

# STRATEGIC RESOURCES

VANADIUM DEVELOPMENT PROJECTS  
IN TIER ONE JURISDICTIONS





Forward-looking statements relate to future events or the anticipated performance of the Company and reflect management's expectations or beliefs regarding such future events and anticipated performance. In certain cases, forward-looking statements can be identified by the use of words such as "plans", "expects", "is expected", "budget", "scheduled", "estimates", "forecasts", "intends", "anticipates" or "believes", or variations of such words and phrases or statements that certain actions, events or results "may", "could", "would", "might" or "will be taken", "occur" or "be achieved", or the negative of these words or comparable terminology. By their very nature forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause the actual performance of the Company to be materially different from any anticipated performance expressed or implied by the forward-looking statements.

Important factors that could cause actual results to differ from these forward-looking statements include risks related to failure to define mineral resources, converting estimated mineral resources to reserves, the grade and recovery of ore which is mined varying from estimates, future prices of vanadium and other commodities, capital and operating costs varying significantly from estimates, political risks arising from operating in Finland and Peru, uncertainties relating to the availability and costs and availability of financing needed in the future, changes in equity markets, inflation, changes in exchange rates, fluctuations in commodity prices, delays in the development of projects, conclusions of economic evaluations, changes in project parameters as plans continue to be refined, uninsured risks and other risks involved in the mineral exploration and development industry.

Although the Company has attempted to identify important factors that could cause actual performance to differ materially from that described in forward-looking statements, there may be other factors that cause its performance not to be as anticipated. There can be no assurance that forward-looking statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Accordingly, readers should not place undue reliance on forward-looking statements. These forward-looking statements are made as of the date of this presentation and the Company does not intend, and does not assume any obligation, to update these forward-looking statements.

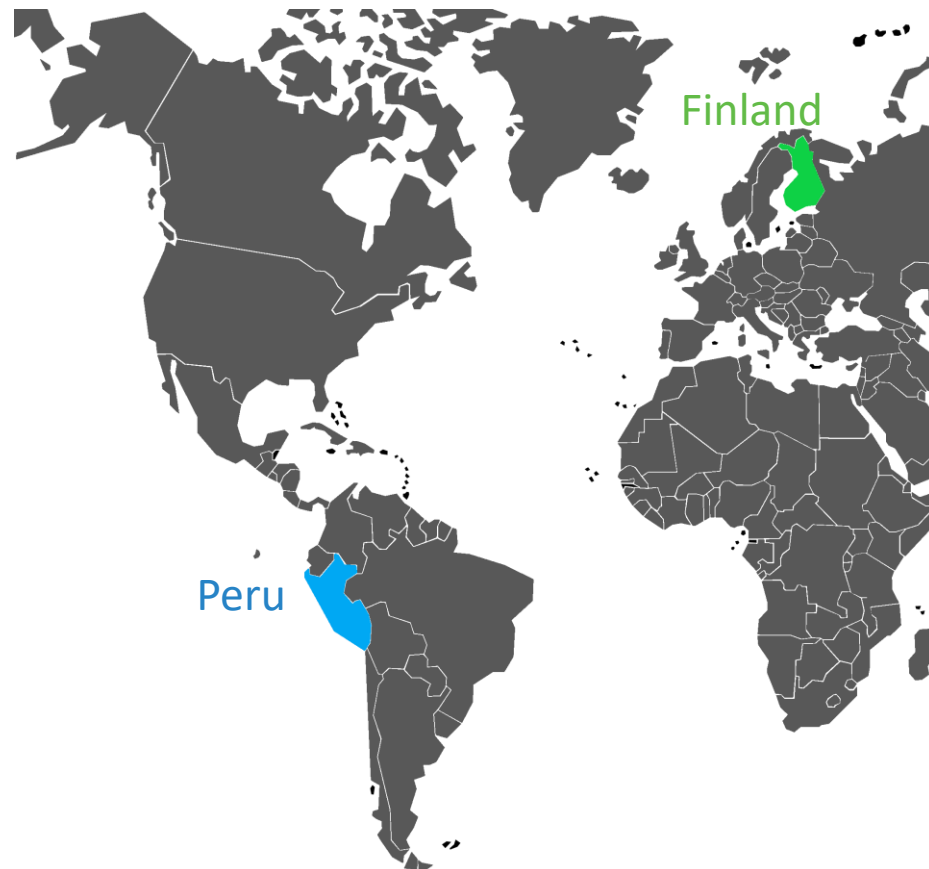
## †Qualified Persons ("QP") as defined by National Instrument 43-101 (NI 43-101)

Ville-Matti Seppä, EurGeol. with the European Federation of Geologists, is the QP responsible for the Condor mineral resource.

Leo Hathaway, P.Geo., and Vice-President Exploration for Strategic Resources, is a QP and has verified the data and information disclosed in this presentation.



- Acquired the past producing Mustavaara mine in Finland
  - Transaction completed in July 2020
  - 43-101 resource released in September 2020
- Strategic also has two earn-in deals to earn 100% interests on separate Finland based projects
  - One with Aurion Resources
  - One with Magnus Minerals
  - Projects are ~170 km apart (~240 km driving)
  - Both properties have been previously drilled and are known to contain vanadium mineralization
- The vision for the company is to establish a base of vanadium exploration and development properties in the near-term
  - Potential to look at other metals that will form the basis of an electrified economy
  - Focused on Tier 1 jurisdictions





Sold For C\$470M in 2014  
*Taca Taca Project – Argentina*  
*Bought by First Quantum*



Sold For C\$455M in 2007  
*Galeno Project – Peru*  
*Bought by China Minmetals / Jiangxi Copper*



Sold For C\$415M in 2008  
*Relincho Project – Chile*  
*Bought by Teck*



Sold For US\$137M in 2006  
*Regalito Project – Chile*  
*Bought by Pan Pacific Copper*



Sold For US\$66M in 2011  
*Portfolio of Royalties*  
*Bought by Franco Nevada*



Sold For C\$50M in 2017  
*Coringa & Mayaniquel Projects – Brazil & Guatemala*  
*Bought by Trek Mining (Equinox Gold)*



Sold For C\$26M in 2006  
*Casino Project – Canada*  
*Bought by Western Copper*

US\$290 Million Raised



US\$1.6 Billion Returned



**LUMINA**GROUP



**Scott Hicks**  
CEO

Finance and  
Capital Markets



**Martin Rip**  
CFO

Accounting and  
Finance



**Leo Hathaway**  
VP Exploration

Geology and Project  
Development



**Lyle Braaten**  
VP Legal and Corporate Secretary

Legal and  
Structuring



**Marshall Koval**  
Senior Advisor

Project  
Development



## AREAS FOR DEMAND GROWTH

**Increasing steel quality:** It is expected that world steel production growth will level, but that consumption will still increase due to increased quality standards out of China

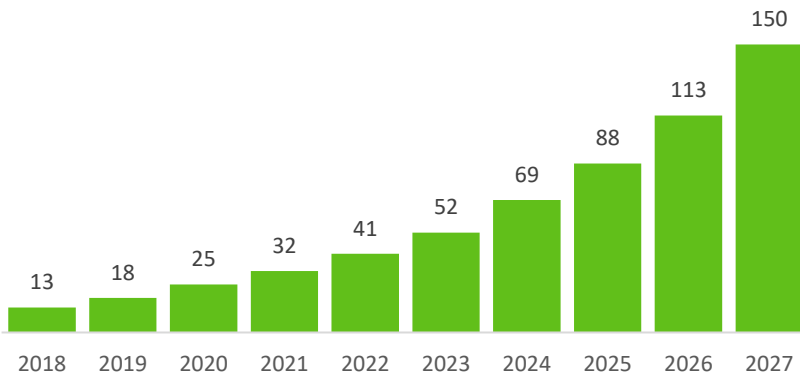
**Growth in vanadium redox battery (“VRB”) market and grid scale storage:** Demand from VRBs is currently a small % of the market, but future adoption can shift demand dramatically

- VRBs have a few advantages over other batteries, including the ability to offer near unlimited capacity for use in larger storage tanks, the ability to be discharged for long periods of time, and the ability to be recharged through the placement of electrolyte

## GROWTH SEGMENTS TO WATCH

Global Battery Storage Deployment Forecast (GWh)

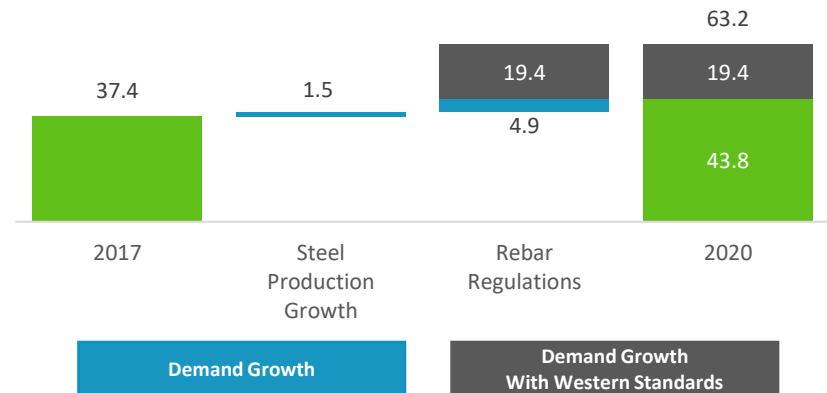
*Key focus: What share of this market will VRB technology take?*



Source: Bloomberg New Energy Finance.

