

Exploration and mining highlights South Central Region, 2024

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Overview and Significant Events

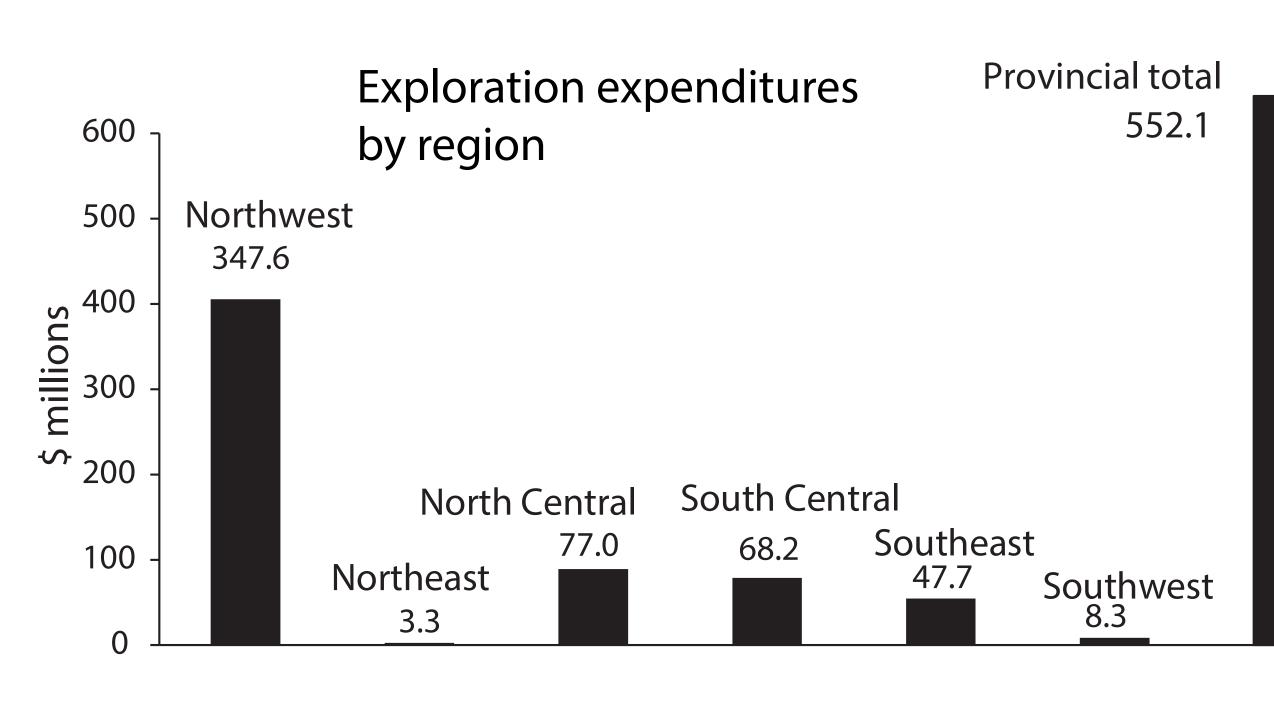
The South Central Region is the most active mining district in British Columbia and the most productive copper mining district in Canada.

