



# Investor Presentation

October 2021

ASX:AM7

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## Competent Persons Statement

The information in this Presentation which relates to geological environment and exploration results is based on information compiled by competent persons, details of whom are described in the announcements by the Company, particularly those dated 7 September and 23 September 2021 and the Company's supplementary prospectus dated 15 April 2021. The independent geological experts have sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activities which they are 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' (the JORC Code). Further details relating to the independence of the competent persons are detailed in the aforesaid announcements.



# Company Highlights

- | Listed 25 June 2021 (raising Aus\$6,4M)
- | Namibia Focused Explorer
- | Experienced executive team with track record from exploration to production
- | Project range:
  - | Advanced Tantalum project
  - | Battery-Metals portfolio (Nickel, Lithium, Copper)
- | Potentially company-transforming assets with rapid value creation prospects
- | Swanson Ta. Project: Potential early cash generator
- | In-Country team led by executives to commence with exploration immediately. No Covid-19 delays expected
- | Cornerstone investor: Raubex Group (JSE listed)
  - | Largest Shareholder in Arcadia – 26%
  - | Raubex is an experienced international mining services contractor



# EXECUTIVE DIRECTORS

## **Jurie Wessels**

**(Executive Chairman – Based in South Africa)**

Jurie has 24 years' experience in the exploration industry and co-founded a number of exploration and mining companies including public companies such as Bauba Resources Ltd (BAU.J), GoldStone Resources Ltd (GRL.L), and Vanadium Resources Ltd (ASX:VR8) where he is currently executive chairman. Jurie acted for various exploration companies in Africa, South America and Europe and practised as a minerals lawyer up to 2003, but is still admitted as an attorney (non-practising) and a notary of the High Court of South Africa.

## **Philip Le Roux**

**(Chief Executive Officer – Based in Namibia)**

Philip has 30 years' experience in exploration, mining and economic geology, with extensive exposure in different geological terrains worldwide. He commenced his career as a Mine Geologist for Gencor Limited, then became a Mining Analyst for the Industrial Development Corporation of South Africa and operated as an independent consultant to several junior and mid-tier mining companies. Philip has progressed numerous projects from greenfields to feasibility and into production. Philip was responsible for progressing the projects that are the subject of the acquisitions by Arcadia from a technical point of view. Philip is member of the Geological Society of South Africa and holds an Honours Degree in Geology from the University of Stellenbosch.

# MANAGEMENT

## **Daniël Ellis**

**(CFO– Based in South Africa)**

Daniël is a practising Professional Accountant in Cape Town, South Africa and has 24 years' experience in the accounting industry. During the last nine years Daniël acted as accountant for a number of publicly listed companies, including AIM listed GoldStone Resources Ltd and ASX listed Vanadium Resources Ltd (ASX:VR8). Daniël holds B Acc and B Compt (Hons) degrees.

# IN-COUNTRY TEAM

## **Lisias Pius**

**(Country Manager – Based in Namibia)**

Lisias is an entrepreneur and businessman. He is a founding shareholder of ORP, Karibib and BME and is a Namibian resident. Lisias has business interests in farming and minerals exploration while. Lisias holds a B.Comp.Sc (Hons) Digital Forensics and B.Comp.Sc Degree in Systems Administration & Networks.

## **Laubser Pepler**

**(Geologist – Based in Namibia)**

Laubser holds a B.Sc. (Hons) degree in Applied Geology from the University of Stellenbosch and is nearing the completion of his Masters in Exploration Geology degree at Rhodes University. He has vast experience in the management of multi-commodity field exploration programs and mineral resource data collection throughout various projects in Africa. Laubser is a member of the Geological Society of South Africa and is in the process of registering as a Pri.Sci.Nat. (SACNASP) geologist.

# Non-Executive Board

## INDEPENDENT

**Michael Davy**

(Based in Australia)

Michael is an Australian Accountant with over 15 years' experience across a range of industries. Michael is currently a director and owner of numerous successful private businesses. During the past five years Michael has held directorships in several ASX listed companies and is currently the Non-Executive Chairman of Raiden Resources Limited (ASX: RDN) and a Non-Executive Director of Vanadium Resources Limited (ASX:VR8).

**Andrew Law**

(Based in Australia)

Andrew is a Mining Engineer with over 35 years' experience. He has extensive technical and management experience ranging from deep level underground mining environments to large open pit environments. Andrew fulfilled executive roles at Anglo American, Plutonic Resources, Downer Group, Placer Dome, Mundo Minerals and Optiro Limited. Until recently, Andrew was the Executive Director – Projects at Relentless Resources Limited.

## NON-INDEPENDENT

**Johan le Roux**

(Based in South Africa)