Incremental China Vanadium Demand (kt Vanadium)

*Key focus: Will rebar strength standards continue to increase?*



Source: BMO Research.

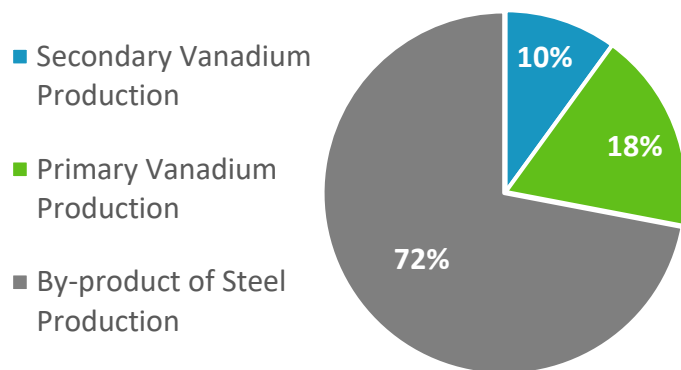




## MAIN USES

- **Steel (89% of demand):** Production of high-strength, low-alloy steel and other high-performance steel
- **Chemical and Aerospace (8%):** Creating titanium alloys for the aerospace end market and as an oxidation catalyst in pollution control and chemical production processes
- **Batteries (3%):** Grid and portable energy storage applications

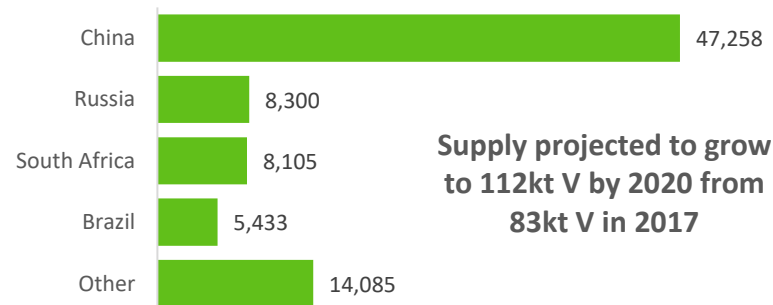
## TYPES OF PRODUCTION



Source: TTP Squared, Credit Suisse research.

## SUPPLY AND PRODUCTION

- 77% of vanadium raw material supply comes from China, Russia, and South Africa



Source: TTP Squared, Credit Suisse research. Note: Weight conversion for V to V<sub>2</sub>O<sub>5</sub> is V weight multiplied by 1.79. 2017 production figures.

