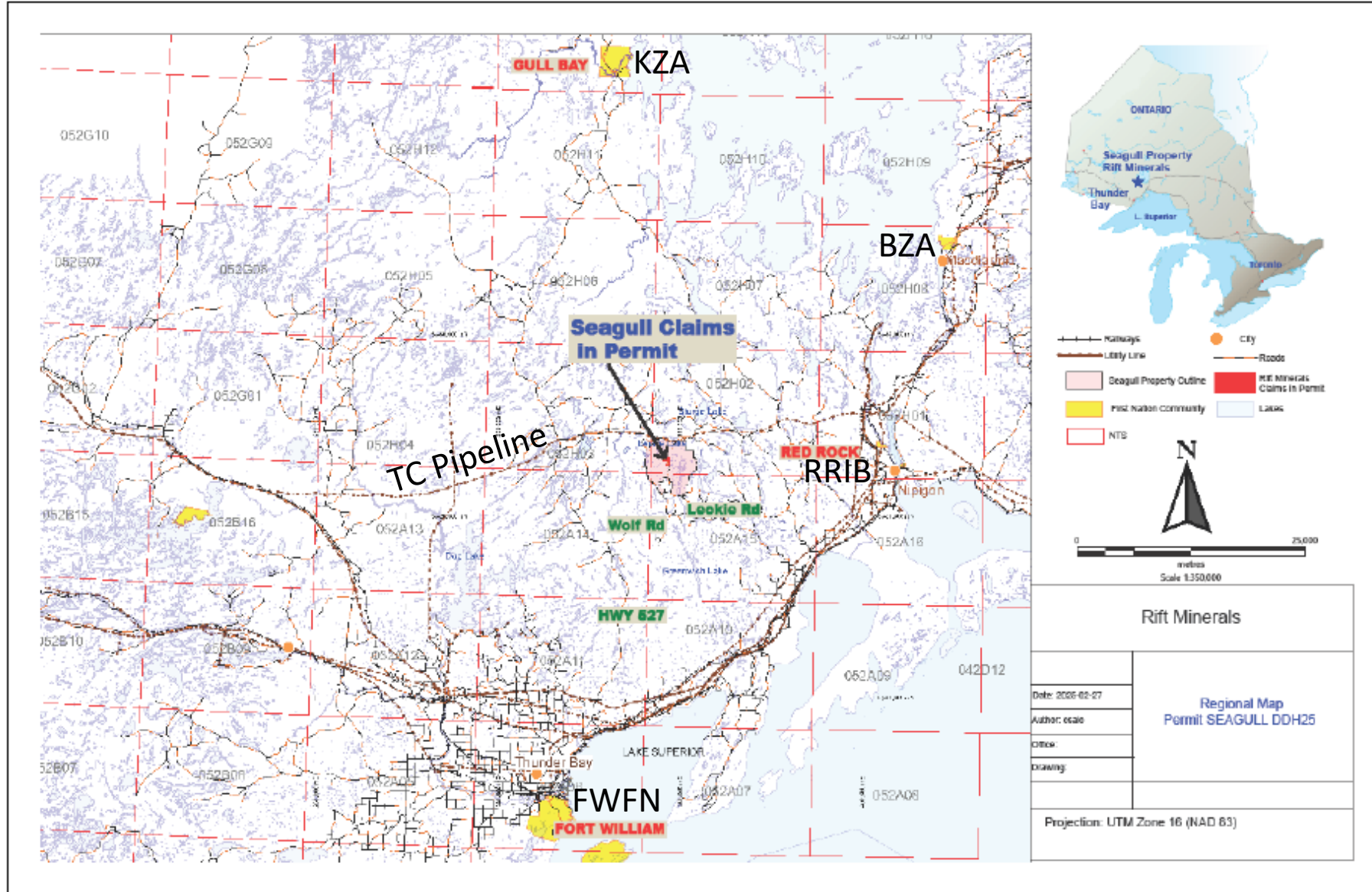
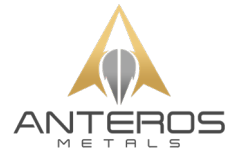
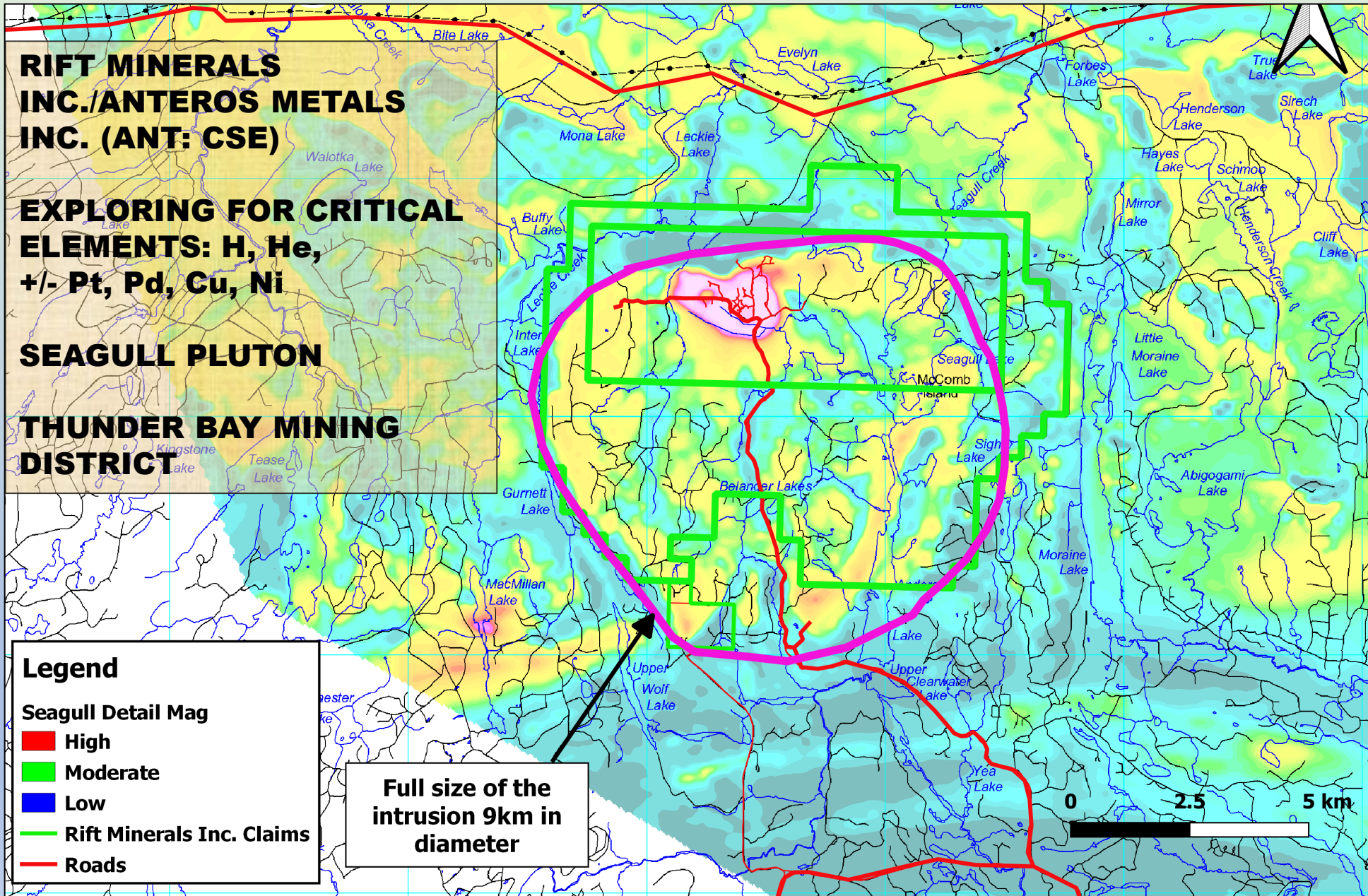


