

Mineral Industry Surveys

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COPPER IN JANUARY THROUGH JUNE 2008

Mine production of recoverable copper in the first 6 months of 2008 rose by 4% compared with production during the second half of 2007, according to data compiled by the U.S. Geological Survey. Smelter production was down by about 8%, and production of refined copper was essentially unchanged over the same comparative periods. A maintenance shutdown at one of the three operating smelters reduced anode production during the first quarter. Consumption of refined copper during the first 6 months of 2008 rose by 7% compared with

consumption in the second half of 2007, but remained about 2% below that for the first half of 2007.

Copper prices trended upward for the first 4 months of 2008, with exchange and producer prices rising to record-high levels of more than \$4 per pound of copper in April before falling back slightly in May and June. The COMEX price averaged \$3.67 per pound of copper for the first 6 months of the year, up from \$3.36 per pound during the second half of 2007.

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

(Metric tons, unless otherwise specified)

	Source table ²	2008			
		2007	January	February	March
Production:					
Primary:					
Mine, recoverable	(2)	1,170,000	97,600	96,500	98,800
Refinery:					
Electrolytic:					
Domestic and foreign	(4)	764,000	64,300	66,100	62,300
Electrowon	(4)	504,000	40,100	38,600	41,800
Total	(4)	1,270,000	104,000	105,000	104,000
Secondary recoverable copper:					
Refineries	(5)	46,000	4,110	4,160	4,120
Ingot makers ³	(5)	90,400	7,530	7,530	7,530
Brass and wire-rod mills	(5)	670,000	54,400	51,900	54,100
Foundries, etc. ³	(5)	44,400	3,700	3,700	3,700
Smelter, total	(3)	617,000	47,500	46,000	39,000
Consumption:					
Apparent	(8)	2,270,000	203,000	180,000	184,000
Refined (reported)	(7)	2,140,000	196,000	182,000	191,000
Purchased copper-base scrap	(9)	1,070,000	89,100	87,000	90,000
Stocks at end of period:					
Total refined	(11)	133,000	100,000	90,100	71,100
Blister, etc.	(11)	26,300	29,000	21,100	15,700
Prices, U.S. producer cathode (cents per pound) ⁴	(12)	328.002	326.000	364.781	386.934
Imports:⁵					
Ores and concentrates ⁶	(14)	841	10	1	400
Refined	(14)	829,000	58,600	57,800	53,600
Exports:⁵					
Ores and concentrates ⁶	(15)	302,000	8,560	50,100	20,000
Refined	(15)	51,100	5,980	5,680	6,280

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	2008			January- June
		April	May	June	
Production:					
Primary:					
Mine, recoverable	(2)	108,000	108,000	111,000	620,000
Refinery:					
Electrolytic:					
Domestic and foreign	(4)	58,100	63,700	58,200	373,000
Electrowon	(4)	39,600	39,200	39,200	238,000
Total	(4)	97,700	103,000	97,400	611,000
Secondary recoverable copper:					
Refineries	(5)	4,330	4,630	4,950	26,300
Ingot makers ³	(5)	7,530	7,530	7,530	45,200
Brass and wire-rod mills	(5)	52,800	53,300	52,400	319,000
Foundries, etc. ³	(5)	3,700	3,700	3,700	22,200
Smelter, total	(3)	50,400	49,600	44,400	277,000
Consumption:					
Apparent	(8)	177,000	179,000	160,000	1,080,000
Refined (reported)	(7)	175,000	170,000	176,000	1,090,000
Purchased copper-base scrap	(9)	88,100	88,200	87,100	529,000
Stocks at end of period:					
Total refined	(11)	62,700	62,100	61,600	XX
Blister, etc.	(11)	15,100	14,300	30,500	XX
Prices, U.S. producer cathode (cents per pound)⁴	(12)	399.765	383.247	374.800	372.588
Imports:⁵					
Ores and concentrates ⁶	(14)	12	--	41	463
Refined	(14)	59,800	63,600	48,900	342,000
Exports:⁵					
Ores and concentrates ⁶	(15)	36,000	12,600	16,300	144,000
Refined	(15)	3,180	1,870	1,360	24,300