# Which Companies Produce Vanadium



## PUBLIC PRIMARY PRODUCERS



Market Cap (Sep 2020): US\$427M

Main Asset Location: Bahia State, Brazil

Main Asset Name: Maracas Menchen

Production Size: ~12ktpa V<sub>2</sub>O<sub>5</sub>

Main Asset Resource: 404kt V<sub>2</sub>O<sub>5</sub>

Main Asset Resource Grade: 1.0% V<sub>2</sub>O<sub>5</sub>



Market Cap (Sep 2020): US\$200M

Main Asset Location: South Africa

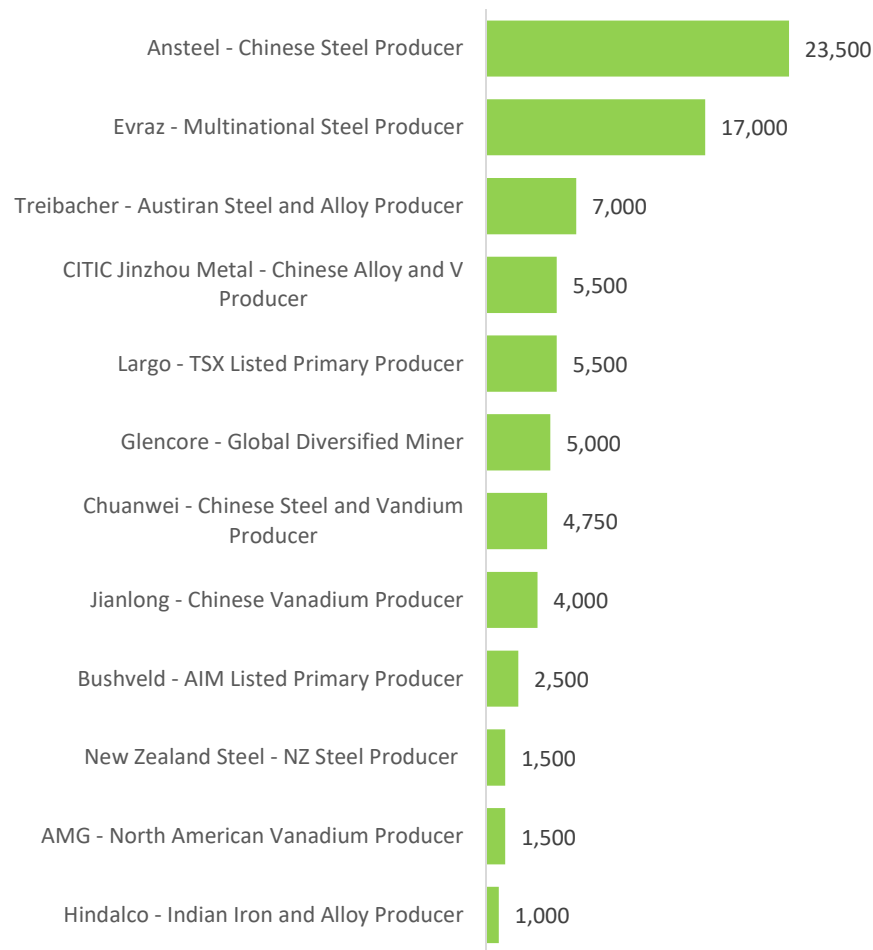
Main Asset Name: Vametco

Production Size: ~4.6kt V<sub>2</sub>O<sub>5</sub>

Main Asset Resource: 1,284kt V<sub>2</sub>O<sub>5</sub>

Main Asset Resource Grade: 0.78% V<sub>2</sub>O<sub>5</sub>

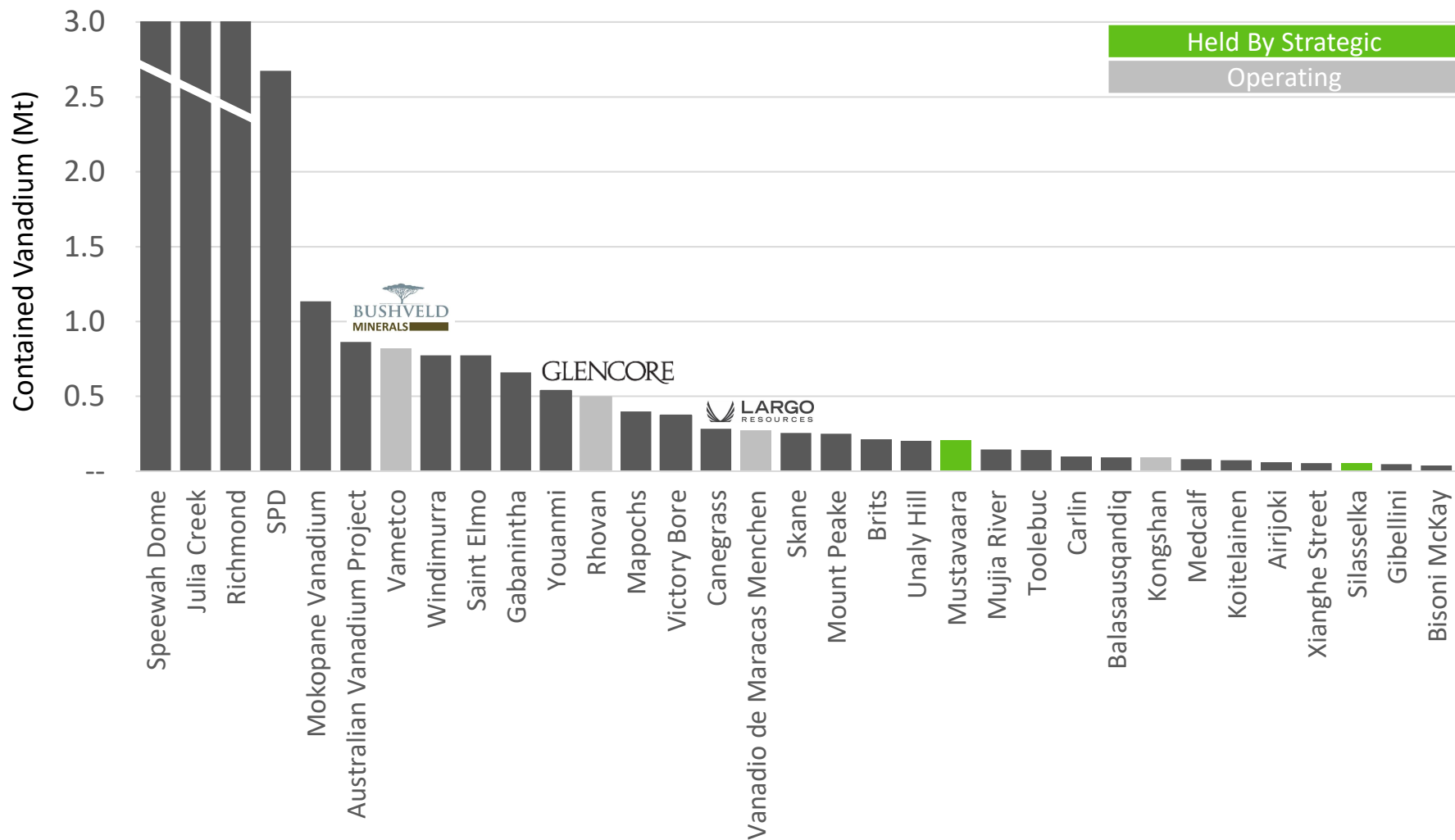
## GLOBAL VANADIUM PRODUCERS (TONNES)



Source: RBC Research. Note: 2018 Estimated V production. Weight conversion for V to V<sub>2</sub>O<sub>5</sub> is V weight multiplied by 1.79.



# Top Primary Vanadium Assets by Resource



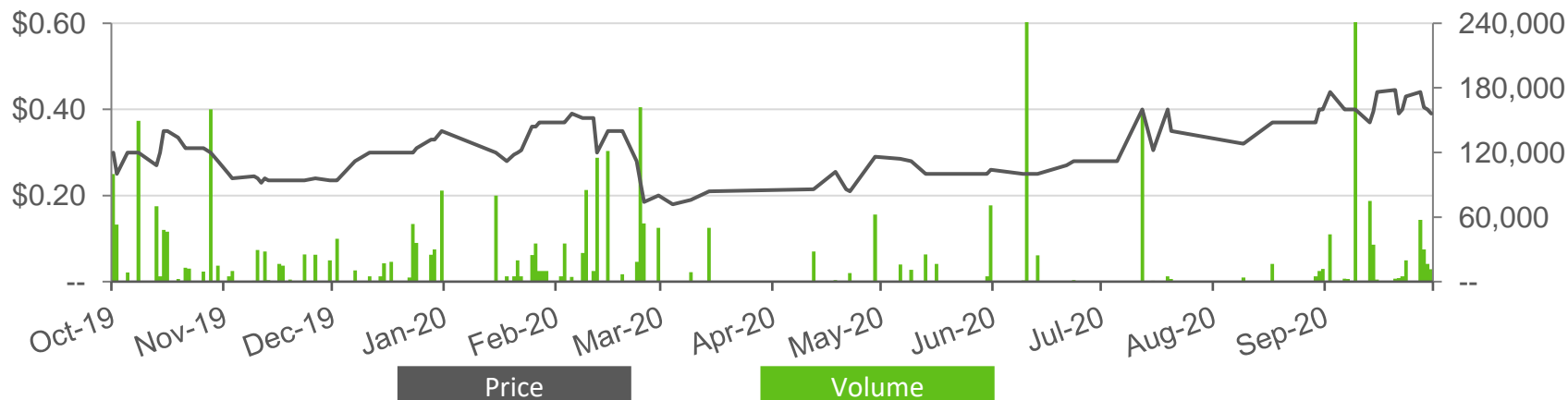
Note: Silasselka data is based on a historical non NI 43-101 resource figure.

# Capital Structure and Shareholders



Capital Structure	Shares (M)	Key Shareholders	% Owned
Basic Shares Outstanding	40.7	Aurion Resources	12.1%
Options Outstanding	2.0	Lumina Group Management	11.0%
Warrants Outstanding (\$0.55 strike)	3.6	Ross Beaty	9.1%
<b>Fully Diluted Shares Outstanding</b>	<b>46.3</b>	Magnus Minerals	6.1%
<b>Share Price (October 23)</b>	<b>\$0.39</b>	Medalist Capital	3.9%
<b>Basic Market Cap.</b>	<b>C\$15.9M</b>	<b>Total</b>	<b>42.2%</b>
<b>Cash Balance (June 2020 + Financing)</b>	<b>C\$3.0M</b>		

## Share Price and Volume – Last Twelve Months





- In July 2020, Strategic closed the acquisition of the Mustavaara Mine
  - Announced 43-101 resource in September 2020
- Mustavaara is a large vanadium-iron-titanium deposit, which was mined by the Finnish state company Rautaruukki Oy between 1976 and 1985
  - The vanadium produced from Mustavaara and the nearby Otanmäki deposit accounted for approximately 10% of the world vanadium production at that time
- A positive JORC Pre-Feasibility Study was completed in 2012, which is now historical
  - 30-year mine life
  - Based on 97Mt of material
  - 4,600 tpa of vanadium metal in ferrovanadium
  - 324 ktpa of pig iron production
- 43-101 PEA study planned for H1 2020

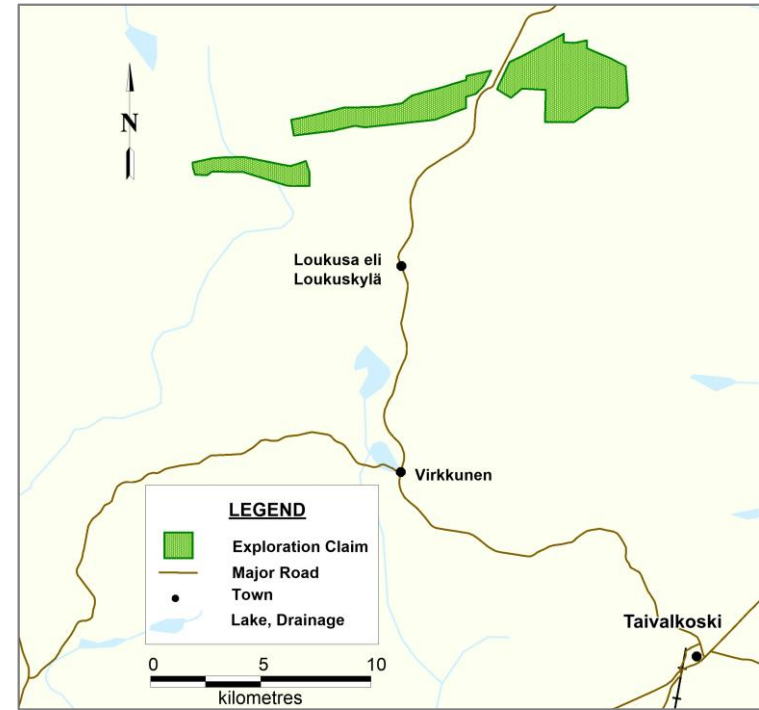


*Aerial photo from Rautaruukki processing plant in 1976.*

# Mustavaara Overview



- The Mustavaara Project is located in north-central Finland, approximately 179 km northwest of Oulu and 650 km north of Helsinki
- Access to the property is provided by paved highways and a gravel road to the property
- Consists of three reservations totalling ~2,650 ha
- Approximately 10,000 metres of drilling over 73 holes has been completed on the property
- One area previously mined, remaining NI 43-101 compliant M&I resource totaling 104 Mt @ 15.4% magnetite and 0.90% vanadium in concentrate
- Historic mining reached a max depth of 50 metres along a 1,000 metre corridor before ceasing due to low metal prices of ~US\$1.50/lb  $V_2O_5$
- Vanadium-rich magnetite zones located along an 18 km long magnetic anomaly – *Large scale potential along strike*
  - Simple magnetic separation upgrade anticipated





