MERYLLION
RESOURCES CORPORATION

Exploring REE Critical Metals in Tasmania for EV + Tech

Mar 2024 CORPORATE PRESENTATION

WWW.MERYLLIONRESOURCES.COM

CSE: MYR

FORWARD-LOOKING STATEMENTS AND TECHNICAL INFORMATION

The information in this presentation has been prepared as at MAR 1, 2024. This presentation may contain “forward looking statements” and "forward-looking information" within the meaning of applicable securities laws, including statements regarding the plans, intentions, beliefs and current expectations of Meryllion Resources. (the “Company”) with respect to future business activities and operating performance. Forward-looking information is often identified by the words "may", "would", "could", "should", "will", "intend", "plan", "anticipate", "believe", "estimate", "expect" or similar expressions and include information regarding: (i) the amount of future production over any period; (ii) assumptions relating to revenues, operating cash flow and other revenue metrics set out in the Company's disclosure materials; and (iii) future exploration plans. Investors are cautioned that forward-looking information is not based on historical facts but instead reflect the Company’s management's expectations, estimates or projections concerning future results or events based on the opinions, assumptions and estimates of management considered reasonable at the date the statements are made. Although the Company believes that the expectations reflected in such forward-looking information are reasonable, such information involves risks and uncertainties, and undue reliance should not be placed on such information, as unknown or unpredictable factors could have material adverse effects on future results, performance or achievements of the combined company. Among the key factors that could cause actual results to differ materially from those projected in the forward-looking information are the following: the future exploration activities planned at the Australian operations and anticipated effects thereof; changes in general economic, business and political conditions, including changes in the financial markets; changes in applicable laws; and compliance with extensive government regulation. Exploration results that include geophysics, sampling, and drill results on wide spacings may not be indicative of the occurrence of a mineral deposit. Such results do not provide assurance that further work will establish sufficient grade, continuity, metallurgical characteristics and economic potential to be classed as a category of mineral resource. A mineral resource that is classified as "inferred" or "indicated" has a great amount of uncertainty as to its existence and economic and legal feasibility. It cannot be assumed that any or part of an "indicated mineral resource" or "inferred mineral resource" will ever be upgraded to a higher category of resource. Investors are cautioned not to assume that all or any part of mineral deposits in these categories will ever be converted into proven and probable reserves. This forward-looking information may be affected by risks and uncertainties in the business of the Company and market conditions.

Details of the Company’s procedures and policies for data verification, the reader is referred to the Company’s website at www.meryllionresources.com.

Qualified Person:

Ian E. Neilson, MSc, is a consultant to Meryllion Resources Corporation and is its Technical Advisor. Mr. Neilson is a “qualified person” for the purposes of National Instrument 43-101 Standards of Disclosure for Mineral Projects, and he has reviewed and approved the scientific and technical disclosure contained in this presentation.

Mr. Neilson is a Registered Professional Geologist #10222 and member of the Australian Institute of Geoscientists and Society of Economic Geologists. Mr. Neilson declares in accordance with the transparency principles of the JORC Code that he has a personal financial interest in the transaction referred to in this presentation in that he controls Mylonite Pty Ltd, an entity which owns 50% of the issued shares of Westbury Resources Pty Ltd (“Westbury”) and 50% of the issued shares in Tasmanian Strategic Green Metals Pty Ltd (“TSGM”). Mr. Neilson has sufficient experience that is relevant to the style of mineralization and type of deposit under consideration and to the activity undertaken to qualify as a Competent Person as defined in the 2012 Edition of the Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr. Neilson has consented to the inclusion in this presentation of the matters based on his information in the form and context in which it appears.

MERYLLION'S MISSION

Meryllion is a Canadian company with the mission to explore and develop critical mineral assets through progressive leadership, high standards, innovation, and collaborative partnerships for the benefit of present and future generations.

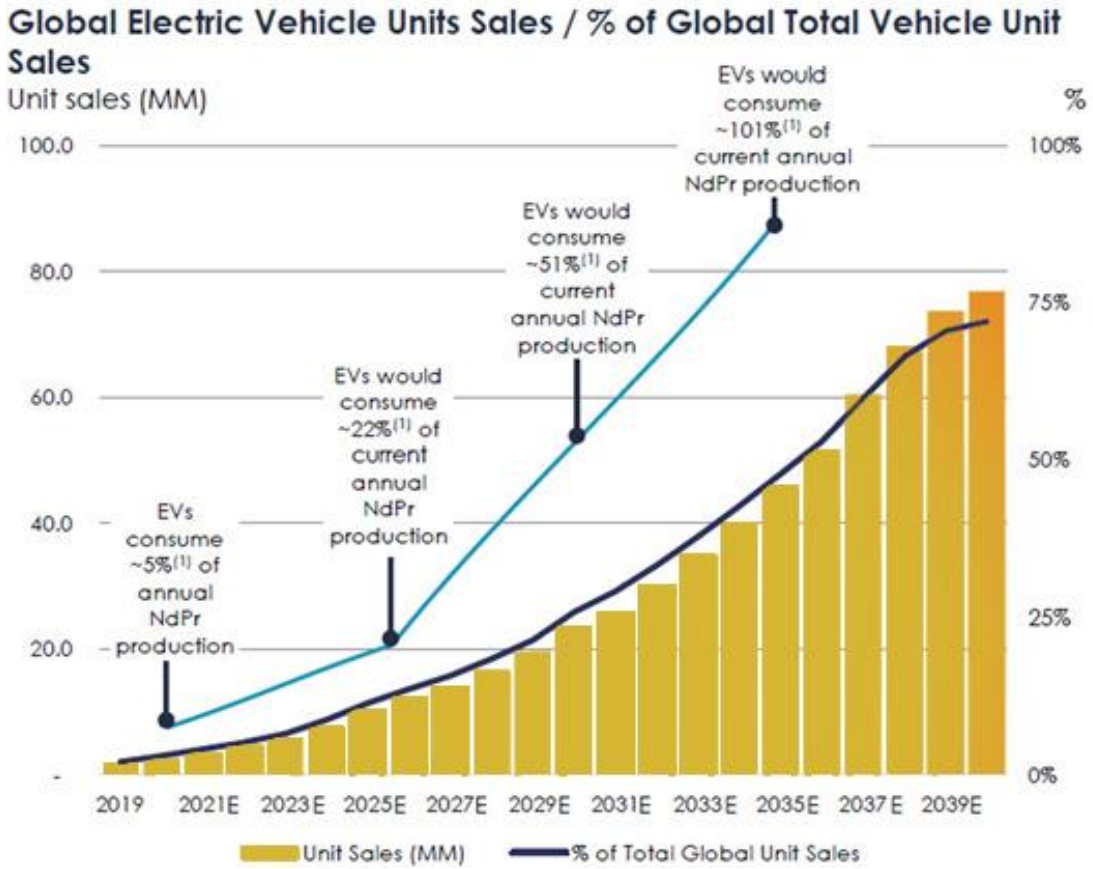
Our Vision

Meryllion will sustainably explore and develop critical minerals assets to support the transition to a low-carbon economy. We will focus on leading with integrity, striving for consistency in words and actions, being honest, transparent, and accountable, mitigating health and safety risks, and being progressive and innovative while promoting environmental and social stewardship.

