

Mineral Industry Surveys

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COPPER IN OCTOBER 2007

Average daily mine production of recoverable copper in October 2007 declined by almost 6% from that in September, according to data compiled by the U.S. Geological Survey, principally owing to lower output from Freeport-McMoRan Copper & Gold Inc.'s (FCX) Arizona mines. According to FCX, production of copper from their North American operations during the fourth quarter of 2007 declined by about 14,000 metric tons (t) from that during the third quarter, and cash production costs rose to \$0.98 per pound of copper from \$0.84 per pound in the third quarter and from \$0.78 per pound in the fourth quarter of 2006. Higher cash costs were attributed to the mining of additional tonnage, lower recovery rates, and higher energy, labor, maintenance, and supply costs at the Morenci and Bagdad Mines in Arizona. Increases were partly offset by higher byproduct credits, principally molybdenum (Freeport-McMoRan Copper & Gold Inc., 2007; 2008).

Consumption of refined copper at wire-rod mills in October 2007 rebounded by 25% from the low level in September and was essentially equal to that of August. In light of lower reported consumption and higher refined production, imports of refined copper for the first 9 months of 2007 fell to 650,000 t from 862,000 t in the first 9 months of 2006.

References Cited

- Freeport-McMoRan Copper & Gold Inc., 2007, Freeport-McMoRan Copper & Gold Inc. reports third-quarter and nine-months 2007 results: Phoenix, AZ, Freeport-McMoRan Copper & Gold Inc. news release, October 24, 14 p.
- Freeport-McMoRan Copper & Gold Inc., 2008, Freeport-McMoRan Copper & Gold Inc. reports fourth-quarter and year ended December 31, 2007 results: Phoenix, AZ, Freeport-McMoRan Copper & Gold Inc. news release, January 23, 14 p.

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

(Metric tons, unless otherwise specified)

	Source table ²	2006 ^P	2007		
			September	October	January - October
Production:					
Primary:					
Mine, recoverable	(2)	1,200,000	99,200	96,800	972,000
Refinery:					
Electrolytic, domestic and foreign	(4)	675,000	64,500	75,100	656,000
Electrowon	(4)	530,000	39,800	39,100	422,000
Total	(4)	1,210,000	104,000	114,000	1,080,000
Secondary recoverable copper:					
Refineries	(5)	44,800	3,460	3,420	35,100
Ingot makers ³	(5)	94,200	7,850	7,850	78,500
Brass and wire-rod mills	(5)	719,000	53,000	55,700	566,000
Foundries, etc. ³	(5)	59,400	4,950	4,950	49,500
Smelter, total	(3)	501,000	50,000	47,000	521,000
Consumption:					
Apparent	(8)	2,210,000	195,000	NA	NA
Refined (reported)	(7)	2,130,000	162,000	191,000	1,840,000
Purchased copper-base scrap	(9)	1,170,000	88,700	91,800	927,000
Stocks at end of period:					
Total refined	(11)	196,000	102,000	106,000	XX
Blister, etc.	(11)	18,800	28,900	21,500	XX
Price, U.S. producer cathode (cents per pound) ⁴	(12)	314.751	351.442	364.713	330.923
Imports:⁵					
Ores and concentrates ⁶	(14)	192	--	NA	NA
Refined	(14)	1,070,000	68,500	NA	NA
Exports:⁵					
Ores and concentrates ⁶	(15)	108,000	5,680	NA	NA
Refined	(15)	106,000	5,350	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-October	590,000	405,000	995,000 ^r	442,000	573,000 ^r	1,020,000
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
August	65,400	34,000	99,400	43,400	58,500	102,000
September	62,100	37,100	99,200	39,800	61,700	101,000
October	58,800	37,900	96,800	39,100	59,700	98,800
January-October	608,000	364,000	972,000	422,000	571,000	993,000

^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-October	416,000
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
August	52,400
September	50,000
October	47,000
January-October	521,000

^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		
2006: ^P					
January-October	568,000	442,000	1,010,000 ^r	37,300	1,050,000 ^r
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	40,900	97,000	3,880	101,000
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
August	70,400	43,400	114,000	3,380	117,000
September	64,500	39,800	104,000	3,460	108,000
October	75,100	39,100	114,000	3,420	118,000
January-October	656,000	422,000	1,080,000	35,100	1,110,000

