

The British Columbia Ministry of Energy, Mines and Petroleum Resources' MINFILE data-base lists over 6,950 copper-bearing occurrences in the province; 3,643 of these list copper as the primary commodity.

Those with mineral inventories include:

- ▶ Current producers (8), past producers (426), developed prospects (303) and prospects (1167).
- ▶ Total recorded copper production (1894-2010) is approximately 13 Mt.
- ▶ The top 15 deposits account for more than 90% of total production, with these dominated by calcalkalic porphyries, followed by alkalic porphyries and VMS deposits.

Top 10 B.C. Copper Producers

Mine	Milled t (x10 ⁶)	Cu t (x10 ³)	Mo t (x10 ³)	Au (t)	Ag (t)
Past producer*					
Highland Valley	1,428	5,181	83	9.5	1,516
Island Copper*	367	1,227	32	35.3	294
Gibraltar	351	982	10.2	0.14	106
Copper Mountain*	186	805		22.8	294
Britannia*	47	517		15.4	181
Myra Falls	23	406		33.3	985
Craigmont*	35	403		0.08	0.24
Huckleberry	55	378	3.7	1.4	26
Kemess South	210	339		87.7	4.9
Anyox Camp*	20	336		3.9	215

Contact Information

Vancouver Mineral Development Office
 Suite 300, 865 Hornby St. Tel: 604 660.3332
 Vancouver, B.C. V6Z 2G3 Fax 604 775.0313

British Columbia Geological Survey
www.empr.gov.bc.ca/Mining/Geoscience



Highland Valley Copper

- ▶ Owned (97.5%) and operated by Teck.
- ▶ 2009 production: 118,200 t Cu; 6,600 t Mo.
- ▶ Mine life to 2020; \$300 million expansion costs.



New Afton

- ▶ 100% owned and operated by New Gold Inc.
- ▶ Underground mine to begin production in 2012.
- ▶ Production estimate of an annual average of 75 million pounds of copper during a mine life of 12 years.
- ▶ Approximately \$630 million capital cost.

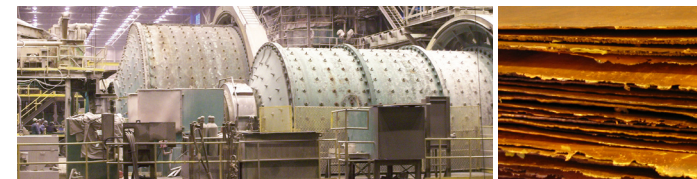


Copper Mountain

- ▶ Owned jointly by Copper Mountain Mining Corp. (75%) and Mitsubishi Materials Corp. (25%).
- ▶ Former mine site; exploration beginning in 1884.
- ▶ Forecast production in 2011.
- ▶ Resource estimate of 5 billion pounds contained copper.

Copper in British Columbia

Information Circular 2010-4



Ministry of
 Energy, Mines and
 Petroleum Resources

Selected Copper Deposits in British Columbia

Porphyry Cu±Mo±Au:

Calcalkalic [L04] Mainly Triassic/Jurassic (210-180 Ma) and Cretaceous/Tertiary (85-45). Deposits <50 to >900 Mt grading 0.2 to 1% Cu, <0.1 to 0.6 g/t Au, 1 to 3 g/t Ag and 0 to 0.04% Mo (e.g. Highland Valley Copper).

Porphyry Cu-Au: Alkalic [L03] Mainly restricted to the Late Triassic/Early Jurassic (215-180 Ma) and mainly in Stikine and Quesnel terranes. Deposits: 10 to >300 Mt grading 0.2 to 1.5% Cu, 0.2 to 0.6 g/t Au and >2 g/t Ag (e.g. Mount Polley).

Porphyry Cu-Au±Ag: Subvolcanic/Transitional-Related [L01] Mainly Cretaceous and Tertiary. A transitional deposit between porphyry copper and epithermal environments. Deposits: >30 Mt grading 0.25% Cu, 86 g/t Ag and 1 g/t Au (e.g. Equity Silver).

