

Mineral Industry Surveys

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COPPER IN FEBRUARY 2020

In February 2020, domestic mine production of recoverable copper was 93,200 metric tons (t). The average daily mine production was 3,220 t, a slight decrease from that in January and a decline of 7% compared with that in February 2019 (fig. 1). Year-to-date recoverable mine production through February 2020 was 194,000 t, slightly lower than that through the same period in 2019 (table 2).

Year-to-date estimated smelter production through February 2020 was 60,000 t, an increase of 14% relative to the same period in 2019 (table 3).

Total refinery production in the United States was 74,200 t in February 2020; data for electrolytic and electrowon output, as well as refined production from scrap, are reported in table 4. Average daily total refinery production was 2,560 t, a slight increase from that in January and 5% higher than that in February 2019 (fig. 1). Year-to-date refinery output through February 2020 was 152,000 t, a slight increase compared with that through February 2019 (table 4).

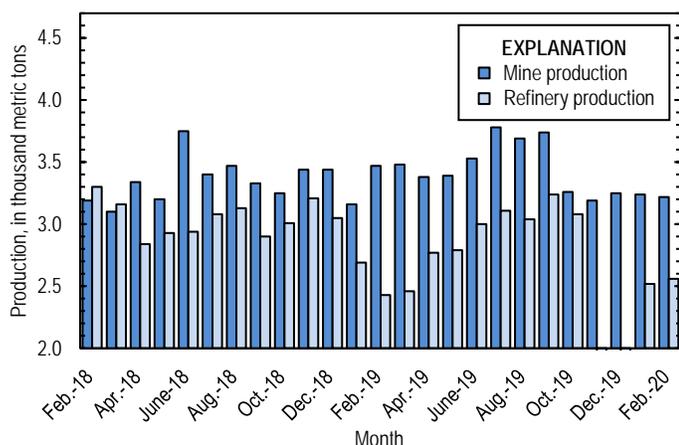


Figure 1. Average daily U.S. copper mine (recoverable) and total refinery production from February 2018 through February 2020. Refinery production in November and December 2019 were withheld to avoid disclosing company proprietary data.

Owing to temporary closures of ASARCO LLC's (Tucson, AZ) smelter and electrolytic refinery as a result of a worker strike, smelter and electrolytic refinery production reported to the U.S. Geological Survey in February 2020 were withheld to avoid disclosing company proprietary data. Smelter and electrolytic refinery output in tables 3 and 4 are estimates based on information in quarterly public company reports.

Estimated U.S. smelter production in February 2020 was 30,000 t. The estimated average daily output was 1,030 t, 64% greater than that in February 2019, when one of the three domestic smelters was undergoing scheduled maintenance.

Prices

The average February 2020 COMEX spot copper price was \$2.58 per pound, a decrease of 6% from \$2.75 per pound in January and 10% lower than \$2.86 per pound in February 2019 (fig. 2, table 11). This decline was primarily attributed by analysts to reduced global demand for copper owing to the coronavirus outbreak in China (Rutland, 2020). In 2019, China accounted for 52% of worldwide refined copper consumption (International Copper Study Group, 2020, p. 19). The average U.S. dealers buying price of number 2 scrap in February 2020 was \$1.85 per pound, 8% less than \$2.00 per pound in January (fig. 2, table 12).

Stocks

Refined copper stocks in the United States totaled 107,000 t at the end of February 2020, an increase of 14% from those in January and 45% lower than those in February 2019 (table 10). Stocks at wire-rod mills fell by 11%, and COMEX stocks decreased by 6%, corresponding with stable domestic consumption of refined copper; consumption in the United States was 156,000 t in February 2020, down slightly from 160,000 t in January (table 7). Conversely, London Metal Exchange Ltd. stocks in U.S. warehouses rose by 90% compared with those at the end of January (fig. 3, table 10), consistent with decreased demand for copper in China as a result of the coronavirus outbreak (Rutland, 2020).

