Developing metals and minerals for a cleaner energy future



Near Term Uranium Producer



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NOTES TO PROJECT DESCRIPTIONS

The Company confirms that the material assumptions underpinning the Tiris Uranium Production Targets, Reserves and the associated financial information derived from the Tiris production target as outlined in the Aura Energy ASX Release dated 29 Mar 2023 "Enhanced Definitive Feasibility Study' and ASX Release dated 28 Feb 2024 "FEED study confirms excellent economics for the Tiris Uranium Project" continue to apply and have not materially changed.

The Tiris Uranium Project Mineral Resources were released on 12 June 2024 - 55% increase in Tiris' Mineral Resources to 91.3 Mlbs U308. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcement and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed.

The Häggån Project Resources were released dated 10 October 2019 "Häggån Battery Metal Project Resource Upgrade Estimate Successfully Completed" and ASX Release dated 22 Aug 2012 "Outstanding Häggån uranium resource expands to 800 million pounds". The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcement and that all material assumptions and technical parameters underprinning the estimates in the relevant market announcements continue to apply and have not materially changed.

The Company confirms that the material assumptions underpinning the Häggån Project Production Targets, Reserves and the associated financial information derived from the Häggån production target as outlined in the Aura Energy ASX Announcement dated 5 Sept 2023 "Scoping Study Confirms Scale and Optionality of Häggån" continue to apply and have not materially changed.

In respect to Resource statements, there is a low level of geological confidence associated with inferred mineral resources and there is no certainty that further exploration work will result in the determination of indicated measured resource or that the production target will be realised.

This presentation was approved for release by the Board of Directors.

Corporate Snapshot

ASX and AIM listed uranium exploration company (ASX: AEE, AIM: AURA) with a focus on cleaner energy since 2006

Developing metals and minerals for a cleaner energy future, valuing host nations, communities and shareholders

- Primary focus near-term production at the Tiris Uranium Project in Mauritania
- Häggån Polymetallic Project in Sweden a global significant 2.5Bt deposit that contains over 800Mlbs of uranium¹

Experienced board and management



Shareholders ²	%
Macquarie Securities	15.3%
Lind Partners	9.9%
Asean Invest Advisors	8.4%
ALPS Advisors	6.1%
Global X Mgt	4.4%
Top 10 Shareholders	55.1%
Top 20 Shareholders	63.6%
Management	2.4%



Board	
Phil Mitchell Non-executive chair	Finance and mergers and acquisitions (M&A)M&A for Robert Friedland, CFO of Rio Tinto Iron Ore
Patrick Mutz Non-executive director	 Significant uranium processing experience Former MD of African uranium company, Deep Yellow and Alliance Resources
Bryan Dixon Non-executive director	Significant ASX listed finance and corporate experience
Warren Mundine Non-executive director	 Government and community Former director of the Australian Uranium Association

Management	
Andrew Grove Managing Director & CEO	 Significant corporate, technical, project finance, West African and uranium experience Chesser Resources, Perseus Mining, Macquarie Bank and Areva
TBA Country Manager	Commencing in November
Will Goodall CDO	 Expert in geometallurgy, mineral processing and hydrometallurgy Driven technical development of Tiris to date
Mark Somlyay CFO	 Very strong in finance, commercial and business improvement Significant West African experience
Nigel Jones Marketing	 Former Marketing Director of uranium for Rio Tinto – Rössing Former Managing Director of the Simandou project Rio Tinto

Project development	Owners team Project EQ (Jan Booyse)	 Boutique mine project owners team company Team of 5 highly qualified engineers Extensive experience in project delivery in West Africa
	Project optimisation Lycopodium / ADP	 Successfully completed re-start of Paladin Energy's Langer Heinrich Mine in Namibia Similar flowsheet as Tiris
	Mine optimisation Kenmore Mine Consulting (Andrew Fox)	 Optimise and review mine plan on back of increased Mineral Resource +55% to 91.3Mlbs Review options for future expansion of the Project production rate
	ESG development Resolution88 Social License Solutions (Bruce Harvey)	 Comprehensive Environment Social Governance ("ESG") review and update Significant experience developing robust ESG frameworks in Africa and elsewhere JBS&G – updating environmental management and stakeholder management plans
	Hydrogeology Knight Piésold	 MICG_GDM Mauritanian drilling contractors Knight Piésold supervise work programs
	Uranium Transportation Orano NSP	 Orano NSP supporting seaborne logistics for international UOC transportation Fully licensed radioactive storage area at port of Nouakchott



Why nuclear energy?





