

# Mineral Industry Surveys

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## COPPER IN OCTOBER 2013

Average daily mine production of recoverable copper decreased by 3% in October from that in September, but year-to-date mine production through October was 8% higher than that in the same period of 2012. The U.S. average daily smelter and electrolytic refinery production increased by 5% and 18%, respectively, compared with production in September. Year-to-date smelter and electrolytic refinery production through October were 11% and 6% higher, respectively, than in the same period of 2012. Total refined copper stocks at the end of October were 7% less than those at the end of September but 33% greater than those at the end of October 2012.

In October, Capstone Mining Corp. announced that it had completed the acquisition of the Pinto Valley Mine in Arizona from BHP Billiton Ltd. for \$650 million. Concentrate production was restarted by BHP Billiton at the Pinto Valley Mine in December 2012, and Capstone projected that production could reach 59,000 to 68,000 metric tons per year (t/yr) of copper in concentrate (Capstone Mining Corp., 2013).

Newmont Mining Corp. began commercial production at its Phoenix Copper Leach project in Nevada. The leaching and solvent extraction/electrowining facility processed material from the Phoenix Mine that was previously classified as waste. In 2013, Newmont expected to produce 1,800 to 2,270 metric tons of copper at the Phoenix Copper Leach facility and expected to produce about 9,000 t/yr during the first 5 full years of operation. The leaching operation was expected to produce copper for 20 years (Newmont Mining Corp., 2013).

### References Cited

- Capstone Mining Corp., 2013, Capstone Mining completes acquisition of Pinto Valley mining operations: Vancouver, British Columbia, Canada, Capstone Mining Corp. news release, October 11. (Accessed October 17, 2013, at <http://capstonemining.com/s/news.asp?ReportID=607511>.)
- Newmont Mining Corp., 2013, Newmont announces commercial production at Akyem; begins commercial production of copper in Nevada: Denver, CO, Newmont Mining Corp., news release, October 30. (Accessed October 31, 2013, at <http://newmont.q4web.com/Press-Releases/News-Release/2013/Newmont-Announces-Commercial-Production-at-Akyem-Begins-Commercial-Production-of-Copper-in-Nevada/default.aspx>.)

TABLE 1  
SALIENT STATISTICS OF THE COPPER INDUSTRY IN THE UNITED STATES<sup>1</sup>

(Metric tons, unless otherwise specified)

	Source table <sup>2</sup>	2013				
		2012 <sup>p</sup>	August	September	October	January– October
<b>Production:</b>						
<b>Primary:</b>						
Mine, recoverable	(2)	1,170,000	104,000	106,000	106,000	1,020,000
<b>Refinery:</b>						
Electrolytic, domestic and foreign	(4)	491,000	42,800	40,600	49,400	418,000
Electrowon	(4)	471,000	38,800	36,800	41,500	391,000
<b>Total</b>	(4)	<b>962,000</b>	<b>81,500</b>	<b>77,400</b>	<b>90,800</b>	<b>810,000</b>
<b>Secondary recoverable copper:</b>						
Refineries	(5)	39,500	3,800 <sup>r</sup>	3,780 <sup>r</sup>	3,990	38,500
Ingot makers <sup>3</sup>	(5)	76,400	6,360	6,360	6,360	63,600
Brass and wire-rod mills	(5)	572,000	49,400 <sup>r</sup>	46,800 <sup>r</sup>	46,200	476,000
Foundries, etc. <sup>3</sup>	(5)	57,000	4,750	4,750	4,750	47,500
Smelter, total	(3)	485,000	46,800	49,400	53,600	439,000
<b>Consumption:</b>						
Apparent	(8)	1,770,000	146,000	136,000 <sup>r</sup>	150,000	1,510,000
Refined (reported)	(7)	1,760,000	157,000	152,000	160,000	1,550,000
Purchased copper-base scrap	(9)	946,000	81,100 <sup>r</sup>	78,300 <sup>r</sup>	77,700	793,000
<b>Stocks at end of period:</b>						
Total refined	(10)	236,000	291,000	276,000	257,000	257,000
Blister, etc.	(10)	12,300	10,700	11,200	14,200	14,200
Prices, U.S. producer cathode (cents per pound) <sup>4</sup>	(11)	367.276	334.008	333.154	334.059	341.182
<b>Imports:<sup>5</sup></b>						
Ore and concentrate <sup>6</sup>	(13)	6,290	--	--	3,110	3,180
Refined	(13)	630,000	50,200	42,800	40,300	651,000
<b>Exports:<sup>5</sup></b>						
Ore and concentrate <sup>6</sup>	(14)	301,000	24,800	39,900	25,500	298,000
Refined	(14)	159,000	17,100	14,900	10,300	80,500

<sup>p</sup>Preliminary. <sup>r</sup>Revised. -- Zero.

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

<sup>2</sup>Numbers in parentheses refer to the tables where these data are located.

<sup>3</sup>Monthly data estimated based on 2011 monthly average.

<sup>4</sup>Source: Platts Metals Week.

<sup>5</sup>Source: U.S. Census Bureau.

<sup>6</sup>Copper content.

TABLE 2  
MINE PRODUCTION OF RECOVERABLE COPPER IN THE UNITED STATES<sup>1</sup>

(Metric tons)

Period	Recoverable copper			Contained copper		
	Arizona	Others <sup>2</sup>	Total	Electrowon	Concentrates <sup>3</sup>	Total
2012: <sup>p</sup>						
October	64,000	40,300 <sup>r</sup>	104,000 <sup>r</sup>	43,000	63,600 <sup>r</sup>	107,000
November	67,500	43,100 <sup>r</sup>	111,000	41,200	72,100 <sup>r</sup>	113,000 <sup>r</sup>
December	64,500	43,300 <sup>r</sup>	108,000	38,400	72,000 <sup>r</sup>	110,000 <sup>r</sup>
January–December	763,000	404,000	1,170,000	471,000	723,000 <sup>r</sup>	1,190,000 <sup>r</sup>
2013:						
January	65,700 <sup>r</sup>	44,100	110,000 <sup>r</sup>	39,300 <sup>r</sup>	73,200 <sup>r</sup>	113,000
February	57,700	32,100	89,800	34,500	57,200	91,800
March	66,500	35,700	102,000	38,800	65,900	105,000
April	64,100	28,000	92,200	39,100	55,300	94,400
May	70,700 <sup>r</sup>	33,900	105,000 <sup>r</sup>	42,300	64,800 <sup>r</sup>	107,000
June	64,600	37,900	103,000	40,400	64,600	105,000
July	67,600 <sup>r</sup>	38,700	106,000 <sup>r</sup>	39,800	69,300 <sup>r</sup>	109,000 <sup>r</sup>
August	65,100	38,400	104,000	38,800	67,100	106,000
September	66,600	39,500	106,000	36,700 <sup>r</sup>	72,000 <sup>r</sup>	109,000
October	65,500	40,300	106,000	41,500	66,900	108,000
January–October	654,000	369,000	1,020,000	391,000	656,000	1,050,000

<sup>p</sup>Preliminary. <sup>r</sup>Revised.

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

<sup>2</sup>Includes production from Alaska, Idaho, Missouri, Montana, Nevada, New Mexico, and Utah.

<sup>3</sup>Includes copper content of precipitates and other metal concentrates.

TABLE 3  
COPPER PRODUCED AT SMELTERS IN  
THE UNITED STATES<sup>1,2</sup>

(Metric tons, copper content)

Period	Anode production
2012: <sup>p</sup>	
October	53,800
November	47,200
December	40,800
January–December	485,000
2013:	
January	39,000
February	46,600
March	44,000
April	44,100
May	45,000
June	25,000
July	45,600
August	46,800
September	49,400
October	53,600
January–October	439,000

<sup>p</sup>Preliminary.

<sup>1</sup>Includes blister and copper anode from primary or secondary sources.

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

TABLE 4  
PRODUCTION OF REFINED COPPER, BY SOURCE AND METHOD OF RECOVERY<sup>1</sup>

(Metric tons)

Period	Primary materials			Scrap	Total refined
	Electrolytically refined <sup>2</sup>	Electrowon	Total		
2012: <sup>P</sup>					
October	46,500	43,000	89,600	4,510	94,100
November	47,700	41,200	88,900	4,010	92,900
December	48,900	38,400	87,300	4,010	91,300
January–December	491,000	471,000	962,000	39,500	1,000,000
2013:					
January	46,100	39,400	85,500	3,870	89,400
February	38,000	34,500	72,600	3,660	76,200
March	43,200	38,800	82,000	3,670 <sup>r</sup>	85,700 <sup>r</sup>
April	45,500	39,100	84,600	3,880 <sup>r</sup>	88,500 <sup>r</sup>
May	36,600	42,300	78,900	4,020 <sup>r</sup>	82,900 <sup>r</sup>
June	35,900	40,400	76,300	4,030 <sup>r</sup>	80,300 <sup>r</sup>
July	40,200	39,800	80,000	3,800 <sup>r</sup>	83,800 <sup>r</sup>
August	42,800	38,800	81,500	3,800 <sup>r</sup>	85,300 <sup>r</sup>
September	40,600	36,800	77,400	3,780 <sup>r</sup>	81,200 <sup>r</sup>
October	49,400	41,500	90,800	3,990	94,800
January–October	418,000	391,000	810,000	38,500	848,000

<sup>P</sup>Preliminary. <sup>r</sup>Revised.

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

<sup>2</sup>From domestic and foreign source materials.

TABLE 5  
COPPER RECOVERABLE IN UNALLOYED AND ALLOYED FORM FROM PURCHASED COPPER-BASE SCRAP<sup>1</sup>

(Metric tons, copper content)

Period	Refineries <sup>2</sup>		Ingot makers <sup>3</sup>		Brass and wire-rod mills		Foundries, etc. <sup>3</sup>		Total <sup>4</sup>
	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	
2012: <sup>P</sup>									
October	1,680	2,830	981	5,380	44,700	3,020	2,790	1,970	63,400
November	1,300	2,710	981	5,380	44,100	3,140	2,790	1,970	62,400
December	1,420	2,590	981	5,380	42,700	2,500	2,790	1,970	60,400
January–December	17,900	21,600	11,800	64,600	544,000	28,300	33,400	23,600	745,000
2013:									
January	1,490	2,380	981	5,380	44,800 <sup>r</sup>	3,260 <sup>r</sup>	2,790	1,970	63,100
February	1,320	2,330	981	5,380	44,300	2,870	2,790	1,970	61,900
March	1,330	2,340 <sup>r</sup>	981	5,380	44,100 <sup>r</sup>	2,860 <sup>r</sup>	2,790	1,970	61,700 <sup>r</sup>
April	1,500	2,380 <sup>r</sup>	981	5,380	45,500 <sup>r</sup>	2,990 <sup>r</sup>	2,790	1,970	63,400 <sup>r</sup>
May	1,620	2,410 <sup>r</sup>	981	5,380	45,500 <sup>r</sup>	3,040 <sup>r</sup>	2,790	1,970	63,600 <sup>r</sup>
June	1,620	2,410 <sup>r</sup>	981	5,380	44,300 <sup>r</sup>	2,930 <sup>r</sup>	2,790	1,970	62,400 <sup>r</sup>
July	1,440	2,360 <sup>r</sup>	981	5,380	44,200 <sup>r</sup>	2,760 <sup>r</sup>	2,790	1,970	61,900 <sup>r</sup>
August	1,440	2,360 <sup>r</sup>	981	5,380	46,400 <sup>r</sup>	3,040 <sup>r</sup>	2,790	1,970	64,300 <sup>r</sup>
September	1,420	2,360 <sup>r</sup>	981	5,380	43,900 <sup>r</sup>	2,980	2,790	1,970	61,700 <sup>r</sup>
October	1,590	2,400	981	5,380	43,000	3,220	2,790	1,970	61,300
January–October	14,800	23,700	9,810	53,800	446,000	29,900	27,900	19,700	625,000

<sup>P</sup>Preliminary. <sup>r</sup>Revised.

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

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

<sup>3</sup>Monthly data and 2012 cumulative data estimated based on 2011 annual data.

<sup>4</sup>Does not include an estimate, based on reported 2011 data, of 2,640 tons per month from new scrap and 2,416 tons per month from old scrap, of copper recovered from scrap other than copper-base.

TABLE 6  
PRODUCTION, SHIPMENTS, AND STOCKS OF BRASS AND WIRE-ROD SEMIFABRICATES<sup>1</sup>

(Metric tons, gross weight)

Period	Production		Shipments		Stocks, end of period	
	Brass mills	Wire-rod mills	Brass mills	Wire-rod mills	Brass mills	Wire-rod mills
2012: <sup>p</sup>						
October	78,300	105,000	78,500	111,000	31,500	18,900
November	76,200	97,300	77,500	98,300	30,200	18,000
December	78,300	87,300	77,100	77,400	31,400	27,900
January–December	953,000	1,280,000	951,000	1,280,000	31,400	27,900
2013:						
January	78,400	105,000	79,500	115,000	30,400	17,700
February	77,900 <sup>r</sup>	111,000	78,700 <sup>r</sup>	108,000	29,600	21,000
March	80,100 <sup>r</sup>	114,000	80,800 <sup>r</sup>	112,000	28,900 <sup>r</sup>	22,700
April	82,600 <sup>r</sup>	112,000	82,200 <sup>r</sup>	115,000	29,400	19,600
May	81,300 <sup>r</sup>	115,000	81,400 <sup>r</sup>	115,000	29,300 <sup>r</sup>	20,100
June	80,300 <sup>r</sup>	110,000	79,800 <sup>r</sup>	106,000	29,800 <sup>r</sup>	24,400
July	80,000 <sup>r</sup>	109,000	79,300 <sup>r</sup>	113,000	30,500 <sup>r</sup>	20,800
August	80,800 <sup>r</sup>	113,000	80,100	115,000	31,200	19,500
September	78,900 <sup>r</sup>	116,000 <sup>r</sup>	80,000 <sup>r</sup>	116,000 <sup>r</sup>	30,100	22,600 <sup>r</sup>
October	74,400	116,000	73,500	116,000	27,700	19,400
January–October	795,000	1,120,000	795,000	1,130,000	27,700	19,400

<sup>p</sup>Preliminary. <sup>r</sup>Revised.

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

TABLE 7  
CONSUMPTION OF REFINED COPPER<sup>1</sup>

(Metric tons)

Period and item	Brass mills	Wire-rod mills	Other plants <sup>2</sup>	Total
2012: <sup>p</sup>				
October	34,800	104,000	5,140	144,000
November	34,200	97,700	5,140	137,000
December	34,600	86,800	5,140	127,000
January–December	424,000	1,280,000	61,600	1,760,000
2013:				
January	36,300	104,000	5,140	146,000
February	37,600	111,000	5,140	154,000
March	38,100	114,000	5,140	157,000
April	38,800 <sup>r</sup>	112,000	5,140	156,000 <sup>r</sup>
May	39,300 <sup>r</sup>	115,000	5,140	159,000 <sup>r</sup>
June	41,800 <sup>r</sup>	110,000	5,140	157,000 <sup>r</sup>
July	36,000 <sup>r</sup>	110,000	5,140	151,000
August	39,300	113,000	5,140	157,000
September	37,000	110,000	5,140	152,000
October:				
Cathodes	29,600	116,000	1,930	148,000
Wire bars	--	--	W	W
Ingots and ingot bars	1,240	--	1,380	2,620
Cakes and slabs	W	--	W	W
Billets and other	6,730	508	1,830	9,070
Total	37,600	117,000	5,140	160,000
January–October	382,000	1,120,000	51,400	1,550,000

<sup>p</sup>Preliminary. <sup>r</sup>Revised. W Withheld to avoid disclosing company proprietary data; included with "Billets and other." -- Zero.

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

<sup>2</sup>Monthly and 2012 cumulative consumption data by ingot makers, chemical plants, foundries, and miscellaneous manufacturers is estimated based on 2011 annual data.

TABLE 8  
U.S. APPARENT CONSUMPTION OF COPPER<sup>1</sup>

(Metric tons)

Period	Refined copper production	Copper in old scrap <sup>2</sup>	Refined general imports <sup>3</sup>	Refined exports <sup>3</sup>	Stock change during period	Apparent consumption
2012: <sup>P</sup>						
October	89,600	15,600	52,600	3,160	6,660	148,000
November	88,900	15,600	64,700	3,320	9,250	157,000
December	87,300	14,900	66,100	2,510	32,400	133,000
January–December	962,000	167,000	628,000	159,000	(173,000)	1,770,000
2013:						
January	85,500	15,400	86,800	3,540	25,200	159,000
February	72,600	15,000	64,600	5,300	14,700	132,000
March	82,000	15,800	87,200	5,110	32,300	148,000
April	84,600	15,900	55,100	5,380	17,500	133,000
May	78,900	16,000	83,600	5,740	(9,400)	182,000
June	76,300	16,000	67,100	4,890	(2,760)	157,000
July	80,000	15,900	69,700	8,270	(7,460)	165,000
August	81,500	16,300	50,200	17,100	(14,800)	146,000
September	77,400	16,000	42,800	14,900	(15,200)	136,000
October	90,800	15,400	40,300	10,300	(18,600)	155,000
January–October	810,000	158,000	647,000	80,500	21,600	1,510,000

<sup>P</sup>Preliminary.

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

<sup>2</sup>Includes 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 2011 data.

<sup>3</sup>Source: U.S. Census Bureau.

TABLE 9  
CONSUMPTION OF PURCHASED COPPER-BASE SCRAP<sup>1</sup>

(Metric tons, gross weight)

Period	Smelters and refineries		Ingot makers <sup>2</sup>		Brass and wire-rod mills <sup>3</sup>		Foundries, etc. <sup>2</sup>		Total scrap used
	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	
2012: <sup>P</sup>									
October	1,940	2,690	2,400	7,490	56,000	3,170	4,330	2,100	80,100
November	1,530	2,590	2,400	7,490	55,200	3,260	4,330	2,100	78,900
December	1,500	2,630	2,400	7,490	53,700	2,560	4,330	2,100	76,700
January–December	18,900	21,800	28,800	89,900	680,000	29,500	52,000	25,200	946,000
2013:									
January	1,540	2,640	2,400	7,490	56,700	3,350	4,300 <sup>r</sup>	2,100	80,500
February	1,360	2,600	2,400	7,490	56,000	2,940	4,300 <sup>r</sup>	2,100	79,100 <sup>r</sup>
March	1,370	2,600	2,400	7,490	55,200 <sup>r</sup>	2,920 <sup>r</sup>	4,300 <sup>r</sup>	2,100	78,400 <sup>r</sup>
April	1,550	2,640	2,400	7,490	56,600 <sup>r</sup>	3,060 <sup>r</sup>	4,300 <sup>r</sup>	2,100	80,200 <sup>r</sup>
May	1,700	2,680	2,400	7,490	56,500 <sup>r</sup>	3,120 <sup>r</sup>	4,300 <sup>r</sup>	2,100	80,300 <sup>r</sup>
June	1,670	2,680	2,400	7,490	55,500 <sup>r</sup>	3,030 <sup>r</sup>	4,300 <sup>r</sup>	2,100	79,200 <sup>r</sup>
July	1,480	2,630	2,400	7,490	55,000 <sup>r</sup>	2,820 <sup>r</sup>	4,300 <sup>r</sup>	2,100	78,200 <sup>r</sup>
August	1,480	2,630	2,400	7,490	57,500 <sup>r</sup>	3,190 <sup>r</sup>	4,300 <sup>r</sup>	2,100	81,100 <sup>r</sup>
September	1,470	2,630	2,400	7,490	54,900 <sup>r</sup>	3,060	4,300 <sup>r</sup>	2,100	78,300 <sup>r</sup>
October	1,710	2,670	2,400	7,490	53,700	3,320	4,300	2,100	77,700
January–October	15,300	26,400	24,000	74,900	558,000	30,800	43,000	21,000	793,000

<sup>P</sup>Preliminary. <sup>r</sup>Revised.

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

<sup>2</sup>Monthly data estimated from 2011 annual data.

<sup>3</sup>Consumption at brass and wire-rod mills assumed equal to receipts.

TABLE 10  
COPPER STOCKS AT END OF PERIOD<sup>1</sup>

(Metric tons)

Period	Crude copper <sup>2</sup>	Refined copper					Total refined	
		Refineries <sup>3</sup>	Wire-rod mills <sup>3</sup>	Brass mills <sup>3</sup>	Other <sup>4</sup>	Comex		LME <sup>5</sup>
2012: <sup>P</sup>								
October	19,700	4,990	27,100	6,020	4,330	51,300	100,000	194,000
November	18,600	7,760	28,100	6,300	4,330	58,400	98,400	203,000
December	12,300	12,900	28,100	6,540	4,330	64,100	120,000	236,000
2013:								
January	8,620	12,500	31,300	6,370	4,330	67,200	139,000	261,000
February	20,100	12,400	26,300	6,460	4,330	68,100	158,000	276,000
March	17,900	9,350	23,700	6,090	4,330	69,200	195,000	308,000
April	21,800	6,520	26,200	6,280	4,330	77,600	205,000	325,000
May	28,700	5,870	24,400	6,940	4,330	72,400	202,000	316,000
June	11,500	7,150	20,800	7,160	4,330	65,800	208,000	313,000
July	12,800	7,880	14,600	7,840	4,330	58,600	213,000	306,000
August	10,700	8,000	18,100	6,670	4,330	33,100	221,000	291,000
September	11,200	8,780	20,400 <sup>r</sup>	6,830	4,330	28,200	207,000 <sup>r</sup>	276,000
October	14,200	4,260	15,700	5,590	4,330	23,900	204,000	257,000

<sup>P</sup>Preliminary. <sup>r</sup>Revised.

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

<sup>2</sup>Copper content of blister and anode.

<sup>3</sup>Stocks of refined copper as reported; no estimates are made for nonrespondents.

<sup>4</sup>Monthly estimates based on reported and 2011 annual data, comprising stocks at ingot makers, chemical plants, foundries, and miscellaneous manufacturers.

<sup>5</sup>London Metal Exchange Ltd., U.S. warehouses.

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

(Cents per pound)

Period	U.S. producers delivered price cathode <sup>1</sup>	Comex first position <sup>2</sup>	LME cash price Grade A
2012:			
October	373.819	367.993	366.006
November	356.186	350.360	348.989
December	368.189	362.363	361.154
Year	367.276	361.450	360.580
2013:			
January	372.564	366.738	365.086
February	372.471	366.645	366.049
March	352.474	346.648	347.553
April	333.544	327.718	326.721
May	335.728	329.902	327.884
June	323.771	317.945	317.683
July	320.051	314.225	312.639
August	334.008	328.182	325.764
September	333.154	327.328	324.822
October	334.059	328.233	326.059
January–October	341.182	335.356	334.026

<sup>1</sup>Listed as "U.S. producer cathode."

<sup>2</sup>Listed as "Comex high grade first position."

Source: Platts Metals Week.

TABLE 12  
NEW YORK AVERAGE BUYING PRICES FOR COPPER SCRAP

(Cents per pound)

Month	Brass mills No. 1 scrap	Refiners No. 2 scrap	Dealers (New York)	
			No. 2 Scrap	Red brass turnings and borings
<b>2012:</b>				
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
Year	354.19	322.35	289.91	195.35
<b>2013:</b>				
January	364.00 <sup>r</sup>	336.00 <sup>r</sup>	302.50 <sup>r</sup>	200.00
February	359.05	331.05	301.97	199.74
March	341.29	314.14	291.55	194.76
April	324.64	298.55	267.50	187.50
May <sup>f</sup>	326.68	304.23	260.91	185.14
June	315.60	292.95	269.00	186.10
July	312.64	292.00	255.23	180.00
August	327.14	305.95	260.55	182.68
September	324.68	301.65	265.00	184.25
October	325.83	301.57	274.63	189.00
January–October	332.16	307.81	274.88	188.92

<sup>r</sup>Revised.

Source: American Metal Market.

TABLE 13  
U.S. IMPORTS FOR CONSUMPTION OF COPPER (UNMANUFACTURED), BY CLASS<sup>1</sup>

(Metric tons, copper content)

Country or territory	Ore and concentrate			Matte, ash, and precipitates			Blister and anodes			Refined		
	2013			2013			2013			2013		
	2012	October	January–October	2012	October	January–October	2012	October	January–October	2012	October	January–October
Belgium	143	--	--	170	26	194	--	--	--	384	--	6
Brazil	--	--	--	--	--	--	--	--	--	--	--	4,050
Canada	186	--	58	224	29	183	12	--	2	115,000	13,900	143,000
Chile	--	--	--	--	--	--	--	--	--	402,000	18,900	419,000
China	--	--	13	180	--	--	1	--	--	67	10	60
Finland	--	--	--	--	--	--	260	17	185	137	94	537
Germany	15	--	--	--	--	--	--	--	--	2,230	8	1,450
Japan	--	--	--	2	1	4	25	--	1	4,700	542	4,690
Mexico	5,940	3,110	3,110	369	19	328	--	--	--	88,200	3,570	56,500
Netherlands	--	--	--	338	--	65	3	--	(2)	6	--	(2)
Peru	--	--	--	--	--	--	--	--	511	16,400	1,050	10,900
Other	10	--	3	218	13	153	253	7	93	789	2,230	11,300
Total	6,290	3,110	3,180	1,500	87	927	554	24	792	630,000	40,300	651,000

-- Zero.

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

<sup>2</sup>Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 14  
U.S. EXPORTS OF COPPER (UNMANUFACTURED), BY CLASS<sup>1</sup>

(Metric tons, copper content)

Country or territory	Ore and concentrate			Matte, ash, and precipitates			Blister and anodes			Refined		
	2013			2013			2013			2013		
	2012	October	January– October	2012	October	January– October	2012	October	January– October	2012	October	January– October
Canada	13,300	776	6,840	34,900	3,470	24,300	3,100	288	2,630	757	27	1,110
China	118,000	6,140	81,500	460	38	117	149	42	173	100,000	4,110	34,800
Germany	104	--	4	284	--	62	409	20	531	84	--	64
Hong Kong	--	--	1	4	--	--	1,530	119	1,150	84	2	138
Italy	--	--	--	--	--	--	189	41	203	47	--	--
Japan	14,100	--	14,000	--	--	882	863	40	649	1,410	271	2,580
Korea, Republic of	14,400	7	3,200	--	--	--	1,090	174	859	105	--	--
Mexico	120,000	18,500	187,000	--	--	--	164	10	131	54,000	5,820	40,500
Singapore	--	--	--	15	26	113	62	--	144	3	--	2
Spain	(2)	--	--	--	--	--	110	--	79	209	--	609
Sweden	--	--	--	--	--	--	12	--	1	638	--	37
Switzerland	--	--	--	--	--	--	45	6	50	23	--	7
Taiwan	4	--	4	--	--	--	3,750	57	1,520	4	2	104
Other	21,300	4	5,560	212	23	542	2,430	133	1,630	998	20	564
Total	301,000	25,500	298,000	35,800	3,560	26,000	13,900	930	9,740	159,000	10,300	80,500

-- Zero.

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

<sup>2</sup>Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 15  
U.S. COPPER SCRAP IMPORTS<sup>1</sup>

(Metric tons, gross weight)

Country or territory	Unalloyed			Alloyed		
	2013			2013		
	2012	October	January– October	2012	October	January– October
Canada	14,300	1,130	11,900	32,600	3,820	28,900
Chile	42	4	48	192	--	14
Costa Rica	582	19	141	1,750	238	1,810
Guatemala	558	77	460	2,520	226	1,790
Honduras	53	5	12	1,100	89	968
Japan	20	--	2	(2)	--	6
Mexico	9,040	841	8,090	26,500	3,240	24,800
Nicaragua	921	81	694	660	59	345
Other	4,910	261	2,920	8,800	698	6,370
Total	30,500	2,420	24,200	74,100	8,370	65,000

-- Zero.

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

<sup>2</sup>Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 16  
U.S. COPPER SCRAP EXPORTS<sup>1</sup>

(Metric tons, gross weight)

Country or territory	Unalloyed							Alloyed				
	2012	2013						2012	2013			
		No. 1		No. 2		Other			Segregated		Unsegregated	
		October	January– October	October	January– October	October	January– October		October	January– October	October	January– October
Belgium	23,900	678	10,700	601	3,780	316	1,660	15,700	80	1,960	651	7,440
Canada	20,000	--	--	--	--	1,850	18,200	41,400	248	2,020	2,790	29,800
China	341,000	6,640	51,700	16,400	140,000	8,400	75,400	539,000	23,000	200,000	30,400	239,000
Germany	22,200	1,280	15,900	178	1,260	505	5,260	13,400	233	848	780	6,270
Hong Kong	4,820	35	968	276	1,580	291	3,710	43,900	664	6,380	3,220	36,600
India	1,260	21	234	20	232	--	122	8,880	638	5,060	19	1,610
Japan	9,470	179	904	118	930	19	1,030	8,760	1,490	6,290	385	5,610
Korea, Republic of	16,400	515	4,380	201	2,890	88	1,580	9,750	1,020	7,840	313	1,900
Mexico	3,960	39	1,100	--	221	--	405	5,340	29	482	238	2,800
Spain	4,270	241	2,460	20	739	--	40	8,070	62	195	749	6,660
Taiwan	2,990	108	1,600	128	2,340	--	19	3,200	68	1,960	942	4,150
Thailand	416	121	657	--	--	19	702	383	60	599	41	124
Other	29,000	1,740	14,200	309	3,480	578	2,770	17,800	2,160	10,100	845	8,190
Total	479,000	11,600	105,000	18,300	158,000	12,100	111,000	716,000	29,700	243,000	41,400	350,000

-- Zero.

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

Source: U.S. Census Bureau.