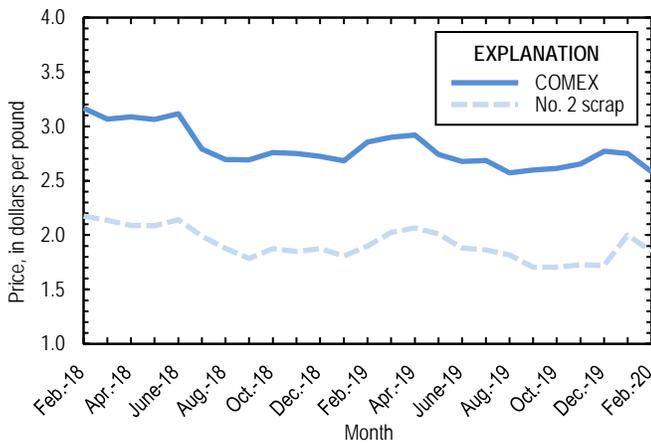


Figure 2. Monthly average COMEX copper price and no. 2 copper scrap dealers buying price from February 2018 through February 2020. As of January 2020, no. 2 prices were available only for the entire United States, whereas no. 2 prices were available only for individual domestic markets prior to January 2020. Prices shown prior to January 2020 are for New York dealers no. 2 scrap. Sources: American Metal Market, Platts Metals Week.

Industry News

China.—The outbreak of coronavirus broadly impacted the copper industry in China and other countries. Low demand for sulfuric acid used by solvent extraction mines in China forced numerous smelters to reduce production, shipments of copper concentrates from Chile and Mongolia to smelters in China were delayed or suspended because of the reduced demand for concentrates, and anode deliveries to refineries in China were disrupted owing to transportation issues (CRU International Ltd., 2020, p. 13, 15–16). In February, mine, smelter, and refinery production in China decreased by 24%, 14%, and 18%, respectively, compared with those in January (International Copper Study Group, 2020, p. 11, 13, 15).

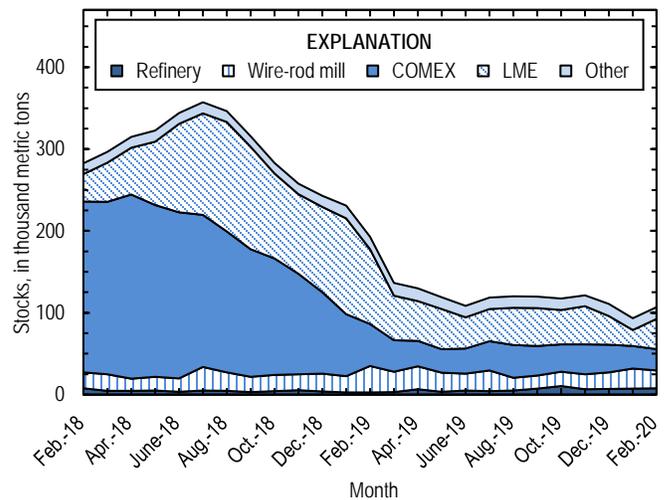


Figure 3. Monthly domestic refined copper stocks, by type, from February 2018 through February 2020. Sources: American Metal Market, London Metal Exchange Ltd., and U.S. Geological Survey.

References Cited

- CRU International Ltd., 2020, CRU copper monitor: London, United Kingdom, CRU International Ltd., February 28, 20 p. (Accessed August 4, 2020, via <http://www.crugroup.com/>.)
- International Copper Study Group, 2020, Copper bulletin: Lisbon, Portugal, International Copper Study Group, v. 27, no. 5, May, 53 p. (Accessed July 16, 2020, via <http://www.icsg.org/>.)
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TABLE 1
SALIENT STATISTICS OF THE COPPER INDUSTRY IN THE UNITED STATES¹

(Metric tons of copper content, unless otherwise specified)

