

# Copper 2012

## Copper - 2012 Annual Review

- Note: There is no annual review covering the year 2012 for copper. However, the information listed below is available, and previous years' reviews can be obtained by clicking the link at the top of this page.

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# Copper - Other Information

## GENERAL INFORMATION

Canada is an important producer of copper, which is one of the most useful and important metals known.

Copper's properties, particularly its high electrical and thermal conductivity, good tensile strength, elevated melting point, non-magnetic properties, and resistance to corrosion, make it and its alloys very attractive for electrical transmission, water tubing, castings, and heat exchangers.

## OCCURRENCES AND MINERALOGY

In nature, copper is usually associated with other metals such as zinc, nickel, molybdenum, and gold. Copper combines with sulphur and iron to form sulphide minerals, which may occur with these metals in either massive sulphide deposits or as disseminated deposits known as porphyries.

The most common copper deposits in Canada are accumulations of massive sulphides from volcanic or magmatic activity, and porphyries, which have a magmatic origin. Economic massive sulphide deposits normally contain concentrations (or grades) of copper and other metals that are higher than those found in porphyry deposits, which usually are much larger in volume.

Occurrences of copper minerals in Canada are very widespread. However, concentrations of copper-bearing ore that permit profitable exploitation are confined to relatively few locations. British Columbia and Ontario are the two largest copper-producing provinces, followed by Newfoundland and Labrador, Manitoba, Quebec, Yukon, New Brunswick, the Northwest Territories, and Saskatchewan.

Orebodies at or near the surface are usually mined by open-pit methods. When an orebody occurs at depth, it must be mined by underground methods.

## USES

Some of the most common and widespread applications for copper are in electrical transmissions, water tubing, castings, and heat exchangers. Worldwide, over two-thirds of the copper produced is used in wire and cable. In Canada, more than half of the copper that is refined annually is used for electrical applications, mostly wire.

Due to its high electrical conductivity, a primary application of copper is in wire and cable used to carry power and signals. The high conductivity means good efficiency, and good corrosion resistance means that copper is a very good electrical conductor. High conductivity means a smaller cross-section for wires relative to other metals, which is important for small motors, hand tools, and crowded conduit spaces. However, in long-distance transmission lines, the heavier density of copper relative to conductivity means that aluminum is preferred to copper as the current-carrying metal for such lines.

Copper is at the heart of the giant generators at power stations, and in transformers, electric motors of diesel locomotives, starters and generators in automobiles, and thousands of smaller electric motors, such as those used in household appliances. Copper's high thermal conductivity also makes it a leading

competitor for heat exchangers such as automotive radiators and those used for solar heating. Copper cables are also buried underground to form power and communication networks for cities and towns, and are laid beneath the sea to provide links between continents.

The second largest user of copper is the brass mill industry, which manufactures copper and copper alloy tube and pipe, plate, sheet and strip, rods, bars, and shapes.

More information on the applications of copper can be found on the web sites of various copper development organizations. An extensive review of applications is also available at [www.copperinfo.com/cproducts/index.html](http://www.copperinfo.com/cproducts/index.html).

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**TABLE 1. CANADA, COPPER MINE PRODUCTION AND SHIPMENTS, 2010-12**

	2010		2011		2012 (p)	
	(kilograms)	(\$000)	(kilograms)	(\$000)	(kilograms)	(\$000)
<b>MINE PRODUCTION (1)</b>	522,171,782	..	568,778,606	..	576,134,386	..
<b>SHIPMENTS (2)</b>						
Newfoundland and Labrador	48,369,100	375,393	65,503,750	571,586	57,831,980	459,764
New Brunswick	8,429,814	65,424	9,246,956	80,689	8,917,107	70,891
Quebec	23,383,841	181,482	20,042,762	174,893	24,723,552	196,552
Ontario	154,096,230	1,195,941	208,172,854	1,816,516	184,992,879	1,470,693
Manitoba	53,254,298	413,307	54,606,309	476,495	41,125,369	326,947
Saskatchewan	–	–	–	–	147,190	1,170
British Columbia	195,925,356	1,520,577	175,160,961	1,528,455	226,794,371	1,803,015
Yukon	24,424,020	189,555	19,463,373	169,837	18,180,901	144,538
Northwest Territories	–	–	124,011	1,082	579,188	4,605
<b>Total</b>	<b>507,882,659</b>	<b>3,941,677</b>	<b>552,320,976</b>	<b>4,819,553</b>	<b>563,292,536</b>	<b>4,478,176</b>
Refined	319,618,720	..	273,760,547	..	270,650,501	..