We will act in a way that reflects our core value of respect, for both the environment in which we work and the people we work with. Our approach will foster meaningful relationships with employees and local communities and will build trusted partnerships benefiting Indigenous peoples and shareholders.

ELECTRIC VEHICLES

A Driver for Rare Earth Demand



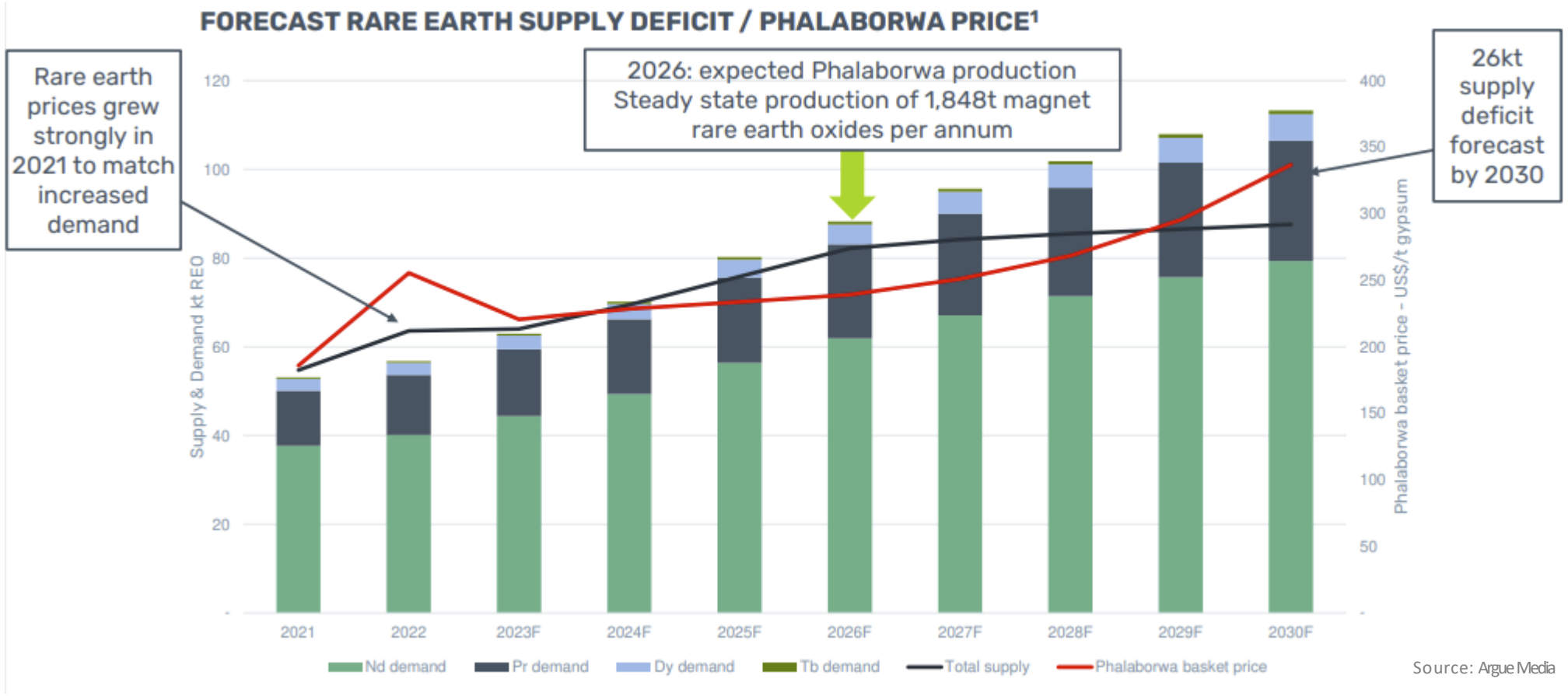
Source: MP Materials, Morgan Stanley, CRU

- An electric vehicle (EV) uses 1kg to 3kg of neodymium-iron-boron (NdFeB) magnets in standard drivetrain motors
- Nd FeB magnets are in 93% of all electric vehicles. Tesla, GM, Ford, VW, Hyundai, Toyota and others build vehicles using these magnets
- Every ten million new EVs require ~ 10,000 tonnes of additional neodymium or ~ 20% of current annual global supply. Over 70 million electric vehicles are expected to be sold when internal-combustion-engine vehicles are phased out

IMMEDIATE REE SUPPLY CRUNCH

Magnet REE Supply Will Grow 8% Per Annum Minimal to match demand

A strategic new source for rare earth is needed outside of China.

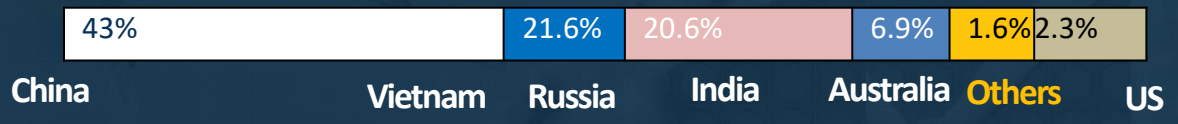


THE CRITICAL ROLE OF RARE EARTH ELEMENTS - APPLICATIONS

AGRICULTURE	AUTOMOTIVE	AEROSPACE/ DEFENSE	CHEMICALS/ CATALYSTS	HEALTHCARE	ELECTRONICS	POWER GENERATION
• Farm equipment motors • Fertilizers	• Electric Vehicle Motors • Catalytic converters	• Plane Motors • Submarines • Guidance equipment • Thermal barrier coatings	• Optical- quality glass • Air pollution control	• MRI scanners • CT scanners	• Computer screens • Smartphones • Batteries • Hard drives	• Wind turbines • Other power generators

Rare Earth Elements 2022 Global Production

Rare Earth Elements 2022 Global Reserves (Estimate)



https://www.usgs.gov/centers/national-minerals-information-center/mineral-commodity-summaries

ABX TASMANIA MINING DISCOVERIES

- **ABx Resources, an adjacent ASX-listed peer, discovered Significant new REE resource – 2022.**
  - 100% owned Deep Leads
  - Rubble Mound and Windbreak rare-earth projects, with potential to be a globally significant assets.

- ABx recently announced new high-grade drilling results at Deep Leads
  - **RM 336-8m @ 6,406 ppm TREO including 1m @17,333 ppm TREO and 1m @ 12,894 ppm TREO** (refer Appendix-ABX ASX announcement Sept 27, 2023).

- **Excellent Accessibility**

  Project accessible by road, with proximity to rail and power infrastructure, and access to a major deep-sea port

- **Deep Leads**

  One of four tenements, covering 372 square kilometres in a 50km-plus corridor Devonport area.

