

# Mineral Industry Surveys

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## COPPER IN SEPTEMBER 2007

Mine production of recoverable copper for the first three quarters of 2007 was down slightly (2%) from that of the same period in 2006. Higher output in Arizona and Nevada was more than offset by lower production in New Mexico and Utah. Despite several significant initiatives to increase production, the Lisbon Valley Mine in Utah continued to produce below planned capacity. In November 2007, Constellation Copper Corp. announced that it would curtail mining at Lisbon Valley in early 2008 and convert to a residual leach operation (Constellation Copper Corp., 2007).

Consumption of refined copper for the first 9 months of 2007 declined by about 3% from that of the comparative period in 2006. Consumption at wire-rod mills was particularly weak in September 2007, falling by 20% from that in August 2007 and 13% from that in September 2006.

### Reference Cited

Constellation Copper Corp., 2007, Lisbon Valley operation to be curtailed to leach only: Denver, CO, Constellation Copper Corp. press release, November 30, 2 p.

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

(Metric tons, unless otherwise specified)

	Source table <sup>2</sup>	2006 <sup>p</sup>	2007		
			August	September	January - September
<b>Production:</b>					
<b>Primary:</b>					
Mine, recoverable	(2)	1,200,000	99,400	99,200	874,000
<b>Refinery:</b>					
Electrolytic, domestic and foreign	(4)	675,000	70,400	64,500	581,000
Electrowon	(4)	530,000	43,400	39,800	383,000
Total	(4)	1,210,000	114,000	104,000	964,000
<b>Secondary recoverable copper:</b>					
Refineries	(5)	44,800	3,380	3,460	31,700
Ingot makers <sup>3</sup>	(5)	94,200	7,850	7,850	70,700
Brass and wire-rod mills	(5)	719,000	54,600	53,000	510,000
Foundries, etc. <sup>3</sup>	(5)	59,400	4,950	4,950	44,600
Smelter, total	(3)	501,000	52,400	50,000	474,000
<b>Consumption:</b>					
Apparent	(8)	2,210,000	204,000	NA	NA
Refined (reported)	(7)	2,130,000	192,000	162,000	1,650,000
Purchased copper-base scrap	(9)	1,170,000	90,300	88,700	835,000
<b>Stocks at end of period:</b>					
Total refined	(11)	196,000	103,000 <sup>r</sup>	102,000	XX
Blister, etc.	(11)	18,800	30,100	28,900	XX
<b>Prices,</b>					
U.S. producer cathode (cents per pound) <sup>4</sup>	(12)	314.751	342.609	351.442	327.168
<b>Imports:<sup>5</sup></b>					
Ores and concentrates <sup>6</sup>	(14)	192	21	NA	NA
Refined	(14)	1,070,000	77,700	NA	NA
<b>Exports:<sup>5</sup></b>					
Ores and concentrates <sup>6</sup>	(15)	108,000	10,200	NA	NA
Refined	(15)	106,000	3,380	NA	NA

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

<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-September	530,000	361,000 <sup>r</sup>	892,000 <sup>r</sup>	398,000 <sup>r</sup>	512,000 <sup>r</sup>	910,000 <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	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
January-September	549,000	326,000	874,000	383,000	511,000	893,000

<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-September	397,000
September	33,200
October	18,700
November	32,300
December	53,500
January-December	501,000
2007:	
January	47,200
February	47,800
March	53,700
April	52,400
May	59,200
June	56,200
July	55,200
August	52,400
September	50,000
January-September	474,000

<sup>p</sup>Preliminary.

