

# Mineral Industry Surveys

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## COPPER IN FEBRUARY 2007

Average daily mine production of recoverable copper fell by 2% in February from January's already low level, according to data compiled by the U.S. Geological Survey. Two major producers reported lower output during the first quarter owing to reduced ore grades. (See Copper in January 2007.) Average daily production of refined copper in February also fell by 2% from that in January. Average daily consumption of refined copper in February rose by about 5% and was essentially equal to that in February 2006.

### Update

Copper prices, which had declined sharply during the fourth quarter of 2006 and during January 2007, rose significantly in March and April, when the Comex price averaged \$2.92 per pound and \$3.51 per pound, respectively. After falling slightly in June, the monthly average price rose to \$3.62 per pound in July.

Global commodity exchange inventories at the end of January were up by 8% from those at yearend 2006, but then declined by 18% through the end of June. The International Copper Study Group production/consumption balance calculation indicated a seasonally adjusted refined copper production deficit of about 160,000 metric tons (t) for the first 4

months of the year, in large part owing to increased Chinese apparent consumption for refined copper. Imports of refined copper by China, the world's leading consumer and importer of refined copper, rose to 483,000 t during the first quarter of 2007, a more than 100% increase from the 230,000 t imported in the fourth quarter of 2006 and more than one-half total imports for 2006. Note, however, some of these imports may have been distributed to unreported stocks (International Copper Study Group, 2007, p. 9, 20, 29).

Domestic consumption of refined copper remained relatively strong through the first 5 months of the year. According to the American Bureau of Metal Statistics, Inc. (2007), the average monthly domestic shipments of wire rod for January through May 2007 were down by 1.2% from those during the same period of 2006, but were significantly higher than average monthly shipments during the second half of 2006.

### References Cited

- American Bureau of Metal Statistics, Inc., 2007, US copper wirerod market: Chatham, NJ, American Bureau of Metal Statistics, Inc., Report 4, August 7, 4 p.
- International Copper Study Group, 2007, Copper bulletin: Lisbon, Portugal, International Copper Study Group, July, 56 p.

TABLE 1  
SALIENT STATISTICS OF THE COPPER INDUSTRY IN THE UNITED STATES<sup>1</sup>

(Metric tons, unless otherwise specified)

	Source table <sup>2</sup>	2007			
		2006 <sup>p</sup>	January	February	January - February
<b>Production:</b>					
<b>Primary:</b>					
Mine, recoverable	(2)	1,200,000	96,300 <sup>r</sup>	85,100	181,000
<b>Refinery:</b>					
<b>Electrolytic:</b>					
Domestic and foreign	(4)	675,000	58,800	49,800	109,000
Electrowon	(4)	530,000	40,900	38,400	79,200
Total	(4)	1,210,000	99,700	88,100	188,000
<b>Secondary recoverable copper:</b>					
Refineries	(5)	44,800	3,880	3,880	7,760
Ingot makers <sup>3</sup>	(5)	94,200	7,850	7,850	15,700
Brass and wire-rod mills	(5)	719,000	54,000	55,500	110,000
Foundries, etc. <sup>3</sup>	(5)	59,400	4,950	4,950	9,900
Smelter, total	(3)	501,000	47,200	47,600	94,800
<b>Consumption:</b>					
Apparent	(8)	2,210,000	220,000 <sup>r</sup>	NA	NA
Refined (reported)	(7)	2,130,000	182,000 <sup>r</sup>	172,000	355,000
Purchased copper-base scrap	(9)	1,170,000	90,200	90,000	180,000
<b>Stocks at end of period:</b>					
Total refined	(11)	196,000	219,000	217,000	XX
Blister, etc.	(11)	18,800	23,300 <sup>r</sup>	20,900	XX
<b>Prices:</b>					
U.S. producer cathode (cents per pound) <sup>4</sup>	(12)	314.751	264.131	265.487	264.809
<b>Imports:<sup>5</sup></b>					
Ores and concentrates <sup>6</sup>	(14)	192	--	NA	NA
Refined	(14)	1,070,000	87,300	NA	NA
<b>Exports:<sup>5</sup></b>					
Ores and concentrates <sup>6</sup>	(15)	108,000 <sup>r</sup>	5,170	NA	NA
Refined	(15)	106,000	3,120	NA	NA

<sup>p</sup>Preliminary. <sup>r</sup>Revised. NA Not available. XX Not applicable. -- Zero.