Sources: Natural Resources Canada; Statistics Canada.

– Nil; .. Not available; (p) Preliminary.

(1) Copper contained in concentrates produced. (2) Anode copper recovered in Canada from domestic concentrates plus exports of payable copper in concentrate and matte.

Notes: Numbers may not add to totals due to rounding.

**TABLE 2. CANADA, COPPER TRADE, 2010-12**

		2010		2011		2012	
		(tonnes)	(\$000)	(tonnes)	(\$000)	(tonnes)	(\$000)
<b>EXPORTS</b>							
2603.00.10	Copper ores and concentrates: copper content						
	Japan	86,276	650,166	112,019	949,547	110,191	837,239
	China	56,745	434,915	92,623	761,982	103,114	671,756
	Germany	16,138	127,352	17,512	144,984	28,647	194,987
	South Korea	15,136	118,256	23,291	198,990	20,199	155,967
	Bulgaria	12,604	95,204	25,342	137,243	15,179	122,895
	Other countries	58,610	373,257	95,837	702,518	96,401	647,359
	<b>Total</b>	<b>245,509</b>	<b>1,799,150</b>	<b>366,624</b>	<b>2,895,264</b>	<b>373,731</b>	<b>2,630,203</b>
2604.00.10, 2607.00.10, 2608.00.10, 2616.10.10	Copper content in other ores and concentrates						
	<b>Total</b>	<b>125</b>	<b>625</b>	<b>3,785</b>	<b>28,954</b>	<b>125</b>	<b>800</b>
2620.30	Copper ash and residues						
	United States	310	1,117	239	1,295	224	997
	Other countries	461	2,887	157	417	29	171
	<b>Total</b>	<b>771</b>	<b>4,004</b>	<b>396</b>	<b>1,712</b>	<b>253</b>	<b>1,168</b>
2825.50	Copper oxides and hydroxides						
	<b>Total</b>	<b>—</b>	<b>—</b>	<b>4</b>	<b>13</b>	<b>1</b>	<b>2</b>
2833.25	Copper sulphates						
	United States	4,517	9,484	4,333	10,691	4,289	9,325
	Other countries	319	606	208	427	207	354
	<b>Total</b>	<b>4,836</b>	<b>10,090</b>	<b>4,541</b>	<b>11,118</b>	<b>4,496</b>	<b>9,679</b>
7401.00	Copper mattes; cement copper (precipitated copper)						
	Norway	21,575	160,136	21,268	174,160	22,928	170,480
	Other countries	8,865	17,523	8,864	28,240	5,811	26,624
	<b>Total</b>	<b>30,440</b>	<b>177,659</b>	<b>30,132</b>	<b>202,400</b>	<b>28,739</b>	<b>197,104</b>
7402.00	Copper anodes						
	United States	21,857	162,149	2	55	12	149
	Other countries	43	215	17	80	21	120
	<b>Total</b>	<b>21,900</b>	<b>162,364</b>	<b>19</b>	<b>135</b>	<b>33</b>	<b>269</b>
7403.11 to 7403.19	Refined copper and copper alloys, unwrought; refined copper						
	United States	167,814	1,270,755	137,770	1,210,780	115,342	926,044
	Other countries	16,514	125,175	843	7,511	1,047	7,164
	<b>Total</b>	<b>184,328</b>	<b>1,395,930</b>	<b>138,613</b>	<b>1,218,291</b>	<b>116,389</b>	<b>933,208</b>
7403.21 to 7403.29	Refined copper and copper alloys, unwrought; other copper alloys						
	United States	2,588	19,248	2,520	21,861	2,962	23,632
	Other countries	286	1,848	212	1,582	537	3,445
	<b>Total</b>	<b>2,874</b>	<b>21,096</b>	<b>2,732</b>	<b>23,443</b>	<b>3,499</b>	<b>27,077</b>
7404.00	Copper waste and scrap						
	China	103,828	295,047	114,712	359,630	119,495	343,273
	United States	41,524	216,000	49,392	282,145	46,915	270,156
	Other countries	12,437	41,671	14,470	65,922	13,545	50,999
	<b>Total</b>	<b>157,789</b>	<b>552,718</b>	<b>178,574</b>	<b>707,697</b>	<b>179,955</b>	<b>664,428</b>
7405.00	Master alloys of copper						
	United States	18	87	...	8	2	220
7406.10 to 7406.20	Copper powders and flakes						
	United States	22	355	...	11	80	292
	Germany	29	253	18	172	31	280
	Other countries	...	2	6	48	15	115
	<b>Total</b>	<b>51</b>	<b>610</b>	<b>24</b>	<b>231</b>	<b>126</b>	<b>687</b>
7407.10 to 7407.29	Copper bars, rods and profiles of refined copper and copper alloys						
	United States	3,395	29,182	3,662	36,731	1,912	20,248
	Other countries	105	1,206	55	646	123	5,782
	<b>Total</b>	<b>3,500</b>	<b>30,388</b>	<b>3,717</b>	<b>37,377</b>	<b>2,035</b>	<b>26,030</b>

