RESOURCES

March 2023 Investor Presentation

ASX: MAN

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The technical information in this announcement complies with the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code) and 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 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 JORC Code. Mr Allchurch consents to the inclusion in this presentation of the matters based on his information in the form and context in which it appears. To the best of the Competent Person's knowledge, the information in the announcement is an accurate representation of the available data and studies.

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Investor Presentation 02

Supporting the Energy Revolution in the US

Decarbonization

Entering the era of the Electric Vehicle

Availability of Energy storage is fundamental

Batteries need Lithium

Albermale forecasting 5x Lithium demand growth from 2022 to 2030¹

Ensuring Self-Sufficiency

US government focused on building domestic EV chain

Battery Gigafactories growth

Late 2020's US Lithium demand outstrips current capacity

Different US government initiatives support local (partners) Lithium supply

1 Albermale forecast from January 23, 2023 strategic update

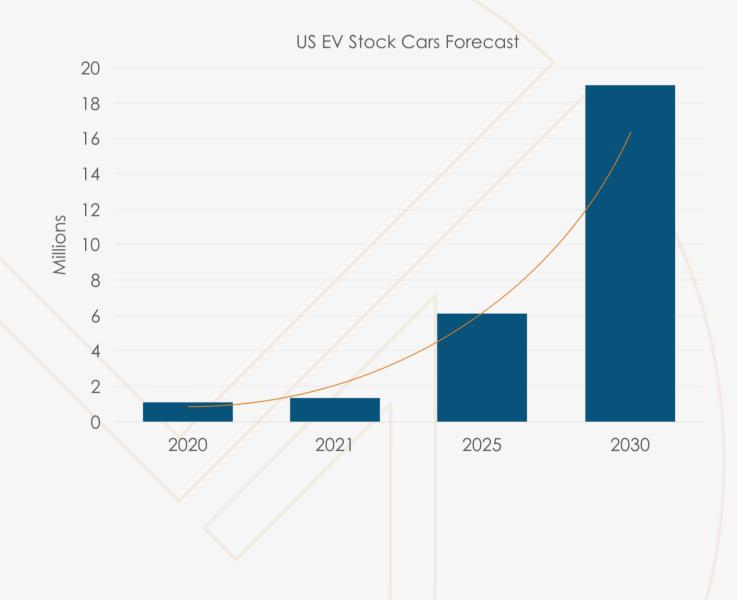


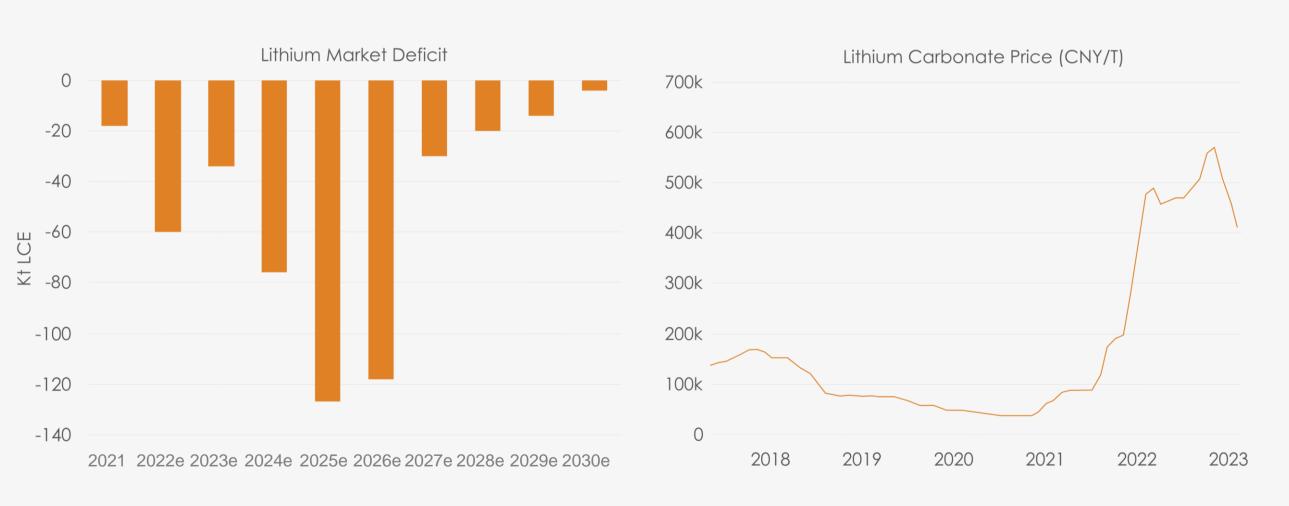
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Lithium Market - Strong Market Fundamentals