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

<sup>2</sup>Numbers in parentheses refer to the significant tables where these data are located.

<sup>3</sup>Monthly data and 2006 cumulative data estimated based on 2005 monthly average.

<sup>4</sup>Source: Platts Metals Week.

<sup>5</sup>Source: U.S. Census Bureau.

<sup>6</sup>Copper content.

TABLE 2  
MINE PRODUCTION OF RECOVERABLE COPPER IN THE UNITED STATES<sup>1</sup>

(Metric tons)

Period	Recoverable copper			Contained copper		
	Arizona	Others <sup>2</sup>	Total	Electrowon	Concentrates <sup>3</sup>	Total
2006: <sup>p</sup>						
January-February	109,000	71,000 <sup>r</sup>	180,000	82,600	101,000	183,000
February	52,700	34,300	87,000	39,600	49,100	88,700
March	60,800	44,400	105,000	45,300	62,000	107,000
April	58,900	39,000	97,900	44,400	55,500	99,900
May	62,000	43,700	106,000	47,900	60,300	108,000
June	60,500	41,000	101,000	45,800	57,700	103,000
July	60,400	42,700	103,000 <sup>r</sup>	45,500	59,600	105,000 <sup>r</sup>
August	59,900	40,700	100,000 <sup>r</sup>	43,700	58,700	102,000 <sup>r</sup>
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 <sup>r</sup>	103,000
January-December	712,000	485,000	1,200,000	530,000	690,000	1,220,000
2007:						
January	57,600	38,700 <sup>r</sup>	96,300 <sup>r</sup>	40,900	57,400 <sup>r</sup>	98,300 <sup>r</sup>
February	53,100	32,000	85,100	38,400	48,900	87,300
January-February	111,000	70,700	181,000	79,200	106,000	186,000

<sup>p</sup>Preliminary. <sup>r</sup>Revised.

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

<sup>2</sup>Includes production from Idaho, Missouri, Montana, Nevada, New Mexico, and Utah.

<sup>3</sup>Includes copper content of precipitates and other metal concentrates.

TABLE 3  
COPPER PRODUCED AT SMELTERS IN  
THE UNITED STATES, BY SOURCE<sup>1,2</sup>

(Metric tons, copper content)

Period	Anode production
2006: <sup>p</sup>	
January-February	95,400 <sup>r</sup>
February	47,900
March	45,800
April	45,900
May	51,000
June	38,100
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	47,600
January-February	94,800

<sup>p</sup>Preliminary. <sup>r</sup>Revised.

<sup>1</sup>Includes blister, anode and copper from primary or secondary sources.

<sup>2</sup>Data 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 RECOVERY<sup>1</sup>

(Metric tons)

Period	Primary materials			Scrap	Total refined
	Electrolytically refined <sup>2</sup>	Electrowon	Total		
2006: <sup>p</sup>					
January-February	110,000 <sup>r</sup>	82,600	193,000 <sup>r</sup>	7,540 <sup>r</sup>	200,000 <sup>r</sup>
February	57,300	39,600	96,900	3,720	101,000
March	68,400	45,300	114,000	3,770	117,000
April	60,800	44,400	105,000	3,700	109,000
May	61,500	47,900	109,000	3,730	113,000
June	64,600	45,800	110,000	3,700	114,000
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	58,800	40,900	99,700	3,880	104,000
February	49,800	38,400	88,100	3,760	91,900
January-February	109,000	79,200	188,000	7,640	195,000

<sup>p</sup>Preliminary. <sup>r</sup>Revised.

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

<sup>2</sup>From domestic and foreign source materials.

TABLE 5  
COPPER RECOVERABLE IN UNALLOYED AND ALLOYED FORM FROM PURCHASED COPPER-BASE SCRAP<sup>1</sup>

(Metric tons, copper content)

Period	Refineries <sup>2</sup>		Ingot makers <sup>3</sup>		Brass and wire-rod mills		Foundries, etc. <sup>3</sup>		Total <sup>4</sup>
	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	
2006: <sup>p</sup>									
January-February	2,670	4,870 <sup>r</sup>	4,020 <sup>r</sup>	11,700 <sup>r</sup>	122,000	1,950 <sup>r</sup>	3,760 <sup>r</sup>	6,140 <sup>r</sup>	157,000 <sup>r</sup>
February	1,340	2,390	2,010	5,840	58,300	496	1,880	3,070	75,400
March	1,340	2,430	2,010	5,840	62,700	1,560	1,880	3,070	80,900
April	1,340	2,370	2,010	5,840	60,700	1,060	1,880	3,070	78,300
May	1,340	2,400	2,010	5,840	62,900	1,840	1,880	3,070	81,200
June	1,340	2,370	2,010	5,840	63,000	1,400	1,880	3,070	80,900
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
January-February	2,670	5,090	4,020	11,700	108,000	1,520	3,760	6,140	143,000

<sup>p</sup>Preliminary. <sup>r</sup>Revised.