7408.11 to 7408.29	Copper wire of refined copper and copper alloys						
	United States	99,832	770,758	105,982	958,710	122,290	995,282
	Other countries	6,559	52,646	6,205	55,163	6,876	56,367
	<b>Total</b>	<b>106,391</b>	<b>823,404</b>	<b>112,187</b>	<b>1,013,873</b>	<b>129,166</b>	<b>1,051,649</b>
7409.11 to 7410.22	Copper and copper alloy plates, sheets, strip and foil						
	<b>Total</b>	<b>83</b>	<b>664</b>	<b>131</b>	<b>396</b>	<b>1,010</b>	<b>9,275</b>
7411.10 to 7411.29	Copper tubes and pipes						
	United States	14,231	136,738	16,324	183,613	17,917	187,846
	Other countries	903	8,965	718	7,204	648	6,396
	<b>Total</b>	<b>15,134</b>	<b>145,703</b>	<b>17,042</b>	<b>190,817</b>	<b>18,565</b>	<b>194,242</b>
		(n.a.)	(\$000)	(n.a.)	(\$000)	(n.a.)	(\$000)
7412.10 to 7412.20	Copper tube or pipe fittings (for example, couplings, elbows, sleeves)						
	United States	..	21,624	..	21,029	..	19,526
	Ireland	..	7	..	756	..	505
	Other countries	..	1,129	..	1,257	..	1,627
	<b>Total</b>	..	<b>22,760</b>	..	<b>23,042</b>	..	<b>21,658</b>
		(tonnes)	(\$000)	(tonnes)	(\$000)	(tonnes)	(\$000)
7413.00	Stranded wire, cables, plaited bands and the like, of copper, not electrically insulated						
	United States	586	5,383	581	6,003	615	5,117
	Other countries	64	518	26	170	48	394
	<b>Total</b>	<b>650</b>	<b>5,901</b>	<b>607</b>	<b>6,173</b>	<b>663</b>	<b>5,511</b>
		(n.a.)	(\$000)	(n.a.)	(\$000)	(n.a.)	(\$000)
7414, 7415, 7416, 7419	Other items of copper						
	United States	..	21,266	..	32,547	..	29,632
	Other countries	..	3,912	..	3,958	..	5,600
	<b>Total</b>	..	<b>25,178</b>	..	<b>36,505</b>	..	<b>35,232</b>
<b>Total exports</b>		..	<b>5,178,331</b>	..	<b>6,397,449</b>	..	<b>5,808,442</b>
<b>IMPORTS (1)</b>							
		(tonnes)	(\$000)	(tonnes)	(\$000)	(tonnes)	(\$000)
2603.00.00.10	Copper ores and concentrates: copper content						
	United States	12,595	92,418	14,264	123,801	13,320	101,741
	Peru	18,887	106,963	607	4,964	782	5,670
	Other countries	12,951	90,530	43	44	35	248
	<b>Total</b>	<b>44,433</b>	<b>289,911</b>	<b>14,914</b>	<b>128,809</b>	<b>14,137</b>	<b>107,659</b>
2604.00.00.10, 2607.00.00.10, 2608.00.00.10, 2616.10.00.10	Other ores and concentrates: copper content						
	Australia	716	5,235	883	6,906	802	6,539
	Finland	–	–	–	–	363	2,848
	Other countries	127	537	662	4,682	...	4
	<b>Total</b>	<b>843</b>	<b>5,772</b>	<b>1,545</b>	<b>11,588</b>	<b>1,165</b>	<b>9,391</b>
2620.30	Copper ash and residues						
	United States	51,983	88,220	45,077	75,210	32,753	55,025
	Taiwan	8,415	12,724	8,876	8,858	7,487	9,337
	Germany	3,855	11,341	3,388	9,858	3,616	8,738
	Other countries	5,777	1,109	662	2,568	2,511	7,173
	<b>Total</b>	<b>70,030</b>	<b>113,394</b>	<b>58,003</b>	<b>96,494</b>	<b>46,367</b>	<b>80,273</b>
2825.50.00	Copper oxides and hydroxides						
	United States	2,038	8,632	2,382	11,979	3,069	11,642
	Other countries	72	211	63	200	1	4
	<b>Total</b>	<b>2,110</b>	<b>8,843</b>	<b>2,445</b>	<b>12,179</b>	<b>3,070</b>	<b>11,646</b>
2833.25	Copper sulphates						
	Russia	8,290	19,365	11,160	30,560	8,830	22,894
	Chile	6,387	12,389	4,920	12,023	5,921	11,824
	Other countries	8,135	21,720	7,258	19,903	5,400	13,410
	<b>Total</b>	<b>22,812</b>	<b>53,474</b>	<b>23,338</b>	<b>62,486</b>	<b>20,151</b>	<b>48,128</b>
7402.00.00.10 and 7402.00.00.20	Copper anodes						
	Chile	43,908	311,069	14,997	131,503	15,050	116,926
	Other countries	2,987	23,199	2,785	19,751	3,184	10,074