Exponential EV Growth

Higher Lithium Demand





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Source: International Energy Agency (IEA) Global EV Data Explorer, Ioner (ASX:INR) January 2023 presentation and www.tradingeconomics.com



Higher Lithium Prices

Corporate Snapshot



Market Cap

Cash **\$19m**



Overview

Tight capital structure

\$19m in cash

100%-owned Large-scale US lithium asset acquired

Lithium Carbonate Exploration Target imminent

Strong news-flow

Shareholders

Galan Lithium Limited	5.9 %
BNP Paribas Nominees Pty	5.3%
Sandhurst Trustees Ltd	3.4%
James Allchurch	2.4%
Citicorp Nominees Pty Ltd	2.1%
Top 20 Shareholders	36%







Board of Directors & Management



James Allchurch Managing Director

Over 20 years' experience in mineral exploration, geotechnical assessment and mining operations. Mr Allchurch has held various Board positions over the previous 15 years and has considerable expertise in the identification and assessment of resource projects over a broad range of commodities.



Lloyd Flint Non-Executive Chairman

Chartered Accountant with over 25 years' experience in the corporate and financial services arena. He has held a number of management and senior administrative positions as well as providing corporate advisory services as a consultant to corporate clients.



Ricardo Garzon Chief Operations Officer

MSc in Energy Economics and Management

+ 15 years' experience in mineral and oil and gas exploration.

Has held various Board positions including with ASXlisted Baraka Petroleum Ltd.



Jake Cammack Exploration Manager USA

MSc in Geochemistry

Developed a Lithium brine geochemistry database from public and private sources.

Specialist in using GIS databases to identify and evaluate new prospects.



MSc in Geology

Expertise in mapping subsurface geology utilizing Petra software.

Has consulted on numerous oil and gas projects in the Four Corners region.





Roger Fitzhardinge Non-Executive Director

More than 20 years' experience in the exploration and mining industry. Mr Fitzhardinge was instrumental in identifying, acquiring and developing the Jaguar Nickel Sulphide Project for Centaurus Metals (ASX:CTM) propelling the company's market capitalisation more than 20 times to over \$500M.

Sabina Kraushaar Geologist USA



Roy Eccles Lithium Brine Expert

MSc in Petroleum Geology

+35 years' experience as a Geological Consultant.

Specialist in critical metals, including Lithium confined aquifer brine deposits.

Internationally recognized for his research on mineral resources related to the evolving green energy technology sector.

Large-scale US Lithium Brine Project

Mandrake has staked over 23,572 acres of Federal BLM claims in the preceding 4 months