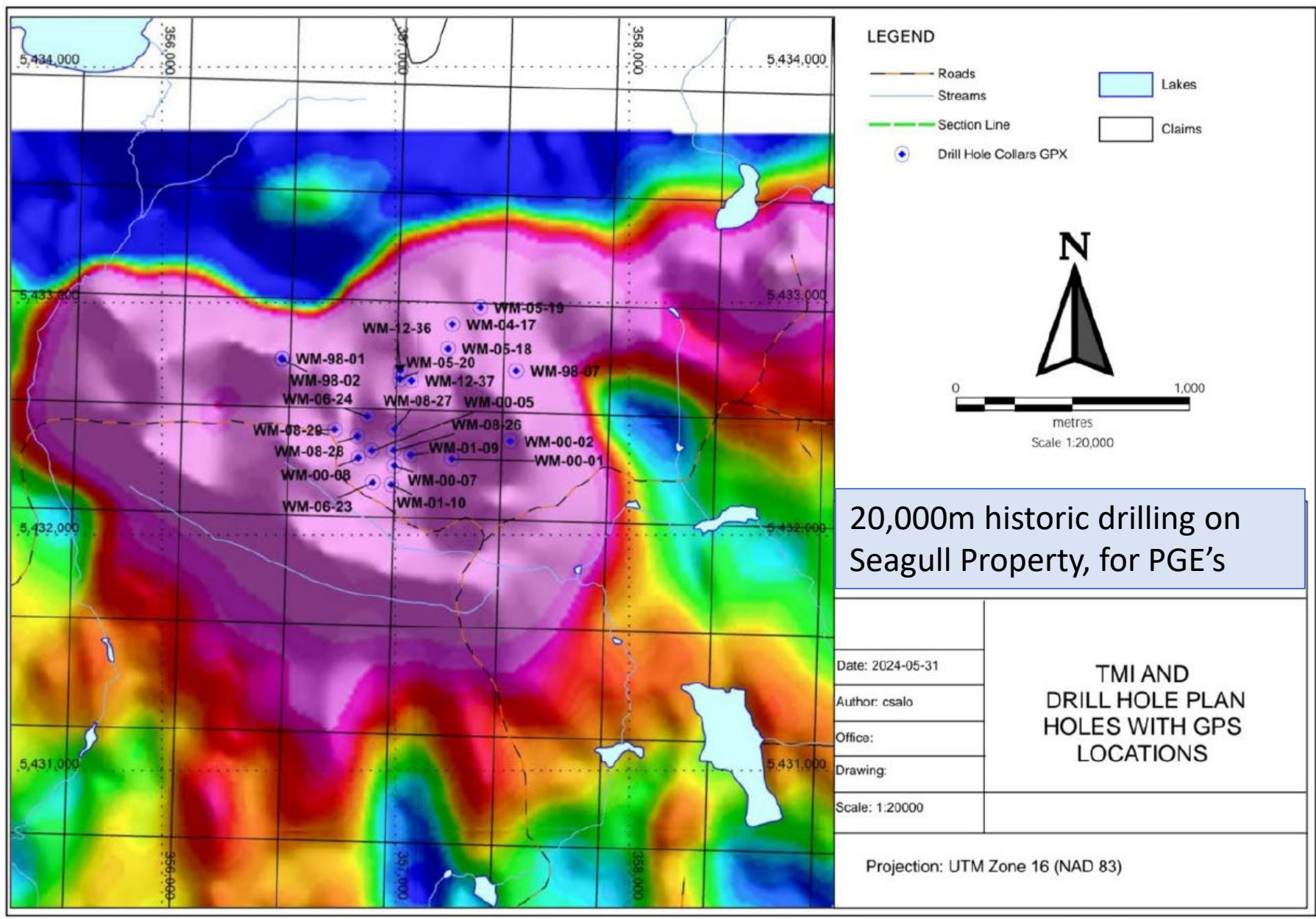


THE RIFT MINERALS INC. STORY UNFOLDS 80km NE OF THUNDER BAY, ONTARIO

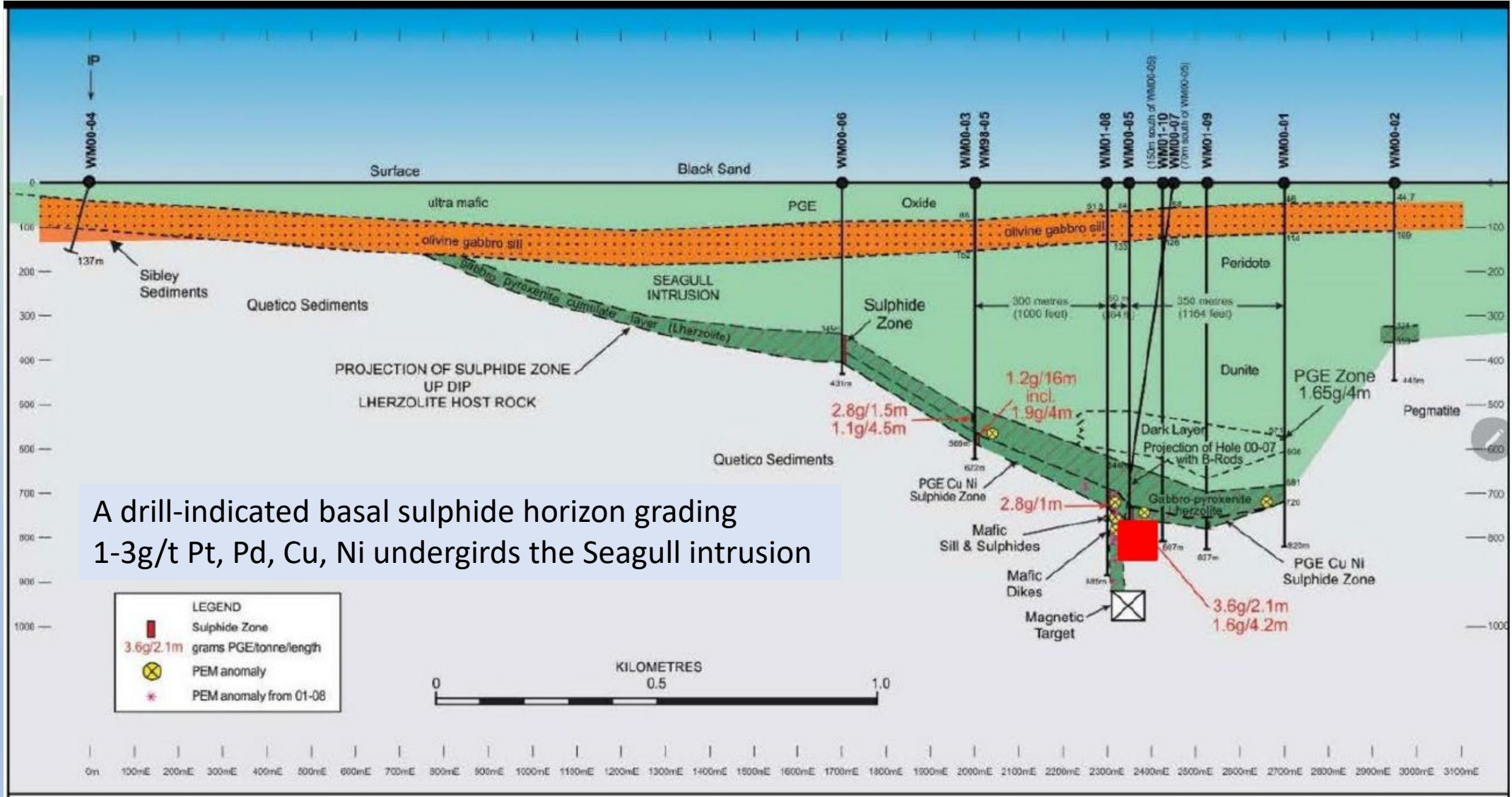
HYDROGEN, HELIUM AND PGE's



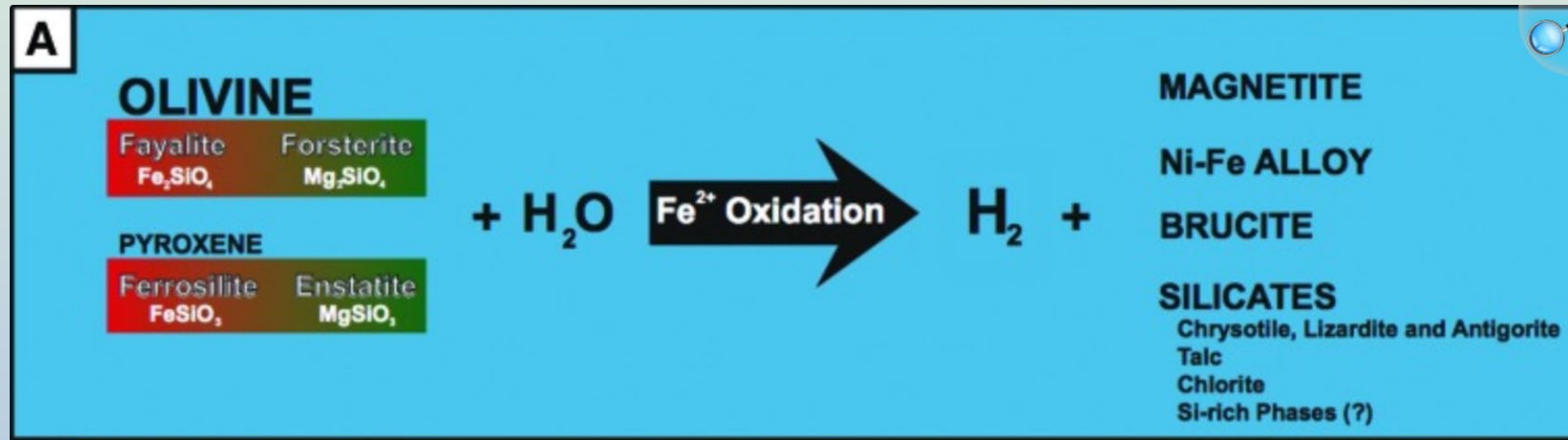




Historic Section – Seagull Pluton - 2009

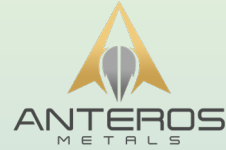


A drill-indicated basal sulphide horizon grading 1-3g/t Pt, Pd, Cu, Ni undergirds the Seagull intrusion