<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>d</sup>

(Metric tons)

Period	Primary materials			Scrap	Total refined
	Electrolytically refined <sup>2</sup>	Electrowon	Total		
2006: <sup>p</sup>					
January-September	526,000 <sup>r</sup>	398,000 <sup>r</sup>	924,000 <sup>r</sup>	33,600	958,000 <sup>r</sup>
September	55,400	42,800	98,200	3,770	102,000
October	41,800	44,300	86,100	3,700	89,800
November	47,700	43,000	90,700	3,700	94,400
December	59,500	45,000	105,000	3,760	108,000
January-December	675,000	530,000	1,210,000	44,800	1,250,000
2007:					
January	56,100	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
January-September	581,000	383,000	964,000	31,700	996,000

<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>d</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-September	12,000	21,600	18,100 <sup>r</sup>	52,600 <sup>r</sup>	549,000	10,200 <sup>r</sup>	16,900 <sup>r</sup>	27,600 <sup>r</sup>	708,000 <sup>r</sup>
September	1,340	2,440	2,010	5,840	57,200	772	1,880	3,070	74,500
October	1,340	2,370	2,010	5,840	56,400	764	1,880	3,070	73,700
November	1,340	2,370	2,010	5,840	53,200	824	1,880	3,070	70,600
December	1,340	2,420	2,010	5,840	48,500	776	1,880	3,070	65,800
January-December	16,000	28,800	24,100	70,100	707,000	12,500	22,500	36,900	918,000
2007:									
January	1,340	2,550	2,010	5,840	53,300	726	1,880	3,070	70,700
February	1,340	2,550	2,010	5,840	54,700	794	1,880	3,070	72,200
March	1,340	2,030	2,010	5,840	62,000	769	1,880	3,070	78,900
April	1,340	2,150	2,010	5,840	58,300	766	1,880	3,070	75,300
May	1,340	2,080	2,010	5,840	58,400	697	1,880	3,070	75,300
June	1,340	2,100	2,010	5,840	58,300	697	1,880	3,070	75,300
July	1,340	2,040	2,010	5,840	52,600	732	1,880	3,070	69,500
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
January-September	12,000	19,700	18,100	52,600	504,000	6,580	16,900	27,600	657,000

<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 3,280 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 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-September	1,020,000	1,270,000 <sup>r</sup>	1,020,000	1,270,000 <sup>r</sup>	XX	XX
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	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
January-September	954,000	1,250,000	962,000	1,260,000	XX	XX

<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-September	378,000 <sup>r</sup>	1,270,000	48,900 <sup>r</sup>	1,700,000 <sup>r</sup>
September	38,900	136,000	5,430	181,000
October	39,500	110,000	5,430	155,000
November	36,200	103,000	5,430	144,000
December	36,300	90,600	5,430	132,000
January-December	490,000	1,570,000	65,200	2,130,000
2007:				
January	39,300	138,000	5,430	182,000
February	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:				
Cathodes	25,800	118,000	956	145,000
Wire bars	--	--	(3)	(3)
Ingots and ingot bars	2,020	--	2,460	4,480
Cakes and slabs	3,630	--	(3)	3,630
Billets and other	6,810	--	2,010	8,830
Total	38,300	118,000	5,430	162,000
January-September	364,000	1,240,000	48,900	1,650,000