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 estimated based on 2007 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
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	36,100	95,000	42,500	54,300	96,800
April	60,200	37,300	97,500	43,100	56,300	99,500
May	63,500	39,800	103,000	45,000	60,200	105,000
June	63,000	34,600	97,600	44,300	55,300	99,600
July	65,500	35,200	101,000	45,300	57,400	103,000
August	66,300	33,500	99,800	43,700	58,600	102,000
September	62,800	36,500	99,300	39,900	61,600	101,000
October	62,100	38,100	100,000	41,900	60,400	102,000
November	60,100	37,100	97,200	39,500	59,800	99,300
December	59,200	37,900	97,100	39,600	59,800	99,500
January-December	731,000	438,000	1,170,000	504,000	690,000	1,190,000
2008:						
January	61,900	35,600	97,600	40,100	59,400	99,500
February	58,000	38,500	96,500	38,600	59,900	98,500
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
January-June	389,000	231,000	620,000	238,000	394,000	633,000

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
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
November	46,700
December	49,500
January-December	617,000
2008:	
January	47,500
February	46,000
March	39,000
April	50,400
May	49,600
June	44,400
January-June	277,000

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		
2007	764,000	504,000	1,270,000	46,000 ^r	1,310,000
2008:					
January	64,300	40,100	104,000	4,110	109,000
February	66,100	38,600	105,000	4,160	109,000
March	62,300	41,800	104,000	4,120	108,000
April	58,100	39,600	97,700	4,330	102,000
May	63,700	39,200	103,000	4,630	107,000
June	58,200	39,200	97,400	4,950	102,000
January-June	373,000	238,000	611,000	26,300	637,000

^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	
2007	23,600 [†]	22,500 [†]	15,000 [†]	75,400 [†]	661,000	8,710	22,800 [†]	21,600 [†]	851,000 [†]
2008:									
January	2,110	2,000	1,250	6,280	53,000	1,420	1,900	1,800	69,800
February	2,110	2,050	1,250	6,280	50,500	1,420	1,900	1,800	67,300
March	2,090	2,030	1,250	6,280	52,700	1,420	1,900	1,800	69,500
April	2,250	2,090	1,250	6,280	51,400	1,420	1,900	1,800	68,300
May	2,520	2,110	1,250	6,280	51,900	1,420	1,900	1,800	69,100
June	2,630	2,320	1,250	6,280	51,000	1,450	1,900	1,800	68,600
January-June	13,700	12,600	7,510	37,700	310,000	8,530	11,400	10,800	413,000

[†]Revised.

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 2007 cumulative data estimated based on 2007 annual data.

⁴Does not include an estimate, based on reported 2007 data of 3,670 tons per month from new scrap and 2,270 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
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	103,000	119,000	102,000	125,000	42,100	18,000
October	98,000	149,000	96,500	145,000	39,900	22,100
November	82,800	119,000	83,100	118,000	39,700	23,000
December	91,100	108,000	94,800	110,000	36,000	21,200
January-December	1,230,000	1,630,000	1,240,000	1,630,000	XX	XX
2008:						
January	104,000	145,000	104,000	140,000	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
January-June	612,000	824,000	614,000	818,000	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
2007:				
January	39,300	138,000	4,210 ^r	182,000 ^r
February	38,200	129,000	4,210 ^r	171,000
March	42,500	143,000	4,210 ^r	190,000
April	43,000	142,000	4,210 ^r	189,000
May	42,000	144,000	4,210 ^r	191,000
June	43,300	146,000	4,210 ^r	193,000
July	38,900	131,000	4,210 ^r	174,000
August	38,400	148,000	4,210 ^r	191,000
September	38,300	118,000	4,210 ^r	161,000
October	38,500	147,000	4,210 ^r	190,000
November	36,000	117,000	4,210 ^r	157,000
December	37,800	106,000	4,210 ^r	148,000
January-December	476,000	1,610,000	50,600 ^r	2,140,000
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:				
Cathodes	28,400	133,000	679	162,000
Wire bars	--	--	(3)	(3)
Ingots and ingot bars	2,020	--	1,630	3,650
Cakes and slabs	3,730	--	(3)	3,730
Billets and other	6,760	--	451	7,210
Total	40,900	133,000	2,760	176,000
January-June	249,000	817,000	23,800	1,090,000

