

Exploration and mining in the Northwest Region, British Columbia



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1. Introduction

The Northwest Region of British Columbia has a long history of mineral exploration and mining and is prospective for a wide range of commodities including precious metals, base metals, and coal. The region includes about 263,000 km² of British Columbia, approximately 25% of the province (Fig. 1). Although exploration is concentrated in a loosely defined area in the northern part of the region popularly known as the 'Golden Triangle', several projects operated to the south and southeast. Exploration at advanced projects supported by mid-tier and major companies remained at levels similar to recent years, making up a large portion of the exploration expenditures in the region. Grassroots and early-stage exploration projects by junior companies had decreased financing relative to recent years.

Estimates for exploration expenditures, drilling programs, and other metrics were captured in the British Columbia Mineral and Coal Exploration Survey, a joint initiative of the Province of British Columbia Ministry of Mining and Critical Minerals, the Association for Mineral Exploration (AME), and EY LLP. For the Northwest Region, exploration expenditures are estimated at \$347.6 million. The estimate for exploration drilling is 303,400 m (Clarke et al., 2025; EY LLP, 2025).

The Northwest Region contains two operating metal mines (**Brucejack** and **Red Chris**). The region also has eight proposed metal mines (**Dome Mountain Gold**, **Eskay Creek**, **Galore Creek**, **Kitsault**, **KSM**, **Kutcho**, **New Polaris**, and **Red Mountain**), and one proposed coal mine (**Tenas**). One mine development project is currently under construction (**Premier Gold**). Numerous grass roots, early- to advanced-stage projects were tracked, and selected projects are discussed below. Large industrial projects in the region are driving demand for aggregate, and placer gold mining continues throughout the region. The region has a long history of small-scale jade mining, both in situ and placer. However, in 2021, a provincial government Order in Council was announced restricting jade mining. In May 2024, an Environment and Land Use Act order was established limiting jade mining activities in the northwest. It also restricts new jade tenures in the region and other areas of the province. Current tenure holders listed in the order will

be able to continue jade mining for five years with enhanced reclamation requirements. After this five-year period these jade operations will be restricted from further production or development.

Noteworthy financings, earn ins, and mine news were announced in 2024. Blue Lagoon Resources Inc. received a draft mine permit for the Dome Mountain Gold project and are working to finalize the permit. Some large financings were completed such as Skeena Resources Limited securing a US\$750 million funding package for **Eskay Creek**. Ascot Resources closed a \$34 million deal in July and secured \$52 million in November. Coeur Mining Inc. announced a private placement of \$34 million to advance their **Silvertip** project. Dolly Varden Silver Corp.'s financings totalled \$32.2 million. American Eagle Gold Corp. received a \$29.16 million investment from South32 Limited, for a 15% interest in the company. Thesis Gold Inc. completed \$31 million in financings for their **Lawyers-Ranch** project and Goliath Resources Limited received \$16.1 million in financing. African Rainbow Minerals Limited has invested \$3.9 million for a 15% interest in Surge Copper Corp. Scottie Resources completed a financing arrangement with Franco-Nevada Corporation totalling \$8.1 million for a 2.0% gross production royalty on all of Scottie's existing claims in the Stewart area. Commander Resources and Enduro Metals have entered into an amalgamation agreement for Enduro Metals to acquire Commander Resources (subject to approval).

2. Geological overview

The endowment of metals in British Columbia is closely linked to the tectonic evolution of the Canadian Cordillera. These orogenic processes began with the accretion of allochthonous terranes that were welded to, and deformed with, the western margin of Ancestral North America, primarily in the Jurassic. This was followed with post-accretionary tectonism and magmatism (e.g., Nelson et al., 2013). The Northwest Region provides a transect across much of the Cordilleran orogen (Fig. 1) with several distinct tectonostratigraphic terranes. From east to west the region is underlain by: 1) autochthonous and parautochthonous carbonate and siliciclastic strata deposited

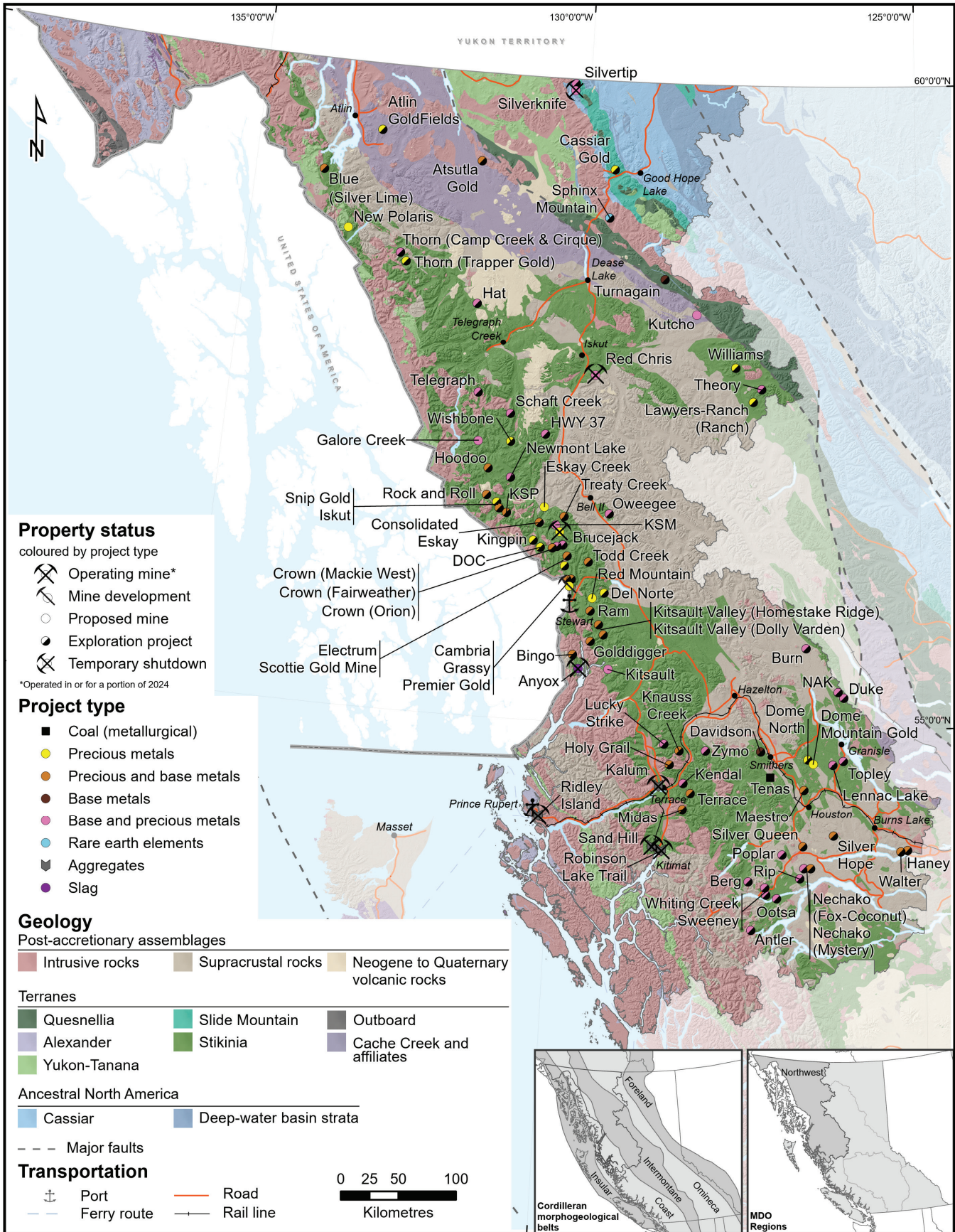


Fig. 1. Mines, proposed mines, and selected exploration projects, Northwest Region, 2024. Terranes after Nelson et al. (2013).

on the flank of Ancestral North America (Laurentia); 2) the Intermontane terranes, including the Slide Mountain terrane (back-arc basin); the Yukon-Tanana terrane (a rifted Devonian pericratonic arc); the Quesnel and Stikine volcanic arc terranes (formed outboard of Ancestral North America starting in the Late Paleozoic and accreted in the Middle Jurassic); and the Cache Creek oceanic terrane, which intervenes between Quesnellia and Stikinia; 3) the Alexander terrane; 4) post-accretionary rocks; and 5) younger cover rocks. The allochthonous terranes initially accreted to each other and to western North America in the Jurassic. Since then, the region has been intruded by post-accretion plutonic suites and covered, in part, by Jurassic and younger syn- and post-accretionary siliciclastic deposits. For details about the geology, metallogeny, and tectonics of the Northwest Region see Nelson et al. (2013) and Colpron and Nelson (2021).

3. Mines and quarries

In 2024, two metal mines operated in the Northwest Region (**Brucejack** and **Red Chris**). One industrial mineral mine (**Anyox**) and numerous aggregate operations supplied large-scale industrial projects and local townships throughout the region (Fig. 1; Tables 1, 2). Placer gold mining is ongoing, predominantly in the Atlin and Turnagain areas.

3.1. Metal mines

The **Brucejack** and **Red Chris** mines operated in 2024 (Fig. 1; Table 1).

3.1.1. Brucejack (Newmont Corporation)

Newmont Corporation acquired Newcrest Mining Limited in 2023 and assets included the **Brucejack** gold-silver mine. The underground mine is accessed by a 75 km all-season mining road off Highway 37. The last 12 km of the road is across the Knipple glacier. A 57 km-long transmission line built specifically for the mine supplies power. Production for the first three quarters totalled 186,000 oz of Au. As of December 2023, Newcrest reported Probable reserves of 11.5 Mt at 8.44 g/t Au and 34.71 g/t Ag. Indicated mineral resource estimates totalled 1.8 Mt grading 7.64 g/t Au and 8.09 g/t Ag. Inferred resources totalled 12.1 Mt grading 10.35 g/t Au and 10.02 g/t Ag.

The Brucejack ore body incorporates the Valley of the Kings (VOK) and West zones. Several other mineralized zones in phyllic-altered rocks extend across an area 5 by 1.5 km (from south to north: Bridge, Waterloo, Shore, SG, Gossan Hill, Golden Marmot, and Hanging Glacier). Interpreted as an intermediate-sulphidation epithermal gold-silver deposit, mineralization occurs in sheeted veins, breccia veins, and vein stockworks that cut Lower Jurassic metasedimentary and volcanic rocks of the Hazelton Group. Gold and silver at both the VOK and West zones are mainly in electrum and lesser sulphosalts. Visible gold is common. Chalcopyrite, galena, and sphalerite are also common.

3.1.2. Red Chris (Newmont Corporation 70%, Imperial Metals Ltd. 30%)

Newmont Corporation's acquisition of Newcrest Mining Limited in 2023 included 70% ownership of the **Red Chris** open pit copper-gold mine. The mine is 17 km east-southeast of the community of Iskut and is accessed from Highway 37. The Northwest Transmission Line powers the site. Production to the end of the third quarter of 2024 totalled 35,452 oz Au and 56.37 Mlbs Cu. A new mineral resource estimate (December 2023) was released with Probable open pit reserves of 43.1 Mt grading 0.43% Cu and 0.37 g/t Au and Probable underground reserves 245.3 Mt grading 0.52% Cu and 0.64 g/t Au. Resources are Indicated 478.1 Mt grading 0.34% Cu and 0.34 g/t Au and Inferred 88.7 Mt grading 0.36% Cu and 0.35 g/t Au. Resources are exclusive of reserves. The deposit is hosted by the Red stock (U-Pb zircon 203.8 Ma; Rees et al., 2015), which intrudes and alters Upper Triassic Stuhini Group rocks, and is faulted against Middle Jurassic rocks of the Bowser Lake Group. Rees et al. (2015) described multiple igneous phases, alteration, and controls on mineralization.

3.2. Coal mines

In 2024, no coal mines operated in the Northwest Region. The **Tenas** project is listed as a proposed mine (section 6.2.1.).

3.3. Industrial mineral mines and quarries

Tru-Grit Abrasives (Fig. 1; Table 2) is recycling slag at the historic **Anyox** site (Fig. 2), where slag was created from smelting copper. The slag is mined, cleaned, separated, and barged south for roof shingles and sand blasting. The material is also used to add iron into Portland cement. The operation has been active for more than 30 years and more than 2.5 Mt has been reclaimed from the 4.5 Mt abandoned by smelting operations in the 1930s.



Fig. 2. Anyox slag industrial mine operation (Tru-Grit Abrasives).

3.4. Aggregate and industrial rock quarries

Numerous aggregate and quarry operations supply sand and gravel and blasted stone for large-scale industrial projects and municipalities throughout the region (Fig. 1; Table 2). Owned by the Kitsumkalum First Nation, **Kalum** is an industrial rock

Table 1. Metal mines, Northwest region.

Mine	Operator (partner)	Commodity; Deposit type; MINFILE	Forecast 2024 Production (based on Q1- Q3)	Reserves	Resources	Comments
Brucejack	Newmont Corporation	Au, Ag; Epithermal; 104B 193	248,000 oz Au, 337,300 oz Ag	Pr: 11.5 Mt 8.44 g/t Au, 34.71 g/t Ag	I: 1.8 Mt 7.64 g/t Au, 8.09 g/t Ag Inf: 12.1 Mt 10.35 g/t Au, 10.02 g/t Ag	No surface exploration at Brucejack in 2024.
Red Chris	Newmont Corporation (70%), Imperial Metals Corporation (30%)	Cu, Au, Ag; Hybrid calc- alkaline to alkalic porphyry; 104H 005	71.39 Mlb Cu, 45,700 oz Au, 126,200 oz Ag	Open Pit Pr: 43.1 Mt 0.43% Cu, 0.37 g/t Au Underground Pr: 245.3 Mt 0.52% Cu, 0.64 g/t Au	I: 478.1 Mt 0.34% Cu, 0.34 g/t Au Inf: 88.7 Mt 0.36% Cu, 0.35 g/t Au	9204 m of diamond drilling (7 holes) with focus on continuity and extension of the resource at East Ridge deposit. Newmont continued to intersect high-grade mineralization. Block cave underground mine operation plans are on track with early works advancing.

P = Proven; Pr = Probable; M = Measured; I = Indicated; Inf = Inferred

Table 2. Selected industrial mineral mines and quarries, Northwest Region.

Mine	Operator (partner)	Commodity; Deposit type; MINFILE	Forecast 2024 Production (based on Q1- Q3)	Reserves	Resources	Comments
Anyox	Tru-Grit Abrasives	Slag steel	unknown	na	na	Slag is mined, cleaned, and barged for roofing and sand for sand blasting.
Kalum	Kalum Quarry Ltd.	Industrial rock; Crushed rock	unknown	na	na	Drilling, blasting, crushing; production for CN Railway and others.
Ridley Island	Terus Construction Ltd.	Industrial rock; Crushed rock	unknown	na	na	Drilling, blasting, crushing; production for CN Railway and LNG projects.
Robinson Lake Trail	Haisla & Progressive Ventures Construction Ltd.	Industrial rock; Crushed rock	unknown	na	na	Drilling, blasting, crushing; production for CN Railway and LNG projects.
Sand Hill	Terus Construction Ltd.	Industrial rock; Crushed rock	unknown	na	na	Crushing for CN Railway and LNG projects.

P = Proven; Pr = Probable; M = Measured; I = Indicated; Inf = Inferred

quarry. It is the only pit in the region with a rail spur, and it supplies the Canadian National Railway Company with ballast. Several large aggregate pits operate near Prince Rupert (**Ridley Island**), and others operate near Kitimat (**Robinson Lake Trail** and **Sand Hill**).

4. Placer operations

Placer gold mining operations have been ongoing for more than a century in the Northwest Region and continue today with a focus in the Atlin and Turnagain areas and, to a lesser extent, north of Dease Lake and near Cassiar. Due to the large number of operations and difficulty in obtaining information, these projects are not reported on.

5. Mine development

When a project acquires the necessary permits including (Mines Act permit from the Ministry of Mining and Critical Minerals and an Environmental Management Act permit from the Ministry of Environment) and mine construction begins, the mine development stage is reached. At this stage, these expenditures are considered construction and development costs and not exploration, so they are not input in the mineral exploration expenditures survey. The only mine development project in the Northwest Region is Ascot Resources Ltd.'s **Premier Gold** project (Fig. 1; Table 3).

5.1. Premier Gold (Ascot Resources Ltd.)

Ascot Resources Ltd. received a Mines Act permit for construction and operation of their **Premier Gold** mine in 2021. Ascot has completed mill construction and started to process ore, proving the mill can operate near or above its design capacity. Ascot has produced 3430 oz gold but announced it remains focused on mine development at the Big Missouri and Premier Northern Light deposits until both deposits can sustainably deliver enough high-grade ore feed to profitably run the operation before entering mine production.

