

5 December 2023

## Drilling at Mallina identifies mineralised spodumene

### Highlights

Grades up to 3.03% Li<sub>2</sub>O identified at Pegmatite 2

66 RC drill holes for 3,754m completed at the Mallina Project

Pegmatite 2 remains open along strike to both the North and South

Next phase to include testing extensions to known mineralisation and development of new targets

### Overview

Global Lithium explorer Morella Corporation Limited (ASX: 1MC “Morella” or “the Company”), is pleased to announce drilling assay results from the Mallina Project (tenement E47/2983) in Western Australia. Mallina is included in the JV portfolio between Morella and Sayona Mining Limited.

The drilling results have confirmed and improved the Company’s understanding of the mineralisation previously identified within the Pegmatite 2 area<sup>1</sup>. These results will be integral in advancing the development schedule of the project.

Forty-two (42) holes intercepted significant mineralisation (>0.5% Li<sub>2</sub>O) with highlights included in Table 1, pushing the Mallina project forward and expanding the value of Morella’s Pilbara assets.

| Hole ID | Easting | Northing | From (m) | To (m) | Intercepts                    |
|---------|---------|----------|----------|--------|-------------------------------|
| MRC084  | 610381  | 7669999  | 6        | 12     | 6m @ 1.06% Li <sub>2</sub> O  |
| MRC090  | 610360  | 7670079  | 1        | 12     | 11m @ 0.88% Li <sub>2</sub> O |
|         |         | inc.     | 9        | 12     | 3m @ 1.33% Li <sub>2</sub> O  |
| MRC097  | 610320  | 7670159  | 28       | 30     | 2m @ 1.44% Li <sub>2</sub> O  |
| MRC098  | 610301  | 7670159  | 45       | 48     | 3m @ 1.13% Li <sub>2</sub> O  |
| MRC113  | 610302  | 7670400  | 25       | 28     | 3m @ 1.22% Li <sub>2</sub> O  |
| MRC114  | 610279  | 7670400  | 43       | 50     | 7m @ 1.15% Li <sub>2</sub> O  |
| MRC127  | 610278  | 7670720  | 6        | 8      | 2m @ 1.22% Li <sub>2</sub> O  |
| MRC128  | 610257  | 7670720  | 24       | 30     | 6m @ 1.53% Li <sub>2</sub> O  |
|         |         | inc.     | 28       | 29     | 1m @ 3.03% Li <sub>2</sub> O  |
| MRC130  | 610216  | 7670719  | 63       | 68     | 5m @ 1.26% Li <sub>2</sub> O  |
| MRC138  | 610210  | 7670797  | 65       | 68     | 3m @ 1.02% Li <sub>2</sub> O  |
| MRC146  | 610219  | 7670960  | 38       | 41     | 3m @ 1.26% Li <sub>2</sub> O  |
| MRC147  | 610203  | 7670960  | 50       | 54     | 4m @ 1.22% Li <sub>2</sub> O  |
| MRC148  | 610219  | 7670877  | 47       | 53     | 6m @ 1.1% Li <sub>2</sub> O   |

Table 1: Highlighted grade intercepts

<sup>1</sup> Refer ASX release Mallina strike increases plus new mineralised spodumene dated 6 July 2023.  
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**Morella Managing Director James Brown said:**

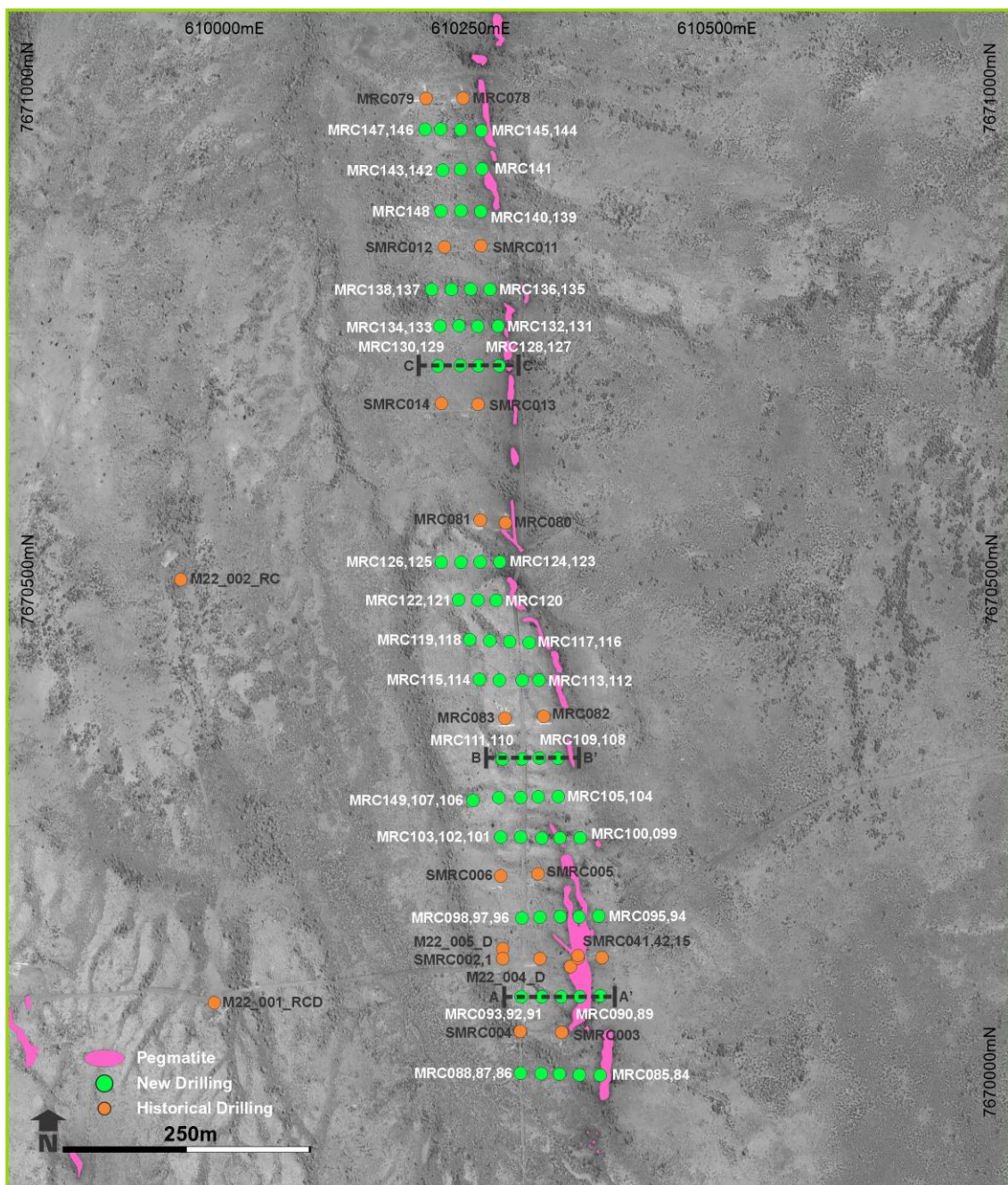
*“Morella is extremely pleased with the results of the Mallina drilling program. Coupled with the positive results from the Tabba Tabba and Wodgina soil sampling programs announced recently, we believe we have the beginnings of an exciting suite of projects in the Pilbara – an area that has continued to deliver significant projects.”*