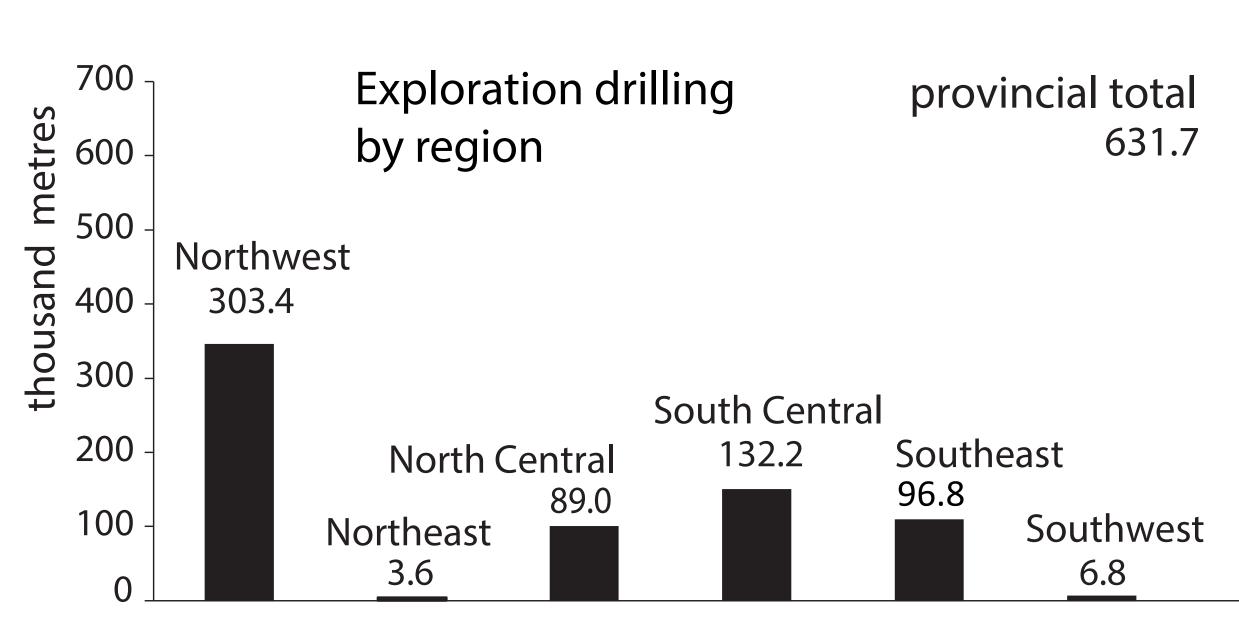
Currently five major metal mines are in operation, including **Highland Valley Copper, Gibraltar, Copper Mountain, Mount Polley, New Afton**, and one smaller operation (**Elk**). **Basin Coal** is the only coal mine in operation.

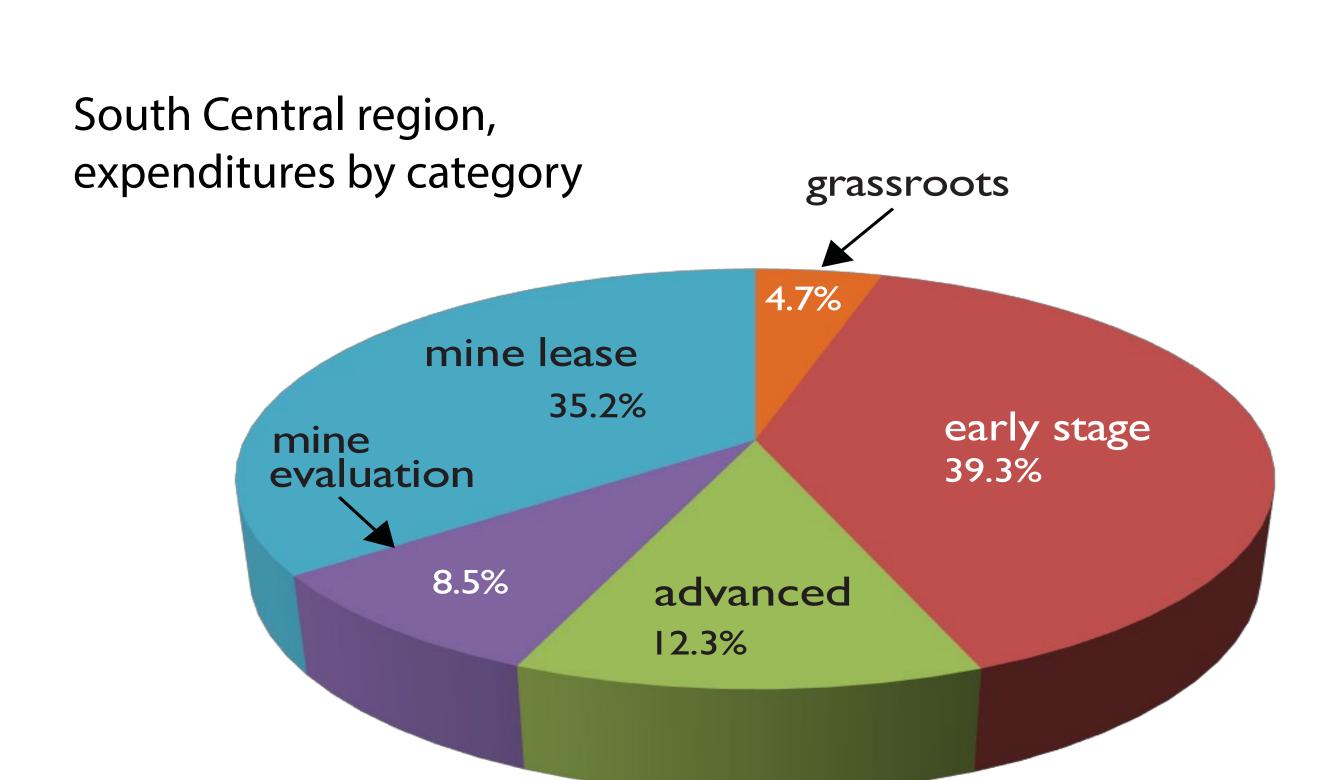
Projects targeting gold include the Cariboo Gold, Bralorne, Shovelnose, Prospect Valley, Reliance Gold, Spanish Mountain, and Newton. Major porphyry copper projects include MPD, Aspen Grove, Woodjam, IKE, Kolos, Rabbit North, and Alwin Mine.