√ Growing clean energy demand

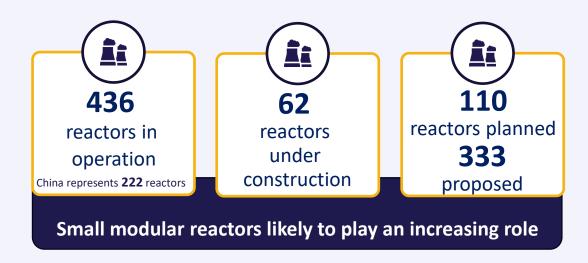
- ✓ Nuclear energy essential for the global economic decarbonisation
- ✓ From 18.5TWh in 2010 to forecast of 43.7TWh in 2050¹

✓ Uranium Structural Supply Deficit

- ✓ Supply deficit of between 119–242Mlbs pa by 2040 (World Nuclear Association estimate²)
- ✓ TradeTech estimated a ~30Mlbs² supply deficit in 2023, driving a **90% rise in uranium price**

- ✓ Global shift towards nuclear energy for Carbon-Free base lode capacity
 - ✓ Spot Uranium price up over **90%** in past 12 months

Latest World Nuclear Association data shows:





Aura Energy – part of the energy transition





TIRIS – a near-term uranium producer

- ✓ Outstanding Economics¹:
 - Post-tax NPV US\$388M, IRR 36%,2.5-year payback
- ✓ Simple low-risk shallow free digging mining with no blasting, crushing or grinding
- ✓ High-grade leach feed ~2,000ppm U₃O₈
- ✓ Significant Resource growth potential beyond 91.3Mlbs
 U₃O₈²
- ✓ ~2 Mlbs per annum U₃O₈ production over 17 years expandable
- ✓ Regional scale position in new Uranium Province



Häggån – a Tier 1 polymetallic project

- Extraordinary scale and diversified suite of future-facing commodities
- ✓ Scoping Study³ presents a robust project:
 - Less than 3% of known 2.5B tonne Mineral Resource used
 - Post-tax NPV US\$456M to US\$1,307M and IRR 28% to 49%
- ✓ Anticipated Swedish legislative change to allow Uranium mining
- √ 800Mlbs uranium Mineral Resource⁴ not considered in Scoping Study
- Exploitation permit application underway



Mauritania overview

✓ Stable and supportive government

- ✓ President Ghazouani secured second 5-year term in June 2024 with 56% of primary vote
- ✓ All licences required to develop and operate Tiris received
- ✓ Inter-Ministerial committee established to support Tiris development
- ✓ Well established legislation allowing the mining and export of uranium, administered by l'Autorité Nationale de Radioprotection de Sûreté et de Sécurité Nucléaire ("ARSN")
- ✓ Mauritania has been a Member State of the International Atomic Energy Agency ("IAEA") since 2004

✓ Long history of mining

- ✓ Multi-national companies present in Mauritania
 - ✓ Kinross Gold Tasiast gold mine +600koz pa production
 - ✓ Société Nationale Industrielle et Minière ("SNIM") Iron ore mines 18Mtpa
 - ✓ BP Greater Tortue Ahmeyim off-shore gas field, a JV with Mauritania and Senegalese governments - 50-100tcf of gas resource protential
 - ✓ First Quantum Guelb Moghrein gold copper mine



Tiris Uranium Project - Mauritania

Low-cost, Long-life, Near-term Uranium Producer with Exceptional Growth Opportunities



Outstanding Economics¹

Post-tax NPV₈ US\$388M & IRR 36%
Payback 2.5 years
Production17-years @ 2Mlbspa
Economics based on 58.9Mlbs
Resource now 91.3Mlbs U₃O₈²



Low Operating Costs¹

AISC: US\$34.5/lb
Simple shallow open pit mining
Screening delivering
high-grade leach feed ~2,000ppm



Ready for Development

Fully licensed for development and operations
FID by end Q1 2025

18 months from Investment Decision



Growth Opportunities

Significant Exploration Potential Potential to Expand Project Scale 1st Mover in new Uranium Province