	<b>Total</b>	<b>46,895</b>	<b>334,268</b>	<b>17,782</b>	<b>151,254</b>	<b>18,234</b>	<b>127,000</b>
7403.11 to 7403.19	Refined copper and copper alloys, unwrought; refined copper						
	United States	7,205	47,028	3,387	21,484	295	2,691
	Other countries	653	5,553	942	8,883	479	4,116
	<b>Total</b>	<b>7,858</b>	<b>52,581</b>	<b>4,329</b>	<b>30,367</b>	<b>774</b>	<b>6,807</b>
7403.21 to 7403.29	Refined copper and copper alloys, unwrought; other copper alloys						
	United States	5,833	29,886	4,377	35,903	3,857	31,290
	Other countries	33	449	45	796	144	1,496
	<b>Total</b>	<b>5,866</b>	<b>30,335</b>	<b>4,422</b>	<b>36,699</b>	<b>4,001</b>	<b>32,786</b>
7404.00	Copper waste and scrap						
	United States	48,006	224,662	63,287	294,552	56,795	297,264
	Other countries	25,722	12,893	1,082	4,773	1,059	5,644
	<b>Total</b>	<b>73,728</b>	<b>237,555</b>	<b>64,369</b>	<b>299,325</b>	<b>57,854</b>	<b>302,908</b>
7405.00	Master alloys of copper						
	United States	153	1,435	262	2,748	262	2,345
	Other countries	6	58	6	54	21	207
	<b>Total</b>	<b>159</b>	<b>1,493</b>	<b>268</b>	<b>2,802</b>	<b>283</b>	<b>2,552</b>
7406.10 to 7406.20	Copper powders and flakes						
	United States	2,399	19,058	2,031	19,050	2,460	18,972
	Other countries	171	1,514	118	1,337	85	933
	<b>Total</b>	<b>2,570</b>	<b>20,572</b>	<b>2,149</b>	<b>20,387</b>	<b>2,545</b>	<b>19,905</b>
7407.10 to 7407.29	Copper bars, rods and profiles of refined copper and copper alloys						
	United States	16,498	119,507	19,256	163,488	19,250	162,988
	Other countries	3,490	29,934	3,535	34,604	6,111	56,924
	<b>Total</b>	<b>19,988</b>	<b>149,441</b>	<b>22,791</b>	<b>198,092</b>	<b>25,361</b>	<b>219,912</b>
7408.11 to 7408.29	Copper wire of refined copper and copper alloys						
	United States	37,764	281,787	40,416	355,046	41,897	345,116
	Other countries	732	7,467	763	9,060	748	8,174