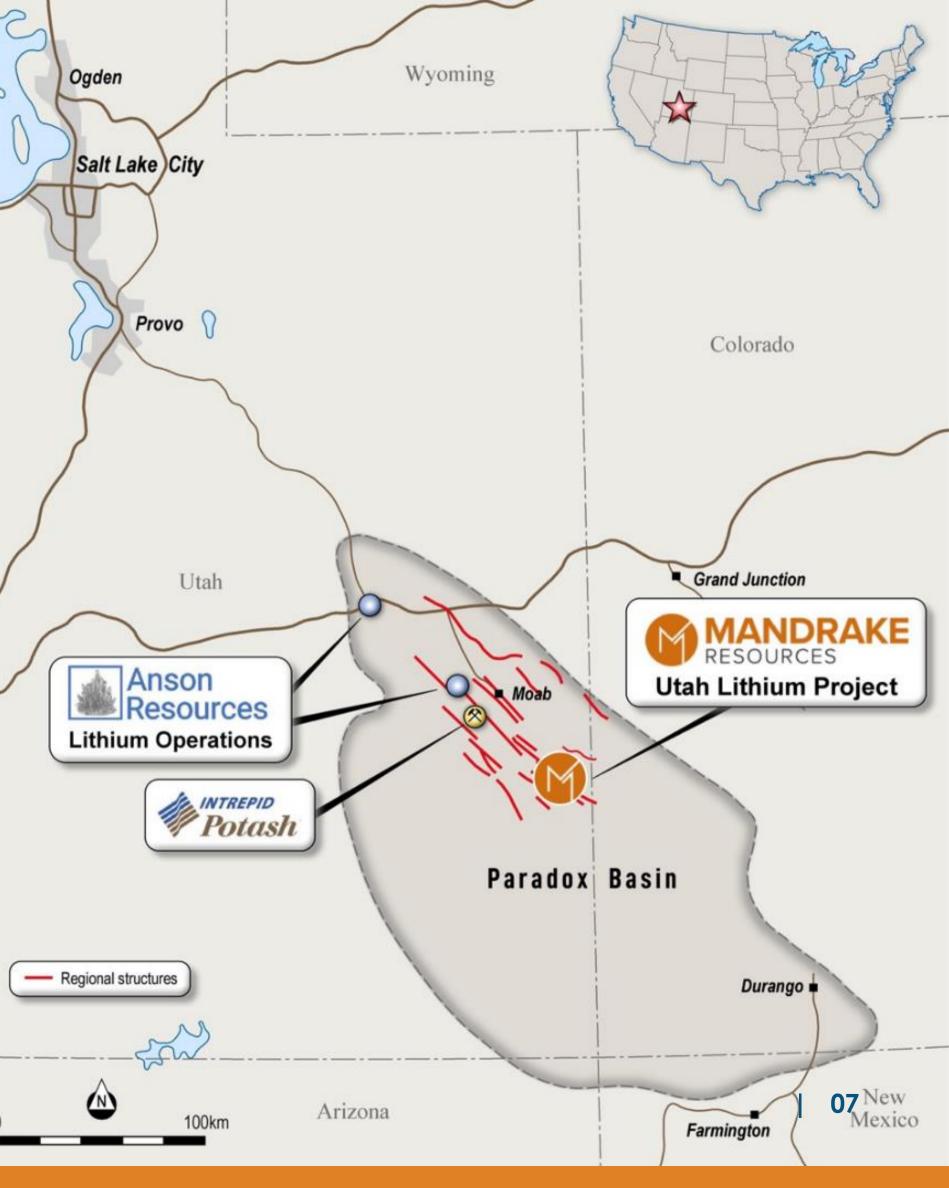
Other Business Agreement (OBA) with Utah State Govt for a further 34,670 acres

Commanding total acreage position of 58,242 acres (226km²) – and growing

Prolific oil and gas producing area with hundreds of active, suspended and abandoned wells with potential to access lithium brines – petrolithium

Sampling lithium brines from existing wells is a significant cost saving to drilling

Outstanding infrastructure with nearby rail, road power and water infrastructure in the heart of the US



Utah Lithium Project - Premier Position

Large-scale acreage position in the 'lithium four corners' Paradox basin in Utah

Oversaturated brines (40% minerals, 60% water) discovered during oil exploration 80 years ago

