

## COMPLETION OF ACQUISITION OF LITHIUM CLAY PROJECT

### HIGHLIGHTS

- Arcadia completes Acquisition of Lithium Clay Project through payment of Au\$164,000<sup>1</sup>
- Arcadia Minerals' associate, Brines Mining and Exploration Namibia (Pty) Ltd (**BME**), increases interest to 100% (previous interest 25%) of Bitterwasser Lithium Exploration (Pty) Ltd (**BLE**), which owns the Bitterwasser Lithium-in-Clay Project
- Overall Mineral Resources at Bitterwasser Clay Project Pans is 327,284 LCE tons<sup>2</sup>
- Overall Mineral Resource covers only two of fourteen known pans present in the Bitterwasser Pan District and is expected to increase with further exploration over other pans<sup>3</sup>
- Planned exploration over the upcoming six months include in-fill drilling over the Eden pan with the purpose of possibly upgrading the Mineral Resource into the Indicated Mineral Resource category
- Pre-Economic Assessment / Scoping Study planned over the lithium clay potential

**Arcadia Minerals Ltd (ASX:AM7, FRA:8OH) (Arcadia or the Company)**, the diversified exploration company targeting a suite of projects aimed at Tantalum, Lithium, Nickel, Copper and Gold in Namibia, is pleased to announce that Arcadia Minerals' 50%-owned associate, (BME) exercised the second option and completed the acquisition of the entire issued shares of BLE, thereby increasing its interest in the Bitterwasser Lithium Clay Project to 100%.

**Jurie Wessels, Executive Chairman of Arcadia stated:** *"Following the approval of shareholders on 5 April 2022, we've intensely explored and investigated the prospects of the Lithium-in-clay project which has given rise to an increase in our confidence in the mineral resource, its potential and its intrinsic features. As a result, we've decided to complete the*

<sup>1</sup> Refer to Asx Announcement 3 November 2021 "Arcadia Acquires adjacent Lithium project with JORC Mineral Resources"

<sup>2</sup> Refer to Asx Announcements 24 August 2022 "500% Increase in JORC Mineral Resource at Lithium Project" and 2 May 2023 "Maiden Resource at Madube Pan increase Lithium Resource to 327 000 LCE tons"

<sup>3</sup> Refer to Asx Announcement "Quarterly Activities Report for Period Ended 30 June 2023"

*transaction through BME exercising the second option and effectively acquiring 100% of the Bitterwasser Clay Project<sup>4</sup>. Our objectives are now to continue exploration over the area and to conduct the necessary studies to understand the economic potential of the project. Combined with the potential of the Lithium in Brines project<sup>5</sup> we are optimistic that the Bitterwasser District will become a valued asset for the Company.”*

### Completion of Acquisition

On 3 November 2021 the Company announced that BME has taken cession (**Deed of Cession**), as required under Listing Rule 11.1.2, shareholder approval was sought, for the acquisition agreement (**Acquisition Agreement**) to acquire up to 100% of Exclusive Prospecting Licenses 5358, 5354 and 5353 (**Licenses**) in Namibia.

In terms of the Acquisition Agreement:

- BME was entitled to appoint two directors out of three until completion of the terms of the Acquisition Agreement;
- BME had the right to conduct further exploration up to 16 May 2022, before which date BME may exercise an option (**first option**) to acquire 25% in the share capital of BLE for a consideration of N\$1M (~A\$87,000), to be funded by Arcadia through budgetary savings;
- BME had the right and a second option to conduct further exploration operations for an additional 2-year period after it completed the first option to acquire the balance of the equity interests in BLE of 75% for a consideration of N\$2M (at the time equivalent to ~A\$176,000) subject to further funding being raised, and;
- BME is to pay an additional consideration equal to N\$7M (~A\$615,000) upon the completion of a definitive feasibility study (**DFS**) over a resource containing not less than 500,000 tons of LCE arising from potential lithium-in-brines resident under the Clay Licenses at a minimum viable grade that results in a positive DFS.

Following the exercise of the first option<sup>6</sup> the work conducted over the Licenses indicated that an increase in the Mineral Resource announced at the time of the acquisition is likely and that the orebody is conducive to processing methodologies<sup>7</sup>.