*“The Pegmatite 2 area is just a small part of the Mallina licence, that from previous work we know includes numerous zones of pegmatite. The team will continue to review and interpret the results, so that the next phase of exploration can be undertaken as soon as possible.”*

**The Drilling Program Results**

During September 2023 a 66-hole drilling program was executed with the goal of developing the understanding of the Pegmatite 2 area at the Mallina Lithium Project. (See **Figure 1**).

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**Figure 1: Mapped pegmatite outcrop with drillholes at Pegmatite 2 Area .**



The 66 drill holes, totalling 3,754m, were completed in September 2023 by Topdrill using a Schramm C685 and a 5 ¼' hammer, (See Figure 2)



Figure 2: Top Drill Schramm C685

All pegmatite intervals were submitted for assay to ALS Global Laboratories Perth for peroxide fusion followed by ICP-MS analysis. Significant lithium assay results from the drilling are shown in Table 2. The significant intercepts are also presented in Figure 3 showing the drill collar locations.

| Hole ID | Easting | Northing | From (m) | To (m) | Intercept                          |
|---------|---------|----------|----------|--------|------------------------------------|
| MRC084  | 610381  | 7669999  | 6        | 12     | <b>6m @ 1.06% Li<sub>2</sub>O</b>  |
| MRC085  | 610360  | 7669999  | 27       | 32     | <b>5m @ 0.96% Li<sub>2</sub>O</b>  |
| MRC086  | 610340  | 7670000  | 52       | 53     | 1m @ 0.9% Li <sub>2</sub> O        |
| MRC087  | 610321  | 7670000  |          |        | NSI                                |
| MRC088  | 610300  | 7670001  |          |        | NSI                                |
| MRC089  | 610381  | 7670079  |          |        | NSI                                |
| MRC090  | 610360  | 7670079  | 1        | 12     | <b>11m @ 0.88% Li<sub>2</sub>O</b> |
|         |         | inc.     | 9        | 12     | <b>3m @ 1.33% Li<sub>2</sub>O</b>  |
| MRC091  | 610342  | 7670078  | 24       | 25     | 1m @ 0.74% Li <sub>2</sub> O       |
| MRC092  | 610322  | 7670078  |          |        | NSI                                |
| MRC093  | 610301  | 7670078  | 53       | 55     | 2m @ 0.69% Li <sub>2</sub> O       |
| MRC094  | 610380  | 7670160  |          |        | NSI                                |
| MRC095  | 610359  | 7670160  | 6        | 8      | <b>2m @ 1.05% Li<sub>2</sub>O</b>  |
| MRC096  | 610341  | 7670160  | 20       | 24     | 4m @ 0.82% Li <sub>2</sub> O       |
| MRC097  | 610320  | 7670159  | 28       | 30     | <b>2m @ 1.44% Li<sub>2</sub>O</b>  |
|         |         | and      | 34       | 36     | 2m @ 0.63% Li <sub>2</sub> O       |
| MRC098  | 610301  | 7670159  | 45       | 48     | <b>3m @ 1.13% Li<sub>2</sub>O</b>  |
| MRC099  | 610361  | 7670240  |          |        | NSI                                |
| MRC100  | 610340  | 7670240  |          |        | NSI                                |
| MRC101  | 610322  | 7670240  | 38       | 40     | 2m @ 0.92% Li <sub>2</sub> O       |
| MRC102  | 610300  | 7670240  | 33       | 34     | 1m @ 0.65% Li <sub>2</sub> O       |
| MRC103  | 610280  | 7670240  | 77       | 81     | 4m @ 0.77% Li <sub>2</sub> O       |

