

White Pine Uranium Project

STRATEGIC OPPORTUNITY IN NORTHWEST ONTARIO

PROJECT OVERVIEW SEPTEMBER 2024

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White Pine Uranium Project

Building a Strategic Portfolio

• Uranium is listed as a **critical metal** by the Canadian government¹ and is established as a low carbon energy source

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Uranium

- 14% of Canada's electricity is generated from nuclear and 80% of Canada's uranium production exported¹
- Cost-effective acquisition through staking of open ground, no additional royalties

Project Area of approximately 800 km²

- 8,036 hectares of contiguous claims registered by 100% subsidiary Katoro Canada Inc.
- A prospective geological setting between two granitic rock bodies², plus further key attributes;
 - Very highly anomalous uranium values in lake sediments across the property³
 - Intense radiometric signature across the property⁴

Access and Location

- 5km from the Trans-Canada Highway with established access via logging roads
- Kenora District has had recent and historic uranium exploration (and exploratory drift mining in the 1950s)⁵

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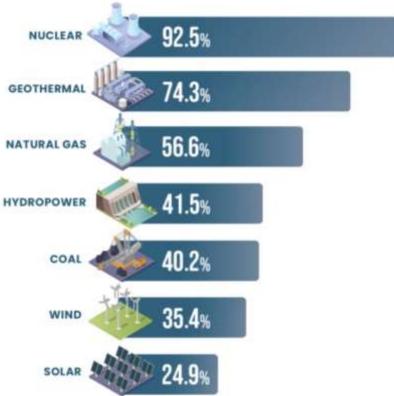
Uranium: Growth in Demand

Low Carbon Energy Future

- Electricity consumption is projected⁶ to rise from 20% today to over 50% by 2050 in the Net Zero Emissions Scenario
- Nuclear power generation capacity now projected⁷ to increase by between 1.4 and 2.5 times the current capacity by 2050
- The IAEA says nuclear energy has the lowest carbon footprint, uses fewer materials and takes up less land, making it a highly sustainable current and future energy source.

Capacity Factor and Baseload Electricity Generation

- Compared to other sources of electricity generation, nuclear has by far the highest capacity factor* as nuclear power plants require less maintenance and are designed to operate for longer stretches before refueling, typically every 1.5 or 2 years⁸
- Nuclear is the only proven low-carbon generation technology which can provide reliable baseload power to balance the variability of wind and other renewables⁹

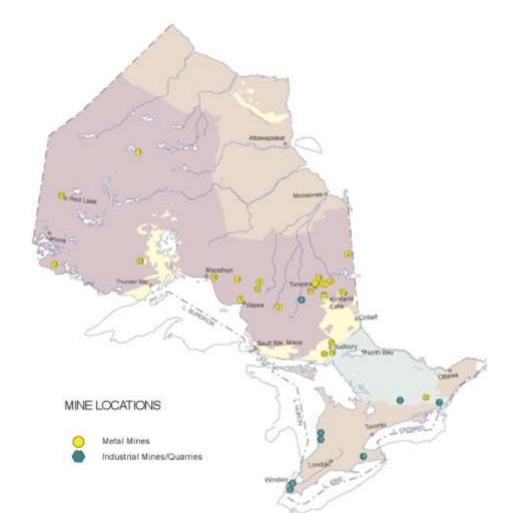


Capacity Factor by Energy Source in 2020⁹

*the percentage generated compared to the generation capacity at continuous full-power operation

Ontario: A World Class Mining Jurisdiction

- Currently 23 active metals mines and 8 industrial mines/quarries in the province, including gold, base metals, iron and platinum group metals¹⁰
- In 2022, Ontario's mining sector produced £7.5 billion worth of minerals, which accounted for 22% of Canada's total production value¹⁰

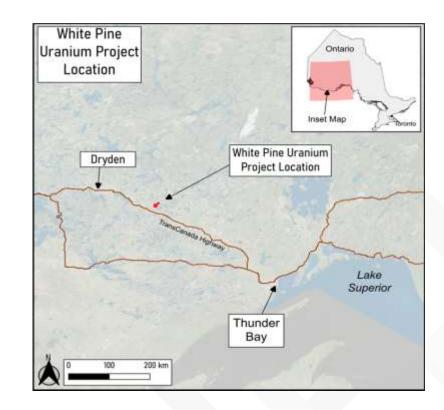


- Over 150,000¹⁰ people directly employed in the mining industry in the province
- £550 million invested in mineral exploration in Ontario in 2022¹⁰
- Top 10 investment jurisdiction globally Fraser Institute Annual Survey of Mining Companies 2023¹¹

