

Mineral Industry Surveys

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COPPER IN SEPTEMBER 2005

Average daily mine production of copper in September rose by 6% compared with that of August, according to data compiled by the U.S. Geological Survey. Despite lower production during the third quarter of the year owing to a sustained strike at ASARCO Incorporated's mines in Arizona, production for the first 3 quarters of 2005 was about 4% higher than that for the equivalent period in 2004. Production of refined copper for the first 3 quarters of 2005, however, remained 4% below that for the equivalent period of 2004 owing to lower solvent extraction-electrowinning production and increased exports of copper in concentrates. Average daily consumption of refined copper in September rose by about 2% from that in August. Though consumption of refined copper for the first 9 months of 2005 was almost 8% lower than that for the equivalent period in 2004, rising reported consumption in August and September corroborated industry reports of increasing capacity utilization at domestic wire-rod mills.

According to preliminary data released by the International Copper Study Group (2005), world mine and refined production of copper for the first 9 months of 2005 were up by 2.9% and 3.9%, respectively, from that of the equivalent period of 2004, while global use of refined copper fell by 1.8% over the same comparative periods. As a result, the calculated apparent production deficit for the first 9 months of 2005 fell to about 190,000 metric tons (t) from 860,000 t for the equivalent period in 2004. For the first 3 quarters of 2005, Asia was the only major copper-consuming region that experienced year-on-year growth in use (2.8%), where strong growth in China (11%) and India (15%) were partially offset by declines in the other Asian consuming countries.

Reference Cited

International Copper Study Group, 2005, Copper—Preliminary data for September 2005: Lisbon, Portugal, International Copper Study Group press release, December 28, 1 p.

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

(Metric tons, unless otherwise specified)

	Source table ²	2005			January - September
		2004 ^p	August	September	
Production:					
Primary:					
Mine, recoverable	(2)	1,160,000	91,000	93,400	872,000
Refinery:					
Electrolytic:					
Domestic and foreign	(4)	671,000	51,200 ^r	49,900	474,000
Electrowon	(4)	584,000	47,300	47,000	416,000
Total	(4)	1,260,000	98,500 ^r	96,900	890,000
Secondary recoverable copper:					
Refineries	(5)	50,800	3,590	3,630	35,600
Ingot makers ³	(5)	91,800	7,650	7,650	68,900
Brass and wire-rod mills	(5)	705,000	59,300	59,600	522,000
Foundries, etc. ³	(5)	65,200	5,430	5,430	48,900
Smelter, total	(3)	542,000	49,300	48,500	382,000
Consumption:					
Apparent	(8)	2,570,000	205,000	NA	NA
Refined (reported)	(7)	2,410,000	202,000 ^r	201,000	1,720,000
Purchased copper-base scrap	(9)	1,150,000	96,300 ^r	96,700	856,000
Stocks at end of period:					
Total refined	(11)	136,000	78,100 ^r	78,200	XX
Blister, etc.	(11)	51,400	43,800	49,700	XX
Prices:					
U.S. producer cathode (cents per pound) ⁴	(12)	133.938	176.905	180.623	161.938
Imports:⁵					
Ores and concentrates ⁶	(14)	22,900	--	NA	NA
Refined	(14)	807,000	79,400	NA	NA
Exports:⁵					
Ores and concentrates ⁶	(15)	24,200	18,200	NA	NA
Refined	(15)	118,000	2,650	NA	NA

^pPreliminary. ^rRevised. 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 2004 cumulative data estimated based on 2003 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
2004: ^P						
January - September	534,000	303,000 ^r	837,000 ^r	438,000 ^r	411,000 ^r	849,000 ^r
September	62,800	36,400	99,200	49,800	50,800	101,000
October	64,200	39,400	104,000	48,900	56,300	105,000
November	61,400	46,500	108,000	47,600	62,100	110,000
December	63,300	45,200	109,000	50,000	60,300	110,000
Year	723,000	435,000	1,160,000	584,000	590,000	1,170,000
2005:						
January	58,500	39,800	98,300	42,400	57,600	99,900
February	54,200	37,500	91,700	40,800	52,400	93,100
March	62,100	43,200	105,000	47,400	59,600	107,000
April	62,000	39,000	101,000	47,700	55,000	103,000
May	65,300	38,100	103,000	48,800	56,400	105,000
June	61,700	36,000	97,700	48,100	51,100	99,200
July	54,400	36,000	90,400	46,600	45,000	91,600
August	55,200	35,800	91,000	47,300	44,900	92,200
September	53,500	39,900	93,400	47,000	48,000	95,000
January - September	527,000	345,000	872,000	416,000	470,000	886,000