^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 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
2007:						
January	97,000	11,900 ^r	93,100	3,120	1,240	198,000
February	93,200	11,800 ^r	74,300	2,680	(4,690)	181,000 ^r
March	112,000	12,500 ^r	67,400	5,140	(18,500)	206,000 ^r
April	109,000	13,300 ^r	65,800	3,630	(26,000)	211,000 ^r
May	112,000	13,100 ^r	80,100	3,920	(32,000)	234,000 ^r
June	109,000	13,200 ^r	58,900	6,550	(11,200)	186,000 ^r
July	113,000	13,100 ^r	66,600	3,600	(1,460)	190,000 ^r
August	114,000	13,100 ^r	77,700	3,380	(771)	202,000 ^r
September	104,000	13,200 ^r	68,500	5,350	(1,150)	182,000 ^r
October	117,000	13,100 ^r	66,900	7,120	4,070	186,000 ^r
November	88,000	13,300 ^r	54,500	3,000	6,870	146,000 ^r
December	99,200	13,200 ^r	57,900	3,620	20,000	147,000 ^r
January-December	1,270,000	155,000 ^r	832,000	51,100	(63,700)	2,270,000 ^r
2008:						
January	104,000	13,800	58,600	5,980	(32,600)	203,000
February	105,000	13,800	57,800	5,680	(9,910)	180,000
March	104,000	13,800	53,600	6,280	(19,000)	184,000
April	97,700	13,900	59,800	3,180	(8,440)	177,000
May	103,000	13,900	63,600	1,870	(544)	179,000
June	97,400	14,100	48,900	1,360	(496)	160,000
January-June	611,000	83,300	342,000	24,300	(71,000)	1,080,000

^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	
2007:									
January	1,370	2,390	2,600 ^r	8,750 ^r	66,800	750	3,360 ^r	1,950 ^r	88,000 ^r
February	1,370	2,390	2,600 ^r	8,750 ^r	67,300	861	3,360 ^r	1,950 ^r	88,600 ^r
March	1,370	2,390	2,600 ^r	8,750 ^r	77,500	793	3,360 ^r	1,950 ^r	98,700 ^r
April	1,370	2,390	2,600 ^r	8,750 ^r	71,700	809	3,360 ^r	1,950 ^r	92,900 ^r
May	1,370	2,390	2,600 ^r	8,750 ^r	72,200	704	3,360 ^r	1,950 ^r	93,300 ^r
June	1,370	2,390	2,600 ^r	8,750 ^r	72,200	704	3,360 ^r	1,950 ^r	93,300 ^r
July	1,370	2,390	2,600 ^r	8,750 ^r	64,900	753	3,360 ^r	1,950 ^r	86,100 ^r
August	1,370	2,390	2,600 ^r	8,750 ^r	67,000	704	3,360 ^r	1,950 ^r	88,100 ^r
September	1,370	2,390	2,600 ^r	8,750 ^r	65,400	704	3,360 ^r	1,950 ^r	86,500 ^r
October	1,370	2,390	2,600 ^r	8,750 ^r	68,500	704	3,360 ^r	1,950 ^r	89,600 ^r
November	1,370	2,390	2,600 ^r	8,750 ^r	58,700	704	3,360 ^r	1,950 ^r	79,800 ^r
December	1,370	2,390	2,600 ^r	8,750 ^r	67,600	772	3,360 ^r	1,950 ^r	88,800 ^r
January-December	16,500	28,600	31,200 ^r	105,000 ^r	820,000	8,960	40,300 ^r	23,400 ^r	1,070,000 ^r
2008:									
January	1,370	2,390	4,710	6,460	67,100	704	4,020	2,270	89,100
February	1,370	2,390	4,710	6,460	65,100	704	4,020	2,270	87,000
March	1,370	2,390	4,710	6,460	68,100	704	4,020	2,270	90,000
April	1,370	2,390	4,710	6,460	66,200	704	4,020	2,270	88,100
May	1,370	2,390	4,710	6,460	66,300	704	4,020	2,270	88,200
June	1,370	2,390	4,710	6,460	65,100	743	4,020	2,270	87,100
January-June	8,230	14,300	28,200	38,800	398,000	4,260	24,100	13,600	529,000

