



SEARCHING FOR EXPLORATION PARTNERS

Exploration for mineral deposits is a profitable and necessary function of the mining industry.

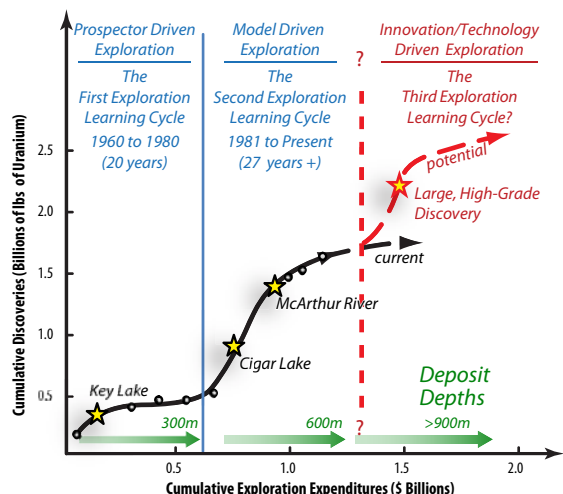
The global basket of mineable mineral deposits is the result of exploration success.

With increased mineral consumption this basket is shrinking.

An economic mineral discovery = instant investment returns.

RATIONALE FOR APPLIED RESEARCH

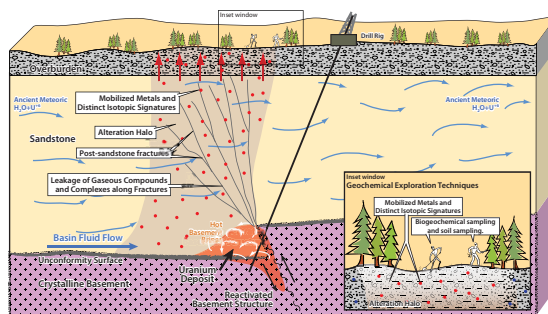
- ▲ Innovative technologies need to be developed to identify high-grade uranium mineralization in underexplored terrain.
- ▲ Therefore, we need to understand the process by which elements move from the surface of buried uranium mineralization to near surface environments where they can be geochemically measured



WHY URAVAN MINERALS?

- ▲ A Learning Company
- ▲ Uranium explorer focused in the Athabasca Basin, Canada
- ▲ Develops surface geochemical technologies to identify high-grade uranium deposits in sandstone basins.
- ▲ A small group of highly experienced mineral explorers and technical specialists and seasoned management

FINDING DEPOSITS USING SURFACE GEOCHEMISTRY - THE MODEL



- ▲ **The Model:** We use lead isotopes and specific elements in uranium exploration
- ▲ **Objectives:** to trace the movement of mobilize elements and distinct isotopic signatures from the deposit at depth to the surface environments (soils and trees)
- ▲ **Application:** 2 studies over known high-grade uranium deposits and 6 surface programs over UraVan active projects
- ▲ **Media Sampled:** The surface geochemical surveys consisted of sampling and analyzing: clay-size fractions in soil horizons, vegetation, tree-cores and soil microbe populations
- ▲ **Results:** The combined anomalous surface geochemical signals clearly defined the surface projection of the Cigar West and Centennial uranium deposit through 450 m and 800 m of sandstone respectively.

RESEARCH PARTNERS



Dr. Kurt Kyser, PhD Geology
Specialist in isotope geochemistry
Director of the Queen's Facility for Isotope Research (QFIR) at Queen's University



Dr. Colin Dunn, PhD Geology
Independent specialist in Exploration Biogeochemistry

FINANCIAL PARTNERS

- ▲ \$10 million to \$15 million exploration funding over 3 – 5 years
- ▲ Joining technical innovation with patient financing
- ▲ Financing will earn real property interest and common shares of UraVan

VISION

- ▲ Leverage the technology to rapidly evaluate exploration terrain
- ▲ Get to discovery quicker and more cost effectively.
- ▲ Reduce the number of drill holes to discovery.
- ▲ Minimum deposit size : >100,000,000 pounds U3O8 grading>2%.



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Athabasca Basin Properties

- ▲ The Athabasca Basin is an ancient (Paleoproterozoic) sandstone basin located in northern Saskatchewan, Canada.
- ▲ The Basin hosts high-grade uranium deposits at and below the unconformity between the Athabasca Group sandstone and the underlying older crystalline basement rocks.
- ▲ These unconformity-type uranium deposits occur in sandstones at the sandstone-basement unconformity contact (sandstone-hosted mineralization) and within the underlying structurally disrupted crystalline basement (basement-hosted mineralization).
- ▲ These uranium deposits account for about 20% of the world's primary uranium production.
- ▲ The Basin is the most prolific geological domain globally for hosting large high-grade uranium deposits, having ore grades from 2% to 20% U₃O₈.

Stewardson Lake Uranium Project

- ▲ 100% UraVan - Optioned to Cameco in 2012
- ▲ Located along Virgin River/ Dufferin Fault zone.
- ▲ Adjacent to Cameco operated Virgin River Project which hosts the Centennial Deposit.
- ▲ Surface geochemical program completed in 2011 and 2014 identifying strong surface anomalies associated with geophysical trends
- ▲ Airborne ZTEM survey completed 2013 supporting anomalous geochemical trends.
- ▲ 2014 and 2015 drill results vector exploration closer to discovery.

Outer Ring Uranium Project

- ▲ 100% UraVan - acquired in December 2009.
- ▲ Located along the Cable Bay structural corridor.
- ▲ Surface geochemical programs in completed 2010, 2012 and 2015.
- ▲ Drilling in 2011 completed 7 diamond drill holes to test several anomalous trends.
- ▲ Geochemical survey in 2015 defined a very strong discrete NE-SW trending - ORX Anomaly.
- ▲ ORX Anomaly correlates positively with a unique conductive system identified by the ZTEM survey (2016)
- ▲ Project financing required for 2016 drill program

Halliday Lake Uranium Project

- ▲ 100% UraVan- Optioned to Cameco in 2012
- ▲ EM surveys have identified 15km of conductors
- ▲ Resistivity and geochemical surveys suggest alteration zones favorable to uranium mineralization.
- ▲ Historic drilling intersected favorable structure, alteration and anomalous U in fractures up to 0.12% U₃O₈ over 0.1m.
- ▲ Surface geochemical programs completed in 2011 and 2012.
- ▲ Drilling in 2012 completed 5 diamond drill holes that tested surface geochemical anomalies with associated conductors.
- ▲ Sandstone alteration and basement uranium mineralization were encountered.
- ▲ Post drill data analysis and additional geophysics vector drilling south and west of the 2012 drilling

CAPITAL STRUCTURE
July 1, 2016
Shares Issued: 41,209,012
Insider holdings: 8,201,113 (20%)
Options Granted: 2,255,000 @ \$0.17
Working Capital: \$0.5 Million