<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-September	924,000 <sup>r</sup>	123,000 <sup>r</sup>	862,000	73,600	36,500 <sup>r</sup>	1,800,000
September	98,200	13,300	106,000	9,330	12,900	195,000
October	86,100	13,200	96,400	13,700	8,750	173,000
November	90,700	13,300	59,300	6,190	45,900	111,000
December	105,000	13,400	56,500	12,600	39,300	122,000
January-December	1,210,000	163,000	1,070,000	106,000	130,000	2,210,000
2007:						
January	97,000	13,300	87,300	3,120	1,240 <sup>r</sup>	193,000 <sup>r</sup>
February	93,200	12,800	76,400	2,680	(4,690) <sup>r</sup>	185,000 <sup>r</sup>
March	112,000	12,100	68,400	5,140	(18,500) <sup>r</sup>	206,000 <sup>r</sup>
April	109,000	13,000	65,800	3,630	(21,300) <sup>r</sup>	206,000 <sup>r</sup>
May	112,000	13,600	80,100	3,920	(34,800) <sup>r</sup>	237,000 <sup>r</sup>
June	109,000	13,600	58,900	6,550	(13,100) <sup>r</sup>	188,000 <sup>r</sup>
July	113,000	13,600	66,600	3,600	320 <sup>r</sup>	189,000 <sup>r</sup>
August	114,000	13,500	77,700	3,380	(2,550)	204,000
September	104,000	13,600	NA	NA	(1,150)	NA
January-September	964,000	119,000	NA	NA	(94,600)	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-September	12,100 <sup>r</sup>	21,600 <sup>r</sup>	36,000 <sup>r</sup>	72,400 <sup>r</sup>	685,000	10,600 <sup>r</sup>	30,000 <sup>r</sup>	31,200 <sup>r</sup>	899,000 <sup>r</sup>
September	1,350	2,390	4,010	8,050	71,800	780	3,340	3,470	95,200
October	1,350	2,390	4,010	8,050	70,900	772	3,340	3,470	94,300
November	1,350	2,390	4,010	8,050	66,000	832	3,340	3,470	89,400
December	1,350	2,390	4,010	8,050	60,500	832	3,340	3,470	83,900
January-December	16,200	28,700	48,100	96,600	882,000	13,100	40,100	41,600	1,170,000
2007:									
January	1,350	2,390	4,020	8,050	66,800	750	3,340	3,470	90,200
February	1,350	2,390	4,020	8,050	67,300	861	3,340	3,470	90,800
March	1,350	2,390	4,020	8,050	77,500	793	3,340	3,470	101,000
April	1,350	2,390	4,020	8,050	71,700	809	3,340	3,470	95,100
May	1,350	2,390	4,020	8,050	72,200	704	3,340	3,470	95,500
June	1,350	2,390	4,020	8,050	72,200	704	3,340	3,470	95,500
July	1,350	2,390	4,020	8,050	64,900	753	3,340	3,470	88,300
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
January-September	12,100	21,500	36,200	72,400	625,000	6,780	30,000	31,200	835,000

<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	January-September	July	August	September	January-September
No. 1 wire and heavy:						
Smelters and refiners	72,700	54,500 <sup>r</sup>	5,690	5,690	5,690	45,500
Brass and wire-rod mills	400,000	310,000 <sup>r</sup>	31,200	30,600	29,300	292,000
No. 2 mixed heavy and light:						
Smelters and refiners	28,300	21,300 <sup>r</sup>	3,130	3,140	3,220	27,900
Brass and wire-rod mills	13,600	10,400	1,020	1,380	1,060	10,500
Total unalloyed scrap:						
Smelters and refiners	101,000	75,800 <sup>r</sup>	8,830	8,830	8,920	73,500
Brass and wire-rod mills	413,000	321,000	32,300	32,000	30,400	302,000
Red brass: <sup>3</sup>						
All plants	35,400	27,000 <sup>r</sup>	2,700	2,850	2,890	25,500
Leaded yellow brass:						
All plants	185,000	143,000	13,900	11,300	14,300	127,000
Yellow and low brass:						
All plants	176,000	138,000 <sup>r</sup>	11,800	14,900	12,400	117,000
Cartridge cases and brass:						
All plants	93,900	72,100 <sup>r</sup>	6,810	8,050	7,480	68,900
Auto radiators:						
Smelters and refiners	24,300	18,200 <sup>r</sup>	2,030	2,030	2,030	18,200
Bronzes:						
Smelters and refiners	10,300	7,760 <sup>r</sup>	862	862	862	7,760
Brass mills	7,110	5,450	318	360	404	3,450
Nickel-copper alloys:						
All plants	18,500	14,700 <sup>r</sup>	795	1,060	1,030	10,800
Low grade and residues:						
Smelters and refiners	35,000	26,200 <sup>r</sup>	2,910	2,910	2,910	26,200
Other alloy scrap: <sup>4</sup>						
Smelters and refiners	1,180	891 <sup>r</sup>	99	99	99	892
Brass mills	5,400	4,050 <sup>r</sup>	450	450	450	4,050
Total alloyed scrap:						
Smelters and refiners	109,000	81,500 <sup>r</sup>	9,050	9,050	9,050	81,500
Brass mills	484,000	376,000	33,600	35,800	35,900	328,000
Total scrap:						
Smelters and refiners	210,000	157,000 <sup>r</sup>	17,900	17,900	18,000	155,000
Brass and wire-rod mills	897,000	697,000	65,800	67,900	66,200	631,000