The Premier underground mine operated between 1918 and 1952 and was one of the largest gold mines in North America, producing 2 Moz Au and 45 Moz Ag. Mineralization is hosted by andesitic tuffs, lapilli tuffs, and andesitic flows of the Unuk River Formation (Hazelton Group) that are cut by early

Jurassic calc-alkaline plutons of the Texas Creek suite. The principal gold-bearing mineral is electrum in quartz breccias, veins, and stockworks generally surrounded by an alteration envelope of quartz-sericite-pyrite. Base metal mineralization is also in quartz veins as sphalerite and galena associated with argentite and freibergite. The mineralization and metal composition suggest an intermediate-sulphidation epithermal genesis. Ascot Resources secured \$52 million in financing to continue mine development to get to mine production stage. Mineral exploration carried out at Premier included 11,347 m of diamond drilling in 85 holes.

6. Proposed mines

Proposed mines are feasibility-stage projects for which proponents have begun or completed the environmental certification process (generally for late-stage projects) or have submitted or received approvals for Mines Act permits (for projects below British Columbia Environmental Assessment Act thresholds) or are waiting on existing permit amendments. Projects that have permits in place but have yet to obtain financing to begin site construction are also considered to be at the proposed stage. The Northwest Region contains eight proposed metal mines and one proposed coal mine (Fig. 1; Table 4).

6.1. Proposed metal mines

The Northwest Region contains eight proposed metal mines. **Galore Creek**, **Kitsault**, **KSM**, and **Red Mountain** have been granted an Environmental Assessment Certificate. **Eskay Creek**, **Kutcho**, and **New Polaris** are in the environmental assessment process with the Environmental Assessment Office. The **Dome Mountain Gold** project has both an Environmental Management Act Permit and a Mining Permit, which would allow annual production of up to 75,000 t.

6.1.1. Dome Mountain Gold (Blue Lagoon Resources Inc.)

The **Dome Mountain Gold** project contains a Measured resource (January 2022) of 136,000 t grading 10.32 g/t Au and 57.31 g/t Ag, an Indicated resource of 662,000 t grading 8.15 g/t Au and 41.19 g/t Ag, and an Inferred resource of 85,000 t grading 6.02 g/t Au and 26.13 g/t Ag (using a cut-and-fill mining method at 3.5 g/t Au cut off).

Table 3. Mine or quarry development, Northwest Region.

Project	Operator (partner)	Commodity; Deposit type; MINFILE	Reserves	Resources	Comments
Premier Gold	Ascot Resources Ltd.	Au, Ag; Epithermal; 104B 054	P+Pr: 3.63 Mt	I: 4.14 Mt	Ascot produced 3430 oz Au but announced it remains focussed on mine development at the Big Missouri and Premier Northern Light deposits until both deposits can sustainably deliver enough high-grade ore feed to profitably run the operation before entering mine production. 11,347 m diamond drilling in 85 holes.
			5.45 g/t Au,	8.01 g/t Au,	
			19.1 g/t Ag	35.1 g/t Ag	
				Inf: 5.06 Mt	
				7.25 g/t Au,	
				28.7 g/t Ag	

P = Proven; Pr = Probable; M = Measured; I = Indicated; Inf = Inferred

Table 4. Selected proposed mines, Northwest Region.

Project	Operator (partner)	Commodity; Deposit type; MINFILE	Reserves	Resources	Comments
Dome Mountain	Blue Lagoon Resources Inc.	Au, Ag; Au-quartz veins; 093L 276	na	M: 136,000 t 10.32 g/t Au, 57.31 g/t Ag I: 662,000 t 8.15 g/t Au, 41.19 g/t Ag Inf: 85,000 t 6.02 g/t Au, 26.13 g/t Ag (resource based on cut-and-fill method at 3.5 g/t Au cut off) (Jan. 2022)	Joint Mines Act-Environmental Act permits amendment application. If approved, mine restart planned. Environmental baseline monitoring
Eskay Creek	Skeena Resources Limited	Au, Ag, Cu, Pb, Zn; VMS and precious metal veins; 104B 008	P+Pr: 39.8 Mt 2.6 g/t Au, 68.7 g/t Ag (Nov. 2023)	M+I: 50.1 Mt 2.6 g/t Au, 63.0 g/t Ag (pit constrained) (Nov. 2023)	Feasibility Study with an after-tax internal rate of return (IRR) of 43% and a 1.2-year payback period on pre-production capital expenditures. Study included updated mineral resource estimates. Secured a financing package for US\$750 million. Skeena considers that this financing package, combined with current assets, are sufficient to fully fund the capital expenditures required to bring Eskay Creek into production. Gained BC Government approval for the extraction of a 10,000 t bulk sample.
Galore Creek	Galore Creek Mining Corp. (Teck Resources Ltd. 50%, Newmont Corporation 50%)	Cu, Au, Ag; Alkaline porphyry; 104G 090	P+Pr: 528 Mt 0.59% Cu, 0.32 g/t Au, 6.02 g/t Ag	M+I: 1.197 Bt 0.46% Cu, 0.25 g/t Au, 4.5 g/t Ag Inf: 237.8 Mt 0.26% Cu, 0.19 g/t Au, 2.6 g/t Ag (2023)	Diamond drilling (19 holes, 4056 m). Sonic drilling (16 holes, 389 m) for geotechnical purposes. Mapping, prospecting, and rock sampling.
Kitsault	New Moly LLC	Mo, Ag; Porphyry Mo (low F type); 103P 120	P+Pr: 228.2 Mt 0.083% Mo, 5.0 g/t Ag (2013)	M+I: 321.8 Mt 0.071% Mo, 4.8 g/t Ag (2012)	Environmental baseline monitoring.

Table 4. Continued.

KSM	Seabridge Gold Inc.	Cu, Au, Ag, Mo; Porphyry Cu±Mo±Au; 104B 191	P+Pr: 2.292 Bt 0.64 g/t Au, 0.14% Cu, 2.2 g/t Ag, 76 g/t Mo	M+I: 5.419 Bt 0.51 g/t Au, 0.16% Cu, 2.4 g/t Ag, 63 g/t Mo Inf: 6.685 Bt 0.33 g/t Au, 0.26% Cu, 2.1 g/t Ag, 31 g/t Mo (Total KSM deposits, resources inclusive of reserves) (2024)	Pre-Feasibility Study plan with an open pit only plan of a 33-year mine life limited to the Mitchell, East Mitchell, and Sulphurets deposits. Preliminary Economic Assessment with an underground block cave mining operation supplemented with a small open pit. Plan to operate for 39 years.
Kutcho	Kutcho Copper Corp.	Cu, Pb, Zn; Noranda/Kuroko VMS; 104I 060	Pr: 17.3 Mt 1.58% Cu, 2.31% Zn, 27.9 g/t Ag, 0.39 g/t Au	M+I: 22.8 Mt 1.52% Cu, 2.18% Zn, 0.39 g/t Au, 28.1 g/t Ag Inf: 12.9 Mt 1.10% Cu, 1.58% Zn, 0.25 g/t Au, 20.0 g/t Ag	The project would have a combined 11-year open pit and underground mine life.
New Polaris	Canagold Resources Ltd.	Au; Au-quartz veins; 104K 003	na	I: 2.965 Mt 11.61 g/t Au Inf: 926,000 t 8.93 g/t Au	Diamond drilling (34 holes, 10,300 m). Intersections of 4.4 m grading 20.2 g/t Au, (including 3.0 m of 26.9 g/t Au), 4.5 m grading 18.3 g/t Au (including 2.0 m of 33.6 g/t Au,) and 4.3 m grading 10.8 g/t Au (including 2.0 m of 15.5 g/t Au). Completed financing for \$4.1 million. The British Columbia Environmental Assessment Office has recommended that the New Polaris Project proceed to the Process Planning Phase of environmental assessment.
Red Mountain	Ascot Resources Ltd.	Au, Ag; Subvolcanic and precious metal veins; 103P 086	P+Pr: 2.54 Mt 6.52 g/t Au, 20.60 g/t Ag	M+I: 3.19 Mt 7.63 g/t Au, 21.02 g/t Ag Inf: 0.41 Mt 5.32 g/t Au, 7.33 g/t Ag	Environmental baseline monitoring.
Tenas	Bathurst Resources Limited	PCI; Bituminous coal; 093L 156	P+Pr: 62.9 Mt coal	M+I: 124.6 Mt coal Inf: 1.2 Mt coal	In the Environmental Assessment application process with baseline studies ongoing. Proposed production 775- 825 kt of steelmaking coal annually with a mine-life of 22 years.

P = Proven; Pr = Probable; M = Measured; I = Indicated; Inf = Inferred

Orogenic gold-silver mineralization is mainly in two zones (the Boulder vein and Argillite vein systems) in fragmental volcanic rocks of the Telkwa Formation and basalts or other altered volcanic rocks of the Nilkitkwa Formation. In addition to the large vein systems, more than a dozen mineralized veins occur, mostly striking east-west and northwest-southeast. Veins (0.7 to 4.5 m wide) contain quartz±calcite±ankerite with lesser sulphide mineralization. Alteration is positively correlated with gold and consists of abundant carbonate-sericite-pyrite that envelopes veins. Base metal sulphide mineralization is associated with higher gold and silver grades.

Blue Lagoon Resources Inc. has a mine restart agreement with the Lake Babine First Nation for underground mining at the Dome Mountain Gold project and has received a draft mine permit that outlines the regulatory framework for mining activities. Once the permit is finalized, they plan to restart the Dome Mountain Gold mine. In 2024, Blue Lagoon carried out baseline environmental monitoring.

6.1.2. Eskay Creek (Skeena Resources Limited)

Eskay Creek has been the focus of considerable exploration since 1932. In 1988, the news of drilling intersecting stratiform stibnite-realgar rich mineralization rich in Au (Roth, 1989) at the 21A zone sparked a staking rush throughout the region. An underground mine operated from 1994 to 2008 and produced 3.3 Moz of Au and 160 Moz of Ag (average grades of 45 g/t Au and 2224 g/t Ag). A 2023 Feasibility Study stated an after-tax internal rate of return (IRR) of 43% and a 1.2-year payback period on pre-production capital expenditures. The study reported Proven and Probable open pit mineral reserves of 39.8 Mt containing 3.3 Moz Au and 88.0 Moz Ag with an after-tax net present value of \$2.0 billion at a base case of US\$1800/oz gold and US\$23/oz silver. Production was stated at 2.8 Moz Au and 81.14 Moz Ag for a minimum of 12 years. Skeena Resources also secured a financing package for US\$750 million. Skeena considers that this financing package, combined with current assets, are sufficient to fully fund the capital expenditures required to bring Eskay Creek into production. In December, the British Columbia Government provided approval to Skeena for the extraction of a 10,000 t bulk sample.

6.1.3. Galore Creek (Galore Creek Mining Corporation)

The **Galore Creek** alkalic complex includes multiphase syenite, monzonite, and monzodiorite dikes and stocks that cut volcanic and sedimentary rocks of the Stuhini Group. Mineralization is thought to be at the end member of the silica-undersaturated porphyry Cu-Au deposit type. At the Central zone (the principal economic resource), initial potassic alteration and gold-copper and sulphide mineralization formed from highly oxidized fluids. Hydrothermal processes during the second period generated calcic alteration and brecciation, followed by potassic alteration and mineralization of bornite and chalcopyrite (Micko et al., 2014).

The Galore Creek project contains a Proven and Probable reserve of 528 Mt grading 0.59% Cu, 0.32 g/t Au, and

6.02 g/t Ag. It has a Measured plus Indicated resource (September 2023) of 1.197 Bt grading 0.46% Cu, 0.25 g/t Au, and 4.5 g/t Ag, with an additional Inferred resource of 237.8 Mt grading 0.26% Cu, 0.19 g/t Au, and 2.6 g/t Ag. Work in 2024 consisted of 4056 m of diamond drilling in 19 holes, and 389 m of sonic drilling in 16 holes for geotechnical purposes. Other activities included mapping, prospecting, and rock sampling of regional targets. The company focused on engineering work for an ongoing prefeasibility study and on environmental studies. In September, Natural Resources Canada announced the provisional investment of \$20 million in Critical Minerals Infrastructure Funding (CMIF) to support the development of the Galore Creek access road. Completion of the access road would provide ground access to the proposed Processing Facility and connect existing infrastructure of the Khoh camp.

6.1.4. Kitsault (New Moly LLC)

New Moly LLC is proposing to construct and operate an open pit molybdenum-silver mine near Kitsault. The proposed **Kitsault** mine is fully permitted for construction and would produce molybdenum and silver for 16 years at a planned 45,500 tpd throughput. To transport materials and equipment, the project will use existing access roads and power lines and an existing permitted barge docking facility. A Preliminary Economic Assessment states a 14.6% IRR and a NPV of \$352 million over the 16+ year mine life. Measured plus Indicated resources are 321.8 Mt at 0.071% Mo and 4.8 g/t Ag (2012). The deposit is hosted in the Lime Creek intrusive complex (Eocene) that cuts Jurassic argillite and greywackes of the Bowser Lake Group. The company did baseline environmental monitoring in 2024.

6.1.5. KSM (Seabridge Gold Inc.)

The **KSM** project consists of five porphyry Cu-Au deposits: Kerr, Sulphurets, Mitchell, East Mitchell (Snowfield), and Iron Cap. It is the largest undeveloped gold project in the world by resources: Measured and Indicated resources of 5.419 Bt grading 0.51 g/t Au, 0.16% Cu, 2.4 g/t Ag, and 63 g/t Mo and an Inferred resource of 6.685 Bt grading 0.33 g/t Au, 0.26% Cu, 2.1 g/t Ag, and 31 g/t Mo. Mineral resources are inclusive of mineral reserves. The total KSM Proven and Probable reserves are 2.292 Bt grading 0.64 g/t Au, 0.14% Cu, 2.2 g/t Ag, and 76 g/t Mo.

The KSM project has a prefeasibility study plan with a 33-year mine life limited to the Mitchell, East Mitchell, and Sulphurets deposits for an open-pit operation only. A separate Preliminary Economic Assessment, for a planned 39 years of operation, is for an underground block cave mining operation supplemented by a small open pit. The peak mill feed production is planned at 170,000 tpd. The Preliminary Economic Assessment and Pre-Feasibility Study increased mineral resource and reserve estimates relative to previous reports and combine for a mine life of 72 years. Seabridge continued its early construction activities at KSM.

KSM is part of the Sulphurets district, which contains

abundant porphyry Cu-Au and related systems along a 200 km-long north-northwest trending corridor in northwestern Stikinia (Febbo et al., 2019). Four phases of calc-alkaline porphyry Cu-Au-Mo mineralization at KSM are genetically related to dioritic intrusions of the Sulphurets suite (Febbo et al., 2015), with the deposits distributed along a 12 km-long north-striking linear array. The intrusions cut volcanosedimentary rocks of the Stuhini Group (Upper Triassic) and sandstones, conglomerates, and andesitic rocks of the Jack Formation, a basal unit of the Hazelton Group (Upper Triassic to Lower Jurassic). Mineralization is disseminated in sheeted quartz veinlets and clustered quartz-vein stockworks and is open at depth. In July, the KSM project received a substantially started designation from the British Columbia Government. This designation affirms the validity of the BC Environmental Assessment Certificate (EAC) for the life of the project.

6.1.6. Kutcho (Kutcho Copper Corp.)

The **Kutcho** project is accessible by a 100 km-long seasonal gravel road and an airstrip 10 km from the project deposits. Kutcho Copper Corp. entered the environmental assessment process late in 2019 and has received a Section 11 Order that defines the scope of the assessment and the Indigenous Nations that the company will engage with. The project is not required to undertake a federal environmental assessment.

Considered Kuroko-type volcanic massive sulphide deposits, the Cu-Zn-Au-Ag mineralization is in felsic and largely fragmental volcanic rocks in the upper part of the Kutcho Formation, a Permian-Triassic unit of bimodal volcanic rocks. Reported Proven and Probable mineral reserves (July 2021) are 17.3 Mt grading 1.58% Cu, 2.31% Zn, 27.9 g/t Ag, and 0.39 g/t Au. Measured and Indicated mineral resources (inclusive of reserves) are reported as 22.8 Mt grading 1.52% Cu, 2.18% Zn, 28.1 g/t Ag, and 0.39 g/t Au. Reserves and resources are combined for the Main, Esso, and Sumac deposits. A Feasibility Study announced favourable economics using US\$3.50/lb Cu and US\$1.15/lb Zn. The project would have a combined 11-year open pit and underground mine life. In 2024, Kutcho did data compilation for exploration targeting.