A total of fourteen pans is located on over the three Licences. Resource drilling has been conducted over two of the pans that has resulted in a combined inferred Mineral Resource of

<sup>4</sup> Refer to Asx Announcements 14 March 2022 and 5 April 2022 “Notice of General Meeting” and “Results of Meeting”

<sup>5</sup> Refer to Asx Announcement 6 February 2023 “Geophysical Interpretation Defines Drill Targets for Lithium Brines”

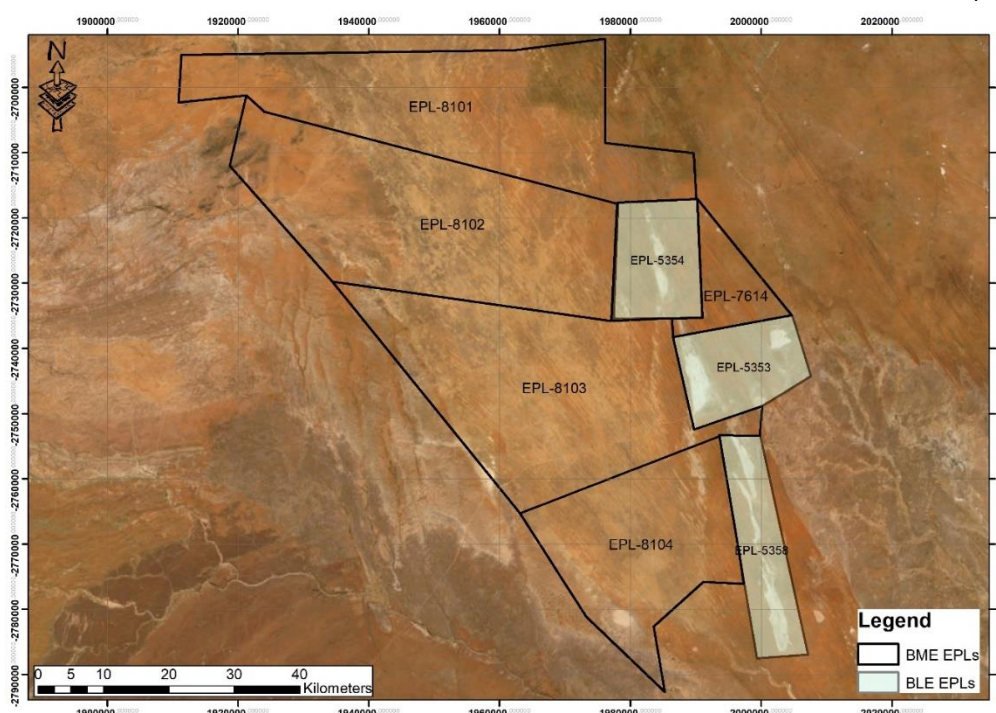
<sup>6</sup> Refer to Asx Announcement 2 May 2022 “Final Lithium Drilling Assay Results Received at Bitterwasser”

<sup>7</sup> Refer to Asx Announcement 19 August 2022 “Positive Cyclone and Leach Results for Lithium Clays”

327 284 tons of LCE. The Mineral Resource over the Eden pan (situated under EPL 5353) amounts to 286 910 tons LCE<sup>8</sup> and Madube pan (EPL5354) to 40 375 tons LCE<sup>9</sup>.

The exploration program over the next six months would include an infill drilling program over the Eden pan in order to convert a large proportion of the Mineral Resource from the Inferred category into the Indicated category. A pre-economic assessment (PEA) and scoping study is also planned over the Eden pan to determine its initial economic potential.

**Map 1:** Location of the BLE licences in relation to the BME licences at the Bitterwasser Lithium project.



This announcement has been authorised for release by the directors of Arcadia Minerals Limited.

For further information please contact:

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<sup>8</sup> Refer to Asx Announcements 24 August 2022 "500% Increase in JORC Mineral Resource at Lithium Project"

<sup>9</sup> Refer to Asx Announcement 2 May 2023 "Maiden Resource at Madube Pan increase Lithium Resource to 327 000 LCE tons"

**COMPETENT PERSONS STATEMENT & PREVIOUSLY REPORTED INFORMATION**

The information in this referenced announcements footnoted above that relates to Exploration Results, including the Mineral Resources contained within the Production Target (and forecast financial information derived from the production target) has previously been released on the ASX. The Company confirms that it is not aware of any information or data that materially affects the information included in the market announcement, and that all material assumptions and technical parameters underpinning the announcement continue to apply. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.

**MINERAL RESOURCES ESTIMATE**

The Company confirms that it is not aware of any new information or data that materially affects the information included in the Bitterwasser Mineral Resource estimate (Eden Pan) and the Bitterwasser Mineral Resources estimate (Madube Pan) and all material assumptions and technical parameters underpinning the mineral Resources estimates continue to apply and have not materially changed when referring to its updated resource announcement made on 24 August 2022 (Eden Pan) and the resource announcement made on 2 May 2023 (Madube Pan).

The information in this announcement that relates to Mineral Resources complies with the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code).