## Mineral Resource Estimate Summary (11.0% magnetite cut-off grade)

Resource Class	Million Tonnes	Average Grade				Contained Metal		
		Magnetite (%)	VinMC <sup>(1)</sup> (%)	Ti <sup>(2)</sup> (%)	Fe <sup>(2)</sup> (%)	VinMC <sup>(1)</sup> (kt)	Ti <sup>(2)</sup> (kt)	Fe <sup>(2)</sup> (kt)
Measured	64.0	15.41	0.91	3.75	63.3	90	370	6,244
Indicated	39.7	15.27	0.88	3.53	62.8	53	214	3,805
<b>Total M&amp;I</b>	<b>103.7</b>	<b>15.36</b>	<b>0.90</b>	<b>3.67</b>	<b>63.1</b>	<b>143</b>	<b>584</b>	<b>10,049</b>
Inferred	42.2	15.11	0.92	3.75	62.3	59	239	3,971

## Sensitivity of Measured + Indicated Mineral Resource to Cut-Off Grade

Cut-Off Magnetite (%)	Million Tonnes	Average Grade				Contained Metal		
		Magnetite (%)	VinMC <sup>(1)</sup> (%)	Ti <sup>(2)</sup> (%)	Fe <sup>(2)</sup> (%)	VinMC <sup>(1)</sup> (kt)	Ti <sup>(2)</sup> (kt)	Fe <sup>(2)</sup> (kt)
8.0	107	15.17	0.9	3.64	63.2	146	593	10,281
10.0	106	15.26	0.9	3.65	63.2	146	590	10,291
<b>11.0</b>	<b>104</b>	<b>15.36</b>	<b>0.9</b>	<b>3.67</b>	<b>63.1</b>	<b>143</b>	<b>584</b>	<b>10,049</b>
12.0	95	15.71	0.9	3.72	63.0	134	555	9,394
14.0	67	16.81	0.9	3.80	62.9	102	430	7,115

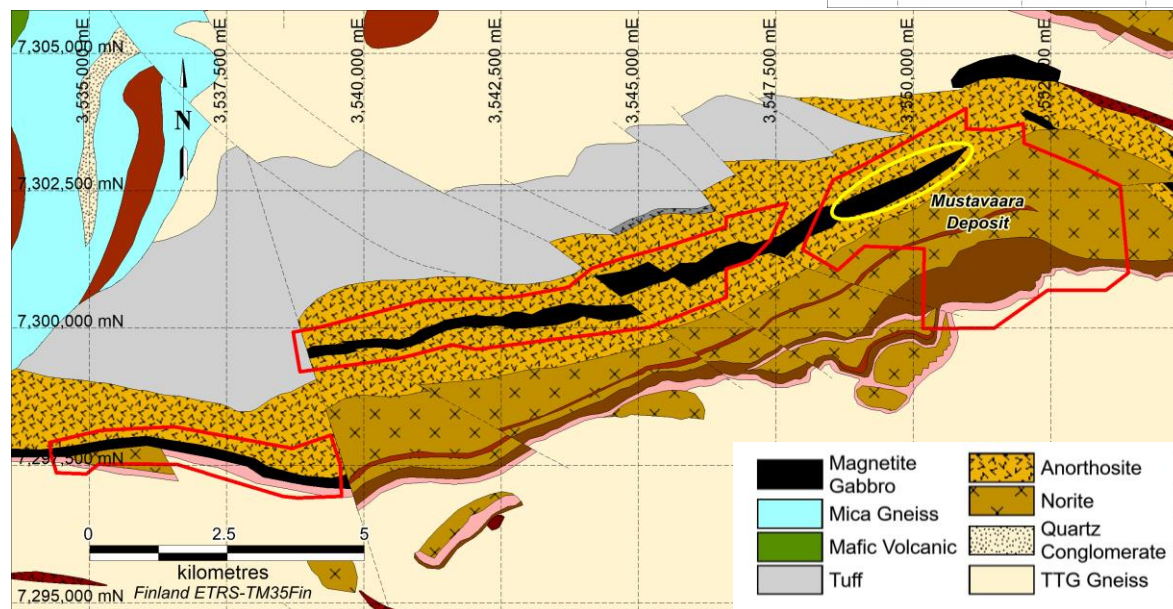
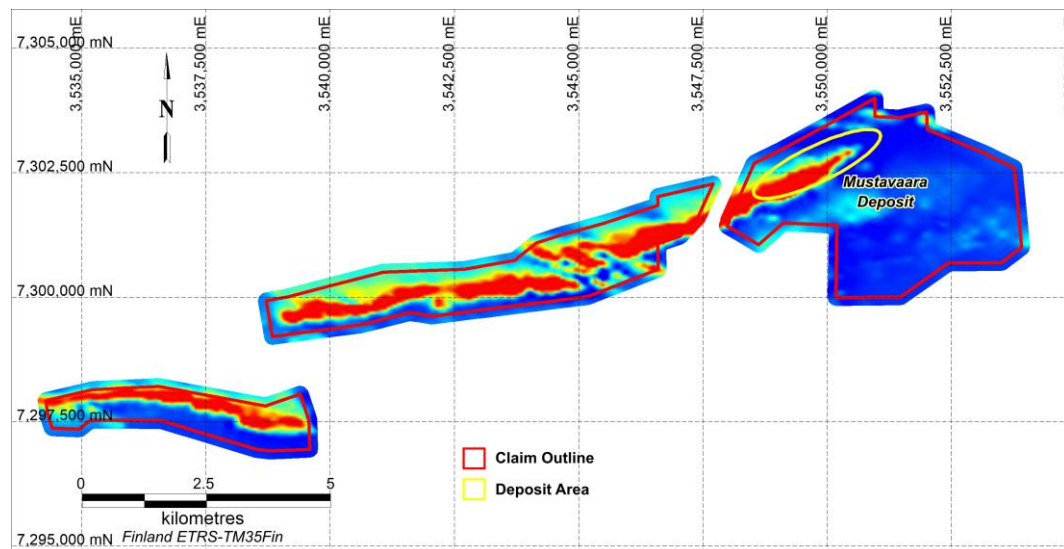
Note: The mineral resource estimate has an effective date of September 14, 2020. Metal prices used: Pig Iron US\$350.00 per tonne, Ferrovandium US\$30.00 per kilogram. (1) The weight percent of vanadium retained in the magnetic fraction is reported as VinMC (Vanadium in Magnetic Concentrate) and can be correlated with magnetically recovered vanadium grades in large scale magnetic separation plants. This work has indicated that the magnetite content could be upgraded by a factor of six. (2) Ti (titanium) and Fe (iron) grades and contained metal values are stated in recovered magnetite concentrate post upgrading.



