



PACIFIC RIDGE

exploration ltd.

FOCUSED ON COPPER

January 2025

TSXV: PEX

FSE: PQWN

OTCQB: PEXZF

Forward looking statements

This presentation includes certain statements that may be deemed “forward-looking statements”. All statements in this presentation, other than statements of historical facts, that address exploration drilling, exploitation activities and events or developments that Pacific Ridge Exploration Ltd. expects to occur, are forward-looking statements. Such statements may be identified in this presentation by the use of words such as ‘plans”, “will”, “expects” and “may” as well as the use of the future or conditional tense. Although Pacific Ridge Exploration Ltd. believes the expectations expressed in such forward-looking statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results or developments may differ materially from those in the forward-looking statements. Factors that could cause actual results to differ materially from those in forward looking statements include market prices, exploitation and exploration successes, and continued availability of capital and financing and general economic, market or business conditions. Investors are cautioned that any such statements are not guarantees of future performance and actual results or developments may differ materially from those projected in the forward-looking statements.

Pacific Ridge’s disclosure of a technical or scientific nature has been reviewed by Danette Schwab, P.Geo., Vice President Exploration of Pacific Ridge, the Qualified Person under the definition of National Instrument 43-101.

Why Pacific Ridge?

Copper

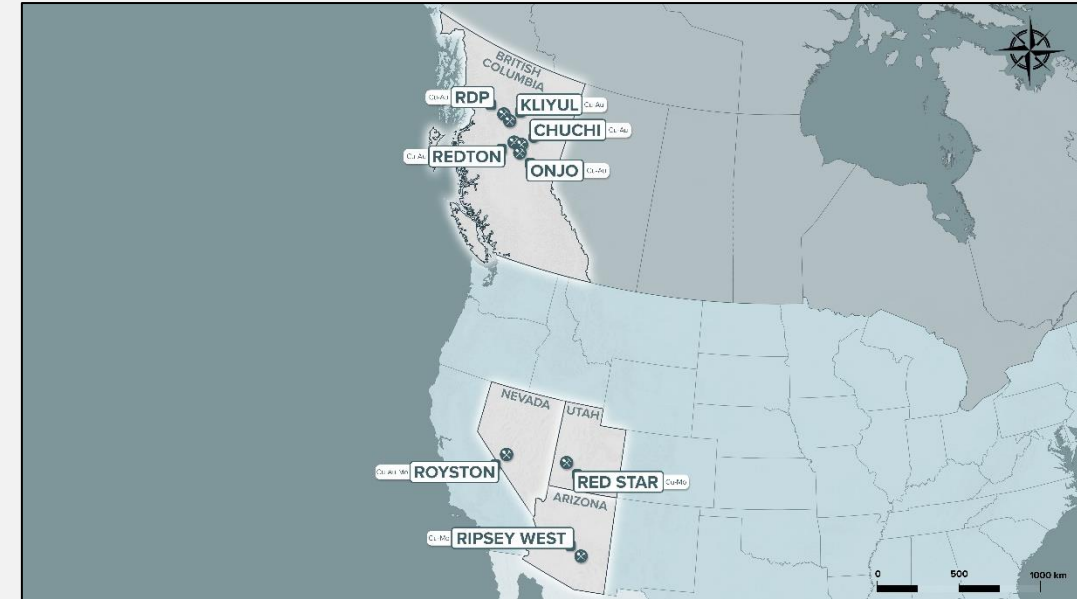
We own or control eight copper projects located in premier copper mining districts in America and Canada.

Investment thesis

Increased demand for copper and heightened political risk in Central and South America will lead to more competition for copper assets in America and Canada.

Our Goal

Become North America's leading copper exploration company.



Why invest?

Attractive valuation:

- Current market capitalization of CAD\$3.5M.
- CAD\$18.0M spent on 100% owned Kliyul copper-gold project (B.C.) and RDP copper-gold project (B.C.).
- Acquisition of a portfolio of U.S. copper and gold projects establishes Pacific Ridge as one of North America's leading copper exploration companies – the Company now owns or controls eight copper projects located in premier copper mining districts in America and Canada.

Turnaround year:

- Actively explore the Royston copper project (Nevada), the Ripsey West copper project (Arizona), the Red Star copper project (Utah), and the Mineral Hill gold project (Wyoming).
- Aggressively pursue joint venture partners to fund continued exploration at Kliyul and/or RDP.
- Unlock value by spinning out the newly acquired Mineral Hill gold project and the gold projects in the Yukon (Mariposa, Eureka, and Gold Cap) to create a new, North American gold focused exploration company.