6.1.7. New Polaris (Canagold Resources Ltd.)

Canagold Resources Ltd. worked towards a Feasibility Study at their **New Polaris** gold project. Current mineral resource estimates state an Indicated resource of 2.965 Mt grading 11.61 g/t Au and an Inferred resource of 926,000 t grading 8.93 g/t Au at a 4 g/t Au cut off. Canagold completed 10,300 m of resource expansion drilling in 34 holes. Results included 4.4 m grading 20.2 g/t Au (including 3.0 m of 26.9 g/t Au), 4.5 m grading 18.3 g/t Au (including 2.0 m of 33.6 g/t Au), and 4.3 m grading 10.8 g/t Au (including 2.0 m of 15.5 g/t Au). Canagold Resources completed financing for \$4.1 million. The British Columbia Environmental Assessment Office has recommended that the New Polaris Project proceed to the Process Planning Phase of the environmental assessment.

6.1.8. Red Mountain (Ascot Resources Ltd.)

Red Mountain is a proposed underground mine 18 km east-northeast of Stewart. Discovered in 1989, the project has had extensive exploration since, including 466 diamond drill holes and more than 2 km of underground development. A provincial and federal Environmental Assessment Certificate was received in 2018. The project was purchased by Ascot Resources Ltd. from IDM Mining Ltd. in 2019 for \$45 million, and a Feasibility Study was completed in 2020. Red Mountain is estimated to contain Proven and Probable reserves of 2.54 Mt grading 6.52 g/t Au and 20.60 g/t Ag. Measured and Indicated resources of 3.19 Mt grading 7.63 g/t Au and 21.02 g/t Ag and an Inferred resource of 405,000 t grading 5.32 g/t Au and 7.33 g/t Ag (reported at 3.0 g/t Au cut off for long-hole-stopping mining).

The property is underlain by Upper Triassic-Lower Jurassic metasedimentary and volcanic rocks that were intruded by a multi-phased intermediate intrusive complex. Gold occurs in pyrite-rich brecciated bodies and stockworks along the margins of the intrusive rocks, with low-temperature quartz-sericite-pyrite (phyllic) alteration containing high-grade gold and high-temperature K-feldspar alteration. Environmental baseline monitoring continued, but minimal exploration work was done on the project as Ascot concentrated on their Premier Gold project.

6.2. Proposed coal mines

There is currently one proposed coal mine, Bathurst Resources Limited's **Tenas** project.

6.2.1. Tenas (Bathurst Resources Limited)

Telkwa Coal Ltd. was purchased by Bathurst Resources Limited for US \$10.3 million in 2023; assets transferred include the **Tenas** coal project. Bathurst Resources is proposing to develop the project, which is accessible by road, approximately 17 km south of Smithers. The project entered the provincial environmental assessment process in 2018 and was proposed to produce approximately 775,000-825,000 t of steelmaking coal annually with a mine life of 22 years. The project has a reserve estimate of Proven plus Probable reserves of 62.9 Mt of coal (2017). At least 14 coal seams have been recognized in the Skeena Group (Lower-Upper Cretaceous) with individual seams up to 7.6 m thick. Currently there are four conceptual pits (from south to north: Tenas, Goathorn West, Goathorn East, and Telkwa North) on approximately 1050 ha of tenures. The current environmental assessment application is only for production of metallurgical coal from the Tenas pit. Proven plus Probable reserves for Tenas pit are 29.1 Mt.

7. Selected exploration activities and highlights

Exploration projects are described on a continuum from early to advanced stages. The earliest stage is considered grassroots. Typically, the grassroots stage includes the collection of rock and soil samples for geochemical analysis, commonly in conjunction with regional geological mapping and geophysical

surveys. This preliminary work is used to generate targets to test, usually by drilling. At these early stages, it is a common practice to establish base-line environmental testing and engage with communities and First Nations. As a project progresses, drilling may delineate a mineral resource and establish baseline economics. Later stages of exploration generally coincide with mine evaluation, feasibility, and economic studies, which include environmental, social, engineering, and financial considerations.

7.1. Selected precious metal projects

The Northwest Region has numerous precious metal projects (Fig. 1; Table 5), many of which are in the loosely defined area popularly known as the Golden Triangle.

7.1.1. Atlin Goldfields (Brixton Metals Corporation)

Eldorado Gold Corporation entered an option agreement with Brixton Metals Corporation to acquire 100% interest in the **Atlin Goldfields** project near Atlin. Brixton Metals remained the operator for the 2024 exploration program that included prospecting, geological mapping, and rock sampling.

7.1.2. Cassiar Gold (Cassiar Gold Corp.)

Cassiar Gold Corp. completed 7168 m of diamond drilling in 30 holes at their **Cassiar Gold** project. Other exploration at Cassiar Gold consisted of IP and drone magnetic-VLF geophysical surveys, prospecting, geological mapping, soil, and rock sampling. Several holes in the Taurus deposit produced long intersections with bulk tonnage gold grades and shorter intervals of high-grade gold. Highlights results from the Taurus West target included 18.1 m grading 2.28 g/t Au, 1.3 m grading 28.15 g/t Au including 0.7 m grading 40.2 g/t Au, 14.5 m grading 1.98 g/t Au, 40.8 m grading 1.68 g/t Au, and 58.5 m grading 1.1 g/t Au. At Taurus Southwest, 113.0 m graded 0.84 g/t Au. Completed financings for Cassiar Gold totalled \$7.8 Million for 2024.

7.1.3. Del Norte (Decade Resources Ltd.)

The **Del Norte** project extends across 5830 ha, 34 km east of Stewart and 5 km south of Highway 37A. Decade Resources earned 55% interest by completing expenditures of \$4 million on the project over five years and completing cash payments and issues shares to initial 100% owner Teuton Resources Corp. The area is prospective for epithermal Au-Ag and polymetallic veins. Decade completed 2015 m of diamond drilling in twelve holes.

7.1.4. DOC (Hanstone Gold Corp.)

The **DOC** project is underlain by deformed and metamorphosed Upper Triassic volcanic rocks of the Stuhini Group that are locally cut by coeval intrusions of the Bronson stock. The most significant gold and silver grades are in sulphide-bearing quartz veins. In 2024, Hanstone Gold released a Mineral Resource Estimate stating an Inferred resource of 389,000 t with a grade of 9.13 g/t Au and 39 g/t Ag at a cut off

value of 3.0 g/t AuEq. This resource contains 114,200 oz Au and 487,900 oz Ag. Metallurgical test work achieved an overall gold recovery of 95.3%.

7.1.5. Dome North (Guardsmen Resources Inc.)

The **Dome North** project claims surround the Dome Mountain Gold mine 33 km east of the town of Smithers. Guardsmen Resources is exploring for gold in polymetallic quartz veins like those found at Dome Mountain. This year soil sampling, prospecting, and rock sampling were carried out. Exploration discovered multiple gold-bearing quartz veins near the Jane Vein occurrence.

7.1.6. Kingpin (Skeena Resources Limited)

The **Kingpin** property includes a tenure area of 32,000 ha, 25 km southwest of Eskay Creek. Exploration at Kingpin consisted of an airborne magnetic geophysical survey, prospecting, geological mapping, and rock sampling.

7.1.7. Lawyers-Ranch (Ranch) (Thesis Gold Inc.)

In 2023, Thesis Gold Inc. merged with Benchmark Metals Inc. to combine the Lawyers Au-Ag project deposit and the **Ranch** project deposit as one continuous land package in the Toodoggone mining area. The company is continuing as Thesis Gold Inc. with the epithermal Au-Ag Lawyers-Ranch project. The project crosses the border between the Northwest and North Central regions. The Ranch deposit is in the Northwest Region, whereas the Lawyers deposits are in the North Central Region. Thesis released a PEA stating a 35.2% after-tax IRR and an after-tax NPV5% of C\$1.28 billion. In 2024, Thesis carried 9510 m of diamond drilling at the Lawyers-Ranch Project with more than 5400 m completed at Ranch. Drilling focused on engineering and environmental baseline studies, resource expansion, and exploration. Other exploration included prospecting, rock sampling, and geological mapping. Thesis Gold completed metallurgical and baseline environmental studies. Thesis Gold also completed financings for \$31 million. The Ranch deposit has a pit-constrained mineral resource estimate with 4.26 Mt of Indicated resource grading 2.01 g/t Au and 9.5 g/t Ag and 5.21 Mt of Inferred resource grading 1.79 g/t Au and 5.3 g/t Ag. The Out-of-Pit Mineral Resource for Ranch contains 579,000 t of Inferred resource grading 1.76 g/t Au and 4.9 g/t Ag. Highlight drilling results at a new discovery in the Ring zone of Ranch include 13.13 m grading 1.21 g/t Au and 10.18 g/t Ag, with intervals of 3.0 m grading 2.22 g/t Au and 18.33 g/t Ag and 0.45 m grading 5.92 g/t Au and 5.41 g/t Ag. Another interval graded 1.0 m of 11.32 g/t Au and 12.07 g/t Ag.

7.1.8. Scottie Gold Mine (Scottie Resources Corp.)

The **Scottie Gold Mine** project, 35 km north of Stewart, spans across 8534 ha and is centred on the past-producing Scottie Gold mine. The mine operated from 1981 to 1985, producing 95,426 oz of gold at 16.2 g/t Au. The property is crosscut by north-striking and locally abundant east-striking faults. Stanley

Table 5. Selected exploration projects, Northwest Region.

Project/ Property	Operator (partner)	Commodity; Deposit type; MINFILE	Resources (NI 43-101 operator compliant unless indicated otherwise)	Comments
Antler	Guardsmen Resources Inc.	Au, Ag, W; Polymetallic veins	na	Reconnaissance prospecting and rock sampling.
Atlin Goldfields	Brixton Metals Corporation	Au; Precious metal veins; 104N 043	na	Prospecting, geological mapping, and rock sampling. Eldorado Gold Corporation entered an option agreement with Brixton Metals Corporation to acquire 100% interest in the project, but Brixton remained the operator.
Atsutla Gold	Trailbreaker Resources Ltd.	Au, Ag; Polymetallic veins; 104O 007	na	21 line-km IP survey and a combined airborne magnetic and radiometric survey on the Swan zone, geological mapping, prospecting and soil and rock sampling. Highlight samples: the Swan zone 11.7 g/t Au, 95 g/t Ag, and 0.81% Cu. The Willie Jack zone up to 9.9 g/t Au.
Berg	Surge Copper Corp.	Cu, Mo, Ag; Porphyry Cu±Mo±Au; 093E 046	M+I: 1.009 Bt 0.23% Cu, 0.03% Mo, 4.6 g/t Ag Inf: 542 Mt 0.17% Cu, 0.02% Mo, 3.7 g/t Ag (2023)	4157 m diamond drilling (11 holes), geological mapping, prospecting, and soil and rock sampling. Surge Copper Corp. completed \$3.9 million in financing with South African mining company African Rainbow Minerals Limited for a 15% interest in the company. Surge Copper has entered into an agreement to acquire another 6320 ha of mineral claims adjacent to the western margin of the Berg project. Highlight results: 320 m grading 0.29% Cu, 0.048% Mo, and 4.26 g/t Ag, including 28 m grading 0.99% Cu, 0.052% Mo, and 10.82 g/t Ag, 412 m grading 0.24% Cu, 0.042% Mo, and 5.4 g/t Ag, including 18 m grading 0.52% Cu, 0.042% Mo, and 5.36 g/t Ag.
Bingo	Juggernaut Exploration Ltd.	Au, Cu, Pb, Zn; Polymetallic veins	na	3464 m of diamond drilling in 24 holes. Prospecting, mapping, and rock sampling.
Burn	Commander Resources Ltd.	Au, Cu; Porphyry Cu±Mo±Au; 093M 134	na	Airborne magnetic and 20 line-km IP geophysical surveys, geological mapping, prospecting, and rock sampling. Commander Resources and Enduro Metals have entered into an amalgamation agreement for Enduro Metals to acquire Commander Resources and become the new operator of the Burn project (subject to approval).
Cambria	Scottie Resources Corp.	Au, Ag, Cu; Polymetallic veins, Porphyry Cu±Mo±Au	na	Geological mapping, soil sampling, and prospecting.

Table 5. Continued.

Cassiar Gold	Cassiar Gold Corp.	Au; Precious metal veins; 104P 012, 19	Inf: 37.9 Mt 1.14 g/t Au (0.5 g/t Au cut off) (2022)	7168 m of diamond drilling in 30 holes. IP and drone magnetic-VLF geophysical surveys, prospecting, geological mapping, soil, and rock sampling. Highlight results: 18.1 m grading 2.28 g/t Au, 1.3 m grading 28.15 g/t Au including 0.7 m grading 40.2 g/t Au, 14.5 m grading 1.98 g/t Au, 40.8 m grading 1.68 g/t Au, and 58.5 m grading 1.1 g/t Au. At Taurus Southwest, 113.0 m graded 0.84 g/t Au.
Consolidated Eskay	Eskay Mining Corp. 80%, Kirkland Lake Gold Ltd. 20%	Au, Ag, Cu, Zn; Noranda/Kuroko massive sulphide; 104B 385	na	Prospecting, geological mapping, and rock sampling. Highlight rock samples: 14 rock samples from the Scarlet-Tarn trend returned above 1 g/t Au including a sample with 108 g/t Au, 109 g/t Ag, 2.8% Pb, and 1% Zn. Three rock samples from C10-Vermillion graded 205 g/t Au, 118 g/t Ag, and 0.7% Cu; 75.2 g/t Au, 371 g/t Ag, and 1.6% Cu; and 72.7 g/t Au, 79.2 g/t Ag, and 1.8% Cu. Three rock samples from the TM zone returned 136 g/t Au and 175 g/t Ag, 100 g/t Au and 85.7 g/t Ag, and 95.9 g/t Au and 116 g/t Ag.
Crown (Fairweather)	Goldstorm Metals Corp.	Au, Ag, Cu, Co, Zn; Polymetallic veins; 104B 169	na	Geological mapping, prospecting, and rock sampling. Highlight rock samples: Lauch zone, 55.2 g/t Au and 82.71 g/t Ag, and 2.42 g/t Au, 345 g/t Ag, 0.68% Cu, 12.22% Pb, and 27.29% Zn. A sample from the Galileo zone assayed 0.29 g/t Au, 925 g/t Ag, 3.38% Pb, and 2.32% Zn. Thirty-eight samples from at the Triton zone averaged 0.88 g/t Au.
Crown (Mackie West)	Goldstorm Metals Corp.	Au, Ag, Cu, Co, Zn; Polymetallic veins; 104B 618	na	Geological mapping, prospecting, and rock sampling. Highlight rock samples: 8916 ppm Mo, 3522 ppm Mo, and 2159 ppm Mo. A sample from float graded 26.50 g/t Au, 1028 g/t Ag, 0.05% Cu, 28 ppm Mo, and 18.28% Pb.
Crown (Orion)	Goldstorm Metals Corp.	Au, Ag, Cu, Co, Zn; Polymetallic veins; 104B 672	na	Geological mapping, prospecting, and rock sampling. Highlight rock sample assays include 30.9 g/t Au and 42.39 g/t Ag. Samples (16) taken from the Copernicus zone returned greater than 1% Cu, with one grading 0.58 g/t Au, 625 g/t Ag, and 6.57% Cu. A 1.9 m continuous chip sample graded 2.53 g/t Au, 54.7 g/t Ag, and 3.3% Cu; another 1.0 m chip sample assayed 8.76 g/t Au and 7.62 g/t Ag.
Davidson	Moon River Moly Ltd.	Mo; Porphyry Mo±Au; 093L 110	M+I: 43.896 Mt 0.21% Mo Inf: 11.907 Mt 0.18% Mo (2023)	Preliminary Economic Assessment reported post-tax 24% internal rate of return and net present value of \$602 million based on a 20-year project life at a long-term molybdenum price of \$US 21.50/lb, and a 3.3 year payback term. Diamond drilling, 1205 m in two drill holes and chemical and mineralogical analysis to evaluate the potential for the economic recovery of molybdenum and byproducts, such as tungsten, copper, rare earth elements, and gallium.

Table 5. Continued.

