Manitoba Lithium Projects
New Age has active mining claims for lithium along strike and in the same geological belt as the world-class Tanco Pegmatite and mine complex.

“The best place to look for an ore deposit... is in the shadow of a headframe”.
**Investment Highlights**

- **7 early stage exploration assets** (lithium bearing pegmatite targets) in southeast Manitoba along strike of the Tanco Mine acquired between 2016 – 2018

- The Tanco pegmatite is a highly-fractionated lithium-cesium-tantalum type pegmatite that has been mined for lithium, tantalum, cesium and rubidium since 1969

- January 2019 – Sino Mine Rare Metals Co (China) acquired the Tanco mine from the Cabot Corporation for approximately $130M

- **1 historical non-43-101 resource estimate** on 1 of 7 projects of 544,600 tonnes at 1.4% Li2O

- **Surface exploration completed on all 7 projects** with drill targets identified on 2 of 7 projects

- **11,620 hectare land package owned 100% by New Age Metals** in the region – largest claim holder with a plan to consolidate the area pending a stronger lithium market and sufficient funding

- **Veteran lithium and rare element consultant** who has worked in the Manitoba region (previously as the exploration manager at the Tanco mine for 12 years) who coordinates and conducts all of our technical work and has strong relationships with the key players in the region who are also focused on exploring and developing lithium assets

- **Positive working relationship with local First Nations**, exploration agreement in place with the Sagkeeng First Nation since 2018
Lithium Bearing Pegmatite Potential of Southeast Manitoba

- The **Winnipeg River-Cat Lake Pegmatite Field** is host to numerous pegmatite deposits and contains the world-class **Tanco Pegmatite**. It is a part of the Bird River Greenstone Belt.
- The field contains at least 10 pegmatite groups and hosts hundreds of pegmatite bodies. Many are lithium bearing.
- The world-class Tanco Pegmatite is a highly fractionated lithium-cesium-tantalum (LCT)-type pegmatite that has historically been mined (Tanco Mine) since 1969 for Li, Ta, Cs, Rb and Be ores. Currently, the Tanco Mine produces pollucite for the manufacturing of cesium formate.

- The Tanco Mine was owned by the Cabot Corporation who recently announced (Jan. 2019) that it sold the mine and Speciality Fluids Division to Sinomine Rare Metals Co. Ltd. at a purchase price of $US130 million.
- This sale may advance the Lithium production potential of the area as Lithium ore feed would be required.

- Several companies are exploring for Lithium in the region with New Age Metals as the largest claim holder.
Cesium and Tantalum Potential of Southeast Manitoba

- The **Tanco Pegmatite is also a very rich tantalum and cesium deposit** with it being the world's most significant and richest known source of cesium representing more than two-thirds of the world's reserve.
- Tanco’s preproduction pollucite reserves were 350,000 tons grading 23.3% Cs2O.
- Tanco’s Reserves at the end of 1992 stood at 1.09 million tons grading 0.12% Ta2O5, 3.5 million tonnes at 2.71% Li2O.
- The potential exists elsewhere in the Winnipeg River-Cat Lake Pegmatite Field to discover additional pegmatites that may contain economic grades of cesium and tantalum. The pegmatites on the NAM Lithium Projects will also be examined for tantalum and cesium in their upcoming drill programs on lithium-bearing pegmatites with in the region.
- Surface samples from the Lithium One Project has yielded up to 0.37% Ta2O5.

Cesium Uses:
- used as a catalyst in the hydrogenation of a few organic compounds.
- Production of Cesium Formate for the oil industry.
- the metal can be used in ion propulsion systems.
- atomic clocks.
- the metal is used as a "getter" in electron tubes.
- used in photoelectric cells, vacuum tubes and IR lamps.

Tantalum Uses:
- Main use is in the electronics industry for capacitors and high power resistors.
- used to make alloys to increase strength, ductility and corrosion resistance.
- The metal is used in dental and surgical instruments and implants, as it causes no immune response.
- Military applications.

![Cesium and Tantalum Elements](images)
New Age Metals Lithium Portfolio

New Age Metals presently has 7 lithium and rare element Projects in the region. The projects are situated along strike of the Tanco Pegmatite and adjacent Lithium Pegmatite fields. The claims encompass several pegmatite groups.

