Mineral Industry Surveys

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COPPER IN MAY 2021

In May 2021, domestic mine production of recoverable copper was 99,200 metric tons (t). The average daily mine production was 3,200 t, an increase of 3% from that in April and slightly less than that in May 2020 (fig. 1). Year-to-date recoverable mine output was 489,000 t, a slight decrease compared with that through May 2020 (table 2).

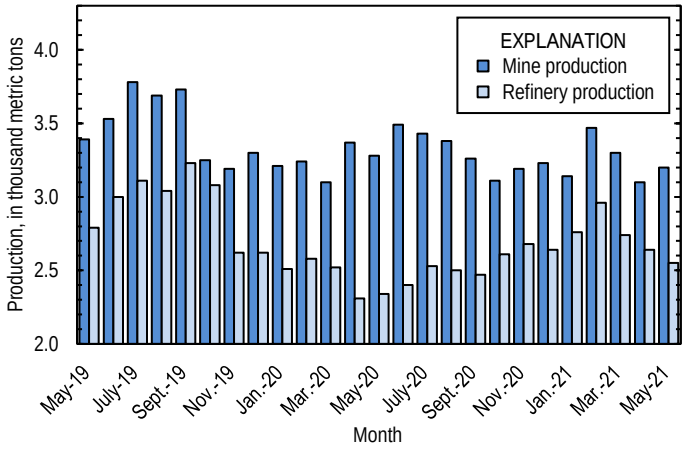

Figure 1. Average daily U.S. copper mine (recoverable) and refinery (primary and secondary) production from May 2019 through May 2021. Refinery production in November and December 2019 were withheld to avoid disclosing company proprietary data; the values shown reflect the daily average for cumulative production over this period rather than production in each month.

Owing to temporary closures of ASARCO LLC's smelter in Arizona and electrolytic refinery in Texas, smelter and electrolytic refinery production reported to the U.S. Geological Survey in May 2021 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 company reports. The facilities shut down in October 2019 because of a worker strike, which reportedly ended in July 2020 (Wichner, 2021). As of May 2021, ASARCO had not announced when operations were expected to resume or a reason for the continued closures. The three ASARCO mines in Arizona have continued to operate during the smelter and refinery stoppages.

Estimated U.S. smelter production was 30,000 t in May 2021. Year-to-date estimated smelter production was 165,000 t, 27% higher than that through May 2020 (table 3).

Total refinery production in the United States was 79,100 t in May 2021; data for electrolytic and electrowon output, as well as refined production from scrap, are reported in table 4. Average daily total refinery production was 2,550 t, a decrease of 3% from that in April and 9% more than that in May 2020 (fig. 1). Year-to-date refinery output was 412,000 t, an increase of 10% relative to the same period in 2020 (table 4).

Prices

In May 2021, the COMEX spot copper price rose for the thirteenth consecutive month and averaged $4.64 per pound, greater than the previous monthly record high of $4.49 per pound in February 2011. The May COMEX price increased by 9% from $4.25 per pound in April and was 94% higher than $2.39 per pound in May 2020 (fig. 2, table 11). Factors that contributed to the record high COMEX price included strong global manufacturing activity, constrained growth in world copper production relative to demand, supply constraints owing to shipping delays, a weakening U.S. dollar, and investor optimism (Barich, 2021; Cecil and Nickels, 2021). The average U.S. dealers buying price of number 2 copper scrap in May 2021 was $3.42 per pound, 18% greater than $2.89 per pound in April and a more than twofold increase compared with $1.65 per pound in May 2020 (fig. 2, table 12).

Stocks

Refined copper stocks in the United States totaled 86,900 t at the end of May 2021, a decline of 14% from those in April and 37% lower than those in May 2020. London Metal Exchange Ltd. stocks in U.S. warehouses fell by 8,330 t (84%), and COMEX stocks decreased by 5,170 t (9%) compared with those at the end of May (fig. 3, table 10).