<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, zincy 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						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>	LME <sup>6</sup>	
<b>2006:</b> <sup>p</sup>								
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
<b>2007:</b>								
January	24,700	26,700	28,200	10,000 <sup>r</sup>	5,750	32,600	94,300	198,000 <sup>r</sup>
February	22,300	15,400	28,600	11,600 <sup>r</sup>	5,750	37,000	94,500	193,000 <sup>r</sup>
March	24,400	12,900	26,600	11,300 <sup>r</sup>	5,750	33,100	84,600	174,000 <sup>r</sup>
April	26,000	12,900	23,000	10,900 <sup>r</sup>	5,750	30,100	70,400	153,000 <sup>r</sup>
May	27,000	8,190	13,600	10,900 <sup>r</sup>	5,750	24,700	55,200	118,000 <sup>r</sup>
June	33,500	6,960	22,300	10,000 <sup>r</sup>	5,750	20,100	40,000	105,000 <sup>r</sup>
July	29,900	6,940	32,900	11,800 <sup>r</sup>	5,750	19,600	28,400	105,000 <sup>r</sup>
August	30,100	8,680	28,400	10,900 <sup>r</sup>	5,750	18,800	30,300	103,000 <sup>r</sup>
September	28,900	16,600	21,200	10,700	5,750	18,200	29,200	102,000

<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>Copper content of blister and anode.

<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
<b>2006:</b>			
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
<b>2007:</b>			
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
January-September	327.168	321.342	321.782

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

<sup>2</sup>Listed 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:				
September	320.65	282.05	208.10	125.30
October	315.34	285.23	216.09	129.27
November	298.18	272.48	216.50	126.85
December	286.97	266.36	206.50	121.56
January-December	291.03	260.50	183.93	105.43
2007:				
January	248.57	234.19	175.12	111.86
February	253.42	240.42	172.92	111.95
March	286.66	270.32	184.41	119.36
April	340.88	312.00	222.31	137.05
May	340.82	308.82	235.64	143.59
June	330.79	298.90	228.40	142.24
July	345.07	298.90	243.17	147.00
August	319.17	273.07	246.85	148.87
September	330.63	295.74	240.66	146.53
January-September	310.67	281.37	216.61	134.27

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 concentrate			Matte, ash, and precipitates			Blister and anodes			Refined		
	2007		January-August	2007		January-August	2007		January-August	2007		January-August
	2006	August		2006	August		2006	August		2006	August	
Austria	--	--	--	--	--	--	--	--	--	1,510	--	--
Belgium	--	--	--	13	--	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--	--	--	20,200	--	13,000
Canada	191	--	35	585	--	204	87,800	7,470	57,000	256,000	13,400	155,000
Chile	--	--	--	--	--	--	79,100	6,600	41,800	521,000	45,800	258,000
Finland	--	--	--	--	--	--	967	52	504	--	--	5
Germany	--	--	--	(2)	--	--	8	--	(2)	25,200	1,160	8,560
Japan	--	--	--	--	--	--	(2)	--	--	5,850	562	4,130
Kazakhstan	--	--	--	--	--	--	--	--	19	49,300	--	--
Mexico	--	--	--	22	--	--	2,810	455	4,340	28,800	3,660	49,400
Peru	--	21	27	--	--	--	--	--	--	158,000	13,100	93,200
Taiwan	--	--	--	1,170	91	692	--	--	--	--	--	5
Other	1	(2)	1	124	53	264	21	--	1	7,950	20	220
Total	192	21	62	1,910	144	1,160	171,000	14,600	104,000	1,070,000	77,700	581,000