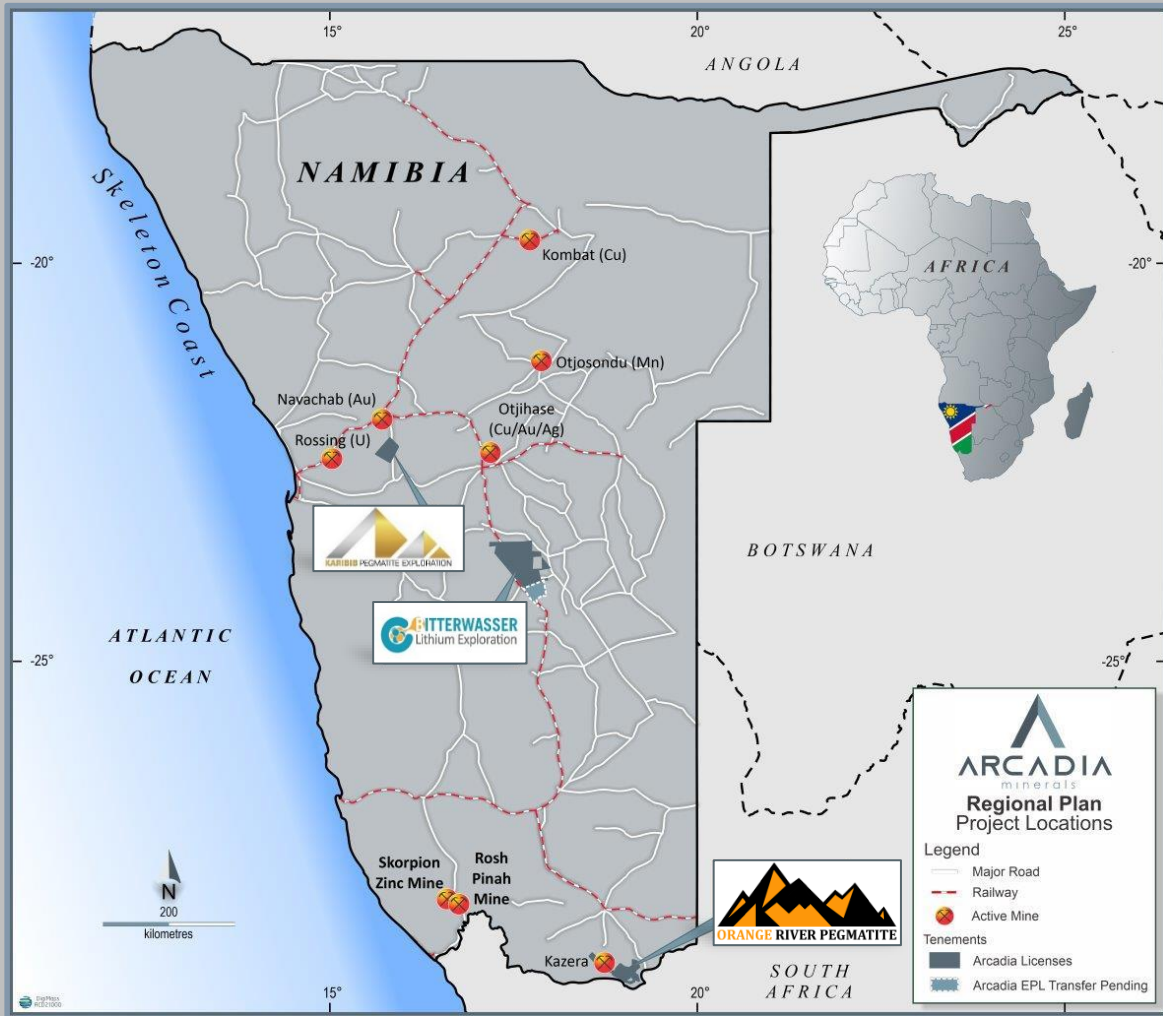
Johan is a business development executive with an accounting background. For the past 12 years, he has been the Business Development Manager of SPH Kundalila (Pty) Ltd, a leading mining services provider that is a wholly owned subsidiary of JSE-listed Raubex Group Limited. Johan holds a Bachelor of Commerce degree from Stellenbosch University and a Master of Business Administration from the University of Stellenbosch Business School.

## Company Secretary

**Kyla Garic**

(Based in Australia)

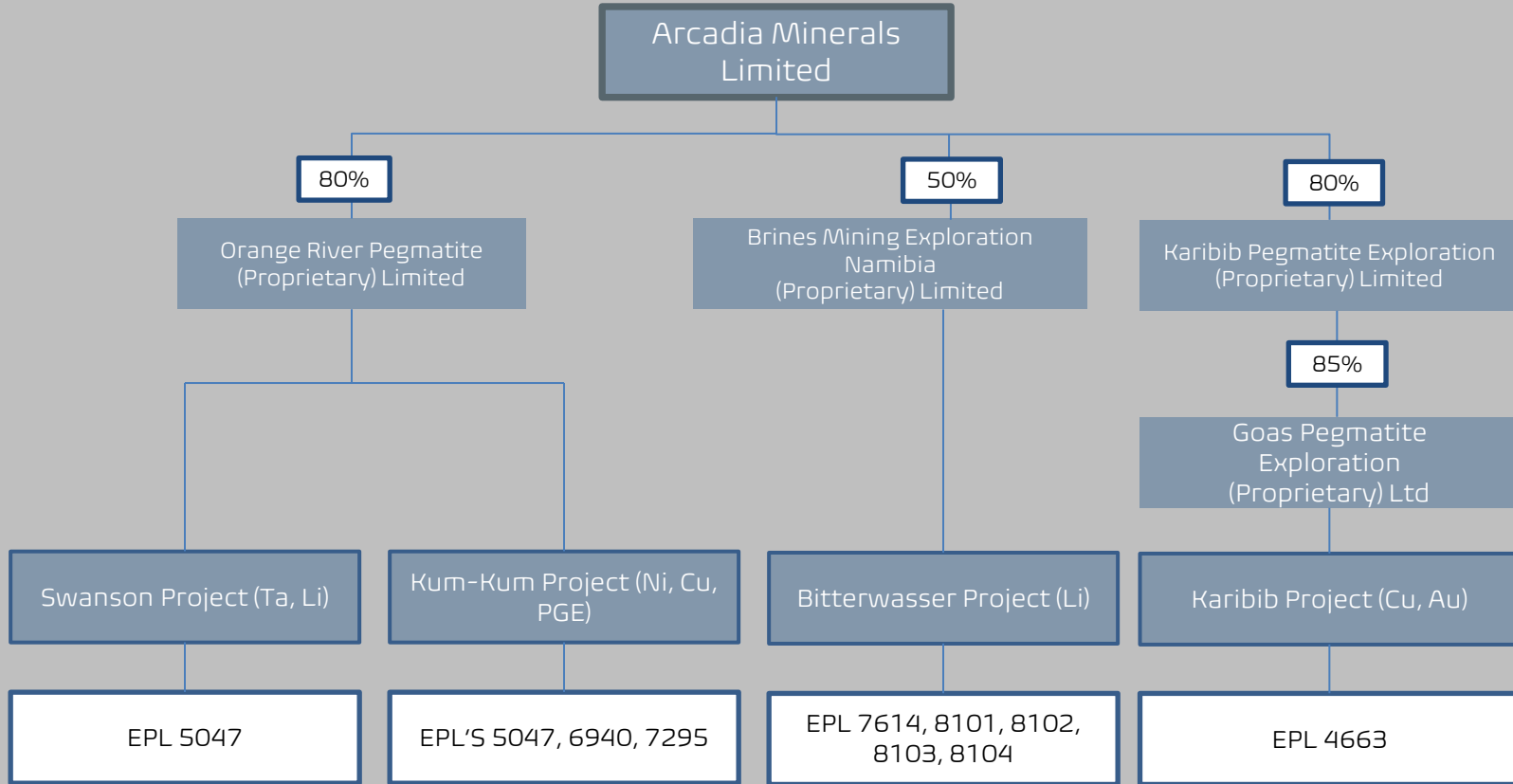
Kyla is a Chartered Accountant and a Director of Onyx Corporate Pty Ltd (Onyx). Kyla is the founder of Onyx, which company provides corporate services to listed companies or those that are in the process of listing. The industries with which Kyla has experience include Mining and Resources. Kyla's qualifications include a Bachelor of Commerce, Master of Accounting, Grad Dip Institute of Chartered Accountants Australia and New Zealand and Grad Dip in Applied Corporate Governance.



