

Mineral Industry Surveys

For information, contact:

Daniel L. Edelstein, Copper Commodity Specialist U.S. Geological Survey 989 National Center Reston, VA 20192

Telephone: (703) 648-4978, Fax: (703) 648-7757

E-mail: dedelste@usgs.gov

Samir Hakim (Data) Telephone: (703) 648-7955 Fax: (703) 648-7975 E-mail: shakim@usgs.gov

Internet: http://minerals.usgs.gov/minerals

COPPER IN DECEMBER 2012

Average daily mine production of recoverable copper declined by about 6% in December from November's high level, principally owing to lower leach (electrowon) production in Arizona. Mine production for the full-year 2012 increased by about 5% from that in 2011 and was at its highest level since 2009. The 2012 production increase was nearly evenly divided between recoverable copper in concentrate and electrowon copper. Although the COMEX spot price began 2012 at \$3.52 per pound of copper, was \$3.64 per pound at yearend, and averaged \$3.61 per pound during the year, it fluctuated significantly and ranged from a high of \$3.97 per pound in February to a low of \$3.28 per pound in June.

In 2012, mine production increases in Arizona, Nevada, and New Mexico were partially offset by lower production in Utah, where production at Kennecott Utah Copper's Bingham Canyon Mine decreased by 32,000 metric tons (t). Freeport-McMoRan Copper & Gold Inc. (FCX) reported that owing to restart of mining and milling at its Chino Mine, production from its New Mexico mines rose to 103,000 t, a 55% increase from production in 2011. With ramp up at Chino continuing through 2013, FCX projected New Mexico production to rise to more than 150,000 t in 2014. In 2012, production from FCX's mines in Arizona rose slightly to 557,000 t, and production at ASARCO LLC's mines in Arizona also rose slightly, as a 9% increase in production at the Ray Mine was partially offset by lower production at the Mission Mine. A \$60 million investment in new ball mills at the Mission Mine, slated to come on stream in the third quarter of 2013, was expected to increase production at Mission by 10,000 metric tons per year of copper (Freeport-McMoRan Copper & Gold Inc., 2013, p. 4, II; Grupo México, S.A.B. de C.V., 2013, p. 2, 7; Rio Tinto plc, 2013).

U.S. production of refined copper in 2012 decreased by about 3% from that in 2011, as increases in electowon copper and secondary refined copper were more than offset by a 10% decline in electrolytic primary refined copper owing to a shortage of domestically produced anode. Smelter production declined by 10% to its lowest level since before World War II owing to lower concentrate production available to feed Kennecott's integrated smelter, as well as maintenance shutdowns at the other two smelters. Consequently, exports of

copper in concentrates rose by 19% and were equal to the record-high level established in 2008. Consumption of refined copper remained essentially unchanged in 2012.

According to preliminary data developed by the International Copper Study Group (ICSG) (2013), the refined copper balance for 2012 indicated that global apparent consumption for refined copper exceeded global production by about 340,000 t. According to the ICSG, however, anecdotal evidence, supported by high import levels into China during the first half of 2012, indicates that unreported inventories held in bonded warehouses in China may have risen significantly. Accounting for this inventory increase would significantly alter the global calculated market balance. The ICSG apparent consumption for China, which in 2012 accounted for about 43% of global demand for refined copper, is based on reported production, trade, and stock data, and does not account for changes in unreported Government and industry stocks. World consumption of refined copper in 2012, incorporating China's apparent consumption growth of 11%, increased by 3.1% compared with that in 2011. World consumption exclusive of China, however, decreased by 2.2%. World mine production of copper increased by 4.5% (715,000 t) and mine capacity utilization increased slightly to 82%, ending a 7-year downward trend. World production of refined copper increased by 2.5% (485,000 t) from that in 2011.