Royston copper project

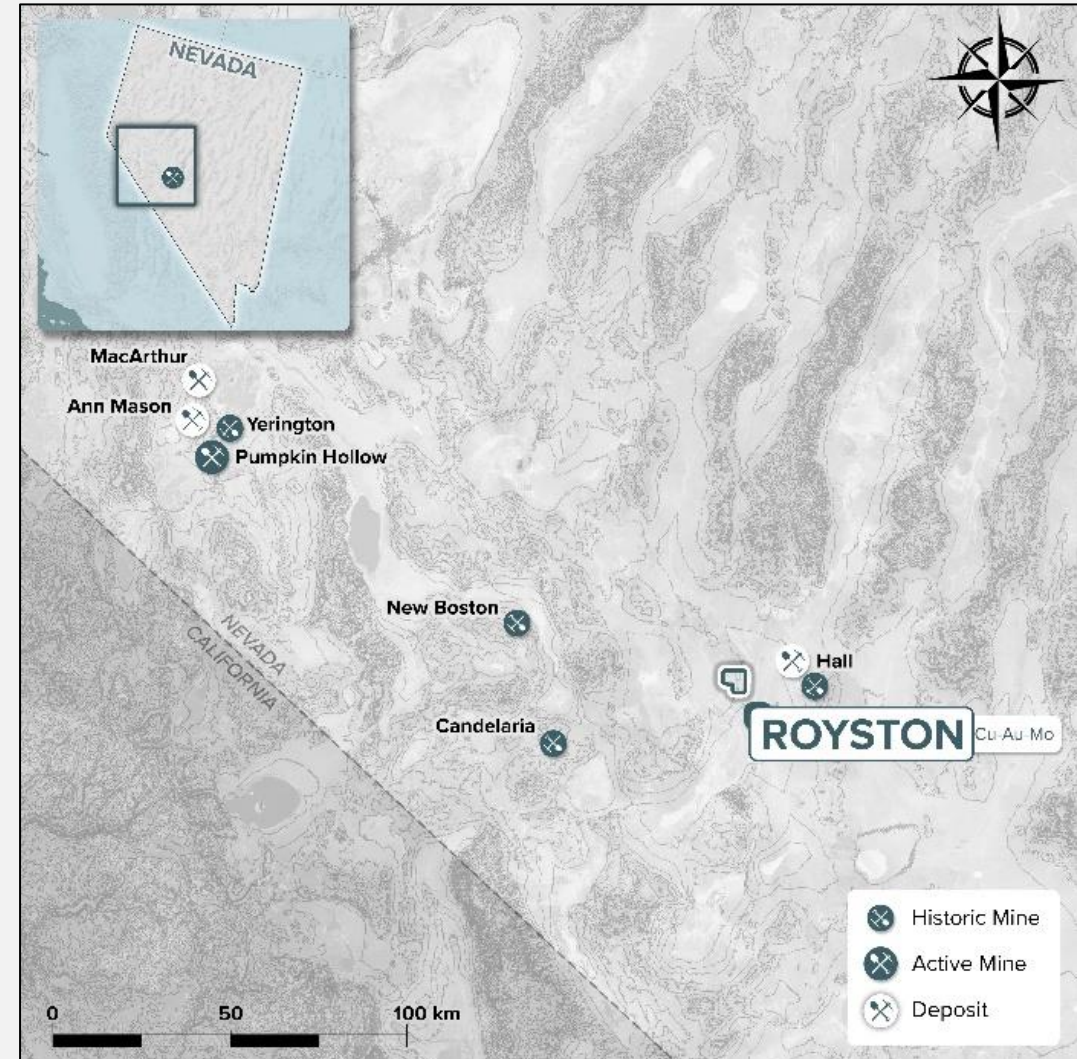
Royston is over 1,855 hectares in size (comprised of 227 unpatented federal lode mining claims) and is located 30-km northwest of Tonopah in Nevada.

The principal target at Royston is a porphyry copper system within a 2.8 x 1.8 km target area.

A five-hole reconnaissance reverse circulation drill program completed late in 2023 confirmed the presence of a strongly westward tilted and fault segmented porphyry of significant scale containing intense QSP alteration and base metal mineralization.

Two of the holes were cased and are ready to be followed up with diamond core tails under the active drill permit at Royston.

Pacific Ridge plans to drill Royston in 2025.