-- 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 concentrate <sup>2</sup>			Matte, ash, and precipitates			Blister and anodes			Refined		
	2007			2007			2007			2007		
	2006	August	January - August	2006	August	January - August	2006	August	January - August	2006	August	January - August
Australia	--	--	--	1,840	--	--	70	--	31	64	--	30
Belgium	--	--	25	75	--	13	461	10	164	--	--	213
Canada	23,300	443	3,760	71,600	5,160	45,800	4,410	278	2,690	81,500	606	7,820
China	37,000	6,290	32,600	6,360	3	22	388	--	422	11,000	1,510	11,300
Costa Rica	--	--	--	10	--	(3)	(3)	(3)	2	14	1	20
Germany	--	--	560	2	--	46	1,360	162	1,320	126	17	519
Hong Kong	--	--	--	6	--	--	3,920	178	1,660	66	--	70
India	5,200	--	--	3	--	--	171	47	171	5,090	827	5,560
Japan	19,200	2,340	16,800	2	--	--	812	--	442	(3)	--	--
Korea, Republic of	2,980	--	595	11	18	35	946	385	925	123	43	84
Mexico	20,000	1,140	4,090	13,800	--	--	337	(3)	20	5,230	135	3,500
Saudi Arabia	--	--	--	--	--	--	--	4	5	93	--	9
Singapore	--	--	--	44	12	25	421	--	113	11	--	7
Spain	104	--	16	--	--	--	253	--	60	59	--	273
Sweden	1	--	--	--	--	11	1,820	153	236	164	--	--
Taiwan	16	--	--	15	--	--	1,590	121	840	191	7	49
Other	52	2	3,650	1,810	18	83	1,980	91	873	2,330	237	2,540
Total	108,000	10,200	62,000	95,600	5,210	46,000	18,900	1,430	9,980	106,000	3,380	32,000

-- 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.

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

(Metric tons, gross weight)

Country or territory	Unalloyed			Alloyed		
	2007			2007		
	2006	August	January- August	2006	August	January- August
Brazil	--	--	--	261	--	60
Canada	7,740	795	6,040	43,900	2,600	21,700
China	1	--	6	597	2	38
Costa Rica	1,760	115	846	1,740	233	1,680
Germany	35	2	86	2	--	17
Guatemala	190	33	202	2,310	227	1,190
Honduras	1,700	142	878	821	73	471
Jamaica	364	33	292	167	43	266
Japan	104	--	39	32	--	40
Mexico	6,920	516	3,980	29,600	2,770	20,000
Nicaragua	874	37	501	443	14	302
Singapore	--	--	--	367	--	74
Taiwan	--	--	--	231	17	49
United Kingdom	183	18	100	646	16	530
Other	5,060	4,290	20,300	11,500	439	4,010
Total	24,900	5,980	33,300	92,600	6,430	50,400

-- 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		No. 2		Other			Segregated		Unsegregated	
		August	January - August	August	January - August	August	January - August		August	January - August	August	January - August
Belgium	1,380	--	1,400	133	453	47	298	12,700	80	782	1,370	9,390
Canada	71,700	--	--	--	--	1,580	7,640	38,800	1,840	4,960	2,400	21,800
China	247,000	2,150	17,400	12,300	84,300	4,850	41,900	257,000	9,330	62,400	26,900	198,000
Germany	15,200	20	1,050	136	1,260	685	3,550	15,400	--	216	1,070	4,790
Hong Kong	7,060	--	296	473	4,350	114	1,580	11,600	61	646	1,340	10,800
India	1,600	18	18	--	--	5,910	8,730	10,700	889	5,350	599	2,030
Japan	7,730	79	671	119	622	458	4,450	8,020	268	1,880	534	4,230
Korea, Republic of	20,700	1,240	7,190	506	3,870	721	5,150	13,000	250	1,700	912	7,770
Mexico	815	--	41	--	4	18	276	6,770	38	765	177	1,470
Spain	386	--	--	138	484	--	--	9,340	--	--	1,500	9,450
Taiwan	22,300	115	1,950	509	3,500	58	9,700	9,930	420	1,630	759	7,260
Thailand	201	--	19	--	--	160	614	331	--	--	--	60
United Kingdom	105	--	2	--	--	--	19	482	--	87	47	287
Other	2,770	724	1,820	215	631	325	5,620	10,300	402	5,220	1,190	9,720
Total	399,000	4,340	31,900	14,600	99,400	14,900	89,600	404,000	13,600	85,600	38,800	287,000

-- 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.