

Date: 8 August 2023

ASX Code: MAN

Capital Structure

Ordinary Shares: 598,759,920
Current Share Price: 4.5c
Market Capitalisation: \$26.9M
Cash: \$16.8M (June 2023)
EV: \$10.1M
Debt: Nil

Directors

Lloyd Flint
Non-Executive Chairman
Company Secretary

James Allchurch
Managing Director

Roger Fitzhardinge
Non-Executive Director

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Targeted leasing lifts Utah Lithium Project to over 93,755 acres (~379km²)

Highlights

- **Mandrake has completed targeted leasing at the 100%-owned, large-scale, Utah Lithium Project, securing a largely contiguous land package encompassing most of the Lisbon Valley**
- **5,659 acres staked in close proximity to the Big Indian Unit 1 (BIU-1) well which is to be re-entered and sampled**
- **Acres proximal to re-entry wells ensure the maximum number of brine tonnes can be included in any potential Mineral Resource Estimation pursuant to forthcoming sampling activities**
- **A total of 93,755 acres (~379km²) of prime lithium ground has been successfully secured which constitutes a large-scale potential world-class project**
- **Mandrake fully funded - \$16.8M**

Managing Director James Allchurch commented:

"Mandrake has now optimized the impact of forthcoming sampling activities by picking up a further 5,659 acres in close proximity to the BIU-1 well.

The additional acres will ensure that the maximum number of acres, and therefore tonnes of lithium brine, will be able to be incorporated into any potential Mineral Resource Estimation generated in the wake of re-entry sampling at the BIU-1 and B-912 wells.

There is typically a direct correlation between acres leased and Resource size given the ubiquitous and homogenous nature of lithium brines in the area".

Mandrake Resources Limited (ASX: MAN) (Mandrake or the Company) is pleased to announce that it has staked an additional 5,659 acres of Bureau of Land Management (BLM) land, securing a total of 93,755 acres (approximately 379 km²) of lithium brine prospective ground in the Paradox Basin.

The lithium brine land tenure now comprises:

1. 34,670 acres of leases pursuant to an Other Business Agreement (OBA) with the Utah School and Institutional Trust Lands Administration (SITLA), the organization which manages the Utah State Government's trust lands and mineral rights.
2. Over 2,950 BLM claims which totals 59,085 acres.

The additional 5,659 acres staked in the latest campaign are located in close proximity to the Big Indian Unit 1 (BIU-1) well which, together with the B-912 well, is set to be re-entered and sampled for lithium brines.

Targeted and strategic staking in proximity to sampling points (re-entered wells) is crucial insofar it ensures the maximum number of brine tonnes can be included in any potential Mineral Resource Estimation given the strong correlation in lithium brine settings between areal extent (acres leased) and Mineral Resource size.

Mandrake will continue to review the surrounding land position, targeting attractive land parcels that will enhance the existing project.

Paradox Basin, USA

The Paradox Basin in the south-eastern Utah 'lithium four corners' area hosts hypersaline brines historically documented to contain significant concentrations of lithium, potassium salts (potash), bromine, boron and other elements. The Paradox Basin hosts the Cane Creek potash mine operated by Intrepid Potash (NYSE: IPI) (the United States' biggest potash producer) and the operations of mid-tier ASX-listed lithium developer Anson Resources (ASX: ASN) who has an existing JORC Mineral Resource of 1.04Mt of Lithium Carbonate Equivalent (LCE) and 5.27Mt of Bromine¹.

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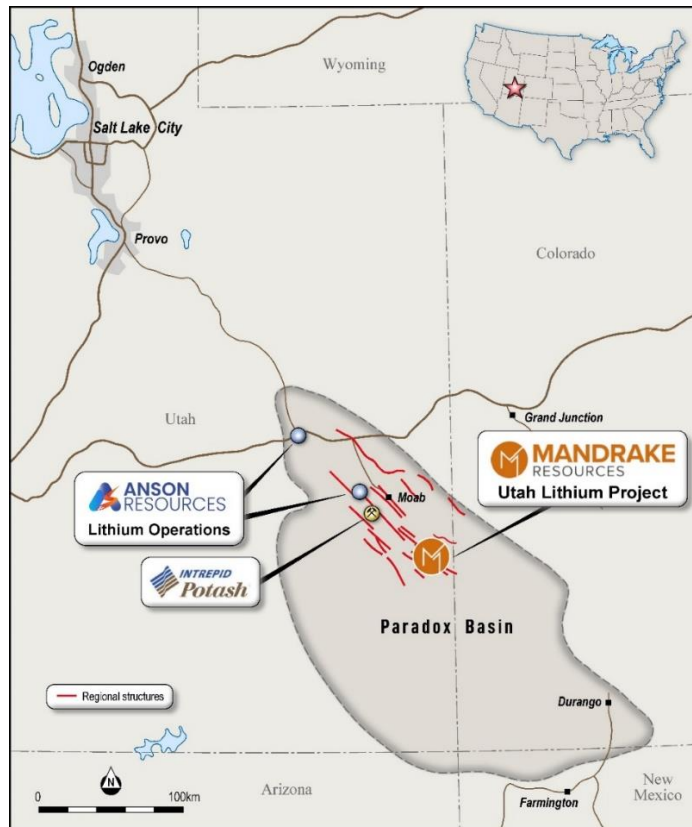


Figure 1: Location of the Utah Lithium Project

¹ ASN ASX release dated 2 November 2022

Competent Persons Statement

The information related in this announcement has been compiled and assessed under the supervision of Mr James Allchurch, Managing Director of Mandrake Resources. Mr Allchurch is a Member of the Australian Institute of Geoscientists. He has sufficient experience that is relevant to the information under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the JORC Code. Mr Allchurch consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

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