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

(Metric tons, gross weight)

Scrap type and processor	2007		2008			
	Year	December	January	February	March	January-March
No. 1 wire and heavy:						
Smelters and refiners	65,400 ^r	5,830 ^r	5,060	5,060	5,060	15,200
Brass and wire-rod mills	382,000 ^r	31,700 ^r	31,300	29,600	30,600	91,500
No. 2 mixed heavy and light:						
Smelters and refiners	28,400 ^r	2,420 ^r	3,040	3,090	3,070	9,210
Brass and wire-rod mills	13,700	739	1,510	798	763	3,070
Total unalloyed scrap:						
Smelters and refiners	93,800 ^r	8,250 ^r	8,100	8,150	8,130	24,400
Brass and wire-rod mills	396,000 ^r	32,400 ^r	32,800	30,400	31,300	94,600
Red brass:³						
All plants	37,800 ^r	3,260 ^r	3,180	3,200	3,210	9,580
Leaded yellow brass:						
All plants	171,000 ^r	13,200 ^r	12,500	12,100	12,400	36,900
Yellow and low brass:						
All plants	154,000 ^r	12,800 ^r	13,800	14,300	16,000	44,200
Cartridge cases and brass:						
All plants	90,700 ^r	8,440 ^r	7,600	7,750	7,830	23,200
Auto radiators:						
Smelters and refiners	25,800 ^r	2,150 ^r	2,150	2,150	2,150	6,460
Bronzes:						
Smelters and refiners	12,900 ^r	1,080 ^r	1,080	1,080	1,080	3,230
Brass mills	4,570	397	427	341	341	1,110
Nickel-copper alloys:						
All plants	13,800 ^r	1,240 ^r	983	1,040	1,080	3,090
Low grade and residues:						
Smelters and refiners	35,000 ^r	2,910 ^r	1,970	1,970	1,970	5,910
Other alloy scrap:⁴						
Smelters and refiners	1,080 ^r	90 ^r	90	90	90	270
Brass mills	4,000 ^r	332	450	450	440	1,340
Total alloyed scrap:						
Smelters and refiners	120,000 ^r	9,980 ^r	9,040	9,040	9,040	27,100
Brass mills	432,000 ^r	36,000 ^r	35,200	35,400	37,600	108,000
Total scrap:						
Smelters and refiners	214,000 ^r	18,200 ^r	17,100	17,200	17,200	51,500
Brass and wire-rod mills	828,000 ^r	68,400 ^r	68,000	65,900	68,900	203,000

See footnotes at end of table.

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

(Metric tons, gross weight)