# Project Locations

- | English speaking
- | Representative Democracy
- | Certain Fiscal Regime
- | Established Mining Industry
- | Good regional infrastructure

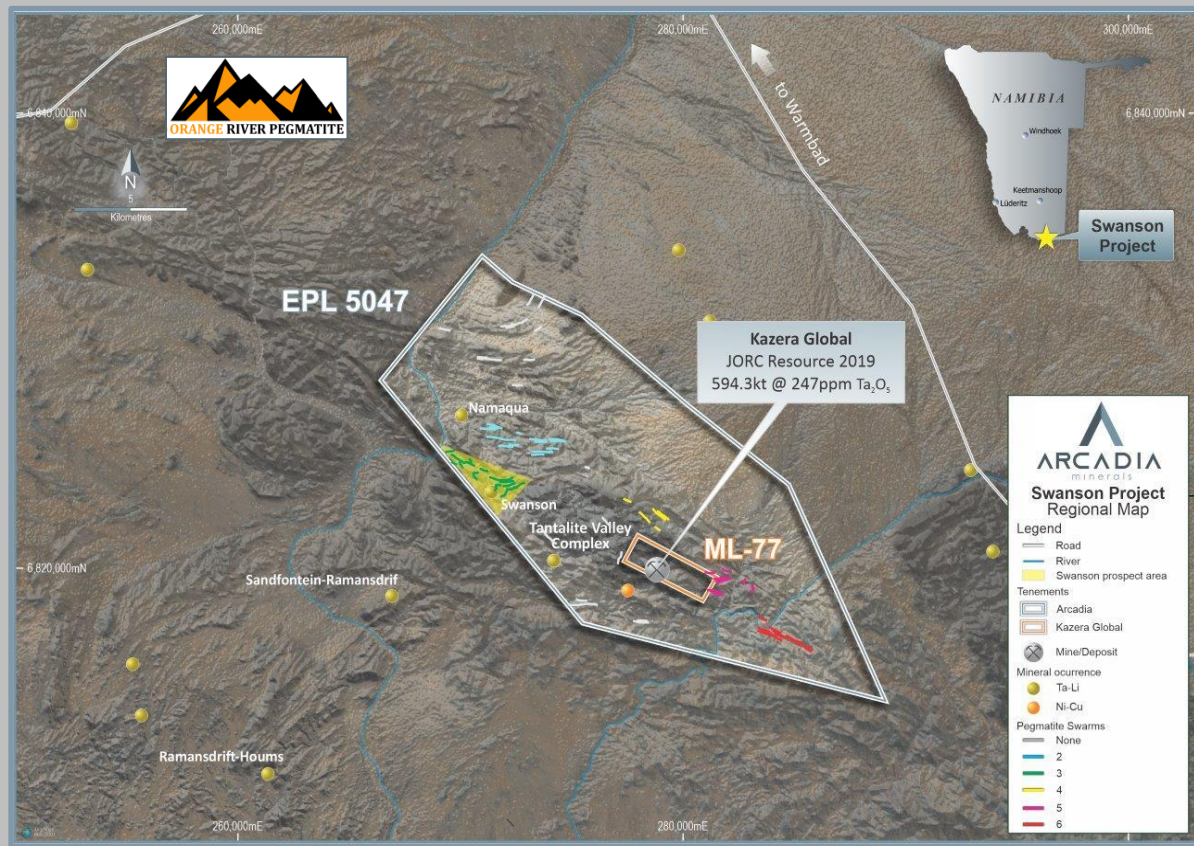
# Corporate Structure





# Swanson Tantalum Project

- | Historical Exploration 1980's
- | Regional potential: 6 pegmatite swarms consisting of more than 80 pegmatites
- | Current Focus: "Swanson's Block"
  - | 15 flat dipping pegmatites
  - | Extensive pegmatite outcrop sampling and drilling
  - | Drilled mineralised pegmatites with opencast exploitation potential (Snowden JORC compliant resource)
  - | Drilling ongoing to explore additional opencast and up-dip underground potential
  - | Bench scale metallurgical test work indicate minimum recovery of 68%
  - | Commercial scale metallurgical test work underway





# Swanson Results

## Channel Sampling

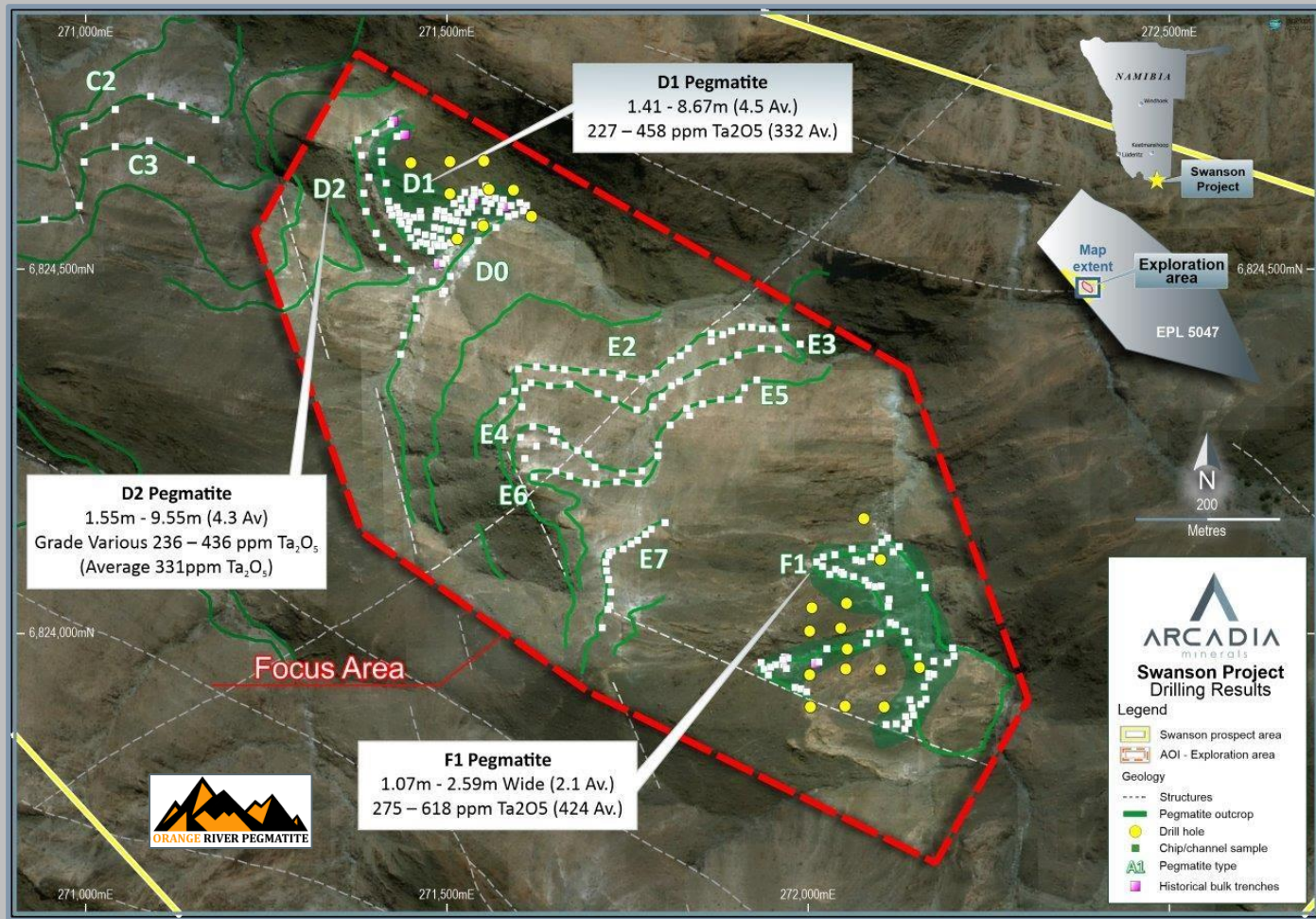
- 5 pegmatites > 500 ppm Ta<sub>2</sub>O<sub>5</sub>
- F1 – 548ppm (Av.), E2 – 662ppm (Av.), E4 – 730ppm (Av.), E5 – 670ppm (Av.), E7 – 730ppm (Av.).