MERYLLION INVESTMENT HIGHLIGHTS

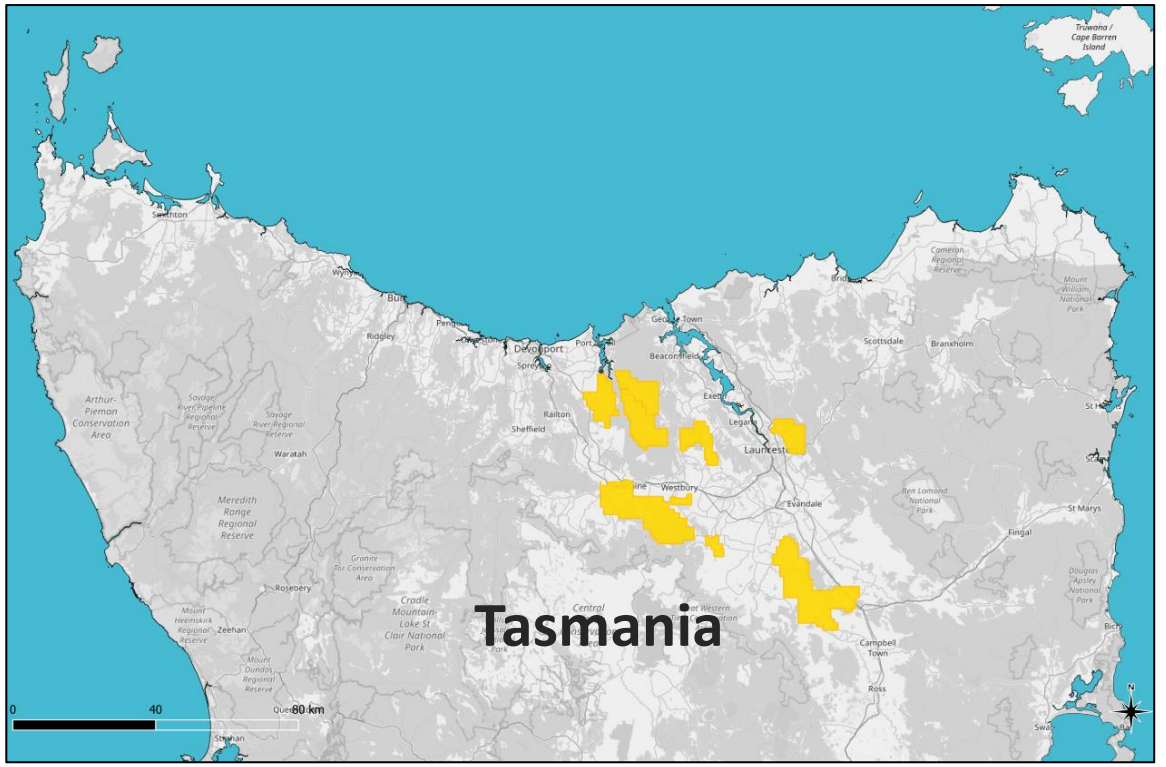
- **High-Quality tenement portfolio**
  - 100% owned by TSGM & WSR
  - Initial sampling grades up to 4,000 ppm TREO grades. (refer Appendix – Table 1 MYR Initial Sampling Results).
  - Meryllion has rights to earn a 100% interest.
- **Strong Insider ownership**
  - Insider own 85%
- **Excellent Accessibility**

  Project accessible by road, with proximity to rail and power infrastructure, and access to a major deep-sea port
- **Drilling Permit Granted**

  Can start drilling right away
- **Technically Strong – top quartile REE Grades**

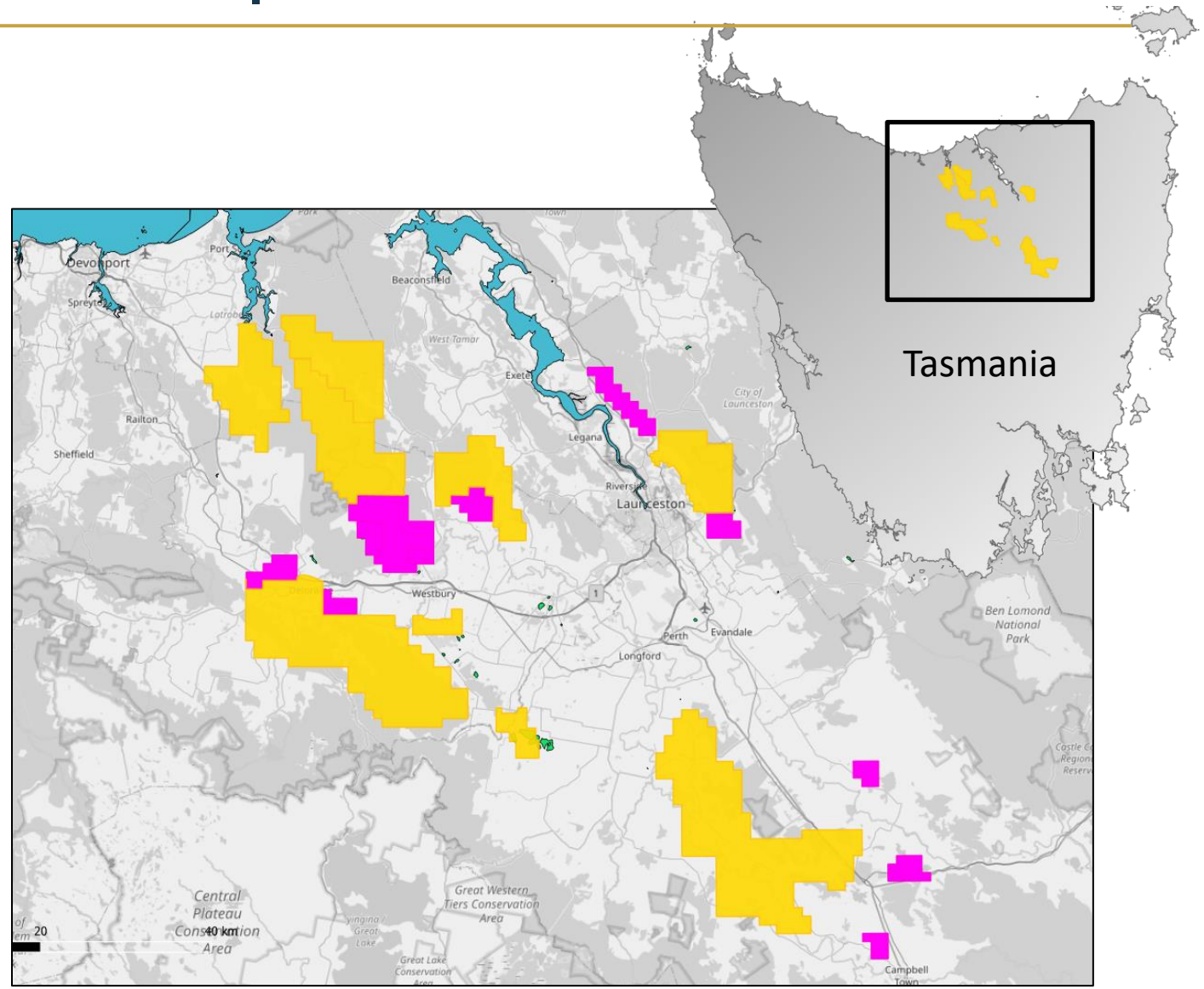
  Potential open pit project with favorable, conventional metallurgy
- **Experienced Technical Team**

  Working with industry-leading partners including BHP, Newmont, Newcrest.