Del Norte	Decade Resources Ltd.	Au, Ag; Polymetallic veins; 103P 301	na	Diamond drilling (12 holes, 2015 m).
Dome North	Guardsmen Resources Inc.	Au, Ag; Polymetallic veins	na	Soil sampling, prospecting, and rock sampling.
DOC	Hanstone Gold Corp.	Au, Ag; Intrusion-related mesothermal; 104B 014	Inf: 389,000 t 9.13 g/t Au, 39 g/t Ag (cut off value of 3.0 g/t AuEq) (2024)	Released a Mineral Resource Estimate and metallurgical test work achieved an overall gold recovery of 95.3%.
Duke	Amarc Resources Ltd.	Cu, Au; Porphyry Cu±Mo±Au; 093M 009	na	10,643 m drilled (28 holes). Ground IP and airborne geophysical surveys, prospecting, and rock sampling.
Electrum	Goldstorm Metals Corp.	Au, Ag, Cu; Polymetallic veins; 104B 200	na	2233 m drilled (7 holes); surface sampling and mapping. Highlight drilling: 1.5 m grading 7.78 g/t Au and 3.54 g/t Ag, 0.45 m grading 1.39 g/t Au and 1766 g/t Ag, 1.5 m grading 2.86 g/t Au and 8.7 g/t Ag, and 1.0 m grading 2.55 g/t Au and 187 g/t Ag.
Golddigger	Goliath Resources Ltd.	Au, Cu, Pb, Zn; Polymetallic veins; 103P 341	na	38,125 m of diamond drilling in 76 holes, geological mapping, prospecting, and rock sampling. Highlight results: 5.24 m grading 34.16 g/t Au and 35.04 g/t Ag. At the Golden Gate zone, a 7.0 m intersection graded 10.41 g/t Au and 7.15 g/t Ag which included a 5.0 m interval grading 14.55 g/t Au and 9.82 g/t Ag and 3.0 m grading 24.22 g/t Au and 16 g/t Ag.
Grassy	Decade Resources Ltd.	Au, Ag, Cu, Pb, Zn; Polymetallic veins; 104A 092	na	Prospecting, geological mapping, and rock sampling. Highlight rock sample results: 31.9 g/t Au and 1432 g/t Ag, 22.92 g/t Au, 1812 g/t Ag, 0.27% Cu, 10.32% Pb, and 10.85% Zn, and 6.79 g/t Au, 5184 g/t Ag, 0.67% Cu, 19.83% Pb, and 4.35% Zn.
Haney	Centerra Gold Inc.	Cu, Mo, Ag; Porphyry Cu±Mo±Au	na	Soil sampling.
Hat	Doubleview Gold Corp.	Cu, Au; Alkalic porphyry; 104J 021	I: 150 Mt 0.221% Cu, 0.008% Co, 0.19 g/t Au, 0.42 g/t Ag Inf: 477 Mt 0.185% Cu, 0.009% Co, 0.15 g/t Au, 0.49 g/t Ag (2024)	10,088 m drilled. Doubleview completed \$4.02 million in financing. Drilling highlights: 686.0 m grading 0.23% Cu, 0.16 g/t Au, 64 g/t Co, and 0.33 g/t Ag including 154.0 m grading 0.66% Cu, 0.46 g/t Au, 112 g/t Co, and 0.96 g/t Ag including 62.0 m grading 1.12% Cu, 0.79 g/t Au, 173 g/t Co, and 1.62 g/t Ag. Within this interval 2.0 m graded 5% Cu, 2.96 g/t Au, 511 g/t Co, and 5.03 g/t Ag. Released Mineral Resource Estimate.
Holy Grail	Prospect Ridge Resources Corp.	Ag, Au, Pb, Zn; Polymetallic veins	na	Geological mapping, prospecting, and rock sampling. Completed a financing for \$5.2 million. 2023 highlight results released in 2024: Wesach Mountain showing: 5.43 g/t Au and 9 g/t Ag, another 1.13 g/t Au, 102 g/t Ag, 3.27% Pb, and 2.57% Zn. Golden Bowl showing: 9.99 g/t Au and 183 g/t Ag, and 1.81% Cu, 7.4% Pb, and 0.17% Zn.

Table 5. Continued.

Hoodoo	Skeena Resources Limited	Cu, Zn, Pb, Au; Besshi VMS and Intrusion-related precious metal veins	na	Airborne magnetic geophysical survey, prospecting, and geological mapping.
HWY 37	Kingfisher Metals Corp.	Cu, Au, Ag; Porphyry; 104G 434	na	Kingfisher acquired the 26,771 ha LGM project from Origen Resources Inc., and the 18,893 ha Ball Creek West project from P2 Gold Inc., adding them to their HWY 37 project and expanding it to 81,900 ha. IP geophysical survey, geological mapping, prospecting, and rock sampling.
Iskut	Seabridge Gold Inc.	Cu, Au; Porphyry; 104B 694	Inf: 517.3 Mt 0.33 g/t Au, 0.09% Cu, 2.7 g/t Ag (2024)	23,277 m of diamond drilling (29 holes). Highlight results from the Snip North target include 302.9 m grading 0.75 g/t Au, 3.0 g/t Ag, and 0.1% Cu, within which 55 m graded 1.14 g/t Au and 1.0 g/t Ag. Two other holes intersected 478 m grading 0.49 g/t Au, 1.5 g/t Ag, and 0.13% Cu, and 249 m grading 0.54 g/t Au, 1.6 g/t Ag, and 0.17% Cu, which included 136 m grading 0.69 g/t Au, 1.7 g/t Ag, and 0.2% Cu. First Mineral Resource Estimate released.
Kendal	Red Canyon Resources Ltd.	Cu, Au; Porphyry; 103I 083	na	2562 m of diamond drilling (5 holes). Reported assays included 593.9 m grading 0.051% Cu, 0.43 g/t Ag and 58 ppm Mo which included an interval of 123.0 m grading 0.082% Cu, 0.44 g/t Ag, and 103 ppm Mo.
Kingpin	Skeena Resources Limited	Au, Ag, Cu Pb, Zn; Precious metal veins, Polymetallic veins	na	Airborne magnetic geophysical survey, prospecting, rock sampling, and geological mapping.
Kitsault Valley (Dolly Varden)	Dolly Varden Silver Corporation	Cu, Pb, Zn, Ag, Au; Epithermal, Kuroko VMS with polymetallic veins; 103P 188	Dolly Varden I: 3.417 Mt 299.8 g/t Ag Inf: 1.285 Mt 277.0 g/t Ag (2023)	31,726 m of drilling total in 69 holes, on the Kitsault Valley project. 15,546 m of total completed at Dolly Varden. Highlights: Wolf vein - 9.38 m grading 1091 g/t Ag, 1.35% Pb, and 1.40% Zn, including 1.63 m grading 2505 g/t Ag, 3.42% Pb, and 2.88% Zn. 21.48 m grading 654 g/t Ag, 0.47% Pb, and 0.57% Zn. 27.19 m grading 513 g/t Ag, 2.95% Pb, and 1.82 % Zn including 2.8 m grading 2520 g/t Ag, 0.18 % Pb, and 0.88% Zn. At the Moose vein - 5.0 m grading 977 g/t Ag including 0.79 m grading 3670 g/t Ag.
Kitsault Valley (Homestake Ridge)	Dolly Varden Silver Corporation	Au, Ag, Pb, Zn; Polymetallic veins, Marine volcanic association Cu, Pb, Zn, Au, Ag; 103P 188	Homestake Ridge I: 0.736 Mt 7.02 g/t Au, 74.8 g/t Ag, 0.18% Cu, 0.077% Pb Inf: 5.545 Mt 4.58 g/t Au, 100 g/t Ag, 0.13% Cu, 0.142% Pb (2023)	31,726 m of drilling total in 69 holes, on the Kitsault Valley project. 16,181 m of total completed at Homestake Ridge. Highlight results: 48.23 m grading 8.85 g/t Au and 5 g/t Ag, including 13.94 m grading 29.24 g/t Au and 16 g/t Ag. Another high-grade intersection of 100.8 m graded 4.64 g/t Au and 38 g/t Ag including 34.93 m grading 12.23 g/t Au and 84 g/t Ag with 0.97 m grading 166 g/t Au and 675 g/t Ag within 34.93 m grading 12.23 g/t Au and 84 g/t Ag.

Table 5. Continued.

Knauss Creek	Prospect Ridge Resources Corp.	Ag, Au, Pb, Zn; Polymetallic veins; 103I 048	na	2229 m drilled (9 holes). Geological mapping, prospecting, and rock sampling. Completed a financing for \$5.2 million. Highlight drill results from Copper Ridge zone: 1.5 m grading 5.44 g/t Au, 21 g/t Ag, and 1.89 % Cu; 5.5 m grading 0.54 g/t Au, 22.1 g/t Ag, and 0.98% Cu; 1.5 m grading 1.79 g/t Au and 30.4 g/t Ag; 1.0 m grading 2.25 g/t Au, 5.6 g/t Ag, and 0.13% Cu; and 20.5 m grading 0.51 g/t Au and 1.7 g/t Ag.
KSP	Skeena Resources Limited	Au, Ag, Cu; Precious metal veins, Polymetallic veins	na	9200 m drilled (22 holes), prospecting, geological mapping, and rock sampling.
Lawyers-Ranch (Ranch)	Thesis Gold Inc.	Au, Ag; Epithermal; 094E 267	I: 4.26 Mt 2.01 g/t Au, 9.5 g/t Ag Inf: 5.21 Mt 1.79 g/t Au, 5.3 g/t Ag Out-of-Pit Mineral Resource Inf: 579,000 t 1.76 g/t Au, 4.9 g/t Ag (2024)	Diamond drilling (5400 m total Ranch; 9510 m total full project). Prospecting, rock sampling, and geological mapping. Completed metallurgical and baseline environmental studies and financings for \$31 million. Released a Mineral Resource Estimate for Ranch and combined Mineral Resource Estimate for Lawyers-Ranch project. Highlight results: a new discovery in the Ring zone of Ranch: 13.13 m grading 1.21 g/t Au and 10.18 g/t Ag (including intervals of 3.0 m grading 2.22 g/t Au and 18.33 g/t Ag and 0.45 m grading 5.92 g/t Au and 5.41 g/t Ag). Another interval graded 1.0 m of 11.32 g/t Au and 12.07 g/t Ag.
Lennac Lake	Goldhills Holding Ltd.	Cu, Au, Mo; Porphyry	na	Completed a biogeochemical survey.
Lucky Strike	Goliath Resources Ltd.	Cu, Au, Mo; Porphyry; 103I 204	na	1500 m of drilling, geological mapping, prospecting, rock sampling, and geophysical surveying.
Maestro	Quartz Mountain Resources Ltd.	Au, Ag, Cu, Mo; Porphyry, Polymetallic veins; 093L 028	na	Released assay results for drilling carried out in December 2023. Highlight results from the Prodigy target: 102 m grading 2.22 g/t Au and 104 g/t Ag, including 12 m grading 1.23 g/t Au and 586 g/t Ag and 36 m grading 5.73 g/t Au and 87 g/t Ag.
Midas	Juggernaut Exploration Ltd.	Au, Ag, Cu, Zn; Skarn; 103I 131	na	2738 m drilled (13 holes). Rock sampling, prospecting, geological mapping, and IP geophysical survey.
NAK	American Eagle Gold Corp.	Cu, Au; Porphyry Cu±Mo±Au; 093M 010	na	16,277 m of drilling (21 holes), prospecting, rock sampling, geological mapping. Highlight drilling results: 101 m grading 0.96 g/t Au, 0.35% Cu, 3.3 g/t Ag, and 34 ppm Mo within 451 m grading 0.28 g/t Au, 0.18% Cu, 1.17 g/t Ag, and 50 ppm Mo, 40 m grading 1.45 g/t Au, 0.36% Cu, 2.5 g/t Ag, and 41 ppm Mo within 276 m grading 0.45 g/t Au, 0.24% Cu, 1.0 g/t Ag, and 43 ppm Mo. A drill hole in the North zone included 50 m grading 0.37 g/t Au, 0.62% Cu, 2.3 g/t Ag, and 139 ppm Mo within 162.8 m grading 0.19 g/t Au, 0.39% Cu, 1.62 g/t Ag, and 71 ppm Mo. Received a \$29.16 million investment from South 32 Ltd. for a 15% interest in the company.

Table 5. Continued.

Nechako (Fox-Coconut)	Rokmaster Resources Corp.	Au, Ag; Epithermal	na	Prospecting, rock sampling, and geological mapping. Highlight channel samples include 1.0 m grading 4.95 g/t Au and 1001 g/t Ag, 1.0 m grading 2.31 g/t Au and 482 g/t Ag, 1.0 m grading 3.01 g/t Au and 635 g/t Ag, and 1.0 m grading 3.57 g/t Au and 368 g/t Ag.
Nechako (Mystery)	Rokmaster Resources Corp.	Au, Ag, Cu; Epithermal; Polymetallic veins	na	Prospecting, rock sampling, and geological mapping. A highlight rock sample assayed 5.22 g/t Au and 388 g/t Ag.
Newmont Lake	Enduro Metals Corporation	Au, Cu, Ag; Intrusion-related Au pyrrhotite veins; 104B 126	na	1250 m of drilling (4 holes). Highlights from NW zone of the McLymont fault: 12.45 m grading 10.01 g/t Au, 12.12 g/t Ag, and 0.37% Cu within 24.70 m grading 5.17 g/t Au, 6.34 g/t Ag, and 0.20% Cu. Another hole graded 6.39 m of 18.01 g/t Au, 20.55 g/t Ag, and 0.47% Cu. Enduro Metals entered into an amalgamation agreement to acquire Commander Resources and their assets (subject to approval).
Ootsa	Surge Copper Corp.	Cu, Au, Ag, Mo; Calc-alkaline porphyry; 093E 105	M+I: 438.6 Mt 0.18% Cu, 0.12 g/t Au, 0.017% Mo, 2.1 g/t Ag Inf: 137.7 Mt 0.15% Cu, 0.1 g/t Au, 0.015% Mo, 2.0 g/t Ag (2022)	897 m of drilling (2 holes). Environmental baseline data collection.
Oweegee	Sanatana Resources Inc.	Cu, Au; Subvolcanic Cu-Ag-Au (As-Sb); 104A 165	na	2359 m of diamond drilling (4 holes). Geological mapping, prospecting, soil, and rock sampling. Highlights: 44.9 m grading 0.32% Cu, 0.2 g/t Au, and 1.96 g/t Ag, and 56.24 ppm Mo. 19.1 m grading 0.09% Cu, 0.34 g/t Au, and 2.87 g/t Ag, and 2.0 m grading 1.3 g/t Au.
Poplar	Vizsla Copper Corp.	Cu, Au, Ag, Mo; Porphyry Cu±Mo±Au	I: 152.3 Mt 0.32% Cu, 0.09 g/t Au, 2.58 g/t Ag 0.009% Mo Inf: 139.3 Mt 0.29% Cu, 0.07 g/t Au, 4.95 g/t Ag, 0.005% Mo (2021)	IP geophysical survey, geological mapping, prospecting, soil, and rock sampling.
Ram	Teuton Resources Corporation	Cu, Au, Ag; Porphyry Cu±Mo±Au±Ag; 103P 308	na	Rock sampling, prospecting, geological mapping.

Table 5. Continued.

Rip	Interra Copper Corp.	Cu, Mo; Porphyry Cu±Mo±Au; 093E 092	na	Diamond drilling (2 holes, 1033 m); airborne magnetic and 3D IP surveys. Highlight rock samples: Bananas showing: 27.7 g/t Ag, 7.15% Cu, and 126 ppm Mo, 21 g/t Ag, 2.86% Cu, and 83 ppm Mo, and 18.2 g/t Ag, 3.82% Cu, and 102 ppm Mo.
Rock and Roll	Etruscus Resources Corp.	Cu, Zn, Pb, Au; Besshi VMS and Intrusion-related precious metal veins; 104B 377	Inf: 2.02 Mt 0.71 g/t Au, 87.1 g/t Ag, 0.23% Cu, 0.23% Pb, 0.98% Zn (2018)	IP geophysics, geological mapping, and rock sampling. Highlight rock samples assayed 23.8 g/t Au and 40.1 g/t Au.
Schaft Creek	Teck Resources Ltd. 75%, Copper Fox Minerals Inc. 25%	Cu, Mo, Au, Ag; Porphyry Cu±Mo±Au; 104G 015	M+I: 1.346 Bt 0.26% Cu, 0.16 g/t Au, 0.017% Mo, 1.25 g/t Ag Inf: 343.6 Mt 0.17% Cu, 0.11 g/t Au, 0.013% Mo, 0.84 g/t Ag (2021)	2472 m geotechnical drilling in 6 holes. Environmental baseline data collection.
Scottie Gold Mine	Scottie Resources Corp.	Au, Ag, Cu; Intrusion-related and Polymetallic veins; 104B 034	na	10,200 m of diamond drilling in 43 holes. Highlight results: 9.0 m grading 8.78 g/t Au and 37.0 g/t Ag with 1.0 m of 30.9 g/t Au, and 5.0 m grading 13.1 g/t Au. A new vein discovery (Wolf zone) included 4.1 m grading 37.6 g/t Au and 10.9 g/t Ag, and 2.0 m grading 19.4 g/t Au and 141.5 g/t Ag. Completed a financing arrangement with Franco-Nevada Corporation totalling \$8.1 million for a 2.0% gross production royalty on all of Scottie's existing claims in the Stewart area.
Silver Hope	Finlay Minerals Ltd.	Cu, Ag, Au, Zn, Pb, Mo; Subvolcanic Cu-Ag-Au (As-Sb); 093L 056	na	Controlled source audio-frequency magnetotelluric (CSAMT) survey.
Silverknife	CMC Metals Ltd.	Ag, Pb, Zn; Manto carbonate-replacement; 104O 034	na	Prospecting, geological mapping, and rock sampling. Released assay results from drilling in 2023 highlights: 16.19 m grading 1.14% Zn, 13.65 m grading 1.36% Zn, 1.0 m grading 189 g/t Ag, 0.27% Pb, and 0.07% Zn, and 1.2 m grading 53 g/t Ag, 3.46% Pb, and 0.74% Zn. CMC carried out prospecting, geological mapping, and rock sampling at Silverknife.