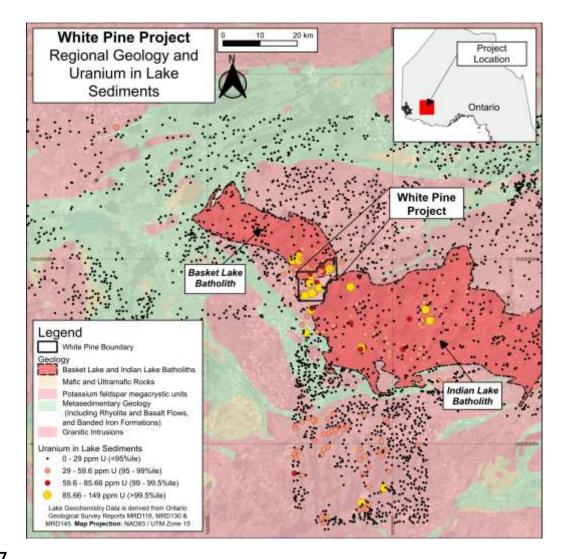
White Pine Uranium Access via Trans-Canada Highway



- Well-established access via logging roads
- Helicopters not required meaning drastically reduced overheads



White Pine Uranium Anomaly at District Scale



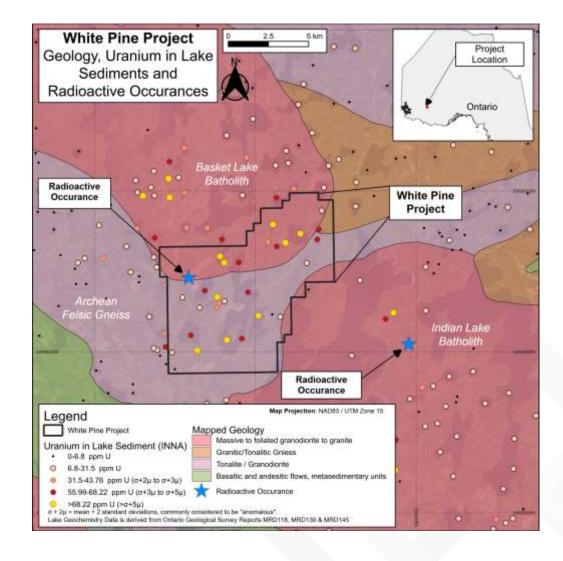
- Project supportive of intrusive-type uranium targets with two granitic rock bodies (batholiths) intruded into an area of Archean felsic gneiss²
- Statistical analysis completed over a lake sediment sampling study containing over 4,000 samples and covering approximately 15,000km² shows White Pine as a prospective uranium target³
- Visible area of interest delineated when plotting the 99.5% percentile data
- Very highly anomalous and extremely anomalous uranium in lake sediments compared with regional data, including values of up to 149 ppm uranium
- 9 samples within the claim area contain uranium values in excess of 5 standard deviations above the mean and are considered extremely anomalous

Prospective Geology & Very Highly Anomalous Uranium

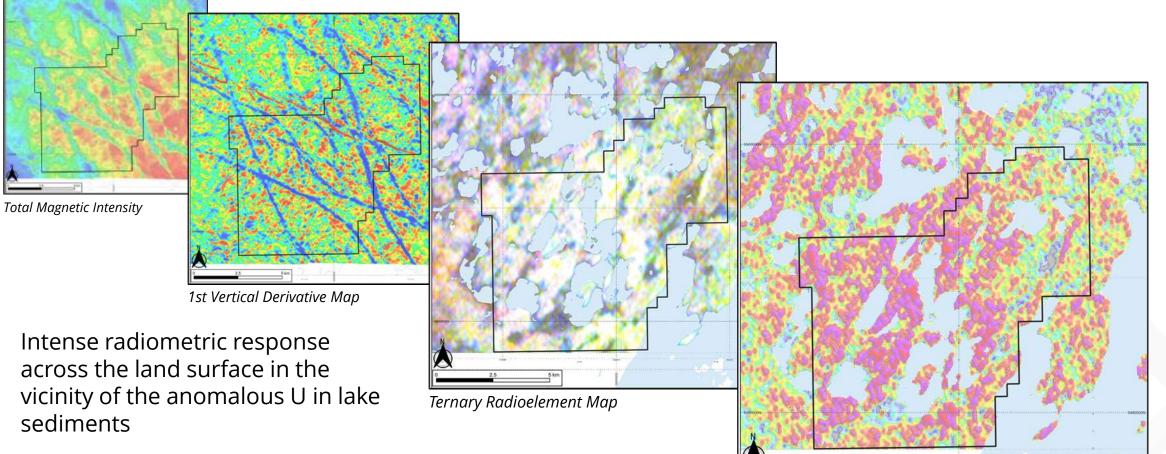
 Top 20 highest uranium concentrations at White Pine all exceed the regional anomalous (mean plus 2 standard deviations) value for uranium