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

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

<sup>3</sup>Monthly data and 2006 cumulative data estimated based on 2005 annual data.

<sup>4</sup>Does not include an estimate, based on reported 2005 data of 3,277 tons per month from new scrap and 1,203 tons per month of copper recovered from scrap other than copper-base.

TABLE 6  
PRODUCTION, SHIPMENTS, AND STOCKS OF BRASS AND WIRE-ROD SEMIFABRICATES<sup>1</sup>

(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: <sup>P</sup>						
January-February	226,000 <sup>r</sup>	281,000 <sup>r</sup>	225,000	282,000 <sup>r</sup>	XX	XX
February	114,000	125,000	114,000	133,000	48,500	24,300
March	117,000	146,000	118,000	146,000	49,900	24,600
April	115,000	137,000	115,000	140,000	49,100	23,700
May	120,000	146,000	122,000	150,000	47,300	22,900
June	118,000	145,000	117,000	146,000	48,500	22,200
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 <sup>r</sup>	105,000	138,000 <sup>r</sup>	47,900	24,900 <sup>r</sup>
February	101,000	135,000	101,000	132,000	47,400	28,400
January-February	204,000	274,000	206,000	270,000	95,300	53,400

<sup>P</sup>Preliminary. <sup>r</sup>Revised. XX Not applicable.

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

TABLE 7  
CONSUMPTION OF REFINED COPPER<sup>1</sup>

(Metric tons)

Period and item	Brass mills	Wire-rod mills	Other plants <sup>2</sup>	Total
2006: <sup>P</sup>				
January-February <sup>r</sup>	86,800	284,000	10,900	382,000
February	42,600	125,000	5,430	173,000
March	45,000	135,000	5,430	185,000
April	42,800	141,000	5,430	189,000
May	47,200	147,000	5,430	199,000
June	41,500	148,000	5,430	195,000
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 <sup>r</sup>	138,000 <sup>r</sup>	5,430	182,000 <sup>r</sup>
February:				
Cathodes	26,800	129,000	956	157,000
Wire bars	--	--	(3)	(3)
Ingots and ingot bars	2,020	--	2,460	4,480
Cakes and slabs	3,470	--	(3)	3,470
Billets and other	5,910	--	2,010	7,920
Total	38,200	129,000	5,430	172,000
January-February	77,500	266,000	10,900	355,000

<sup>P</sup>Preliminary. <sup>r</sup>Revised. -- Zero.

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

<sup>2</sup>Consumption by ingot makers, chemical plants, foundries, and miscellaneous manufacturers is estimated based on 2005 annual data.

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

TABLE 8  
U.S. APPARENT CONSUMPTION OF COPPER<sup>1</sup>

(Metric tons)

Period	Refined copper production	Copper in old scrap <sup>2</sup>	Refined general imports <sup>3</sup>	Refined exports <sup>3</sup>	Stock change during period	Apparent consumption
2006: <sup>P</sup>						
January-February <sup>r</sup>	193,000	27,100	220,000	12,900	40,400	385,000
February	96,900	13,000	108,000	7,320	24,200	186,000
March	114,000	14,100	80,100	6,780	2,420	200,000
April	105,000	13,500	69,100	9,600	(18,500)	197,000
May	109,000	14,300	100,000	6,270	(3,730)	221,000
June	110,000	13,900	94,100	13,100	(10,800)	216,000
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	99,700	13,300	87,300	3,120	22,900 <sup>r</sup>	220,000 <sup>r</sup>
February	88,100	12,800	NA	NA	2,310	NA

<sup>P</sup>Preliminary. <sup>r</sup>Revised. NA Not available.

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

<sup>2</sup>Includes 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.

<sup>3</sup>Source: U.S. Census Bureau.