^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
2004: ^P	
January - September	401,000
September	48,000
October	49,200
November	42,300
December	49,900
January - December	542,000
2005:	
January	42,700
February	36,100
March	37,900
April	49,700
May	36,900
June	44,100
July	36,500
August	49,300
September	48,500
January - September	382,000

^PPreliminary.

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		
2004: ^p					
January - September	488,000	438,000	925,000	38,000	964,000
September	57,700	49,800	108,000	4,660	112,000
October	57,400	48,900	106,000	4,540	111,000
November	56,700	47,600	104,000	4,190	109,000
December	69,300	50,000	119,000	4,010	123,000
Year	671,000	584,000	1,260,000	50,800	1,310,000
2005:					
January	54,900	42,400	97,200	4,380	102,000
February	57,400	40,800	98,100	4,380	102,000
March	52,600	47,400	100,000	4,210	104,000
April	53,100	47,700	101,000	4,160	105,000
May	56,100	48,800	105,000	3,750	109,000
June	49,100	48,100	97,200	3,620	101,000
July	49,500 ^r	46,600	96,200	3,940	100,000
August	51,200 ^r	47,300	98,500 ^r	3,590	102,000 ^r
September	49,900	47,000	96,900	3,630	100,000
January - September	474,000	416,000	890,000	35,700	925,000

^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	
2004: ^p									
January - September	12,000	26,000	12,500 ^r	56,300 ^r	513,000 ^r	27,600	18,500 ^r	30,300 ^r	697,000 ^r
September	1,340	3,320	1,390	6,260	55,200	2,690	2,060	3,370	75,600
October	1,340	3,210	1,390	6,260	56,800	2,670	2,060	3,370	77,100
November	1,340	2,850	1,390	6,260	50,500	2,670	2,060	3,370	70,500
December	1,340	2,680	1,390	6,260	48,000	3,300	2,060	3,370	68,400
Year	16,000	34,700	16,700	75,100	669,000	36,300	24,700	40,400	913,000
2005:									
January	1,340	3,050	1,390	6,260	57,700	2,780	2,060	3,370	77,900
February	1,340	3,040	1,390	6,260	54,900	3,110	2,060	3,370	75,500
March	1,340	2,870	1,390	6,260	56,300	2,980	2,060	3,370	76,500
April	1,340	2,820	1,390	6,260	54,200	3,220	2,060	3,370	74,700
May	1,340	2,410	1,390	6,260	54,100	2,550	2,060	3,370	73,500
June	1,340	2,280	1,390	6,260	54,500	2,380	2,060	3,370	73,600
July	1,340	2,610	1,390	6,260	51,000	2,840	2,060	3,370	70,900
August	1,340	2,260	1,390	6,260	56,400 ^r	2,840	2,060	3,370	75,900 ^r
September	1,340	2,300	1,390	6,260	56,800	2,810	2,060	3,370	76,400
January - September	12,000	23,600	12,500	56,300	496,000	25,500	18,500	30,300	675,000

^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 2004 cumulative data estimated based on 2003 annual data.