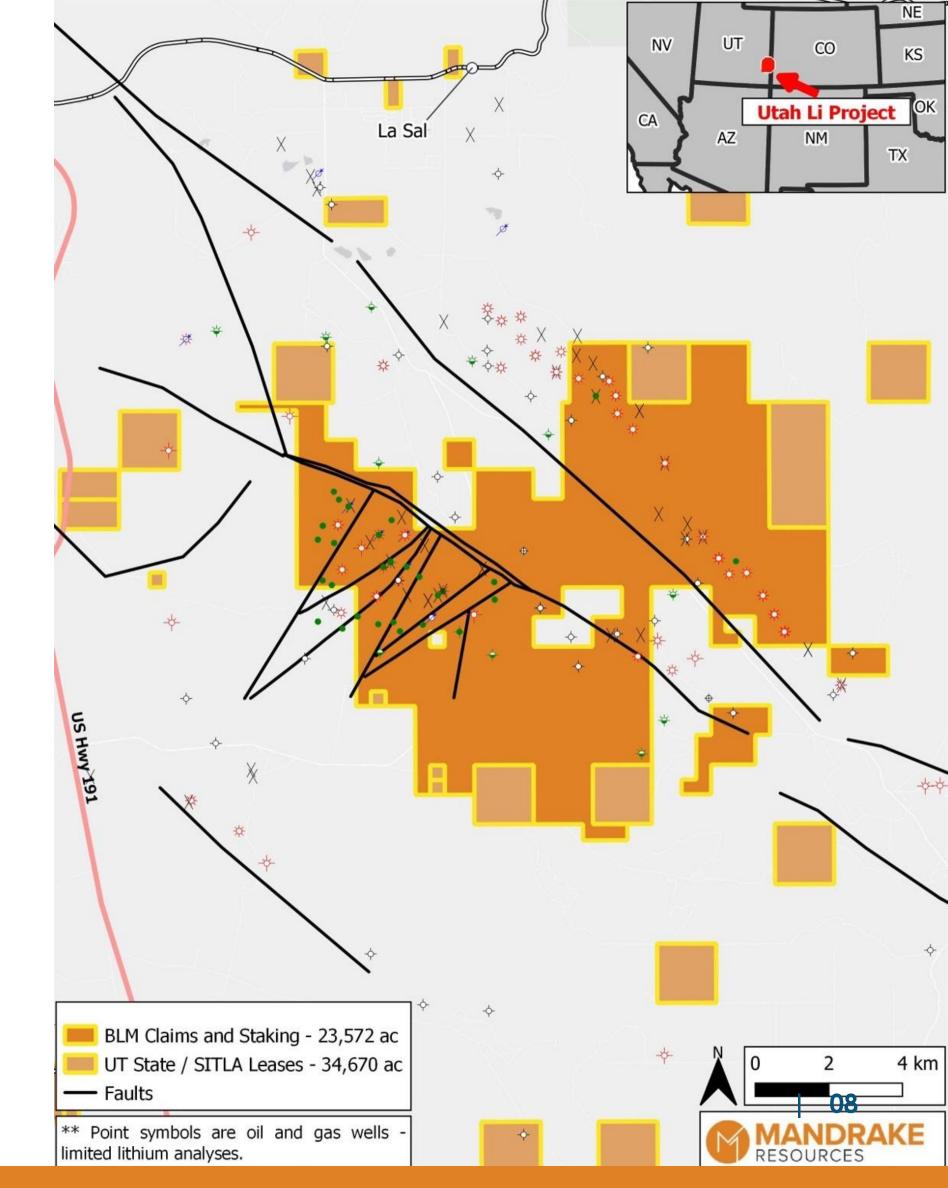
Brines hosted by the Paradox formation (>4,000 ft thick interbedded salt/clastic) and the 400ft thick Leadville Formation – enormous brine reservoirs

US's largest potash producer, Intrepid Potash, (NYSE: IPI) operate the Cane Creek potash mine 50km north

60km to the northwest, Anson Resources (ASX: ASN; market cap: \$247M) have a Mineral Resource of over 1Mt of LCE at 124mg/L with an additional aggregate Exploration Target range of 2.1Mt - 4.7Mt LCE

A Tier-1 mining jurisdiction, Utah is 11th in Fraser Institutes Global Investment Attractiveness Index

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Utah Lithium Project – Exploration Ready