Ripsey West copper project

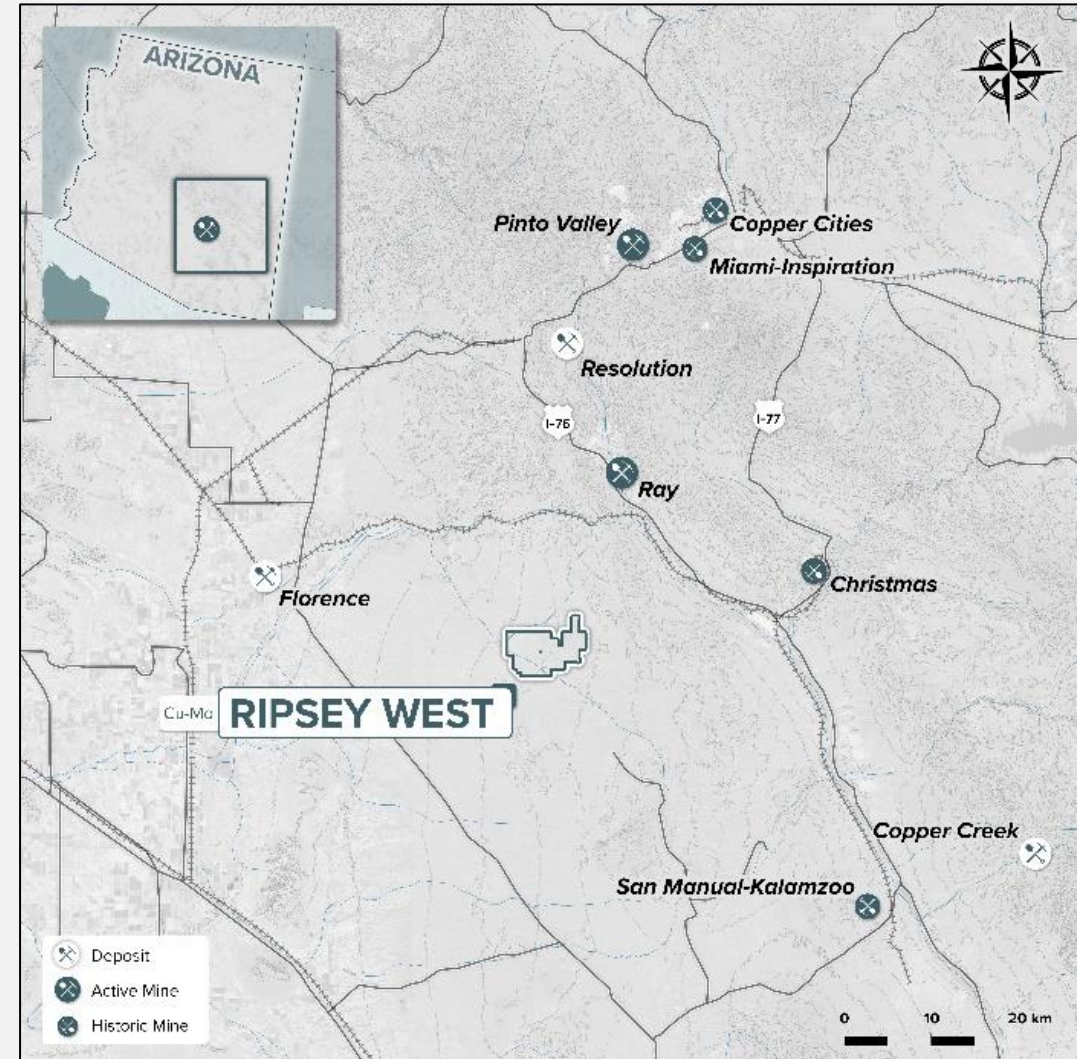
Ripsey West is ~2,160 hectares in size (comprising 36 unpatented federal lode mining claims and eight Arizona state leases) and is located 23-km south of the Ray Mine in Arizona.

The principal target at Ripsey West is a high-grade Laramide porphyry copper system.

An ENE-trending target area measures ~3.5 x 1.5 km and has potential for both hypogene mineralization and supergene enrichment.

The porphyry target area lies between a 2-km-long ENE-trending stock-shaped magnetic low feature in the west thought to be associated with a Laramide pluton, and a magnetic high feature in the east demarking the faulted basin edge.

In preparation for drilling, Pacific Ridge plans to conduct additional geophysical surveys in 2025.



Red Star copper project

Red Star is ~ 3,000 hectares in size (398 unpatented federal lode mining claims) and adjoins the eastern boundary of the Star mining district in Utah.

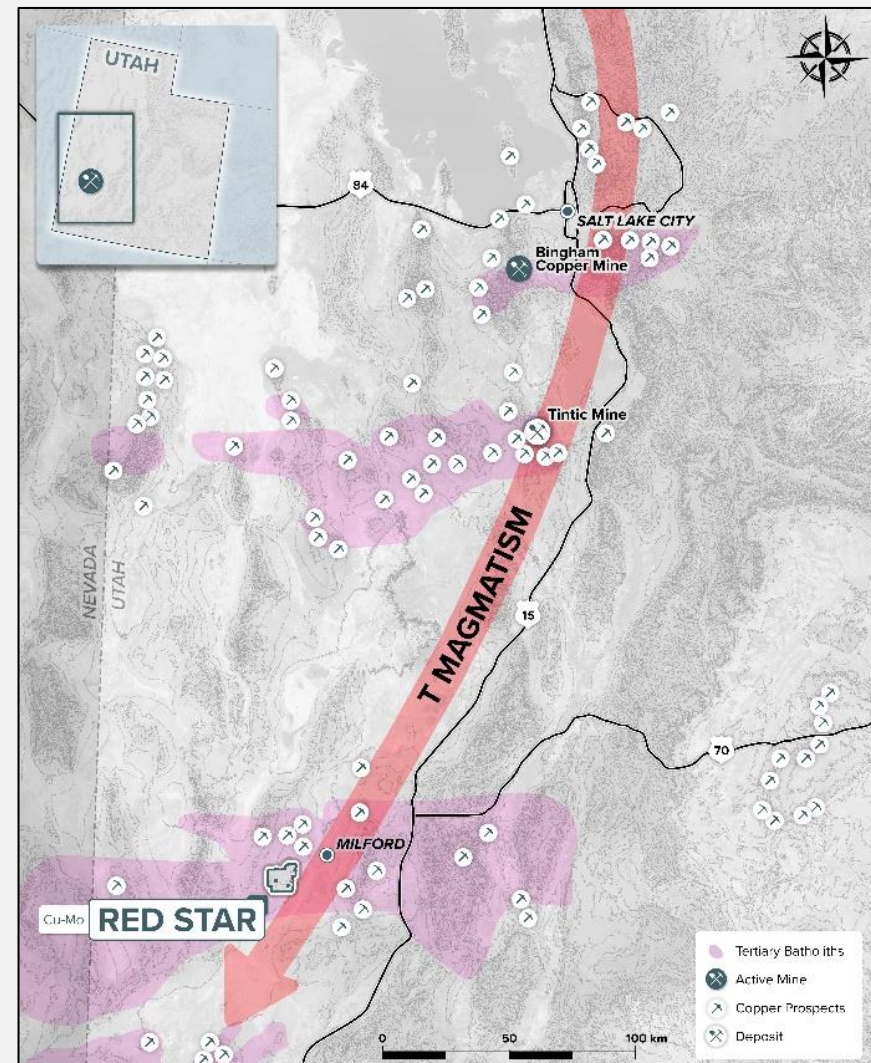
Surface alteration and mineralization suggests the presence of a porphyry copper system beneath post-mineral cover composed of volcanics and alluvium.