Table 5. Continued.

Silver Lime	Core Assets Corp.	Ag, Pb, Zn, Cu; Skarn carbonate replacement; 104M 022	na	3602 m drilled (11 holes). Prospecting, geological mapping, and rock sampling. Highlight drill results: 0.5 m grading 7.8% Zn, 0.25% Cu, and 10 g/t Ag within 39.9 m grading 2.5% Zn, 0.13% Cu, and 5.1 g/t Ag, 11.78 m grading 10.6% Zn, 0.36% Cu, and 16 g/t Ag, 4.10 m grading 0.20% Cu, 33.6 g/t Ag, and 0.6% Zn including 0.96 m grading 0.54% Cu and 6.9 g/t Ag and 0.64 m grading 189 g/t Ag, 3.5% Zn, and 0.9% Pb.
Silver Queen	Equity Metals Corporation	Ag, Pb, Zn, Au; Transitional porphyry-epithermal; 093L 002	I: 3.445 Mt 3.5% Zn, 2.13 g/t Au, 189 g/t Ag, 0.24% Cu, 0.6% Pb Inf: 1.9 Mt 2.0% Zn, 0.82 g/t Au, 167 g/t Ag, 0.23% Cu, 0.5% Pb (resources at NSR cut off of C\$100/t) (2022)	17,209 m of diamond drilling in 42 holes; prospecting, rock, and soil sampling. Highlight results from the George Lake target included 0.5 m grading 2.6 g/t Au, 81 g/t Ag, 0.1% Cu, 2.2% Pb, and 11.5% Zn within a 1.5 m interval grading 1.2 g/t Au, 38 g/t Ag, 0.1% Cu, 0.8% Pb, and 3.8% Zn. Results from the No. 3. North target included 3.3 m grading 2.8 g/t Au, 66 g/t Ag, 1.4% Pb, and 6.9% Zn with a 1.1 m interval within grading 4.7 g/t Au, 115 g/t Ag, 2.7% Pb, and 13.8% Zn. Results from the Camp deposit included 0.9 m grading 0.7 g/t Au, 7099 g/t Ag, 0.3% Cu, 2.0% Pb, and 5.4% Zn within 4.3 m grading 0.5 g/t Au, 1501 g/t Ag, 0.8% Pb, and 5.9% Zn. Another 0.9 m interval graded 0.9 m at 0.3 g/t Au, 1156 g/t Ag, 0.8% Pb, and 0.8% Zn within 2.9 m grading 0.2 g/t Au, 484 g/t Ag, 0.5% Pb, and 0.6% Zn.
Silvertip	Coeur Mining Inc.	Ag, Pb, Zn; Manto carbonate-replacement; 104O 038	M+I: 6.40 Mt 265 g/t Ag, 5.12% Pb, 9.68% Zn Inf: 1.69 Mt 239.5 g/t Ag, 4.43% Pb, 10.09% Zn (Jan. 2023)	Geological mapping, sampling, geophysical surveys, and drilling (48 holes, 24,619 m). Highlight results: (Saddle zone) 6.6 m grading 94.5 g/t Ag, 0.91% Pb, and 13.98% Zn, 7.0 m grading 202.5 g/t Ag, 4.58% Pb, and 7.0% Zn, and 7.8 m grading 64.9 g/t Ag, 0.31% Pb, and 15.07% Zn. (Southern Silver zone) 4.5 m grading 794.2 g/t Ag, 14.62% Pb, and 12.32% Zn, 5.8 m grading 123.7 g/t Ag, 2.0% Pb, and 1.84% Zn, and 11.3 m grading 47.4 g/t Ag, 0.36% Pb, and 9.85% Zn.
Snip Gold	Skeena Resources Limited	Au, Ag; Intrusion-related Au pyrrhotite veins; 104B 250	I: 2.74 Mt 9.35 g/t Au Inf: 0.5 Mt 7.10 g/t Au (Sept. 2023)	Environmental baseline data collection.
Sphinx Mountain	Pacific Bay Minerals Ltd.	REE	na	Geological mapping, prospecting, ground-based geophysics, stream-sediment samples (25), soil samples (189), and rock samples (3).

Table 5. Continued.

Sweeney	Coast Copper Corp.	Cu, Au; Porphyry Cu±Mo±Au	na	Prospecting, geological mapping, rock and soil sampling at the Sweeney property. Highlight rock sample assays from the Emerald zone: 4.76 g/t Au, 980 g/t Ag, 1.1% Cu, 11.79% Pb, and 15.45% Zn; 2.98 g/t Au, 148 g/t Ag, 0.79% Cu, 5.70% Pb, and 12.04% Zn; and 2.58 g/t Au, 1042 g/t Ag, 0.1% Cu, 37.8% Pb, and 1.36% Zn.
Telegraph	MTB Metals Corp.	Cu, Au; Porphyry Cu-Au (alkalic)	na	Geological mapping, prospecting, and soil and rock sampling.
Terrace	Decade Resources Ltd.	Au, Ag, Pb; Polymetallic veins; 103I 107	na	3000 m drilled (24 holes), rock sampling, and prospecting, mostly at the Terrace Gold property. Highlight results: 1.71 m grading 81.8 g/t Ag and 1.61% Cu, 0.61 m grading 54.4 g/t Ag and 3.41% Cu, and 4.36 m grading 23.7 g/t Ag and 2.69% Cu.
Theory	Eagle Plains Resources Ltd.	Au, Ag; Epithermal; 094E 230	na	Property wide airborne magnetic and radiometric survey.
Thorn (Camp Creek and Cirque)	Brixton Metals Corporation	Cu, Ag, Au; Porphyry Cu±Mo±Au; 104K 174	na	11,813 m of diamond drilling (14 holes) total at Thorn (Camp Creek) target and 2704 m (4 holes) at the Cirque target. Highlight drilling at Cirque: 87 m grading 0.20% Cu, 2.61 g/t Ag, and 34 ppm Mo, including 10.5 m grading 0.37% Cu, 5.22 g/t Ag and 36 ppm Mo. From Camp Creek: 674.8 m grading 0.26% Cu, 0.11 g/t Au, 2.70 g/t Ag, and 274 ppm Mo, intersections within included 261.7 m grading 0.35% Cu, 0.17 g/t Au, 3.26 g/t Ag, and 242 ppm Mo, 50 m grading 0.54% Cu, 0.58 g/t Au, 5.33 g/t Ag, and 176 ppm Mo and 10 m grading 0.50% Cu, 2.13 g/t Au, 5.35 g/t Ag, and 127 ppm Mo. Brixton acquired 6446 ha contiguous with Thorn.
Thorn (Trapper Gold)	Brixton Metals Corporation	Au; Epithermal; 104K 175	na	2745 m of diamond drilling (11 holes) at the Thorn (Trapper Gold) target. Highlight results: 82.0 m grading 1.27 g/t Au (including a 49 m interval grading 2.02 g/t Au, a 27 m interval grading 3.49 g/t Au, and a 2 m interval grading 44.43 g/t Au). Another hole assayed 61.95 m grading 1.02 g/t Au (including 9.25 m grading 4.79 g/t Au and 5.87 g/t Ag, and 2.25 m grading 18.50 g/t Au and 22.27 g/t Ag).
Todd Creek	Arcwest Exploration Inc.	Au, Ag, Cu, Pb, Zn; Polymetallic veins; 104A 001	na	Geological mapping, prospecting, rock and soil sampling (450 rock and 215 soil geochemical samples), and hyperspectral analysis of historic rock and drill core samples to determine alteration mineralogy.
Topley	Geologica Resource Corp.	Cu, Mo, Au; Porphyry Cu±Mo±Au; 093L 144	na	Prospecting, geological mapping, and a drone magnetic survey.

Table 5. Continued.

Treaty Creek	Tudor Gold Corp. 60% , Teuton Resources Corp. 20%, Cunningham Mining Ltd. 20%	Cu, Au; Porphyry; 104A 004	I: 730.2 Mt 0.92 g/t Au, 5.48 g/t Ag, 0.18% Cu Inf: 149.61 Mt 1.01 g/t Au, 6.02 g/t Ag, 0.15% Cu (Feb. 2024)	10,530 m of diamond drilling (7 holes). In 2024, Tudor reported high-grade gold intersections for the newly identified Supercell area including: 1) 6.3 m grading 4.25 g/t Au, 224.6 g/t Ag, and 5.96% Cu; 2) 6.0 m grading 6.44 g/t Au, 26.62 g/t Ag, and 0.04% Cu; 3) 13.5 m grading 9.58 g/t Au, 0.44 g/t Ag, and 0.01% Cu; 4) 9.0 m grading 5.08 g/t Au, 1.24 g/t Ag, and 0.02% Cu; and 5) 19.65 m grading 1.96 g/t Au, 39.05 g/t Ag, and 0.96% Cu within which was a 6.15 m interval grading 5.44 g/t Au, 63.77 g/t Ag, and 1.62% Cu. Long intervals from the DS5 domain included 227.0 m grading 1.17 g/t Au, 3.19 g/t Ag, and 0.01% Cu.
Turnagain	Giga Metals Corporation	Ni, Co, Pt, Cu, Mo; Alaskan-type, magmatic; 104I 014	M+I: 1.574 Bt 0.210% Ni, 0.013% Co, 0.020 g/t Pd, 0.022 g/t Pt Inf: 1.164 Bt 0.206% Ni, 0.012% Co, 0.016 g/t Pd, 0.018 g/t Pt (2023)	Baseline environmental studies.
Walter	Centerra Gold Inc.	Au, Ag, Pb; Polymetallic veins	na	IP geophysical survey.
Whiting Creek	Huckleberry Mines Ltd.	Cu, Mo, Au; Porphyry Cu±Mo±Au; 093E 050	na	Hyperspectral and alteration analysis of historic drill core to aid deposit characterization. Soil sampling.
Williams	Omega Pacific Resources Inc.	Au, Ag; Epithermal; 094E 028	na	1214 m drilled (3 holes). Highlight results: 96.92 m grading 2.16 g/t Au, 104 m grading 1.69 g/t Au which included 44.32 m grading 3.16 g/t Au and 18.98 m grading 6.22 g/t Au. 37 m grading 1.48 g/t Au, which included 11.25 m of 2.99 g/t Au and 1.09 m grading 9.67 g/t Au.
Wishbone	Origen Resources Inc.	Au; Au-quartz veins; 104G 185	na	Geological mapping, prospecting and soil and rock sampling. Highlight rock samples: 165 g/t Au, 6.5 g/t Au, and 5.7 g/t Au.
Zymo	Eastfield Resources Limited	Au, Ag, Cu, Pb, Zn; Polymetallic veins; 093L 324	na	IP geophysical survey, prospecting, geological mapping, rock sampling, and petrographic study.

M = Measured; I = Indicated; Inf = Inferred

and Nelson (2022) recognized Stuhini Group and a Hazelton Group rocks in the area comparable to units in the McTagg anticlinorium. Gold occurs in steeply dipping pyrrhotite-pyrite-quartz-calcite veins. Scottie Resources carried out 10,200 m of diamond drilling in 43 holes at the Blueberry Contact zone and D-zone and TerraSpec (SWIR) spectroscopy program

near the Texas Creek intrusive unit. Results included 9.0 m grading 8.78 g/t Au and 37.0 g/t Ag; this interval included higher grade intersections with 1.0 m of 30.9 g/t Au, and 5.0 m grading 13.1 g/t Au. Other intersections included 1.2 m grading 24.2 g/t Au and 8.0 g/t Ag, and 2.0 m grading 26.1 g/t Au and 9.5 g/t Ag. A new vein discovery of the Wolf zone included

4.1 m grading 37.6 g/t Au and 10.9 g/t Ag, and 2.0 m grading 19.4 g/t Au and 141.5 g/t Ag. The Blueberry Contact zone has a strike length of 1.55 km at a depth of mineralization of 525 m. In 2024, Scottie Resources completed a financing arrangement with Franco-Nevada Corporation totalling \$8.1 million for a 2.0% gross production royalty on all of Scottie's existing claims in the Stewart area.

7.1.9. Thorn (Trapper Gold) (Brixton Metals Corporation)

The **Thorn** project is one of the largest continuous mineral tenure packages in the province and has 14 copper-gold-silver targets. Brixton completed 2745 m of diamond drilling in eleven holes at the **Thorn (Trapper Gold)** target. Geological mapping, prospecting, soil, and rock sampling were also carried out at several targets. Results from the Trapper Gold epithermal target include 82.0 m grading 1.27 g/t Au, with intervals of 49 m grading 2.02 g/t Au, 27 m grading 3.49 g/t Au, and 2.0 m grading 44.43 g/t Au. Another hole assayed 61.95 m grading 1.02 g/t Au and included intervals of 9.25 m grading 4.79 g/t Au and 5.87 g/t Ag, and 2.25 m grading 18.50 g/t Au and 22.27 g/t Ag.

7.1.10. Williams (Omega Pacific Resources Inc.)

The **Williams** property extends across 11,490 ha, located just north of the Stikine River at the northwest of the Toodoggone district. Omega Pacific Resources has earned a 51% interest in the property with the option to acquire 100% over four years. Exploration included 1214 m of diamond drilling in three drill holes. Highlight drill hole results from the GIC prospect returned 96.92 m grading 2.16 g/t Au, 104 m grading 1.69 g/t Au which included 44.32 m grading 3.16 g/t Au, and 18.98 m grading 6.22 g/t Au. Another hole intersected 37 m grading 1.48 g/t Au; included within this was a 11.25 m interval grading 2.99 g/t Au and 1.09 m of 9.67 g/t Au.

7.1.11. Wishbone (Origen Resources Inc.)

The **Wishbone** property is 50 km west of the Galore Creek proposed mine, immediately north of its access road, and extends across an area of 3941 ha. The property has eleven areas targeted for gold-silver-bearing quartz-carbonate veins and VMS mineralization. Origen performed geological mapping, prospecting, and soil and rock sampling in 2024. Highlight rock samples graded 165 g/t Au, 6.5 g/t Au, and 5.7 g/t Au.

7.2. Selected precious and base metal projects

Many precious and base metal projects are active throughout the Northwest Region (Fig. 1; Table 5).

7.2.1. Atsutla Gold (Trailbreaker Resources Ltd.)

The **Atsutla Gold** project, which extends across 40,000 ha, has five gold mineralized zones: Highlands, Christmas Creek, Snook, Willie Jack, and Swan. Exploration in 2024 included a 21 line-km IP geophysical survey and a combined airborne magnetic and radiometric survey, both focused on the Swan zone, geological mapping, prospecting, and soil and rock sampling.

A total of 1165 soil and 28 rock samples were collected on the eastern side of the Atsutla Gold project. Highlight samples included 11.7 g/t Au, 95 g/t Ag, and 0.81% Cu from the Swan zone, and up to 9.9 g/t Au from the Willie Jack zone.

7.2.2. Bingo (Juggernaut Exploration Ltd.)

The **Bingo** property extends across 989 ha, 45 km southwest of Stewart. Juggernaut Exploration Ltd. completed drilling with 3464 m in 24 holes from seven drill pad locations. Exploration also included prospecting, mapping, and rock sampling. Drilling at the Bingo Main zone identified a 700 by 300 m mineralized area with shear-hosted quartz veins. Drilling intersected intervals of semi-massive sulphide (Fig. 3).



Fig. 3. Sulphide mineralization in a silicic altered zone, Bingo project (Juggernaut Exploration Ltd.).

7.2.3. Cambria (Scottie Resources Corp.)

The **Cambria** project includes 31,736 ha across 140 claims less than 1 km from Stewart. It borders Ascot Resource's Red Mountain proposed mine to the east and the Premier gold mine to the west. Scottie Resources conducted geological mapping, soil sampling, and prospecting.

7.2.4. Consolidated Eskay (Eskay Mining Corp. 80%, Kirkland Lake Gold Ltd. 20%)

Eskay Mining Corp. carried out prospecting, geological mapping, and rock sampling at their **Consolidated Eskay** project in search of volcanogenic massive sulphide (VMS) mineralization. Targets included Cumberland, C10-Vermillion, Scarlet Knob-Tarn Lake, SIB-Lulu, TM zone, and TV Extension. Fourteen rock samples from the Scarlet-Tarn trend returned above 1 g/t Au including a sample with 108 g/t Au, 109 g/t Ag, 2.8% Pb, and 1% Zn. Three rock samples from C10-Vermillion graded 205 g/t Au, 118 g/t Ag, and 0.7% Cu; 75.2 g/t Au, 371 g/t Ag, and 1.6% Cu; 72.7 g/t Au, 79.2 g/t Ag, and 1.8% Cu. Three rock samples from the TM zone returned 136 g/t Au and 175 g/t Ag, 100 g/t Au and 85.7 g/t Ag, and 95.9 g/t Au and 116 g/t Ag.