# Mustavaara Geology



- Located in the north-central Koillismaa layered complex
- Deposit occurs along the east-west striking Porttivaara layered intrusion with different degrees of metamorphism
- Vanadium, titanium and iron can be found in a magnetite-gabbro layered intrusion

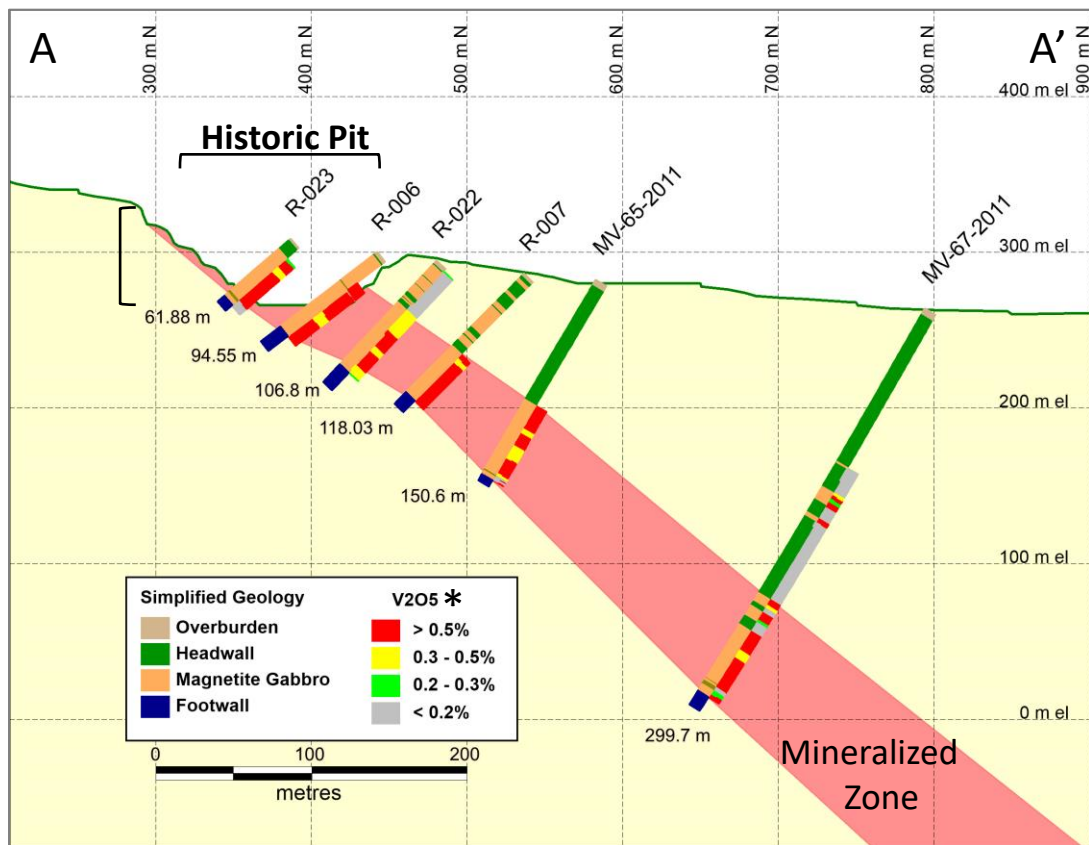




# Mustavaara Cross Section



- Approximately 10,000 metres of drilling over 73 holes has been completed on the property
- The mineralized zones range in thickness from 10 m to 130 m with a deposit average of 60 m and dip 40 degrees to the north
- The vanadium-rich zone remains untested at depth and along strike of the mine, 10 km of the magnetic anomaly remains untested



\* In magnetite concentrate



- The Silasselkä Project is located in northern Finland, approximately 190 km north of Rovaniemi and 850 km north of Helsinki
- Access to the property is provided by paved highways and a network of gravel forestry roads
- Consists of 7 claims, 4 exploration licenses and 2 exploration reservations totalling ~25,900 ha
- 4 deposits identified, with a historical non NI 43-101 compliant proven and probable resource totaling 8.3 Mt @ 0.61% V<sub>2</sub>O<sub>5</sub>
- Historical drilling defined four vanadium-rich magnetite zones located along a 16 km long magnetic anomaly – *Large scale potential along strike*
  - Simple magnetic separation upgrade anticipated
- Approximately 7,400 metres of drilling over 72 holes has been completed on the property



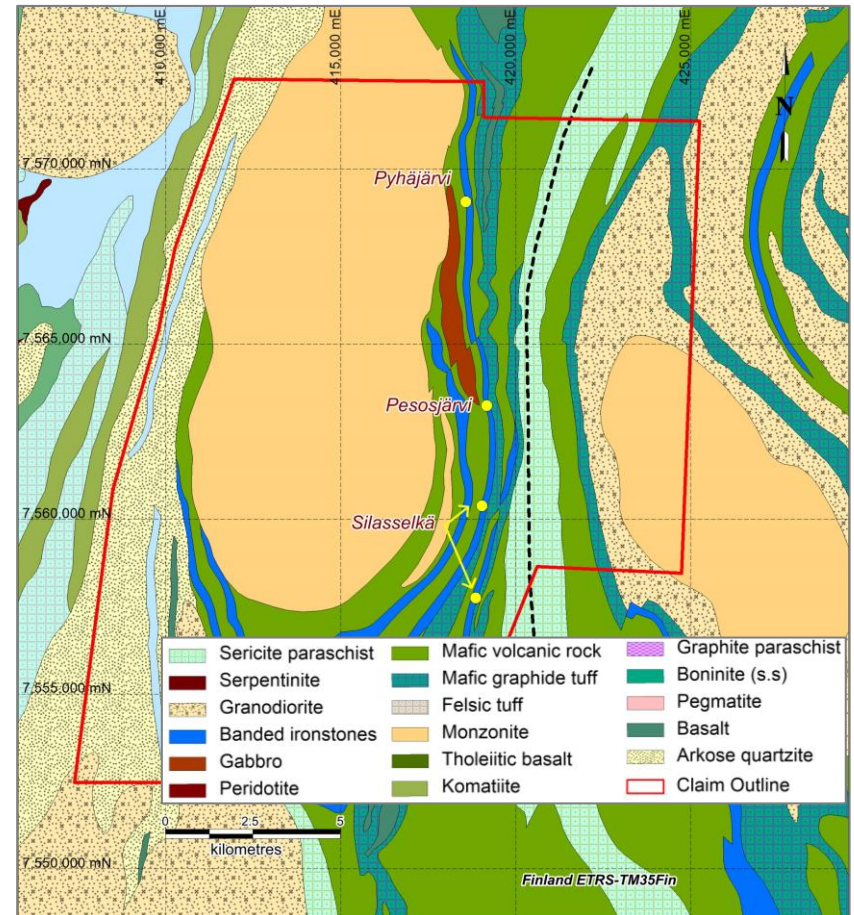
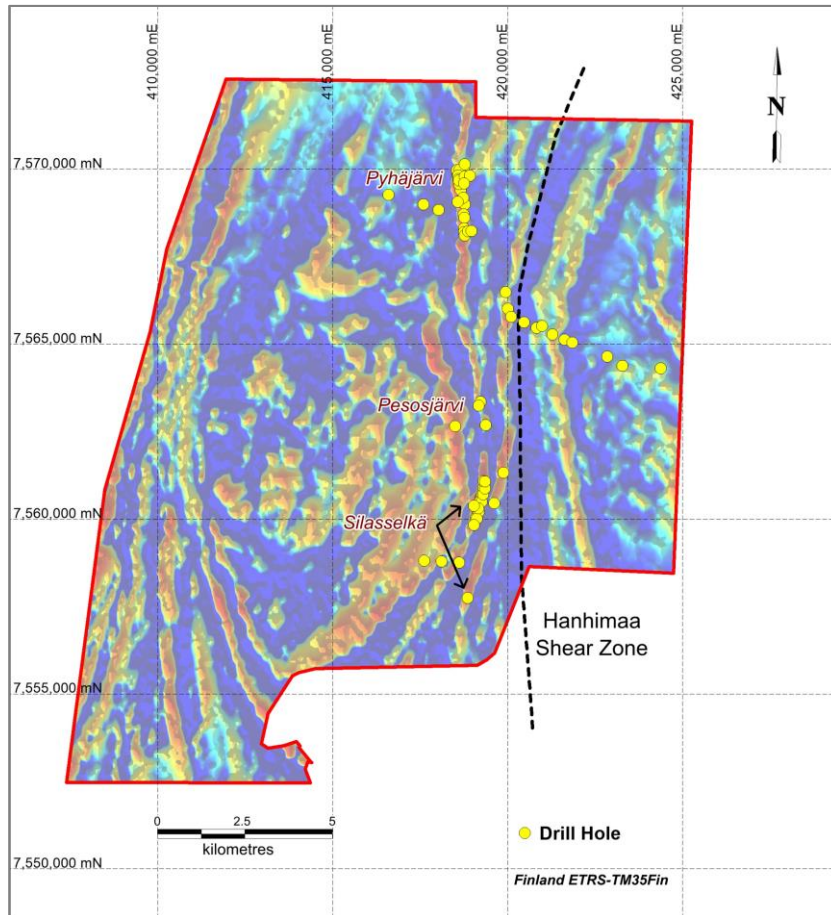


- Aurion will grant Strategic the option to acquire a 100% interest in the Silasselkä Project
  - Issue 3,000,000 shares and pay C\$500,000 upon closing (complete, occurred June 10, 2019);
  - Issue an additional 1,916,667 shares before 12 months following the closing date (complete);
  - Issue an additional 1,916,667 shares before 24 months following the closing date; and
  - Issue 1,166,666 shares before 36 months following the closing date.
- Right to a board seat as long as Aurion holds >5% of the outstanding shares
- Right to keep pro rata interest post the initial financing and during the option period