## Maiden Drilling Campaign

- 23 DD holes (22 DD holes intersected pegmatites)

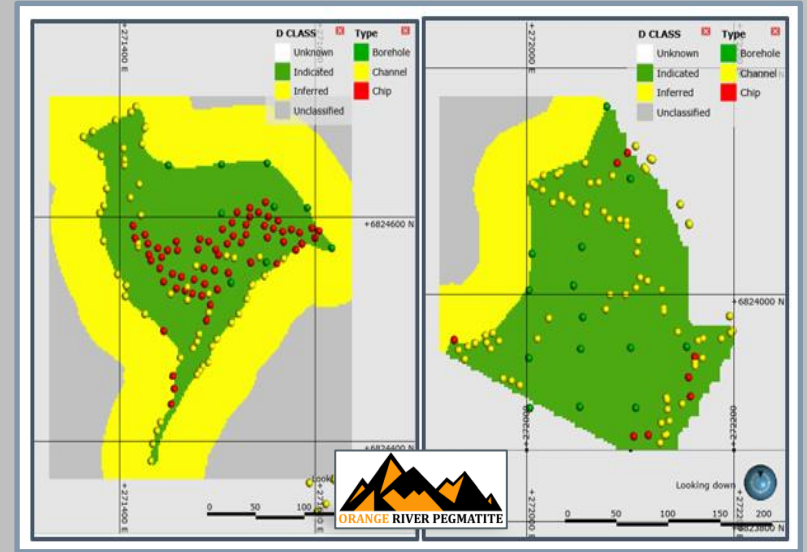
## Mineable widths and grades intercepted

- F1 Pegmatite 1.07m - 2.59m Wide (2.1 Av.) 275 – 618 ppm Ta<sub>2</sub>O<sub>5</sub> (424 Av.)
- D1 Pegmatite 1.41 - 8.67m (4.5 Av.) 227 – 458 ppm Ta<sub>2</sub>O<sub>5</sub> (332 Av.)
- D2 Pegmatite 1.55m - 9.55m (4.3 Av.) 236 – 436 ppm Ta<sub>2</sub>O<sub>5</sub> (331 Av.)
- 10 pegmatites > 300ppm Ta<sub>2</sub>O<sub>5</sub>



# Swanson Maiden Resource

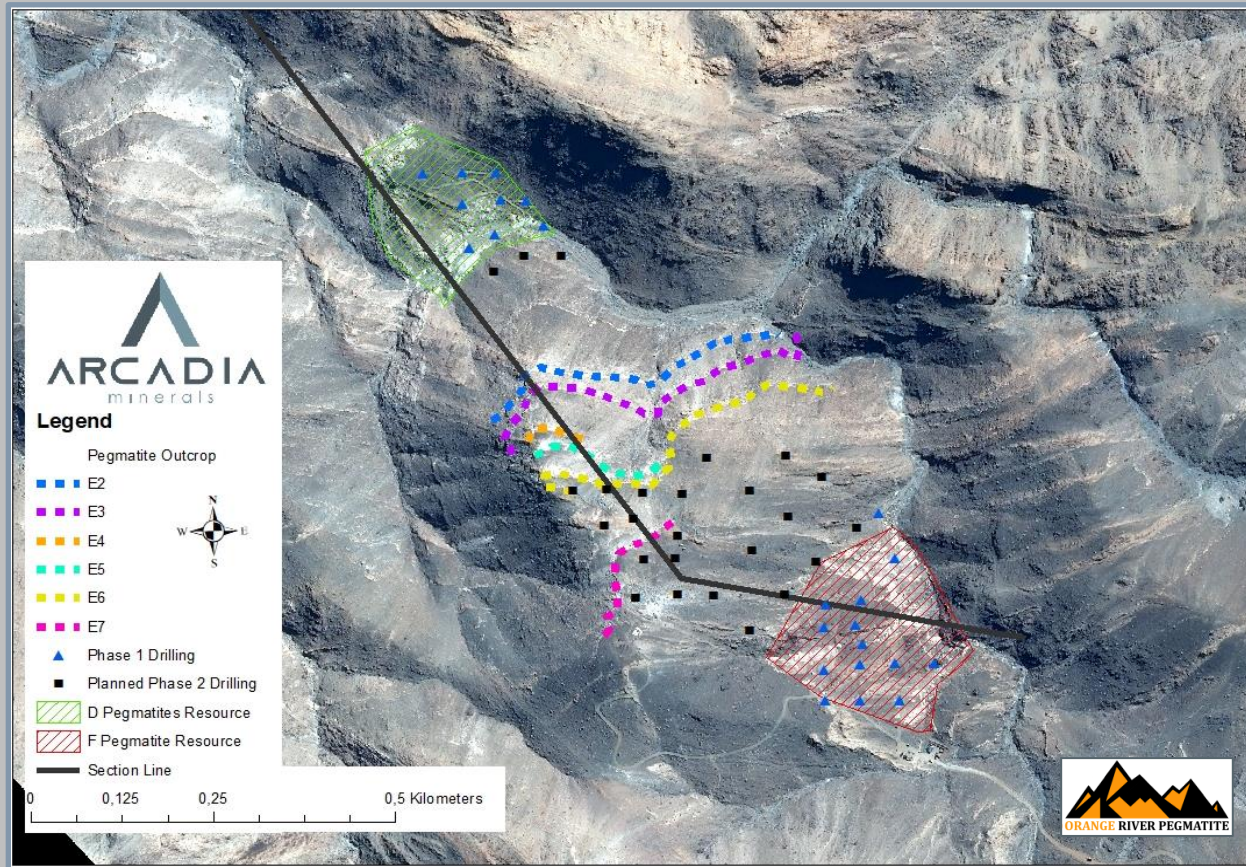
- | Maiden JORC Resource of **1,2Mt** (Indicated and Inferred) at an average grade of **412ppm (442g/t)** Ta<sub>2</sub>O<sub>5</sub>, 76ppm Nb<sub>2</sub>O<sub>5</sub> and 0.29% Li<sub>2</sub>O declared over 4 outcropping LCT pegmatites at Swanson Project
- | Swanson Project resource grades expected to be significantly above global tantalum peer group deposits
- | Maiden Resource amenable to open-pit mining over 4 of 15 known LCT pegmatites.