	<b>Total</b>	<b>38,496</b>	<b>289,254</b>	<b>41,179</b>	<b>364,106</b>	<b>42,645</b>	<b>353,290</b>
7409.11 to 7410.22	Copper and copper alloy plates, sheets, strip and foil						
	United States	11,801	111,105	12,029	120,890	11,685	115,653
	Other countries	7,224	67,166	6,306	72,596	5,287	63,560
	<b>Total</b>	<b>19,025</b>	<b>178,271</b>	<b>18,335</b>	<b>193,486</b>	<b>16,972</b>	<b>179,213</b>
7411.10	Copper tubes and pipes of refined copper						
	United States	7,795	71,186	7,051	65,632	5,248	42,099
	Other countries	6,522	55,872	7,326	73,219	8,047	75,194
	<b>Total</b>	<b>14,317</b>	<b>127,058</b>	<b>14,377</b>	<b>138,851</b>	<b>13,295</b>	<b>117,293</b>
7411.21	Pipes and tubes, copper-zinc base alloys						
	China	538	5,568	481	5,569	566	6,169
	Other countries	690	7,053	642	7,595	735	8,922
	<b>Total</b>	<b>1,228</b>	<b>12,621</b>	<b>1,123</b>	<b>13,164</b>	<b>1,301</b>	<b>15,091</b>
7411.22	Pipes and tubes, copper-nickel base alloys or copper-nickel-zinc base alloys						
	United States	176	3,065	158	2,593	192	2,673
	Other countries	396	4,601	341	4,992	282	3,615
	<b>Total</b>	<b>572</b>	<b>7,666</b>	<b>499</b>	<b>7,585</b>	<b>474</b>	<b>6,288</b>
7411.29	Plates and tubes, copper alloys, n.e.s.						
	United States	869	11,452	818	12,200	832	12,530
	Other countries	319	2,995	458	4,135	201	2,126
	<b>Total</b>	<b>1,188</b>	<b>14,447</b>	<b>1,276</b>	<b>16,335</b>	<b>1,033</b>	<b>14,656</b>
7412.10	Fittings, pipe or tube, of refined copper						
	United States	925	12,462	788	10,824	746	7,971
	South Korea	873	10,158	707	10,147	842	7,890
	Other countries	1,010	13,601	850	14,379	1,200	19,845
	<b>Total</b>	<b>2,808</b>	<b>36,221</b>	<b>2,345</b>	<b>35,350</b>	<b>2,788</b>	<b>35,706</b>
7412.20	Fittings, pipe or tube, copper alloys						
	United States	3,944	34,674	4,297	36,769	2,979	40,033
	China	3,858	33,491	4,067	35,755	4,343	36,542