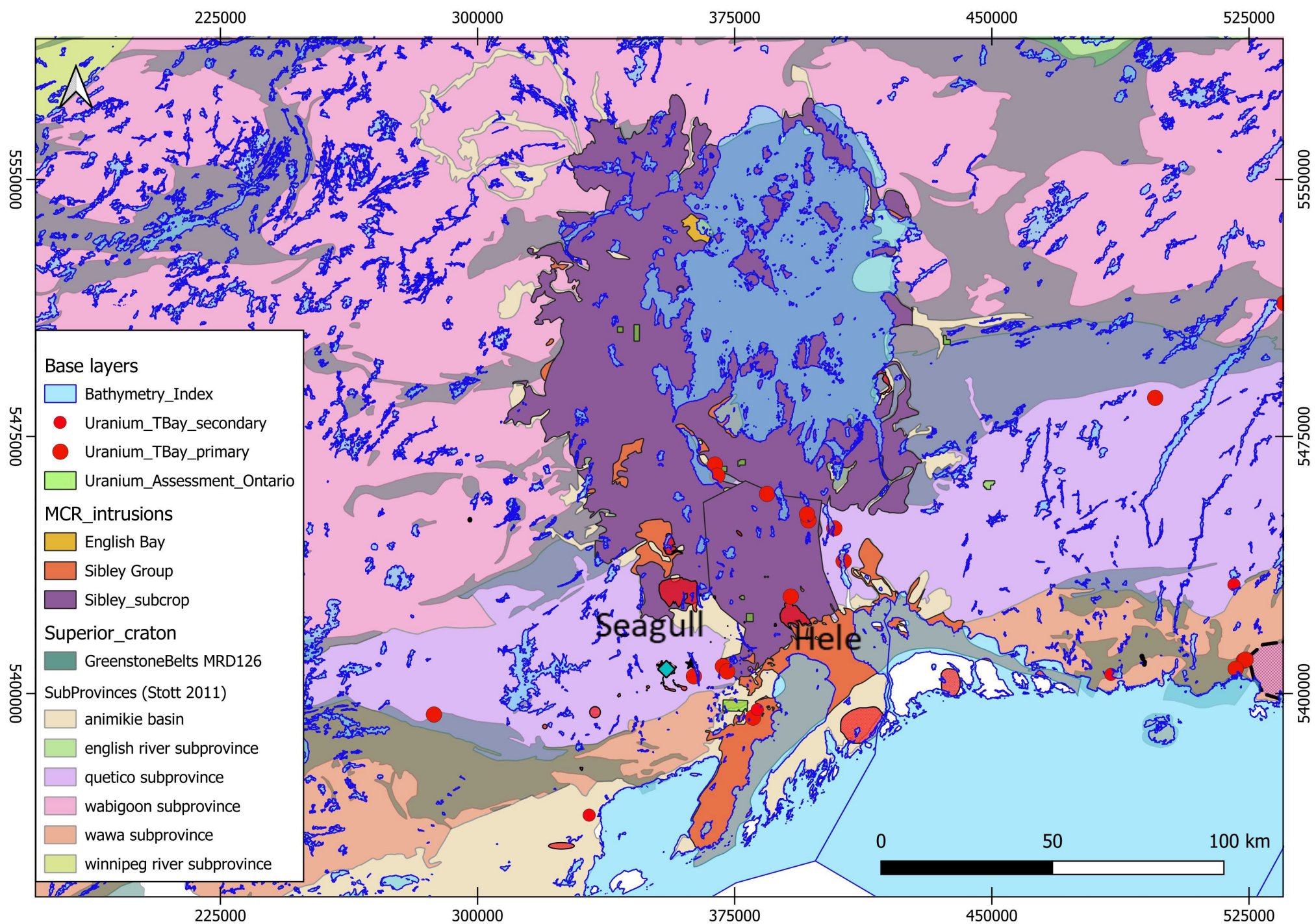


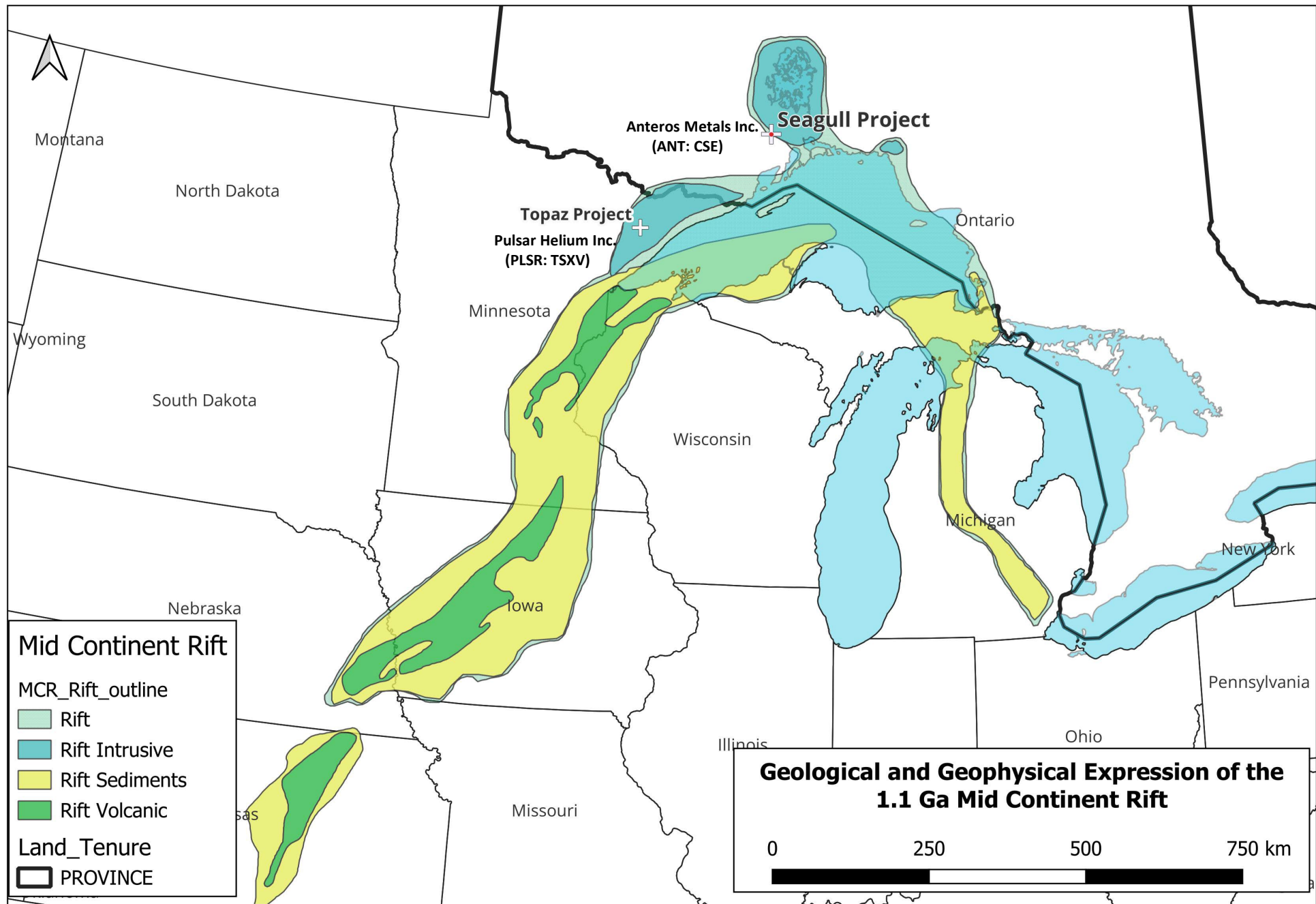
Serpentinization is the hydration-hydrolysis transformation of primary ultramafic rocks (**olivine/pyroxene**) into serpentine minerals, creating heat, methane (CH_4), hydrogen (H_2), and magnetite (Fe_3O_4). A key reaction is:





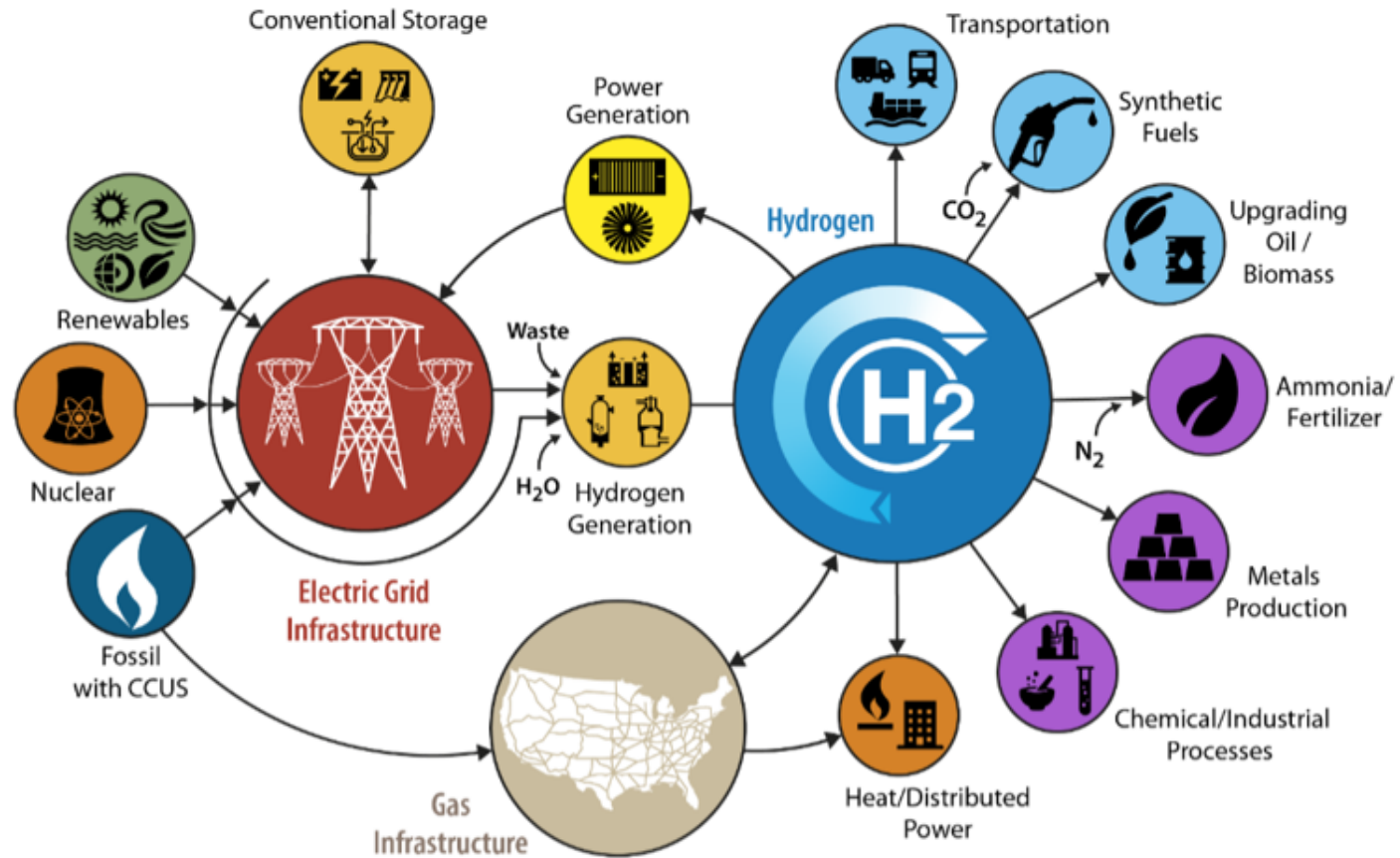
Helium is produced from uranium through natural radioactive decay, where uranium (U^{235} , U^{238}) emits alpha particles (helium-4, helium-3 nuclei; He) over a billion years, potentially forming commercial geological deposits.



