

Our operations Red Lake



FY24 fact sheet

Life of mine to 2040 with further upside potential

Key facts

Ownership: 100 percent owned

FY25 gold production guidance:¹ 125,000 – 145,000

FY25 AISC guidance:¹ \$2,500 – \$2600 per ounce

FY24 gold production: 112,700 ounces

FY24 AISC: \$2,802/oz

Tenement package: 710km

Mineral resources:² 55.1Mt at 6.56g/t gold for 11.6Moz of contained gold

Ore reserves:² 12.4Mt at 6.87g/t gold for 2.7Moz of contained gold

Mineralisation type: Orogenic gold deposit

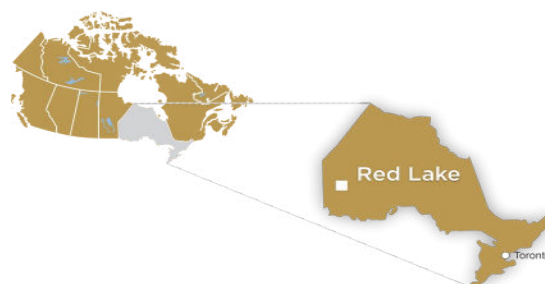
Permitted mine life: 2040

Mining method: Avoca, modified Avoca and sub-level open stoping underground mining

Processing: Campbell mill 800ktpa; Red Lake mill 350ktpa, ~90.6% gold recovery³

Power: Grid power via 115kv line from Ear Falls (33MW allotment) hydro power

Employees and contractors: ~610 employees and 340 contractors



Location: Ontario Canada, approximately 535km north-west of Thunder Bay

Producing: gold

Management: owner operator

Site management: John Penhall – Vice President Red Lake Operations

Thomas Lethbridge – General Manager

Mine site contact number: +1 807 735 2077

Located on the traditional lands of the Wabauskang and Lac Seul First Nations.



Safe, reliable, low-cost production

- High-grade asset situated on one of North America's highest-grade gold camps with outstanding exploration potential
- Supportive stakeholders, community and government
- Tier one mining jurisdiction

1. See ASX announcement titled 'Record FY24 profit and high margin cash flow into FY25' dated 14 August 2024 and available to view at www.evolutionmining.com AISC is based on a gold price of \$3,300/oz and copper price of \$14,350/t and is calculated for continuing operations excluding Mt Rawdon, which will cease operations in FY25.

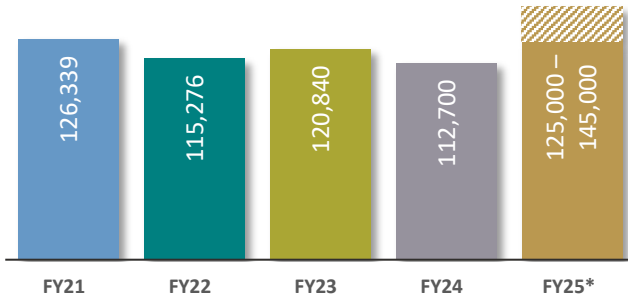
2. For further information on Evolution's Mineral Resources and Ore Reserves refer to ASX release "Mineral Resources and Ore Reserves Statement" released to ASX on 14 February 2024

3. FY24 gold recovery

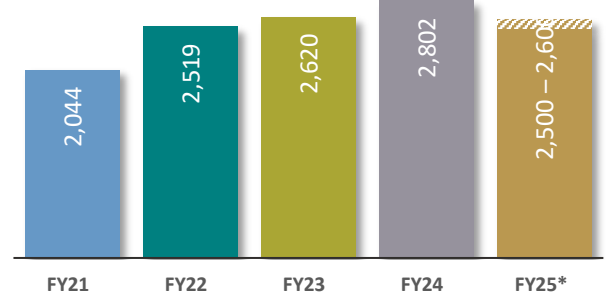
Red Lake

Snapshot

Gold production (oz)