SOLID EARLY REE GRADES | ON TREND TO ABx

- Field evidence **from 2,800 ppm up to 4,000 ppm TREO** including high-grade Neodymium, Turbium (Refer to Appendix Table 1)
- Grade (some samples above 1,000 ppm Nd/Pr/Dy/Tb oxides) (Refer to Appendix Table 1)
- Early metallurgical studies by ABx suggest sample recovery up to 70% using Ammonium Sulfate at pH 4
- Most clay hosted REE projects requires high-cost extraction with <PH 1
- Targets at shallow depth, typically surface down to 12 meters
- Very low levels of radioactive elements (thorium and uranium) (none detected)
- The consolidated projects are well positioned to potentially make the next major iREE Discovery



LARGE CLAIM BLOCK HOLDING NEAR ABx'S DISCOVERY

Targeting NEW Ionic Clay Rare Earth Resources in Northern Tasmania

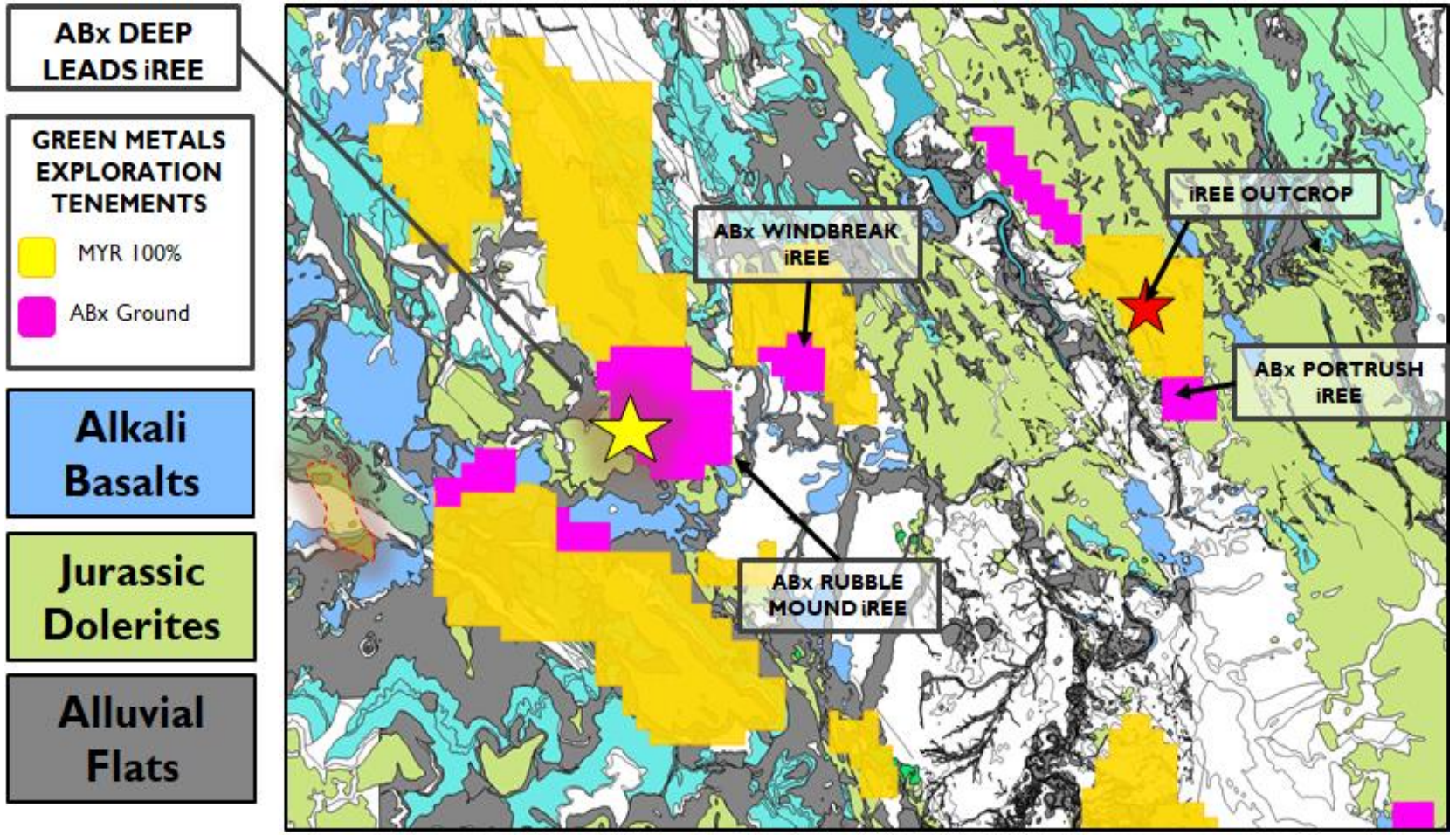
Prospective Geology
Comprising
Alkali Basalts

Jurassic Dolerite

Alluvial Flats

1. Shallow clay layer – Al-rich-laterite & clays with dolerite grains
2. River gravel layers in a few places
3. Weathered dolerite
4. Fresh dolerite – columnar jointed sills hundreds of meters thick

The projected areas are hosted to the interpreted source rocks (Alkali Basalts) and hosts environments Jurassic Dolerite and Alluvial Flats.



EXPERIENCED MANAGEMENT + BOARD

Richard Revelins
CEO + Director
Richard has over 35 years' experience in international investment banking specializing in corporate finance and corporate advice,predominantly in the mining and natural resources industry. He was formerly the chairman of Atlas Iron Limited and Gold Road Resources Limited.

David Steinpreis
Non-Exec Chairman
David has had a long and distinguished career as a partner of an international accounting firm where he specialized in strategic corporate advice and taxation.

Chuck John Forrest ,
CPA, CA CFO
Chuck is a CPA CA who qualified with PWC in Canada. With 25 years' experience in the minerals sector,

Guy Charette
Non-Exec Director
Guy is a transaction-oriented corporate finance lawyer in Rimon Law's Montreal office. He has over thirty years of experience advising on securities, corporate finance, and mergers and acquisitions.

Ian E Neilson (BSc MSc R.P. Geo MSEG MAIG MGSA): Chief Geologist
Ian E Neilson is a Registered Professional Economic Structural Geologist with a proven track record in project generation resulting in discovery with significant global exploration and mining experience in orogenic gold, porphyry copper, economic mineralization systems and base-metal deposits, >20-years as a consultant for Jigsaw Geoscience & Model Earth working on numerous projects for clients that include Newmont, First Quantum Minerals, BHP, Newcrest Mining, Placer Dome, KCGM and many others.

Michael Kozub
Corp Secretary
Michael is a lawyer with a practice focused on securities, corporate finance, mergers and acquisitions, and corporate and commercial law. He also provides advice and assistance to reporting issuers on their ongoing corporate governance.

ATLAS | HANCOCK PROSPECTING | GOLD ROAD RESOURCES | NYSE AN ICE EXCHANGE | pwc | RIMÔN | NEWCREST MINING LIMITED

JUNIOR MINER WITH TEAM THAT'S CREATED $5 BILLION IN VALUE.