Geophysics (Spartan IP-MT, UAV magnetics) outlined a 2.0 x 1.5 km target area.

Polymetallic (Pb-Zn-Ag-Cu-Au) fissure veins, mantos, and local Zn-rich skarn are hosted in east-tilted and fault-repeated Paleozoic carbonate rocks in the Star mining district.

These fissure veins may be analogous to fissure veins found in the periphery of the Bingham and Tintic districts.

Red Star also shares a similar regional geophysical signature with Bingham and Tintic porphyry copper deposits, which lie within ENE-trending aeromagnetic domains considered to be representative of Tertiary batholiths.



Canadian copper projects

Pacific Ridge owns or controls five copper projects in B.C.

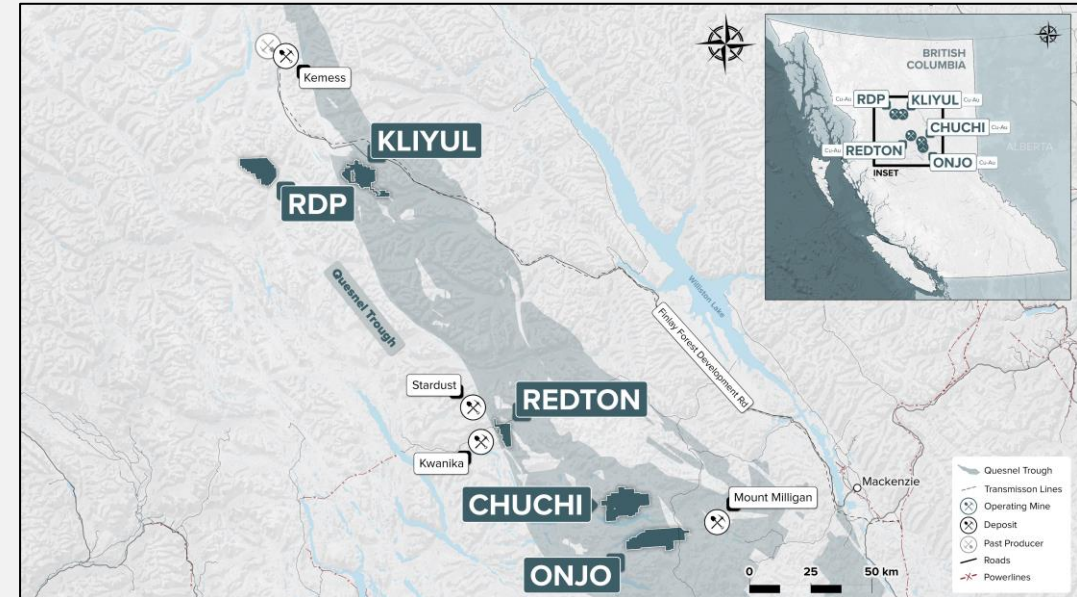
Four of the Company's copper projects are located in the prolific Quesnel terrane, which spans the length of the province and hosts numerous porphyry mines, including Copper Mountain, Highland Valley, New Afton, Gibraltar, and Mount Milligan.

Recent M&A activity in B.C.:

- Hudbay – Copper Mountain (\$430M).
- Newmont - Newcrest (Red Chris) \$806M.
- Newmont - GT Gold (\$450M).

Pacific Ridge's principal Canadian copper projects are the Kliyul copper-gold project and the RDP copper-gold project.

The Company has spent more than CAD\$18.0M at Kliyul and RDP since 2021.



Kliyul copper-gold project

Kliyul is owned 100% by Pacific Ridge and is located close to existing infrastructure

Similar geological environment and comparable grades to other B.C. porphyry deposits/mines.