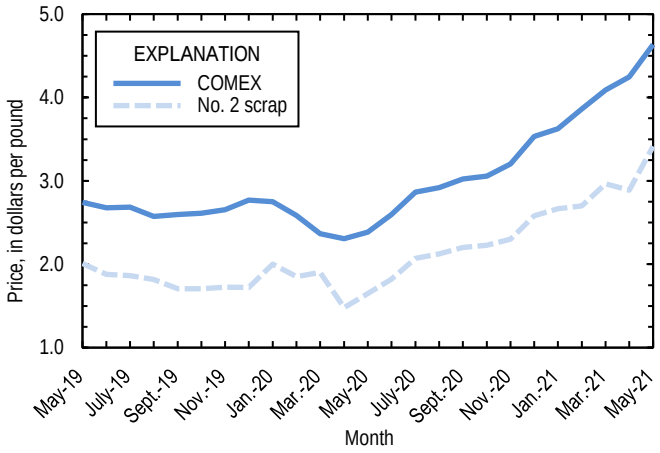

Figure 2. Monthly average COMEX copper price and no. 2 copper scrap dealers buying price from May 2019 through May 2021. As of January 2020, no. 2 prices were available only for the entire United States, whereas no. 2 prices were available only for individual domestic markets prior to January 2020. Prices shown prior to January 2020 are for New York dealers no. 2 scrap. Sources: Fastmarkets-AMM and S&P Global Platts Metals Week.

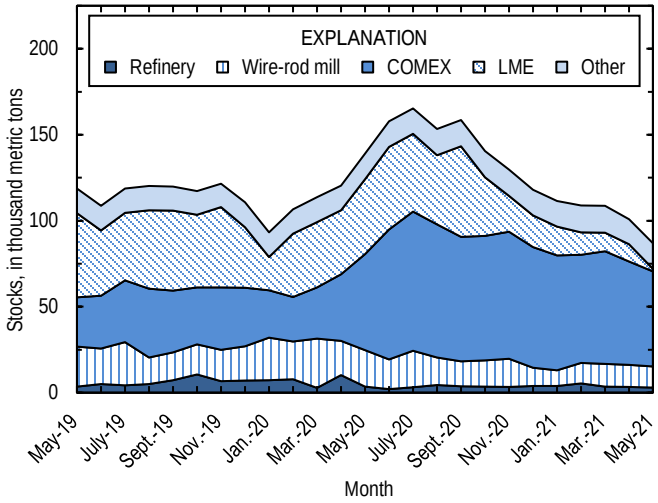

Figure 3. Domestic refined copper stocks at end of month, by type, from May 2019 through May 2021. Sources: Fastmarkets-AMM, London Metal Exchange Ltd., and U.S. Geological Survey.

Industry News

Burma.—According to Fastmarkets-AMM, operations at the two copper mines in Burma were suspended indefinitely owing to transportation and personnel issues following a military coup in February. The mines have a combined annual capacity of 170,000 t of copper cathode produced by solvent extraction and electrowinning (International Copper Study Group, 2021b, p. 118; Luk, 2021).

China.—China is a leading importer of copper and copper-alloy scrap. In 2020, the country accounted for 20% of the gross weight of all global copper scrap imports (International Copper Study Group, 2021a, p. 40–41). In May 2021, a group of 15 major copper smelters in China announced that they would significantly reduce purchases of copper concentrates. The facilities will likely utilize larger volumes of copper scrap owing to high copper prices and declining output of mined copper in Chile, the leading supplier of copper concentrates to Chinese smelters. Shipments of copper scrap into China decreased in each of the past three years following the enactment of import restrictions in early 2018, but copper scrap imports in the first quarter of 2021 increased by 73% compared with the same period in 2020 (Hu, 2021). Exports of copper scrap to China from the United States totaled 85,300 t (gross weight) through May 2021, 5% higher than that for all of 2020 (table 16).