Taseko Mines Limited increased their ownership interest in the **Gibraltar** mine from 87.5% to 100%. The **Cariboo Gold** project of Osisko Development Corp. received BC Mines Act and Environmental Management Act permits. GSP Resource Corp. released a resource estimate for the **Alwin Mine** project.

Exploration and drilling estimates







Mines and selected projects South Central Region ALBERTA Property status coloured by project type Operating mine* Specialty mill Newton Proposed mine Exploration project Regional Operated in or for a portion of 2024 Project type Coal (metallurgical) Precious metals Precious and base metals Base metals Base and precious metals Reliance Rare earth elements Industrial minerals Other Geology Post-accretionary assemblages Supracrustal rocks Neogene to Quaternary New Craigmont volcanic rocks Slide Mountain Quesnellia Cache Creek and Stikinia Ancestral North America Platformal strata Cassiar Deep-water basin strata – – Major faults South Central **Transportation** UNITED STATES OF AMERI —— Rail line Kilometres

cm

Exploration highlights

1.) **Alwin Mine (GSP Resource Corp.):** Compiled and modeled historical drill data for an initial resource calculation of Inferred 1.455 Mt grading 1.08% Cu of open pit and underground resources. Diamond drilling of 640 m in 5 holes, with a highlight intersection of 12.8 m grading 2.42% Cu, 0.57 g/t Au, and 47.0 g/t Ag.

2.) **Bralorne (Talisker Resources Ltd.):** Completed 14,949 m of infill diamond drilling early in 2024 to upgrade much of the initial resource from an Inferred to an Indicated category. A highlight intersection of 2.0 m assayed 129.99 g/t Au. The Mustang Mine portal and decline were enlarged to dimensions of 4 m x 4 m along a 400 length to improve access for test mining. An ore purchase agreement was signed with New Gold Inc. for up to 350,000 t of ore. A milling agreement was signed with Nicola Mining Inc. to process up to 6300 t of stockpiled ore.

3.) **IKE (Amarc Resources Ltd.):** Completed IP, airborne drone magnetics, and lidar geophysical surveys. Twenty-three historical drillholes were relogged and reassayed with a highlight interval of 52.4 m grading 1.10% Cu, 1.21 g/t Au, 2.5 g/t Ag, and 0.006% Mo.

4.) **MPD (Kodiak Copper Corp.):** Kodiak conducted 25 line km of IP geophysical surveys, collected 2000 soil geochemistry samples, trenching, and 9252 m of diamond drilling in 25 holes. VRIFY AI software was employed to help prioritize drill targets. A highlight drill intersection of 357.0 m assayed 0.43% Cu, 0.02 g/t Au, and 10.05 g/t Ag. Acquired the neighbouring Aspen Grove project, bringing the project area to 338 square km.

5.) Quesnel Regional (Fortescue Canada Resources Ltd.): Staked a 357,626 ha area which is underlain by Chilcotin and Kamloops Group cover rock. Fortescue will employ airborne geophysical surveys to prospect through the cover rock for potential porphyry copper targets in underlying Nicola Group rock.

6.) **Rabbit North (Tower Resources Ltd.):** Two diamond drilling programs with a total of 2111 m in nine holes. A highlight intersection at the Blue Sky zone assayed 4.15 g/t Au over 31.5 m.

7.) **Reliance Gold (Endurance Gold Corp.):** Executed 26 holes and 7303 m of diamond drilling targeting the Royal shear zone with notable intersections of 2.0 m grading 74.29 g/t Au and 5.7 m grading 7.61 g/t Au. Reported on 2023 sampling at the Olympic claims, which defined As-in-soil anomalies which are up to 1.8 km long at the Olympic, Enigma, and Howe Creek zones. Rock grab samples of quartz-sulphide vein material assayed up to 7.5 and 25.1 g/t Au.