^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-October	13,400	24,000	20,100 ^r	58,400	605,000	10,900	18,800 ^r	30,700 ^r	781,000
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
August	1,340	2,040	2,010	5,840	53,900	697	1,880	3,070	70,800
September	1,340	2,130	2,010	5,840	52,300	697	1,880	3,070	69,300
October	1,340	2,080	2,010	5,840	55,000	697	1,880	3,070	71,900
January-October	13,400	21,700	20,100	58,400	559,000	7,270	18,700	30,700	729,000

^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-October	1,130,000	1,380,000	1,130,000	1,390,000	XX	XX
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	107,000	138,000	45,900	24,900
February	109,000	135,000	110,000	131,000	48,400	28,900
March	111,000	145,000	112,000	150,000	44,900	23,100
April	108,000	144,000	109,000	143,000	44,100	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
August	104,000	149,000	105,000	148,000	40,500	24,800
September	101,000	119,000	102,000	125,000	42,100	18,000
October	98,000	149,000	96,500	146,000	39,900	22,100
January-October	1,050,000	1,400,000	1,060,000	1,400,000	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-October	417,000 ^r	1,380,000	54,300 ^r	1,850,000
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	38,200	129,000	5,430	172,000
March	42,500	143,000	5,430	191,000
April	43,000	142,000	5,430	191,000
May	42,000	144,000	5,430	192,000
June	43,300	146,000	5,430	194,000
July	38,900	131,000	5,430	175,000
August	38,400	148,000	5,430	192,000
September	38,300	118,000	5,430	162,000
October:				
Cathodes	25,100	147,000	956	173,000
Wire bars	--	--	(3)	(3)
Ingots and ingot bars	2,020	--	2,460	4,480
Cakes and slabs	3,550	--	(3)	3,550
Billets and other	7,840	--	2,010	9,850
Total	38,500	147,000	5,430	191,000
January-October	402,000	1,390,000	54,300	1,840,000

^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-October	1,010,000 ^r	136,000	958,000	87,300	45,200 ^r	1,970,000
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	13,300	87,300	3,120	1,240	193,000
February	93,200	12,800	76,400	2,680	(4,690)	185,000
March	112,000	12,100	68,400	5,140	(18,500)	206,000
April	109,000	13,000	65,800	3,630	(21,300)	206,000
May	112,000	13,600	80,100	3,920	(34,800)	237,000
June	109,000	13,600	58,900	6,550	(13,100)	188,000
July	113,000	13,600	66,600	3,600	320	189,000
August	114,000	13,500	77,700	3,380	(2,550)	204,000
September	104,000	13,600	80,900	5,350	(1,150)	195,000
October	114,000	13,600	NA	NA	4,070	NA
January-October	1,080,000	133,000	NA	NA	(90,500)	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-October	13,500	24,000	40,100 ^r	80,500	756,000	11,400	33,400 ^r	34,700 ^r	993,000
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
August	1,350	2,390	4,020	8,050	67,000	704	3,340	3,470	90,300
September	1,350	2,390	4,020	8,050	65,400	704	3,340	3,470	88,700
October	1,350	2,390	4,020	8,050	68,500	704	3,340	3,470	91,800
January-October	13,500	23,900	40,200	80,500	694,000	7,490	33,400	34,700	927,000