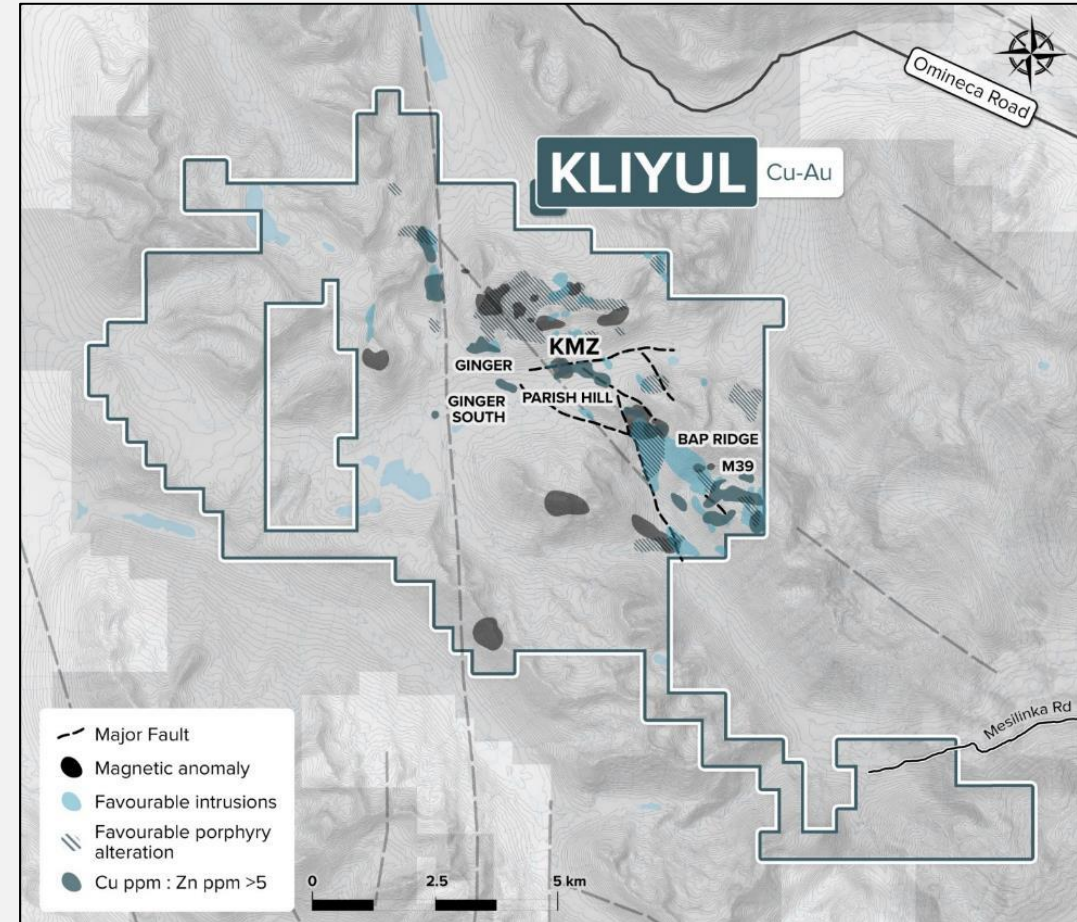
Drill hole KLI-21-037 returned 316.7 m of 0.79% CuEq* or 1.17 g/t AuEq** (0.30% Cu, 0.70 g/t Au, and 2.17 g/t Ag).

~19,000 m of drilling and more than CAD\$14.0M spent since 2021.

Mineralized extents of the Kliyul Main Zone (“KMZ”) measure ~760 m (E-W) x ~600 m (N-S) x ~650 m vertical depth and remains open.

ZTEM survey suggests that only one part of the system has been tested and that much of it remains undiscovered and hidden to the north.

Actively pursue a joint venture partner to continue advancing Kliyul.



*CuEq = ((Cu%) x \$Cu x 22.0462) + (Au(g/t) x AuR/CuR x \$Au x 0.032151) + (Ag(g/t) x AgR/CuR x \$Ag x 0.032151) / (\$Cu x 22.0462).
 **AuEq = ((Au(g/t) x \$Au x 0.032151) + ((Cu%) x CuR/AuR x \$Cu x 22.0462) + (Ag(g/t) x AgR/CuR x \$Ag x 0.032151)) / (\$Au x 0.032151).
 Commodity prices: \$Cu = US\$3.25/lb, \$Au = US\$1,800/oz., and Ag = US\$20.00/oz.
 There has been no metallurgical testing on Kliyul mineralization. The Company estimates copper recoveries (CuR) of 84%, gold recoveries (AuR) of 70%, and silver recoveries (AgR) of 65% based on the average recoveries from KUG, Mount Milligan, and Red Chris.
 Factors: 22.0462 = Cu% to lbs per tonne, 0.032151 = Au g/t to troy oz per tonne, and 0.032151 = Ag g/t to troy oz per tonne.

RDP copper-gold project

RDP is owned 100% by Pacific Ridge and is located 40 km to the west of the Kliyul.