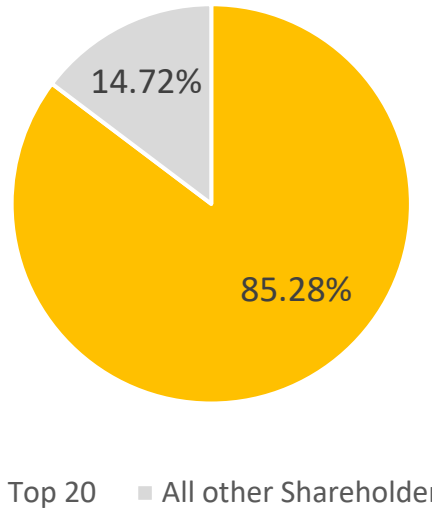
FINANCIAL SNAPSHOT

CAPITAL STRUCTURE as of Mar 1, 2024

Shares Outstanding.	42 M
Warrants	8 M
Options	2 M
Fully Diluted	**52 Million**

Capital Structure (CND in millions)	
Shares	42.1 m
Share Price (Mar 1, 2024)	$0.04
Market Cap (at $0.04)	$1.68 M
Cash	$0.20 M
Enterprise Value (EV)	$1.48 M

Shareholder Chart



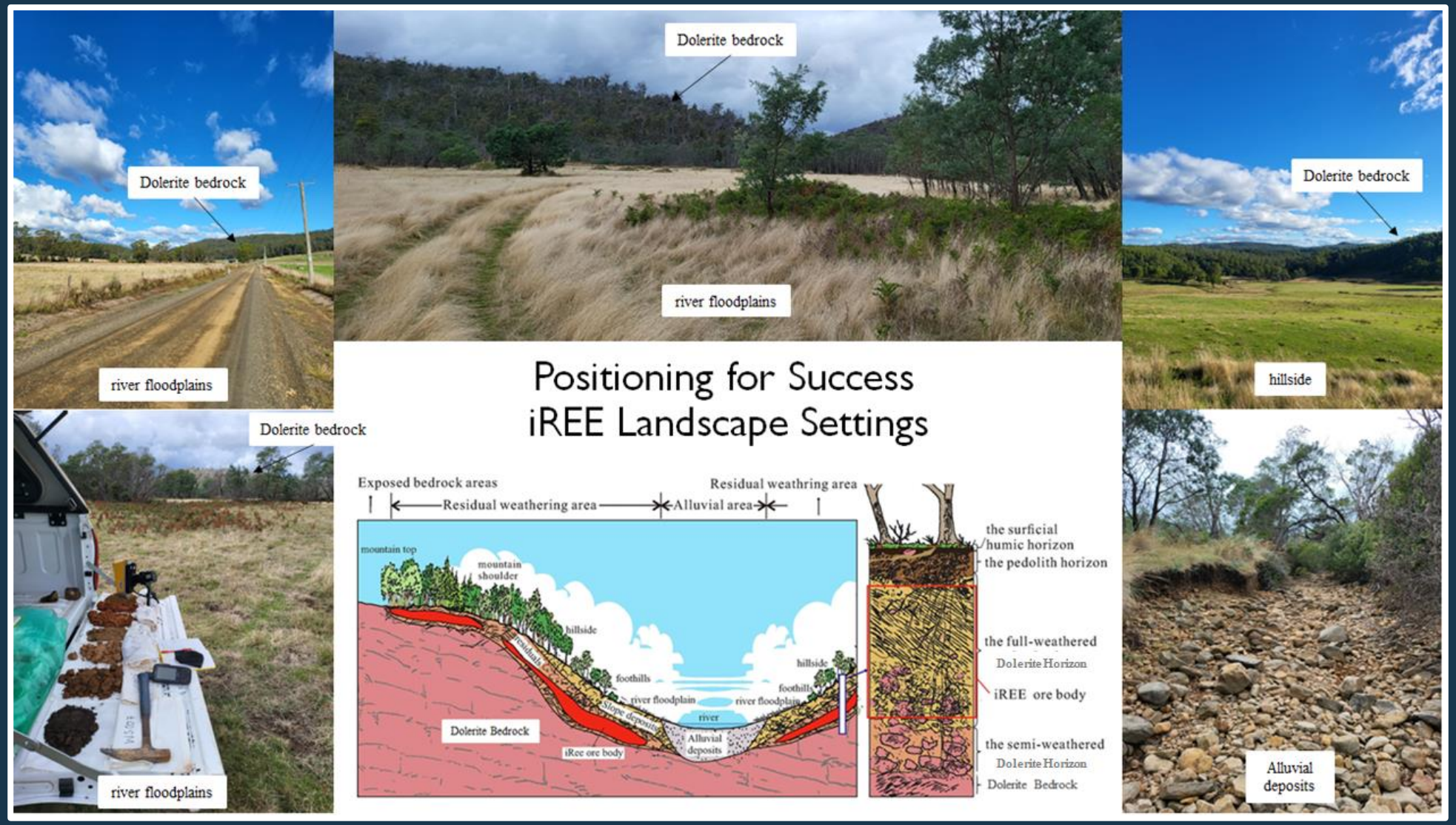
STRATEGIC LOCATION - TOWN, POWER, RAIL

- The 100% owned 500(sq miles) **Westbury + TSGM** project
- Power lines right at property – accessible power.
- Tasmania is punctuated with small towns Burnie and Devonport being the major mining centres, with a skilled workforce.
- **Port of Devonport is 100 km to the north with rail infrastructure.**

TasPort expansion at Port of Burnie.

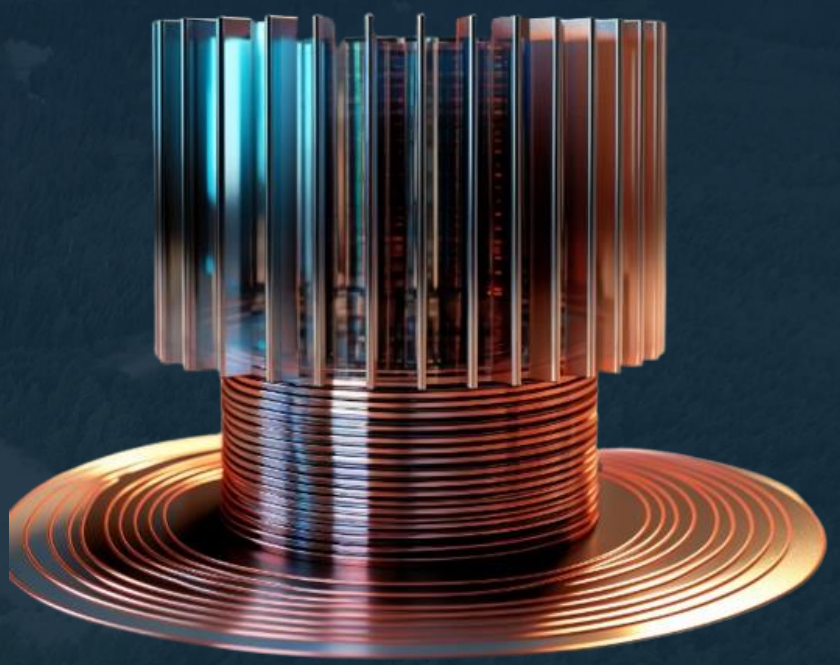
TASMANIA TRAIN YARD

STRONG IREE LANDSCAPE SETTING



DEAL TERMS FOR REE PROJECT

- DD completed and option exercised January 24, 2023.
- **Earn 50%**
  - i) spending AUD $300,000 (CAD $267,480) on exploration w/n 180 days of exercise
  - ii) Commit to spend further AUD $200,000 (CAD $178,320) w/n further 90 days
  - iii) Paying W/T seed investors AUD $100,000 (CAD $89,160)
  - iv) Allotting W/T seed investors $100,000 (CAD $89,160) in shares
- Earn on a staged basis **additional 30%** by
  - i) Spending AUD $1,200,000 (CAD $1,044,000)
  - ii) Paying W/T AUD $600,000 (CAD $522,000) cash
  - iii) Allot W/T AUD $480,000 (CAD $348,000) in shares
- Right to acquire remaining 20% (100% in total) at Decision To Mine (DTM) stage at independent valuation