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 $\label{table 1} \textbf{TABLE 1}$ SALIENT STATISTICS OF THE COPPER INDUSTRY IN THE UNITED STATES 1

(Metric tons, unless otherwise specified)

				201	2	
	Source					January-
	table ²	2011 ^p	October	November	December	December
Production:						
Primary:						
Mine, recoverable	(2)	1,110,000	105,000	111,000 ^r	107,000	1,170,000
Refinery:						
Electrolytic, domestic and foreign	(4)	545,000	46,500	47,700	48,900	491,000
Electrowon	(4)	447,000	43,000 r	41,200 ^r	38,400	471,000
Total	(4)	992,000	89,600 ^r	88,900 ^r	87,300	962,000
Secondary recoverable copper:						
Refineries	(5)	37,300	4,510 ^r	4,010 ^r	4,010	39,500
Ingot makers ³	(5)	71,500	5,960	5,960	5,960	71,500
Brass and wire-rod mills	(5)	571,000	47,800 ^r	47,300 ^r	46,300	573,000
Foundries, etc. ³	(5)	46,000	3,830	3,830	3,830	46,000
Smelter, total	(3)	538,000	53,800	47,200	40,800	485,000
Consumption:						
Apparent	(8)	1,710,000	146,000	155,000	132,000	1,750,000
Refined (reported)	(7)	1,750,000	144,000	137,000 ^r	126,000	1,760,000
Purchased copper-base scrap	(9)	924,000	78,600 ^r	77,400 ^r	76,300	929,000
Stocks at end of period:						
Total refined	(10)	409,000	194,000 ^r	203,000 ^r	236,000	236,000
Blister, etc.	(10)	13,000	19,700	18,600	12,300	12,300
Prices, U.S. producer cathode (cents per pound) ⁴	(11)	405.854	373.819	356.186	368.189	367.276
Imports: ⁵						
Ore and concentrate ⁶	(13)	15,100	51	143	1	6,290
Refined	(13)	670,000	52,700	64,700	66,100	630,000
Exports: ⁵						
Ore and concentrate ⁶	(14)	252,000	17,500	22,400	28,800	301,000
Refined	(14)	40,400	3,160	3,320	2,510	159,000

^pPreliminary. ^rRevised.

¹Data are rounded to no more than three significant digits, except prices; may not add to totals shown.

 $^{^2\}mbox{Numbers}$ in parentheses refer to the tables where these data are located.

³Monthly data estimated based on 2010 monthly average.

⁴Source: Platts Metals Week.

⁵Source: U.S. Census Bureau.

⁶Copper content.

 $\mbox{TABLE 2} \\ \mbox{MINE PRODUCTION OF RECOVERABLE COPPER IN THE UNITED STATES}^{1}$

(Metric tons)

	Rec	overable coppe	r		Contained copper	
Period	Arizona	Others ²	Total	Electrowon	Concentrates ³	Total
2011: ^p						
December	65,600	29,300	94,900	40,200	56,900	97,100
January-December	751,000	362,000	1,110,000	447,000	692,000	1,140,000
2012:						
January	62,800	29,600	92,300	39,200	55,200	94,400
February	64,500	27,700	92,200	39,100	55,400	94,400
March	65,700	27,100	92,800	40,900	54,000	94,900
April	64,600 ^r	32,600	97,200 ^r	39,000 ^r	60,500	99,600 ^r
May	65,200 ^r	26,700	91,900 ^r	40,100 ^r	54,000	94,100 ^r
June	56,700 ^r	30,800	87,500 ^r	36,500 ^r	53,000	89,500 ^r
July	60,700	27,700	88,400	37,100 ^r	53,400	90,500
August	66,200 ^r	40,000 r	106,000	39,100 ^r	69,700 ^r	109,000
September	60,900 ^r	34,600 ^r	95,600 ^r	37,400 ^r	60,500 r	98,000 ^r
October	64,000 ^r	40,500 r	105,000	43,000 r	63,800 ^r	107,000
November	67,500 ^r	43,300 ^r	111,000 ^r	41,200 r	72,300 ^r	114,000 ^r
December	63,700	43,500	107,000	38,400	71,400	110,000
January-December	763,000	404,000	1,170,000	471,000	723,000	1,190,000

^pPreliminary. ^rRevised.