Congo (Kinshasa).—Zijin Mining Group Co., Ltd. announced that copper production commenced at the Kamoa-Kakula Mine on May 25. The next phase of the project was projected to be completed in the third quarter of 2022. At full capacity, the company expected the mine to produce approximately 400,000 metric tons per year of copper, which would represent the largest addition to global copper mine capacity since the Cobre Panama Mine came online in 2018 (Zijin Mining Group Co., Ltd., 2021).

References Cited

Barich, Anthony, 2021, Copper touches $10,000/t for 1st time since 2011 amid Chile strike, virus woes: S&P Capital IQ, May 3. (Accessed December 13, 2021, via https://platform.spgi.spglobal.com/.)

Cecil, Ronnie, and Nickels, Luke, 2021, Commodity monthly—Copper May 2021: S&P Global Market Intelligence, 5 p. (Accessed December 13, 2021, via https://platform.spgi.spglobal.com/.)

Hu, Tracy, 2021, China's copper smelters cut concentrate purchases as scrap supply surges: S&P Capital IQ, May 13. (Accessed December 13, 2021, via https://platform.spgi.spglobal.com/.)

International Copper Study Group, 2021a, Copper bulletin: Lisbon, Portugal, International Copper Study Group, v. 28, no. 11, November, 53 p. (Accessed November 13, 2021, via http://www.icsg.org/.)

International Copper Study Group, 2021b, Directory of copper mines and plants up to 2024: Lisbon, Portugal, International Copper Study Group, March 10, 262 p.

Luk, Julian, 2021, Myanmar's copper, nickel mines shut—Sources: Fastmarkets-AMM, May 13. (Accessed December 13, 2021, via https://dashboard.fastmarkets.com/home.)

Wichner, David, 2021, Tucson-based Asarco facing new charges over post-strike labor practices: Arizona Daily Star [Tucson, AZ], April 26. (Accessed May 14, 2021, at https://tucson.com/business/tucson-based-asarco-facing-new-charges-over-post-strike-labor-practices/article_ea8fb10c-a468-11eb-9063-3b0056bca30b.html.)

Zijin Mining Group Co., Ltd., 2021, Announcement in relation to the completion of construction and initiation of production of the phase 1 mining and processing project of the Kamoa-Kakula copper mine in the DRC: Longyan, China, Zijin Mining Group Co., Ltd. announcement, May 26. (Accessed June 4, 2021, at https://www.zijinmining.com/upload/pdfjs/web/viewer.html?file=/upload/file/2021/05/26/1a67cd85fe6440519ebd1707d7c1d426.pdf.)

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TABLE 1

SALIENT STATISTICS OF THE COPPER INDUSTRY IN THE UNITED STATES[1]

(Metric tons of copper content, unless otherwise specified)

	Source table[2]	2020[p]	2021			
			March	April	May	January–May
Production:						
Primary:						
Mine, recoverable	(2)	1,200,000	102,000	92,900	99,200	489,000
Smelter[e]	(3)	315,000	35,000	30,000	30,000	165,000
Refinery:						
Electrolytic, domestic and foreign[e]	(4)	315,000	35,000	30,000	30,000	165,000
Electrowon	(4)	559,000	46,500	44,100	44,500	226,000
Total	(4)	874,000	81,500	74,100	74,500	391,000
Secondary recoverable copper:[3]						
Refineries	(5)	43,200	3,460	5,190	4,560	20,600
Ingot makers[4]	(5)	57,900	4,820	4,820	4,820	24,100
Brass and wire-rod mills	(5)	670,000	57,000	55,800	54,500	280,000
Foundries, etc.[4]	(5)	36,700	3,060	3,060	3,060	15,300
Consumption:						
Apparent, primary refined and copper from old scrap	(8)	1,660,000	191,000	177,000 [r]	164,000	837,000
Reported, refined copper	(7)	1,710,000	159,000	148,000	159,000	736,000
Purchased copper-base scrap (gross weight)	(9)	938,000	85,900	85,100	86,900	426,000
Stocks at end of period:						
Total refined	(10)	118,000	109,000	101,000 [r]	86,900	86,900
Blister and anode	(10)	9,380	29,200	27,100	27,100	27,100
Price, U.S. producers cathode (cents per pound)[5]	(11)	286.745	416.141	432.183	471.410	416.473
Imports:[6]						
Ore and concentrates	(13)	2,170	1,610	415	1	4,960
Refined	(13)	676,000	99,700	85,200	66,600	367,000
Exports:[6]						
Ore and concentrates	(14)	383,000	43,700	33,300	31,400	173,000
Refined	(14)	41,200	3,360	5,280	5,580	21,500

[e]Estimated. [p]Preliminary. [r]Revised.