⁴Does not include an estimate, based on reported 2003 data of 3,040 tons per month from new scrap and 1,830 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
2004: ^p						
January - September	1,060,000	1,380,000	1,060,000	1,370,000 ^r	XX	XX
September	113,000	154,000	113,000	148,000	54,500	35,600
October	120,000	135,000	120,000	148,000	54,400	23,000
November	107,000	148,000	108,000	144,000	52,900	26,600
December	100,000	134,000	97,600	130,000	55,300	31,200
Year	1,390,000	1,800,000	1,390,000	1,790,000	XX	XX
2005:						
January	113,000	141,000	114,000	137,000	55,100	35,100
February	109,000	135,000	110,000	134,000	53,300	35,100
March	117,000	135,000	117,000	149,000	53,600	20,600
April	109,000	143,000	112,000	141,000	50,200	22,000
May	111,000	145,000	110,000	143,000	51,400	23,500
June	115,000	145,000	116,000	145,000	50,300	23,100
July	109,000	148,000	113,000	140,000	46,300	31,000
August	123,000	147,000 ^r	123,000	152,000 ^r	46,200	25,600 ^r
September	121,000	147,000	122,000	148,000	45,700	23,900
January - September	1,030,000	1,280,000	1,040,000	1,290,000	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
2004: ^p				
January - September	441,000	1,370,000 ^r	46,400 ^r	1,860,000 ^r
September	46,100	151,000	5,160	202,000
October	48,200	136,000	5,160	190,000
November	44,700	145,000	5,160	195,000
December	39,200	129,000	5,160	173,000
Year	573,000	1,780,000	61,900	2,410,000
2005:				
January	44,900	145,000	5,160	195,000
February	42,500	129,000	5,160	177,000
March	46,100	134,000	5,160	185,000
April	41,500	143,000	5,160	190,000
May	43,000	132,000	5,160	180,000
June	46,200	141,000	5,160	192,000
July	42,100	146,000	5,160	193,000
August	45,900	151,000 ^r	5,160	202,000 ^r
September:				
Cathodes	29,500	150,000	954	181,000
Wire bars	--	--	(3)	(3)
Ingots and ingot bars	2,050	--	2,130	4,180
Cakes and slabs	(3)	--	(3)	(3)
Billets and other	13,400	109	2,070	15,600
Total	45,000	150,000	5,160	201,000
January - September	397,000	1,270,000	46,400	1,720,000

^pPreliminary. ^rRevised. W Withheld to avoid disclosing company proprietary data included with "Cathodes." -- 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 2003 annual data.

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

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
2004: ^P						
January - August	818,000	139,000 ^r	444,000 ^r	103,000	(477,000) ^r	1,770,000 ^r
August	103,000	16,400	65,500	9,350	(33,200)	208,000 ^r
September	108,000	17,400	73,800	570	(23,100)	222,000 ^r
October	106,000	17,300	60,200	3,890	(12,400)	192,000
November	104,000	16,900	75,300	2,460	(7,870)	202,000
December	119,000	17,400	51,100	8,390	(743)	180,000
Year	1,250,000	208,000	704,000	118,000	(521,000)	2,570,000
2005:						
January	97,200	17,200	77,900	4,460	6,350	182,000
February	98,100	17,600	66,500	3,230	(7,110)	186,000
March	100,000	17,300	72,000	2,830	(6,550)	193,000
April	101,000	17,500 ^r	63,300	1,900	(4,560)	184,000
May	105,000	16,400	101,000	7,240	(12,000)	227,000
June	97,200	16,100	64,100	4,270	(11,700)	185,000
July	96,200	16,900	75,500	3,010	(9,110)	195,000
August	98,500 ^r	16,500 ^r	79,400	2,650	(12,900) ^r	205,000
September	96,900	16,500	NA	NA	144	NA
January - August	793,000	135,000	599,000	29,600	(57,600)	1,560,000