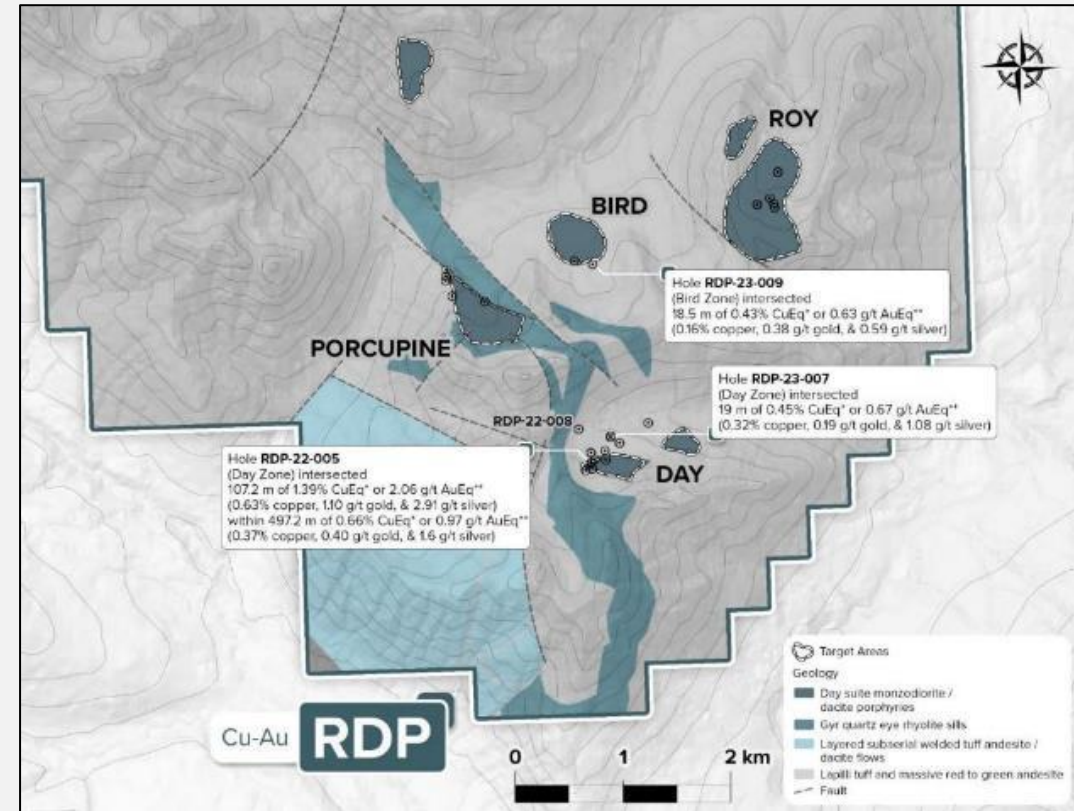
From 2022-2024, RDP was under option to Antofagasta.

Drill hole RDP-22-005 intersected 107.2 m of 1.39% CuEq* or 2.06 g/t AuEq** (0.63% Cu, 1.10 g/t Au, and 2.91 g/t Ag) within 497.2 m of 0.66% CuEq* or 0.97 g/t AuEq** (0.37% Cu, 0.40 g/t Au, and 1.60 g/t Ag).

RDP-22-005 was one of best porphyry intervals in B.C. in 2022.

More than CAD\$4.0M spent on exploration since 2022.

Actively pursue a joint venture partner to continue advancing RDP.



*CuEq = ((Cu%) x \$Cu x 22.0462) + (Au(g/t) x AuR/CuR x \$Au x 0.032151) + (Ag(g/t) x AgR/CuR x \$Ag x 0.032151) / (\$Cu x 22.0462).

Commodity prices: \$Cu = US\$3.25/lb, \$Au = US\$1,800/oz., and Ag = US\$20.00/oz.

There has been no metallurgical testing on RDP mineralization. The Company estimates copper recoveries (CuR) of 84%, gold recoveries (AuR) of 70%, and silver recoveries (AgR) of 65% based on the average recoveries from KUG, Mount Milligan, and Red Chris.

Factors: 22.0462 = Cu% to lbs per tonne, 0.032151 = Au g/t to troy oz per tonne, and 0.032151 = Ag g/t to troy oz per tonne.

American and Canadian gold projects

Pacific Ridge plans to spin out the newly acquired Mineral Hill (Wyoming) and the Company's gold projects in the Yukon (Mariposa, Eureka, and Gold Cap) to create a new, North American gold focused exploration company.

Mineral Hill is located in eastern Wyoming in the Black Hills gold province.

~25-km to the east, the historic Homestake gold mine produced more than 40 million ounces of gold¹.

100% owned by Pacific Ridge, Mariposa is located in the Yukon's White Gold District, ~30-km northeast of Newmont's Coffee Gold Project.

Drill highlights at Mariposa include drill hole 11-MP-01, which returned 6.44 g/t gold over 11.1 metres within 2.44 g/t gold over 39 metres.