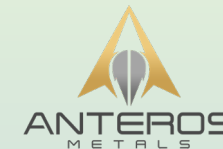


“Blue” Hydrogen – Cracked from methane (CH₄)
 “Green” Hydrogen – by Electrolysis of water – Zero Emissions
 “Golden” Hydrogen – Naturally Occurring – Zero Emissions

Conceptual H₂@scale (hydrogen at scale) energy system

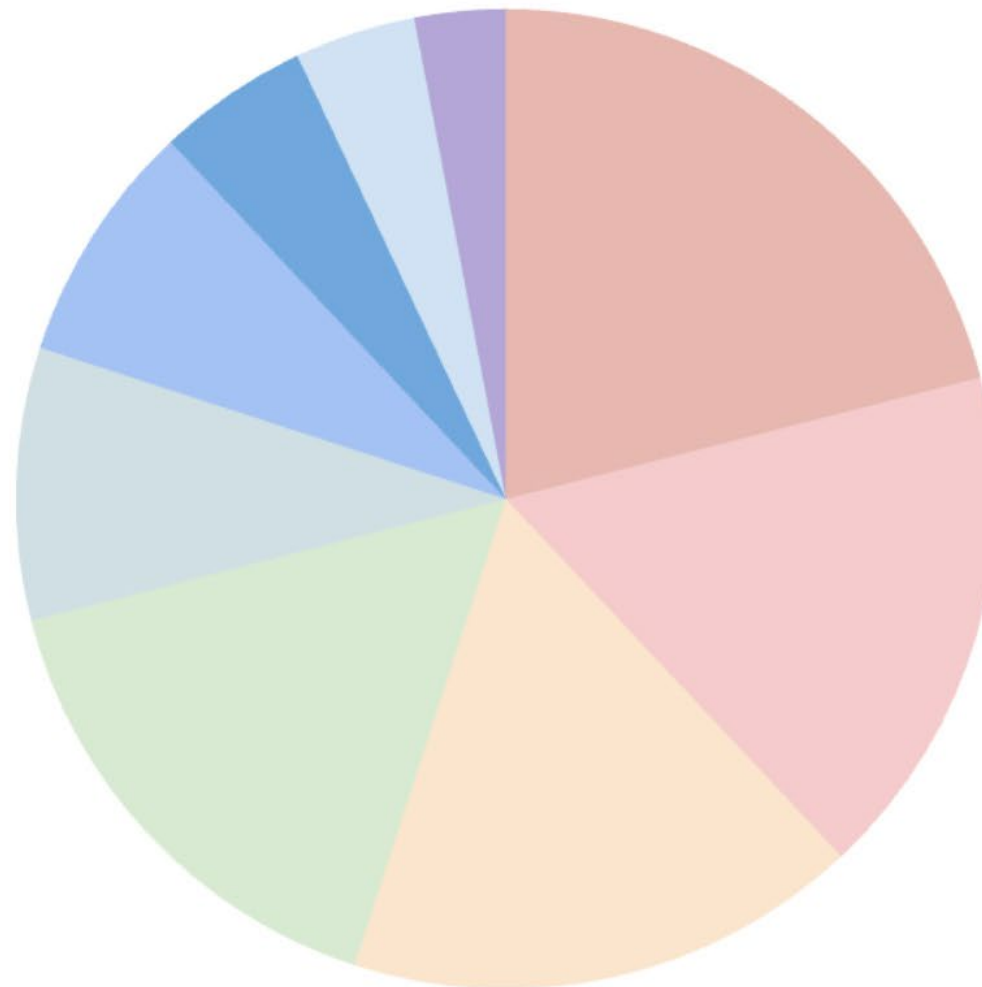


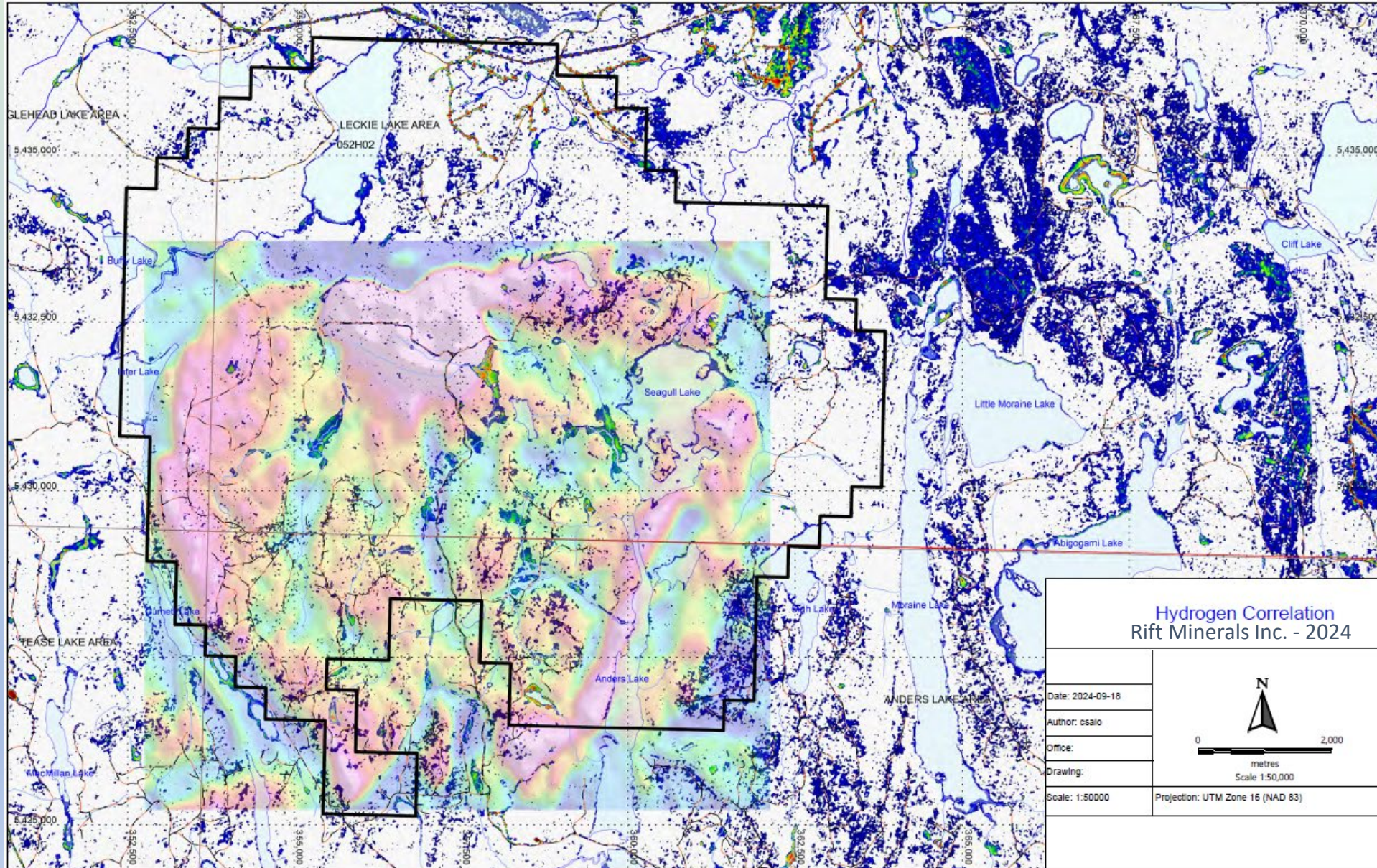
Source: U.S. Department of Energy, *Hydrogen Program Plan*, Figure 3, November 2020
 Note: CCUS is carbon capture, utilization, and storage.