- Neodymium magnet – one of the main REE metals used in tech

PROJECT TIMELINE

Q4 2023

- Acquisition of Tasmania REE project
- Corporate management change
- Market maker + IR

Stage 1

- Soils Geochemistry Program
- Ground Mapping
- Target Generation
- Financing $600,000 CAD
- Exploration start

Stage 2

- Exploration Drilling
- AEM Program
- Additional Surface Geochemistry Traverses
- Assay results from drilling and sampling

Stage 3

- Decision Point
- Resource Drilling

Stage 4

- Metallurgical recovery testing
- Finance larger program

FUNDING PROCEEDS FROM FINANCING

STAGE 1: TARGET DEFINITION AND INITIAL DRILLING

	$
Initial Drilling (500m)	$140,000
Assay & Reporting	$50,000
	$190,000

STAGE 2: DRILLING

Reporting	50,000
Further Drilling - AC (110 p/meter)	550,000
Geochemical Assay	250,000
Logistics + Field Work	250,000
	1,100,000
	$1,290,000

MERYLLION
RESOURCES CORPORATION

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EXCHANGE LISTINGS

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OTCQB: **MYRLF**

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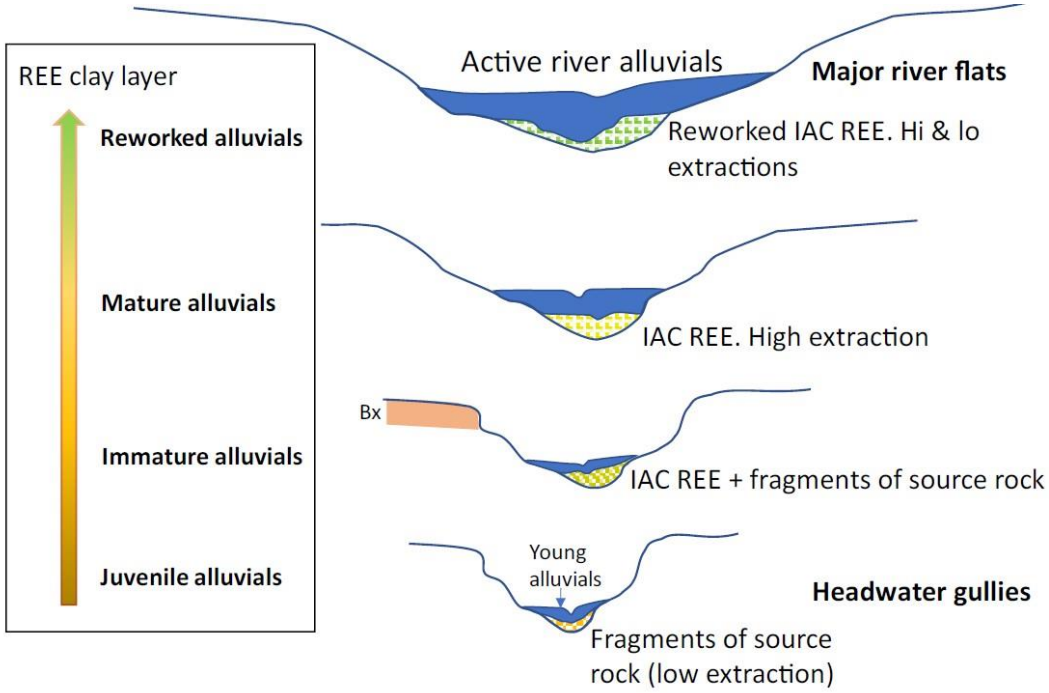
APPENDIX