^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 2003 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	
2004: ^P									
January - September	12,100	26,100	16,700 ^r	81,900 ^r	647,000	28,700	32,400 ^r	33,300 ^r	879,000 ^r
September	1,350	3,290	1,850	9,110	70,300	2,820	3,600	3,700	96,000
October	1,350	3,230	1,850	9,110	71,500	2,810	3,600	3,700	97,200
November	1,350	2,890	1,850	9,110	63,300	2,780	3,600	3,700	88,500
December	1,350	2,700	1,850	9,110	60,300	3,440	3,600	3,700	86,000
Year	16,200	34,900	22,200	109,000	843,000	37,700	43,200	44,400	1,150,000
2005:									
January	1,350	3,080	1,850	9,110	72,400	2,910	3,600	3,700	98,000
February	1,350	3,080	1,850	9,110	69,800	3,280	3,600	3,700	95,800
March	1,350	2,900	1,850	9,110	71,800	3,170	3,600	3,700	97,500
April	1,350	2,850	1,850	9,110	68,400	3,370	3,600	3,700	94,200
May	1,350	2,440	1,850	9,110	68,600	2,710	3,600	3,700	93,400
June	1,350	2,310	1,850	9,110	70,200	2,550	3,600	3,700	94,700
July	1,350	2,640	1,850	9,110	64,300	2,980	3,600	3,700	89,500
August	1,350	2,280	1,850	9,110	71,400 ^r	2,980	3,600	3,700	96,300 ^r
September	1,350	2,320	1,850	9,110	71,700	2,990	3,600	3,700	96,700
January - September	12,100	23,900	16,700	81,900	629,000	26,900	32,400	33,300	856,000

^PPreliminary. ^rRevised.

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

²Monthly data and 2004 cumulative data estimated from 2003 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	2004 ^P		2005			
	January - September	Year	July	August	September	January - September
No. 1 wire and heavy:						
Smelters and refiners	51,400 ^r	68,500	5,710	5,710	4,880	50,600
Brass and wire-rod mills	301,000 ^r	394,000	30,100	32,100	32,700	284,000
No. 2 mixed heavy and light:						
Smelters and refiners	20,000 ^r	26,800	1,960	1,610	1,480	17,700
Brass and wire-rod mills	5,100	6,250	458	502	510	4,240
Total unalloyed scrap:						
Smelters and refiners	71,400 ^r	95,300	7,670	7,310	6,360	68,200
Brass and wire-rod mills	306,000 ^r	401,000	30,500	32,600	33,200	288,000
Red brass:³						
All plants	29,800 ^r	39,300	3,050	3,410	3,570	29,000
Leaded yellow brass:						
All plants	248,000 ^r	322,000	14,300	16,200	16,900	144,000
Yellow and low brass:						
All plants	31,100 ^r	41,300	13,000	14,700	13,900	131,000
Cartridge cases and brass:						
All plants	65,700 ^r	86,600	7,370	8,310	8,250	72,000
Auto radiators:						
Smelters and refiners	20,000 ^r	26,700	2,230	2,230	2,080	19,900
Bronzes:						
Smelters and refiners	6,300 ^r	8,390	699	699	699	6,290
Brass mills	4,840 ^r	6,350	473	474	430	4,160
Nickel-copper alloys:						
All plants	16,100	20,000	1,590	1,420	1,680	14,400
Low grade and residues:						
Smelters and refiners	9,450 ^r	12,600	1,050	1,050	1,050	9,450
Other alloy scrap:⁴						
Smelters and refiners	826 ^r	1,100	92	92	92	828
Brass mills	3,860 ^r	4,860	332	332	332	3,330
Total alloyed scrap:						
Smelters and refiners	66,800 ^r	89,100	7,420	7,420	7,420	66,800
Brass mills	370,000	480,000	36,800	41,500	41,500	368,000
Total scrap:						
Smelters and refiners	138,000 ^r	184,000	15,100	14,700	13,800	135,000
Brass and wire-rod mills	676,000 ^r	880,000	67,300	74,200	74,700	655,000

^PPreliminary. ^rRevised.