TABLE 9  
CONSUMPTION OF PURCHASED COPPER-BASE SCRAP<sup>1</sup>

(Metric tons, gross weight)

Period	Smelters and refineries		Ingot makers <sup>2</sup>		Brass and wire-rod mills <sup>3</sup>		Foundries, etc. <sup>2</sup>		Total scrap used
	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	
2006: <sup>P</sup>									
January-February	2,700	4,770 <sup>r</sup>	8,020 <sup>r</sup>	16,100 <sup>r</sup>	152,000 <sup>r</sup>	2,250 <sup>r</sup>	6,680 <sup>r</sup>	6,930 <sup>r</sup>	200,000 <sup>r</sup>
February	1,350	2,390	4,010	8,050	72,900	659	3,340	3,470	96,200
March	1,350	2,390	4,010	8,050	78,500	1,730	3,340	3,470	103,000
April	1,350	2,390	4,010	8,050	75,500	1,070	3,340	3,470	99,200
May	1,350	2,390	4,010	8,050	78,300	1,850	3,340	3,470	103,000
June	1,350	2,390	4,010	8,050	78,900	1,410	3,340	3,470	103,000
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	28,600 <sup>r</sup>	48,100	96,600	882,000	13,100	40,100	41,600	1,170,000
2007:									
January	1,350	2,390	4,010	8,050	66,800	750	3,340	3,470	90,200
February	1,350	2,390	4,010	8,050	67,300	157	3,340	3,470	90,000
January-February	2,700	4,770	8,020	16,100	134,000	907	6,680	6,930	180,000

<sup>P</sup>Preliminary. <sup>r</sup>Revised.

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

<sup>2</sup>Monthly data and 2006 cumulative data estimated from 2005 annual data.

<sup>3</sup>Consumption at brass and wire-rod mills assumed equal to receipts.

TABLE 10  
CONSUMPTION OF PURCHASED COPPER-BASE SCRAP<sup>1,2</sup>

(Metric tons, gross weight)

Scrap type and processor	2006 <sup>p</sup>			2007		
	January-December	December	January-February	January	February	January-February
<b>No. 1 wire and heavy:</b>						
Smelters and refiners	72,700	6,060	12,100 <sup>r</sup>	2,320	3,370	5,690
Brass and wire-rod mills	400,000	28,000	68,900 <sup>r</sup>	28,200 <sup>r</sup>	31,900	60,000
<b>No. 2 mixed heavy and light:</b>						
Smelters and refiners	28,300	2,390	4,800 <sup>r</sup>	2,510	3,090	5,610
Brass and wire-rod mills	13,600	861	1,030	1,120	1,020	2,140
<b>Total unalloyed scrap:</b>						
Smelters and refiners	101,000	8,440	16,900 <sup>r</sup>	4,840	6,460	11,300
Brass and wire-rod mills	414,000	28,900	70,000 <sup>r</sup>	29,300 <sup>r</sup>	32,900	62,200
<b>Red brass:<sup>3</sup></b>						
All plants	35,400	2,720	6,270 <sup>r</sup>	2,910	2,800	5,710
<b>Leaded yellow brass:</b>						
All plants	185,000	13,300	32,600	14,500	14,300	28,800
<b>Yellow and low brass:</b>						
All plants	175,000	11,000	30,800 <sup>r</sup>	14,600 <sup>r</sup>	11,300	25,900
<b>Cartridge cases and brass:</b>						
All plants	93,900	6,540	16,100	7,680	7,340	15,000
<b>Auto radiators:</b>						
Smelters and refiners	24,300	2,030	4,050	2,030	2,030	4,050
<b>Bronzes:</b>						
Smelters and refiners	10,300	862	1,720 <sup>r</sup>	862	862	1,720
Brass mills	7,110	499	1,370	426	391	817
<b>Nickel-copper alloys:</b>						
All plants	18,500	1,190	3,050 <sup>r</sup>	1,350	1,280	2,630
<b>Low grade and residues:</b>						
Smelters and refiners	35,000	2,910	5,830 <sup>r</sup>	2,910	2,910	5,830
<b>Other alloy scrap:<sup>4</sup></b>						
Smelters and refiners	1,180	99	198 <sup>r</sup>	99	99	198
Brass mills	5,400	450	900 <sup>r</sup>	450	450	900
<b>Total alloyed scrap:</b>						
Smelters and refiners	109,000	9,050	18,100 <sup>r</sup>	9,050	9,050	18,100
Brass mills	483,000	32,600	84,800 <sup>r</sup>	38,800 <sup>r</sup>	34,700	73,500
<b>Total scrap:</b>						
Smelters and refiners	210,000	17,500	35,000 <sup>r</sup>	13,900	15,500	29,400
Brass and wire-rod mills	897,000	61,400	155,000 <sup>r</sup>	68,100 <sup>r</sup>	67,600	136,000

<sup>p</sup>Preliminary. <sup>r</sup>Revised.