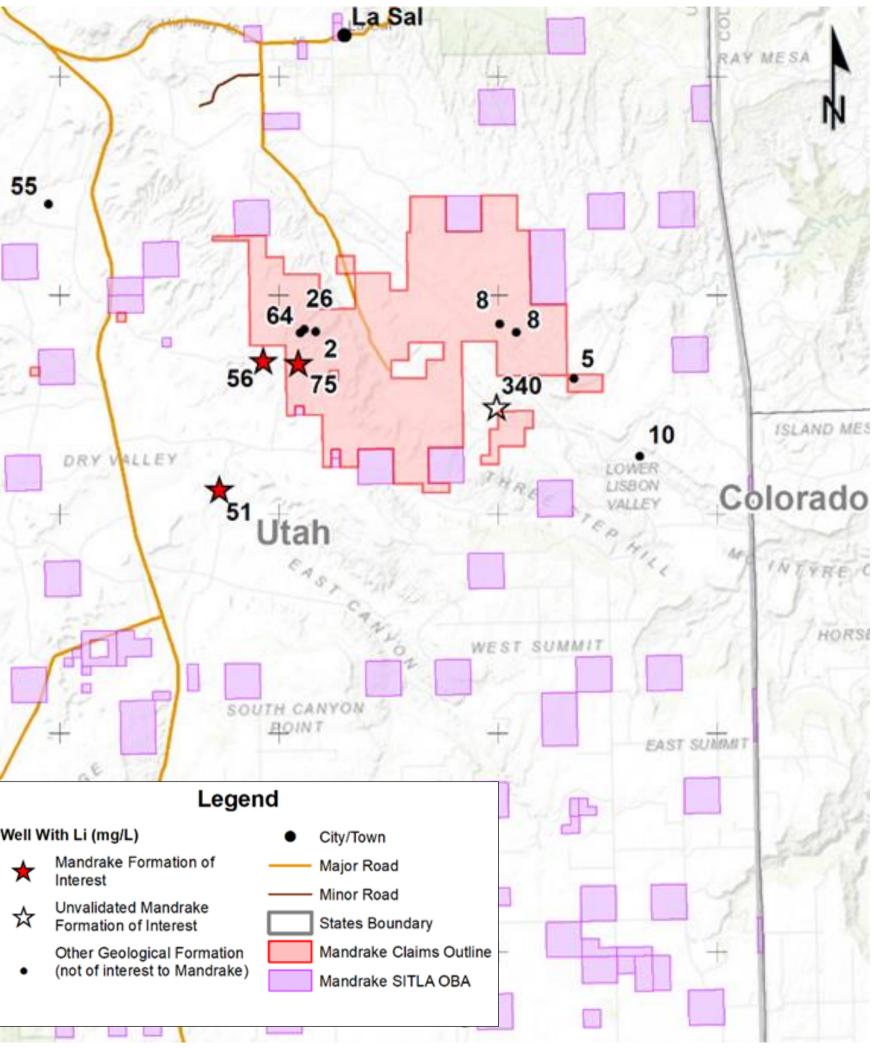
Previous sampling was suboptimal - wells exclusively drilled for oil, not targeting lithium brines

Compilation of comprehensive geological and petrophysical data is well advanced – identification of wells to be sampled underway

Strong news flow in the short term:

- Expansion of acreage
- Exploration Target
- Well-access Agreements
- Sampling
- Mineral Resource

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US – The Place to be for Critical Minerals

Extraordinary support for non-adversarial (domestic) sources of critical minerals by way of grants & loans from US Govt & Industry

Inflation Reduction Act 2022 (IRA) - US\$391 billion for energy security and climate change

American Battery Materials Initiative (ABM)

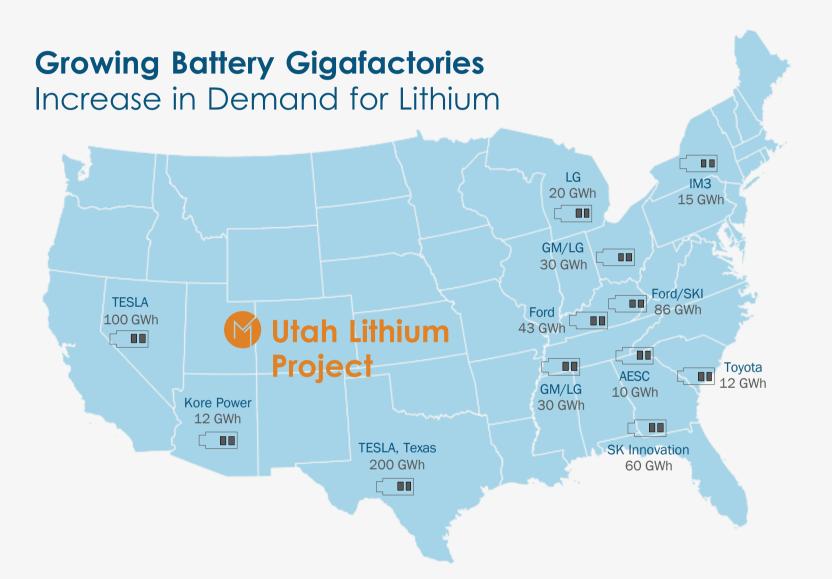
Department of Defence to invest in raw materials for batteries (Defence Production Act)