Tiris Uranium Project – outstanding economics



Front End Engineering Design - Financial Outcomes¹

NPV ₈ (post-tax)	US\$388M (A\$597M)
IRR (post-tax)	36%
Payback	2.5 years
Life of Mine (Life of Mine)	17 years
Annual Uranium Produced	1.9Mlbs U ₃ O ₈
Total Production (Life of Mine)	30.1Mlbs U ₃ O ₈
Free Cashflow (post-tax Life of Mine)	US\$1,061M
All in Sustaining Cost (AISC)	US\$34.5/lb
Capital Cost	US\$230M
Uranium Price	US\$80/lb U ₃ O ₈
USD/AUD	0.70



2024Financing
Offtakes

2025

Final Investment Decision ("FID")
Final Design
Construction

2026/27

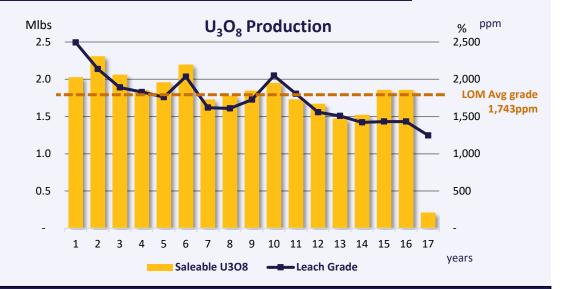
Uranium Production

Tiris Uranium Project – ~2,000ppm U₃O₈ Leach Feed



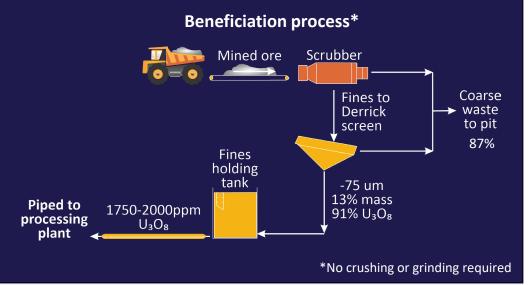
MINING:

- √ Shallow free digging open pit mining <6m depth
 </p>
- ✓ Low Strip Ratio 0.7:1 waste:ore only 6.4Mtpa total material mined
- ✓ Conventional truck and shovel operation
- ✓ Multiple pits open significant flexibility accessing ore
- ✓ Backfill directly into pits **no significant waste dumps**
- ✓ 9% Inferred over first 5 years, 15% Inferred over first 10 years and 33% Inferred over Life of Mine (LOM)



BENEFICIATION:

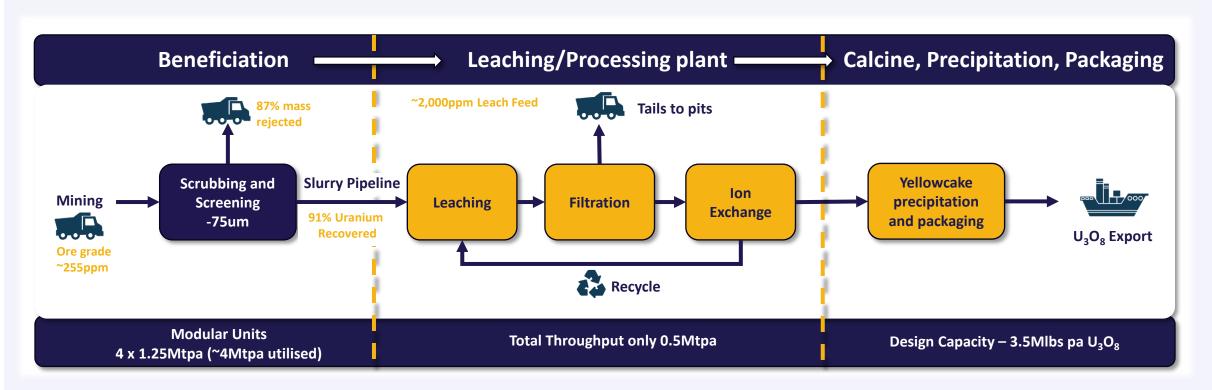
- ✓ Simple trommel and screening generates high-grade leach feed
- ✓ At -75um screen size 13% mass and 91% of the uranium recovered
- ✓ High-grade Leach Feed at average 1,743ppm U₃O₈ (LOM)
- ✓ Leach Feed average 1,997ppm U₃O₈ over first 5 years
- ✓ US\$8/lb U₃O₈ to deliver Leach Feed to plant (mining and beneficiation)



Tiris Uranium Project – High Grade Leach



Simple proven beneficiation allows an ongoing grade advantage



Shallow <6m depth, free-digging material No Drilling or Blasting **Excellent Beneficiation Characteristics** Over 150 beneficiation testwork samples