<sup>1</sup>Does 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.

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

<sup>3</sup>Includes composition turnings, silicon bronze, zinc bronze, railroad car boxes, cocks and faucets, gilding metal, and commercial bronze.

<sup>4</sup>Includes refinery brass, beryllium copper, phosphor copper, and aluminum bronze.

TABLE 11  
COPPER STOCKS AT END OF PERIOD<sup>1</sup>

(Metric tons)

Period	Crude copper <sup>2</sup>	Refined copper					LME <sup>6</sup>	Total refined
		Refineries <sup>3</sup>	Wire-rod mills <sup>3</sup>	Brass mills <sup>3</sup>	Other <sup>4</sup>	Comex <sup>5</sup>		
2006: <sup>p</sup>								
February	21,700	14,500	28,600	29,900	5,750	27,600	--	106,000
March	15,200	13,300	27,700	28,100	5,750	32,000	1,880	109,000
April	18,800	7,690	28,400	31,700	5,750	15,500	1,080	90,200
May	40,600	10,000	30,300	31,400	5,750	8,660	350	86,400
June	18,600	5,400	24,400	32,700	5,750	7,170	225	75,600
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	23,300	26,700 <sup>r</sup>	28,200 <sup>r</sup>	34,100	3,350	32,600 <sup>r</sup>	94,300	219,000 <sup>r</sup>
February	20,900	15,100	28,700	38,300	3,350	37,000	94,500	217,000

<sup>p</sup>Preliminary. <sup>r</sup>Revised. -- Zero.

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

<sup>2</sup>Copper content of blister and other materials in transit and in process of refining.

<sup>3</sup>Stocks of refined copper as reported; no estimates are made for nonrespondents.

<sup>4</sup>Monthly estimates based on reported and 2005 annual data, comprising stocks at ingot makers, chemical plants, foundries, and miscellaneous manufacturers.

<sup>5</sup>Comex Division of New York Mercantile Exchange, Inc., New York.

<sup>6</sup>London 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 <sup>1</sup>	Comex first position <sup>2</sup>	LME cash price Grade A
2006:			
February	230.905	225.079	225.965
March	238.235	232.409	231.438
April	302.679	296.853	289.673
May	381.687	375.861	364.874
June	345.474	339.648	326.400
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
January-February	264.809	258.983	257.276

<sup>1</sup>Listed as "U.S. producer cathode."

<sup>2</sup>Listed 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:				
February	221.85	206.90	125.00	82.50
March	229.26	225.24	170.00	77.50
April	283.85	257.95	170.00	77.50
May	355.17	322.74	170.00	77.50
June	310.98	279.19	192.62	121.10
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	255.50	241.50	185.50	115.50
February	253.47	241.00	241.63	110.84
January-February	254.49	241.25	213.57	113.17

Source: American Metal Market.

TABLE 14  
U.S. IMPORTS FOR CONSUMPTION OF COPPER (UNMANUFACTURED), BY CLASS<sup>1</sup>

(Metric tons, copper content)

Country or territory	Ore and concentrates		Matte, ash and precipitates		Blister and anodes		Refined	
	2007		2007		2007		2007	
	2006	January	2006	January	2006	January	2006	January
Austria	--	--	--	--	--	--	1,510	--
Belgium	--	--	13	--	--	--	--	--
Brazil	--	--	--	--	--	--	20,200	3,010
Canada	191	--	585	49	87,800	7,930	256,000	24,100
Chile	--	--	--	--	79,100	1,770	521,000	39,400
Finland	--	--	--	--	967	33	--	--
Germany	--	--	(2)	--	8	(2)	25,200	898
Japan	--	--	--	--	--	--	5,850	354
Kazakhstan	--	--	--	--	--	--	49,300	--
Mexico	--	--	22	--	2,810	535	28,800	10,000
Peru	--	--	--	--	--	--	158,000	9,550
Taiwan	--	--	1,170	46	--	--	--	--
Other	1	--	124	10	21 <sup>2</sup>	--	7,950	--
Total	192	--	1,910	104	171,000	10,300	1,070,000	87,300

<sup>1</sup>Revised. -- Zero.