	Source table ²	2019 ^p	2020		January– February
			January	February	
Production:					
Primary:					
Mine, recoverable	(2)	1,260,000	100,000	93,200	194,000
Smelter	(3)	464,000	30,000 ^e	30,000 ^e	60,000 ^e
Refinery:					
Electrolytic, domestic and foreign	(4)	457,000	30,000 ^e	30,000 ^e	60,000 ^e
Electrowon	(4)	528,000	45,000	41,000	86,000
Total	(4)	985,000	75,000	71,000	146,000
Secondary recoverable copper:³					
Refineries	(5)	44,400	3,260	3,220	6,480
Ingot makers ⁴	(5)	57,900	4,820	4,820	9,650
Brass and wire-rod mills	(5)	653,000	57,200 ^r	56,000	113,000
Foundries, etc. ⁴	(5)	36,700	3,060	3,060	6,120
Consumption:					
Apparent	(8)	1,810,000	163,000 ^r	102,000	266,000
Refined (reported)	(7)	1,830,000	160,000	156,000	316,000
Purchased copper-base scrap (gross weight)	(9)	924,000	79,500 ^r	78,700	158,000
Stocks at end of period:					
Total refined	(10)	111,000	93,300	107,000	107,000
Blister and anodes	(10)	16,400	9,590	17,900	17,900
Price, U.S. producers cathode (cents per pound) ⁵	(11)	279.596	282.467	265.695	274.081
Imports:⁶					
Ore and concentrates	(13)	27,000	--	--	--
Refined	(13)	663,000	62,300	34,400	96,700
Exports:⁶					
Ore and concentrates	(14)	363,000	26,600	28,300	54,900
Refined	(14)	125,000	4,170	2,470	6,630

^eEstimated. ^pPreliminary. ^rRevised. W Withheld to avoid disclosing company proprietary data. -- 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 tables where these data are located.

³Copper recovered from copper-base scrap only.

⁴Estimated based on the monthly average of 2018 annual data.

⁵Source: Platts Metals Week.

⁶Source: U.S. Census Bureau.

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
2019: ^P						
January–February	132,000	63,400	195,000	82,100	117,000	199,000
February	63,600	33,500	97,100	39,800	59,500	99,200
March	72,400	35,500	108,000	44,600	65,700	110,000
April	69,700	31,600	101,000	41,300	62,300	104,000
May	71,500	33,700	105,000	44,700	62,800	108,000
June	73,400	32,400	106,000	45,900	62,100	108,000
July	79,200	38,000	117,000	47,600	72,300	120,000
August	77,400	37,200	115,000	46,500	70,500	117,000
September	74,000	38,100	112,000	44,700	69,900	115,000
October	72,300	28,600	101,000	45,800	57,100	103,000
November	66,000	29,800	95,800	41,100	56,800	97,900
December	70,100	30,500	101,000	43,200	59,600	103,000
January–December	858,000	399,000	1,260,000	528,000	756,000	1,280,000
2020:						
January	71,500	28,900	100,000	45,000	58,400	103,000
February	64,500	28,700	93,200	41,000	54,300	95,300
January–February	136,000	57,600	194,000	86,000	113,000	199,000

^PPreliminary.

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

²Includes production from Michigan, 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^{1,2}

(Metric tons, copper content)

Period	Anode production
2019: ^p	
January–February	52,400
February	17,700
March	37,000
April	32,900
May	54,100
June	51,800
July	34,500
August	49,200
September	43,200
October	43,800
November	W
December	W
January–December	464,000
2020: ^{e,3}	
January	30,000
February	30,000
January–February	60,000

^eEstimated. ^pPreliminary. W Withheld to avoid disclosing company proprietary data.

¹Includes blister and copper anode from primary or secondary sources.

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

³To avoid disclosing company proprietary data, monthly smelter production data in 2020 are estimates based on information from public company reports and do not reflect actual production reported to the U.S. Geological Survey.