¹Does not include: consumption by foundries, chemical plants, and miscellaneous manufacturers, estimated to total about 7,300 tons of scrap per month based on 2003 annual data; monthly data include estimates of about 11,000 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					LME ⁶	Total refined
		Refineries ³	Wire-rod mills ³	Brass mills ³	Other ⁴	Comex ⁵		
2004: ^p								
September	71,600	7,830	15,200	24,900	4,870	44,900	59,000	157,000
October	72,200	9,210	25,200	20,300	4,870	41,300	43,400	144,000
November	70,600	13,100	24,300	18,200	4,870	38,500	37,500	136,000
December	51,400	10,400 ^r	20,300	21,500	4,870	43,700	35,000	136,000
2005:								
January	66,100	12,300	24,300	24,100	4,870	41,600	34,900	142,000
February	46,700	10,600	20,800	22,300	4,870	42,500	33,900	135,000
March	42,300	6,820	25,000	20,900	4,870	39,300	31,500	128,000
April	42,500	8,200	31,100	20,300	4,870	27,300	32,100	124,000
May	38,200	9,680	29,600	19,300	4,870	20,200	28,200	112,000
June	45,200	5,810	32,600	20,600	4,870	13,900	22,400	100,000
July	33,300	8,330	29,800	19,900	4,870	9,970	18,200	91,000
August	43,800	5,550 ^r	28,200	20,700	4,870	6,910 ^r	11,900	78,100 ^r
September	49,700	5,470	28,300	21,200	4,870	8,420	10,000	78,200

^pPreliminary. ^rRevised.

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

²Copper content of blister and other materials in transit and in process of refining.

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

⁴Monthly estimates based on reported and 2003 annual data, comprising stocks at ingot makers, chemical plants, foundries, and miscellaneous manufacturers.

⁵Commodity 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
2004:			
September	136.680	131.414	131.283
October	140.273	135.007	136.575
November	146.599	141.333	141.620
December	150.897	145.631	142.633
Year	133.938	128.972	129.958
2005:			
January	150.261	144.995	143.751
February	151.905	146.639	147.544
March	153.946	148.680	153.268
April	154.606	149.340	153.938
May	153.256	147.990	147.331
June	167.452	162.186	159.807
July	168.484	163.218	163.909
August	176.905	171.639	172.230
September	180.623	175.350	174.959
January - September	161.938	156.671	157.415

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
2004:				
September	127.29	106.19	89.00	55.00
October	130.43	113.38	89.00	55.00
November	135.40	118.15	89.00	55.00
December	139.14	121.00	89.00	55.00
Year	126.41	107.62	86.86	55.14
2005:				
January	139.40	119.50	89.00	55.00
February	139.89	121.67	89.00	55.00
March	142.52	123.43	89.00	55.00
April	143.52	126.00	89.00	55.00
May	138.24	124.76	89.00	55.00
June	137.23	124.82	93.09	59.09
July	153.40	141.60	99.00	65.00
August	142.26	126.52	99.00	65.00
September	142.86	128.38	99.00	65.00
January - September	142.15	126.30	92.79	58.79

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		
	2005			2005			2005			2005		
	2004	August	January - August	2004	August	January - August	2004	August	January - August	2004	August	January - August
Brazil	--	--	--	--	--	--	--	--	10	15,600	2,000	18,000
Canada	516	--	2	99	14	83	75,500	6,750	56,200	278,000	29,400	213,000
Chile	--	--	--	--	--	--	48,900	2,490	26,100	311,000	30,800	232,000
Germany	--	--	--	--	--	38	--	12	12	21,000	3,510	19,500
Mexico	22,400	--	221	206	--	37	8,630	--	3,870	19,300	--	27,000
Namibia	--	--	--	--	--	--	7,710	--	--	--	--	--
Peru	--	--	--	--	--	--	10,200	--	--	152,000	12,700	100,000
Taiwan	--	--	--	1,330	118	820	--	--	--	(2)	--	--
Other	--	--	--	45	--	97	35	--	1	10,500	967	7,530
Total	22,900	--	223	1,680	132	1,080	151,000	9,250	86,200	807,000	79,400	618,000

-- Zero.