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

<sup>2</sup>Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 15  
U.S. EXPORTS OF COPPER (UNMANUFACTURED), BY CLASS<sup>1</sup>

(Metric tons, copper content)

Country or territory	Ore and concentrates <sup>2</sup>		Matte, ash and precipitates		Blister and anodes		Refined	
	2007		2007		2007		2007	
	2006	January	2006	January	2006	January	2006	January
Australia	--	--	1,840	--	70	15	64	--
Belgium	--	--	75 <sup>†</sup>	13	461 <sup>†</sup>	--	--	--
Canada	23,300	485	71,600	5,200	4,410	199	81,500	947
China	37,000	3,600	6,360	--	388	101	11,000	736
Costa Rica	--	--	10	--	(3)	--	14	--
Germany	--	--	2	46	1,360	55	126	--
Hong Kong	--	--	6	--	3,920	40	66	68
India	5,200	--	3	--	171	10	5,090	522
Japan	19,200	--	2	--	812	--	(3)	--
Korea, Republic of	2,980	560	11	--	946	71	123	--
Mexico	20,000	513	13,800	--	337	6	5,230	13
Saudi Arabia	--	--	--	--	--	--	93	5
Singapore	--	--	44	2	421	--	11	--
Spain	104	5	--	--	253	--	59 <sup>†</sup>	87
Sweden	1	--	--	--	1,820 <sup>†</sup>	--	164 <sup>†</sup>	--
Taiwan	16	--	15	5	1,590	140	191	--
Other	52	5	1,810 <sup>†</sup>	--	1,990 <sup>†</sup>	203	2,330 <sup>†</sup>	742
Total	108,000	5,170	95,600	5,260	18,900	839	106,000	3,120

<sup>†</sup>Revised. -- Zero.

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

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

<sup>3</sup>Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 16  
U.S. COPPER SCRAP IMPORTS<sup>1</sup>

(Metric tons, gross weight)

Country or territory	Unalloyed		Alloyed	
	2007		2007	
	2006	January	2006	January
Brazil	--	--	261	--
Canada	7,740	759	43,900	2,300
China	1	--	597	9
Costa Rica	1,760	159	1,740	231
Germany	35	3	2	--
Guatemala	190	58	2,310	193
Honduras	1,700	89	821	67
Jamaica	364	49	167	53
Japan	104	18	32	--
Mexico	6,920	441	29,600	2,010
Nicaragua	871 <sup>†</sup>	131	443	30
Russia	--	--	101	--
Singapore	--	--	367	16
Taiwan	--	--	121 <sup>†</sup>	19
United Kingdom	183	18	646	39
Other	5,060	3,100	11,500 <sup>†</sup>	512
Total	24,900	4,820	92,600	5,480

<sup>†</sup>Revised. -- Zero.

<sup>1</sup>Data 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 EXPORTS<sup>1</sup>

(Metric tons, gross weight)

Country or territory	Unalloyed				Alloyed		
	2006	2007			2006	2007	
		No. 1 January	No. 2 January	Other January		Segregated January	Unsegregated January
Belgium	1,380	1,350	--	92	12,700	118	1,200
Canada	71,700	--	--	805	38,800	568	1,800
China	247,000	504	8,410	5,200	257,000	4,920	21,500
Germany	15,200	193	294	815	15,400	--	400
Hong Kong	7,060	81	1,020	353	11,600	265	1,550
India	1,600	--	--	--	10,700	504	40
Japan	7,730	96	72	473	8,020	258	450
Korea, Republic of	20,700	969	240	759	13,000	173	1,540
Mexico	815	21	--	190	6,770	--	146
Spain	386	--	113	--	9,340	--	843
Taiwan	22,300	633	386	149	9,930	--	1,010
Thailand	201	--	--	81	331	--	60
United Kingdom	105	1	--	--	482	--	20
Other	2,770	34	--	225	10,300	754	1,070
Total	399,000	3,880	10,500	9,140	404,000	7,560	31,600

-- Zero.

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

Source: U.S. Census Bureau.