Recent support for lithium players in the US includes:

- US\$700M loan to loneer (ASX:INR)
- US\$141.7M grant to Piedmont (ASX:PLL)

- US\$650M investment by General Motors in the Thacker Pass demonstrates the availability of Private Industry Investment





The Bipartisan Infrastructure Law, CHIPS & Science Act, and IRA combined will invest more than \$135 billion to build America's electric vehicle future, including critical minerals sourcing, processing and battery manufacturing. White House Statement October 19, 2022

Strategic Alignment with Lithium Developer

Lithium Carbonate Fauivalent (LCF)



Market Cap ASX Code Mineral Resources GLN **S357M** 6.5Mt

Currently developing the Hombre Muerto West lithium brine project in Argentina

Extensive commercial and technical experience in the lithium brine sector

"The large-scale potential of Mandrake's Utah Lithium Project situated in an extremely attractive jurisdiction boasting power and water infrastructure in the lithium-hungry United States presented a compelling opportunity for Galan to gain early-stage exposure."

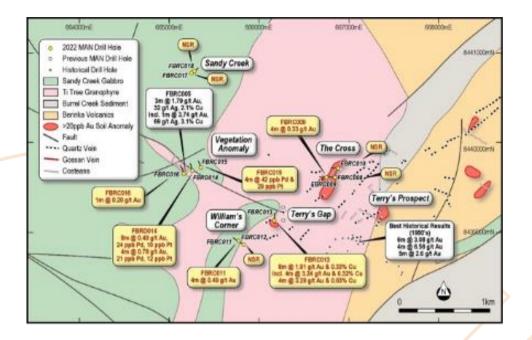
JP Vargas de la Vega (Galan Lithium MD)

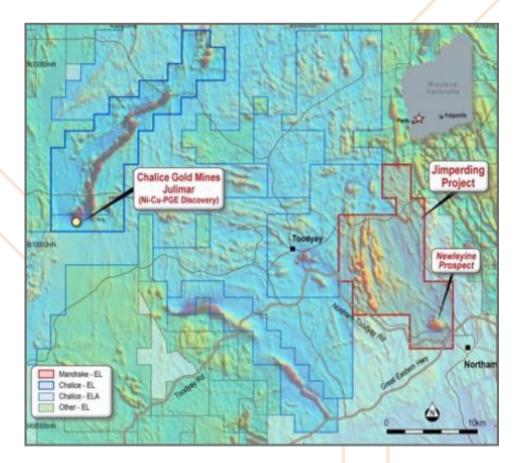
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- 30M shares at 5c (\$1.5M) for a ~5% stake in Mandrake (one year escrow)
- Recently purchased another 5M MAN onmarket
- Attracted to the scale and location of the Utah Lithium Project
- Provide crucial technical and commercial expertise in the lithium space
- Advanced knowledge of direct lithium extraction (DLE) and hybrid DLE/evaporative pond technology

Other Projects





Berinka Au-Ag-Cu Project Northern Territory

that has received little modern exploration

Jimperding PGE-Ni-Cu Project Western Australia

142km² EL - 100% owned by Mandrake

Located 30km east of Chalice's exciting Julimar PGE-Ni-Cu discovery

Newleyine Prospect has received all the work to date

intrusives remaining untested across the tenure



- 100%-owned Berinka Pine Creek Project is a highly prospective frontier high grade Au-Ag-Cu prospect
- Mandrake's drilling has returned high grade gold and unexpected high grade copper and silver results
- Drilling has defined gold mineralisation over a strike length of greater than 2km and also identified platinum and palladium anomalism for the first time in the Sandy Creek Complex gabbro host rock.

- Identified and pegged on its compelling PGE-Ni-Cu potential prior to the Julimar discovery in March 2020
- Strong EM conductor (8,750 siemens) remains undrilled at Newleyine with multiple identified ultramatic

Near-Term Newsflow

Strategic expansion of land position

Well-access agreements and sampling of existing wells/potential drilling of new well

JORC 2012 Exploration Target

Assessment of funding options (US govt grant/ loan and private industry)

JORC 2012 Mineral Resource Estimate

Investigation of suitable direct lithium extraction (DLE) technologies & potential development partners

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