¹ Maps Showing Geology, Structure, and Geophysics of the Central Black Hills, South Dakota (USGS) https://pubs.usgs.gov/sim/2777/downloads/2777_pamphlet_508.pdf

Mineral Hill gold project

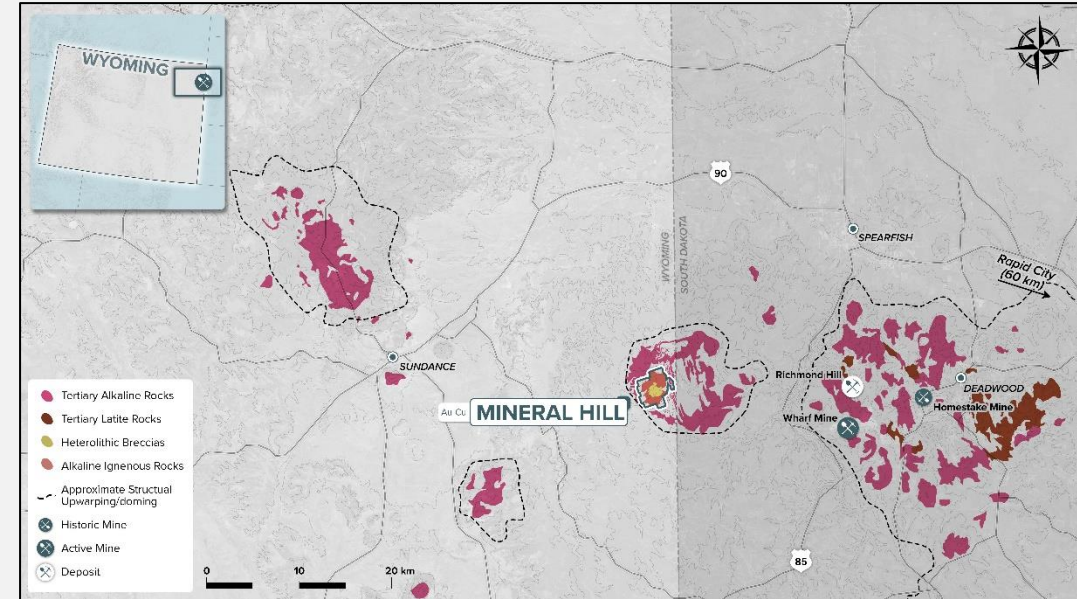
Mineral Hill is over 900 hectares in size (comprising 19 patented lode and placer claims, and 177 unpatented federal lode mining claims) and is located in eastern Wyoming in the Black Hills gold province.

~25-km to the east, the historic Homestake gold mine produced more than 40 million ounces of gold¹.

~20-km to the east, Coeur Mining, Inc. is mining epithermal gold-silver mineralization at the Wharf Mine and Dakota Gold Corp. is advancing their Maitland Gold and Richmond Gold Project.

Targets at Mineral Hill include high-grade epithermal gold veins and disseminated and stockwork veined porphyry gold-copper mineralization.

Following the spin out, Pacific Ridge will look to advance Mineral Hill to the drilling stage.



¹ Maps Showing Geology, Structure, and Geophysics of the Central Black Hills, South Dakota (USGS) https://pubs.usgs.gov/sim/2777/downloads/2777_pamphlet_508.pdf

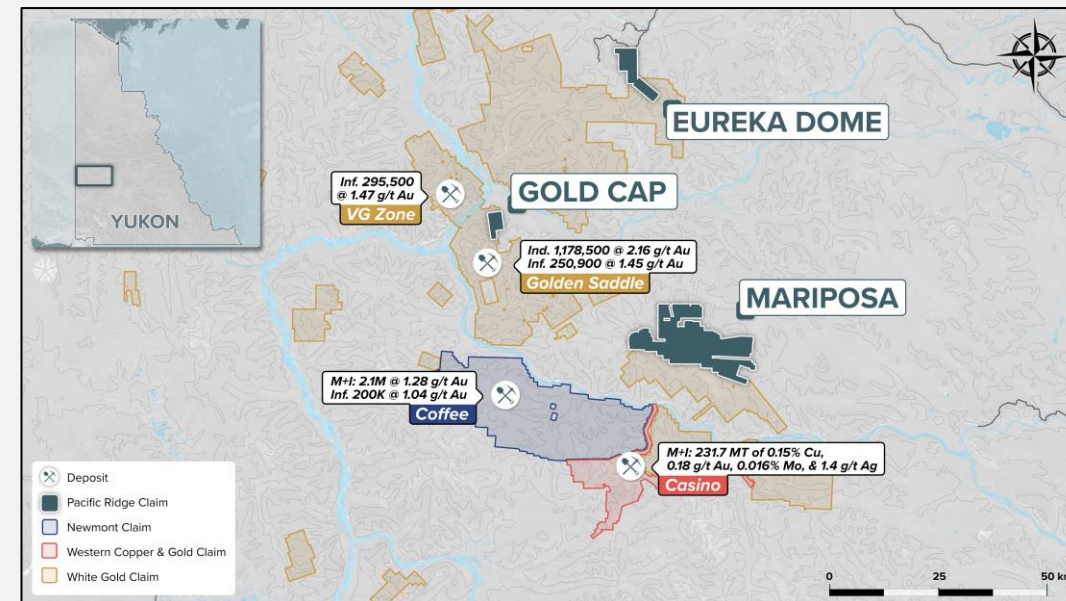
Yukon gold projects

Owned 100% by Pacific Ridge, Mariposa is located in the Yukon's White Gold District, ~40-km southeast of Golden Saddle and ~ 30-km northeast of Coffee.