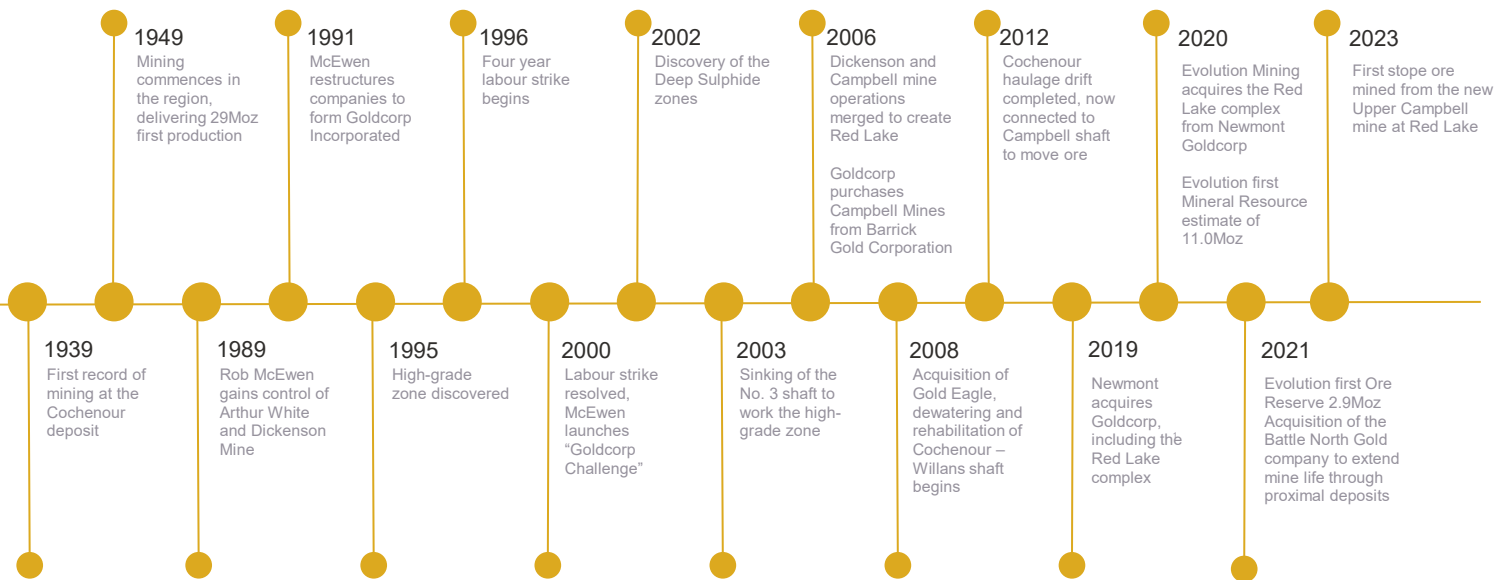
AISC (A\$/Oz)



* denotes FY25 guidance.

Historic performance data can be accessed at our Interactive Analyst Centre

History



Growth opportunities

District scale ~710km² land package in a premier gold region
Regional potential for large scale discovery in younger under-explored geology

Sustainability

Sustainability is integrated into everything we do in support of our purpose to deliver long-term stakeholder value through low-cost production in a safe, environmentally and socially responsible way. See our [Annual and Sustainability Report](#) which describes our approach and performance in the areas of health and safety, environmental stewardship, helping our communities thrive, cultural heritage, innovation and the development of our people.

Health & Safety

Safety is a core value at Evolution Mining and the health and wellbeing of everyone on site is crucial to our success as a company. We work to ensure everyone leaves the workplace the same way they arrive. We have an ever-improving health and safety culture, with an injury-free workplace target. Taking a risk-based approach, our focus is on visible safety leadership via safety interactions, hazard identification, actively controlling critical and material risks and increased learnings from incidents through storytelling.

Environment

We believe in striving beyond legislative compliance to achieve best practice and to build trust and meet the expectations of the communities in which we operate. We are focused on enhancing environmental stewardship in line with our Net Zero commitment and sustainability principles through the implementation of our sustainability performance standards and life of mine environmental management plans across all of the operation.

We are focused on enhancing environmental stewardship through the implementation of our environmental standards and life of mine environmental management plans across all project sites. For further information please visit www.evolutionmining.com.au.

Community

Securing the support of communities in which we operate is core to our operations. Our focus remains on building trusted partnerships with our First Nation partners in protecting their cultural heritage and supporting the delivery of their goals and that of other community groups. Collaboration agreements are in place with the Wabauskang and Lac Seul First Nation partners.

We partner with communities to achieve meaningful outcomes and generate shared value. A local approach is critical to support local economic benefit by prioritising local procurement, creating local employment and facilitating local training opportunities.