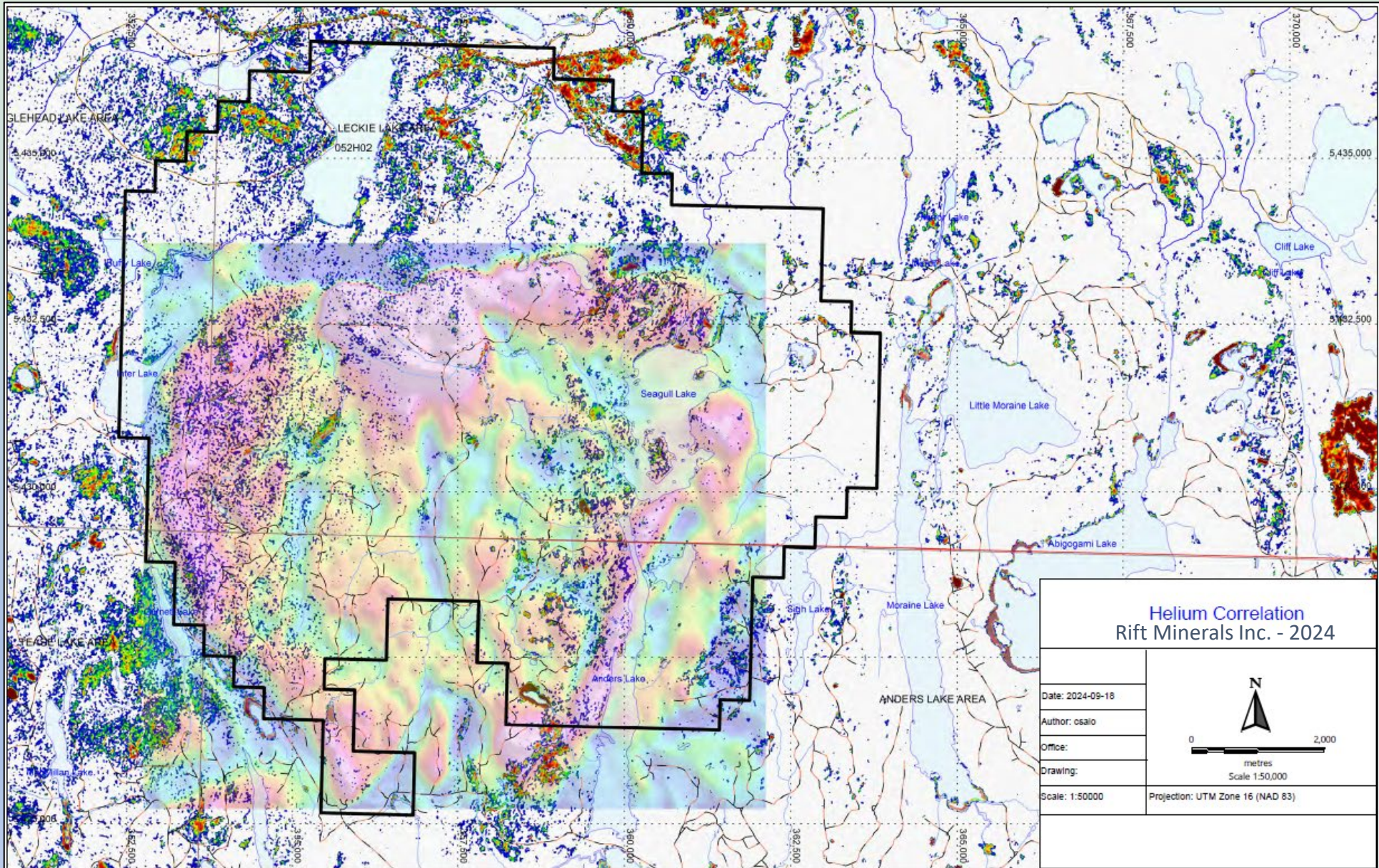


Helium Uses in 2023 (USGS)

- Analytical, engineering, lab, science, and specialty gases (21%)
- Controlled atmospheres, fiber optics, and semiconductors (17%)
- Magnetic resonance imaging (17%)
- Lifting gas (16%)
- Aerospace, pressuring, and purging (9%)
- Welding (8%)
- Leak detection (5%)
- Diving (4%)
- Other (3%)



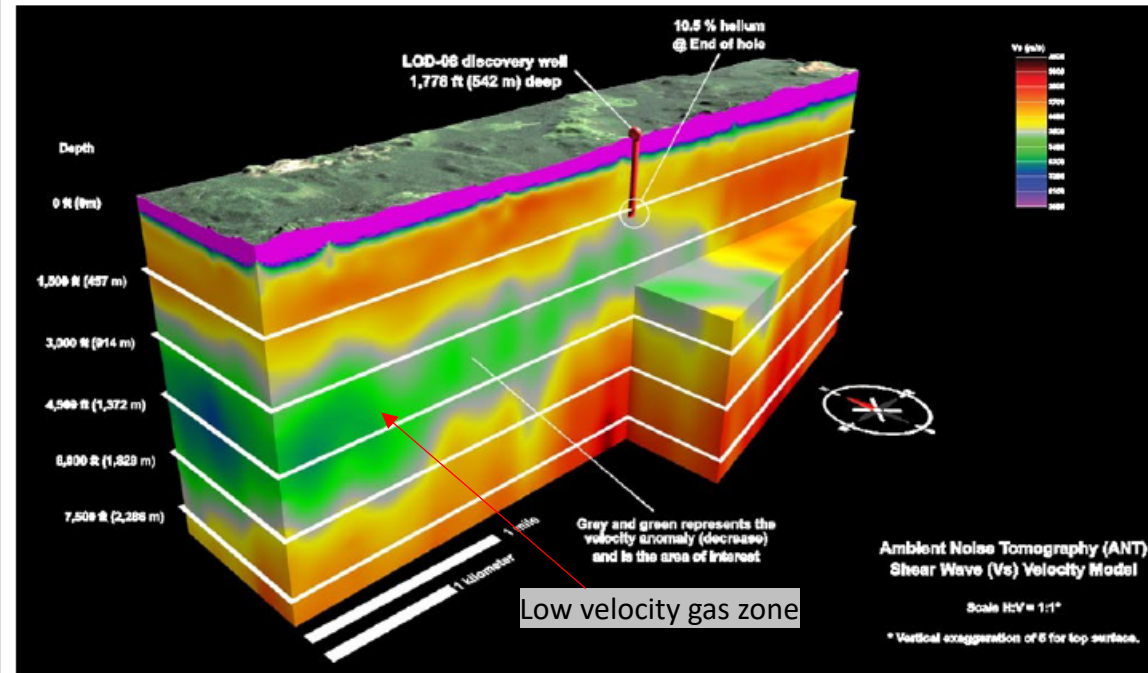




CORPORATE COMPARABLE – TOPAZ PROJECT - PULSAR HELIUM (PLSR: TSXV)

2024 work program

The Jetstream #1 appraisal well produced highly positive results from wireline logging, flow and pressure testing. As a result, Pulsar is now planning to deepen Jetstream by an additional 700m, as well as drill two step out wells within a 5km radius to substantiate liquid helium production. In addition, further seismic surveys will be conducted to add to the interpretation from a high-resolution airborne gravity survey.