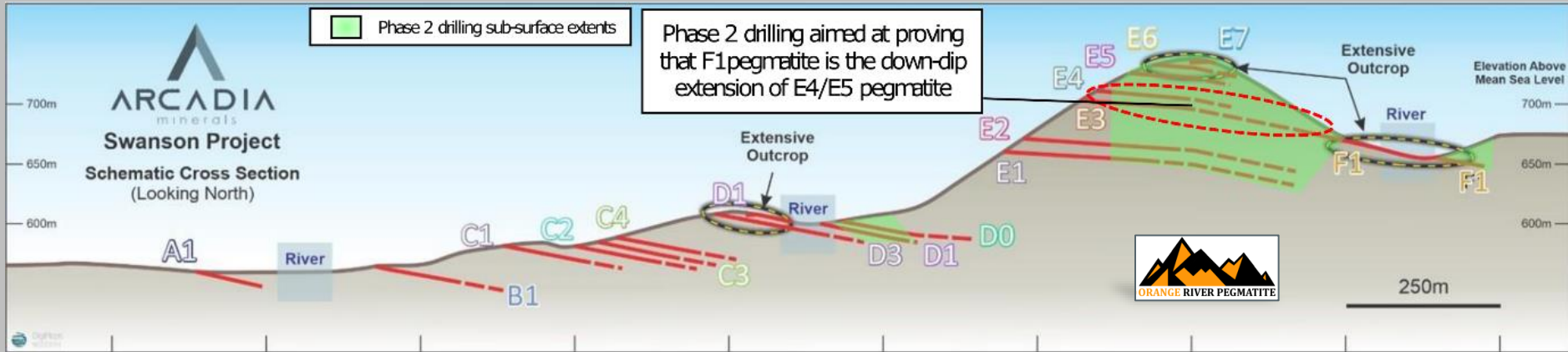
- | 1,100m drilling program ongoing over 11 pegmatites
- | Resource update expected in Q1/2022
- | Feasibility expected during H1/2022



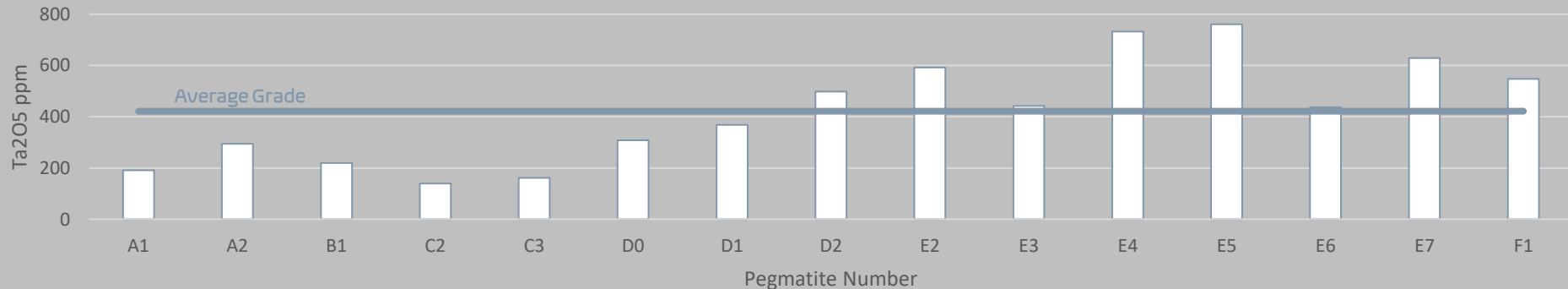
# Swanson Resource Drilling



# Swanson Long Section



Tantalite Grade Distribution Based on 283 Outcrop Channel and Chip Samples





# MINERALOGICAL RESULTS

- | Bench-scale metallurgical test-work completed from 5.45 tonne sample using industry standard gravity separation equipment
- | 76% spiral and 90% multi gravity separator recoveries were achieved
- | Main tantalum bearing minerals are Tantalite and Microlite
- | Between 70% - 80% of tantalum minerals are liberated at 300µm
- | Initial recovery results indicate the prospect of producing a Ta<sub>2</sub>O<sub>5</sub> concentrate of >20% Ta<sub>2</sub>O<sub>5</sub> at an overall recovery of c. 68%
- | 60 tonne bulk sample taken, crushed, and transported for commercial size plant test-work to simulate flowsheet, optimise stage recoveries and to provide results for final plant design
- | Production of a 25% Ta<sub>2</sub>O<sub>5</sub> concentrate is likely