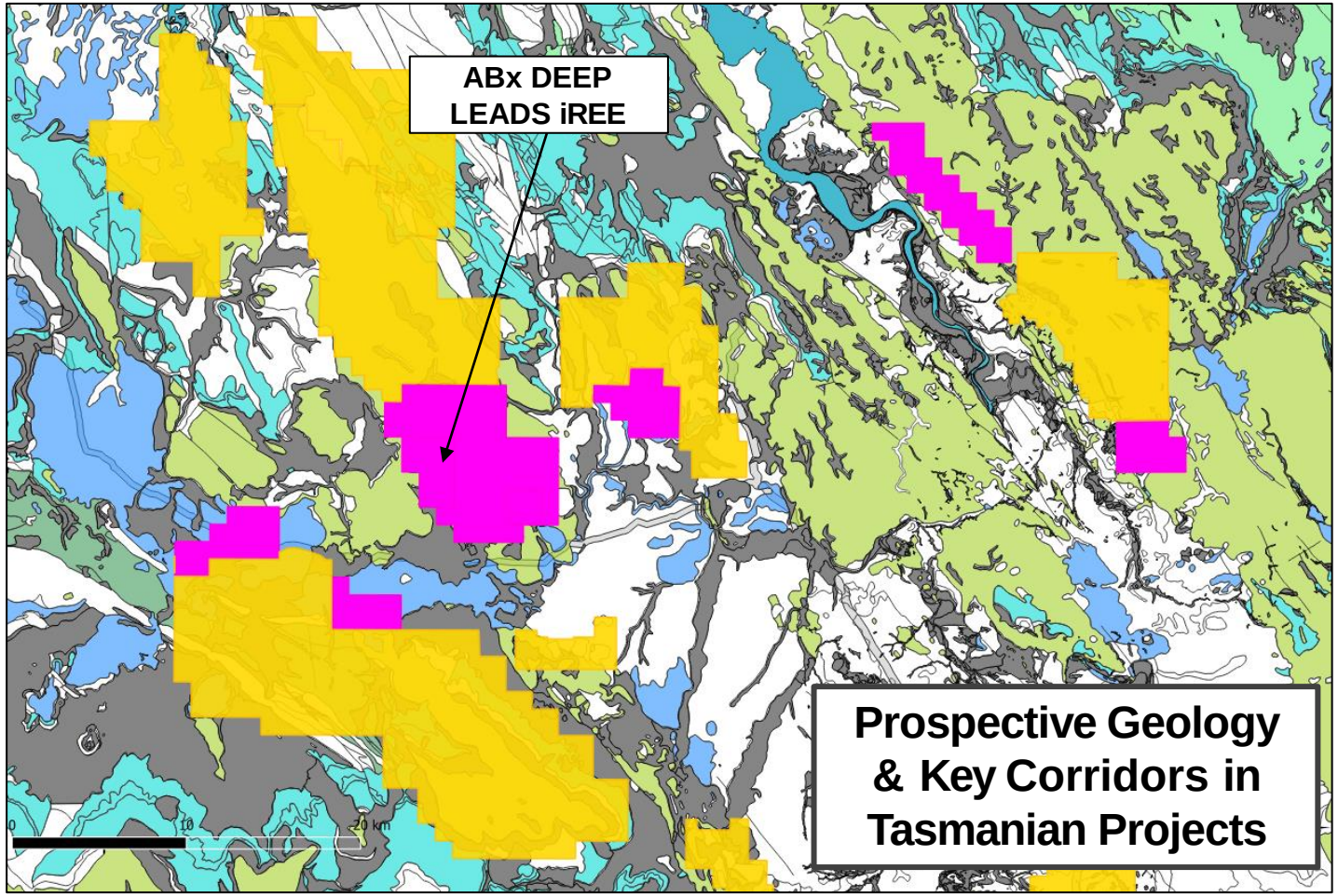
Geology of a new REE Play

Targeting NEW Ionic Clay Rare Earth Resources in Northern Tasmania

Along strike of a tremendous 6.5km size size new ionic/iREE discovery

Targeting Key Geological Environments





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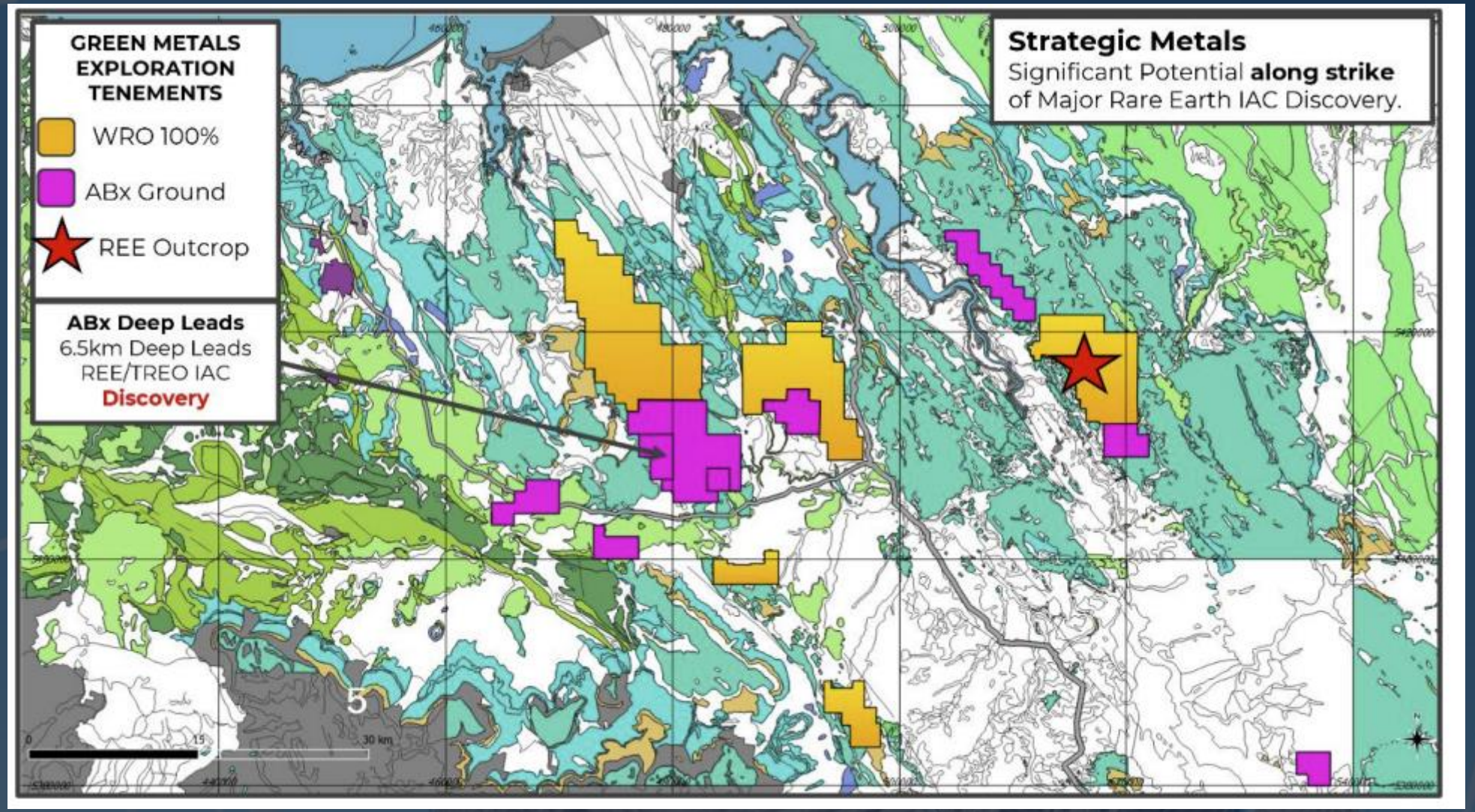
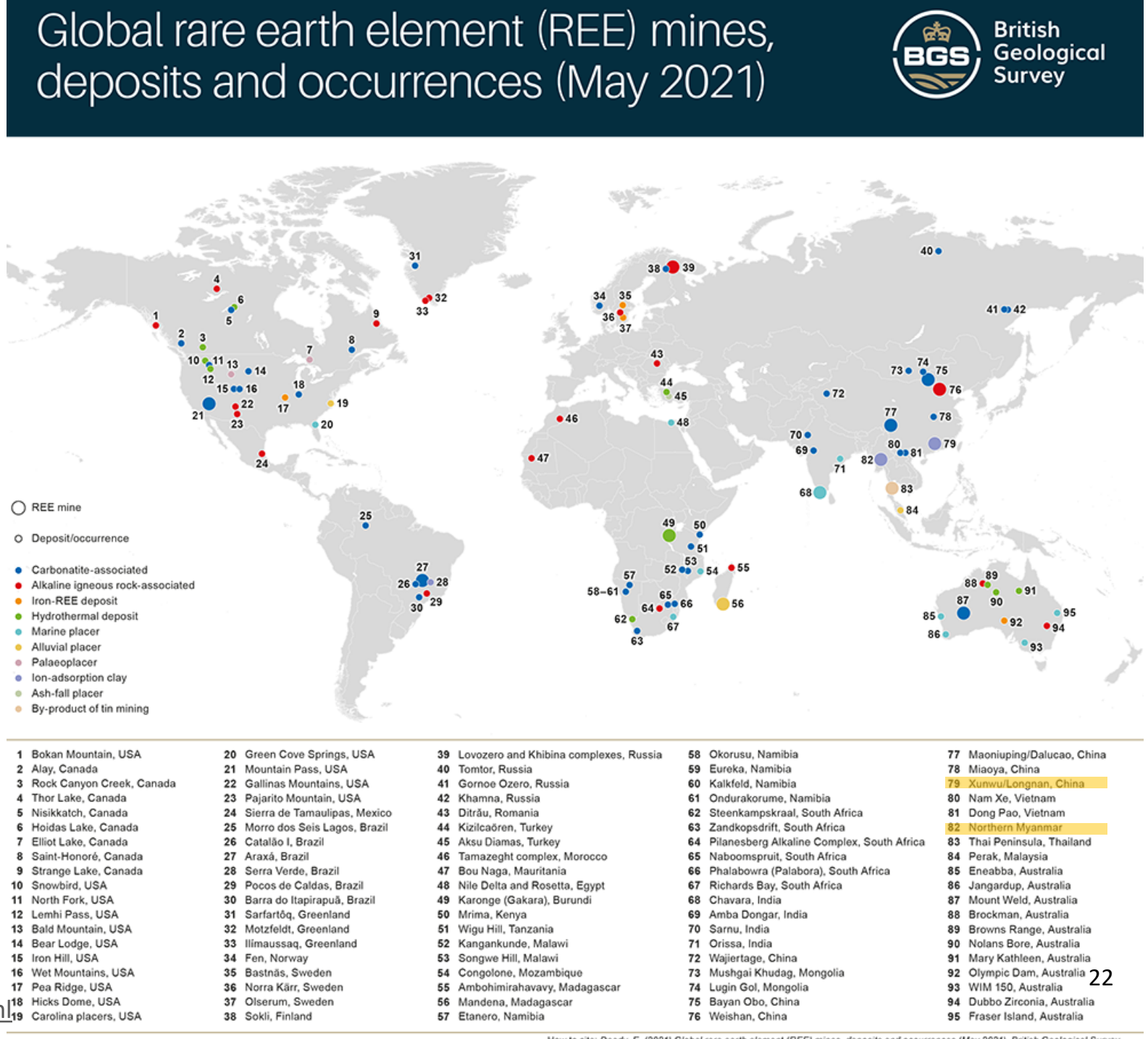
New Ground Acquisition – Westbury Resources