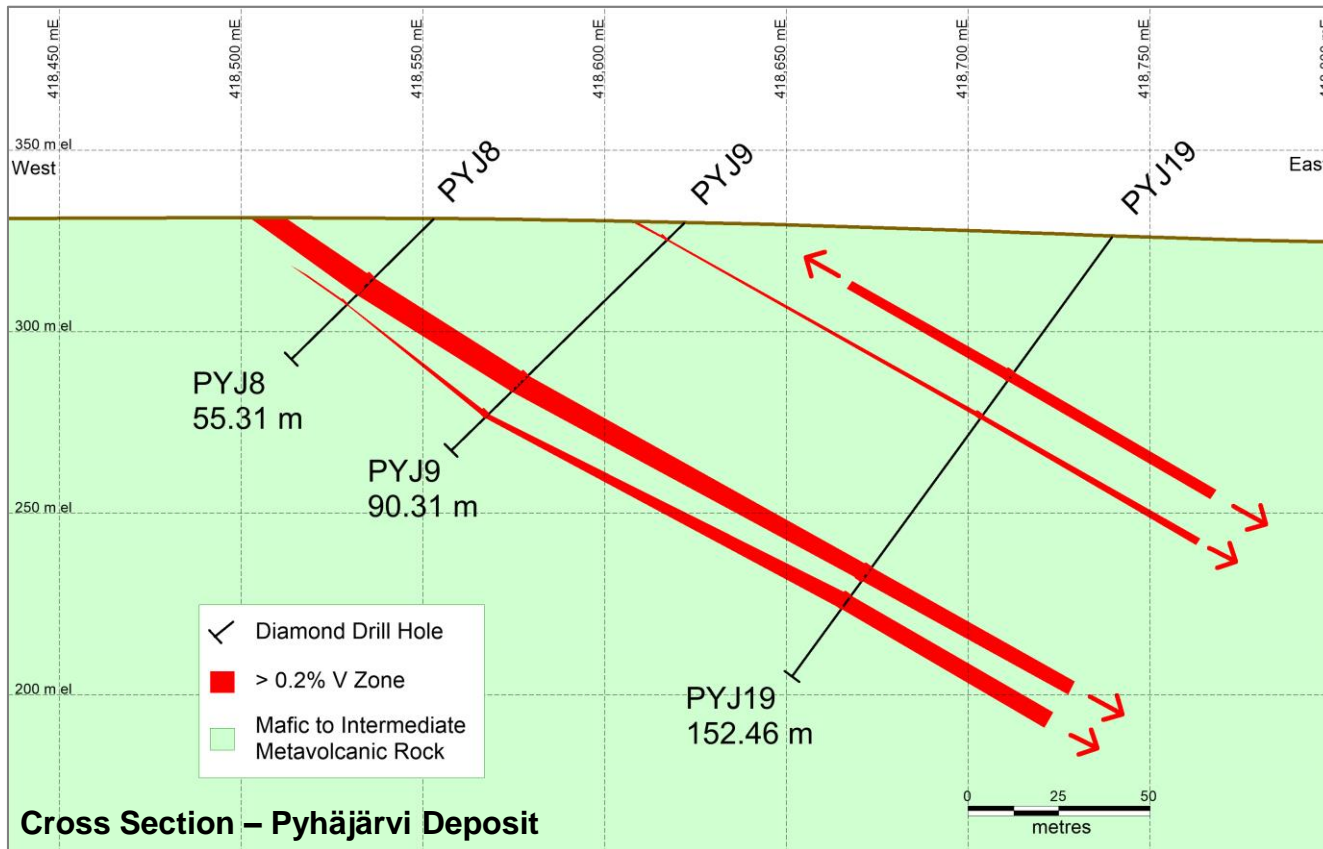
- Located in the northern part of the Central Lapland greenstone belt
- Deposits occur along a NS striking sequence of meta-mafic, metasedimentary and intrusive rocks with different degrees of metamorphism
- Vanadium, titanium and iron can be found in the magnetite rich layers of the banded sedimentary iron formation units



# Silasselkä Cross Section



- Approximately 7,400 metres of drilling over 72 holes has been completed on the property
- The mineralized zones range in thickness from a few centimetres to 10 m and dip 45 degrees to the east
- The vanadium-rich zones remain untested at depth and along strike of the known deposits, 11km of the magnetic anomaly remains untested





- Historical non NI 43-101 compliant resource

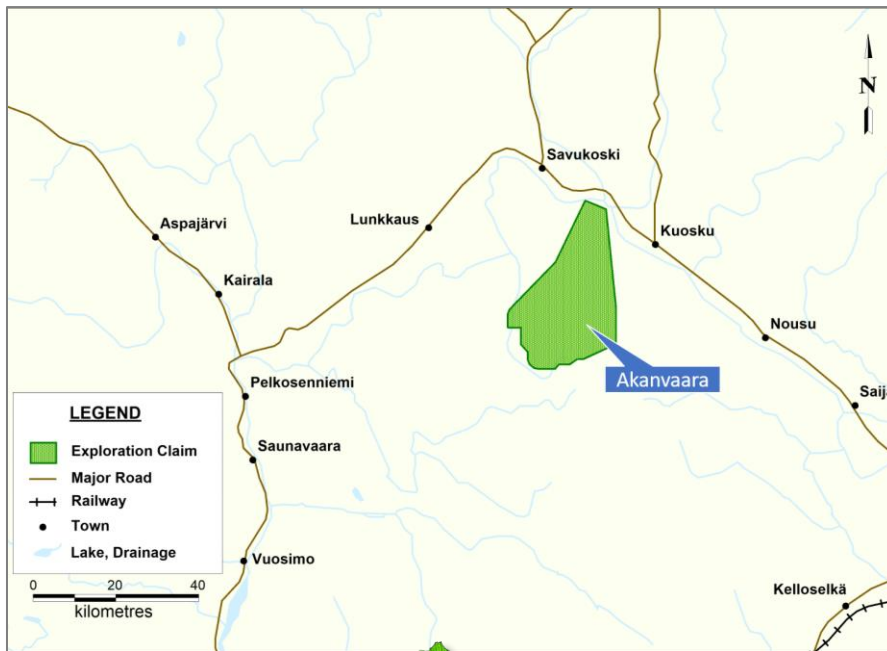
Deposit	Category	Lower Cutoff Value (V%)	Tonnes (Mt)	V (%)	V <sub>2</sub> O <sub>5</sub> (%)	V <sub>2</sub> O <sub>5</sub> (Mlb)
Pyhäjärvi	Proven	0.3	2.2	0.35	0.62	30.1
	Probable	0.3	5.0	0.35	0.62	68.8
	Possible	0.3	6.0	0.35	0.62	82
Kuusilaanivaara	Probable	0.3	0.3	0.40	0.71	3.91
Koivusilasselkä	Probable	0.3	0.9	0.30	0.53	9.93
Pesosjärvi	NS		0.7	0.22	0.39	6.02
<b>Total</b>			<b>15.1</b>	<b>0.34</b>	<b>0.61</b>	<b>200.8</b>

*Note: All estimates were prepared by Otanmaki Oy in 1968 and compiled in Hanes (2013).*





- The Akanvaara Project is located in northern Finland, approximately 130 km north-east of Rovaniemi and 780 km north of Helsinki
- A total land package of 9,826 ha, with 298 of those hectares in the Exploration Permit stage
- Access to the property is provided by paved highways and a network of gravel forestry roads
- Approximately 17,400 metres of drilling over 112 holes has been completed on the property
- Strategic is earning a 100% interest in the Project from Magnus Minerals