SURVEY REF	STATION_NU	NAD	UTM_ZONE	EASTING	NORTHING	LAKE_DPTH_m	U_INAA_ppm
MRD118	00-D-9217	83	15	578231.4589	5490747.97	4	149
MRD118	00-D-9277	83	15	581872.3378	5496779.962	7	142
MRD118	00-D-9227	83	15	578063.4622	5495545.965	2	104
MRD118	00-D-9225	83	15	577638.477	5493404.968	3	103
MRD118	00-D-9276	83	15	582802.3073	5497349.961	16	96
MRD118	00-D-9184	83	15	576393.5189	5490078.971	1	90.3
MRD118	00-D-9251	83	15	580198.3943	5492252.968	6	86.1
MRD118	00-D-9281	83	15	581095.3625	5497921.962	16	82.4
MRD118	00-D-9228	83	15	577806.4704	5495937.965	3	74
MRD118	00-D-9224	83	15	576858.5021	5493813.968	8	68.2
MRD118	00-D-9249	83	15	579544.4149	5493704.967	7	66.3
MRD118	00-D-9278	83	15	581324.3557	5496550.963	1	63
MRD118	00-D-9274	83	15	583850.2734	5496991.961	2	59.2
MRD118	00-D-9216	83	15	579162.4286	5490828.969	8	58.6
MRD118	00-D-9275	83	15	583954.2697	5497622.961	2	48
MRD118	00-D-9183	83	15	575994.5314	5491027.971	6	46
MRD118	00-D-9248	83	15	578971.4327	5495562.965	7	45
MRD118	00-D-9221	83	15	577752.4734	5493038.968	1	38
MRD118	00-D-9279	83	15	580794.3728	5496821.963	2	37
MRD118	00-D-9219	83	15	577604.4784	5492750.968	4	36

•	Samples all from	lake sediments,	not rock outcrop
		-	



Geophysics: Historic Airborne Radiometric & Magnetic Data



 Magnetic data collaborates with mapped geology, reinforcing the project's prospectivity

Equivalent Uranium Concentration

Short-term Objectives







Prospecting, outcrop mapping, scintillometer and rock chip sampling in Q3 2024 Compile and interpret Extensive geophysical, geochemical and other data Q4 2024 Analyse and **Optimise** exploration strategy and programme for Q2 2025 (Spring) Contact Us Address: 60 Gracechurch Street, London EC3V 0HR, United Kingdom Email: <u>info@katorogold.com</u> Web: <u>www.katorogold.com</u>

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References

¹Natural Resources Canada <<u>www.natural-resources.canada.ca/our-natural-resources/minerals-mining/mining-data-statistics-and-analysis/minerals-metals-facts/uranium-and-nuclear-power-facts/20070></u>

² Breaks, F.W. 1980, Sioux Lookout-Armstrong, Geological Compilation Series, Kenora and Thunder Bay Districts, Ontario Geological Survey: 2000 Series Map, NTS Number: 52

³ Ontario Geological Survey - Jackson, J.E. 2003, Lake Sediment Geochemical Data from the Ignace Survey Area, Northwestern Ontario: Operation Treasure Hunt, MRD118 & Russell, D.F., 2004, Lake Sediment and Water Data for the Sturgeon Lake-Wabigoon Lake Area, MRD130 & Felix, V.E., 2005, Lake Sediment and Water Analytical Data for the Eagle Lake Area, Northwestern Ontario, MRD 145

⁴ Goldak Airborne Surveys 2008, Technical report on a radiometric survey, Basket Lake Block, Northwestern Ontario, Takara Resources Inc.

⁵ Laine, R.P. 2007, 43-101 Technical Report on the Kenora Uranium Properties for 4316282 CANADA INC. in Form 2A Listing Statement, Madison Metals Inc. May 9, 2022 < <u>https://sedar-filings-primary.thecse.com/00049498/2205121417282204.pdf</u>>

⁶IEA <<u>https://www.iea.org/energy-system/electricity</u>>

⁷IAEA - Outlook for Nuclear Power Increases for Fourth Straight Year, Adding to Global Momentum for Nuclear Expansion <<u>https://www.iaea.org/newscenter/pressreleases/iaea-outlook-for-nuclear-power-increases-for-fourth-straight-year-adding-to-global-momentum-for-nuclear-expansion/</u>>

⁸U.S. Energy Information Administration <<u>https://www.energy.gov/ne/articles/nuclear-power-most-reliable-energy-source-and-its-not-even-close</u>>

⁹University of Sheffield Nuclear Advanced Manufacturing Research Centre https://namrc.co.uk/netzeroneedsnuclear/

¹⁰Ontario Mining Association https://oma.on.ca/en/ontario-mining/facts_figures.aspx

¹¹ Fraser Institute 2023 Annual Survey of Mining Companies <<u>www.fraserinstitute.org/sites/default/files/2023-annual-survey-of-mining-companies.pdf</u>>