Our strong support in the Red Lake community includes:

- Support for the shared spirits (partnership with the First Nations Partners)
- Partnership with Northern College and Sioux Lookout Friendship accord for First Nation common core underground mining training
- Supporting a diverse workforce where all feel they belong, including First Nation peoples, who make up 10% of the operation
- Supporting a predominantly (70%+) local workforce and local procurement initiatives
- Supporting industry groups such as the Ontario Mining Association
- Investing in community projects supporting education, environment, diversity, health, arts, culture and recreation
- Operating a community recreation center including swimming pool, bowling, curling rink, fitness center and gymnastics

Discovery

The Red Lake area is highly prospective for the discovery of new gold orebodies, both underground near our existing operations and on our 710km² regional land package. Evolution is committed to ongoing exploration at Red Lake to support future production.

Underground exploration is focused on drill testing targets for new shoots and extensions close to planned or existing mining fronts at Campbell, Red Lake and Cochenour.

Regionally, our focus is on geological mapping, geophysics and collection of glacial till samples over underexplored geological assemblages that were not previously considered prospective for gold. This work has developed large-scale anomalies in the region with plans for future drilling.

Mining

Our Red Lake Operations is comprised of the consolidation of three major historical mining centers (Red Lake, Campbell and Cochenour) and two processing plant facilities (Red Lake and Campbell mills).

Red Lake, Campbell and Cochenour

Ore is currently hoisted to surface through two production shafts - Cochenour and Campbell ore via the Reid Shaft and Red Lake via the #3 Shaft. The Campbell Young Dickenson (CYD) surface decline commenced in July 2021 and will provide access to the historic Upper Campbell resource. Ventilation is a push-pull system consisting of 4 intake and 5 exhaust fans and 15 underground booster fans.

Mining dates back as far as 1939 at the Cochenour deposit, and the current Red Lake Gold Mines organisation dates to the 2006 acquisition of the Campbell mine by Goldcorp.

Red Lake underground mine

Mining method:

Access:	sub-level open stoping, avoca and modified avoca stoping access to Cochenour, Balmer and Lower Campbell are via the Cochenour, #3 and Reid shafts
Ore mined:	Upper Campbell is to be accessed via declines driven from surface
Management:	owner-operator and contractor mining
Equipment:	9 x loaders, 10 x trucks, 4 x jumbos, 4 x bolters
Ground support:	combination of static and dynamic based on location and stress regime
Explosives:	emulsion, anfo and stick are used for Longhole stoping and development

Geology

The Campbell-Red Lake-Cochenour gold deposits are located within the Red Lake greenstone belt. The belt is host to some of Canada's largest and richest Archean gold deposits producing more than 26 million ounces of gold since the 1930s. The Red Lake Greenstone Belt is subdivided into several rock assemblages recording magmatic and sedimentary activities that occurred from 3.0 to 2.7 billion years ago. The tholeiitic and komatiitic metabasalts of the Balmer Assemblage are the oldest volcanic rocks in the belt and are host to the major gold deposits in the Red Lake district, including the Campbell-Red Lake-Cochenour.

Gold mineralisation is mainly associated with silicification and sulphide minerals that replace carbonate veins, breccias and wall rock selvages. The carbonate veins and breccias, which are composed of ankerite ± quartz, were formed before and/or in the early stage of penetrative ductile deformation, whereas silicification, sulphide replacement and gold mineralisation were coeval with deformation.



Processing

Red Lake encompasses two separate gold ore processing plants; Campbell and Red Lake.

The Campbell processing plant consists of a three-stage crushing circuit and two stage grinding circuit with gravity concentration on cyclone underflow, sulphide flotation, pressure oxidation, oxide leach, flotation tails leach, carbon-in-pulp and cyanide detoxification.

The Red Lake process plant consists of a two-stage crushing circuit, a two-stage grinding circuit with gravity concentration on cyclone underflow, leach, carbon-in-pulp, cyanide detoxification, sulphide flotation and flotation concentrate filtering.

Campbell mill

Throughput: 800ktpa

Crushing: jaw crusher, 2 cone crushers

Grinding: rod mill, ball mill

Gravity: Knelson concentrators, gravity table
(to be replaced with Acacia November 2024)

Flotation: 4 x rougher cells

Oxidation: autoclave pressure oxidation on flotation concentrate

Leaching: flotation concentrate and tails cyanide leaching

Adsorption: carbon-in-pulp

Throughput: 350ktpa

Crushing: jaw crusher, cone crusher

Grinding: ball mill, vertimill

Gravity: Knelson concentrators, gravity table

Flotation: rougher scavenger, cleaner trough cells

Leaching: cyanide leaching

Adsorption: carbon-in-pulp

Process flowsheet