^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-October	August	September	October	January-October
No. 1 wire and heavy:						
Smelters and refiners	72,700	60,600 ^r	5,690	5,690	5,690	51,200
Brass and wire-rod mills	400,000	341,000	30,600	29,300	30,800	323,000
No. 2 mixed heavy and light:						
Smelters and refiners	28,300	23,600 ^r	3,140	3,220	3,180	31,100
Brass and wire-rod mills	13,600	11,500	1,380	1,060	1,210	11,700
Total unalloyed scrap:						
Smelters and refiners	101,000	84,200 ^r	8,830	8,920	8,870	82,300
Brass and wire-rod mills	413,000	353,000	32,000	30,400	32,000	334,000
Red brass:³						
All plants	35,400	29,800 ^r	2,850	2,890	2,980	28,500
Leaded yellow brass:						
All plants	185,000	158,000	11,300	14,300	13,200	140,000
Yellow and low brass:						
All plants	176,000	153,000 ^r	14,900	12,400	13,500	131,000
Cartridge cases and brass:						
All plants	93,900	79,900 ^r	8,050	7,480	8,600	77,500
Auto radiators:						
Smelters and refiners	24,300	20,300 ^r	2,030	2,030	2,030	20,300
Bronzes:						
Smelters and refiners	10,300	8,620 ^r	862	862	862	8,620
Brass mills	7,110	5,950	360	404	412	3,860
Nickel-copper alloys:						
All plants	18,500	16,100 ^r	1,060	1,030	1,340	12,200
Low grade and residues:						
Smelters and refiners	35,000	29,100 ^r	2,910	2,910	2,910	29,100
Other alloy scrap:⁴						
Smelters and refiners	1,180	990 ^r	99	99	99	991
Brass mills	5,400	4,500 ^r	450	450	450	4,500
Total alloyed scrap:						
Smelters and refiners	109,000	90,500 ^r	9,050	9,050	9,050	90,500
Brass mills	484,000	416,000	35,800	35,900	37,300	366,000
Total scrap:						
Smelters and refiners	210,000	175,000 ^r	17,900	18,000	17,900	173,000
Brass and wire-rod mills	897,000	768,000	67,900	66,200	69,300	700,000

^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 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								
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	10,000	5,750	32,600	94,300	198,000
February	22,300	15,400	28,600	11,600	5,750	37,000	94,500	193,000
March	24,400	12,900	26,600	11,300	5,750	33,100	84,600	174,000
April	26,000	12,900	23,000	10,900	5,750	30,100	70,400	153,000
May	27,000	8,190	13,600	10,900	5,750	24,700	55,200	118,000
June	33,500	6,960	22,300	10,000	5,750	20,100	40,000	105,000
July	29,900	6,940	32,900	11,800	5,750	19,600	28,400	105,000
August	30,100	8,680	28,400	10,900	5,750	18,800	30,300	103,000
September	28,900	16,600	21,200	10,700	5,750	18,200	29,200	102,000
October	21,500	12,500	22,700	10,400	5,750	17,800	37,200	106,000

^pPreliminary.

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:			
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
August	342.609	336.783	340.699
September	351.442	345.616	346.887
October	364.713	358.887	363.208
January-October	330.923	325.097	325.925

¹Listed as "U.S. producer cathode."

²Listed as "Comex high grade first position."

Sources: Platts Metals Week.

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:				
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
August	319.17	273.07	246.85	148.87
September	330.63	295.74	240.66	146.53
October	343.52	305.57	252.63	150.74
January-October	313.95	283.49	220.21	135.92

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						
	2007		January-September	2007		January-September	2007			2007			
	2006	September		2006	September		2006	September	January-September	2006	September	January-September	
Austria	--	--	--	--	--	--	--	--	--	--	1,510	--	--
Belgium	--	--	--	13	--	--	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--	--	--	--	20,200	--	13,000
Canada	191	--	35	585	--	204	87,800	7,680	64,600	256,000	20,100	175,000	
Chile	--	--	--	--	--	--	79,100	915	42,700	521,000	32,600	290,000	
Finland	--	--	--	--	--	--	967	53	556	--	--	5	
Germany	--	--	--	(2)	--	--	8	--	(2)	25,200	525	9,090	
Japan	--	--	--	--	--	--	(2)	--	--	5,850	297	4,430	
Kazakhstan	--	--	--	--	--	--	--	--	19	49,300	--	--	
Mexico	--	--	--	22	--	--	2,810	596	4,940	28,800	689	50,100	
Peru	--	--	27	--	--	--	--	--	--	158,000	10,200	103,000	
Taiwan	--	--	--	1,170	102	795	--	--	--	--	--	5	
Other	1	--	1	124	27	291	21	915	42,700	7,950	4,010	4,300	
Total	192	--	62	1,910	129	1,290	171,000	9,240	113,000	1,070,000	68,500	650,000	