Massive Sulphide Cu-Zn: Besshi [G04] Mainly Cambrian and Late Triassic. Deposits: <1 to 113 Mt (e.g. Windy Craggy).

Massive Sulphide Cu (Zn): Cypress [G05] Primarily Mississippian-Permian or Late Triassic. Deposits: 0.7 to 23.7 Mt, grading up to 3% Cu, 1 g/t Au, 10 g/t Ag and 0.5% Zn (e.g. Anyox).

Massive Sulphide Cu-Zn: Kuroko/Noranda [G06] Mainly Devonian. Deposits: <2 to 10 Mt, with grades up to 2% Cu, 3.5% Pb, 30.4 g/t Ag and 2.1 g/t Au (e.g. Myra Falls).

Massive Sulphide Zn-Pb-Ag-Cu: Sedex [E14] Mainly Middle Devonian to Mississippian.

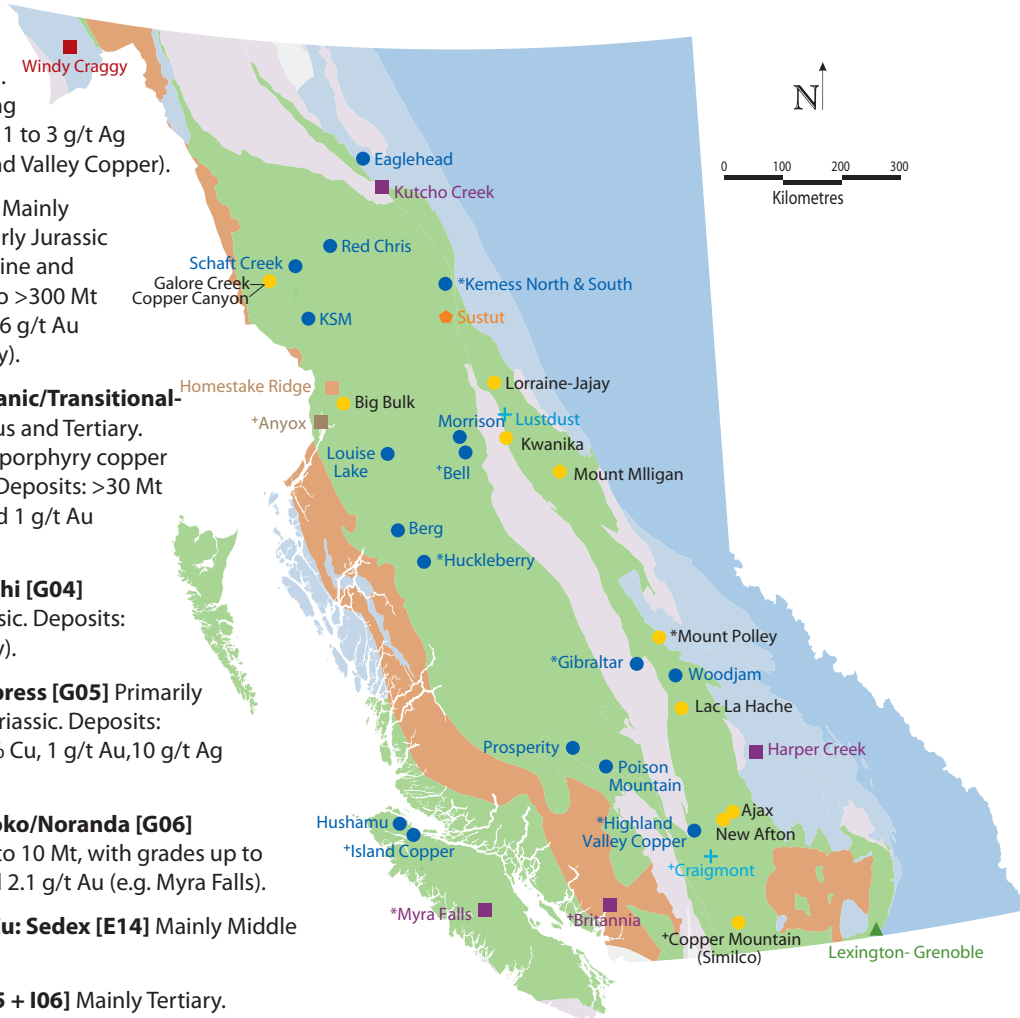
Vein-Mesothermal Cu-Ag: [I05 + I06] Mainly Tertiary.