	Other countries	4,424	33,986	3,457	38,165	3,990	38,530
	<b>Total</b>	<b>12,226</b>	<b>102,151</b>	<b>11,821</b>	<b>110,689</b>	<b>11,312</b>	<b>115,105</b>
7413.00	Stranded wire, cables, plaited bands and the like, of copper, not electrically insulated						
	United States	12,462	91,882	15,855	134,411	19,273	143,846
	Other countries	136	1,250	193	2,253	188	2,193
	<b>Total</b>	<b>12,598</b>	<b>93,132</b>	<b>16,048</b>	<b>136,664</b>	<b>19,461</b>	<b>146,039</b>
7415.10	Nails, tacks, drawing pins, staples and similar articles of copper or of iron or steel with copper heads						
	<b>Total</b>	<b>94</b>	<b>722</b>	<b>122</b>	<b>945</b>	<b>186</b>	<b>969</b>
7415.21	Copper washers, including spring washers						
	United States	1,371	1,627	662	1,760	782	2,252
	Other countries	524	1,413	372	1,901	407	2,178
	<b>Total</b>	<b>1,895</b>	<b>3,040</b>	<b>1,034</b>	<b>3,661</b>	<b>1,189</b>	<b>4,430</b>
7415.29	Articles of copper, not threaded, n.e.s., similar to those of headings 7415.10 and 7415.21						
	United States	205	2,540	203	2,143	249	2,629
	Other countries	221	1,030	141	1,297	304	1,700
	<b>Total</b>	<b>426</b>	<b>3,570</b>	<b>344</b>	<b>3,440</b>	<b>553</b>	<b>4,329</b>
7415.33	Screws, bolts and nuts of copper, excluding wood screws						
	United States	646	4,156	653	3,471	307	3,602
	Other countries	1,049	4,307	975	4,295	590	4,475
	<b>Total</b>	<b>1,695</b>	<b>8,463</b>	<b>1,628</b>	<b>7,766</b>	<b>897</b>	<b>8,077</b>
7415.39	Articles of copper, threaded, n.e.s., similar to bolts, nuts and screws						
	United States	317	3,666	474	4,216	1,076	4,574
	Other countries	141	1,957	171	2,452	273	3,020
	<b>Total</b>	<b>458</b>	<b>5,623</b>	<b>645</b>	<b>6,668</b>	<b>1,349</b>	<b>7,594</b>
7419.10	Chain and parts thereof of copper						
	<b>Total</b>	<b>79</b>	<b>346</b>	<b>62</b>	<b>331</b>	<b>73</b>	<b>207</b>
7419.91	Articles of copper, not further worked than cast, moulded, stamped or forged.						
	United States	1,583	12,326	1,661	13,637	359	3,514
	Other countries	236	1,994	165	1,365	...	14
	<b>Total</b>	<b>1,819</b>	<b>14,320</b>	<b>1,826</b>	<b>15,002</b>	<b>359</b>	<b>3,528</b>
		<b>(n.a.)</b>	<b>(\$000)</b>	<b>(n.a.)</b>	<b>(\$000)</b>	<b>(n.a.)</b>	<b>(\$000)</b>
7419.99	Articles of copper, n.e.s.						
	United States	..	24,165	..	24,612	..	28,045
	Other countries	..	23,826	..	23,253	..	26,855
	<b>Total</b>	<b>..</b>	<b>47,991</b>	<b>..</b>	<b>47,865</b>	<b>..</b>	<b>54,900</b>
<b>Total imports</b>		<b>..</b>	<b>2,242,535</b>	<b>..</b>	<b>2,152,390</b>	<b>..</b>	<b>2,035,682</b>