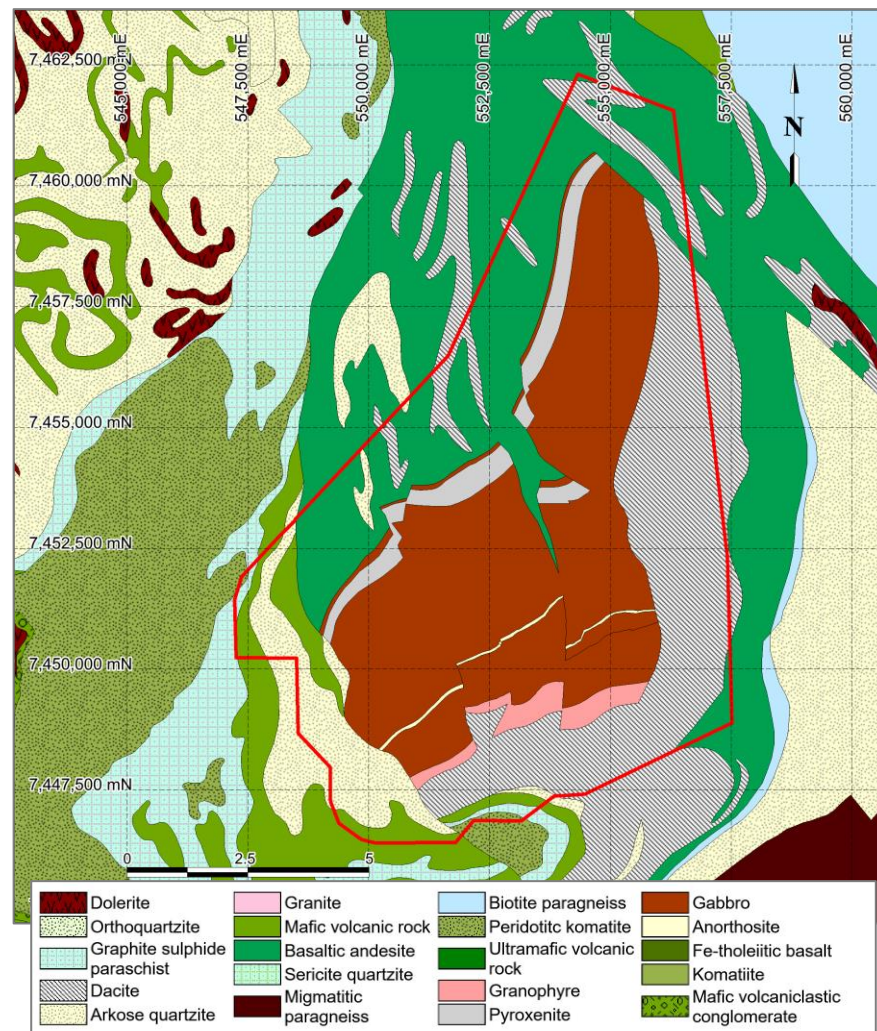
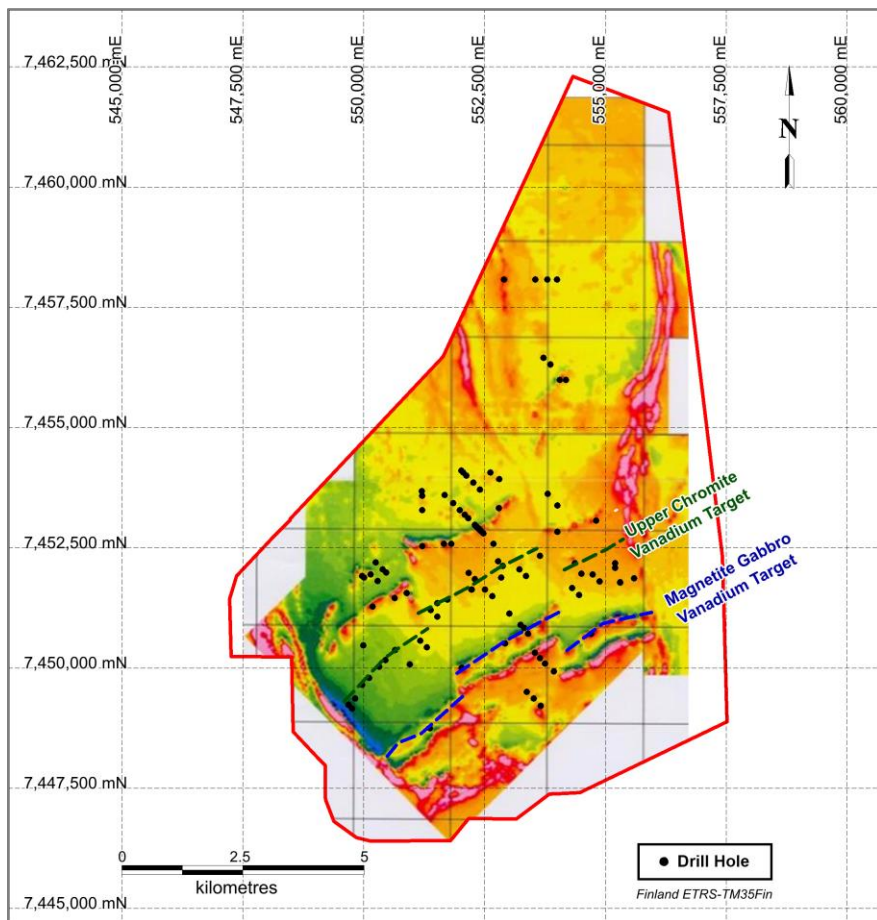




- Magnus will grant Strategic the option to acquire up to a 100% interest in the Akanvaara Project
- First option to acquire a 70% interest
  - Issuing 2.5M shares and 25% of the value of the shares in cash to a maximum of C\$200,000
  - C\$750,000 of expenditures on the Project before 24 months from the Closing Date
  - Granting a 0.7% NSR on the Project
- Second option to acquire a 30% interest
  - Issuing an additional 0.7M Strategic shares
  - C\$1,000,000 of expenditures on the Project before 36 months following the Closing Date
  - Granting a further 0.3% NSR (1% total NSR) on the Project
- Right to a board seat as long as Magnus holds >5% of the outstanding shares



- The Akanvaara intrusion is classified as a layered intrusion located in the eastern part of the Fennoscandian Shield
- High grade vanadium mineralization is hosted in Magnetite Gabbro layers and is associated with chromite in Upper Chromite layers – *Potential V-bearing units are 6 km long*



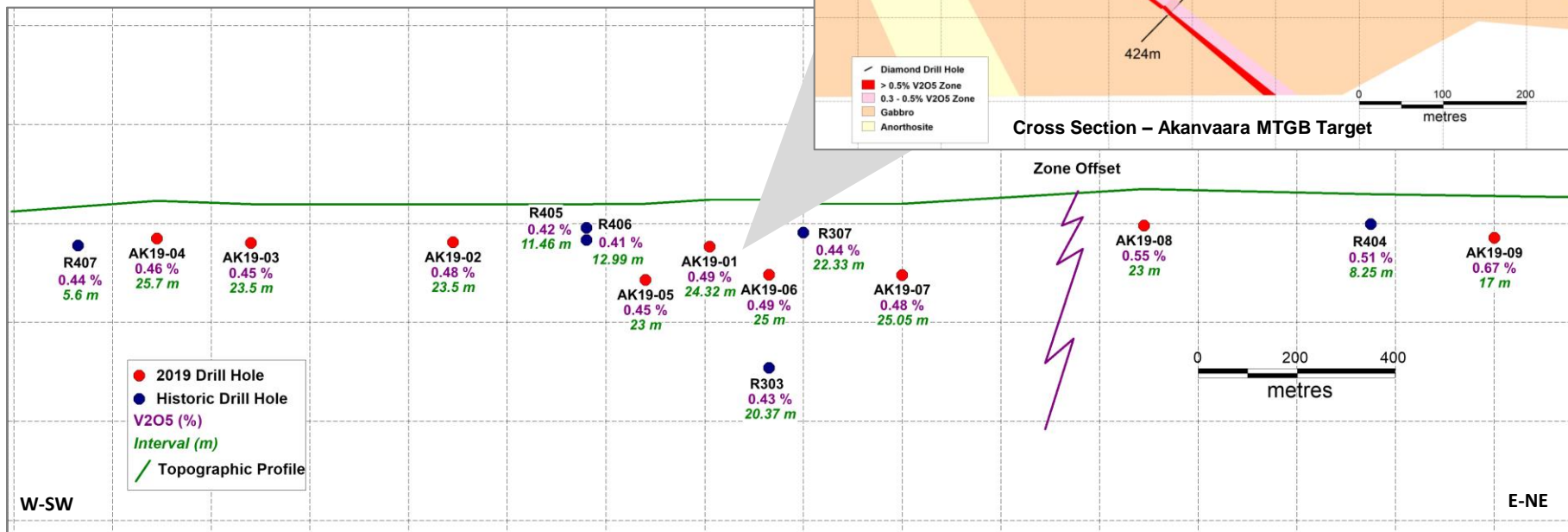


# Akanvaara Drilling History



- Between 1993-2003, 117 holes were drilled on the Akanvaara Project
- Most of the drilling was targeting chromium mineralization, vanadium was not the main drill target
- Six historic holes successfully tested high grade vanadium mineralization within the Magnetite Gabbro
- 2019 drilling (1,159 metres) successfully tested and outlined a 3 kilometre strike length