8.) **Shovelnose (Westhaven Gold Corp.):** Westhaven collected more than 2000 rock, 500 soil, and 38 stream sediment samples. A ground IP and magnetics geophysical survey was conducted over the Certes zone. Completed 27 hole and 8347 m of diamond drilling with most holes testing targets away from the main zone. A highlight interval assayed 0.53 g/t Au and 0.48 g/t Ag over 8 m. The project area was expanded to 41,623 ha.

9.) **Spanish Mountain (Spanish Mountain Gold Ltd.):** Currently conducting a detailed economic study with Whittle Consulting including metallurgical studies, project design, and economic inputs such as hydroelectric power and water. Relogged more than 175,000 m of drill core to reinterpret structural geology. Executed 5590 m in 11 holes of diamond drilling with a highlight intersection of 9.0 m assaying 2.09 g/t Au. Ausenco will prepare an updated PEA due in Q1 2025. The company will apply for mining and environmental permits once the PEA is completed.

10.) **Woodjam (Vizsla Copper Corp.):** Completed seven holes and 2980 m diamond drilling. Highlight intersections include 177.3 m grading 0.56% Cu and 0.29 g/t Au, and 68.5 m grading 0.18% Cu and 1.07 g/t Au. Expanded project area by 16,008 ha through acquisition and staking.

Mining highlights

1.) Copper Mountain (Hudbay Minerals Inc. 75%, Mitsubishi Materials Corporation 25%): Forecast 2024 production (based on Q1 - Q3) Cu - 60.2 Mlb, Au - 20,000 oz, Ag - 295,000 oz.

2.) Elk (Gold Mountain Mining Corp.): Forecast 2024 production (based on Q1 - Q3) Au - 1050 oz.

3.) Gibraltar (Taseko Mines Limited): Forecast 2024 production (based on Q1 - Q3) Cu - 102.7 Mlb, Mo - 1.1 Mlb. - Taseko acquired 100% interest in Gibraltar mine in March 2024.

4.) Highland Valley Copper (Teck Resources Limited): Forecast 2024 production (based on Q1 - Q3) Cu - 221.3 Mlb, Mo - 1.5 Mlb.

5.) Mount Polley (Imperial Metals Corporation): Forecast 2024 production (based on Q1 - Q3) Cu - 35.3 Mlb, Au - 39,400 oz, Ag - 88,200 oz.

- K-Zone exploration drilling highlight intersection EA24-510 405.0-489.0 (84.0 m apparent width) 2.83% Cu, 1.9 g/t Au, 14.15 g/t Ag.

6.) New Afton (New Gold Inc.): Forecast 2024 production (based on Q1 - Q3) Cu - 52.7 Mlb, Au - 69,700 oz, Ag - 90,700 oz. - C-Zone production brought online.

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BCGS staff sampling for critical minerals at **New**Aften mine (New Gold Inc.)

Further information

Clarke, G., Northcote, B.K., Corcoran, N.L., Pothorin, C., Heidarian, H., and Hancock, K., 2025. Exploration and mining in British Columbia, 2024: A summary. In: Provincial Overview of Exploration and Mining in British Columbia, 2024. British Columbia Ministry of Mining and Critical Minerals, British Columbia Geological Survey Information Circular 2025-01, pp. 1-60.

EY LLP, 2025. British Columbia mineral and coal exploration survey 2025 report, in press.

Pothorin, C., 2025. Exploration and mining in the South Central Region, British Columbia. In: Provincial Overview of Exploration and Mining in British Columbia, 2024. British Columbia Ministry of Mining and Critical Minerals, British Columbia Geological Survey Information Circular 2025-01, pp. 115-143.

Recommended citation:

First photo: Diamond drilling at Woodjam project (Vizsla Copper Corp.).

Fourth photo: Logging K-Zone core at **New Afton** mine (New Gold Inc.).

10,000 t bulk sample at Cariboo Gold (Osisko Gold Development Corp.).

Second photo: DH24-120 208.5-277.0 (68.5 m) 1.07 g/t Au, 0.18% Cu; Deerhorn Zone, **Woodjam**

255.0-286.5 (31.5 m) 4.15 g/t Au, **Rabbit North** project (Tower Resources Ltd.).

Pothorin, C., 2025. Exploration and mining highlights, South Central Region, 2025. British Columbia Ministry of Mining and Critical Minerals, British Columbia Geological Survey GeoFile 2025-04 (poster).