|        |        |         |    |    |                                   |
|--------|--------|---------|----|----|-----------------------------------|
| MRC104 | 610338 | 7670282 |    |    | NSI                               |
| MRC105 | 610318 | 7670281 | 36 | 37 | 1m @ 0.68% Li <sub>2</sub> O      |
| MRC106 | 610300 | 7670281 | 53 | 55 | <b>2m @ 1.15% Li<sub>2</sub>O</b> |
| MRC107 | 610278 | 7670281 |    |    | NSI                               |
| MRC108 | 610338 | 7670321 | 6  | 12 | <b>6m @ 0.95% Li<sub>2</sub>O</b> |
| MRC109 | 610319 | 7670321 | 30 | 31 | 1m @ 0.64% Li <sub>2</sub> O      |
| MRC110 | 610301 | 7670320 | 44 | 46 | <b>2m @ 1.05% Li<sub>2</sub>O</b> |
| MRC111 | 610282 | 7670320 |    |    | NSI                               |
| MRC112 | 610319 | 7670400 |    |    | NSI                               |
| MRC113 | 610302 | 7670400 | 25 | 28 | <b>3m @ 1.22% Li<sub>2</sub>O</b> |
| MRC114 | 610279 | 7670400 | 43 | 50 | <b>7m @ 1.15% Li<sub>2</sub>O</b> |
| MRC115 | 610259 | 7670401 |    |    | NSI                               |
| MRC116 | 610309 | 7670438 |    |    | NSI                               |
| MRC117 | 610289 | 7670439 |    |    | NSI                               |
| MRC118 | 610269 | 7670440 | 34 | 35 | 1m @ 0.54% Li <sub>2</sub> O      |
| MRC119 | 610249 | 7670441 | 58 | 59 | 1m @ 0.51% Li <sub>2</sub> O      |
| MRC120 | 610276 | 7670481 |    |    | NSI                               |
| MRC121 | 610257 | 7670481 |    |    | NSI                               |
| MRC122 | 610237 | 7670481 |    |    | NSI                               |
| MRC123 | 610279 | 7670520 |    |    | NSI                               |
| MRC124 | 610259 | 7670520 | 34 | 35 | 1m @ 0.81% Li <sub>2</sub> O      |
| MRC125 | 610240 | 7670520 |    |    | NSI                               |
| MRC126 | 610220 | 7670520 | 71 | 75 | 4m @ 0.65% Li <sub>2</sub> O      |
| MRC127 | 610278 | 7670720 | 6  | 8  | <b>2m @ 1.22% Li<sub>2</sub>O</b> |
| MRC128 | 610257 | 7670720 | 24 | 30 | <b>6m @ 1.53% Li<sub>2</sub>O</b> |
|        |        | inc.    | 28 | 29 | <b>1m @ 3.03% Li<sub>2</sub>O</b> |
| MRC129 | 610239 | 7670720 | 43 | 47 | 4m @ 0.98% Li <sub>2</sub> O      |
| MRC130 | 610216 | 7670719 | 63 | 68 | <b>5m @ 1.26% Li<sub>2</sub>O</b> |
| MRC131 | 610277 | 7670759 | 9  | 13 | 4m @ 0.8% Li <sub>2</sub> O       |
| MRC132 | 610257 | 7670759 | 30 | 35 | 5m @ 0.78% Li <sub>2</sub> O      |
| MRC133 | 610238 | 7670760 | 47 | 50 | 3m @ 0.83% Li <sub>2</sub> O      |
| MRC134 | 610218 | 7670759 | 62 | 64 | 2m @ 0.8% Li <sub>2</sub> O       |
| MRC135 | 610269 | 7670797 | 15 | 18 | 3m @ 0.67% Li <sub>2</sub> O      |
| MRC136 | 610250 | 7670797 | 31 | 35 | 4m @ 0.8% Li <sub>2</sub> O       |
| MRC137 | 610230 | 7670797 | 47 | 51 | 4m @ 0.82% Li <sub>2</sub> O      |
| MRC138 | 610210 | 7670797 | 65 | 68 | <b>3m @ 1.02% Li<sub>2</sub>O</b> |
| MRC139 | 610260 | 7670876 | 12 | 14 | 2m @ 0.97% Li <sub>2</sub> O      |
| MRC140 | 610240 | 7670877 |    |    | NSI                               |
| MRC141 | 610261 | 7670919 |    |    | NSI                               |
| MRC142 | 610239 | 7670919 |    |    | NSI                               |
| MRC143 | 610221 | 7670918 | 41 | 46 | 5m @ 0.75% Li <sub>2</sub> O      |
| MRC144 | 610260 | 7670958 |    |    | NSI                               |
| MRC145 | 610239 | 7670959 | 21 | 22 | 1m @ 0.9% Li <sub>2</sub> O       |
| MRC146 | 610219 | 7670960 | 38 | 41 | <b>3m @ 1.26% Li<sub>2</sub>O</b> |
| MRC147 | 610203 | 7670960 | 50 | 54 | <b>4m @ 1.22% Li<sub>2</sub>O</b> |
| MRC148 | 610219 | 7670877 | 47 | 53 | <b>6m @ 1.1% Li<sub>2</sub>O</b>  |

Table 2: Significant Intercepts from the recent drilling campaign (>0.5 Li<sub>2</sub>O%)



The Pegmatite 2 area constitutes a 1.5km long pegmatite swarm with multiple individual pegmatites, stacked in many areas, which now have been proven in both mapping and drilling.

The recent drill program confirmed mineralisation along most of the length of the pegmatite swarm (Figure 3) with pegmatite thicknesses up to 20m.