7.2.5. Crown (Orion) (Goldstorm Metals Corp.)

The **Crown (Orion)** occurrence is part of Goldstorm Metals Corp.'s Crown project. The area is being targeted for precious metal veins, subaqueous hot spring VMS mineralization, and porphyry Au-Cu mineralization. Work completed in 2024 included geological mapping, prospecting, and rock sampling. Rock sampling in the Orion area focused on the Copernicus zone, a 200 by 800 m area with sulphide mineralization (Fig. 4). Rock sample assays from Orion included 30.9 g/t Au

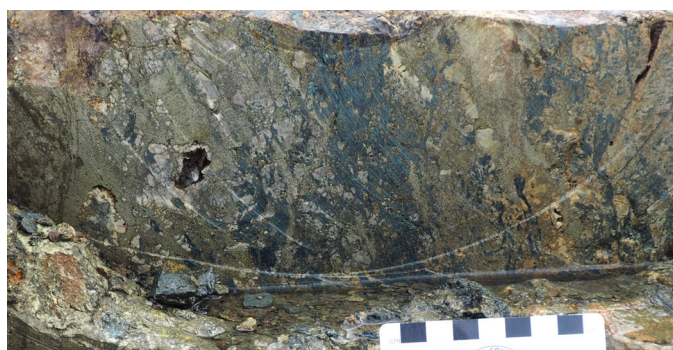


Fig. 4. Semi-massive sulphides in sheared volcaniclastic and silicified felsic volcanic rocks. Copernicus zone channel sample, Orion claims, Crown project (Goldstorm Metals Corp.).

and 42.39 g/t Ag. Samples (16) taken from the Copernicus zone returned greater than 1% Cu, with one grading 0.58 g/t Au, 625 g/t Ag, and 6.57% Cu. A 1.9 m continuous chip sample graded 2.53 g/t Au, 54.7 g/t Ag, and 3.3% Cu, another 1.0 m chip sample assayed 8.76 g/t Au and 7.62 g/t Ag.

7.2.6. Electrum (Goldstorm Metals Corp.)

The **Electrum** property is 15 km south of the Brucejack mine. The area is being targeted for precious metal veins similar to those at Premier Gold and Scottie Gold. This year, Goldstorm drilled 2233 m in seven holes and carried out surface sampling and mapping. Highlight drilling results include 1.5 m grading 7.78 g/t Au and 3.54 g/t Ag, 0.45 m grading 1.39 g/t Au and 1766 g/t Ag, 1.5 m grading 2.86 g/t Au and 8.7 g/t Ag, and 1.0 m grading 2.55 g/t Au and 187 g/t Ag. Other work included geological mapping, prospecting, and rock sampling.

7.2.7. Golddigger (Goliath Resources Ltd.)

The **Golddigger** property is 7 km west of the Dolly Varden mine access road. At the Surebet and Main zones, stratabound massive sulphide mineralization (galena-sphalerite-pyrite) and silica alteration occur in folded Hazelton Group sedimentary and volcaniclastic rocks along northwest-trending faults. Goliath completed 38,125 m of diamond drilling in 76 holes, geological mapping, prospecting, and rock sampling. Drilling focused at the Surebet target (64 of 76 holes completed) and Treasure Island target (12 holes completed). Reported results included 5.24 m grading 34.16 g/t Au and 35.04 g/t Ag. At the Golden Gate zone, a 7.0 m intersection graded 10.41 g/t Au and 7.15 g/t Ag which included a 5.0 m interval grading 14.55 g/t Au and 9.82 g/t Ag, and 3.0 m grading 24.22 g/t Au and 16 g/t Ag. Goliath also completed financings for \$16.12 million.

7.2.8. Grassy (Decade Resources Ltd.)

The **Grassy** project is 6 km north of the Premier Gold mine, 25 km north of Stewart and spans 830 ha. The project area is underlain by Hazelton Group rocks of the Betty Creek Formation (Lower Jurassic), Mount Dilworth Formation (Lower to Middle Jurassic) Salmon River Formation (Middle Jurassic). Mineralization is thought to be low-sulphidation epithermal veins in felsic pyroclastic rocks of

the Mount Dilworth Formation. Decade Resources carried out prospecting, geological mapping and rock sampling at Grassy. Highlight rock sample assays included 31.9 g/t Au and 1432 g/t Ag, 22.92 g/t Au, 1812 g/t Ag, 0.27% Cu, 10.32% Pb, and 10.85% Zn, and 6.79 g/t Au, 5184 g/t Ag, 0.67% Cu, 19.83% Pb, and 4.35% Zn.

7.2.9. Haney (Centerra Gold Inc.)

The **Haney** project is 2 km south of Highway 16 and 6 km west of the historic Endako molybdenum mine. Centerra Gold carried out soil sampling.

7.2.10. Holy Grail (Prospect Ridge Resources Corp.)

The **Holy Grail** property, 10 km north of Terrace, extends across 69,515 ha. Prospect Ridge completed geological mapping, prospecting, and rock sampling. Highlight results from the Wesach Mountain showing, sampled in 2023 but released in 2024, included 5.43 g/t Au and 9 g/t Ag. Another sample graded 1.13 g/t Au, 102 g/t Ag, 3.27% Pb, and 2.57% Zn. The Golden Bowl showing returned a sample with 9.99 g/t Au, 183 g/t Ag, 1.81% Cu, 7.4% Pb, and 0.17% Zn. Prospect Ridge also completed a financing for \$5.2 million.

7.2.11. Hoodoo (Skeena Resources Limited)

The **Hoodoo** property is 50 km northwest of Eskay Creek and directly north of Etruscus Resources Corp.'s Rock and Roll property. Skeena completed an airborne magnetic geophysical survey, prospecting, and geological mapping.

7.2.12. Iskut (Seabridge Gold Inc.)

The **Iskut** project includes the former Johnny Mountain mine and the Bronson Slope copper-gold deposit. In June, the first mineral resource estimate was released for the Bronson deposit. Inferred 517.3 Mt grading 0.33 g/t Au, 0.09% Cu, and 2.7 g/t Ag. Seabridge carried out 23,277 m of diamond drilling in 29 holes at Iskut. Drilling focused on the Snip North target, a gold zone discovered in 2023 with a surface extent of 0.5 by 1.5 km. Highlight results from the Snip North target include 302.9 m grading 0.75 g/t Au, 3.0 g/t Ag, and 0.1% Cu, within which are intervals of 55 m grading 1.14 g/t Au and 1.0 g/t Ag. Two other holes intersected 478 m grading 0.49 g/t Au, 1.5 g/t Ag, and 0.13% Cu, and 249 m grading 0.54 g/t Au, 1.6 g/t Ag, and 0.17% Cu, which included 136 m grading 0.69 g/t Au, 1.7 g/t Ag, and 0.2% Cu.

7.2.13. Kitsault Valley (Dolly Varden) (Dolly Varden Silver Corporation)

The Homestake Ridge project was combined with the Dolly Varden Silver project to consolidate into the Kitsault Valley project in 2022. **Kitsault Valley (Dolly Varden)** contains a total Indicated resource (June 2023) of 3.417 Mt grading 300 g/t Ag, and a total Inferred resource of 1.296 Mt grading 277 g/t Ag. This year 31,726 m was drilled in 69 holes. The objective was to expand resources at Dolly Varden and Homestake Ridge, follow up on new discoveries, and to increase mineral estimates

from Indicated and Inferred to Measured and Indicated. Drilling (41 holes, 15,546 m) was completed at Dolly Varden. This drilling intersected multiple sections with visible silver. Drilling at Dolly Varden at the Wolf vein intersected 9.38 m grading 1091 g/t Ag, 1.35% Pb, and 1.40% Zn, including 1.63 m grading 2505 g/t Ag, 3.42% Pb, and 2.88% Zn. Additional intersections included 21.48 m grading 654 g/t Ag, 0.47% Pb, and 0.57% Zn and 27.19 m grading 513 g/t Ag, 2.95% Pb, and 1.82% Zn, including 2.8 m grading 2520 g/t Ag, 0.18% Pb, and 0.88% Zn. At the Moose vein 5.0 m graded 977 g/t Ag including 0.79 m grading 3670 g/t Ag.

The immediate area of the Dolly Varden property has a long history of mining. Between 1910 and 1959, the Dolly Varden mine produced more than 20 Moz of silver. The property is underlain by Hazelton Group volcanic and volcanoclastic rocks. Historic and recent exploration suggest the potential for epithermal base and precious metal and volcanogenic massive sulphide deposits. Dolly Varden Silver Corporation completed \$32.2 million in financings in 2024.

7.2.14. Kitsault Valley (Homestake Ridge) (Dolly Varden Silver Corporation)

Dolly Varden Silver Corporation acquired the Homestake Ridge project in 2022 from Fury Gold Mines Ltd. and combined resources with the Dolly Varden Silver project to consolidate into the Kitsault Valley project. **Kitsault Valley (Homestake Ridge)** contains a total Indicated resource (June 2023) of 0.736 Mt grading 7.02 g/t Au, 74.8 g/t Ag, 0.18% Cu, and 0.077% Pb, and a total Inferred resource of 5.545 Mt grading 4.58 g/t Au, 100 g/t Ag, 0.13% Cu, and 0.142% Pb. For 2024, Dolly Varden completed 31,746 m in 69 holes with 16,181 m at Homestake Ridge. The drilling objective was to expand resources at Dolly Varden and Homestake Ridge, follow up on new discoveries, and increase mineral estimates from Indicated and Inferred to Measured and Indicated. Reported results from Homestake Ridge include 48.23 m grading 8.85 g/t Au and 5 g/t Ag, including 13.94 m grading 29.24 g/t Au and 16 g/t Ag. Another high-grade intersection of 100.8 m graded 4.64 g/t Au and 38 g/t Ag including 34.93 m grading 12.23 g/t Au and 84 g/t Ag with 0.97 m grading 166 g/t Au and 675 g/t Ag within 34.93 m grading 12.23 g/t Au and 84 g/t Ag. The property is underlain by Hazelton Group volcanic and volcanoclastic rocks. Historic and recent exploration suggest the potential for epithermal base and precious metal and volcanogenic massive sulphide deposits.

7.2.15. Knauss Creek (Prospect Ridge Resources Corp.)

The **Knauss Creek** property is about 35 km northeast of Terrace where Prospect Ridge Resources Corp. is exploring the potential for polymetallic veins, skarn, and porphyry mineralization. Prospect Ridge completed a total of 2229 m of diamond drilling in nine drill holes, geological mapping, prospecting, and rock sampling. Mineralization is sulphides in quartz veins (Fig. 5). Highlight drill results from the Copper

Ridge zone included 1.5 m grading 5.44 g/t Au, 21 g/t Ag, and 1.89% Cu; 5.5 m grading 0.54 g/t Au, 22.1 g/t Ag, and 0.98% Cu; 1.5 m grading 1.79 g/t Au and 30.4 g/t Ag; 1.0 m grading 2.25 g/t Au, 5.6 g/t Ag, and 0.13% Cu; and 20.5 m grading 0.51 g/t Au and 1.7 g/t Ag. Prospect Ridge also completed a financing for \$5.2 million.



Fig. 5. Quartz vein sample with sulphides. Copper Ridge, Knauss Creek (Prospect Ridge Resources Corp.).

7.2.16. KSP (Skeena Resources Limited)

The **KSP** property is a 64,000 ha tenure area, 24 km southwest of Eskay Creek. Exploration consisted of 9200 m of diamond drilling in 22 holes, prospecting, geological mapping, and rock sampling.

7.2.17. Maestro (Quartz Mountain Resources Ltd.)

The **Maestro** property is 15 km north of the town of Houston. The property is underlain by Lower to Middle Jurassic volcanic and volcanoclastic rocks of the Hazelton Group with local areas underlain by Upper Jurassic sedimentary rocks of the Bowser Lake Group. Two main styles of mineralization occur in the property area. The predominant style is structurally controlled quartz veins with disseminated molybdenite and chalcopyrite, along with associated pyrite, chalcopyrite, galena, sphalerite, and tetrahedrite veins, commonly silver bearing. The other style is quartz and ankerite veins and breccias with zones of disseminated sulphides spatially associated with green sericite alteration. Quartz Mountain released assay results for drilling carried out in December 2023. Highlights from the Prodigy target include 102 m grading 2.22 g/t Au and 104 g/t Ag, including 12 m grading 1.23 g/t Au and 586 g/t Ag, and 36 m grading 5.73 g/t Au and 87 g/t Ag.

7.2.18. Midas (Juggernaut Exploration Ltd.)

The **Midas** Property is 24 km southeast of Terrace and extends across an area of 20,803 ha. A 2738 m, 13-hole diamond drilling program was completed. The focus was on the Kokomo discovery and following up on IP anomalies. Other exploration included prospecting, rock sampling, geological mapping, and an IP geophysical survey.

7.2.19. Nechako (Fox-Coconut) (Rokmaster Resources Corp.)

The Nechako project is road accessible and includes both the **Nechako (Fox-Coconut)** and Nechako (Mystery) properties. The Fox-Coconut property extends across 4988 Ha, 20 km southwest of the historic Endako mine. The Fox showing consists of silicified rhyolite volcanic rocks with mineralized quartz veins and breccias. The Coconut area contains a broad zone of propylitic alteration hosting structurally controlled vein and dike corridors with Au, Ag, and base metals. Exploration included trenching, prospecting, rock sampling, and geological mapping. Highlight channel samples include 1.0 m grading 4.95 g/t Au and 1001 g/t Ag, 1.0 m grading 2.31 g/t Au and 482 g/t Ag, 1.0 m grading 3.01 g/t Au and 635 g/t Ag, and 1.0 m grading 3.57 g/t Au and 368 g/t Ag.

7.2.20. Ram (Teuton Resources Corporation)

The **Ram** property is 8 km south-southeast of Stewart. Exploration at Ram included rock sampling, prospecting, and geological mapping. Exploration work discovered a 400 m-long, mineralized porphyry intrusive the company refers to as the “Malachite Porphyry zone” and identified a second zone (Mitch zone) with pyrite and chalcopyrite.

7.2.21. Rock and Roll (Etruscus Resources Corp.)

The **Rock and Roll** property spans across 29,344 ha and is 7 km northwest of the past-producing Snip mine. The property includes the Black Dog volcanogenic massive sulphide (VMS) deposit and the SRV zone. Etruscus carried out late season IP geophysics, geological mapping, and rock sampling on the Discovery and Zappa targets for porphyry copper-gold mineralization. Other exploration included fieldwork on the Heather and the Kashmir showings and follow up on rare earth element anomalies at their Pheno claims. Highlight rock samples assayed 23.8 g/t Au and 40.1 g/t Au.

7.2.22. Silver Hope (Finlay Minerals Ltd.)

The **Silver Hope** project surrounds the past-producing Equity Silver mine, which operated from 1980 to 1994, processing 33.8 Mt grading 0.4% Cu, 64.9 g/t Ag, and 0.46 g/t Au. Finlay completed a controlled source audio-frequency magnetotelluric (CSAMT) survey over the Main trend, West Cu-Mo porphyry, and East trend 1 and 2.

7.2.23. Silver Lime (Core Assets Corp.)

Three projects make up the Blue property, which extends across 114,074 ha. Diamond drilling (11 holes, 3602 m) at the **Silver Lime** project focused on the Sulphide City Mo-Cu-Ag porphyry and Whaleback Zn skarn targets. Results from the Whaleback target included 10.5 m grading 7.8% Zn, 0.25% Cu, and 10 g/t Ag within 39.9 m grading 2.5% Zn, 0.13% Cu, and 5.1 g/t Ag. Another interval graded 11.78 m of 10.6% Zn, 0.36% Cu, and 16 g/t Ag. At the Sulphide City target a hole returned 4.10 m grading 0.20% Cu, 33.6 g/t Ag, and 0.6% Zn that includes intervals of 0.96 m grading 0.54% Cu

and 6.9 g/t Ag and 0.64 m grading 189 g/t Ag, 3.5% Zn, and 0.9% Pb. Core Assets also carried out prospecting, detailed structural and geologic mapping, and rock sampling.