Conventional Alkaline Leaching Technology Similar to Paladin's Langer Heinrich Mine in Namibia No Crushing and No Grinding

Adelaide Control Engineering ("ACE") plant **Licensed to produce Uranium Orano NSP supporting seaborne logistics**

Northern Mauritania - A New Uranium Province



Ore Reserves¹ - 22.6Mlbs U₃O₈ - to be updated

Updated Mineral Resources² - 91.3Mlbs U₃O₈

> 55% increase +32Mlbs U₃O₈ from recent 15,500m drill program (red)

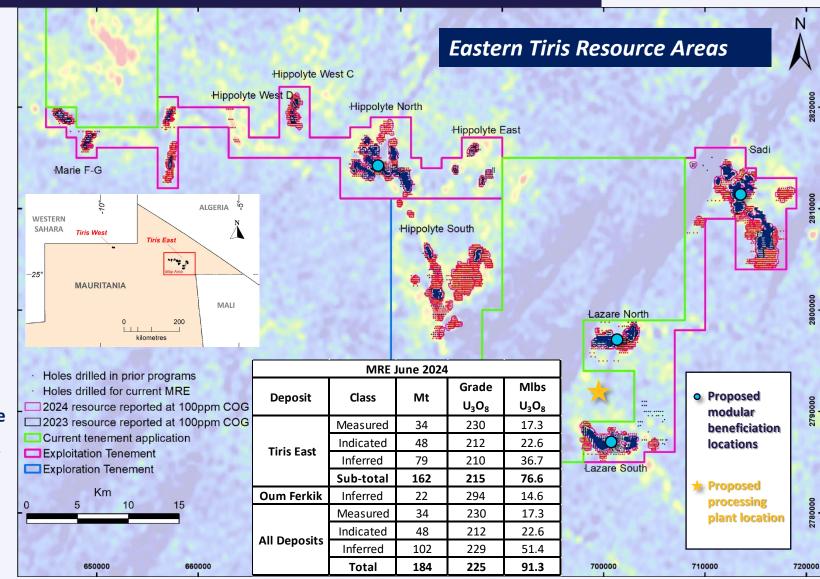
Discovery cost of US\$0.20/lb U₃O₈

Significant Resource growth potential both on leases and within new applications

13,000km² of new tenement applications submitted

Strategic position in emerging Uranium Provence

Modular plant design provides opportunities for expansion of production beyond 2Mlbs per annum to accommodate resource growth



Tiris Uranium Project – Next Steps for 2024



- ✓ Final license for development and operations received
- ✓ Develop team to deliver Tiris Owners team, CFO appointed, **Country Manager to commence in November**
- ✓ Significantly increased Minerals Resources by 55% to 91.3Mlbs U₃O₈¹
- > Updating mine schedule and Project economics with larger resource
- > Studying options for Project expansion beyond 2Mlbs pa production
- > Off-take negotiations with leading US nuclear utilities near complete
- Project funding commenced debt, strategic investors and equity
- Water drilling commenced
- > ESG framework development
- > Developing Project execution plans and pre-FID works
- Financial Investment Decision by Q1 2025
- Uranium production within 18 months of FID in 2026/27



Häggån Polymetallic Project - Sweden

Future Facing Minerals



Globally Significant Project

2.5B tonnes¹

Containing Vanadium, Sulphate of Potash (K₂SO₄), U₃O₈, Mo, Ni, Zn



Bonus Uranium Potential

800_{Mlbs}

Uranium (U₃O₈)
Mineral Resource ²



Lifting of uranium mining ban

23 February 2024³, Sweden's Climate Minister, Romina Pourmokhtari creates inquiry to abolish the current ban on uranium mining



Opportunities

Uranium adds 14% to the revenue and 37% to NPV of the scoping study¹ @ US\$ 65/lb U₃O₈