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		
2019: ^P					
January–February	62,100	82,100	144,000	7,110	151,000
February	25,000	39,800	64,800	3,330	68,100
March	27,800	44,600	72,500	3,950	76,400
April	38,100	41,300	79,400	3,600	83,000
May	38,300	44,700	83,000	3,470	86,500
June	40,600	45,900	86,500	3,480	90,000
July	45,100	47,600	92,700	3,860	96,500
August	41,800	46,500	88,300	5,860	94,200
September	49,000	44,700	93,700	3,360	97,000
October	46,500	45,800	92,300	3,220	95,500
November	W	41,100	W	3,240	W
December	W	43,200	W	3,240	W
January–December	457,000	528,000	985,000	44,400	1,030,000
2020:					
January	30,000 ^{e,3}	45,000	75,000	3,260	78,200
February	30,000 ^{e,3}	41,000	71,000	3,220	74,200
January–February	60,000 ^{e,3}	86,000	146,000	6,480	152,000

^eEstimated. ^PPreliminary. W Withheld to avoid disclosing company proprietary data.

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

²From domestic and foreign source materials.

³To avoid disclosing company proprietary data, monthly electrolytically refined production data in 2020 are estimates based on information from public company reports and do not reflect actual production reported to the U.S. Geological Survey.

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 ^e	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	
2019: ^p									
January–February	3,350	3,750	1,540	8,110	104,000	6,690	4,290	1,830	134,000
February	1,680	1,660	768	4,060	51,900	3,170	2,150	913	66,300
March	1,680	2,270	768	4,060	52,200	3,310	2,150	913	67,400
April	1,680	1,930	768	4,060	51,400	3,340	2,150	913	66,200
May	1,680	1,790	768	4,060	51,600	3,330	2,150	913	66,300
June	1,680	1,800	768	4,060	51,400	3,550	2,150	913	66,300
July	1,680	2,190	768	4,060	49,100	3,590	2,150	913	64,400
August	1,680	4,180	768	4,060	52,800	3,030	2,150	913	69,600
September	1,680	1,680	768	4,060	49,700	2,330	2,150	913	63,300
October	1,680	1,540	768	4,060	51,000	2,490	2,150	913	64,600
November	1,680	1,560	768	4,060	51,700	2,560	2,150	913	65,400
December	1,680	1,560	768	4,060	51,800	2,290	2,150	913	65,200
January–December	20,100	24,200	9,220	48,700	617,000	36,500	25,800	11,000	792,000
2020:									
January	1,680	1,590	768	4,060	53,400 ^r	3,750 ^r	2,150	913	68,300 ^r
February	1,680	1,540	768	4,060	52,400	3,580	2,150	913	67,100
January–February	3,350	3,130	1,540	8,110	106,000	7,340	4,290	1,830	135,000

^eEstimated ^pPreliminary. ^rRevised.

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

²Electrolytically refined and fire refined from scrap based on source of material at smelter or refinery level.

³Monthly data estimated based on the monthly average of 2018 annual data.

⁴Does not include an estimate, based on reported 2018 annual data, of 3,380 tons per month from new scrap and 2,710 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
2019: ^p						
January–February	148,000	216,000	147,000	226,000	29,900	17,100
February	73,500	103,000	73,600	110,000	29,900	17,100
March	74,200	117,000	73,800	112,000	30,400	22,400
April	73,700	104,000	73,900	111,000	30,200	23,800
May	73,800	116,000	74,100	112,000	29,800	28,400
June	73,600	109,000	73,500	116,000	30,000	22,100
July	70,300	110,000	70,900	113,000	29,400	25,200
August	73,800	112,000	73,700	116,000	29,500	22,700
September	73,200	113,000	73,300	110,000	29,400	26,400
October	73,900	112,000	74,000	114,000	29,200	23,800
November	73,200	101,000	73,000	100,000	29,400	24,600
December	72,700	93,500	72,200	94,100	29,900	24,000
January–December	880,000	1,300,000	880,000	1,320,000	29,900	24,000
2020:						
January	73,700 ^r	110,000	74,200	106,000	29,400 ^r	27,800
February	73,900	110,000	73,600	106,000	29,700	31,800
January–February	148,000	219,000	148,000	212,000	29,700	31,800

^pPreliminary. ^rRevised.