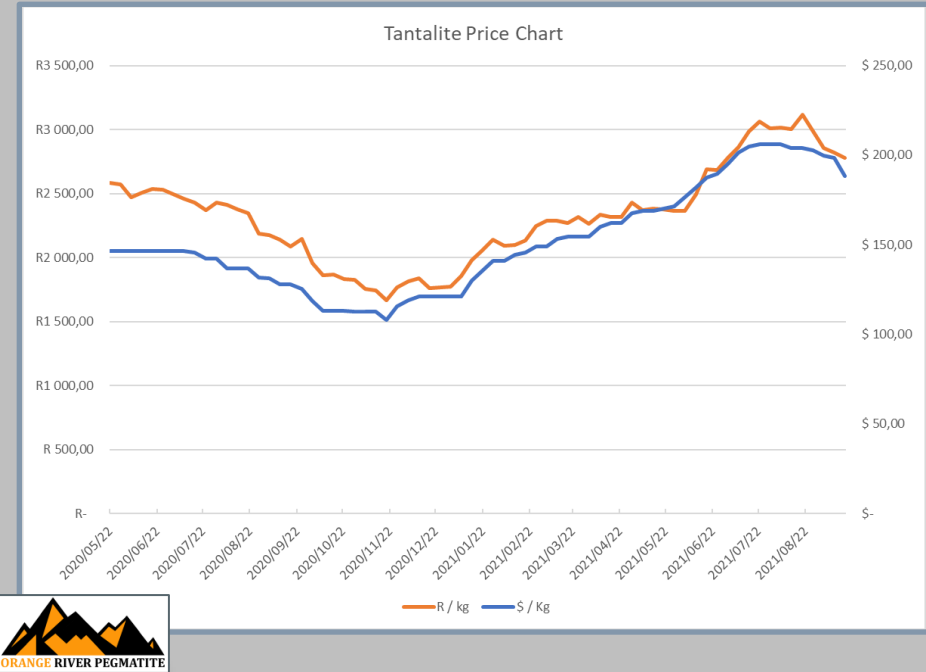
# Tantalum Market

## | Main Uses

- | Semi-conductor & Capacitor (electronics and chips)

- | Medical industry

- | +60% of global production considered from conflict origins\*



\* Source: Schütte, Philip & Naeher, Uwe. (2020). Tantalum supply from artisanal and small-scale mining: A mineral economic evaluation of coltan production and trade dynamics in Africa's Great Lakes region. Resources Policy. 10.1016/j.resourpol.2020.101896.

Tantalum price: Fastmarkets 24 September 2021

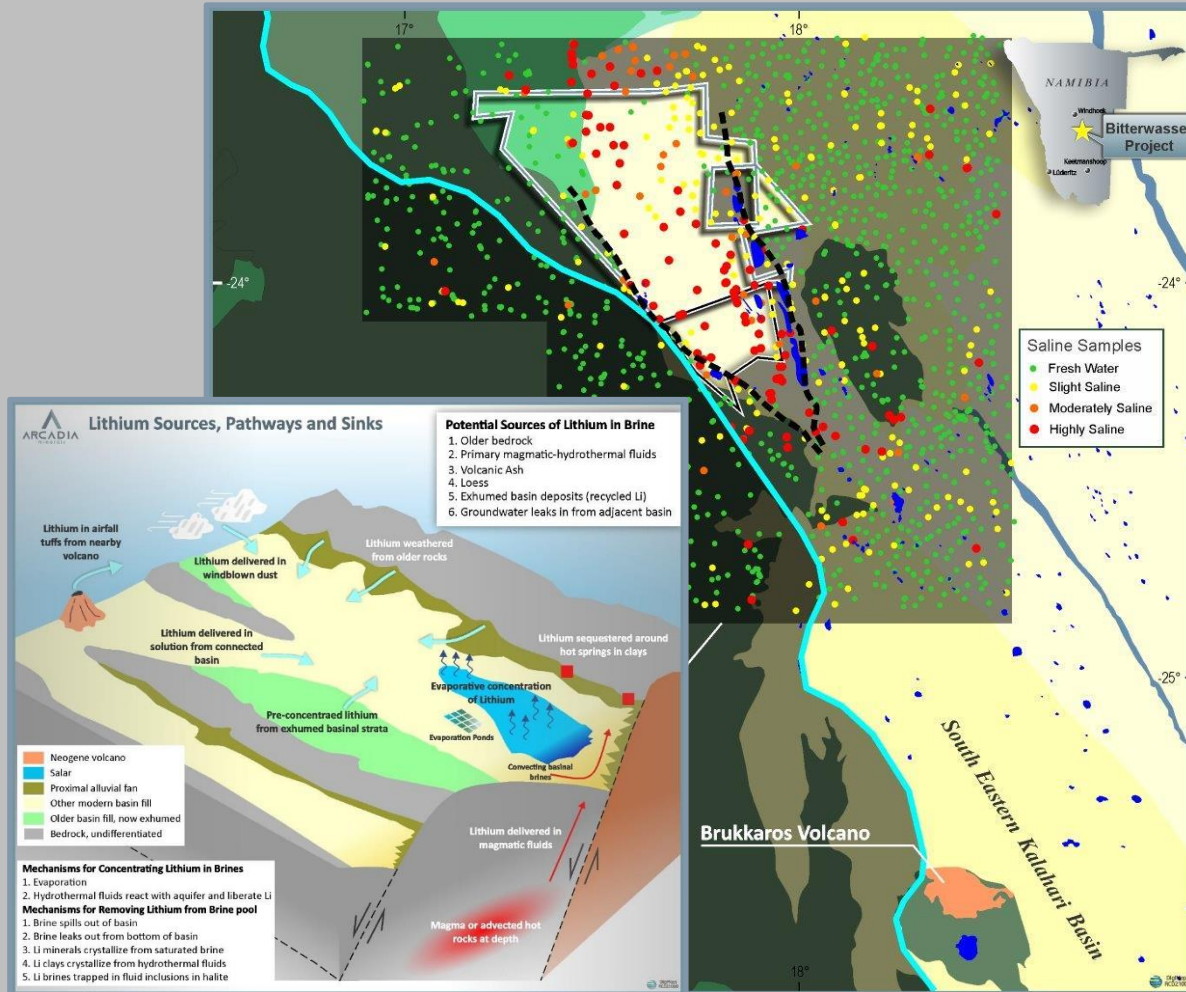
# Bitterwasser Lithium Brine and Clay Potential

## Lithium Brine Deposits

- | Old, deep, closed Basin and Aquifers
- | Lithium clay deposits
- | Lithium Source and geothermal activity
- | Arid Climate in the "Lithium-Latitudes"
- | Saline water with high Boron and potash content

Bitterwasser fulfils all high-level criteria for a new Lithium Brine Province except:

- | Lithium content remains to be tested



# Bitterwasser Brines Exploration

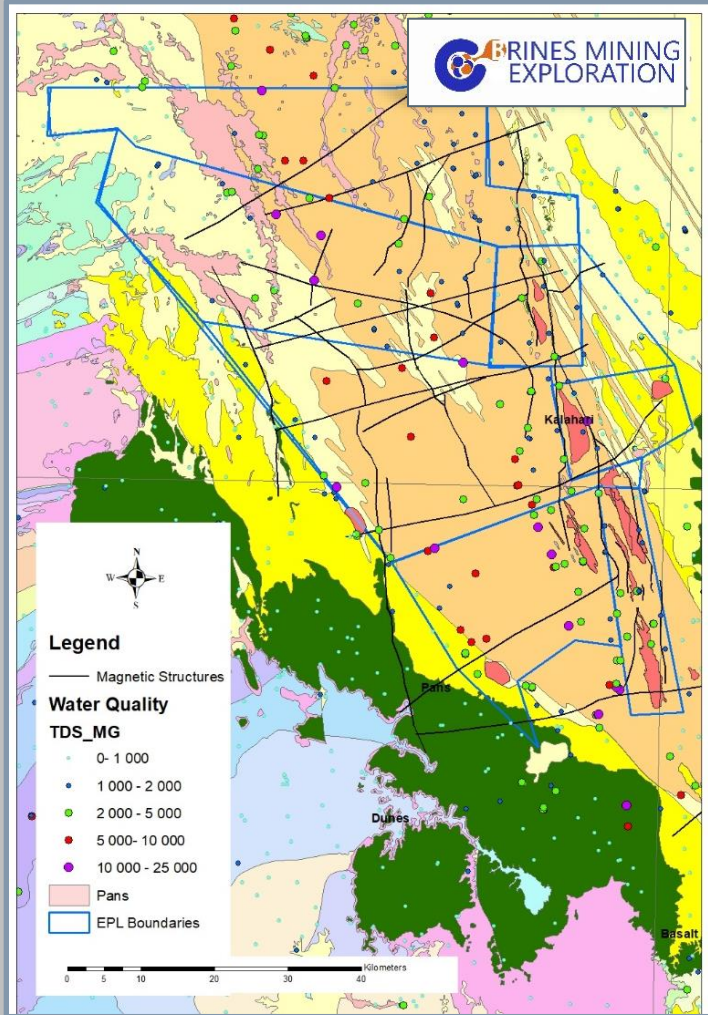
## Data acquired

- Regional geological data
- Regional geophysics
- NamWater: Borehole quality information
- Various regional geological and hydrological studies
- EM survey and sampling of pans

## Proximity to Bitterwasser Pan Complex

- Clays contain an inferred resource with average grades of 847ppm Li (which grades are considered economic)
- Grade and tonnes similar to deposits being developed in Nevada, USA

- Team of brine experts appointed to scrutinise data and make proposals to advance the project through optimal exploration methods



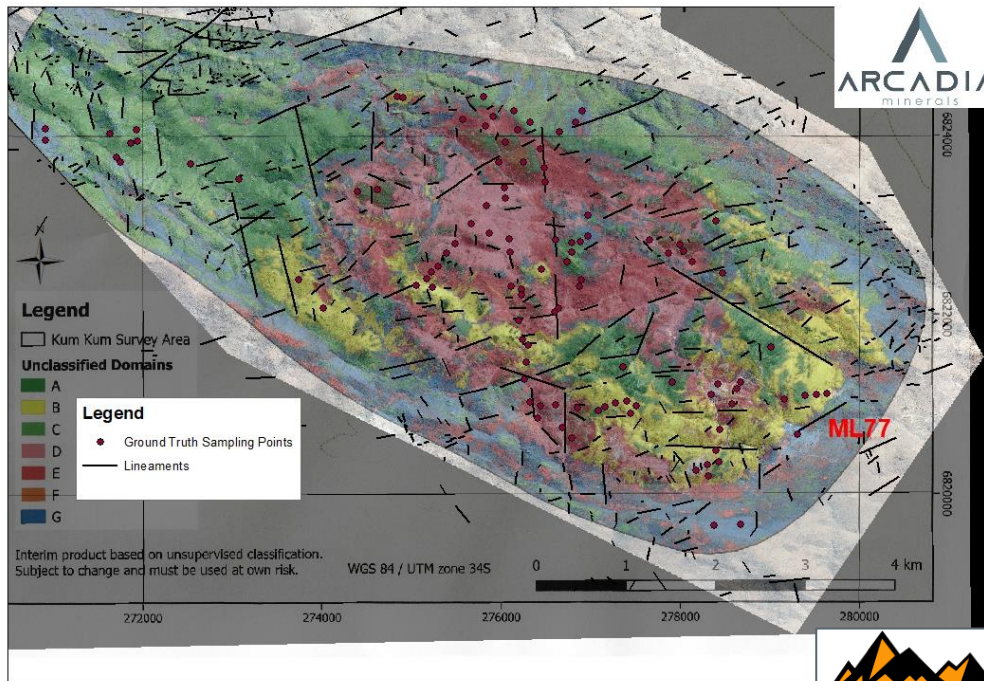


- | 3 underexplored mafic complexes with discovery-potential for magmatic-hosted Ni-Cu-PGE massive sulphides
- | Historical drilling results (up to 200m depth):
  - | Ni: 0.21% – 0.58% over mineralised widths of up to 30m
  - | Cu: 0.30% – 0.50% over mineralised widths of up to 30m
- | Surface sampling
  - | 4.62 % Ni and 6.3 % Cu
  - | PGE: 0.51 g/t - 1.03 g/t



## Planned Exploration

- Geophysical anomalies that indicate massive sulphide bodies
- If successful, drilling to commence 2022





# Karibib Cu-Au Project Regional Setting

## Damara belt

- | Tsumeb 77 Mt @ 4% Cu, 3.5% Zn
- | Kombat 15.6 Mt @ 2.6% Cu, 1.5% Pb, 3g/t Ag
- | Otjikoto 29 Mt @ 1.5 g/t Au

## Karibib Gold Belt

- | Navachab 27 Mt @ 2.6 g/t Au
- | Osino Twin Hills 2 Moz Au

### Arcadia Minerals Limited (ASX:AM7):

**No's 1 – 3: Cu-Ag-Au-W Exploration Target / prospect, outcropping mineralisation rock-chip sampled (*this announcement*)**