**Summary of estimated JORC compliant Mineral Resources for the Bitterwasser Project – Lithium in Clays (Eden Pan)**

CATEGORY	UNIT	TONNAGE ton	GRADE Li ppm	CONTAINED Li ton
<b>Cut-off Grade of 0 ppm Li</b>				
<b>Indicated</b>	Upper	-	-	-
	Middle	-	-	-
	Total Indicated	-	-	-
<b>Inferred</b>	Upper	61 518 571	464.60	28 582
	Middle	92 382 945	568.85	52 552
	<b>Total Inferred</b>	<b>153 901 516</b>	<b>527.18</b>	<b>81 134</b>
<b>Cut-off Grade of 500 ppm Li</b>				
<b>Indicated</b>	Upper	-	-	-
	Middle	-	-	-
	Total Indicated	-	-	-
<b>Inferred</b>	Upper	28 192 877	556.86	15 699
	Middle	56 955 751	670.72	38 201
	<b>Total Inferred</b>	<b>85 148 628</b>	<b>633.03</b>	<b>53 900</b>
<b>Cut-off Grade of 600 ppm Li</b>				
<b>Indicated</b>	Upper	-	-	-
	Middle	-	-	-
	Total Indicated	-	-	-
<b>Inferred</b>	Upper	2 878 041	634.69	3 659
	Middle	21 292 230	729.82	28 282
	<b>Total Inferred</b>	<b>44 516 575</b>	<b>717.50</b>	<b>31 941</b>

**Summary of estimated JORC compliant Mineral Resource for the Madube Pan at the Bitterwasser Lithium in Clays Project**

CATEGORY	UNIT	TONNAGE ton	GRADE Li ppm	LCE (t)	CONTAINED Li ton
<b>Cut-off Grade of 0 ppm Li</b>					
Indicated	Upper	-	-	-	-
	Middle	-	-	-	-
	Total Indicated	-	-	-	-
Inferred	Upper	27 118 188	339	49 003	9 206
	Middle	50 108 942	433	115 536	21 705
	Total Inferred	<b>77 227 130</b>	<b>400</b>	<b>164 539</b>	<b>30 911</b>
<b>Cut-off Grade of 500 ppm Li</b>					
Indicated	Upper	-	-	-	-
	Middle	-	-	-	-
	Total Indicated	-	-	-	-
Inferred	Upper	-	-	-	-
	Middle	13 716 390	553	40 375	7 585

**The overall (combined) inferred Mineral Resource for the Eden and Madube pans:**

Stratigraphic Unit	Tonnes	Average Value		Material Content	
		Li (ppm)	K%	Li (t)	LCE (t)
	Cut-off Grade of 500 ppm Li				
Upper	28 192 877	557	1.54	15 699	83 566
Middle	70 672 141	648	1.78	45 786	243 719
Total	98 865 018	622	1.71	61 485	327 285

**BACKGROUND ON ARCADIA**

Arcadia is a Namibia-focused diversified metals exploration company, which is domiciled in Guernsey. The Company explores for a suite of new-era metals (Lithium, Tantalum, Platinum-Group-Elements, Nickel and Copper). The Company's strategy is to bring the advanced Swanson Tantalum project into production and then to use the cashflows (which may be generated) to drive exploration and development at the potentially company transforming exploration assets. As such, the first two pillars of Arcadia's development strategy (a potential cash generator and company transforming exploration assets) are established through a third pillar, which consists of utilising the Company's human capital of industry specific experience, tied with a history of project generation and bringing projects to results, and thereby, to create value for the Company and its shareholders.

Most of the Company's projects are located in the neighbourhood of established mining operations and significant discoveries. The mineral exploration projects include-

1. Bitterwasser Lithium in Clay Project – which project contains a potentially expanding JORC Mineral Resource from lithium-in-clays
2. Bitterwasser Lithium in Brines Project – which is prospective for lithium-in-brines within the Bitterwasser Basin area.
3. Kum-Kum Project – prospective for nickel, copper, and platinum group elements.
4. TVC Pegmatite Project – prospective for Lithium, Tantalum and other associated minerals.
5. Karibib Project – prospective for copper and gold.

6. The Swanson Mining Project – advanced tantalum mining project undergoing development to become a mining operation, and which contains a potentially expanding JORC Mineral Resource within the Swanson Project area.

As an exploration company, all the projects of the company are currently receiving focus. However, currently the Swanson project and the Bitterwasser Lithium projects may be considered as Arcadia's primary projects due to their potential to enhance the Company's value.

For more details, please visit [www.arcadiaminerals.global](http://www.arcadiaminerals.global)

#### DISCLAIMER

Some of the statements appearing in this announcement may be forward-looking statements. You should be aware that such statements are only predictions and are subject to inherent risks and uncertainties. Those risks and uncertainties include factors and risks specific to the industries in which Arcadia operates and proposes to operate as well as general economic conditions, prevailing exchange rates and interest rates and conditions in the financial markets, among other things. Actual events or results may differ materially from the events or results expressed or implied in any forward-looking statement. No forward-looking statement is a guarantee or representation as to future performance or any other future matters, which will be influenced by a number of factors and subject to various uncertainties and contingencies, many of which will be outside Arcadia's control.

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