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	Brass mills	Wire-rod mills	Other plants ²	Total
2019: ^p				
January–February	69,700	223,000	10,900	303,000
February	34,800	106,000	5,450	147,000
March	34,900	123,000	5,450	164,000
April	34,900	119,000	5,450	160,000
May	35,400	114,000	5,450	155,000
June	34,200	110,000	5,450	150,000
July	34,100	107,000	5,450	147,000
August	34,000	116,000	5,450	155,000
September	34,100	110,000	5,450	150,000
October	34,200	118,000	5,450	158,000
November	34,100	112,000	5,450	151,000
December	33,100	104,000	5,450	142,000
January–December	413,000	1,360,000	65,400	1,830,000
2020:				
January	34,500	120,000	5,450	160,000
February	33,600	117,000	5,450	156,000
January–February	68,100	237,000	10,900	316,000

^pPreliminary.

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

²Monthly consumption data by ingot makers, chemical plants, foundries, and miscellaneous manufacturers are estimated based on the monthly average of 2018 annual data.

TABLE 8
U.S. APPARENT CONSUMPTION OF COPPER¹

(Metric tons)

Period	Primary refined copper production	Copper in old scrap ²	Refined imports for consumption ³	Refined exports ³	Stock change during period	Apparent consumption
2019: ^p						
January–February	144,000	25,800	94,600	25,700	-49,900	289,000
February	64,800	12,500	37,500	13,100	-37,900	140,000
March	72,500	13,300	40,500	10,200	-56,500	172,000
April	79,400	12,900	65,400	13,500	-6,390	151,000
May	83,000	12,800	52,400	11,000	-11,200	148,000
June	86,500	13,000	55,200	13,800	-10,100	151,000
July	92,700	13,500	68,200	9,810	10,000	155,000
August	88,300	14,900	50,500	6,960	1,580	145,000
September	93,700	11,700	60,700	8,410	-484	158,000
October	92,300	11,700	66,800	8,540	-2,550	165,000
November	W	11,800	49,000	9,510	4,330	W
December	W	11,500	59,500	7,830	-10,900	W
January–December	985,000	153,000	663,000	125,000	-132,000	1,810,000
2020:						
January	75,000	13,000 ^r	62,300	4,170	-17,300	163,000 ^r
February	71,000	12,800	34,400	2,470	13,400	102,000
January–February	146,000	25,800	96,700	6,630	-3,890	266,000

^pPreliminary. ^rRevised. W Withheld to avoid disclosing company proprietary data.

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 2018 annual 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 ^e	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	
2019: ^p									
January–February	3,460	3,870	4,020	9,970	120,000	6,870	5,200	1,800	155,000
February	1,730	1,710	2,010	4,990	59,900	3,260	2,600	900	77,100
March	1,730	2,340	2,010	4,990	60,200	3,410	2,600	900	78,200
April	1,730	1,990	2,010	4,990	59,400	3,450	2,600	900	77,100
May	1,730	1,850	2,010	4,990	59,700	3,540	2,600	900	77,400
June	1,730	1,850	2,010	4,990	59,400	3,910	2,600	900	77,400
July	1,730	2,260	2,010	4,990	57,100	3,880	2,600	900	75,500
August	1,730	4,310	2,010	4,990	61,000	3,240	2,600	900	80,800
September	1,730	1,730	2,010	4,990	57,800	2,510	2,600	900	74,300
October	1,730	1,730	2,010	4,990	59,200	2,720	2,600	900	75,900
November	1,730	1,610	2,010	4,990	59,800	2,760	2,600	900	76,400
December	1,730	1,610	2,010	4,990	59,900	2,460	2,600	900	76,200
January–December	20,700	25,100	24,100	59,800	714,000	38,800	31,200	10,800	924,000
2020:									
January	1,730	1,660	2,010	4,990	61,600 ^r	3,960 ^r	2,600	900	79,500 ^r
February	1,730	2,180	2,010	4,990	60,500	3,790	2,600	900	78,700
January–February	3,460	3,840	4,020	9,970	122,000	7,750	5,200	1,800	158,000

^eEstimated. ^pPreliminary. ^rRevised.