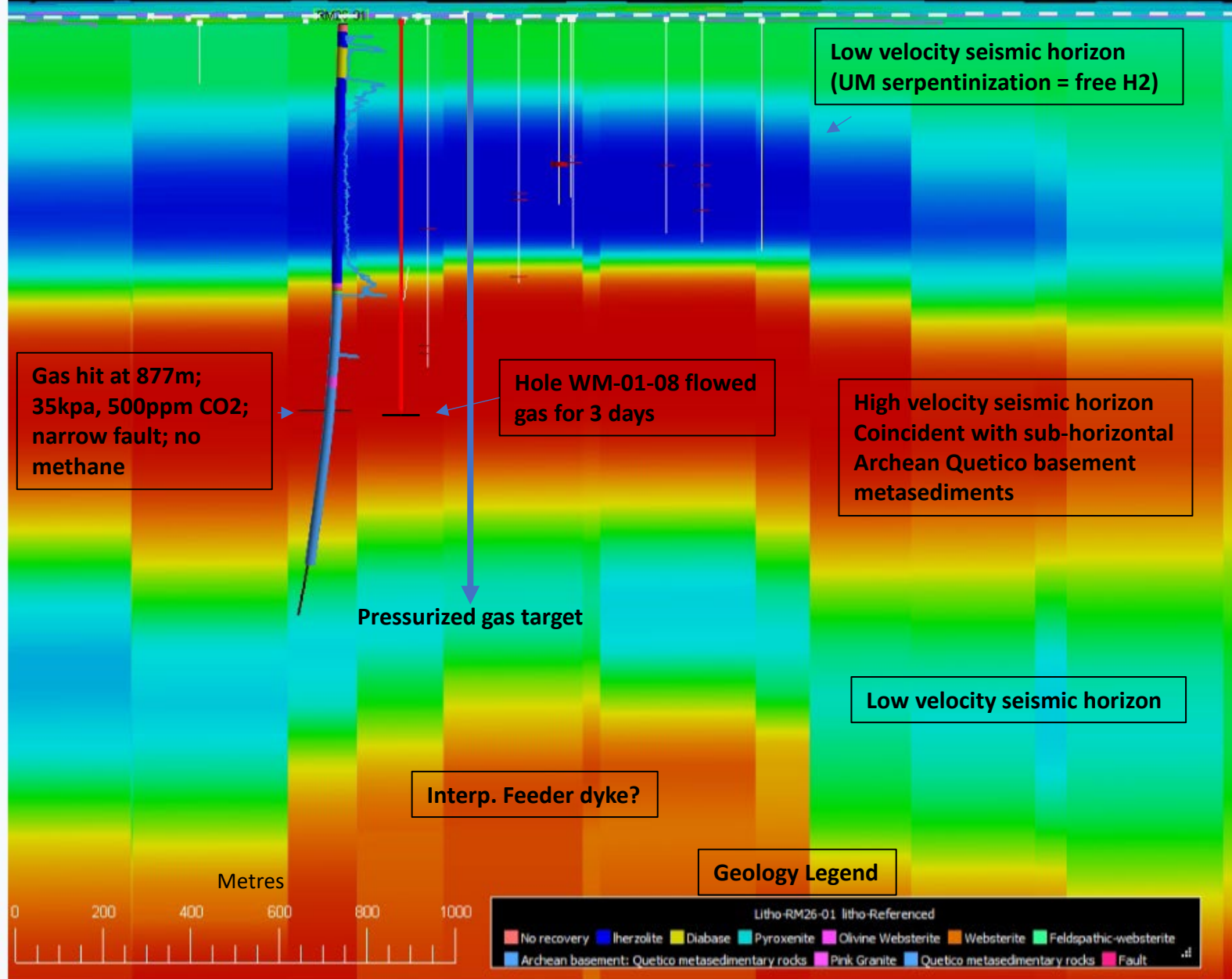
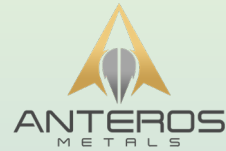
Link to Pulsar Helium Inc. Topaz Project (10-13% He in a CO2 carrier gas)