## Long Section – Akanvaara MTGB Target



# Why Peru?



- Historically the largest producer of vanadium (Mina Ragra 1906-1955)
- The Lumina Group / Strategic's management has deep in-country connections and working history
- Low cost grassroots staking
- No systematic country wide vanadium exploration since the closure of Mina Ragra - once the worlds largest and highest grade vanadium producer
- Numerous other historic producing mines in area
- Mining friendly jurisdiction





Appendix





Director	Biography
<p><b>Scott Hicks</b> <i>CEO</i></p>	<p>Mr. Hicks was previously an investment banker working with RBC Capital Markets and BMO Capital Markets on their respective mining teams. He also served as VP Corporate Development and Communications of Anfield Gold, which was consolidated into Equinox Gold. He currently serves as the VP Corporate Development and Communications of Lumina Gold and Luminex Resources. Over the last decade he has worked on a variety of equity, debt and advisory assignments while working in Canada and Australia. Mr. Hicks holds a Bachelor of Commerce with Honours from the University of British Columbia.</p>
<p><b>Mark Serdan</b></p>	<p>Over 20 years' experience working in the capital markets industry where he specialized in evaluating resource companies. Prior to becoming CFO at Aurion Resources, he was a Portfolio Manager for ~15 years at BMO Asset Management and UBS Global Asset Management, where he was responsible for making investments in the resource sector. He previously worked 5 years at BMO Nesbitt Burns as an Investment Banker and a Research Associate. Mr. Serdan has an Honours Bachelor of Commerce degree and holds the Chartered Professional Accountant (CPA) and Chartered Accountant (CA) designations.</p>
<p><b>Michael Moore</b></p>	<p>British Columbia registered professional geologist with a B.Sc. geology degree (1989) from Carleton University (Ottawa ON). He is a third generation miner with +25 years of field work and project management experience working on (i) a wide range of gold-copper deposit types in North and South America, (ii) Achaean nickel-PGM deposits in Nunavut, (iii) manto-type carbonate replacement base metals, (iv) low sulphidation epithermal gold systems in Mexico, (v) uranium and tungsten mineralization in various Canadian provinces and (vi) intrusion-related gold and copper-gold systems in northwest Canada.</p>
<p><b>Timo Mäki</b></p>	<p>Most recently the Chief Geologist at the Pyhäsalmi Mine, where he worked from 1988-2018. Discovered the Mullikkoräme zinc deposit in 1987 and Pyhäsalmi deep in 1996. Currently on the scientific advisory board of the K.H.Renlund Foundation and the EU Horizon 2020 project "Next". Served on the board of the Finnish Mining Association from 2013-2016. Mr. Mäki has a Master's of Science (Geology and Mineralogy) from the University of Turku.</p>

# Peru Concessions – Strat 2 to Strat 4

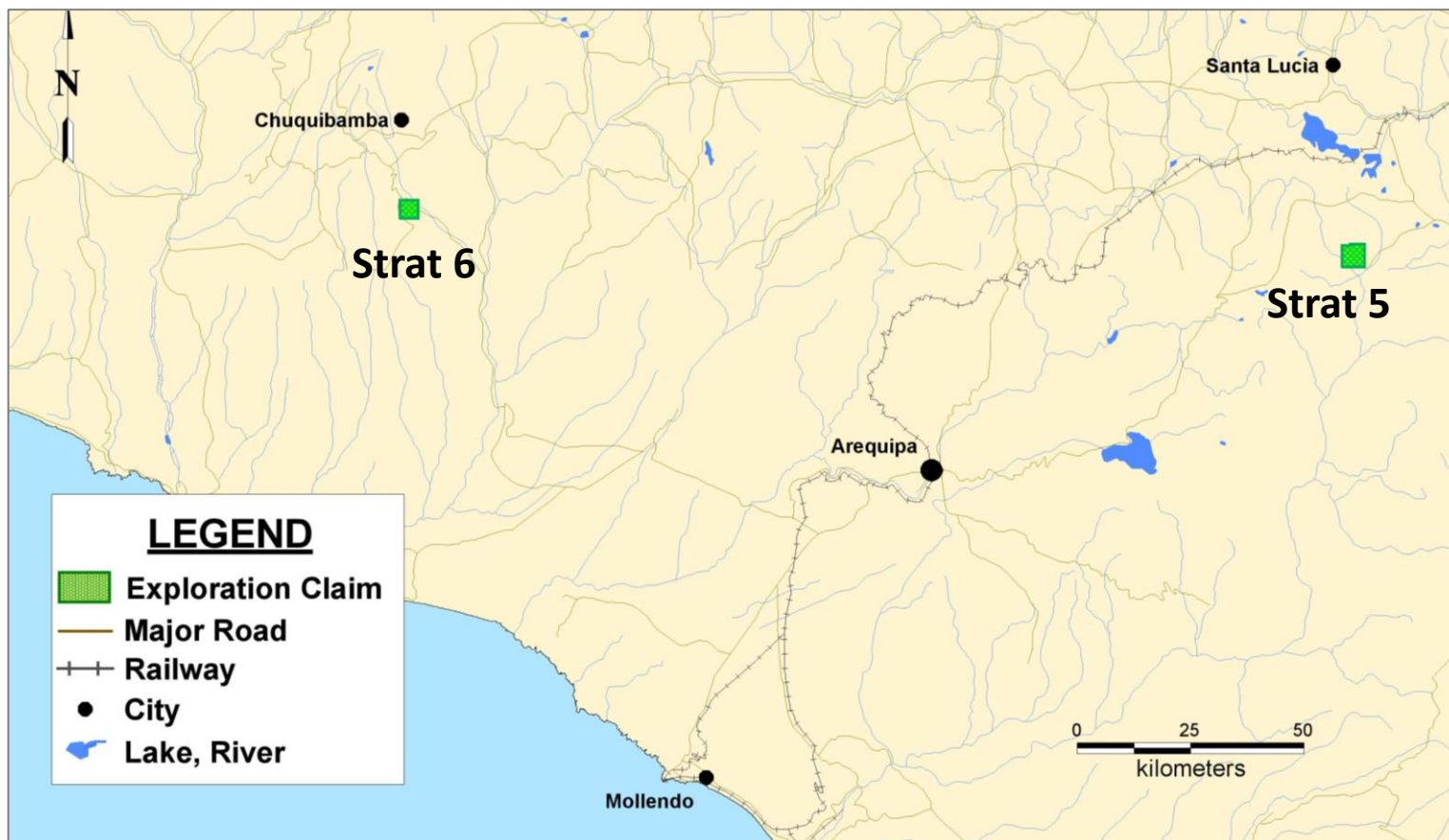


- Strat 2: (1,605 ha)
  - Stream anomaly 700ppm V
  - Colour anomaly on sat photo
  - 42km from nearest port
- Strat 3: (2,191 ha)
  - 7km SE on strike from Mina Ragra
  - Colour anomaly on sat photo
  - 12km from major highway
- Strat 4: (1,203 ha)
  - V stream anomalies
  - Nearby V showings
  - 7km from major highway





- Strat 5: (2,436 ha)
  - V stream anomalies (highest 544ppm V)
  - Colour anomaly in sat photos
  - Within 12km of highway
- Strat 6: (1,600 ha)
  - V stream anomalies (highest 531ppm V)
  - Colour anomaly in sat photos
  - Access via minor highway 1km away







- Located 7km from Strat 3
- Vanadium discovered in 1905
- Mined from 1906-1955
- Up to 75% of the world's Vanadium was produced here when the mine was in operation
- 43,023 tons of Vanadium mined from a small 260m x 120m open pit with grades up to 7% V
- Total production of  $V_2O_5$  estimated at \$548M in today's dollars





Aurora Borealis – Finland

TSX.V: **SR**



[info@strategic-res.com](mailto:info@strategic-res.com)  
[www.strategic-res.com](http://www.strategic-res.com)

**HEAD OFFICE:**

410 – 625 Howe Street  
Vancouver | BC | V6C 2T6  
Canada

T: +1 (640) 646 1890  
F: +1 (604) 687 7041