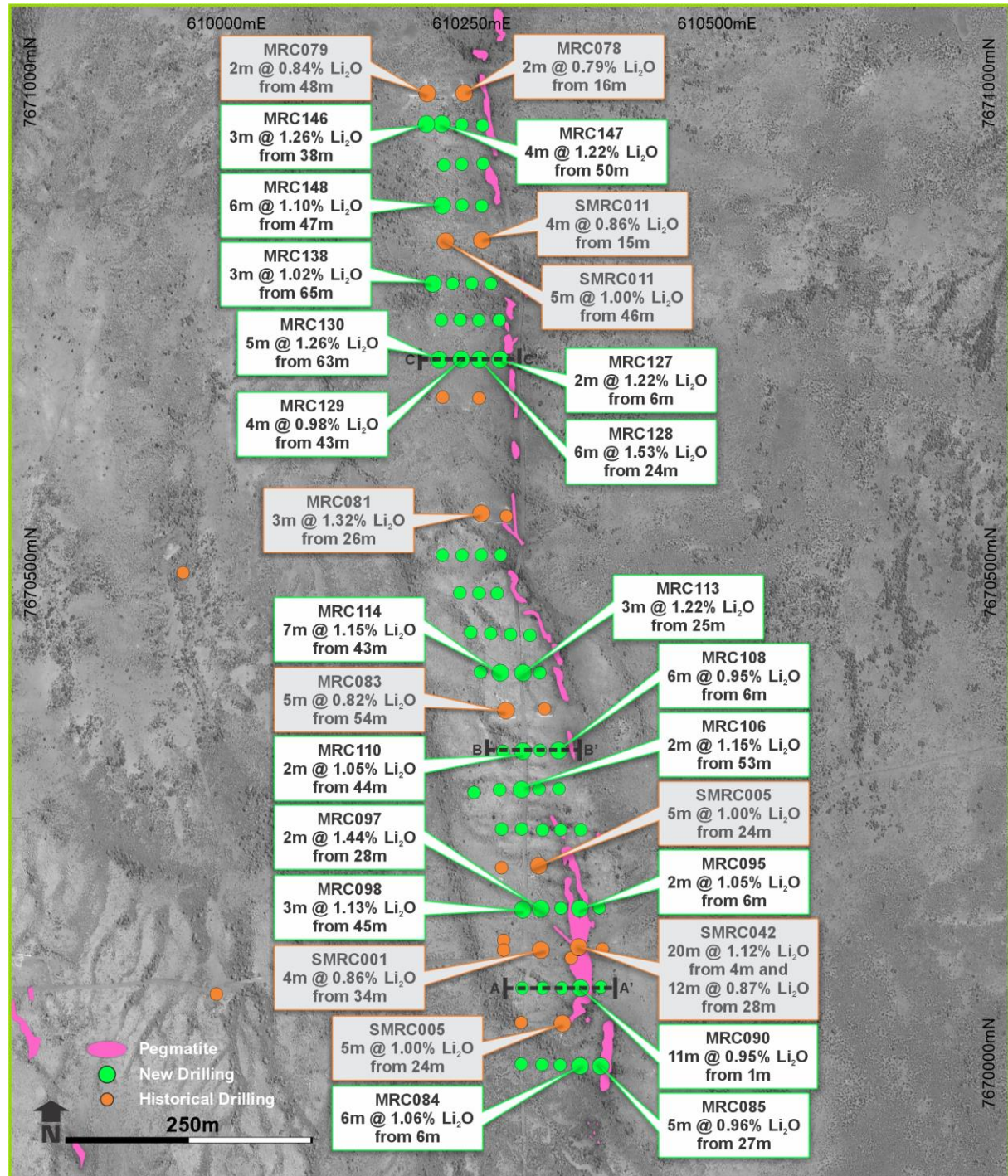


Figure 3: Pegmatite 2 hole plan showing significant grade intercepts

With mineralisation confirmed along 1km of strike length and open both along strike and at depth along a significant portion of the total strike, the Pegmatite 2 area is a prime target for further extensional drilling in conjunction with the development of additional prime targets within the Mallina project.

The sections included at Figures 4, 5 and 6 below represent the lines of drilling recorded in Figure 3 above at A, B and C.

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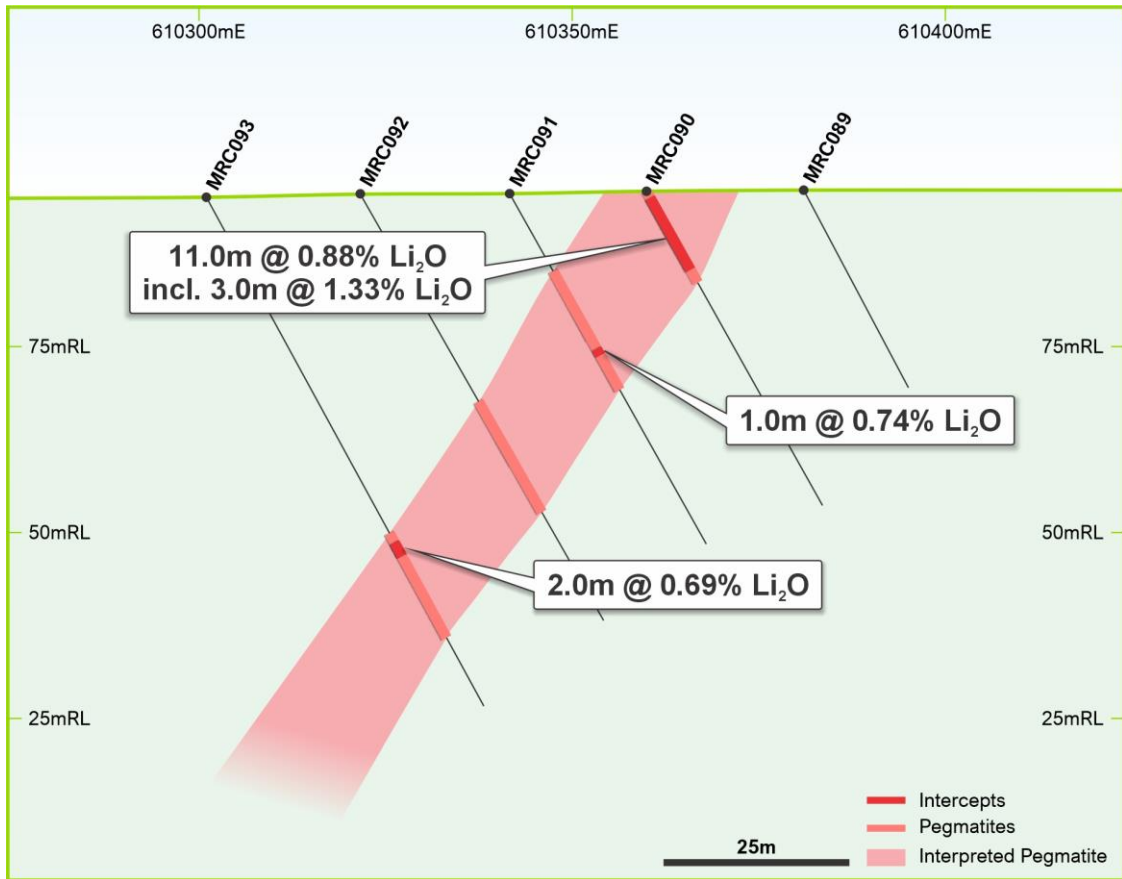