### Osino Resources Corp. (TSXV: OSI):

**No. 4: Au Exploration Target / prospect, drilling ongoing**

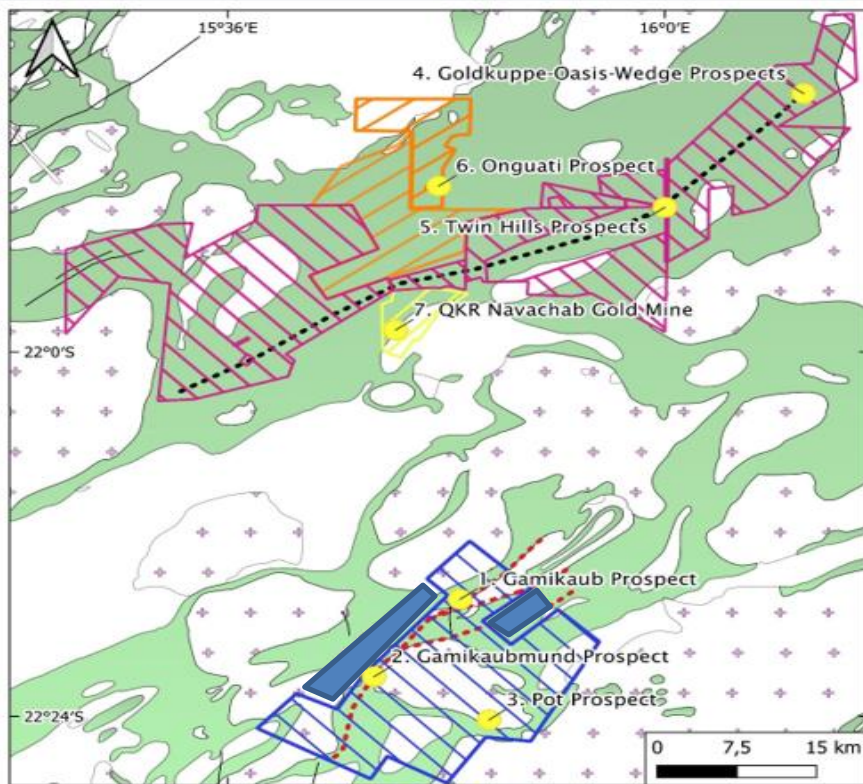
**No. 5: Preliminary economic assessment (PEA) completed, recently published Maiden Resource of 2Moz Au, drilling ongoing**

### Antler Gold (TSXV: ANTL):

**No. 6. Au - Cu Exploration Target / prospect, drilling ongoing**

### QKR Namibia Navachab Gold Mine (Pty) Ltd:

**No. 7. Producing mine, 5.3 Moz Au**



- Legend**
- ◆ Under application
  - Major prospects & occurrences
  - Arcadia Minerals Limited (ASX:AM7) EPL 4663
  - Osino Resources Corp. (TSXV: OSI) EPL's
  - Antler Gold (TSXV: ANTL) EPL's
  - QKR Namibia Navachab Gold Mine (Pty) Ltd's Mining Licence

### Karibib Gold Belt geology

- Intrusive granites and granodiorites
- Metasedimentary successions
- Arcadia's recently identified prospective structural zone
- Osino's recently discovered Karibib Fault Zone



# Karibib Exploration Results

Mineralisation extends over 20 km x 2 km structure

Skarn-type mineralisation (44 samples) av. results:

- 4.32 % Cu (highest 28.40% Cu)
- 1.49 g/t Au (highest 7.65 g/t Au)
- 50.50 g/t Ag (highest 453 g/t Ag)
- 0.23 % (highest 1.00% WO3)

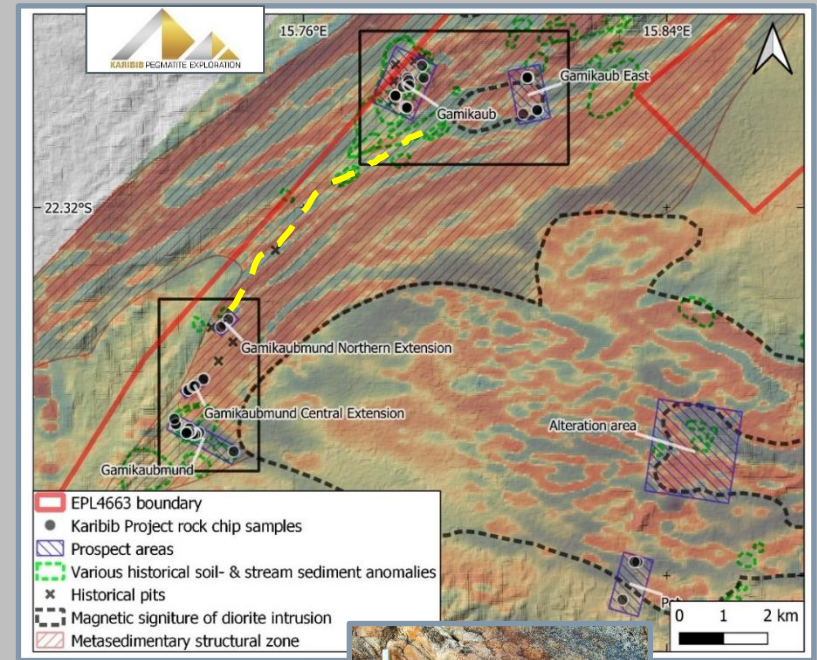
Vein-type mineralisation (13 samples) av. results:

- 1.94% Cu (highest 5.69% Cu)
- 2.06 g/t Au (highest 26.30 g/t Au)
- 12.68 g/t Ag (highest 30.10 g/t Ag)

Vein- and skarn-type mineralisation known to contain economic mineralisation in the area.

Planned Exploration:

- Geophysical survey (to estimate thickness of diorite sill)
- Detailed mapping and soil sampling
- Generation of Drill Targets
- Drilling





# CORPORATE INFORMATION

- | Shares in issue: 85,500,100
- | Fully diluted: 99,050,100
  - | Options: 4,500,000
    - | 1:1, 3 years, \$0.20 per share
    - | Vesting: two equal tranches at 30-Day VWAP  $\geq$  \$0.40 and  $\geq$  \$0.50
  - | Options: 500,000
    - | 1:1, 3 years, \$0.20 per share
  - | Performance Shares: 8,550,000
    - | Feasibility Study at Swanson within 36 months
- | Shareholders:
  - | Directors: 10.5% (fully diluted)
  - | Top 20: 70.1%

## Share Price Information

Market Cap: \$6.67 m

### Quote Table

Symbol	Last	Movement	Open	High	Low	Prev. Close	Volume	52 wk High/Low
AM7	0.195	0.020 11.43%	0.175	0.195	0.175	0.175	89,020	0.280/0.165

As at 29/09/2021 5:37 pm

### Share Price Chart



Thank You