 $\label{eq:table 3} \text{COPPER PRODUCED AT SMELTERS IN}$ THE UNITED STATES 1,2

(Metric tons, copper content)

	Anode
Period	production
2011: ^p	
December	45,600
January-December	538,000
2012:	
January	44,800
February	36,800
March	29,500
April	34,100
May	29,400
June	27,600
July	49,400
August	44,400
September	47,500
October	53,800
November	47,200
December	40,800
January-December	485,000

^pPreliminary.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes production from Alaska, Idaho, Missouri, Montana, Nevada, New Mexico, and Utah.

³Includes copper content of precipitates and other metal concentrates.

¹Includes blister and copper anode from primary or secondary sources.

²Data are rounded to no more than three significant digits; may not add to total shown.

 ${\bf TABLE~4}$ PRODUCTION OF REFINED COPPER, BY SOURCE AND METHOD OF RECOVERY 1

(Metric tons)

	Pri	mary materials			
	Electrolytically				Total
Period	refined ²	Electrowon	Total	Scrap	refined
2011: ^p					
December	53,700	40,200	93,800	2,630	96,500
January-December	545,000	447,000	992,000	37,300	1,030,000
2012:	= ' <u></u>				
January	46,200	39,200	85,400	3,060	88,500
February	39,900	39,100	79,000	3,350	82,400
March	34,600	40,900	75,500	2,960	78,400
April	32,400	39,000 ^r	71,500 ^r	2,950	74,400 ^r
May	35,200	40,100 r	75,300 ^r	2,940	78,200 ^r
June	28,800	36,500 ^r	65,300 ^r	3,030	68,300 ^r
July	42,600	37,100 ^r	79,800	2,810	82,600
August	46,000	39,100 ^r	85,200 ^r	2,770	87,900 ^r
September	41,800	37,400 ^r	79,300 ^r	3,070	82,400 r
October	46,500	43,000 r	89,600 г	4,510 ^r	94,100 ^r
November	47,700	41,200 r	88,900 г	4,010 ^r	92,900 r
December	48,900	38,400	87,300	4,010	91,300
January-December	491,000	471,000	962,000	39,500	1,000,000

^pPreliminary. ^rRevised.

 ${\it TABLE~5}$ COPPER RECOVERABLE IN UNALLOYED AND ALLOYED FORM FROM PURCHASED COPPER-BASE SCRAP 1

(Metric tons, copper content)

	Refin	eries ²	Ingot n	nakers ³	Brass and wi	re-rod mills	Foundri	es, etc. ³	
Period	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	Total ⁴
2011: ^p									
December	1,180	1,450	972	4,990	45,400	1,480	2,730	1,110	59,300
January-December	18,900	18,400	11,700	59,800	553,000	17,600	32,700	13,300	726,000
2012:									
January	1,560	1,510	972	4,990	46,700	1,500	2,730	1,110	61,000
February	1,780	1,580	972	4,990	47,500	1,490	2,730	1,110	62,100
March	1,470	1,490	972	4,990	48,800	1,480	2,730	1,110	63,100
April	1,460	1,490	972	4,990	47,000	1,480	2,730	1,110	61,200
May	1,450	1,480	972	4,990	46,700	1,520	2,730	1,110	60,900
June	1,530	1,500	972	4,990	44,000	3,330	2,730	1,110	60,200
July	1,350	1,460	972	4,990	43,800 ^r	3,180	2,730	1,110	59,600 ^r
August	1,320	1,450	972	4,990	44,000 r	3,090	2,730	1,110	59,700 ^r
September	1,560	1,510	972	4,990	43,800 r	2,610	2,730	1,110	59,300 ^r
October	1,680	2,830 r	972	4,990	44,700 ^r	3,020	2,730	1,110	62,100 r
November	1,300	2,710 ^r	972	4,990	44,100 ^r	3,140	2,730	1,110	61,100 ^r
December	1,420	2,590	972	4,990	43,300	3,040	2,730	1,110	60,100
January-December	17,900	21,600	11,700	59,800	544,000	28,900	32,700	13,300	730,000

^pPreliminary. ^rRevised.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²From domestic and foreign source materials.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Electrolytically refined and fire-refined from scrap based on source of material at smelter or refinery level.

³Monthly data and 2011 cumulative data estimated based on 2010 annual data.

⁴Does not include an estimate, based on reported 2010 data, of 2,510 tons per month from new scrap and 1,830 tons per month from old scrap, of copper recovered from scrap other than copper-base.

 ${\it TABLE~6}$ PRODUCTION, SHIPMENTS, AND STOCKS OF BRASS AND WIRE-ROD SEMIFABRICATES 1

(Metric tons, gross weight)

	Proc	luction	Ship	pments	Stocks, end of period	
Period	Brass mills	Wire-rod mills	Brass mills	Wire-rod mills	Brass mills	Wire-rod mills
2011: ^p						
December	77,900	91,400	77,600	87,200	29,900	27,000
January-December	951,000	1,250,000	951,000	1,250,000	29,900	27,000
2012:	= -					
January	79,400	112,000	79,300	115,000	30,000	24,000
February	79,400	108,000	79,900	110,000	29,500	22,100
March	81,500	117,000	80,800	112,000	30,200	26,900
April	78,800	103,000	78,600	108,000	30,400	21,000
May	80,000	112,000	80,700	111,000	29,600	21,900
June	79,200	110,000	79,600	109,000	29,200	22,600
July	80,300	104,000	79,000	105,000	30,500	21,700
August	81,000	116,000	80,000	118,000	31,400	19,600
September	80,400	107,000	80,100	102,000	31,700	24,700
October	78,300 ^r	105,000	78,500 ^r	111,000	31,500 r	18,900
November	76,200 ^r	97,300 ^r	77,500 ^r	98,300 ^r	30,200 r	18,000 r
December	77,400	87,300	76,500	77,400	31,100	27,900
January-December	952,000	1,280,000	951,000	1,280,000	31,100	27,900

^pPreliminary. ^rRevised.

 $\label{eq:table 7} \textbf{TABLE 7}$ CONSUMPTION OF REFINED COPPER 1

(Metric tons)

	Brass	Wire-rod	Other	
Period and item	mills	mills	plants ²	Total
2011: ^p			•	
December	34,200	89,600	4,800	129,000
January-December	430,000	1,270,000	57,600	1,750,000
2012:				
January	35,800	111,000	4,800	152,000
February	35,600	106,000	4,800	146,000
March	36,100	117,000	4,800	158,000
April	36,200	102,000	4,800	143,000
May	34,900	113,000	4,800	153,000
June	36,200	110,000	4,800	151,000
July	34,600	104,000	4,800	143,000
August	36,500	116,000	4,800	157,000
September	35,000	108,000	4,800	147,000
October	34,800	104,000	4,800	144,000
November	34,200	97,700 ^r	4,800	137,000 ^r
December:	_			
Cathodes	26,600	86,300	1,470	114,000
Wire bars			W	W
Ingots and ingot bars	1,240		1,440	2,680
Cakes and slabs	W		W	W
Billets and other	6,690		1,900	9,100
Total	34,600	86,300	4,800	126,000
January-December	424,000	1,270,000	57,600	1,760,000

Preliminary. Revised. W Withheld to avoid disclosing company proprietary data; included with "Billets and other." -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Monthly and 2011 cumulative consumption data by ingot makers, chemical plants, foundries, and miscellaneous manufacturers is estimated based on 2010 annual data.

 $\label{eq:table 8} \textbf{U.S.} \ \textbf{APPARENT CONSUMPTION OF COPPER}^1$

(Metric tons)

Period	Refined copper production	Copper in old scrap ²	Refined general imports ³	Refined exports ³	Stock change during period	Apparent consumption
2011: ^p						
December	93,800	10,900	48,800	4,690	22,300	126,000
January-December	992,000	131,000	649,000	40,400	25,100	1,710,000
2012:						
January	85,400	10,900	37,500	9,610	(16,000)	140,000
February	79,000	11,000	50,400	18,300	(35,200)	157,000
March	75,500	10,900	46,800	26,000	(48,300)	155,000
April	71,500 ^r	10,900	51,300	37,900	(41,500)	137,000
May	75,300 ^r	10,900	52,400	33,000	(32,900)	139,000 ^r
June	65,300 ^r	12,800	56,900	10,200	(25,200)	150,000
July	79,800	12,600	53,400	4,940	(10,200)	151,000
August	85,200 ^r	12,500	49,500	5,700	(7,040)	148,000
September	79,300 ^r	12,000	46,200	4,280	(4,590)	138,000
October	89,600 ^r	13,800 ^r	52,600	3,160	6,660 r	146,000
November	88,900 ^r	13,800 ^r	64,700	3,320	9,250 r	155,000
December	87,300	13,600	66,100	2,510	32,400	132,000
January-December	962,000	146,000	628,000	159,000	(173,000)	1,750,000

^pPreliminary. ^rRevised.

 ${\bf TABLE~9}$ CONSUMPTION OF PURCHASED COPPER-BASE SCRAP 1

(Metric tons, gross weight)

	Sme	lters			Brass	s and			
	and ref	ineries	Ingot n	nakers ²	wire-ro	d mills ³	Foundri	es, etc. ²	Total scrap
Period	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	used
2011: ^p									
December	1,250	1,460	2,880	6,440	56,800	1,540	4,020	1,490	75,900
January-December	19,700	18,700	34,500	77,200	689,000	18,200	48,200	17,900	924,000
2012:	=								
January	1,600	1,560	2,330	6,980	58,000	1,570	4,020	1,490	77,600
February	1,850	1,610	2,330	6,980	59,300	1,560	4,020	1,490	79,100
March	1,520	1,530	2,330	6,980	60,900	1,530	4,020	1,490	80,300
April	1,510	1,530	2,330	6,980	58,300	1,530	4,020	1,490	77,700
May	1,500	1,530	2,330	6,980	58,000	1,600	4,020	1,490	77,400
June	1,570	1,550	2,330	6,980	55,100	3,470	4,020	1,490	76,500
July	1,390	1,500	2,330	6,980	54,700 r	3,280	4,020	1,490	75,700 ^r
August	1,360	1,490	2,330	6,980	55,400 r	3,240	4,020	1,490	76,300 ^r
September	1,610	1,560	2,330	6,980	55,100 ^r	2,720	4,020	1,490	75,900 ^r
October	1,940	2,690 r	2,330	6,980	56,000 r	3,170	4,020	1,490	78,600 ^r
November	1,530	2,590 r	2,330	6,980	55,200	3,260	4,020	1,490	77,400 ^r
December	1,500	2,630	2,330	6,980	54,200	3,110	4,020	1,490	76,300
January-December	18,900	21,800	27,900	83,800	680,000	30,000	48,200	17,900	929,000

^pPreliminary. ^rRevised.

 $^{^{1}\}mathrm{Data}$ are rounded to no more than three significant digits; may not add to totals shown.

²Includes reported monthly production of copper from old scrap of copper-base, an estimate for annual reporters, and a monthly average of copper from non-copper-base materials based on 2010 data.

³Source: U.S. Census Bureau.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Monthly data estimated from 2010 annual data.

³Consumption at brass and wire-rod mills assumed equal to receipts.

$\label{eq:table 10} \text{COPPER STOCKS AT END OF PERIOD}^1$

(Metric tons)

		Refined copper						
	Crude		Wire-rod					Total
Period	copper ²	Refineries ³	$mills^3$	Brass mills ³	Other ⁴	Comex	LME^5	refined
2011: ^p								
December	13,000	8,360	24,000	6,850	4,380	79,800	286,000	409,000
2012:								
January	10,900	8,020	26,400	7,210	4,380	80,800	266,000	393,000
February	14,200	4,370	26,900	7,160	4,380	83,100	232,000	358,000
March	16,500	3,410	19,500	6,790	4,380	78,500	197,000	309,000
April	19,200	4,370	14,200	6,450	4,380	69,000	170,000	268,000
May	15,000	4,740	21,700	6,410	4,380	54,200	144,000	235,000
June	12,600	1,770	17,300	6,580	4,380	48,400	131,000	210,000
July	12,300	4,160	18,900	7,220	4,380	43,700	121,000	200,000
August	12,500	2,220	22,400	6,570	4,380	46,100	111,000	193,000
September	16,700	3,900	16,100	6,120	4,380	45,700	111,000	187,000
October	19,700	4,990 ^r	27,100	6,020	4,380	51,300	100,000	194,000 ^r
November	18,600	7,760 ^r	28,100 r	6,300	4,380	58,400	98,400	203,000 r
December	12,300	12,900	28,100	6,530	4,380	64,100	120,000	236,000

^pPreliminary. ^rRevised.

TABLE 11 AVERAGE PRICE OF COPPER IN THE UNITED STATES AND ON THE LONDON METAL EXCHANGE

(Cents per pound)

	U.S. producers	Comex	LME	
	delivered price	first	cash price	
Period	cathode ¹	position ²	Grade A	
2011:		-		
December	349.033	343.207	343.240	
Year	405.854	400.050	399.790	
2012:				
January	372.691	366.865	364.824	
February	390.409	384.583	382.016	
March	389.774	383.948	383.582	
April	377.744	371.918	374.616	
May	362.860	357.034	359.212	
June	340.586	334.760	336.555	
July	349.728	343.902	344.217	
August	347.628	341.802	339.827	
September	377.692	371.866	365.959	
October	373.819	367.993	366.006	
November	356.186	350.360	348.989	
December	368.189	362.363	361.154	
January-December	367.276	361.450	360.580	

¹Listed as "U.S. producer cathode."

Source: Platts Metals Week.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Copper content of blister and anode.

³Stocks of refined copper as reported; no estimates are made for nonrespondents.

⁴Monthly estimates based on reported and 2010 annual data, comprising stocks at ingot makers, chemical plants, foundries, and miscellaneous manufacturers.

⁵London Metal Exchange Ltd., U.S. warehouses.

²Listed as "Comex high grade first position."

TABLE 12 NEW YORK AVERAGE BUYING PRICES FOR COPPER SCRAP

(Cents per pound)

			Dealers ((New York)
	Brass mills	Refiners	No. 2	Red brass turnings and
Month	No. 1 scrap	No. 2 scrap	Scrap	borings
2011:				
December	335.16	308.16	268.42	185.00
Year	389.12	350.72	301.67	188.28
2012:	- <u>-</u>			
January	357.75	330.55	277.50	189.25
February	374.00	343.30	302.75	200.00
March	375.55	340.45	307.50	200.00
April	364.25	328.25	298.93	200.00
May	350.36	315.05	295.00	197.05
June	328.86	298.38	274.64	190.00
July	340.29	310.00	277.50	190.00
August	338.48	307.09	277.50	190.00
September	365.42	333.76	290.39	195.26
October	357.89	325.41	297.50	200.00
November	341.40	310.03	285.25	195.75
December	356.06	325.89	294.44	196.94
January-December	354.19	322.35	289.91	195.35

Source: American Metal Market.

 ${\it TABLE~13}$ U.S. IMPORTS FOR CONSUMPTION OF COPPER (UNMANUFACTURED), BY CLASS 1

(Metric tons, copper content)

	Ore and concentrate				Matte, ash, and precipitates			Blister and anodes			Refined		
		20	12		2012		2012				20	12	
Country or				January–		January_				J			
territory	2011	December	December	2011	December	December	2011	December	December	2011	December	December	
Belgium			143	200		170				1		384	
Canada	8,430	1	186	239	1	224	2	1	12	138,000	11,800	115,000	
Chile										370,000	47,200	402,000	
China				79		180	(2)		1	203	13	67	
Finland							310		260	(2)	107	137	
Germany			15	54			(2)			3,020	125	2,230	
Japan				(2)		2	16	4	25	5,540	327	4,700	
Mexico	6,710		5,940		53	369				97,100	6,090	88,200	
Netherlands				193	6	338	1	1	3	(2)		6	
Peru										55,200	475	16,400	
Other			10	218	36	218	142	25	253	884	15	789	
Total	15,100	1	6,290	983	96	1,500	471	31	554	670,000	66,100	630,000	

⁻⁻ Zero.

Source: U.S. Census Bureau.

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¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Less than ½ unit.

 ${\it TABLE~14} \\ {\it U.S.~EXPORTS~OF~COPPER~(UNMANUFACTURED),~BY~CLASS}^1$

(Metric tons, copper content)

	Ore	and concentr	ate	Matte, ash, and precipitates			В	lister and anoc	les	Refined		
		2012			2012			2012			2012	
Country or			January-			January-			January-			January-
territory	2011	December	December	2011	December	December	2011	December	December	2011	December	December
Canada	14,300	1,600	13,300	35,900	2,590	34,900	4,440	347	3,100	3,980	15	757
China	97,000	12,100	118,000	1,190		460	616		149	4,460	272	100,000
Germany	110	8	104	402		284	911	20	409	81	52	84
Hong Kong	17					4	1,150	138	1,510	19	1	80
Italy							176	20	189	1,480		47
Japan	22,000	4,210	14,100	172			862	40	863	11	324	1,410
Korea, Republic of			14,400				761	86	1,090	104	17	105
Mexico	114,000	10,800	120,000				255	24	164	27,800	1,770	54,000
Singapore						15	431		62			3
Spain	6		(2)				228		110	1,040		209
Sweden							2		12	384		638
Switzerland							21		45	3		23
Taiwan	1		4				799	17	3,750	7		4
Other	4,550	56	21,300	609		212	3,610	53	2,450	1,050	54	1,000
Total	252,000	28,800	301,000	38,300	2,590	35,800	14,300	745	13,900	40,400	2,510	159,000

⁻⁻ Zero.

Source: U.S. Census Bureau.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Less than ½ unit.

 $\label{eq:table 15} \text{U.S. COPPER SCRAP IMPORTS}^1$

(Metric tons, gross weight)

		Unalloyed	Alloyed				
		20	12		2012		
Country or			January-			January–	
territory	2011	December	December	2011	December	December	
Canada	14,600	1,090	14,300	34,800	2,500	32,600	
Chile	39		42	403		192	
Costa Rica	834	66	582	2,300	212	1,750	
Guatemala	666	41	558	1,960	257	2,520	
Honduras	47		53	1,060	85	1,100	
Jamaica	95			325			
Japan	29		20	33	(2)	(2)	
Mexico	8,390	541	9,040	28,400	1,730	26,500	
Nicaragua	1,080	64	921	968	27	660	
Other	4,620	331	4,910	9,210	643	8,800	
Total	30,400	2,130	30,500	79,400	5,460	74,100	

⁻⁻ Zero.

Source: U.S. Census Bureau.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Less than ½ unit.

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TABLE 16
U.S. COPPER SCRAP EXPORTS¹

(Metric tons, gross weight)

				Unalloyed	Alloyed							
		2012							2012			
		No. 1		No. 2		Other			Segregated		Unsegregated	
Country or			January-		January-		January-			January-		January-
territory	2011	December	December	December	December	December	December	2011	December	December	December	December
Belgium	14,400	2,750	18,100	424	3,980	241	1,860	14,300	745	2,930	1,170	12,700
Canada	20,400					1,450	20,000	38,000	110	1,650	2,080	39,800
China	383,000	4,240	52,700	14,500	175,000	6,840	113,000	557,000	19,800	239,000	24,600	300,000
Germany	8,470	815	14,500	60	2,090	951	5,610	13,900	37	1,510	904	11,900
Hong Kong	5,970	220	917	160	2,630	73	1,280	29,000	1,110	10,400	3,680	33,500
India	1,690		177	134	1,010		71	12,200	719	7,990	20	899
Japan	8,810	107	2,390	37	1,730	138	5,350	7,480	460	4,750	649	4,020
Korea, Republic of	19,100	804	4,870	708	7,310	414	4,220	17,100	851	8,170	195	1,570
Mexico	3,150	18	522		72		3,370	7,000	102	717	283	4,630
Spain	5,170	39	1,640	233	2,310		314	11,600	113	1,040	653	7,030
Taiwan	4,170	61	750	208	2,030		215	3,400	283	1,540	19	1,670
Thailand	491		299			19	118	2,040		343	2	40
Other	25,200	1,380	16,700	542	7,480	62	4,900	25,400	263	4,720	666	13,100
Total	501,000	10,400	113,000	17,000	206,000	10,200	160,000	739,000	24,600	285,000	34,900	431,000

-- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.