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

²Less than 1/2 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			Matte, ash and precipitates			Blister and anodes			Refined		
	2005			2005			2005			2005		
	2004	August	January - August	2004	August	January - August	2004	August	January - August	2004	August	January - August
Belgium	6	2	41	45	--	37	1,320	--	675	998	--	49
Canada	18,200	1,860	10,800	18,800	2,570	14,600	22,400	1,740	13,500	2,230	122	1,590
China	2,340	10,500	48,300	52	948	5,690	307	40	246	23,900	1,210	14,700
Costa Rica	--	--	3	--	(2)	(2)	--	--	--	1,300	--	1
Germany	32	--	--	23	(2)	18	1,880	103	592	70	17	150
Hong Kong	229	--	2	12	--	1	3,410	178	2,170	11	(2)	(2)
India	56	--	149	21	--	1	164	--	41	2,940	422	5,370
Italy	--	--	--	--	--	18	1,570	799	2,970	21,100	--	14
Japan	2,510	5,750	16,100	122	--	68	705	169	1,510	66	--	5
Korea, Republic of	23	--	1	8	--	2	8,910	19	286	5,060	6	89
Mexico	115	--	6,380	2,650	14	596	221	1,150	2,640	20,500	850	6,570
Saudi Arabia	--	--	--	--	--	--	--	--	11	7,840	--	11
Singapore	--	--	19	19	3	19	654	--	329	39	--	13
Spain	308	--	1,630	--	--	--	347	--	162	--	--	--
Sweden	--	--	--	--	--	--	399	25	1,080	3	--	--
Taiwan	109	--	15	5	8	10	1,320	20	937	29,000	--	55
Other	311	47	215	333 ^r	13	143	2,830	190	783	3,190 ^r	26	995
Total	24,200	18,200	83,600	22,100	3,560	21,200	46,400	4,440	27,900	118,000	2,650	29,600

^rRevised. -- Zero.

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

²Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 16
U.S. COPPER SCRAP IMPORTS¹

(Metric tons, gross weight)

Country or territory	Unalloyed			Alloyed		
	2004	2005		2004	2005	
		August	January- August		August	January- August
Canada	6,370	422	4,170	44,500	3,950	2,990
China	1	--	--	448		63
Costa Rica	1,400	164	1,320	516	40	244
Germany	48	--	68	1,130	--	1
Guatemala	271	--	37	1,050	68	878
Honduras	1,430	94	1,110	625	112	386
Jamaica	429	21	175	182	17	87
Japan	65	15	39	145	--	82
Mexico	10,300	1,300	8,200	22,100	2,030	15,900
Taiwan	--	2	2	1,480	37	161
United Kingdom	554	20	198	1,030	139	680
Other	2,570	196	1,420	5,060	918	4,960
Total	23,400	2,240	16,700	78,300	7,310	26,400

-- 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					
	2004	2005						2004	2005			
		No. 1		No. 2		Other			Segregated		Unsegregated	
		January- August	January- August	January- August	January- August	January- August	January- August		August	August	August	August
Belgium	3,850	--	--	--	1	34	395	8,200	110	836	443	3,060
Canada	33,300	--	--	--	--	1,920	16,000	15,000	267	2,050	927	5,430
China	222,000	9,790	55,200	9,870	69,900	6,720	38,300	239,000	8,270	61,500	9,180	60,300
Germany	8,830	154	598	--	320	751	5,570	13,800	95	1,280	476	4,610
Hong Kong	3,910	569	2,870	205	1,450	40	392	11,000	244	2,540	684	5,240
India	4,160	44	326	--	240	310	2,400	45,100	897	9,830	137	861
Japan	7,930	--	21	--	626	612	3,660	9,660	324	3,230	82	1,270
Korea, Republic of	22,400	638	3,850	782	6,500	1,030	6,460	16,300	471	6,490	--	1,500
Mexico	4,560	208	458	--	200	--	195	1,570	94	366	109	266
Spain	37	--	2	2	140	--	2	2,740	21	248	335	1,350
Taiwan	11,300	226	840	307	3,920	330	2,290	13,700	1,130	4,880	52	833
Thailand	--	--	--	--	--	40	480	1,250	38	404	14	14
United Kingdom	34	--	--	--	--	--	107	4,560	69	168	--	1,830
Other	2,990	1	35	--	192	56	456	7,210	989	4,880	--	810
Total	325,000	11,600	64,200	11,200	83,500	11,800	76,700	389,000	13,000	98,700	12,400	87,300

-- Zero.

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

Source: U.S. Census Bureau.