Häggån Polymetallic Project - Sweden



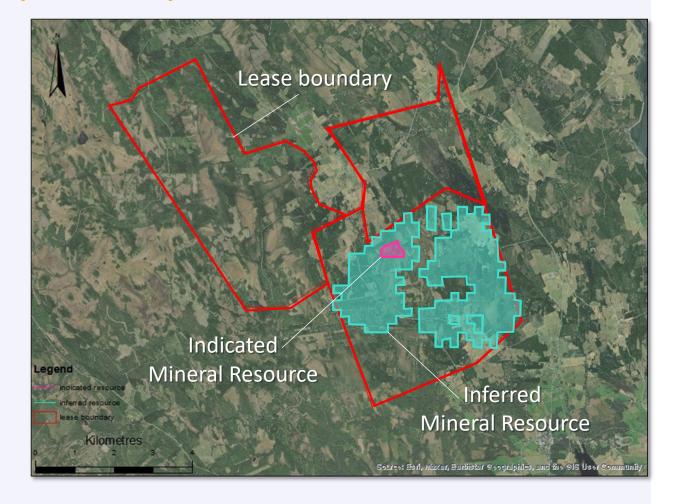
Future Facing Minerals Project with long-life, optionality and scalability

Häggån Scoping Study ¹					
Life of mine ('LOM') ore production	59Mt				
Total Resource	2,548Mt at 0.1% V_2O_5 cut-off				
Overall V ₂ O ₅ recovery from plant feed	80%				
V ₂ O ₅ production - LOM	166,500 tonnes V ₂ O ₅ (367Mlb)				
V ₂ O ₅ production - annual	10,000 tonnes				
K ₂ SO ₄ production - annual	215,000 tonnes				
Process throughput	3.6 Mtpa				
Total Mine life	27 years				
Initial capital cost	US\$ 592M				
Operating cash flow (EBITDA) - annual	US\$ 153M to US\$ 282M				
AISC	US\$ 2.9/lb V ₂ O ₅				
Post-tax NPV ₈	US\$ 456M to US\$ 1,307M				
Post-tax IRR	28% to 49%				
Payback period	1.5 to 2.0 years				

Uranium Potentiai Upside				
	800Mlbs U ₃ O ₈			
	~1.0Mlbpa U ₃ O ₈			
65/lh	+37% NPV & +14% Revenue			

Uranium uplift at US\$ 65/lb Post-tax NPV₈ – incl. U₃O₈ US\$ 756M to US\$ 1,606M

Uranium Resources² **Uranium Production**



Conclusions





Clean Energy Demand

- ✓ Global commitments to de-carbonise energy production
- ✓ Demand increasing with Supply constraints Need for low carbon baseload power, affordable energy and security
- ✓ Tiris and Häggån Projects support this objective
- √ Strong uranium price supporting new developments



Tiris - near-term 2Mlbspa producer

- ✓ Tiris Project high value near-term uranium mine with post-tax NPV of US\$388M and IRR of 36%, AISC of US\$34.5/lb1
- √ 17-years producing 2Mlbspa U₂O₈ and growing with recent 55% increase in Mineral Resources to 91.3Mlbs U₃O₈²
- ✓ Simple mining and beneficiation delivering high-grade leach feed ~2,000ppm U₃O₈
- ✓ Fully Licensed
- ✓ FID by Q1 2025
- √ 18 months design and construct with first uranium 2026/27



Impressive Growth Pipeline

- ✓ Significant Resource Growth Potential at Tiris
- ✓ Tiris Project scalable
- ✓ Aura has a significant and strategic position in a new emerging Uranium Province
- ✓ Future development of the Tier 1 Häggån **Project**
- **√** 891Mlbs of U₃O₈ Mineral Resources (Tiris and Häggån)
- ✓ Excellent leverage to Uranium Price



