes anticipated in the Pre-Feasibility Feasibility study. Highlight and discuss the materiality of any unresolved matter that is dependent on a third party on which extraction of the reserve is contingent.	
Classification	 The basis for the classification of the Ore Reserves into varying confidence categories. Whether the result appropriately reflects the Competent Person's view of the deposit. The proportion of Probable Ore Reserves that have been derived from Measured Mineral Resources (if any). 	
Audits or reviews	The results of any audits or reviews of Ore Reserve estimates.	No Mineral Resource defined
Discussion of relative accuracy/ confidence	 Where appropriate a statement of the relative accuracy and confidence level in the Ore Reserve estimate using an approach procedure deemed appropriate by the Competent Person. For example, the application of statistical or geostatistical procedure quantify the relative accuracy of the reserve within stated confidence limits, or, if such an approach is not deemed appropriate, a qualic discussion of the factors which could affect the relative accuracy confidence of the estimate. The statement should specify whether it relates to global or local estimates, and, if local, state the relevant tonnages, which should relevant to technical and economic evaluation. Documentation include assumptions made and the procedures used. Accuracy and confidence discussions should extend to specific discussions of any applied Modifying Factors that may have a material impact on Ore Reserve viability, or for which there are remaining areas of uncertainty at the current study stage. It is recognised that this may not be possible or appropriate in all circumstances. These statements of relative accuracy and confidence available. 	s to ence itative v and I ld be should