Skarn Cu: [K01 + K04] Mainly Early to Mid-Jurassic. Deposits: up to 34 Mt grading 1.3% Cu (e.g. Cragmont).

Ultramafic/Mafic Ni-Cu: Gabbroid [M02] Archean to Proterozoic. Deposits: up to 30 Mt grading 0.77% Ni and 0.47% Cu, but can be much higher in grade (e.g. Giant Mascot).

Volcanic Redbed Cu: [D04] Triassic. Up to 5 Mt grading 1.5% Cu (e.g. Sustut).

For more information on B.C. mineral deposit profiles, visit: www.empr.gov.bc.ca/Mining/Geoscience/MineralDepositProfiles



- Porphyry - Calcalkalic
- Porphyry-Alkalic
- ▲ Vein-Mesothermal
- + Skarn
- Massive Sulphide-Volcanogenic; Subaqueous hot spring
- Massive Sulphide-Kuroko/Noranda
- Massive Sulphide-Besshi
- Massive Sulphide-Sedex; Cyprus
- ★ Volcanic Redbed
- * Current Producer
- + Past Producer



Selected B.C. Copper Deposits Ranked by Contained Copper

Deposit	Estimated Tonnage t (x 10 ⁶)	Grades			Contained Cu t (x10 ³)
		% Cu	% Mo	g/t Au	
Kerr (KSM)	M + Ind. 237.5 Inf. 76.1	0.48 0.30		0.26 0.20	5,756
Sulphurets (KSM)	M + Ind. 159 Inf. 144	0.28 0.16		0.63 0.16	
Mitchell (KSM)	M + Ind. 1,740 Inf. 538.4	0.17 0.14		0.60 0.44	
Galore Creek	M + Ind. 785.7 Inf. 357.7	0.52 0.36		0.29 0.18	4.87 3.64
Copper Canyon	Inf. 53.7	0.50		0.73	10.6
Windy Craggy	297.4	1.38		0.20	3.83
Schaft Creek	M + Ind. 1,393 Inf. 186.8	0.25 0.14	0.019 0.018	0.18 0.09	1.55 1.61
Gibraltar	M + Ind. 959	0.30	0.008		2,859
Red Chris	M + Ind. 312.6 Inf. 237.7	0.54 0.46		0.55 0.50	2,781
Copper Mountain	M + Ind. 518.6 Inf. 390.7	0.31 0.23			2,506
Prosperity	M + Ind. 1,011	0.24		0.41	2,426
Harper Creek	M + Ind. 450.9 Inf. 142.2	0.32 0.33			1,992
Berg	M + Ind. 506 Inf. 144.6	0.30 0.23	0.037 0.033		3.80 2.50
Bell	296	0.46		0.20	1,362
Mt. Milligan	M + Ind. 706.7 Inf. 20.5	0.18 0.15		0.33 0.21	1,318
Kemess North	M + Ind. 719.2	0.15		0.30	1,080
Kemess South	M 1.7	0.14		0.17	
Morrison	M + Ind. 208.3 Inf. 62.8	0.39 0.38	0.005 0.005	0.19 0.19	1,051
New Afton	M + Ind. 65 Inf. 25.2	1.07 0.66	0.009	0.80 0.54	862
Hushamu	M + Ind. 230.9 Inf. 52.8	0.28 0.28		0.31 0.38	794
M Measured	Ind Indicated			Inf Inferred	