Sources: Natural Resources Canada; Statistics Canada.

– Nil; .. Not available; ... Amount too small to be expressed; n.e.s. Not elsewhere specified.

(1) Imports from "Other countries" may include re-imports from Canada.

Notes: Numbers may not add to totals due to rounding. Harmonized System code descriptions in this table may have been abbreviated.

**TABLE 3. CANADA, COPPER PRODUCTION, TRADE, (1) AND USE, HISTORICAL, 1988-2012**

Year	Production		Exports			Imports	Use
	Shipments (2)	Refinery Output	Concentrates and Mattes (3)	Refined (4)	Total	Refined (5)	Refined (6)
	(tonnes)						
1988	758 478	528 723	348 404	268 680	617 084	4 660	236 281
1989	704 432	515 216	348 811	321 690	670 501	4 408	213 046
1990	771 433	515 835	374 875	335 941	710 816	2 611	180 605
1991	780 362	538 339	348 080	377 985	726 065	2 321	159 170
1992	761 694	539 302	346 842	385 761	732 603	8 916	156 132
1993	709 650	561 580	319 840	408 364	728 204	21 155	185 565
1994	590 784	549 869	237 553	388 568	626 121	19 594	199 350
1995	700 843	572 616	274 492	434 691	709 183	24 176	189 550
1996	652 499	559 200	409 578	384 337	793 915	28 700	218 280
1997	647 779	560 582	515 547	381 475	897 022	22 602	224 776
1998	690 762	562 261	433 685	355 826	789 511	18 685	246 212
1999	581 583	548 563	355 839	294 107	649 946	16 475	266 504
2000	621 889	551 393	426 007	288 334	714 341	11 875	272 076
2001	614 312	567 720	359 634	308 898	668 532	7 994	265 210
2002	584 195	494 522	311 920	238 117	550 037	11 692	274 133
2003	540 998	454 866	196 538	218 810	415 348	21 712	257 338
2004	544 558	526 955	180 910	279 741	460 651	53 336	297 184
2005	577 304	515 223	275 281	296 958	572 239	64 638	289 721
2006	586 489	500 463	288 939	279 946	568 885	58 715	300 567
2007	577 545	453 453	244 085	297 713	541 798	11 715	206 048
2008	584 003	442 050	385 575	289 991	675 566	11 652	..
2009	470 347	335 896	281 008	221 641	502 649	10 570	..
2010	507 883	319 619	276 075	184 328	460 403	7 857	..
2011	552 321	273 761	400 544	138 614	539 158	4 330	..
2012 (p)	563 293	270 651	402 595	116 389	518 984	773	..

Sources: Natural Resources Canada; Statistics Canada.

.. Not available; (p) Preliminary.

(1) Beginning in 1988, exports and imports are based on the new Harmonized System and may not be in complete accordance with previous method of reporting. (2) From 1975 to 1988, shipments include anode copper recovered in Canada from domestic concentrate plus exports of payable copper in concentrates and matte. Starting in 1989 to date, recoverable copper in concentrate shipped. (3) Data include export HS codes 2603.00.10, 2604.00.10, 2607.00.10, 2608.00.10, and 2616.10.10; from 1988 to 2006, data include export HS codes 7401.10 and 7401.20; and from 2007 onwards, data include export HS code 7401.00.00. (4) Data include export HS codes 7403.11, 7403.12, 7403.13, and 7403.19. (5) Data include import HS codes 7403.11, 7403.12, 7403.13, and 7403.19. (6) Includes producers' domestic shipments of refined copper plus imports of refined shapes.

Notes: Numbers may not add to totals due to rounding. The Mineral Use Survey for copper is currently suspended by Natural Resources Canada.



