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 (1,167).
- 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

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

### 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.

### 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.

### 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.
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% Cu, <0.1 to 0.6 g/t Au, 1 to 3 g/t Ag 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).


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. Craigmont).

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