7.2.24. Silver Queen (Equity Metals Corporation)

The **Silver Queen** project extends across 18,871 ha and includes the historic Silver Queen mine 43 km south of Houston and accessed by an all-season road. Since discovery, more than 540 drill holes and 9 km of underground workings have been completed on the property. A 2022 mineral resource estimate has an Indicated resource of 3.445 Mt grading 3.5% Zn, 2.13 g/t Au, 189 g/t Ag, 0.24% Cu, and 0.6% Pb, and an Inferred resource of 1.9 Mt of 2.0% Zn, 0.82 g/t Au, 167 g/t Ag, 0.23% Cu, and 0.5% Pb (resources at NSR cut off of \$100/t). In 2024, Equity completed prospecting, rock and soil sampling, and 17,209 m of diamond drilling in 42 holes. Drilling focused at the George Lake target (7541 m), the Camp deposit (2687 m), and Camp North target (975 m). Highlight results from the George Lake target included 0.5 m grading 2.6 g/t Au, 81 g/t Ag, 0.1% Cu, 2.2% Pb, and 11.5% Zn within a 1.5 m interval grading 1.2 g/t Au, 38 g/t Ag, 0.1% Cu, 0.8% Pb, and 3.8% Zn. Results from the No 3. North target included 3.3 m grading 2.8 g/t Au, 66 g/t Ag, 1.4% Pb, and 6.9% Zn with a 1.1 m interval within grading 4.7 g/t Au, 115 g/t Ag, 2.7% Pb, and 13.8% Zn. Results from the polymetallic mineralization (Fig. 6) at the Camp deposit included 0.9 m grading 0.7 g/t Au, 7099 g/t Ag, 0.3% Cu, 2.0% Pb, and 5.4% Zn within 4.3 m grading 0.5 g/t Au, 1501 g/t Ag, 0.8% Pb, and 5.9% Zn. Another 0.9 m interval graded 0.3 g/t Au, 1156 g/t Ag, 0.8% Pb, and 0.8% Zn within 2.9 m grading 0.2 g/t Au, 484 g/t Ag, 0.5% Pb, and 0.6% Zn.



Fig. 6. Barite vein with sulphides and sulphosalts containing gold and silver. Camp Deposit, Silver Queen project (Equity Metals Corporation).

7.2.25. Terrace (Decade Resources Ltd.)

The **Terrace** project is divided into five properties: Dardanelle, Kleanza, Nobody Knows, Terrace Gold, and Treasure Mountain, approximately 20 km east of Terrace extending along the Zymoetz River. The mineral tenure consists of 48 contiguous claims totalling 22,900 ha. Decade carried out

3000 m of diamond drilling in 24 holes, rock sampling, and prospecting. At the Nobody Knows #2 zone, 1000 m of drilling was completed. Highlight drill results from the Nobody Knows zone #2 included 4.36 m grading 23.7 g/t Ag and 2.69% Cu within 11.98 m grading 10.36 g/t Ag and 1.25% Cu. Another 1.71 m interval graded 81.87 g/t Ag and 1.61% Cu.

7.2.26. Todd Creek (Arcwest Exploration Inc.)

The 21,343 ha **Todd Creek** project is 35 km northeast of Stewart, north of Highway 37A. Freeport-McMoran Mineral Properties Canada Inc., signed a deal in 2023 with Arcwest Exploration Inc. whereby they may earn a 51% interest in the project by spending \$20 million over a five-year period and making staged cash payments. The area is prospective for several styles of mineralization including epithermal, porphyry, and VMS. Exploration in 2024 included a ground program of geological mapping, prospecting, rock and soil sampling (450 rock and 215 soil samples), and hyperspectral analysis of historic rock and drill core samples to determine alteration mineralogy. Arcwest remained the operator, but exploration was funded by Freeport.

7.2.27. Treaty Creek (Tudor Gold Corp. 60%, Teuton Resources Corp. 20%, Cunningham Mining Ltd. 20%)

Tudor Gold Corp.'s **Treaty Creek** project extends across 17,913 ha and contains a bulk tonnage resource in Jurassic volcanic and intrusive rocks that also host the KSM deposits 5 km to the southwest. The resource is within the Goldstorm deposit which is divided into six different sub domains: CS-600, Copper Belle, DS5, R66, 300H, and 300N. The current mineral resource estimate (February 2024) reports 730.2 Mt of Indicated grading 0.92 g/t Au, 5.48 g/t Ag, and 0.18% Cu, and 149.61 Mt of Inferred grading 1.01 g/t Au, 6.02 g/t Ag, and 0.15% Cu. The largest part of this resource is within the CS-600 sub-domain. Metallurgical test work from the Lower CS-600 sub-domain has given flotation recoveries up to 88.1% Cu, 63.8% Au, and 51.3% Ag. This recovery confirms high-grade copper concentrate with quantities of gold can be produced from the Lower CS-600 sub-domain. Exploration at Treaty Creek consisted of 10,530 m of diamond drilling in seven holes. Drilling focused on mineralized structures not currently in the resource model that are thought to host high-grade gold. In 2024, Tudor reported high-grade gold intersections for the newly identified Supercell area including: 1) 6.3 m grading 4.25 g/t Au, 224.6 g/t Ag, and 5.96% Cu; 2) 6.0 m grading 6.44 g/t Au, 26.62 g/t Ag, and 0.04% Cu; 3) 13.5 m grading 9.58 g/t Au, 0.44 g/t Ag, and 0.01% Cu; 4) 9.0 m grading 5.08 g/t Au, 1.24 g/t Ag, and 0.02% Cu; and 5) 19.65 m grading 1.96 g/t Au, 39.05 g/t Ag, and 0.96% Cu within which was a 6.15 m interval grading 5.44 g/t Au, 63.77 g/t Ag, and 1.62% Cu. Long intervals from the DS5 domain included 227.0 m grading 1.17 g/t Au, 3.19 g/t Ag, and 0.01% Cu.

7.2.28. Walter (Centerra Gold Inc.)

The **Walter** project is 5 km south of Highway 16 and 10 km

west of the historic Endako molybdenum mine. Centerra Gold carried out an IP geophysical survey.

7.3. Selected base metal projects

The Northwest Region contains several base metal projects (Fig. 1; Table 5). Base metals are explored for primarily as polymetallic vein, VMS and, to lesser extent, SEDEX, porphyry, and manto replacement deposits. One in the region is an ultramafic-hosted nickel project (**Turnagain**).

7.3.1. Davidson (Moon River Moly Ltd.)

The **Davidson** molybdenum deposit lies 5 km northwest of Smithers. Moon River Moly released a Preliminary Economic Assessment (April 2024) stating a post-tax 24% internal rate of return and net present value of \$602 million based on a 20-year project life at a long-term molybdenum price of \$US 21.50/lb, and a 3.3 year payback term. The total Measured and Indicated resource is 43.896 Mt at 0.21% Mo, and the Inferred resource is 11.907 Mt at 0.18% Mo. Moon River Moly completed 1205 m of diamond drilling in two drill holes and chemical and mineralogical analysis to evaluate the potential for the economic recovery of molybdenum and byproducts, such as tungsten, copper, rare earth elements, and gallium.

7.3.2. Turnagain (Giga Metals Corporation)

The **Turnagain** nickel-cobalt deposit is an Alaskan-type Pt-(Os-Rh-Ir) ultramafic. The deposit has maximum dimensions of 3 by 8.2 km and displays a dunite core surrounded by peridotite, pyroxene-rich peridotite, wehrlite, and olivine pyroxene. Sulphide mineralization includes pyrrhotite, pentlandite, chalcopyrite, and trace bornite. Giga Metals have a joint venture with Mitsubishi Corporation earning a 15% equity interest in Turnagain and forming the company Hard Creek Nickel Corp. The Turnagain project has a positive Pre-Feasibility Study for a post-tax 11.4% internal rate of return and net present value of \$574 million based on a 30-year project life at a long-term nickel price of \$9.75/lb, with 78% payability for nickel in concentrate. It has a total Measured and Indicated resource of 1.574 Bt at 0.210% Ni, 0.013% Co, 0.020 g/t Pd, and 0.022 g/t Pt, and an Inferred resource of 1.164 Bt at 0.206% Ni, 0.012% Co, 0.016 g/t Pd, and 0.018 g/t Pt. Giga Metals completed baseline environmental studies at the project.

7.4. Selected base and precious metals projects

The Northwest Region hosts many base and precious metals projects (Fig. 1; Table 5). Many of these projects are porphyry deposits that are highly prospective for Au-Cu-Mo bulk-tonnage mineralization related to Triassic-Jurassic island arc assembly and post-accretionary intrusive complexes.

7.4.1. Antler (Guardsmen Resources Inc.)

The **Antler** project is 30 km southwest of the historic Huckleberry mine. Guardsmen Resources carried out a reconnaissance prospecting and rock sampling program. Sampling located bedrock with molybdenite mineralization.

The area is prospective for porphyry deposits, polymetallic veins, and epithermal veins.

7.4.2. Berg (Surge Copper Corp.)

Surge Copper Corp. have entered into a definitive purchase agreement to acquire a 100% interest in the **Berg** project from Thompson Creek Metals Company Inc., a wholly owned subsidiary of Centerra Gold Inc. The Preliminary Economic Assessment for the Berg deposit states a net present value of \$2.1 billion and an internal rate of return of 20% for a 30-year mine life. The resource estimate has a total Measured and Indicated resource of 1.009 Bt grading 0.23% Cu, 0.03% Mo, and 4.6 g/t Ag, and an Inferred resource of 542 Mt grading 0.17% Cu, 0.02% Mo, and 3.7 g/t Ag. Exploration included eleven holes totalling 4157 m of diamond drilling, geological mapping, prospecting, and soil and rock sampling. Drilling results included 320 m grading 0.29% Cu, 0.048% Mo, and 4.26 g/t Ag, including 28 m grading 0.99% Cu, 0.052% Mo, and 10.82 g/t Ag, 412 m grading 0.24% Cu, 0.042% Mo, and 5.4 g/t Ag, including 18 m grading 0.52% Cu, 0.042% Mo, and 5.36 g/t Ag. Surge Copper also carried out environmental baseline data collection and completed \$3.9 million in financing with South African mining company African Rainbow Minerals Limited for a 15% interest in the company. Surge Copper has entered into an agreement to acquire another 6320 ha of mineral claims adjacent to the western margin of the Berg project.

7.4.3. Burn (Commander Resources Ltd.)

Freeport-McMoRan Mineral Properties Canada Inc. entered into a joint-venture agreement to earn up to a 75% interest in the **Burn** porphyry copper and gold project with Commander Resources Ltd. as the operator. Exploration in 2024 included an airborne magnetic survey, 20 line-km of IP, geological mapping, prospecting, and rock sampling. Commander Resources and Enduro Metals have entered into an amalgamation agreement for Enduro Metals to acquire Commander Resources and become the new operator of the Burn project (subject to approval).

7.4.4. Crown (Fairweather) (Goldstorm Metals Corp.)

The **Crown (Fairweather)** occurrence is part of Goldstorm Metals Corp.'s Crown project, a 16,469 ha mineral tenure area that consists of several properties: Mackie East and West, Orion, High North, Fairweather, and Delta. The project is directly south of Seabridge Gold Inc.'s KSM project and 4 km southwest of Newmont Corporation's Brucejack mine. The area is being targeted for precious metal veins, subaqueous hot spring VMS, and porphyry Au-Cu. Work completed included geological mapping, prospecting, and rock sampling. Rock sample assays from the Launch zone, Fairweather occurrence (Fig.7) included 55.2 g/t Au and 82.71 g/t Ag, and 2.42 g/t Au, 345 g/t Ag, 0.68% Cu, 12.22% Pb, and 27.29% Zn. A sample from the Galileo zone assayed 0.29 g/t Au, 925 g/t Ag, 3.38% Pb, and 2.32% Zn. Thirty-eight samples from at the Triton zone averaged 0.88 g/t Au.

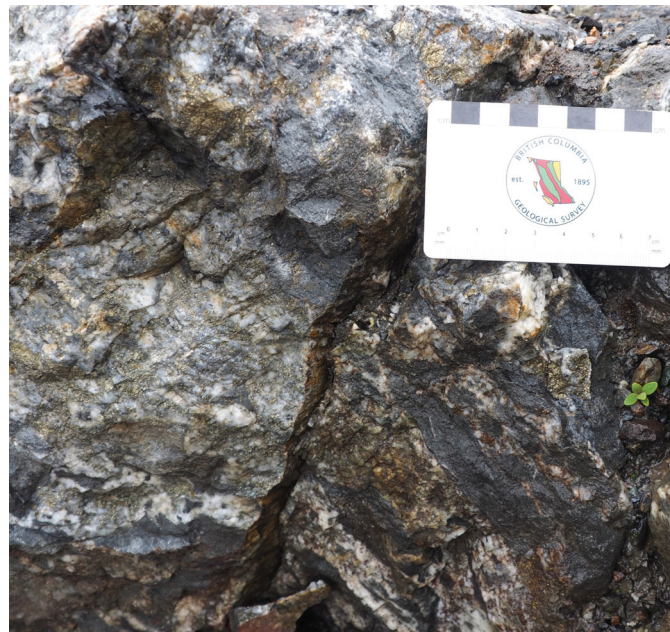


Fig. 7. Quartz vein breccia with semi-massive sulphide mineralization. Launch zone, Fairweather occurrence, Crown project (Goldstorm Metals Corp.).

7.4.5. Crown (Mackie West) (Goldstorm Metals Corp.)

Goldstorm's Crown project includes the **Crown (Mackie West)** occurrence. Three outcrop rock samples from the Mackie West occurrence returned above 2000 ppm Mo, including 8916 ppm Mo, 3522 ppm Mo, and 2159 ppm Mo. A sample from float graded 26.50 g/t Au, 1028 g/t Ag, 0.05% Cu, 28 ppm Mo, and 18.28% Pb.

7.4.6. Duke (Amarc Resources Ltd.)

Amarc Resources Ltd.'s **Duke** project is north of Babine Lake at the edge of the Northwest and North Central regions. Amarc completed diamond drilling in the winter and summer with 10,643 m drilled in 28 holes. Summer drilling focused on the SVEA Cu-Au target and the recent JO porphyry Cu-Au discovery. Work is funded by Boliden Mineral Canada Ltd. who entered into an earn-in agreement for 60% ownership of the project by spending \$30 million in four years and an additional 10% by spending a further \$60 million in six years. Regional exploration in 2024 included ground IP and airborne geophysical surveys, prospecting, and rock sampling.

7.4.7. Hat (Doubleview Gold Corp.)

Doubleview report their **Hat** project as a gold-rich copper porphyry with silver and critical metals including cobalt, palladium, and scandium. In September, Doubleview released a Mineral Resource Estimate for Hat stating an Indicated resource of 150 Mt grading 0.221% Cu, 0.008% Co, 0.19 g/t Au, and 0.42 g/t Ag. An Inferred resource of 477 Mt grading 0.185% Cu, 0.009% Co, 0.15 g/t Au, and 0.49 g/t Ag. For 2024, 10,088 m was drilled at Hat. Drilling results included 686.0 m grading 0.23% Cu, 0.16 g/t Au, 64 g/t Co, and 0.33 g/t Ag including

154.0 m grading 0.66% Cu, 0.46 g/t Au, 112 g/t Co, and 0.96 g/t Ag, including 62.0 m grading 1.12% Cu, 0.79 g/t Au, 173 g/t Co, and 1.62 g/t Ag. Within this interval 2.0 m graded 5% Cu, 2.96 g/t Au, 511 g/t Co, and 5.03 g/t Ag. Doubleview completed \$4.02 million in financing.

7.4.8. HWY 37 (Kingfisher Metals Corp.)

Kingfisher Metals has entered two option agreements to consolidate the two properties previously known as Ball Creek East and Hank into the **HWY 37** copper-gold project. Kingfisher has also acquired the 26,771 ha former LGM project from Origen Resources Inc and the 18,893 ha Ball Creek West project from P2 Gold Inc. The LGM project is immediately south of and contiguous with these other properties and is now also considered a part of the HWY 37 project. The Ball Creek West claims are immediately north of the LGM claim and contiguous with Highway 37. The project now extends across 81,900 ha, immediately west of Highway 37 and approximately 50 km southwest of the community of Iskut. The area is being targeted for porphyry Cu-Ag and epithermal gold. Since the mid-2000s approximately 42,400 m of drilling has been completed at the project, 13,500 m at the Mary target, 6100 m at Williams, and 21,600 m at the Hank target. Kingfisher completed an IP geophysical survey, geological mapping, prospecting, and rock sampling.

7.4.9. Kendal (Red Canyon Resources Ltd.)

The **Kendal** copper project is road accessible and extends across 2738 ha, 25 km northeast of Terrace. The area is thought to have potential for a calc-alkaline porphyry Cu-Mo-Au system. Red Canyon Resources completed 2562 m of diamond drilling in five holes. Reported assays included 593.9 m grading 0.051% Cu, 0.43 g/t Ag, and 58 ppm Mo which included an interval of 123.0 m grading 0.082% Cu, 0.44 g/t Ag, and 103 ppm Mo.

7.4.10. Lennac Lake (Goldhills Holding Ltd.)

The **Lennac Lake** property extends across 2297 ha west of Babine Lake, 18 km southwest of the town of Granisle. The area has known Cu-Mo mineralization and is considered by Goldhills to have potential for porphyry Cu-Mo. In 2024, a biogeochemical survey was completed.