-- 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			2007		
	2007		January - September	2007		January - September	2007		January - September	2007		January - September
	2006	September		2006	September		2006	September		2006	September	
Australia	--	--	--	1,840	--	--	70	15	45	64	2	32
Belgium	--	--	25	75	--	13	461	30	194	--	--	213
Canada	23,300	805	4,570	71,600	5,160	50,900	4,410	183	2,880	81,500	505	8,330
China	37,000	1,480	34,000	6,360	13	35	388	15	437	11,000	3,460	14,800
Costa Rica	--	--	--	10	--	(3)	(3)	(3)	2	14	--	20
Germany	--	--	560	2	--	46	1,360	200	1,520	126	15	534
Hong Kong	--	--	--	6	--	--	3,920	257	1,920	66	--	70
India	5,200	--	--	3	--	--	171	9	180	5,090	995	6,560
Japan	19,200	--	16,800	2	--	--	812	2	443	(3)	--	--
Korea, Republic of	2,980	2,930	3,520	11	--	35	946	207	1,130	123	24	108
Mexico	20,000	468	4,560	13,800	--	--	337	5	25	5,230	19	3,520
Saudi Arabia	--	--	--	--	--	--	--	--	5	93	110	120
Singapore	--	--	--	44	10	35	421	20	134	11	--	7
Spain	104	--	16	--	--	--	253	--	60	59	--	273
Sweden	1	--	--	--	--	--	1,820	--	236	164	(3)	--
Taiwan	16	--	3,620	15	--	11	1,590	60	900	191	--	49
Other	52	4	34	1,810	--	83	1,980	254	1,130	2,330	222	3,010
Total	108,000	5,680	67,700	95,600	5,150	51,200	18,900	1,260	11,200	106,000	5,350	37,400

-- 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 IMPORTS¹

(Metric tons, gross weight)

Country or territory	Unalloyed			Alloyed		
	2007		January- September	2007		January- September
	2006	September		2006	September	
Brazil	--	--	--	261	--	60
Canada	7,740	573	6,620	43,900	2,610	24,300
China	1	--	6	597	4	42
Costa Rica	1,760	60	906	1,740	106	1,790
Germany	35	26	112	2	2	19
Guatemala	190	--	202	2,310	113	1,310
Honduras	1,700	128	1,010	821	61	532
Jamaica	364	64	256	167	42	308
Japan	104	--	39	32	--	40
Mexico	6,920	488	4,470	29,600	2,380	22,300
Nicaragua	874	81	583	443	27	329
Singapore	--	--	--	367	--	74
Taiwan	--	--	--	231	18	67
United Kingdom	183	--	100	646	36	566
Other	5,060	2,160	22,500	11,500	430	4,610
Total	24,900	3,580	36,900	92,600	5,840	56,200

-- 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				
	2006	2007						2006	2007			
		No. 1		No. 2		Other			Segregated		Unsegregated	
		September	January - September	September	January - September	September	January - September		September	January - September	September	January - September
Belgium	1,380	--	1,400	15	504	16	314	12,700	54	836	1,040	10,400
Canada	71,700	--	--	--	--	867	8,500	38,800	320	5,280	2,430	24,200
China	247,000	1,730	19,200	11,600	95,900	5,130	47,100	257,000	9,160	71,500	25,900	224,000
Germany	15,200	160	1,210	115	1,370	748	4,300	15,400	36	252	730	5,520
Hong Kong	7,060	--	296	545	4,890	53	1,630	11,600	37	683	1,870	12,600
India	1,600	19	37	--	--	1,830	10,600	10,700	584	5,930	40	2,070
Japan	7,730	19	690	118	740	488	15,500	8,020	419	2,300	480	4,710
Korea, Republic of	20,700	626	7,810	478	4,350	795	5,950	13,000	303	2,000	630	13,100
Mexico	815	--	41	--	4	33	309	6,770	19	784	146	1,620
Spain	386	--	--	213	697	--	--	9,340	--	--	1,470	10,900
Taiwan	22,300	58	1,950	296	3,800	--	9,700	9,930	186	1,810	258	7,520
Thailand	201	--	19	--	--	79	693	331	--	--	4	64
United Kingdom	105	--	2	--	--	--	19	482	2	89	30	317
Other	2,770	567	2,380	70	701	473	6,090	10,300	574	5,790	1,650	11,400
Total	399,000	3,180	35,100	13,500	113,000	10,500	100,000	404,000	11,700	97,300	36,700	324,000

-- Zero.

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

Source: U.S. Census Bureau.