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

²Monthly data estimated based on the monthly average of 2018 annual data.

³Consumption at brass and wire-rod mills assumed equal to receipts.

TABLE 10
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		
2019:^P								
February	10,200	2,750	32,300	8,270	7,070	51,200	91,300	193,000
March	15,000	2,970	24,800	8,400	7,070	38,700	54,400	136,000
April	8,860	6,630	28,100	8,370	7,070	31,100	48,600	130,000
May	9,210	3,550	23,200	7,250	7,070	28,700	49,000	119,000
June	13,600	5,000	20,700	7,120	7,070	30,700	38,000	109,000
July	15,500	4,350	25,000	7,070	7,070	36,000	39,200	119,000
August	14,500	5,050	15,400	6,930	7,070	40,000	45,700	120,000
September	8,340	7,180	16,200	6,800	7,070	36,000	46,500	120,000
October	25,400	10,600	17,500	6,680	7,070	33,200	42,200	117,000
November	10,200	6,650	18,200	6,580	7,070	36,400	46,600	121,000
December	16,400	7,010	20,000	7,520	7,070	34,100	35,000	111,000
2020:								
January	9,590	7,210	24,800	7,330	7,070	27,600	19,300	93,300
February	17,900	7,810	21,900	7,250	7,070	26,000	36,700	107,000

^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 2018 annual data, comprising stocks at ingot makers, chemical plants, foundries, and miscellaneous manufacturers.

⁵London Metal Exchange Ltd., U.S. warehouses.

TABLE 11
 AVERAGE PRICE OF COPPER IN THE UNITED STATES
 AND ON THE LONDON METAL EXCHANGE

(Cents per pound)

Period	U.S. producers cathode ¹	Comex first position ²	LME cash price Grade A
2019:			
February	293.129	285.566	284.754
March	297.974	289.974	292.581
April	299.820	292.007	292.317
May	282.232	274.282	273.412
June	274.968	267.843	266.166
July	275.657	268.657	269.397
August	264.293	257.243	258.890
September	266.490	259.740	260.588
October	268.065	261.165	260.470
November	272.588	265.463	265.774
December	284.342	277.029	274.970
Year	279.596	272.267	272.364
2020:			
January	282.467	274.967	274.362
February	265.695	258.382	257.907
January-February	274.081	266.675	266.135

¹Sum of "Comex high grade first position" and "NY dealer premium cathode."

²Listed as "Comex high grade first position."

Source: Platts Metals Week.

TABLE 12
AVERAGE BUYING PRICES FOR COPPER SCRAP

(Cents per pound)

Period	Brass mills No. 1 scrap	Refiners No. 2 scrap	Dealers (United States) ¹	
			No. 2 scrap	Red brass turnings and borings
2019:				
February	278.66	252.39	189.82	140.42
March	282.69	253.31	202.50	145.00
April	284.26	252.17	206.50	147.00
May	265.41	231.95	201.05	143.18
June	257.40	225.70	188.00	138.00
July	258.48	227.95	186.32	138.00
August	247.20	217.00	181.68	134.18
September	250.05	220.50	170.50	131.00
October	250.04	221.04	170.50	128.00
November	253.84	224.84	172.50	127.53
December	264.76	236.19	172.12	127.00
Year	262.76	233.19	185.19	136.53
2020:				
January	262.29	234.76	200.00	139.00
February	244.87	218.26	185.00	115.00
January–February	253.58	226.51	192.50	127.00

¹As of January 2020, domestic dealers prices were available only for the entire United States, whereas dealers prices were available only for individual domestic markets prior to January 2020. Dealers prices in 2019 are for New York, and dealers prices in 2020 are for the entire United States.