Figure 4: Section A - A' 7670080

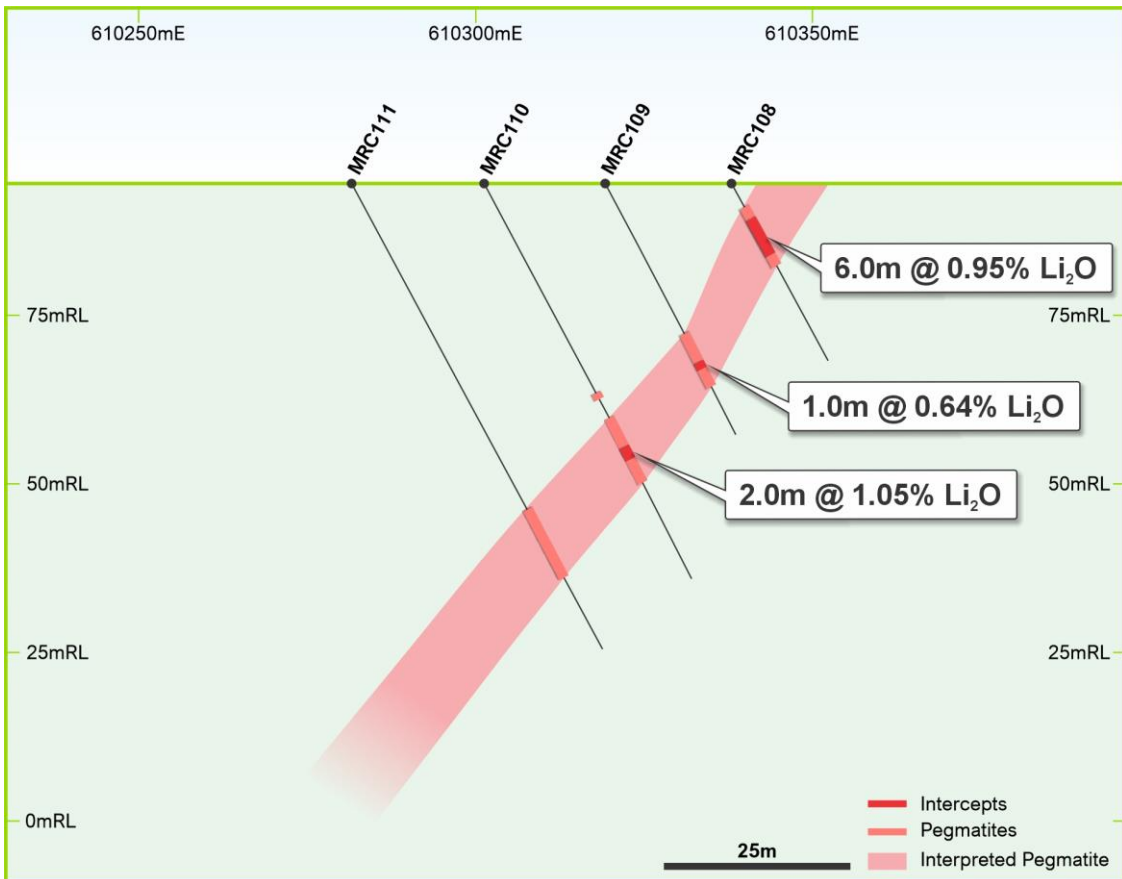


Figure 5: Section B - B' 7670320

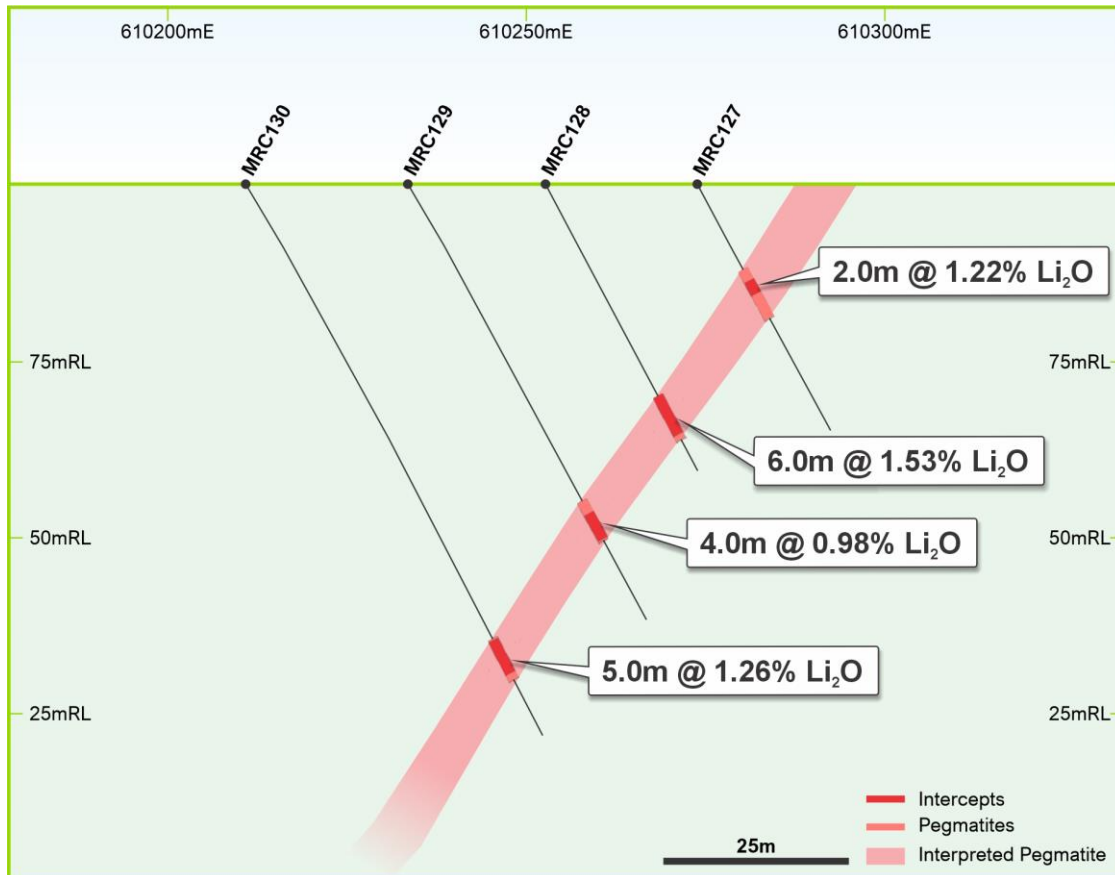


Figure 6: Section C - C' 7670720

### Conclusions and next steps

The completed drill program at Mallina resulted in 66 holes totalling 3,754 metres, showing significant grade intercepts in 42 holes along the entire length of the tested strike of the Pegmatite 2 area.

Future work includes planning and executing additional drilling to test extensions to the identified mineralisation, as well as locate and develop new targets within the Mallina lease.

### The Mallina Lithium Project

The Mallina Lithium Project is located 110 kilometres southwest of Port Hedland in WA's highly prospective Pilbara region (Figure 7). In 2021, Morella executed an earn-in agreement with ASX-listed Sayona Mining Limited (ASX:SYA) (Sayona), for the right to earn a 51% interest in the lithium rights of Sayona's Pilbara and Gascoyne lithium portfolio. Morella satisfied the requirements of the earn-in December 2022 and is currently finalising the Joint Venture Agreement with Sayona.<sup>2</sup>

<sup>2</sup> Refer ASX Announcement *Completion of earn-in requirements for Pilbara Lithium Asset - 20 December 2022*





Figure 7: Mallina Lithium Project

### Contact for further information

#### Investors | Shareholders

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**This announcement has been authorised for release by the Board of Morella Corporation Limited.**

**About Morella Corporation Limited** Morella (ASX:1MC) is an exploration and resource development company focused on lithium and battery minerals. Morella is currently engaged in exploration activities on multiple lithium project opportunities, strategically located, in Tier 1 mining jurisdictions in both Australia and the United States of America. Morella will secure and develop raw materials to support surging demand for battery minerals, critical in enabling the global transition to green energy.

