

Mineral Industry Surveys

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COPPER IN JANUARY THROUGH JUNE 2009

U.S. mine production of copper in the first 6 months of 2009 was almost 4% lower than that in the same period in 2008 and 13% lower than production in the second half of 2008, according to data compiled by the U.S. Geological Survey. Following the steep drop in prices during the fourth quarter of 2008, production was cut at several mines, including mines that had begun or resumed mining during the 2007-08 period. Despite lower mine output, smelter production for the first 6 months of 2009 was essentially unchanged from that for the same period in 2008. Smelter maintenance shutdowns reduced production during 2008, and some of the mine cutbacks in 2009 occurred at mines that had exported their concentrates for processing.

Downstream, domestic refined copper production declined by 10% during the first half of 2009 compared with that in the first half of 2008 owing to a 16% decline in electrolytic refined

production. Despite reduced smelter output, electrolytic refined production in the first half of 2008 had been supported by blister/anode imports and a drawdown in anode inventories. Imports of blister/anodes fell to 36,000 metric tons (t) in the first half of 2009 from 69,000 t in the first half of 2008.

Consumption of refined copper, which declined sharply with the onset of the economic crisis during the fourth quarter of 2008, was down by 22% compared with that in the first half of 2008.

Copper prices, which plummeted during the latter part of 2008, began a slow recovery in 2009. The U.S. producers price fell from a monthly average of \$3.49 per pound of copper in August 2008 to \$1.45 per pound in December. By June 2009, the U.S. producers price had risen to \$2.34 per pound. The upward trend continued through yearend, with the producers price averaging \$3.25 per pound in December.

TABLE 1
SALIENT STATISTICS OF THE COPPER INDUSTRY IN THE UNITED STATES¹

(Metric tons, unless otherwise specified)

	Source table ²	2009			
		2008	January	February	March
Production:					
Primary:					
Mine, recoverable	(2)	1,310,000	101,000	93,200	107,000
Refinery:					
Electrolytic:					
Domestic and foreign	(4)	718,000	57,300	51,100	52,600
Electrowon	(4)	508,000	42,500	40,800	38,900
Total	(4)	1,230,000	99,800	91,900	91,500
Secondary recoverable copper:					
Refineries	(5)	53,200	5,390	4,810	4,390
Ingot makers ³	(5)	90,400	7,530	7,530	7,530
Brass and wire-rod mills	(5)	601,000	44,900	46,500	46,300
Foundries, etc. ³	(5)	44,400	3,700	3,700	3,700
Smelter, total	(3)	574,000	43,000	35,500	54,800
Consumption:					
Apparent	(8)	2,030,000 ^r	123,000	142,000	131,000
Refined (reported)	(7)	2,020,000	147,000	145,000	132,000
Purchased copper-base scrap	(9)	991,000	77,100	78,700	78,200
Stocks at end of period:					
Total refined	(10)	XX	258,000	289,000	339,000
Blister, etc.	(10)	XX	24,700	16,000	21,300
Prices, U.S. producer cathode (cents per pound) ⁴	(11)	319.163	153.674	156.465	177.524
Imports:⁵					
Ores and concentrates ⁶	(14)	640	--	58	60
Refined	(14)	724,000	76,400	67,700	80,000
Exports:⁵					
Ores and concentrates ⁶	(15)	301,000	15,500	13,800	16,800
Refined	(15)	36,500	893	1,650	3,770

See footnotes at end of table.

TABLE 1—Continued
 SALIENT STATISTICS OF THE COPPER INDUSTRY IN THE UNITED STATES¹

(Metric tons, unless otherwise specified)

	Source table ²	2009			
		April	May	June	January- June
Production:					
Primary:					
Mine, recoverable	(2)	89,900	104,000	102,000	597,000
Refinery:					
Electrolytic:					
Domestic and foreign	(4)	53,700	49,600	46,700	311,000
Electrowon	(4)	35,600	38,200	39,400	235,000
Total	(4)	89,300	87,800	86,100	546,000
Secondary recoverable copper:					
Refineries	(5)	4,420	4,030	4,200	27,200
Ingot makers ³	(5)	7,530	7,530	7,530	45,200
Brass and wire-rod mills	(5)	46,300	44,300	48,500	277,000
Foundries, etc. ³	(5)	3,700	3,700	3,700	22,200
Smelter, total	(3)	55,300	47,300	39,100	275,000
Consumption:					
Apparent	(8)	151,000	148,000	144,000	838,000
Refined (reported)	(7)	142,000	145,000	142,000	852,000
Purchased copper-base scrap	(9)	78,500	75,300	80,800	469,000
Stocks at end of period:					
Total refined	(10)	339,000	315,000	287,000	XX
Blister, etc.	(10)	25,200	22,500	23,800	XX
Prices, U.S. producer cathode (cents per pound) ⁴	(11)	210.440	216.439	234.165	191.451
Imports: ⁵					
Ores and concentrates ⁶	(14)	--	--	--	118
Refined	(14)	53,900	52,600	35,700	366,000
Exports: ⁵					
Ores and concentrates ⁶	(15)	11,600	16,700	9,920	84,300
Refined	(15)	6,510	21,400	19,200	53,400

¹Revised. XX Not applicable. -- Zero.

²Data are rounded to no more than three significant digits, except prices; may not add to totals shown.

³Numbers in parentheses refer to the significant tables where these data are located.

⁴Monthly data estimated based on 2007 monthly average.

⁵Source: Platts Metals Week.

⁶Source: U.S. Census Bureau.

⁷Copper content.

TABLE 2
MINE PRODUCTION OF RECOVERABLE COPPER IN THE UNITED STATES¹

(Metric tons)

Period	Recoverable copper			Contained copper		Total
	Arizona	Others ²	Total	Electrowon	Concentrates ³	
2008:						
January	63,000	35,600	98,700	41,200	59,400	101,000
February	57,900	36,300	94,200	36,400	59,700	96,100
March	64,700	34,100	98,800	41,800	58,700	101,000
April	68,000	39,700	108,000	39,600	70,300	110,000
May	68,700	39,700	108,000	39,200	71,500	111,000
June	67,900	43,100	111,000	39,200	74,200	113,000
July	71,200	44,200	115,000	43,400	74,500	118,000
August	74,700	40,600	115,000	46,600	70,900	117,000
September	72,900	41,700	115,000	44,300	72,600	117,000
October	78,400	39,800	118,000	48,800	71,800	121,000
November	73,100	39,600	113,000	43,800	70,700	114,000
December	75,700	37,600	113,000	43,500	72,100	116,000
January-December	836,000	472,000	1,310,000	508,000	827,000	1,330,000
2009:						
January	65,800	35,000	101,000	42,500	60,300	103,000
February	57,300	35,800	93,200	40,800	54,000	94,800
March	57,800	49,100	107,000	38,900	69,900	109,000
April	53,700	36,200	89,900	35,600	56,400	92,100
May	58,700	45,600	104,000	38,200	68,200	106,000
June	59,000	43,200	102,000	39,400	64,700	104,000
January-June	352,000	245,000	597,000	235,000	373,000	609,000

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

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

³Includes copper content of precipitates and other metal concentrates.

TABLE 3
COPPER PRODUCED AT SMELTERS IN
THE UNITED STATES, BY SOURCE^{1,2}

(Metric tons, copper content)

Period	Anode production
2008:	
January	47,500
February	46,000
March	39,000
April	50,400
May	49,600
June	44,400
July	45,800
August	39,400
September	44,700
October	55,900
November	52,700
December	58,500
January-December	574,000
2009:	
January	43,000
February	35,500
March	54,800
April	55,300
May	47,300
June	39,100
January-June	275,000

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

²Data 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 RECOVERY¹

(Metric tons)

Period	Primary materials			Scrap	Total refined
	Electrolytically refined ²	Electrowon	Total		
2008:					
January	64,300	41,200	106,000	3,820 ^r	109,000 ^r
February	66,100	36,400	102,000	4,830 ^r	107,000
March	62,300	41,800	104,000	4,110 ^r	108,000
April	58,100	39,600	97,700	4,300 ^r	102,000
May	63,700	39,200	103,000	4,270 ^r	107,000
June	58,200	39,200	97,400	5,100 ^r	102,000
July	50,300	43,400	93,700	4,970 ^r	98,700 ^r
August	55,700	46,600	102,000	4,510 ^r	107,000
September	58,900	44,300	103,000	4,340 ^r	108,000
October	56,900	48,800	106,000	4,670 ^r	110,000
November	58,400	43,800	102,000	4,840 ^r	107,000
December	65,100	43,500	109,000	4,570 ^r	113,000
January-December	718,000	508,000	1,230,000	54,300 ^r	1,280,000
2009:					
January	57,300	42,500	99,800	5,390	105,000
February	51,100	40,800	91,900	4,810	96,700
March	52,600	38,900	91,500	4,390	95,900
April	53,700	35,600	89,300	4,420	93,700
May	49,600	38,200	87,800	4,030	91,800
June	46,700	39,400	86,100	4,200	90,300
January-June	311,000	235,000	546,000	27,200	573,000

^rRevised.

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

²From domestic and foreign source materials.

TABLE 5
COPPER RECOVERABLE IN UNALLOYED AND ALLOYED FORM FROM PURCHASED COPPER-BASE SCRAP¹

(Metric tons, copper content)

Period	Refineries ²		Ingot makers ³		Brass and wire-rod mills		Foundries, etc. ³		Total ⁴
	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	
2008:									
January	1,820 ^r	2,000	1,250	6,280	53,000	1,420	1,900	1,800	69,500 ^r
February	2,780 ^r	2,050	1,250	6,280	50,500	1,420	1,900	1,800	68,000 ^r
March	2,080 ^r	2,030	1,250	6,280	52,700	1,420	1,900	1,800	69,500 ^r
April	2,210 ^r	2,090	1,250	6,280	51,400	1,420	1,900	1,800	68,300 ^r
May	2,160 ^r	2,110	1,250	6,280	51,900	1,420	1,900	1,800	68,800 ^r
June	2,780 ^r	2,320	1,250	6,280	51,000	1,420	1,900	1,800	68,700 ^r
July	2,790 ^r	2,180	1,250	6,280	50,600	1,420	1,900	1,800	68,200 ^r
August	2,160 ^r	2,340	1,250	6,280	49,100	1,420	1,900	1,800	66,200 ^r
September	2,160 ^r	2,180	1,250	6,280	50,400	1,420	1,900	1,800	67,300 ^r
October	2,140 ^r	2,530	1,250	6,280	47,400	1,420	1,900	1,800	64,800 ^r
November	2,320 ^r	2,530	1,250	6,280	38,400	1,420	1,900	1,800	55,900 ^r
December	2,050 ^r	2,530	1,250	6,280	38,000	1,420	1,900	1,800	55,200 ^r
January-December	27,400 ^r	26,900	15,000	75,400	584,000	17,000	22,800	21,600	790,000 ^r
2009:									
January	1,940	3,450	1,250	6,280	43,500	1,420	1,900	1,800	61,600
February	1,930	2,880	1,250	6,280	45,100	1,420	1,900	1,800	62,500
March	1,970	2,420	1,250	6,280	44,900	1,420	1,900	1,800	61,900
April	1,770	2,650	1,250	6,280	44,900	1,420	1,900	1,800	62,000
May	1,860	2,170	1,250	6,280	42,900	1,470	1,900	1,800	59,600
June	1,810	2,390	1,250	6,280	47,100	1,420	1,900	1,800	63,900
January-June	11,300	15,900	7,510	37,700	268,000	8,550	11,400	10,800	372,000

^rRevised.

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

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

³Monthly data and 2008 cumulative data estimated based on 2007 annual data.

⁴Does not include an estimate, based on reported 2007 data of 3,750 tons per month from new scrap and 2,520 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 SEMIFABRICATES¹

(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
2008:						
January	104,000	145,000	104,000	141,000	35,900	25,500
February	102,000	140,000	104,000	142,000	34,700	24,200
March	103,000	144,000	102,000	136,000	38,000	30,400
April	103,000	132,000	103,000	133,000	36,400	29,600
May	101,000	128,000	102,000	131,000	36,100	26,800
June	97,800	134,000	99,900	136,000	34,000	25,400
July	96,700	132,000	97,900	131,000	32,800	26,400
August	99,900	140,000	98,000	134,000	34,700	31,900
September	96,200	124,000	94,900	131,000	33,900	25,100
October	96,100	129,000	97,400	123,000	34,800	30,700
November	86,700	98,900	87,700	106,000	33,900	23,500
December	80,900	79,500	79,200	81,500	35,500	21,600
January-December	1,170,000	1,530,000	1,170,000	1,530,000	XX	XX
2009:						
January	74,300	108,000	74,400	105,000	35,100	24,500
February	80,400	103,000	80,800	97,400	34,700	29,700
March	80,000	90,800	81,800	97,500	32,900	23,000
April	78,700	101,000	79,900	99,700	31,700	24,600
May	77,900	99,500	77,500	92,800	32,100	31,300
June	82,800	97,100	83,600	93,500	31,300	34,800
January-June	474,000	599,000	478,000	586,000	XX	XX

XX Not applicable.

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

TABLE 7
CONSUMPTION OF REFINED COPPER¹

(Metric tons)

Period and item	Brass mills	Wire-rod mills	Other plants ²	Total
2008:				
January	43,100	149,000	4,210	196,000
February	39,200	138,000	4,210	182,000
March	43,700	143,000	4,210	191,000
April	40,800	130,000	4,210	175,000
May	41,100	125,000	4,210	170,000
June	41,300	133,000	4,210	178,000
July	39,900	119,000	4,210	164,000
August	40,500	137,000	4,210	182,000
September	37,400	122,000	4,210	164,000
October	38,400	124,000	4,210	166,000
November	36,800	94,800	4,210	136,000
December	36,200	76,700	4,210	117,000
January-December	479,000	1,490,000	50,600	2,020,000
2009:				
January	38,100	104,000	4,210	147,000
February	38,900	102,000	4,210	145,000
March	37,200	90,100	4,210	132,000
April	37,200	101,000	4,210	142,000
May	39,800	100,000	4,210	145,000
June:				
Cathodes	27,100	97,500	710	125,000
Wire bars	--	--	(3)	(3)
Ingots and ingot bars	2,020	--	1,560	3,570
Cakes and slabs	(3)	--	(3)	(3)
Billets and other	10,600	769	1,890	13,200
Total	39,600	98,300	4,150	142,000
January-June	231,000	596,000	25,200	852,000

-- Zero.

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

²Consumption by ingot makers, chemical plants, foundries, and miscellaneous manufacturers is estimated based on 2007 annual data.

³Withheld to avoid disclosing company proprietary data; included with "Billets and other."

TABLE 8
U.S. APPARENT CONSUMPTION OF COPPER¹

(Metric tons)

Period	Refined copper production	Copper in old scrap ²	Refined general imports ³	Refined exports ³	Stock change during period	Apparent consumption
2008:						
January	106,000	14,000 ^r	58,600	5,980	(32,600)	205,000
February	102,000	14,100 ^r	57,800	5,680	(9,910)	179,000 ^r
March	104,000	14,000 ^r	53,600	6,280	(19,000)	185,000 ^r
April	97,700	14,100 ^r	59,800	3,180	(8,440)	177,000
May	103,000	14,100 ^r	63,600	1,870	(544)	179,000
June	97,400	14,300 ^r	48,900	1,360	(496)	160,000 ^r
July	93,700	14,200 ^r	77,500	2,040	8,120	175,000
August	102,000	14,400 ^r	86,900	2,020	21,400	180,000
September	103,000	14,200 ^r	54,500	1,540	18,400	152,000
October	106,000	14,500 ^r	49,700	3,210	8,760	158,000
November	102,000	14,500 ^r	51,000	1,740	27,400	139,000 ^r
December	109,000	14,500 ^r	61,700	1,600	44,000	139,000
January-December	1,230,000	171,000 ^r	724,000	36,500	57,000	2,030,000 ^r
2009:						
January	99,800	15,500	76,400	893	68,000	123,000
February	91,900	14,900	67,700	1,650	31,200	142,000
March	91,500	14,400	79,500	3,770	50,300	131,000
April	89,300	14,700	53,900	6,510	266	151,000
May	87,800	14,200	42,700	21,400	(24,400)	148,000
June	86,100	14,400	33,800	19,200	(28,400)	144,000
January-June	546,000	88,100	354,000	53,400	96,900	838,000

^rRevised.

¹Data 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 2007 data.

³Source: U.S. Census Bureau.

TABLE 9
CONSUMPTION OF PURCHASED COPPER-BASE SCRAP¹

(Metric tons, gross weight)

Period	Smelters and refineries		Ingot makers ²		Brass and wire-rod mills ³		Foundries, etc. ²		Total scrap used
	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	
2008:									
January	1,850 ^r	2,020	4,710	6,460	65,300	704	4,020	2,270	87,300 ^r
February	2,840 ^r	2,080	4,710	6,460	62,900	704	4,020	2,270	85,900 ^r
March	2,110 ^r	2,050	4,710	6,460	65,900	704	4,020	2,270	88,300 ^r
April	2,160 ^r	2,110	4,710	6,460	64,200	704	4,020	2,270	86,600 ^r
May	2,200 ^r	2,130	4,710	6,460	64,200	704	4,020	2,270	86,700 ^r
June	2,290 ^r	2,350	4,710	6,460	63,200	704	4,020	2,270	86,000 ^r
July	2,580 ^r	2,200	4,710	6,460	62,300	704	4,020	2,270	85,200 ^r
August	2,400 ^r	2,020	4,710	6,460	60,900	704	4,020	2,270	83,500 ^r
September	2,730 ^r	2,020	4,710	6,460	62,600	704	4,020	2,270	85,500 ^r
October	2,860 ^r	2,020	4,710	6,460	58,800	704	4,020	2,270	81,900 ^r
November	2,170 ^r	2,020	4,710	6,460	46,100	704	4,020	2,270	68,400 ^r
December	2,560 ^r	2,020	4,710	6,460	45,200	704	4,020	2,270	67,900 ^r
January-December	28,700 ^r	25,100	56,500	77,600	721,000	8,450	48,200	27,200	993,000 ^r
2009:									
January	3,360	2,190	4,710	6,460	53,500	704	4,020	2,270	77,200
February	2,680	2,170	4,710	6,460	55,700	704	4,020	2,270	78,700
March	1,970	2,180	4,710	6,460	55,900	704	4,020	2,270	78,200
April	2,380	2,140	4,710	6,460	55,700	704	4,020	2,270	78,400
May	1,960	2,170	4,710	6,460	53,000	704	4,020	2,270	75,300
June	2,240	2,180	4,710	6,460	58,300	704	4,020	2,270	80,900
January-June	14,600	13,000	28,200	38,800	332,000	4,220	24,100	13,600	469,000

^rRevised.

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

²Monthly data estimated from 2007 annual data.

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

TABLE 10
COPPER STOCKS AT END OF PERIOD¹

(Metric tons)

Period	Crude copper ²	Refined copper					LME ⁶	Total refined
		Refineries ³	Wire-rod mills ³	Brass mills ³	Other ⁴	Comex ⁵		
2008:								
January	29,000	8,770	9,010	8,460	5,750	12,700	55,400	100,000
February	21,100	7,700	8,800	10,700	5,750	11,900	45,300	90,100
March	15,700	6,860	8,950	11,700	5,750	10,800	27,000	71,100
April	15,100	5,330	18,800	11,600	5,750	9,820	11,400	62,700
May	14,300	8,070	16,800	9,150	5,750	10,000	12,400	62,100
June	30,500	6,830	8,050	8,650	5,750	10,000	22,300	61,600
July	16,000	6,540	14,200	9,460	5,750	5,720	28,100	69,700
August	10,800	12,900	18,000	10,000	5,750	4,890	39,600	91,100
September	11,800	11,900	12,100	11,200	5,750	9,000	59,500	109,000
October	14,100	6,040	17,100	8,210	5,750	8,970	72,200	118,000
November	16,300	8,560	20,000	7,760	5,750	15,200	88,300	146,000
December	19,800	15,700	22,600	8,340	5,750	31,300	106,000	190,000
2009:								
January	24,700	13,400	31,000	7,570	5,750	36,500	163,000	258,000
February	16,000	11,600	23,100	8,100	5,750	41,100	199,000	289,000
March	21,300	14,300	25,100	8,580	5,750	42,200	243,000	339,000
April	25,200	11,100	15,900	9,760	5,750	43,600	253,000	339,000
May	22,500	14,600	18,400	7,860	5,750	50,500	218,000	315,000
June	23,800	11,600	18,700	9,460	5,750	54,200	187,000	287,000

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 2008 annual data, comprising stocks at ingot makers, chemical plants, foundries, and miscellaneous manufacturers.

⁵Comex Division of New York Mercantile Exchange, Inc., New York.

⁶London 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 ¹	Comex first position ²	LME cash price Grade A
2008:			
January	326.000	320.171	320.241
February	364.781	358.955	357.747
March	386.934	381.108	382.751
April	399.765	393.939	393.900
May	383.247	377.421	380.180
June	374.800	368.974	374.668
July	381.765	375.939	381.616
August	349.211	343.640	346.264
September	320.119	314.293	317.045
October	224.391	218.565	223.390
November	174.323	168.497	168.567
December	144.624	138.798	139.315
January-December	319.163	313.358	315.474
2009:			
January	153.674	147.848	146.069
February	156.465	150.639	150.322
March	177.524	171.698	170.042
April	210.440	204.614	199.846
May	216.439	210.613	207.208
June	234.165	228.339	227.394
January-June	191.451	185.625	183.480

¹Listed as "U.S. producer cathode."

²Listed 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
2008:				
January	307.95	293.67	223.21	147.71
February	344.83	326.70	235.00	153.75
March	366.14	341.86	263.21	167.86
April	380.36	357.73	271.82	170.00
May	362.19	339.07	272.02	169.76
June	355.33	332.55	262.50	165.00
July	357.55	331.50	267.50	165.00
August	325.38	308.07	257.50	164.29
September	306.62	288.29	242.50	159.00
October	210.91	188.91	127.50	111.96
November	155.94	130.17	102.50	80.00
December	133.43	110.43	80.00	71.90
January-December	300.55	279.08	217.11	143.85
2009:				
January	141.30	119.70	83.13	70.00
February	147.05	127.68	97.24	74.74
March	167.59	153.77	109.32	84.55
April	200.10	188.10	129.40	94.76
May	206.75	197.15	139.00	101.50
June	220.91	204.36	160.23	116.36
January-June	180.62	165.13	119.72	90.32

Source: American Metal Market.

TABLE 13
U.S. IMPORTS FOR CONSUMPTION OF COPPER (UNMANUFACTURED), BY CLASS¹

(Metric tons, copper content)

Country or territory	Ore and concentrate			Matte, ash, and precipitates			Blister and anodes			Refined		
	2009		January- June	2009		January- June	2009		January- June	2009		January- June
	2008	June		2008	June		2008	June		2008	June	
Belgium	--	--	--	36	--	7	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--	--	--	598	--	5,790
Canada	406	--	118	319	5	129	84,800	3,910	32,700	242,000	9,770	93,700
Chile	--	--	--	--	--	--	32,900	--	--	334,000	12,500	177,000
Finland	--	--	--	--	--	--	849	17	120	--	--	--
Germany	--	--	--	--	--	12	1	--	(2)	3,230	190	1,390
Japan	--	--	--	6	1	64	13	--	5	4,680	307	2,120
Mexico	--	--	--	83	--	--	3,910	861	2,810	19,500	1,310	10,900
Peru	234	--	--	--	--	--	--	--	--	117,000	11,600	75,100
Taiwan	--	--	--	243	--	15	--	--	--	(2)	--	--
Other	--	--	--	481	--	64	8	19	41	1,840	49	64
Total	640	--	118	1,170	6	291	122,000	4,810	35,600	724,000	35,700	366,000

-- Zero.

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

²Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 14
U.S. EXPORTS OF COPPER (UNMANUFACTURED), BY CLASS¹

(Metric tons, copper content)

Country or territory	Ore and concentrate			Matte, ash and precipitates			Blister and anodes			Refined		
	2009			2009			2009			2009		
	2008	June	January - June	2008	June	January - June	2008	June	January - June	2008	June	January - June
Australia	(2)	--	--	--	--	--	46	--	15	117	2	2
Belgium	259	--	--	61	--	--	101	--	45	--	--	--
Canada	28,100	1,890	12,000	43,800	1,920	18,500	10,000	112	2,740	12,600	2,510	7,090
China	97,800	5,920	32,800	1,640	239	355	243	45	147	8,620	8,360	24,900
Costa Rica	2	(2)	(2)	--	--	--	48	--	1	(2)	--	--
Germany	--	--	--	281	--	587	2,420	171	748	256	--	31
Hong Kong	1	--	--	--	--	--	2,210	40	514	109	1,200	2,290
India	1	--	--	8	--	--	767	--	52	2,130	--	59
Japan	48,100	--	11,100	53	--	9	1,420	40	164	21	37	37
Korea, Republic of	4,810	--	2,970	--	--	--	1,510	43	244	129	--	2
Mexico	122,000	2,090	25,400	--	--	--	135	5	23	10,200	1,120	5,860
Saudi Arabia	53	--	--	--	--	--	33	12	22	21	--	--
Singapore	32	--	--	55	--	--	137	12	12	--	212	1,160
Spain	1	--	--	298	79	847	534	--	--	(2)	--	--
Sweden	--	--	--	6	--	--	730	--	169	1	--	--
Taiwan	--	--	--	1	--	--	723	20	261	188	--	503
Other	437	22	38	20	--	2	2,360 [†]	88	808	2,080 [†]	5,730	11,400
Total	301,000	9,920	84,300	46,200	2,230	20,300	23,500	588	5,970	36,500	19,200	53,400

[†]Revised. -- Zero.

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

²Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 15
U.S. COPPER SCRAP IMPORTS¹

(Metric tons, gross weight)

Country or territory	Unalloyed			Alloyed		
	2009			2009		
	2008	June	January - June	2008	June	January - June
Brazil	3	--	--	74	--	--
Canada	11,300	627	3,060	30,900	2,180	10,700
China	--	--	--	147	3	3
Costa Rica	313	5	102	1,490	124	363
Germany	60	8	15	191	--	49
Guatemala	306	4	56	1,620	4	91
Honduras	1,780	53	334	515	35	88
Jamaica	183	7	67	357	11	129
Japan	29	12	12	--	--	--
Mexico	6,120	275	1,930	31,500	2,000	10,900
Nicaragua	251	29	162	103	24	52
Singapore	--	--	--	2	--	14
Taiwan	--	--	--	9	--	--
United Kingdom	--	--	--	369	--	--
Other	12,400 ^r	126	814	6,230	256	1,520
Total	32,800	1,150	6,550	73,500	4,630	23,900

^rRevised. -- Zero.

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

Source: U.S. Census Bureau.

TABLE 16
U.S. COPPER SCRAP EXPORTS¹

(Metric tons, gross weight)

Country or territory	Unalloyed						Alloyed					
	2008	2009						2008	2009			
		No. 1		No. 2		Other			Segregated		Unsegregated	
		June	January - June	June	January - June	June	January - June		June	January - June	June	January - June
Belgium	2,570	68	68	41	568	60	252	17,900	--	58	998	7,730
Canada	9,830	--	--	--	--	229	911	39,000	201	917	2,010	15,600
China	186,000	4,470	29,000	6,730	47,400	4,000	18,600	421,000	4,600	42,100	28,500	166,000
Germany	4,280	21	141	--	168	44	149	10,300	--	--	339	3,700
Hong Kong	21,200	647	1,590	852	3,940	273	1,040	50,900	423	2,690	2,170	16,200
India	1,970	--	20	--	24	18	89	9,340	612	5,730	135	1,170
Japan	8,720 ^r	--	--	39	296	149	515	13,000	20	164	778	3,310
Korea, Republic of	19,800 ^r	116	1,240	172	1,230	138	1,320	21,900	289	1,400	1,100	12,100
Mexico	1,960 ^r	2	57	19	228	37	175	5,970	18	139	576	7,180
Spain	767 ^r	20	324	40	138	--	57	10,700	123	881	1,000	4,780
Taiwan	4,900	471	1,270	687	1,620	20	185	9,910	220	513	535	4,890
Thailand	2,020 ^r	--	--	--	--	197	829	117	--	--	--	205
United Kingdom	20	77	79	--	--	--	--	356	17	20	18	47
Other	14,900	21	1,340	1	456	20	116	18,300	40	263	1,590	10,100
Total	278,000 ^r	5,910	35,200	8,590	56,000	5,180	24,200	629,000	6,560	54,900	39,700	253,000

^rRevised. -- Zero.

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

Source: U.S. Census Bureau.