Scrap type and processor	2008			
	April	May	June	January- June
No. 1 wire and heavy:				
Smelters and refiners	5,060	5,060	5,060	30,400
Brass and wire-rod mills	29,500	30,300	29,900	181,000
No. 2 mixed heavy and light:				
Smelters and refiners	3,130	3,150	3,330	18,800
Brass and wire-rod mills	911	1,490	1,150	6,620
Total unalloyed scrap:				
Smelters and refiners	8,190	8,220	8,390	49,200
Brass and wire-rod mills	30,400	31,800	31,000	188,000
Red brass:³				
All plants	3,260	3,240	3,220	19,300
Leaded yellow brass:				
All plants	12,400	11,600	12,600	73,600
Yellow and low brass:				
All plants	14,700	14,700	13,500	87,100
Cartridge cases and brass:				
All plants	8,110	7,630	7,440	46,400
Auto radiators:				
Smelters and refiners	2,150	2,150	2,150	12,900
Bronzes:				
Smelters and refiners	1,080	1,080	1,080	6,460
Brass mills	335	352	332	2,130
Nickel-copper alloys:				
All plants	1,030	923	1,070	6,110
Low grade and residues:				
Smelters and refiners	1,970	1,970	1,970	11,800
Other alloy scrap:⁴				
Smelters and refiners	90	90	90	540
Brass mills	440	440	440	2,660
Total alloyed scrap:				
Smelters and refiners	9,040	9,040	9,040	54,200
Brass mills	36,600	35,200	34,800	215,000
Total scrap:				
Smelters and refiners	17,200	17,300	17,400	103,000
Brass and wire-rod mills	67,000	67,000	65,800	403,000

¹Revised.

¹Does not include: consumption by foundries, chemical plants, and miscellaneous manufactures, estimated to total about 5,310 tons of scrap per month based on 2007 annual data; monthly data includes estimates of about 11,400 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, zinc 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		
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	8,210	23,000	10,900	5,750	30,100	70,400	148,000
May	27,000	6,270	13,600	10,900	5,750	24,700	55,200	116,000
June	33,500	6,960	22,300	10,000	5,750	20,100	40,000	105,000
July	29,900	5,160	32,900	11,800	5,750	19,600	28,400	104,000
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	17,300	37,200	106,000
November	22,300	15,600	18,000	10,600	5,750	16,300	46,400	113,000
December	26,300	21,800	20,600	10,400	5,750	13,500	60,600	133,000
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

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 2007 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
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
November	318.802	312.924	315.971
December	307.996	302.170	298.759
January-December	328.002	322.172	322.832
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
January-June	372.588	366.761	368.248

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
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
November	301.15 ^r	274.20 ^r	236.50	145.90
December ^f	291.71	276.95	216.87	142.00
January-December ^f	311.87	282.89	221.86	137.47
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
January-June	352.80	331.93	254.63	162.35

^rRevised.

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		
	2008			2008			2008			2008		
	2007	June	January- June	2007	June	January- June	2007	June	January- June	2007	June	January- June
Belgium	--	--	--	13	31	36	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--	--	--	13,000	--	592
Canada	655	--	400	204	8	107	85,700	7,700	44,700	242,000	17,400	130,000
Chile	--	--	--	--	--	--	59,700	3,240	19,900	363,000	20,200	141,000
Finland	--	--	--	--	--	--	866	18	461	5	--	--
Germany	--	--	--	--	--	--	(2)	(2)	(2)	10,600	215	1,540
Japan	--	--	--	--	1	2	1	1	6	5,760	514	2,970
Kazakhstan	--	--	--	--	--	--	19	--	--	--	--	--
Mexico	(2)	--	--	32	--	38	7,140	325	2,850	50,200	974	3,800
Peru	174	41	62	--	--	--	--	--	--	140,000	9,530	61,600
Taiwan	--	--	--	968	13	165	--	--	--	5	--	--
Other	13	--	--	446	7	271	5	2	3	4,440	12	909
Total	841	41	463	1,660	60	620	153,000	11,300	67,900	829,000	48,900	342,000