**Forward Looking Statements and Important Notice** This announcement may contain references to forecasts, estimates, assumptions and other forward-looking statements. Although Morella believes that its expectations, estimates and forecast outcomes are based on reasonable assumptions, it can give no assurance that they will be achieved where matters lay beyond the control of Morella and its Officers. Forward looking statements may be affected by a variety of variables and changes in underlying assumptions that are subject to risk factors associated with the nature of the business, which could cause actual results to differ materially from those expressed herein.

**Competent Person's Statement** The information in this report that relates to Exploration Results is based on information compiled by Mr Henry Thomas, who is a Member of the Australasian Institute of Mining and Metallurgy and is the Exploration Manager employed by Morella. Mr Thomas 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 Mineral Resources'. Mr Thomas consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.



## APPENDIX 1

## MALLINA – COMPLETED DRILL HOLES

| Hole ID | Easting | Northing | RL    | DIP | AZIMUTH | Drilled Depth |
|---------|---------|----------|-------|-----|---------|---------------|
| MRC084  | 610381  | 7669999  | 95.78 | -60 | 90      | 30            |
| MRC085  | 610360  | 7669999  | 95.54 | -60 | 90      | 48            |
| MRC086  | 610340  | 7670000  | 95.51 | -60 | 90      | 66            |
| MRC087  | 610321  | 7670000  | 95.41 | -60 | 90      | 78            |
| MRC088  | 610300  | 7670001  | 95.30 | -60 | 90      | 80            |
| MRC089  | 610381  | 7670079  | 95.99 | -60 | 90      | 30            |
| MRC090  | 610360  | 7670079  | 95.82 | -60 | 90      | 48            |
| MRC091  | 610342  | 7670078  | 95.52 | -60 | 90      | 54            |
| MRC092  | 610322  | 7670078  | 95.50 | -60 | 90      | 66            |
| MRC093  | 610301  | 7670078  | 95.09 | -60 | 90      | 78            |
| MRC094  | 610380  | 7670160  | 95.80 | -60 | 90      | 30            |
| MRC095  | 610359  | 7670160  | 95.57 | -60 | 90      | 48            |
| MRC096  | 610341  | 7670160  | 95.17 | -60 | 90      | 48            |
| MRC097  | 610320  | 7670159  | 95.00 | -60 | 90      | 60            |
| MRC098  | 610301  | 7670159  | 94.83 | -60 | 90      | 78            |
| MRC099  | 610361  | 7670240  | 95.11 | -60 | 90      | 30            |
| MRC100  | 610340  | 7670240  | 95.09 | -60 | 90      | 48            |
| MRC101  | 610322  | 7670240  | 94.73 | -60 | 90      | 60            |
| MRC102  | 610300  | 7670240  | 94.51 | -60 | 90      | 78            |
| MRC103  | 610280  | 7670240  | 94.21 | -60 | 90      | 90            |
| MRC104  | 610338  | 7670282  | 94.85 | -60 | 90      | 36            |
| MRC105  | 610318  | 7670281  | 94.81 | -60 | 90      | 60            |
| MRC106  | 610300  | 7670281  | 94.58 | -60 | 90      | 78            |
| MRC107  | 610278  | 7670281  | 94.34 | -60 | 90      | 90            |
| MRC108  | 610338  | 7670321  | 94.64 | -60 | 90      | 30            |
| MRC109  | 610319  | 7670321  | 94.52 | -60 | 90      | 42            |
| MRC110  | 610301  | 7670320  | 94.29 | -60 | 90      | 66            |
| MRC111  | 610282  | 7670320  | 94.03 | -60 | 90      | 78            |
| MRC112  | 610319  | 7670400  | 93.58 | -60 | 90      | 30            |
| MRC113  | 610302  | 7670400  | 93.49 | -60 | 90      | 48            |
| MRC114  | 610279  | 7670400  | 93.61 | -60 | 90      | 66            |
| MRC115  | 610259  | 7670401  | 93.20 | -60 | 90      | 78            |
| MRC116  | 610309  | 7670438  | 93.54 | -60 | 90      | 30            |
| MRC117  | 610289  | 7670439  | 93.22 | -60 | 90      | 48            |
| MRC118  | 610269  | 7670440  | 93.06 | -60 | 90      | 66            |
| MRC119  | 610249  | 7670441  | 92.91 | -60 | 90      | 78            |
| MRC120  | 610276  | 7670481  | 93.10 | -60 | 90      | 36            |
| MRC121  | 610257  | 7670481  | 92.76 | -60 | 90      | 54            |
| MRC122  | 610237  | 7670481  | 92.63 | -60 | 90      | 78            |
| MRC123  | 610279  | 7670520  | 92.60 | -60 | 90      | 30            |
| MRC124  | 610259  | 7670520  | 92.70 | -60 | 90      | 48            |