Questions

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Appendix 1

Tiris Project Ore Reserve¹ and Mineral Resources²



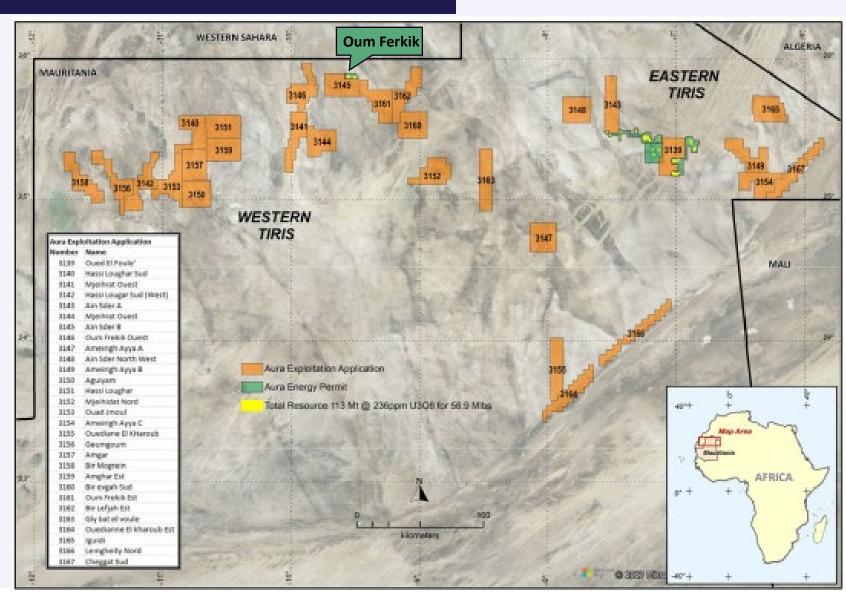
Tiris Ore Reserves ¹							
Area / Class	Tonnes (Mt)	U₃O ₈ (ppm)	U ₃ O ₈ (Mlbs)				
Lazare North							
Proved	0.9	298	0.6				
Probable	7.9	251	4.4				
Lazare South							
Proved	6.5	264	3.8				
Probable	2.6	291	1.7				
Hippolyte							
Proved	5.7	270	3.4				
Probable	7.1	231	3.6				
Sadi							
Proved	6.1	232	3.1				
Probable	3.3	261	1.9				
Total Ore Reserve							
Proved	19.3	257	11				
Probable	21.3	251	11.6				
Total Ore Reserve	40.3	254	22.6				

/IRE June 2024 ²				
Deposit	Class	Mt	U308	MIb U308
Hippolyte East	Inferred	2	172	0.8
	Measured	11	237	5.6
Hippolyto North	Indicated	7	238	3.7
Hippolyte North	Inferred	9	236	4.9
	Sub-total	27	237	14.3
	Indicated	5	205	2.1
Hippolyte South	Inferred	28	181	11
	Sub-total	32	184	13.2
Hippolyte West C	Inferred	4	244	2.2
Marie	Inferred	10	246	5.3
	Measured	4	291	2.4
Lazare North	Indicated	10	247	5.3
Lazare North	Inferred	4	299	2.4
	Sub-total	17	268	10.1
	Measured	8	234	4.4
Lazare South	Indicated	7	217	3.1
Lazare South	Inferred	6	209	2.6
	Sub-total	21	222	10.1
	Measured	11	198	4.9
C- di	Indicated	20	187	8.4
Sadi	Inferred	17	201	7.5
	Sub-total	48	195	20.8
	Measured	34	230	17.3
All Tiris East	Indicated	48	212	22.6
All TITIS East	Inferred	79	210	36.7
	Sub-total	162	215	76.6
Oum Ferkik	Inferred	22	294	14.6
	Measured	34	230	17.3
All Deposits	Indicated	48	212	22.6
	Inferred	102	229	51.4
Grand Total	All	184	225	91.3

Tiris Project New Tenement Applications¹



- √ 13,000 km² of exploration tenements in the Tiris Uranium Province in Northern Mauritania
- ✓ Targets were selected following a detailed 12-month evaluation program based on historical drilling and radiometric data and analogues from the Company's successful uranium discoveries
- ✓ Target areas with strong synergies with the Tiris West (Oum Ferkik) Mineral Resource of 14.6Mlbs (22Mt @ 294ppm $U_3O_8)^2$
- ✓ Structural and Radiometric targets
- ✓ Systematic evaluation once granted



Häggån Mineral Resources^{1,2}



Häggån Mineral Resources ¹								
V ² O ⁵ Cut-Off	Class	Tonnes	V ₂ O ₅	K ₂ O	Mo	Ni	Zn	V ₂ O ₅
%		Mt	%	%	ppm	ppm	ppm	M lbs
0.1	Indicated	45	0.34	4.11	213	365	501	332
0.1	Inferred	2,503	0.27	3.37	200	312	433	14,873
0.2	Indicated	42	0.35	4.13	217	375	512	320
0.2	Inferred	1,963	0.30	3.80	212	337	463	13,010
0.2	Indicated	61	0.38	4.22	223	398	536	258
0.3	Inferred	954	0.35	3.95	226	374	503	7,390
0.4	Indicated	11	0.44	4.46	225	429	580	101
0.4	Inferred	113	0.43	4.25	232	419	562	1072

Häggån Uranium Mineral Resources ²								
Class	Tonnes Mt	U₃O ₈ ppm	V ppm	Mo ppm	Ni ppm	Zn ppm	U₃O ₈ M lbs	
Inferred	2,350	155	1,519	207	316	431	800	

[&]quot;This information was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported.