

Mineral Industry Surveys

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COPPER IN JULY 2007

Average daily mine and refinery production of copper in July were essentially unchanged from that in June, according to data compiled by the U.S. Geological Survey. Consumption of refined copper in July fell by about 10% from that in June and was about 4% below that for July 2006. Consumption through the first 7 months of 2007 was about 2% below that for the same period of 2006.

Update

According to data released by the International Copper Study Group (ICSG) in April 2008, the global copper market was essentially balanced in 2007 with a calculated refined copper deficit of about 40,000 metric tons (t). Stronger growth in China's apparent usage and anticipated growth in supply that did not materialize shifted the market from a previously projected surplus. According to the ICSG, projections for 2008 indicated a small surplus of about 85,000 t (0.5% of refined copper use), and projections for 2009 indicated a larger surplus of about 430,000 t (2.2% of refined copper use). World copper mine production in 2007 rose by 3% to 15.5 million metric tons (Mt), an increase of 465,000 t compared with that in 2006. Lower head grades, technical production problems, and labor unrest resulted in a lower capacity utilization rate. Mine

production was expected to increase by 955,000 t (6%) to 16.4 Mt in 2008, and to further increase by 9% to 17.9 Mt in 2009. World production of refined copper was projected to reach 18.6 Mt in 2008, an increase of about 490,000 t (2.7%) compared with that of 2007, and refined production in 2009 was projected to increase by 7% to 19.9 Mt, an increase of about 1.3 Mt compared with that of 2008. World refined copper use in 2007 increased by 6.4% to 18.1 Mt. In China, where apparent use grew by 36%, net imports of refined copper rose by 134% to about 1.4 Mt. World use outside of China decreased by about 1.5% in 2007, with use in the other three major markets (United States, European Union-15, and Japan) decreasing by around 3.3%. In 2008, significantly lower growth in apparent refined use in China and a decrease in the United States were expected to result in a lower world growth in use of around 2%. In 2009, world copper use was expected to grow by 5% and reach 19.5 Mt (International Copper Study Group, 2008).

Reference Cited

International Copper Study Group, 2008, International Copper Study Group forecast 2008-2009: Lisbon, Portugal, International Copper Study Group, April 28, 1 p.

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

(Metric tons, unless otherwise specified)

	Source table ²	2007			
		2006 ^p	June	July	January - July
Production:					
Primary:					
Mine, recoverable	(2)	1,200,000	97,900	100,000	676,000
Refinery:					
Electrolytic:					
Domestic and foreign	(4)	675,000	64,600	67,400	446,000
Electrowon	(4)	530,000	44,300	45,300	300,000
Total	(4)	1,210,000	109,000	113,000	746,000
Secondary recoverable copper:					
Refineries	(5)	44,800	3,430	3,370	24,800
Ingot makers ³	(5)	94,200	7,850	7,850	55,000
Brass and wire-rod mills	(5)	719,000	59,000	53,300	403,000
Foundries, etc. ³	(5)	59,400	4,950	4,950	34,700
Smelter, total	(3)	501,000	56,200	55,200	372,000
Consumption:					
Apparent	(8)	2,210,000	185,000	NA	NA
Refined (reported)	(7)	2,130,000	194,000	175,000	1,300,000
Purchased copper-base scrap	(9)	1,170,000	95,500	88,300	656,000
Stocks at end of period:					
Total refined	(11)	196,000	143,000	145,000	XX
Blister, etc.	(11)	18,800	33,500	29,900	XX
Prices:					
U.S. producer cathode (cents per pound) ⁴	(12)	314.751	344.590	367.421	321.495
Imports:⁵					
Ores and concentrates ⁶	(14)	192	--	NA	NA
Refined	(14)	1,070,000	58,900	NA	NA
Exports:⁵					
Ores and concentrates ⁶	(15)	108,000	9,830	NA	NA
Refined	(15)	106,000	6,550	NA	NA

^pPreliminary. NA Not available. XX Not applicable. -- Zero.

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

²Numbers in parentheses refer to the significant tables where these data are located.

³Monthly data and 2006 cumulative data estimated based on 2005 monthly average.

⁴Source: Platts Metals Week.

⁵Source: U.S. Census Bureau.

⁶Copper content.

TABLE 2
MINE PRODUCTION OF RECOVERABLE COPPER IN THE UNITED STATES¹

(Metric tons)

Period	Recoverable copper			Contained copper		
	Arizona	Others ²	Total	Electrowon	Concentrates ³	Total
2006: ^P						
January-July	411,000	282,000	693,000	311,000	396,000	707,000 ^r
July	60,400	42,700	103,000	45,500	59,600	105,000
August	59,900	40,600	100,000	43,700	58,700	102,000
September	59,300	38,900	98,100	42,800	57,400	100,000
October	59,700	43,900	104,000	44,300	61,300	106,000
November	60,800	39,200	99,900	43,000	59,000	102,000
December	61,300	40,600	102,000	45,000	58,300	103,000
January-December	712,000	485,000	1,200,000	530,000	690,000	1,220,000
2007:						
January	57,600	38,700	96,300	40,900	57,400	98,300
February	52,200	32,800	85,000	38,400	48,900	87,300
March	58,900	36,400	95,200	42,600	54,500	97,000
April	60,600	37,300	97,800	43,100	56,700	99,900
May	63,600	39,800	103,000	45,000	60,500	105,000
June	63,300	34,600	97,900	44,300	55,700	100,000
July	64,800	35,200	100,000	45,300	56,700	102,000
January-July	421,000	255,000	676,000	300,000	390,000	690,000

^PPreliminary. ^rRevised.

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
2006: ^P	
January-July	319,000 ^r
July	42,500
August	45,100
September	33,200
October	18,700
November	32,300
December	53,500
January-December	501,000
2007:	
January	47,200
February	47,800
March	53,700
April	52,400
May	59,200
June	56,200
July	55,200
January-July	372,000

^PPreliminary. ^rRevised.

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		
2006: ^P					
January-July	417,000 ^r	311,000	728,000 ^r	26,100	755,000 ^r
July	51,300	45,500	96,800	3,700	100,000
August	53,800	43,700	97,500	3,700	101,000
September	55,400	42,800	98,200	3,770	102,000
October	41,800	44,300	86,100	3,700	89,800
November	47,700	43,000	90,700	3,700	94,400
December	59,500	45,000	105,000	3,760	108,000
January-December	675,000	530,000	1,210,000	44,800	1,250,000
2007:					
January	56,100 ^r	40,900	97,000 ^r	3,880	101,000 ^r
February	54,900	38,400	93,200	3,880	97,100
March	69,900	42,600	112,000	3,370	116,000
April	66,200	43,100	109,000	3,480	113,000
May	67,200	45,000	112,000	3,410	116,000
June	64,600	44,300	109,000	3,430	112,000
July	67,400	45,300	113,000	3,370	116,000
January-July	446,000	300,000	746,000	24,800	771,000

^PPreliminary. ^rRevised.

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

²From domestic and foreign source materials.

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	
2006: ^P									
January-July	9,350	16,800	14,100 ^r	40,900 ^r	431,000 ^r	8,540 ^r	13,100 ^r	21,500 ^r	555,000 ^r
July	1,340	2,370	2,010	5,840	59,400	697	1,880	3,070	76,600
August	1,340	2,370	2,010	5,840	60,800	838	1,880	3,070	78,200
September	1,340	2,440	2,010	5,840	57,200	772	1,880	3,070	74,500
October	1,340	2,370	2,010	5,840	56,400	764	1,880	3,070	73,700
November	1,340	2,370	2,010	5,840	53,200	824	1,880	3,070	70,600
December	1,340	2,420	2,010	5,840	48,500	776	1,880	3,070	65,800
January-December	16,000	28,800	24,100	70,100	707,000	12,500	22,500	36,900	918,000
2007:									
January	1,340	2,550	2,010	5,840	53,300	726	1,880	3,070	70,700
February	1,340	2,550	2,010	5,840	54,700	794	1,880	3,070	72,200
March	1,340	2,030	2,010	5,840	62,000	769	1,880	3,070	78,900
April	1,340	2,150	2,010	5,840	58,300	766	1,880	3,070	75,300
May	1,340	2,080	2,010	5,840	58,400	697	1,880	3,070	75,300
June	1,340	2,100	2,010	5,840	58,300	697	1,880	3,070	75,300
July	1,340	2,040	2,010	5,840	52,600	732	1,880	3,070	69,500
January-July	9,350	15,500	14,100	40,900	398,000	5,180	13,100	21,500	517,000

^PPreliminary. ^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 2006 cumulative data estimated based on 2005 annual data.

⁴Does not include an estimate, based on reported 2005 data of 3,280 tons per month from new scrap and 1,200 tons per month 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
2006: ^P						
January-July	797,000	989,000 ^r	801,000	995,000 ^r	XX	XX
July	101,000	134,000	104,000	132,000	45,700	24,400
August	112,000	139,000	112,000	139,000	46,000	24,700
September	106,000	138,000	107,000	132,000	45,200	31,200
October	110,000	113,000	108,000	119,000	47,300	25,500
November	101,000	110,000	100,000	108,000	48,000	28,000
December	93,000	92,100	91,500	95,800	49,500	24,300
January-December	1,320,000	1,580,000	1,320,000	1,590,000	XX	XX
2007:						
January	103,000	139,000	105,000	138,000	47,900	24,900
February	109,000	135,000	110,000	131,000	50,100	28,900
March	111,000	145,000	112,000	150,000	46,800	23,100
April	107,000	144,000	109,000	143,000	45,100	23,900
May	109,000	145,000	110,000	149,000	43,500	20,300
June	108,000	146,000	109,000	138,000	42,700	28,500
July	98,500	132,000	99,600	136,000	41,600	23,900
January-July	746,000	985,000	753,000	985,000	XX	XX

^PPreliminary. ^rRevised. 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
2006: ^P				
January-July	301,000	994,000	38,000 ^r	1,330,000
July	37,200	139,000	5,430	182,000
August	38,300	139,000	5,430	182,000
September	38,900	136,000	5,430	181,000
October	39,500	110,000	5,430	155,000
November	36,200	103,000	5,430	144,000
December	36,300	90,600	5,430	132,000
January-December	490,000	1,570,000	65,200	2,130,000
2007:				
January	39,300	138,000	5,430	182,000
February	46,000	129,000	5,430	180,000
March	42,500	144,000	5,430	191,000
April	43,000	142,000	5,430	190,000
May	42,000	144,000	5,430	191,000
June	43,300	145,000	5,430	194,000
July:				
Cathodes	25,400	131,000	956	157,000
Wire bars	--	--	(3)	(3)
Ingots and ingot bars	2,020	--	2,460	4,480
Cakes and slabs	3,590	--	(3)	3,590
Billets and other	7,860	--	2,010	9,870
Total	38,900	131,000	5,430	175,000
January-July	295,000	971,000	38,000	1,300,000

^PPreliminary. ^rRevised. -- 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 2005 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
2006: ^P						
January-July	728,000 ^r	96,100 ^r	654,000	54,700	18,500 ^r	1,410,000
July	96,800	13,200	91,400	6,010	8,720	187,000
August	97,500	13,300	101,000	9,560	5,140	198,000
September	98,200	13,300	106,000	9,330	12,900	195,000
October	86,100	13,200	96,400	13,700	8,750	173,000
November	90,700	13,300	59,300	6,190	45,900	111,000
December	105,000	13,400	56,500	12,600	39,300	122,000
January-December	1,210,000	163,000	1,070,000	106,000	130,000	2,210,000
2007:						
January	97,000 ^r	13,300	87,300	3,120	25,300 ^r	169,000 ^r
February	93,200	12,800	76,400	2,680	(1,370) ^r	181,000 ^r
March	112,000	12,100	68,400	5,140	(16,300) ^r	204,000 ^r
April	109,000	13,000	65,800	3,630	(18,300) ^r	203,000 ^r
May	112,000	13,600	80,100	3,920	(31,900) ^r	234,000 ^r
June	109,000	13,600	58,900	6,550	(10,300)	185,000
July	113,000	13,600	NA	NA	1,160	NA
January-July	746,000	91,900	NA	NA	(51,700)	NA

^PPreliminary. ^rRevised. NA Not available.

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 2005 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	
2006: ^P									
January-July	9,440 ^r	16,800 ^r	28,000 ^r	56,300 ^r	537,000	9,020	23,400 ^r	24,300 ^r	704,000 ^r
July	1,350	2,390	4,010	8,050	73,000	704	3,340	3,470	96,300
August	1,350	2,390	4,010	8,050	76,600	847	3,340	3,470	100,000
September	1,350	2,390	4,010	8,050	71,800	780	3,340	3,470	95,200
October	1,350	2,390	4,010	8,050	70,900	772	3,340	3,470	94,300
November	1,350	2,390	4,010	8,050	66,000	832	3,340	3,470	89,400
December	1,350	2,390	4,010	8,050	60,500	832	3,340	3,470	83,900
January-December	16,200	28,700	48,100	96,600	882,000	13,100	40,100	41,600	1,170,000
2007:									
January	1,350	2,390	4,020	8,050	66,800	750	3,340	3,470	90,200
February	1,350	2,390	4,020	8,050	67,300	861	3,340	3,470	90,800
March	1,350	2,390	4,020	8,050	77,500	793	3,340	3,470	101,000
April	1,350	2,390	4,020	8,050	71,700	809	3,340	3,470	95,100
May	1,350	2,390	4,020	8,050	72,200	704	3,340	3,470	95,500
June	1,350	2,390	4,020	8,050	72,200	704	3,340	3,470	95,500
July	1,350	2,390	4,020	8,050	64,900	753	3,340	3,470	88,300
January-July	9,440	16,700	28,100	56,300	493,000	5,370	23,400	24,300	656,000

^PPreliminary. ^rRevised.

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

²Monthly data and 2006 cumulative data estimated from 2005 annual data.

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

TABLE 10
CONSUMPTION OF PURCHASED COPPER-BASE SCRAP^{1,2}

(Metric tons, gross weight)

Scrap type and processor	2006 ^p		2007			
	January- December	January- July	May	June	July	January- July
No. 1 wire and heavy:						
Smelters and refiners	72,700	42,400 ^r	5,690	5,690	5,690	34,200
Brass and wire-rod mills	400,000	246,000	34,000	34,100	31,200	232,000
No. 2 mixed heavy and light:						
Smelters and refiners	28,300	16,500 ^r	3,130	3,200	3,130	21,500
Brass and wire-rod mills	13,600	7,970 ^r	1,440	1,160	1,020	8,050
Total unalloyed scrap:						
Smelters and refiners	101,000	58,900 ^r	8,830	8,890	8,830	55,700
Brass and wire-rod mills	413,000	254,000	35,400	35,300	32,300	240,000
Red brass:³						
All plants	35,400	21,200 ^r	2,710	2,830	2,700	19,800
Leaded yellow brass:						
All plants	185,000	113,000	14,000	14,200	13,900	101,000
Yellow and low brass:						
All plants	176,000	106,000 ^r	14,100	14,000	11,800	89,900
Cartridge cases and brass:						
All plants	93,900	55,600 ^r	7,880	7,840	6,810	53,300
Auto radiators:						
Smelters and refiners	24,300	14,200 ^r	2,030	2,030	2,030	14,200
Bronzes:						
Smelters and refiners	10,300	6,030 ^r	862	862	862	6,030
Brass mills	7,110	4,320	347	337	318	2,680
Nickel-copper alloys:						
All plants	18,500	11,500 ^r	1,110	1,190	795	8,720
Low grade and residues:						
Smelters and refiners	35,000	20,400 ^r	2,910	2,910	2,910	20,400
Other alloy scrap:⁴						
Smelters and refiners	1,180	693 ^r	99	99	99	693
Brass mills	5,400	3,150 ^r	450	450	450	3,150
Total alloyed scrap:						
Smelters and refiners	109,000	63,400 ^r	9,050	9,050	9,050	63,400
Brass mills	484,000 ^r	292,000 ^r	37,500	37,700	33,600	257,000
Total scrap:						
Smelters and refiners	210,000	122,000 ^r	17,900	17,900	17,900	119,000
Brass and wire-rod mills	897,000	546,000 ^r	73,000	73,000	65,800	497,000

^pPreliminary. ^rRevised.

¹Does not include: consumption by foundries, chemical plants, and miscellaneous manufacturers, estimated to total about 6,800 tons of scrap per month based on 2005 annual data; monthly data include estimates tons of about 12,100 tons of scrap per month consumed by ingot makers.

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

³Includes composition turnings, silicon bronze, zincy bronze, railroad car boxes, cocks and faucets, gilding metal, and commercial bronze.

⁴Includes refinery brass, beryllium copper, phosphor copper, and aluminum bronze.

TABLE 11
COPPER STOCKS AT END OF PERIOD¹

(Metric tons)

Period	Crude copper ²	Refined copper					Total refined	
		Refineries ³	Wire-rod mills ³	Brass mills ³	Other ⁴	Comex ⁵		LME ⁶
2006: ^p								
July	23,900	6,520	31,600	34,300	5,750	6,130	--	84,300
August	20,500	9,030	24,800	38,600	5,750	11,300	--	89,500
September	27,300	9,490	30,500	36,400	5,750	18,500	1,800	102,000
October	24,300	11,900	24,400	33,700	5,750	21,100	14,300	111,000
November	19,000	20,000	30,100	35,800	5,750	28,700	36,700	157,000
December	18,800	28,100	21,500	34,500	5,750	30,900	75,600	196,000
2007:								
January	24,700	26,700	28,200	34,100	5,750	32,600	94,300	222,000
February	22,300	15,400	28,600	39,000	5,750	37,000	94,500	220,000
March	24,400	12,900	26,600	41,000	5,750	33,100	84,600	204,000
April	26,000	12,900	23,000	43,500	5,750	30,100	70,400	186,000
May	27,000	8,190	13,600	46,400	5,750	24,700	55,200	154,000
June	33,500	6,960	22,300	48,400	5,750	20,100	40,000	143,000
July	29,900	6,940	32,900	51,000	5,750	19,600	28,400	145,000

^pPreliminary. -- Zero.

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 2005 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 12
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
2006:			
July	368.147	362.321	349.740
August	358.887	353.061	348.985
September	352.184	346.385	344.768
October	345.226	339.400	340.164
November	322.386	316.560	318.786
December	307.200	301.413	302.690
January-December	314.751	308.935	304.850
2007:			
January	264.131	258.305	257.128
February	265.487	259.661	257.424
March	298.096	292.270	292.604
April	356.666	350.840	352.226
May	354.074	348.248	348.417
June	344.590	338.764	339.032
July	367.421	361.595	361.623
January-July	321.495	315.669	315.493

¹Listed as "U.S. producer cathode."

²Listed as "Comex high grade first position."

Sources: Platts Metals Week and American Metal Market.

TABLE 13
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
2006:				
July	333.43	273.15	197.35	118.20
August	328.30	265.84	210.05	125.32
September	320.65	282.05	208.10	125.30
October	315.34	285.23	216.09	129.27
November	298.18	272.48	216.50	126.85
December	286.97	266.36	206.50	121.56
January-December	291.03	260.50	183.93	105.43
2007:				
January	248.57	234.19	175.12	111.86
February	253.42	240.42	172.92	111.95
March	286.66	270.32	184.41	119.36
April	340.88	312.00	222.31	137.05
May	340.82	308.82	235.64	143.59
June	330.79	298.90	228.40	142.24
July	345.07	298.90	243.17	147.00
January-July	306.60	280.51	208.85	130.44

Source: American Metal Market.

TABLE 14
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		
	2007			2007			2007			2007		
	2006	June	January-June	2006	June	January-June	2006	June	January-June	2006	June	January-June
Austria	--	--	--	--	--	--	--	--	--	1,510	--	--
Belgium	--	--	--	13	--	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--	--	--	20,200	2,740	8,770
Canada	191	--	35	585	116	204	87,800	8,030	42,500	256,000	15,600	131,000
Chile	--	--	--	--	--	--	79,100	3,560	28,000	521,000	16,000	176,000
Finland	--	--	--	--	--	--	967	119	402	--	--	5
Germany	--	--	--	(2)	--	--	8	--	(2)	25,200	1,510	6,420
Japan	--	--	--	--	--	--	(2)	--	--	5,850	760	2,800
Kazakhstan	--	--	--	--	--	--	--	--	--	49,300	--	--
Mexico	--	--	--	22	--	--	2,810	792	3,590	28,800	5,820	42,300
Peru	--	--	6	--	--	--	--	--	--	158,000	16,300	70,100
Taiwan	--	--	--	1,170	83	493	--	--	--	--	--	5
Other	1	--	--	124	26	151	21	--	1	7,950	161	176
Total	192	--	41	1,910	225	848	171,000	12,500	74,500	1,070,000	58,900	437,000

-- 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 15
U.S. EXPORTS OF COPPER (UNMANUFACTURED), BY CLASS¹

(Metric tons, copper content)

Country or territory	Ore and concentrate ²			Matte, ash, and precipitates			Blister and anodes			Refined		
	2007			2007			2007			2007		
	2006	June	January - June	2006	June	January - June	2006	June	January - June	2006	June	January - June
Australia	--	--	--	1,840	--	--	70	--	31	64	--	3
Belgium	--	15	25	75	--	13	461	11	77	--	213	213
Canada	23,300	344	2,780	71,600	5,770	34,600	4,410	121	2,370	81,500	2,550	5,660
China	37,000	5,390	21,100	6,360	--	--	388	80	422	11,000	1,250	9,160
Costa Rica	--	--	--	10	--	(3)	(3)	1	1	14	--	19
Germany	--	120	482	2	--	46	1,360	202	1,100	126	86	502
Hong Kong	--	--	--	6	--	--	3,920	316	1,390	66	--	70
India	5,200	--	--	3	--	--	171	25	79	5,090	880	3,930
Japan	19,200	2,720	14,400	2	--	--	812	11	422	(3)	--	--
Korea, Republic of	2,980	--	595	11	--	--	946	117	488	123	9	41
Mexico	20,000	1,240	2,540	13,800	--	--	337	2	20	5,230	1,200	3,160
Saudi Arabia	--	--	--	--	--	--	--	--	(3)	93	--	9
Singapore	--	--	--	44	--	13	421	20	113	11	--	7
Spain	104	--	16	--	--	--	253	--	60	59	--	273
Sweden	1	--	--	--	--	--	1,820	--	83	164	--	--
Taiwan	16	--	--	15	--	11	1,590	100	639	191	--	42
Other	52	2	3,640	1,810	65	65	1,980	166	681	2,330	339	1,960
Total	108,000	9,830	45,600	95,600	5,840	34,800	18,900	1,170	7,970	106,000	6,550	25,000

-- Zero.

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

²Data for 2006 adjusted by U.S. Geological Survey to reflect estimated copper content.

³Less than ½ unit.

TABLE 16
U.S. COPPER SCRAP IMPORTS ¹

(Metric tons, gross weight)

Country or territory	Unalloyed			Alloyed		
	2007			2007		
	2006	June	January- June	2006	June	January- June
Brazil	--	--	--	261	38	60
Canada	7,740	535	4,480	43,900	3,250	16,000
China	1	--	--	597	--	35
Costa Rica	1,760	128	608	1,740	155	1,190
Germany	35	2	84	2	--	14
Guatemala	190	--	157	2,310	154	798
Honduras	1,700	149	549	821	31	311
Jamaica	364	52	241	167	25	205
Japan	104	--	36	32	20	40
Mexico	6,920	481	2,980	29,600	2,900	14,700
Nicaragua	874	52	416	443	78	242
Singapore	--	--	--	367	--	74
Taiwan	--	--	--	231	17	32
United Kingdom	183	9	64	646	106	494
Other	5,060	2,220	13,800	11,500	426	2,920
Total	24,900	3,630	23,400	92,600	7,200	37,100

-- Zero.

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

Source: U.S. Census Bureau.

TABLE 17
U.S. COPPER SCRAP EXPORTS¹

(Metric tons, gross weight)

Country or territory	Unalloyed						Alloyed					
	2007						2007					
	No. 1		No. 2		Other		Segregated			Unsegregated		
	2006	January - June	January - June	2006	January - June	2006	2006	January- June	January- June	2006	June	January- June
Belgium	1,380	55	1,400	116	195	30	235	12,700	151	634	1,300	6,940
Canada	71,700	--	--	--	--	1,260	4,870	38,800	319	2,860	2,840	16,900
China	247,000	2,380	13,600	11,300	60,300	5,360	33,800	257,000	8,220	44,600	24,600	149,000
Germany	15,200	98	970	57	1,120	148	2,550	15,400	18	180	298	2,840
Hong Kong	7,060	60	296	740	3,610	280	1,310	11,600	20	390	1,030	7,800
India	1,600	--	--	--	--	19	2,580	10,700	867	3,360	409	1,180
Japan	7,730	130	527	78	482	475	3,450	8,020	189	1,260	608	3,210
Korea, Republic of	20,700	980	5,270	642	3,110	570	3,670	13,000	133	1,320	886	5,860
Mexico	815	--	41	--	4	--	258	6,770	114	727	164	1,050
Spain	386	--	--	19	209	--	--	9,340	--	--	1,340	6,800
Taiwan	22,300	537	1,710	685	2,390	424	9,520	9,930	173	785	1,130	6,300
Thailand	201	19	19	--	--	20	454	331	--	--	--	60
United Kingdom	105	--	2	--	--	--	19	482	37	69	42	240
Other	2,770	133	595	32	146	2,300	3,750	10,300	1,080	3,330	1,190	7,090
Total	399,000	4,400	24,400	13,600	71,600	10,900	66,500	404,000	11,300	59,500	35,900	215,000

-- Zero.

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

Source: U.S. Census Bureau.