7.4.11. Lucky Strike (Goliath Resources Limited)

Goliath Resources Limited owns a 49% interest in the **Lucky Strike** property with an option to acquire an additional 51%. The 31,511 ha property is road accessible and is centred 40 km north of Terrace. The Bullseye porphyry Au-Cu-Ag system is defined by a 1200 by 1000 m area of alteration with porphyry outcropping at surface. Goliath completed 1500 m of drilling, geological mapping, prospecting, rock sampling, and geophysical surveying.

7.4.12. NAK (American Eagle Gold Corp.)

American Eagle Gold Corp. carried out 16,277 m of diamond

drilling in 21 holes at the **NAK** copper-gold project and has an option to purchase 100% of the property. Mineralized sulphide stringers occur in potassic altered sandstone (Fig. 8). Results included 101 m grading 0.96 g/t Au, 0.35% Cu, 3.3 g/t Ag, and 34 ppm Mo within 451 m grading 0.28 g/t Au, 0.18% Cu, 1.17 g/t Ag, and 50 ppm Mo. Another drill hole included 40 m grading 1.45 g/t Au, 0.36% Cu, 2.5 g/t Ag, and 41 ppm Mo within 276 m grading 0.45 g/t Au, 0.24% Cu, 1.0 g/t Ag, and 43 ppm Mo. A drill hole in the North zone included 50 m grading 0.37 g/t Au, 0.62% Cu, 2.3 g/t Ag, and 139 ppm Mo within 162.8 m grading 0.19 g/t Au, 0.39% Cu, 1.62 g/t Ag, and 71 ppm Mo. American Eagle Gold received a \$29.16 million investment from South32 Limited for a 15% interest in the company.

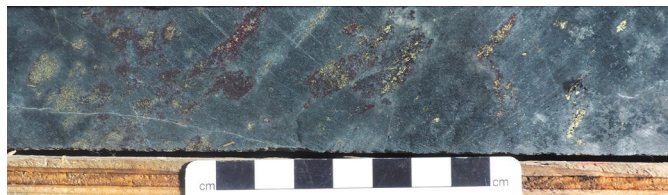


Fig. 8. Mineralized sulphide stringer mineralization in potassic altered sandstone, NAK project (American Eagle Gold Corp.).

7.4.13. Nechako (Mystery) (Rokmaster Resources Corp.)

The Nechako project includes the Nechako (Fox-Coconut) and **Nechako (Mystery)** properties. Mystery is 20 km southwest of the historic Silver Queen mine and road accessible. The 16,291 ha Mystery property is underlain by Cretaceous volcanic rocks of the Kasalka Group that are intruded by porphyritic monzonite of the Bulkley Plutonic suite (Late Cretaceous) with anomalous Cu-Ag-Au. Rokmaster carried out geological mapping, prospecting, and soil and rock sampling at Mystery. A highlight rock sample assayed 5.22 g/t Au and 388 g/t Ag.

7.4.14. Newmont Lake (Enduro Metals Corporation)

Enduro Metals Corporation discovered porphyry copper-gold mineralization at the North Toe prospect on their **Newmont Lake** project. Exploration at Newmont Lake consisted of 1250 m of drilling in four holes, geological mapping, prospecting, rock sampling. Highlights from drilling in the NW zone include 12.45 m grading 10.01 g/t Au, 12.12 g/t Ag, and 0.37% Cu within 24.70 m grading 5.17 g/t Au, 6.34 g/t Ag, and 0.20% Cu. Another hole graded 6.39 m of 18.01 g/t Au, 20.55 g/t Ag, and 0.47% Cu. Enduro Metals have entered into an amalgamation agreement to acquire Commander Resources and their assets (subject to approval).

7.4.15. Ootsa (Surge Copper Corp.)

The **Ootsa** project contains three separate deposits: Ox, East Seel, and West Seel. The project is at the edge of a southeast-trending belt of porphyry Cu-Au occurrences that include (from northwest-southeast) the Lucky Ship, Berg, Whiting Creek, Huckleberry, Ox, and Seel deposits. Like other deposits in the region, mineralization at Ootsa is temporally associated with the Bulkley suite intrusive rocks (Cretaceous) with calc-alkaline

porphyry style mineralization, such as at the Huckleberry mine. Ootsa contains a Measured and Indicated resource of 438.6 Mt grading 0.18% Cu, 0.12 g/t Au, 0.017% Mo, and 2.1 g/t Ag and an Inferred resource of 137.7 Mt grading 0.15% Cu, 0.1 g/t Au, 0.015% Mo, and 2.0 g/t Ag (2022). For 2024, a total of 897 m of diamond drilling was carried out in two holes northeast of the Seel deposits. Surge Copper also started collecting environmental baseline data to support pre-feasibility mining studies.

7.4.16. Oweegee (Sanatana Resources Inc.)

Sanatana's **Oweegee** porphyry Cu-Au project area is 31,077 ha and is cut along its western boundary by Highway 37 and the Northwest Transmission Line. This year, Sanatana carried out 2359 m of diamond drilling in four holes. Assay highlights include 44.9 m grading 0.32% Cu, 0.2 g/t Au, 1.96 g/t Ag, and 56.24 ppm Mo, 19.1 m grading 0.09% Cu, 0.34 g/t Au, and 2.87 g/t Ag, and 2.0 m grading 1.3 g/t Au. Drilling identified intrusive units not previously mapped in the area.

7.4.17. Poplar (Vizsla Copper Corp.)

The **Poplar** project extends for 44,200 ha, is road accessible, and has a high voltage hydro-electric line crossing through it. The property is in a historic mining region south of the community of Houston, and 35 km north of the Huckleberry mine. The project has an Indicated resource of 152.3 Mt grading 0.32% Cu, 0.009% Mo, 0.09 g/t Au, and 4.95 g/t Ag, and an Inferred resource of 139.3 Mt grading 0.29% Cu, 0.005% Mo, 0.07 g/t Au, and 4.95 g/t Ag calculated at a 0.20% Cu grade cut off (September 2021). Vizsla Copper Corp. completed an IP geophysical survey, geological mapping, prospecting, and soil and rock sampling.

7.4.18. Rip (Interra Copper Corp.)

The **Rip** Cu-Mo project extends across 4700 ha about 63 km south of the community of Houston and 33 km northeast of the historic Huckleberry mine. The area is underlain by Bulkley Plutonic suite rocks (Late Cretaceous), a unit known to host several deposits. Interra Copper Corp. carried out 1033 m of diamond drilling in two holes, airborne magnetic and 3D IP geophysical surveys. Highlight rock sample results from the newly discovered Bananas showing include 27.7 g/t Ag, 7.15% Cu, and 126 ppm Mo, 21 g/t Ag, 2.86% Cu, and 83 ppm Mo, and 18.2 g/t Ag, 3.82% Cu, and 102 ppm Mo.

7.4.19. Schaft Creek (Teck Resources Limited 75%, Copper Fox Metals Inc. 25%)

Schaft Creek is an advanced-stage porphyry project with a Measured and Indicated resource (September 2021) of 1.346 Bt grading 0.26% Cu, 0.16 g/t Au, 0.017% Mo, and 1.25 g/t Ag. Inferred resources are 343.6 Mt grading 0.17% Cu, 0.11 g/t Au, 0.013% Mo, and 0.84 g/t Ag. In 2024, focus was on technical investigations to confirm key aspects of the open-pit design and continuing environmental baseline studies in alignment

with the Tahltan Nation's cultural and social traditions. Teck completed geotechnical drilling totalling 2472 m in six drill holes.

7.4.20. Silverknife (CMC Metals Ltd.)

The **Silverknife** property extends across 538 ha adjacent and west of the Silvertip project along the BC-Yukon border. Exploration is focused on silver-lead-zinc-gold carbonate replacement mineralization similar to Silvertip (polymetallic veins, and skarn mineralization). CMC Metals Ltd. released assay results from 2023 drilling and highlights included 16.19 m grading 1.14% Zn, 13.65 m grading 1.36% Zn, 1.0 m grading 189 g/t Ag, 0.27% Pb, and 0.07% Zn, and 1.2 m grading 53 g/t Ag, 3.46% Pb, and 0.74% Zn. CMC carried out prospecting, geological mapping, and rock sampling.

7.4.21. Silvertip (Coeur Mining Inc.)

The polymetallic **Silvertip** project is 16 km south of the Alaska Highway and includes the Silvertip mine. The mine remains on care and maintenance while Coeur Mining Inc. redevelops the geological model, identifies new structures and carbonate-replacement manto and chimney mineralization, and expands the resource in all directions. An updated mineral resource estimate released at year-end 2023 included a Measured and Indicated resource containing 57.7 Moz Ag, 1.517 Blbs Zn, and 768.7 Mlbs Pb and an Inferred resource containing 16.08 Moz Ag, 481.8 Mlbs Zn, and 199.8 Mlbs Pb. Coeur's 2024 exploration program included 24,619 m of drilling in 48 holes. The drilling was to increase near-mine resources, take large step-outs on known structures to assist with resource expansion, identify the outer margins of the carbonate replacement system, and identify additional, nearby structures in the region with potential to host mineralization. Coeur carried out mapping, sampling, and geophysics to explore a wider portion of the permitted ground. Highlight results from the Saddle zone include 6.6 m grading 94.5 g/t Ag, 0.91% Pb, and 13.98% Zn, 7.0 m grading 202.5 g/t Ag, 4.58% Pb, and 7.0% Zn, and 7.8 m grading 64.9 g/t Ag, 0.31% Pb, and 15.07% Zn. Results released from the Southern Silver zone include 4.5 m grading 794.2 g/t Ag, 14.62% Pb, and 12.32% Zn, 5.8 m grading 123.7 g/t Ag, 2.0% Pb, and 1.84% Zn, and 11.3 m grading 47.4 g/t Ag, 0.36% Pb, and 9.85% Zn.

7.4.22. Sweeney (Coast Copper Corp.)

Coast Copper Corp. acquired the 1492 ha **Sweeney** property in September 2024. The property is 7 km northwest of the historic Huckleberry mine and includes the past-producing polymetallic vein-hosted Emerald Mine. Coast Copper carried out prospecting, geological mapping, and rock and soil sampling. Highlight rock sample assays from the Emerald zone included 4.76 g/t Au, 980 g/t Ag, 1.1% Cu, 11.79% Pb, and 15.45% Zn, 2.98 g/t Au, 148 g/t Ag, 0.79% Cu, 5.70% Pb, and 12.04% Zn, and 2.58 g/t Au, 1042 g/t Ag, 0.1% Cu, 37.8% Pb, and 1.36% Zn.

7.4.23. Telegraph (MTB Metals Corp.)

The MTB Metals **Telegraph** project consists of multiple properties. Mountain Boy has a 60% option on the DOK property, 100% interest in the DOKX-Yeti property, and 100% interest in the other claims that they staked. MTB carried out geological mapping, prospecting, and soil and rock sampling.

7.4.24. Theory (Eagle Plains Resources Ltd.)

Eagle Plains Resources considers their 9156 ha **Theory** project prospective for low-sulphidation epithermal quartz-carbonate Au-Ag veins. Eagle Plains carried out a property wide airborne magnetic and radiometric survey.

7.4.25. Thorn (Camp Creek and Cirque) (Brixton Metals Corporation)

Brixton continued to drill porphyry copper mineralization at their Thorn project in the **Thorn (Camp Creek)** and **Thorn (Cirque)** target areas. Of the 14,517 m of diamond drilling in 25 holes, 11,813 m in 14 holes was completed at the Camp Creek target. Highlight results include 674.8 m grading 0.26% Cu, 0.11 g/t Au, 2.70 g/t Ag, and 274 ppm Mo, intersections within included 261.7 m grading 0.35% Cu, 0.17 g/t Au, 3.26 g/t Ag, and 242 ppm Mo, 50 m grading 0.54% Cu, 0.58 g/t Au, 5.33 g/t Ag, and 176 ppm Mo, and 10 m grading 0.50% Cu, 2.13 g/t Au, 5.35 g/t Ag, and 127 ppm Mo. Three kilometres east of the Camp Creek target, Brixton completed four diamond drill holes totalling 2704 m at the **Thorn (Cirque)** target. Highlight drilling at Cirque include 87 m grading 0.20% Cu, 2.61 g/t Ag, and 34 ppm Mo, including 10.5 m grading 0.37% Cu, 5.22 g/t Ag, and 36 ppm Mo. Brixton also acquired 6446 ha contiguous with Thorn.

7.4.26. Topley (Geologica Resource Corp.)

The **Topley** copper project is 20 km north of the community of Topley on Highway 118 in an area thought to be prospective for porphyry copper. Geologica Resource Corp. completed prospecting, geological mapping, and a drone magnetic survey.

7.4.27. Whiting Creek (Huckleberry Mines Ltd.)

The **Whiting Creek** property is 8 km north of the Huckleberry mine, which has been on care and maintenance since 2016. Mineralization is in stocks of the Bulkley Plutonic suite (Late Cretaceous) that cut Hazelton Group volcanic rocks (Lower Jurassic). Chalcopyrite, molybdenite, and pyrite mineralization occurs as veinlets and disseminations. The best grades are in zones of potassic alteration. Huckleberry Mines (Imperial Metals Corporation) completed hyperspectral and alteration analysis of historic drill core to aid in deposit characterization and carried out soil sampling.

7.4.28. Zymo (Eastfield Resources Limited)

The **Zymo** property extends across 18,184 ha, 45 km west of Smithers. The area hosts two copper-gold porphyry, or intrusion-related mineralized zones, Hobbes and FM. In 2024, Eastfield Resources carried out an IP geophysical survey, prospecting, geological mapping, rock sampling, and a petrographic study.

7.5. Selected rare earth metals projects

7.5.1. Sphinx Mountain (Pacific Bay Minerals Ltd.)

The **Sphinx Mountain** project is 30 km south of the town of Cassiar. Exploration included geological mapping, prospecting, ground-based geophysics, stream-sediment samples (25), soil samples (189), and rock samples (3). The project area has elevated total rare earth oxides (TREO) in stream-sediment samples.

8. Geological research

Wearmouth et al. (2024a) described the methods used for the renewed mineral potential mapping being carried out at the British Columbia Geological Survey. This modelling is designed to evaluate the provincial endowment of critical minerals, guide land use and investment decisions, and assist in conversations between parties with diverse interests. Wearmouth et al. (2024b) completed maps of the Northwest Region focused on the porphyry, volcanogenic massive sulphide, and magmatic mafic-ultramafic mineral systems. Presenting new U-Pb zircon and geochemical data, Soucy La Roche et al. (2024) considered that the Paleozoic evolution of the Yukon-Tanana terrain in northwestern British Columbia is analogous to modern tectonics in the southwestern Pacific Ocean.

In the Golden Triangle, Miller et al. (2025) continued work in the Kitsault River area with new mapping, U-Pb zircon geochronology, and stratigraphic studies to establish the geological setting of VMS, epithermal, and porphyry mineralization. Campbell and van Straaten (2025) reported on the first year of a project to establish the framework for Paleozoic to Cretaceous plutonism and related mineralization in the northern part of the Golden Triangle. Johnston et al. (2024) examined stratigraphic relationships of the Stuhini Group near the Galore Creek alkalic porphyry Cu-Au-Ag deposit. Dlugosz et al. (2024) used laser ablation inductively coupled plasma-mass spectrometry (LA-ICP-MS) on sulphide minerals at the Burgundy ridge alkalic porphyry Cu-Au occurrence (Newmont Lake property) to map trace elements including bismuth, cobalt, nickel, and tellurium, which are on the 2024 version of the Canadian critical minerals list. Sauvé et al. (2025) released a 1:50,000-scale map of the Kinaskan Lake map area, within which is the Red Chris mine. Contributing to mapping in the Atlin area (Mihalynuk et al., 2024; Campbell et al., 2024) released magnetic susceptibility data and the results, methods, and quality control data for geochemical analyses of samples collected during fieldwork, and Cordey et al. (2024) identified radiolaria in selected samples. Steinhorsdottir et al. (2024) considered that ultramafic rocks near Atlin have high potential for carbon storage.

Orovan et al. (2025) used scanning electron microscopy-mineral liberation analysis (SEM-MLA) on samples from the Berg Cu-Mo and Huckleberry Cu-Mo porphyry deposits to establish the mineralogical siting of antimony, bismuth, tellurium, and tungsten (elements on the 2024 version of the Canadian critical minerals list) and consider mineral

paragenesis. Nixon et al. (2024) detailed the compositions and textural relationships of minerals in a suite of clinopyroxenites and hornblendites from the peripheral zone of the Tulameen Alaskan-type intrusion to address deep-level melt-cumulate petrogenetic processes, and Broda et al. (2024) considered the controls on nickel mineralization at the Turnagain Alaskan-type intrusion. Steinhorsdottir et al. (2024) considered that ultramafic rocks at Turnagain and Tulameen have limited potential for carbon storage for logistical and/or geologic reasons.

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