Source: American Metal Market.

TABLE 13
U.S. IMPORTS FOR CONSUMPTION OF COPPER (UNMANUFACTURED), BY CLASS¹

(Metric tons, copper content)

Country or locality	Ore and concentrates ²			Matte, ash, and precipitates ³			Blister and anodes			Refined		
	2020			2020			2020			2020		
	2019	February	January–February	2019	February	January–February	2019	February	January–February	2019	February	January–February
Belgium	--	--	--	228	109	109	--	--	--	2,300	--	--
Bolivia	--	--	--	13	--	--	--	--	--	1,510	264	264
Canada	(4)	--	--	451	11	11	(4)	(4)	(4)	138,000	12,200	24,800
Chile	--	--	--	--	--	--	--	--	--	422,000	12,400	53,800
Finland	--	--	--	--	--	--	191	--	--	38	--	--
Germany	--	--	--	(4)	--	--	--	--	--	2,010	172	506
Japan	--	--	--	295	--	--	(4)	--	--	2,540	212	454
Mexico	27,000	--	--	138	(4)	(4)	(4)	--	--	82,300	5,890	11,500
Netherlands	--	--	--	120	--	--	4	--	--	(4)	--	--
Peru	(4)	--	--	--	--	--	--	--	--	10,000	2,810	4,810
Saudi Arabia	--	--	--	98	--	--	--	--	--	--	--	--
Spain	--	--	--	540	--	--	1	--	--	(4)	450	450
Tunisia	--	--	--	--	--	--	35	--	--	--	--	--
Zambia	--	--	--	--	--	--	--	--	--	689	--	--
Other	27	--	--	76	1	1	5	(4)	1	1,160	46	137
Total	27,000	--	--	1,960	121	121	236	1	1	663,000	34,400	96,700

-- Zero.

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

²Copper ore and concentrates only; excludes copper contained in ore and concentrates of other metals.

³Copper matte, ash, and precipitates only; excludes the copper content of mattes and ashes of other metals.

⁴Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 14
U.S. EXPORTS OF COPPER (UNMANUFACTURED), BY CLASS¹

(Metric tons, copper content)

Country or locality	Ore and concentrates ²			Matte, ash, and precipitates ³			Blister and anodes			Refined		
	2020			2020			2020			2020		
	2019	February	January–February	2019	February	January–February	2019	February	January–February	2019	February	January–February
Austria	--	--	--	--	--	--	127	--	--	--	--	--
Belgium	161	27	54	3,290	654	1,230	359	31	54	129	--	--
Brazil	5,370	--	--	--	--	--	39	8	8	1	--	--
Bulgaria	15,900	--	--	--	--	--	--	--	--	--	--	--
Canada	14,400	4,520	6,790	14,700	1,350	2,180	2,600	40	438	32,100	1,210	4,160
China	7	--	--	97	(4)	(4)	200	--	20	13	--	23
Germany	--	--	--	597	--	13	286	40	40	1	--	--
Hong Kong	--	2	2	19	--	--	279	20	20	20	1	1
India	--	--	--	--	--	--	259	17	43	36	--	--
Italy	--	--	--	--	--	--	208	--	--	26	(4)	84
Japan	27,400	--	--	48	--	--	26	--	--	11	(4)	1
Korea, Republic of	15,500	100	2,060	74	--	--	1,520	113	249	682	4	5
Malaysia	35	--	--	--	--	--	188	34	34	1	--	--
Mexico	248,000	18,700	39,000	1,210	--	--	32	1	5	92,100	1,230	2,330
Philippines	11,900	1,890	1,890	--	--	--	56	--	--	2	--	--
Slovakia	--	--	--	1,070	118	333	--	--	--	--	--	--
Spain	22,700	3,030	5,070	259	60	120	61	--	--	--	--	--
Sweden	--	--	--	--	--	--	463	--	--	(4)	--	--
Other	1,940	35	53	763	97	97	564	343	354	181	15	30
Total	363,000	28,300	54,900	22,200	2,280	3,970	7,270	648	1,270	125,000	2,470	6,630

-- Zero.