- Three of the projects are considered drill ready. Lithium One, Lithium Two and Lithman West.
- New Age Metals has signed an exploration agreement with the Sagkeeng First Nation and will work in partnership with them on their traditional ground.
- All claims are held by Lithium Canada Development, a 100% owned Lithium Division of New Age Metals.
Lithium One Project

- Project consists of 2,294 hectares located 12 kilometers south of the Tanco Pegmatite.
- Project is 100% owned by New Age Metals and contains over 40 pegmatites or more with the southern portion of the project containing numerous underexplored pegmatites.
- Exploration to date has concentrated on the central section of this project with focus on the Annie and Silverleaf Pegmatites. The project area has had two past producing historic mines. One for spodumene (late 1920’s) and beryllium (early 1950’s).
- **Silverleaf Pegmatite** has zones of spodumene and lepidolite exposed on surface with samples up to 4.1% Li2O.
- **Annie Pegmatite** returned values up to 0.6% Li2O and 0.37% Ta2O5.
- Both pegmatites are drill ready with a 1,500 meter planned drill program.
Lithium Two Project

- Project consists of 145 hectares located 20 kilometers north of the Tanco Pegmatite.
- Project is 100% owned by New Age Metals and contains 3 pegmatites known to date.
- The **Eagle Pegmatite** is exposed on surface and was last drilled in 1948. At that time, it was indicated that the pegmatite was open to depth and along strike. A historic tonnage of 544,460 tonnes of 1.4% Li2O (source: Manitoba Mineral Index Cards) was reported in 1948. This amount has not been confirmed by a qualified person at this time.
- Surface sampling has yielded assays up to 3.8% Li2O.
- The other pegmatites on the project have not been drill tested.
- The project is drill ready with a 1,500 meter drill program planned.
- The company has obtained a drill permit for the project, effective as of December 7, 2020.
Lithman West Project

Rock Anomalies

- Lithman West is situated on strike and to the west of the Tanco Pegmatite deposit.
- The Project consists of 1,047 hectares located 12.5 kilometers west of the Tanco Pegmatite.
- The Project is 100% owned by New Age Metals and was previously explored by the Tantalum Mining Corp of Canada in their exploration for Tantalum.
- Numerous rock and soil anomalies for pegmatites were identified with very little follow-up drilling. Samples were on a 25 m by 100 m grid.
- Lithman West is drill ready.

Soil Anomalies
Other Lithium Projects

Lithman East, Lithman North and Lithman East Extension Projects

• All projects were staked to cover numerous surface pegmatites and pegmatitic granites.
• The projects cover portions of the Bernic Lake Pegmatite Group, (hosts the Tanco Pegmatite as well as a few other Lithium Pegmatites) Rush Lake Pegmatite Group, Birse Lake Pegmatite Group and the Axial Pegmatite Group.
• Presently these claims are being explored with surface mapping, sampling and prospecting, with exploration planned for 2020.

Cat Lake Lithium Project

• Newest project staked. Surface exploration planned for 2021.
• Situated north and adjacent to the Lithium Two Project which contains known surface Lithium-bearing Pegmatites.
Summary of Lithium Projects

The company has **seven Lithium Projects** for a total land package of 11,620 hectares in the Bird River Greenstone Belt that hosts numerous Lithium-bearing Pegmatites, including the Tanco Pegmatite.

The discovery in spring of 2018 of the Cat Tail Pegmatite by Equitorial Exploration, shows that there is exploration potential for new pegmatites in the belt. This pegmatite was not previously known and was under cover. Drilling yielded a pegmatite up to 36 meters in width with excellent Lithium grades.

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<tr>
<th>Project</th>
<th>Total Claims</th>
<th>Total Hectares</th>
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<tbody>
<tr>
<td>Lithium One</td>
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<td>CatLake Lithium Project</td>
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<td><strong>Totals</strong></td>
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<td><strong>11,620</strong></td>
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*Please do not hesitate to contact our business development team at info@newagemetals.com should you have any further questions.*