-- 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			Matte, ash and precipitates			Blister and anodes			Refined		
	2008			2008			2008			2008		
	2007	June	January- June	2007	June	January- June	2007	June	January- June	2007	June	January- June
Australia	--	--	--	--	--	--	65	--	17	33	81	117
Belgium	109	--	11	13	--	51	275	--	93	213	--	--
Canada	22,900	2,850	14,500	61,700	3,870	21,300	4,370	280	7,100	9,830	432	7,470
China	160,000	2,940	59,100	89	81	198	456	40	95	20,700	253	4,880
Costa Rica	--	--	--	(2)	--	--	3	--	11	20	--	--
Germany	2,160	--	--	46	--	--	2,190	60	895	597	17	172
Hong Kong	--	--	--	--	--	--	2,440	99	1,190	103	4	60
India	--	--	1	38	--	3	216	48	208	9,320	281	1,480
Japan	67,200	4,020	34,500	63	--	13	565	101	776	--	--	14
Korea, Republic of	16,400	--	3,060	35	--	--	1,740	323	705	159	--	60
Mexico	19,100	6,370	32,300	--	--	--	35	1	87	6,020	44	8,760
Saudi Arabia	--	--	--	53	--	--	5	--	6	143	--	--
Singapore	--	--	32	--	(2)	29	289	7	35	9	--	--
Spain	85	--	1	--	--	--	60	28	391	273	--	--
Sweden	--	--	--	--	--	--	236	--	127	(2)	--	1
Taiwan	1	--	--	31	--	1	1,280	20	400	49	--	11
Other	14,200	85	93	104	--	20	1,500	94	1,100	3,630	245	1,330
Total	302,000	16,300	144,000	62,200	3,950	21,600	15,700	1,100	13,200	51,100	1,360	24,300

-- 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 16
U.S. COPPER SCRAP IMPORTS¹

(Metric tons, gross weight)

Country or territory	Unalloyed			Alloyed		
	2008			2008		
	2007	June	January- June	2007	June	January- June
Brazil	--	--	--	116	--	73
Canada	8,890	1,100	6,360	32,000	2,850	16,800
Chile	36,900	--	9,540	484	--	7
China	6	--	--	47	19	60
Costa Rica	1,050	3	72	2,460	76	802
Germany	146	3	34	19	--	53
Guatemala	314	28	82	1,590	167	755
Honduras	1,360	212	1,130	695	52	291
Jamaica	454	7	144	373	26	250
Japan	46	9	20	40	--	--
Mexico	6,200	549	3,180	30,400	3,120	16,900
Nicaragua	699	19	133	363	9	70
Singapore	--	--	--	74	--	--
Taiwan	--	--	--	68	--	--
United Kingdom	119	--	--	636	45	91
Other	2,110	228	1,520	5,390	467	3,110
Total	58,300	2,160	22,200	74,800	6,840	39,200

-- 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				
	2007	2008						2007	2008			
		No. 1		No. 2		Other			Segregated		Unsegregated	
		June	January- June	June	January- June	June	January- June		June	January- June	June	January- June
Belgium	1,190	129	305	--	80	76	303	13,700	--	499	1,340	8,130
Canada	11,300	--	--	--	38	1,050	7,020	34,200	319	1,840	2,810	18,200
China	203,000	3,140	16,100	9,480	55,400	5,020	22,800	371,000	7,910	46,700	30,500	162,000
Germany	8,010	238	526	194	507	26	845	7,210	1	6	1,180	5,580
Hong Kong	8,700	170	1,760	1,360	6,720	123	627	20,600	239	935	6,020	28,500
India	13,800	--	8	--	37	--	1,680	9,710	291	3,190	64	589
Japan	8,180	127	661	177	926	488	3,710	8,530	110	1,120	674	4,460
Korea, Republic of	22,100	581	4,000	446	2,870	512	2,870	12,100	169	681	2,470	8,510
Mexico	390	--	573	--	--	38	129	2,830	154	1,010	216	1,520
Spain	1,280	19	57	--	38	--	20	14,700	--	59	1,310	6,440
Taiwan	17,000	116	206	436	1,650	513	769	11,700	487	1,570	1,260	6,800
Thailand	951	--	54	6	26	239	655	64	--	--	57	97
United Kingdom	21	--	--	--	--	--	--	507	20	42	44	163
Other	11,900	563	3,910	97	434	314	5,780	19,700	187	1,450	1,160	4,650
Total	308,000	5,080	28,100	12,200	68,700	8,400	47,200	527,000	9,890	59,100	49,100	256,000

-- Zero.

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

Source: U.S. Census Bureau.