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

²Copper ore and concentrates only; excludes copper contained in ore and concentrates of other metals.

³Copper matte, ash, and precipitates only; excludes the copper content of mattes and ashes of other metals.

⁴Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 15
U.S. IMPORTS FOR CONSUMPTION OF COPPER SCRAP¹

(Metric tons, gross weight)

Country or locality	Unalloyed			Alloyed		
	2020			2020		
	2019	February	January– February	2019	February	January– February
Bahamas	--	--	--	736	66	171
Canada	16,700	1,150	2,640	49,900	3,000	6,530
Chile	--	--	--	1,300	--	--
Colombia	251	--	--	1,050	39	114
Costa Rica	473	--	11	1,160	64	169
Dominican Republic	610	65	98	2,120	145	232
El Salvador	--	--	--	695	50	88
Germany	188	28	55	111	--	23
Guatemala	17	--	--	603	13	33
Honduras	63	14	27	679	69	136
Japan	1,040	--	--	--	--	--
Mexico	11,500	724	1,470	42,100	3,010	6,420
Pakistan	151	--	--	--	--	--
Panama	736	151	246	483	31	78
Suriname	124	18	18	100	9	14
Venezuela	28	--	--	554	--	--
Vietnam	114	14	22	17	3	7
Other	519	31	72	3,850	160	298
Total	32,600	2,200	4,660	105,000	6,660	14,300

-- Zero.

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

Source: U.S. Census Bureau.

TABLE 16
U.S. EXPORTS OF COPPER SCRAP¹

(Metric tons, gross weight)

Country or locality	Unalloyed							Alloyed				
	2020							2020				
	2019	No. 1		No. 2		Other		2019	Segregated		Unsegregated	
		February	January– February	February	January– February	February	January– February		February	January– February	February	January– February
Belgium	23,600	577	1,020	1,340	2,400	98	196	14,300	117	196	879	1,310
Canada	49,200	--	--	--	--	4,630	9,010	42,000	--	--	2,440	4,990
China	74,800	2,150	3,860	1,290	2,990	1,360	2,410	13,100	38	55	144	705
Germany	29,400	1,910	3,080	550	1,260	716	1,410	14,300	78	157	1,320	2,540
Greece	8,180	254	575	122	300	135	388	973	76	170	114	132
Hong Kong	19,900	321	696	39	39	335	579	30,500	283	586	1,540	2,380
India	14,400	330	618	637	1,070	376	898	45,500	2,580	4,950	1,800	2,980
Japan	22,600	78	391	394	1,040	463	731	20,300	150	234	1,020	1,910
Korea, Republic of	46,900	2,680	5,410	593	1,460	530	1,460	25,000	722	1,640	918	1,870
Malaysia	65,300	312	728	836	2,040	2,220	5,000	156,000	1,280	3,140	6,830	12,700 ^{mm}
Netherlands	4,300	164	286	60	79	--	--	1,010	--	--	91	111
Pakistan	882	--	12	70	156	--	--	19,800	43	63	1,360	3,260
Poland	5,450	592	939	96	396	--	642	45	--	--	--	38
Spain	1,510	26	69	122	178	40	79	8,510	431	624	362	649
Taiwan	20,300	618	1,470	342	981	773	2,120	20,300	351	732	640	1,520
Thailand	4,120	408	614	255	473	288	862	16,300	542	1,210	828	2,110
Other	31,200	1,660	3,300	1,610	3,270	1,020	1,690	21,300	206	428	1,460	2,670
Total	422,000	12,100	23,100	8,350	18,100	13,000	27,500	450,000	6,890	14,200	21,700	41,900

-- Zero.

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

Source: U.S. Census Bureau.