**TABLE 4. COPPER PRODUCING MINES IN CANADA, 2012**

<b>Mine Name</b>	<b>Location</b>	<b>Operator</b>	<b>Owner</b>
Duck Pond	Millertown, N.L.	Teck Resources Ltd.	Teck Resources Ltd.
Ming	Baie Verte, N.L.	Rambler Metals and Mining plc	Rambler Metals and Mining plc
Voisey's Bay	Voisey's Bay, N.L.	Vale Canada Ltd.	Vale
Brunswick	Bathurst, N.B.	Glencore Xstrata	Glencore Xstrata
LaRonde	Val-d'Or, Que.	Agnico-Eagle Mines Ltd.	Agnico-Eagle Mines Ltd.
Bracemac-McLeod	Mattagami Lake, Que.	Glencore Xstrata	Glencore Xstrata
Langlois	Lebel-sur-Quévillon, northwestern Que.	Nyrstar	Nyrstar
Raglan	Northern Que.	Glencore Xstrata	Glencore Xstrata
Kidd Creek	Timmins, Ont.	Glencore Xstrata	Glencore Xstrata
Fraser-Morgan/Strathcona	Sudbury, Ont.	Glencore Xstrata	Glencore Xstrata
Nickel Rim South	Sudbury, Ont.	Glencore Xstrata	Glencore Xstrata
Copper Cliff North	Sudbury, Ont.	Vale Canada Ltd.	Vale
Creighton	Sudbury, Ont.	Vale Canada Ltd.	Vale
Garson	Sudbury, Ont.	Vale Canada Ltd.	Vale
McCreedy East/Coleman	Sudbury, Ont.	Vale Canada Ltd.	Vale
Stobie	Sudbury, Ont.	Vale Canada Ltd.	Vale
Lavack/Morrison	Sudbury, Ont.	KGHM International Ltd.	KGHM Polska Miedź S.A.
Podolsky	Sudbury, Ont.	KGHM International Ltd.	KGHM Polska Miedź S.A.
McCreedy West	Sudbury, Ont.	KGHM International Ltd.	KGHM Polska Miedź S.A.
Lockerby	Sudbury, Ont.	First Nickel Inc.	First Nickel Inc.
Lac des Iles	Northwest of Thunder Bay, Ont.	North American Palladium Ltd.	North American Palladium Ltd.
777	Flin Flon, Man.	HudBay Minerals Inc.	HudBay Minerals Inc.
Reed Lake	East of Flin Flon, Man.	HudBay Minerals Inc.	HudBay Minerals Inc.(70%) and VMS Ventures Inc. (30%)
Lalor	East of Flin Flon, Man.	Hudbay Minerals Inc.	Hudbay Minerals Inc.
Thompson	Thompson, Man.	Vale Canada Ltd.	Vale
Copper Mountain	Princeton, B.C.	Copper Mountain Mining Corp.	Copper Mountain Mining Corp. (75%) and Mitsubishi Materials Corp. (25%)
New Afton	Kamloops, B.C.	New Gold Inc.	New Gold Inc.
Myra Falls	Vancouver Island, B.C.	Nyrstar	Nyrstar
Gibraltar	William Lake, B.C.	Taseko Mines Ltd.	Taseko Mines Limited (75%) and Cariboo Copper Corp. (25%)
Highland Valley	Logan Lake, B.C.	Teck Resources Ltd.	Teck Resources Ltd.
Huckleberry	Houston, B.C.	Huckleberry Mines Ltd.	Imperial Metals Corp. (50%) and the Japan Group (50%) (Mitsubishi Materials Corp., Furukawa Co., and Dowa Mining Co. Ltd.)
Mount Polley	William Lake, B.C.	Imperial Metals Corp.	Imperial Metals Corp.
Minto Mine	North of Whitehorse, Yukon	Capstone Mining Corp.	Capstone Mining Corp.
Wolverine	Ross River, Yukon	Yukon Zinc Corp.	Yukon Zinc Corp.
Cantung	Northwest Territories	North American Tungsten Corporation Ltd.	North American Tungsten Corporation Ltd.

Source: Natural Resources Canada .