| Hole ID | Easting | Northing | RL    | DIP | AZIMUTH | Drilled Depth |
|---------|---------|----------|-------|-----|---------|---------------|
| MRC125  | 610240  | 7670520  | 92.66 | -60 | 90      | 66            |
| MRC126  | 610220  | 7670520  | 92.49 | -60 | 90      | 90            |
| MRC127  | 610278  | 7670720  | 91.63 | -60 | 90      | 30            |
| MRC128  | 610257  | 7670720  | 91.37 | -60 | 90      | 36            |
| MRC129  | 610239  | 7670720  | 91.37 | -60 | 90      | 60            |
| MRC130  | 610216  | 7670719  | 91.14 | -60 | 90      | 78            |
| MRC131  | 610277  | 7670759  | 91.25 | -60 | 90      | 30            |
| MRC132  | 610257  | 7670759  | 91.31 | -60 | 90      | 40            |
| MRC133  | 610238  | 7670760  | 91.01 | -60 | 90      | 60            |
| MRC134  | 610218  | 7670759  | 91.01 | -60 | 90      | 78            |
| MRC135  | 610269  | 7670797  | 91.35 | -60 | 90      | 30            |
| MRC136  | 610250  | 7670797  | 90.80 | -60 | 90      | 40            |
| MRC137  | 610230  | 7670797  | 90.91 | -60 | 90      | 60            |
| MRC138  | 610210  | 7670797  | 90.62 | -60 | 90      | 78            |
| MRC139  | 610260  | 7670876  | 90.87 | -60 | 90      | 30            |
| MRC140  | 610240  | 7670877  | 90.68 | -60 | 90      | 48            |
| MRC141  | 610261  | 7670919  | 90.48 | -60 | 90      | 30            |
| MRC142  | 610239  | 7670919  | 90.13 | -60 | 90      | 36            |
| MRC143  | 610221  | 7670918  | 90.19 | -60 | 90      | 60            |
| MRC144  | 610260  | 7670958  | 89.98 | -60 | 90      | 36            |
| MRC145  | 610239  | 7670959  | 89.96 | -60 | 90      | 36            |
| MRC146  | 610219  | 7670960  | 89.83 | -60 | 90      | 60            |
| MRC147  | 610203  | 7670960  | 89.84 | -60 | 90      | 78            |
| MRC148  | 610219  | 7670877  | 90.40 | -60 | 90      | 66            |
| MRC149  | 610252  | 7670278  | 93.93 | -90 | 0       | 180           |

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**JORC CODE, 2012 EDITION – TABLE 1**

**Section 1 Sampling Techniques and Data**

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

| Criteria                     | JORC Code explanation  | Commentary   |
|------------------------------|--|--|
| <b>Sampling techniques</b>   | <ul style="list-style-type: none"> <li>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.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 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.</li> </ul> | <ul style="list-style-type: none"> <li>RC drill samples were collected at 1m intervals via a rig mounted cone splitter.</li> <li>Visual observation techniques were used for sample collection.</li> <li>RC drill hole chip samples were collected in one-metre intervals from the beginning to the end of each hole. Each sample was split directly using a cone splitter into numbered calico bags. The remaining material for each interval was collected directly into buckets that were placed near the drill rig for geological logging.</li> <li>All potentially mineralised intervals were sampled.</li> </ul>   |
| <b>Drilling techniques</b>   | <ul style="list-style-type: none"> <li>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.).</li> </ul>  | <ul style="list-style-type: none"> <li>Drilling method was Reverse Circulation (RC).</li> <li>The drilling contractor was Topdrill Pty Ltd with a Schramm 2 685 track mounted rig using a 5 5/8 inch rod string and RC Hammer.</li> <li>Holes were nominally drilled at -60 degrees</li> </ul>   |
| <b>Drill sample recovery</b> | <ul style="list-style-type: none"> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>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.</li> </ul>   | <ul style="list-style-type: none"> <li>No loss of sample recovery or quality was noted during drilling.</li> <li>Appropriate use of downhole pressure kept the RC drill cuttings dry.</li> <li>Samples are considered to be representative of the drilled intervals.</li> <li>Sample bias was not introduced during the drilling.</li> </ul>   |
| <b>Logging</b>               | <ul style="list-style-type: none"> <li>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.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.</li> <li>The total length and percentage of the relevant intersections logged.</li> </ul>  | <ul style="list-style-type: none"> <li>RC holes were geologically logged by rig geologists.</li> <li>Representative drill chips for each one-metre interval in the RC holes were collected by the Rig Geologist. The drill chips from these intervals were dry and wet sieved and the geology/lithology was logged. The lithology logging was undertaken on the one-metre intervals to document the lithology, colour, texture, alteration and mineralisation of each interval using standardised logging codes.</li> <li>A representative washed chip sample for each one-metre interval was placed in chip trays for future reference.</li> <li>The lithology logging was considered quantitative in nature.</li> <li>All recovered RC drill chips were logged.</li> </ul> |

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| Criteria  | JORC Code explanation   | Commentary  |
|---|---|---|
| <b>Sub-sampling techniques and sample preparation</b> | <ul style="list-style-type: none"> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>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.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul> | <ul style="list-style-type: none"> <li>RC Drill samples were collected at the time of drilling via a cone splitter.</li> <li>Sampling of cuttings was carried out following industry standards.</li> <li>RC samples were normally dry. If water was present, it was expelled from the hole before a sample was collected.</li> <li>Sixty six (66) Duplicate samples for analyses were collected from selected intervals to assist QA/QC assessment work.</li> <li>The sample size is considered appropriate given the grain size of the material being sampled.</li> </ul>        |
| <b>Quality of assay data and laboratory tests</b>     | <ul style="list-style-type: none"> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>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.</li> <li>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.</li> </ul>   | <ul style="list-style-type: none"> <li>Mineralogical and geochemical assay samples were dispatched to ALS Global in Perth, a certified laboratory.</li> <li>Appropriate sampling methods were adopted.</li> <li>No handheld tools were used.</li> <li>Sample duplicates, and Certified Reference Material (CRM) are inserted into the sample sequence for QA/QC purposes.</li> <li>Field CRMs, field duplicates, Lab duplicates, and Lab inserted CRM all performed within acceptable limits</li> <li>No external laboratory checks have been completed at this stage.</li> </ul> |
| <b>Verification of sampling and assaying</b>          | <ul style="list-style-type: none"> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <li>The use of twinned holes.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data</li> </ul>  | <ul style="list-style-type: none"> <li>No external verification has yet been completed.</li> <li>No twinned holes were drilled.</li> <li>All completed RC holes were logged.</li> <li>Assay data was provided by the laboratory as certified data files, once completed.</li> <li>Data listing survey, lithology &amp; sample numbers were recorded. Data validation was completed.</li> </ul>  |
| <b>Location of data points</b>                        | <ul style="list-style-type: none"> <li>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.</li> <li>Specification of the grid system used.</li> <li>Quality and adequacy of topographic control.</li> </ul>   | <ul style="list-style-type: none"> <li>The drill hole collars were surveyed by Wireline Services Group personnel using a DGPS unit (with an error of +/- 300mm).</li> <li>The Grid System used was Australian Geodetic MGA Zone 50 (GDA94).</li> <li>The level of topographic control offered by a DGPS was considered sufficient for the work undertaken.</li> </ul>   |
| <b>Data spacing and distribution</b>                  | <ul style="list-style-type: none"> <li>Data spacing for reporting of Exploration Results.</li> <li>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.</li> <li>Whether sample compositing has been applied.</li> </ul>  | <ul style="list-style-type: none"> <li>The drilling spacing is considered appropriate for the reporting of the exploration results</li> <li>No Mineral Resource or Ore Reserve Estimates have been completed.</li> <li>Normally one-metre RC drill hole chip samples were prepared for sample submission.</li> <li>No sample compositing was applied.</li> </ul>  |