The geological setting is similar to Golden Saddle and Coffee properties in terms of the host lithologies, the structural controls and brittle style of deformation and the nature of gold mineralization

Drill highlights at Mariposa include drill hole 11-MP-01, which returned 6.44 g/t gold over 11.1 metres within 2.44 g/t gold over 39 metres.

Pacific Ridge has spent ~CAD\$6.0M on exploration at Mariposa.



Key management

Gerald G. Carlson, PhD, PEng.

Chairman & Director

Over 40 years' experience in mining and mineral exploration with a focus on precious and base metal deposits in Canada. Received the J.C. Sproule Award for his work in the Yukon.

Danette Schwab, BSc., PGeo.

Vice President Exploration

Nearly 20 years' experience in mining and mineral exploration with a number of junior and intermediate mining companies. Ms. Schwab has experience exploring for a number of deposit types, including porphyry copper-gold deposits.

Blaine Monaghan, MBA

President, CEO, & Director

Over 20 years of experience creating shareholder value in the exploration industry. Has raised more than \$125 million and worked with a number of companies that were subject to M&A.

C. Paul Jago, MSc., PGeo.

Chief Geologist

Nearly 20 years' experience in mining and mineral exploration in Canada and the U.S. with a focus on porphyry systems. Most recently, Paul worked for Centerra Gold Inc. as Exploration Manager, Generative - North America.

Technical committee

Bruce Youngman, BSc.

Committee Member and Independent Director of Pacific Ridge

Gary Baschuk, BSc.

Committee Member and Independent Director of Pacific Ridge

Craig Hart, PhD

Committee Member

Jim Logan, PGeo.

Committee Member

Dan Core, PhD

Committee Member

Gerald G. Carlson, PhD, PEng.

Committee Member and Chairman of Pacific Ridge

Danette Schwab, BSc., PGeo.

Committee Member and V.P. Exploration of Pacific Ridge

C. Paul Jago, MSc., PGeo.

Committee Member and Chief Geologist of Pacific Ridge

Corporate information

Shares trade on TSX.V:PEX; OTCQB: PEXZF; PQWN: FSE

Common shares: 17.4M

Warrants: 4.7M

Stock options: 0.7M

Full diluted: 22.8M

52 week high/low: \$0.15/\$1.50

Market capitalization: ~\$3.5M

Why invest?

Attractive valuation:

- Current market capitalization of CAD\$3.5M.
- CAD\$18.0M spent on 100% owned Kliyul copper-gold project (B.C.) and RDP copper-gold project (B.C.).
- Acquisition of a portfolio of U.S. copper and gold projects establishes Pacific Ridge as one of North America's leading copper exploration companies – the Company now owns or controls eight copper projects located in premier copper mining districts in America and Canada.

Turnaround year:

- Actively explore the Royston copper project (Nevada), the Ripsey West copper project (Arizona), the Red Star copper project (Utah), and the Mineral Hill gold project (Wyoming).
- Aggressively pursue joint venture partners to fund continued exploration at Kliyul and/or RDP.
- Unlock value by spinning out the newly acquired Mineral Hill gold project and the gold projects in the Yukon (Mariposa, Eureka, and Gold Cap) to create a new, North American gold focused exploration company.

Appendix

EMX deal terms

Pacific Ridge can earn 100% interest in each Project over a five-year option period by satisfying the following terms on a per-Project basis: a) pay \$60,000 in cash and issue 200,000 Pacific Ridge shares (on a post 10:1 consolidation basis), and b) make option payments totaling \$180,000, issue 1,175,000 additional shares, and complete \$2,250,000 in exploration expenditures over the five-year term of the option agreement.

Upon option exercise by the Company, EMX will retain a 3% NSR royalty on each applicable Project; 1% of the royalty may be bought back by first completing an initial 0.5% royalty buyback for a payment of \$1,000,000 to the Company prior to the eighth anniversary of the Effective Date of the Agreement. If the first buyback is completed, then the remaining 0.5% of the royalty buyback can be purchased any time prior to production for \$3,000,000. Pacific Ridge will also make AAR payments of \$25,000 per Project, which will increase by \$10,000 per year until reaching a cap of \$75,000 per year.

In addition, the Company will make Project milestone payments consisting of: a) \$500,000 upon completion of a Preliminary Economic Assessment, b) \$1,000,000 upon completion of a Pre-Feasibility study, and c) \$2,000,000 upon completion of a Feasibility Study.



1111 Melville Street, Suite 1100
Vancouver BC V6E 3V6
www.pacificridgeexploration.com

Blaine Monaghan
President & CEO
Phone: 604-687-4951
bmonaghan@pacificridgeexploration.com

TSX.V: PEX

OTCQB: PEXZF