<https://pulsarhelium.com/projects/topaz/default.aspx>

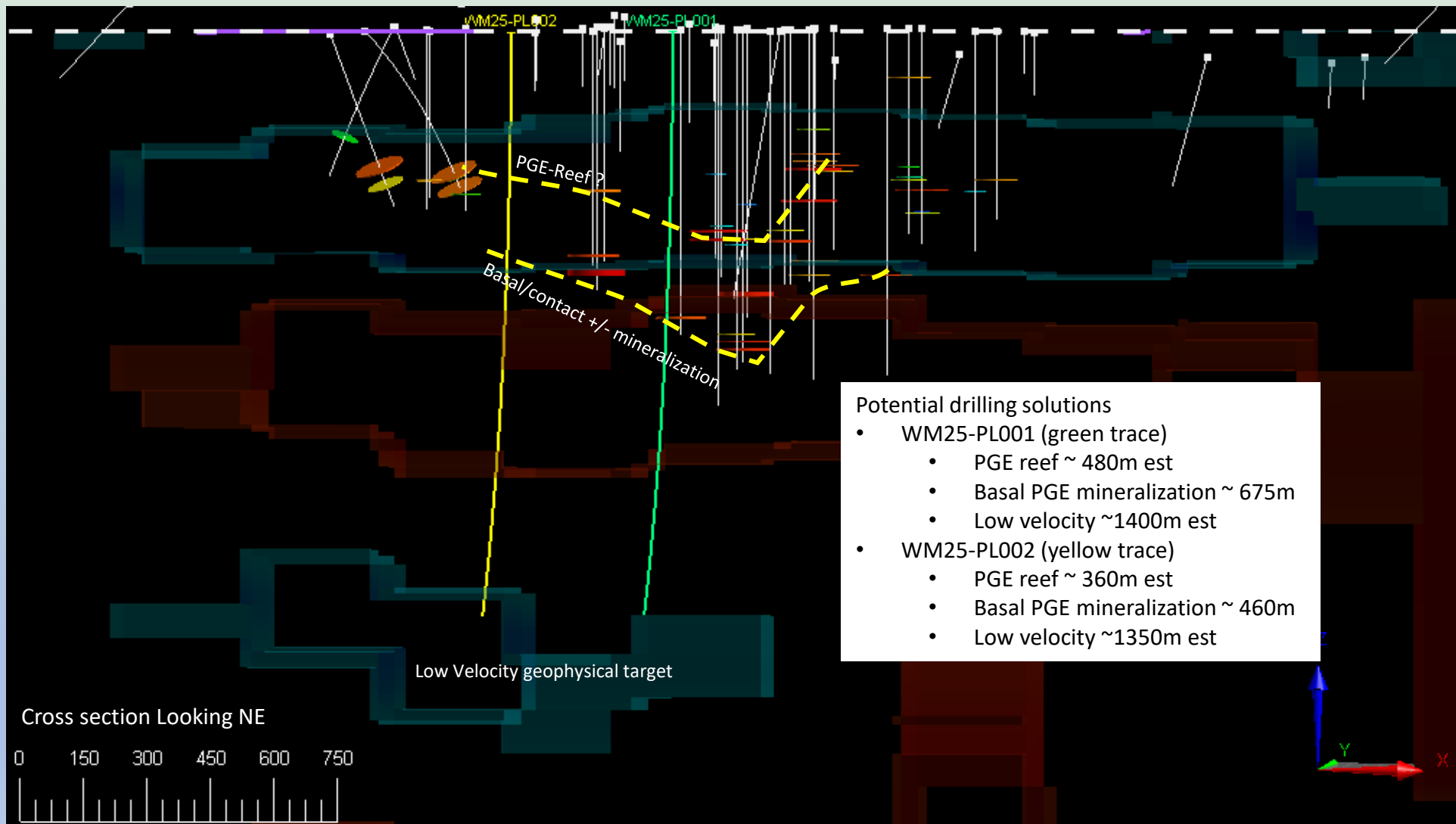


Geoscience ANALYST AMBIENT NOISE TOMOGRAPHY SURVEY – RIFT 2024

DDH RM26-01 Jan 9-Feb 1, 2026



Inversion block model: High velocity >3500m/s (red) & Low velocity <2980m/s (blue)



- Potential drilling solutions
- WM25-PL001 (green trace)
 - PGE reef ~ 480m est
 - Basal PGE mineralization ~ 675m
 - Low velocity ~1400m est
 - WM25-PL002 (yellow trace)
 - PGE reef ~ 360m est
 - Basal PGE mineralization ~ 460m
 - Low velocity ~1350m est

Physical Prop.	Anteros/Rift	Pulsar Helium
UM/M Intrusion	Seagull	Bald Eagle
Proterozoic MCR	Yes	Yes
Presence of CO₂	Yes	Yes
Flammables?	Yes	No
Helium?	?	Yes
Deep Low V ANT	Yes	Yes

SEAGULL PROJECT – BASEMENT GAS SYSTEM OPPORTUNITY

Recent drilling has identified a repeatable, structure-controlled gas system in basement rocks beneath the Seagull intrusion. Multiple drill holes have intersected gas at consistent depths, supporting the presence of a coherent and scalable geological system, not an isolated occurrence.

Key Highlights

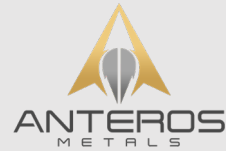
- Pressurized gas intersected at ~875 m within a fault zone
- Multiple holes show gas at similar depths (~875–882 m)
- Gas occurrences consistently associated with fractures and structural zones in basement rocks
- Nearby historical drilling in Hole WM-01-08 (2001) reportedly encountered sustained, flammable gas flow
- Overlying geology includes >700 m of serpentized ultramafic rocks and >500m of silicified Quetico metasediment basement rocks which map a potential stratigraphic trap.

Geological Interpretation

- The data supports a complete gas system:
- Source: Serpentized ultramafic rocks and proximal uranium pegmatites (potential hydrogen and helium generation)
- Migration: Deep fault and fracture network
- Trap: Basement structural zones beneath the intrusion

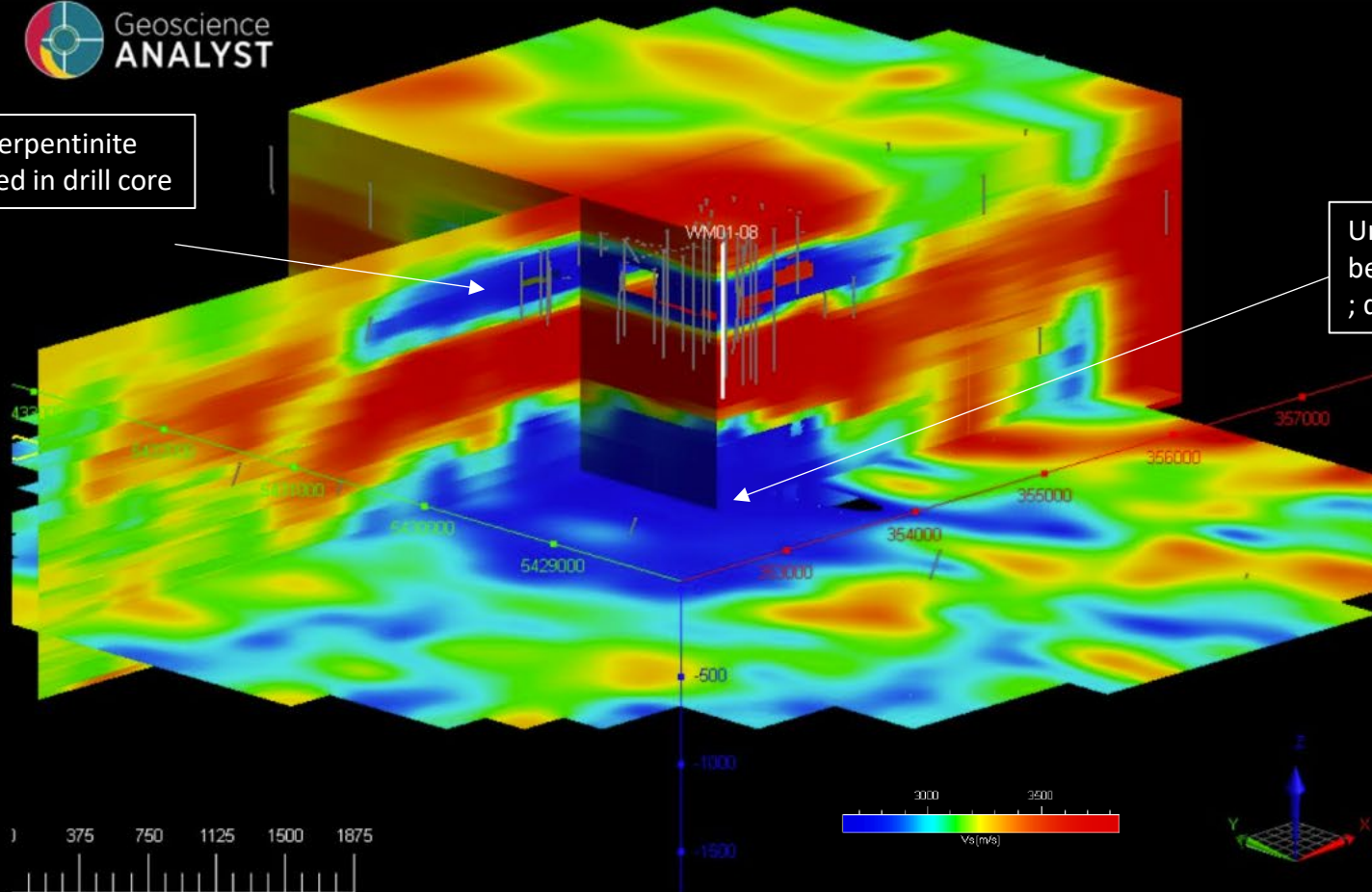


SEAGULL PLUTON - AMBIENT NOISE TOMOGRAPHY (ANT - PASSIVE SEISMIC) BLOCK MODEL RIFT MINERALS INC. - 2024



Low velocity serpentinite alteration noted in drill core

Untested low velocity feature below the Seagull Intrusion; ; deep drill target (~1350m)



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