| Criteria   | JORC Code explanation  | Commentary   |
|--|--|--|
| <b>Orientation of data in relation to geological structure</b> | <ul style="list-style-type: none"> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>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.</li> </ul> | <ul style="list-style-type: none"> <li>Drilling was generally orthogonal to the orientation of the pegmatites, minimising potential sample bias.</li> <li>The drilling of understood pegmatite units was targeted to drill across dip as is industry standard practice.</li> </ul> |
| <b>Sample security</b>   | <ul style="list-style-type: none"> <li>The measures taken to ensure sample security.</li> </ul>  | <ul style="list-style-type: none"> <li>The chain of custody for sampling procedures and sample analysis was managed by the rig geologists during drilling.</li> <li>Industry standard sample security and storage was undertaken.</li> </ul>                                       |
| <b>Audits or reviews</b>                                       | <ul style="list-style-type: none"> <li>The results of any audits or reviews of sampling techniques and data.</li> </ul>  | <ul style="list-style-type: none"> <li>No audits or reviews of the data have been conducted at this stage.</li> </ul>  |

## Section 2 Reporting of Exploration Results

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

| Criteria                                       | JORC Code explanation  | Commentary  |
|--|--|---|
| <b>Mineral tenement and land tenure status</b> | <ul style="list-style-type: none"> <li>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.</li> <li>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.</li> </ul> | <ul style="list-style-type: none"> <li>The project lies within the E47/2983 exploration tenement which was granted on 13 August 2014.</li> <li>The tenement is owned 100% by Sayona Lithium Pty Ltd (a wholly owned subsidiary of Sayona Mining Limited).</li> <li>Sayona and Morella have entered into a Joint Venture agreement with the right to a 51% interest in the Lithium rights over E47/2983 (and other tenements).</li> <li>Sayona has granted Morella the right to access and conduct exploration on the tenement.</li> <li>The tenement is in good standing and there is no known impediment to obtaining a licence to operate.</li> </ul> |
| <b>Exploration done by other parties</b>       | <ul style="list-style-type: none"> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>  | <ul style="list-style-type: none"> <li>Lithium was discovered on the tenement (including the collection of 23 rock samples) in late 2016.</li> <li>An initial 47 hole RC drill program was conducted by Sayona in 2017.</li> <li>A series of drill programs (RC and Diamond) have been carried out by Morella Corp since 2022 including 35 RC drill holes and 5 Diamond holes.</li> </ul>   |
| <b>Geology</b>                                 | <ul style="list-style-type: none"> <li>Deposit type, geological setting and style of mineralisation.</li> </ul>  | <ul style="list-style-type: none"> <li>The spodumene-bearing dykes at Mallina are recognised as composite or hybrid intrusions of early monzogranite and latter aplite phases.</li> <li>The various phases are typical components of the Split Rock Supersuite, which is considered the fundamental control on the formation of rare-metal spodumene-</li> </ul>  |

| Criteria   | JORC Code explanation  | Commentary   |
|--|--|--|
|  |  | <p>bearing pegmatite systems across the region from Pilgangoora through to Wodgina, and northwards to the Mallina Basin.</p> <ul style="list-style-type: none"> <li>Fine spodumene in the hybrid intrusions at Mallina is contained within a distinct aplite phase, that can be geochemically differentiated in the existing rock-chip and drill-hole assay datasets.</li> <li>The presence of fine spodumene in an aplite is not without regional precedence within the rocks of the Split Rock Supersuite, as this association has been recognised in the Pilgangoora district.</li> </ul> |
| <b>Drill hole Information</b>  | <ul style="list-style-type: none"> <li>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: <ul style="list-style-type: none"> <li>easting and northing of the drill hole collar</li> <li>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>dip and azimuth of the hole</li> <li>down hole length and interception depth</li> <li>hole length.</li> </ul> </li> <li>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</li> </ul> | <ul style="list-style-type: none"> <li>Morella completed RC drilling at Mallina.</li> <li>Sixty six (66) RC drill holes were drilled, totalling 3,754m.</li> <li>Relevant drill hole information has been provided in this release.</li> <li>No information has been excluded.</li> </ul>  |
| <b>Data aggregation methods</b>  | <ul style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated</li> </ul>   | <ul style="list-style-type: none"> <li>No metal equivalent values have been included.</li> <li>The aggregate intercepts are representative and do not contain large lengths of low-grade results.</li> </ul>   |
| <b>Relationship between mineralisation widths and intercept length</b> | <ul style="list-style-type: none"> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. • If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').</li> </ul>   | <ul style="list-style-type: none"> <li>There is insufficient data for a relationship between mineralisation widths and intercept lengths to be reported.</li> <li>The true width of the mineralisation is not known, only down hole length is reported.</li> </ul>   |
| <b>Diagrams</b>  | <ul style="list-style-type: none"> <li>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.</li> </ul>  | <ul style="list-style-type: none"> <li>Appropriate information has been included in this release.</li> </ul>   |
| <b>Balanced reporting</b>  | <ul style="list-style-type: none"> <li>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of</li> </ul>   | <ul style="list-style-type: none"> <li>Balanced reporting has been completed.</li> </ul>   |



| Criteria                                  | JORC Code explanation  | Commentary  |
|---|--|---|
|   | <i>both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</i>  |   |
| <b>Other substantive exploration data</b> | <ul style="list-style-type: none"> <li><i>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</i></li> </ul> | <ul style="list-style-type: none"> <li>No other exploration data to report.</li> </ul>  |
| <b>Further work</b>                       | <ul style="list-style-type: none"> <li><i>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).</i></li> <li><i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i></li> </ul>                              | <ul style="list-style-type: none"> <li>Mineralogical studies and geochemical assay work is planned to be completed once the samples are returned to Perth.</li> <li>Further work will be planned once the mineralogical study and geochemical assay results are evaluated.</li> </ul> |

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