REE Ionic Clay Projects are rare but high grade

- **2 out of 75 on British Geological Survey was ionic clay adsorption**
  - With grade and lower cost potential recovery to quick production, it's a solid reason why ABx's discovery resulted in the excitement it did.

https://www2.bgs.ac.uk/hiTechAlkCarb/map.html



RARE EARTH DEPOSITS TYPES

Type	Where	Notes
Carbonatite Deposits	China, Mongolia (Bayan Obo 83%)	Carbonatite rocks are one of the most important sources of rare earth elements. These rocks are composed mainly of carbonate minerals (such as calcite and dolomite) and often contain significant concentrations of REEs. The Bayan Obo deposit in China, one of the largest rare earth mines in the world, is associated with carbonatite intrusions.
Alkaline Igneous Rocks		Alkaline igneous rocks, including syenites and nepheline syenites, can host REE deposits. These rocks are enriched in alkaline minerals like feldspars and nepheline and can contain elevated concentrations of rare earth elements.
Hydrothermal Veins and Deposits	USA	Hydrothermal ore deposits can also host rare earth elements. These deposits form when hot fluids rich in REEs migrate through fractures and cavities in rocks. Vein-type deposits, such as those found in the Bear Lodge Mountains in the United States, are an example of this type of REE occurrence.
Ionic Adsorption Clay Deposits	Tasmania (ABx)	In some tropical and subtropical weathering environments, ion adsorption clay deposits can accumulate significant concentrations of rare earth elements. These deposits are formed as weathering processes cause leaching of REEs from parent rocks, which are then adsorbed onto clay minerals in the soil.
Phosphate Deposits	Florida, USA	Phosphate rocks, used primarily for fertilizer production, can contain elevated concentrations of rare earth elements. Some phosphate deposits, such as those in Florida, USA, have been found to have significant REE content.
Sedimentary Deposits:		Certain sedimentary environments can accumulate rare earth elements. Sedimentary deposits can form in marine or lacustrine settings when dissolved REEs precipitate out of solution due to changes in water chemistry.
Iron-Oxide-Copper-Gold (IOCG) Deposits	North America	In some IOCG deposits, rare earth elements can be present as accessory minerals associated with copper and gold mineralization.

Exciting discoveries in Tasmania could represent SIGNIFICANT production supplying Australia, Europe, Asia.

Production (Tonnes REO)	Country	Ore Conc	Mixed Chem Conc	Separation Oxides
140,000	China	China	China	China
38,000	United States	United States	China	China
30,000	Myanmar	Myanmar	Myanmar, China	China
25,000	Canada	Canada	Canada	North America TBA
17,000	Australia	Australia	Malaysia	Malaysia, China
4,000	Madagascar	Madagascar	China	China
3,000	India	India	India	India
2,700	Russia	Russia	Estonia	Estonia
1,000	Brazil	Brazil	Brazil	Brazil
1,000	Vietnam	Vietnam	Vietnam	Vietnam
500	Barundi	Barundi	China	China

Table 1 – Meryllion Initial Sampling Results

- Rare earth element analyses were originally reported in elemental form but have been converted to relevant oxide concentrations as in the industry standard to:
- **TREO** = La2O3 + CeO2 + Pr6O11+Nd2O3 +Sm2O3 + Eu2O3 + Gd2O3 + Tb4O7 + Dy2O3 + Ho2O3 + Er2O3 + Tm2O3 + Yb2O3 + Lu2O3 + Y2O3
- **MREO** = Pr6O11 + Nd2O3 + Dy2O3 + Tb4O7
- Conversion factors from element to oxide are as follows:

Element	Conversion Factor (multiplier)	Oxide
La	1.1728	La2O3
Ce	1.2284	CeO2
Pr	1.2082	Pr6O11
Nd	1.1664	Nd2O3
Sm	1.1596	Sm2O3
Eu	1.1579	Eu2O3
Gd	1.1526	Gd2O3
Tb	1.1762	Tb4O7
Dy	1.1477	Dy2O3
Ho	1.1455	Ho2O3
Er	1.1435	Er2O3
Tm	1.1421	Tm2O3
Yb	1.1387	Yb2O3
Lu	1.1371	Lu2O3
Y	1.2699	Y2O3
Sc	1.5338	Sc2O3

ABx Results From ASX Announcement Sept 27, 2023

- Note – QP has been unable to verify the information that is presented in the ABx:ASX announcement Sept 27, 2023.
- Results reported under the JORC code and may not qualify under NI-43-101.
- The information is not necessarily indicative of the mineralization on Meryllion's property.

Table 1: Hole RM336 assays (location in Fig 1 & Appendix)

From	To	m	TREO	TREO - CeO_2	Perm Mag REO	Dy_2O_3	Tb_4O_7	Dy+Tb TREO	Other Rare Earth Elements											
									CeO_2	Er_2O_3	Eu_2O_3	Gd_2O_3	Ho_2O_3	La_2O_3	Lu_2O_3	Nd_2O_3	Pr_6O_{11}	Sm_2O_3	Tm_2O_3	Y_2O_3	Yb_2O_3
m	m	m	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1	2	1	952	363	101	19	3	2.3%	590	12	3	15	4	71	2	63	17	12	2	131	10
2	3	1	6,719	5,564	2,074	235	40	4.1%	1,155	125	69	244	44	1,366	16	1,423	376	282	17	1218	108
3	4	1	17,333	16,847	6,189	819	138	5.5%	486	435	227	818	153	3,589	55	4,176	1,056	877	59	4076	369
4	5	1	12,894	12,644	4,081	600	99	5.4%	251	359	148	603	122	2,709	45	2,718	664	566	48	3670	293
5	6	1	4,817	4,642	1,333	213	35	5.1%	175	137	48	214	45	971	17	874	211	181	18	1568	107
6	7	1	4,285	4,102	1,324	191	32	5.2%	183	114	48	196	38	868	14	883	218	190	15	1203	93
7	8	1	2,078	1,987	580	91	15	5.1%	92	59	21	92	20	405	7	380	94	81	8	669	46
8	9	1	2,167	2,061	667	95	16	5.1%	106	56	25	97	19	433	7	446	110	98	8	603	48
1	**9**	**8**	**6,406**	**6,026**	**2,044**	**283**	**47**	**5.2%**	**380**	**162**	**74**	**285**	**56**	**1301**	**20**	**1,370**	**343**	**286**	**22**	**1642**	**134**