[1]Data are rounded to no more than three significant digits, except prices; may not add to totals shown.

[2]Numbers in parentheses refer to the tables where these data are located.

[3]Copper recovered from copper-base scrap only.

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

[5]Source: S&P Global Platts Metals Week.

[6]Source: U.S. Census Bureau.

TABLE 2
MINE PRODUCTION OF RECOVERABLE COPPER IN THE UNITED STATES[1]

(Metric tons)

Period	Recoverable copper			Contained copper		
	Arizona	Others[2]	Total	Electrowon	Concentrates[3]	Total
2020:[p]						
January–May	356,000	137,000	492,000	223,000	280,000	503,000
May	75,500	26,200	102,000	48,200	55,700	104,000
June	77,800	26,800	105,000	48,300	58,600	107,000
July	79,500	26,700	106,000	49,600	58,900	109,000
August	78,900	25,900	105,000	49,100	57,900	107,000
September	72,600	25,300	97,900	45,700	54,300	100,000
October	71,000	25,500	96,500	47,600	50,800	98,500
November	69,900	25,800	95,700	47,100	50,600	97,700
December	75,000	25,100	100,000	48,400	53,800	102,000
January–December	880,000	318,000	1,200,000	559,000	665,000	1,220,000
2021:						
January	71,600	25,900	97,500	47,100	52,500	99,600
February	70,500	26,700	97,200	43,900	55,400	99,300
March	73,900	28,500	102,000	46,500	58,100	105,000
April	63,900	28,900	92,900	44,100	59,400	103,000
May	68,200	31,000	99,200	44,500	64,400	109,000
January–May	348,000	141,000	489,000	226,000	290,000	516,000

[p]Preliminary.
[1]Data are rounded to no more than three significant digits; may not add to totals shown.
[2]Includes production from Michigan, Missouri, Montana, Nevada, New Mexico, and Utah.
[3]Includes 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[e, 3]
2020:[p]	
January–May	130,000
May	20,000
June	20,000
July	25,000
August	25,000
September	25,000
October	30,000
November	30,000
December	30,000
January–December	315,000
2021:	
January	35,000
February	35,000
March	35,000
April	30,000
May	30,000
January–May	165,000

[e]Estimated. [p]Preliminary.
[1]Data are rounded to no more than three significant digits; may not add to totals shown.
[2]Includes blister and copper anode from primary or secondary sources.
[3]To avoid disclosing company proprietary data, monthly smelter production data are estimates based on information in quarterly public company reports and do not reflect actual production reported to the U.S. Geological Survey.

TABLE 4

U.S. PRODUCTION OF REFINED COPPER, BY SOURCE AND METHOD OF RECOVERY[1]

(Metric tons)

Period	Primary materials			Scrap	Total refined
	Electrolytically refined[e, 2, 3]	Electrowon	Total		
2020:[p]					
January–May	130,000	223,000	353,000	19,200	373,000
May	20,000	48,200	68,200	4,380	72,600
June	20,000	48,300	68,300	3,620	71,900
July	25,000	49,600	74,600	3,720	78,400
August	25,000	49,100	74,100	3,380	77,500
September	25,000	45,700	70,700	3,490	74,200
October	30,000	47,600	77,600	3,220	80,900
November	30,000	47,100	77,100	3,290	80,400
December	30,000	48,400	78,400	3,300	81,700
January–December	315,000	559,000	874,000	43,200	918,000
2021:					
January	35,000	47,100	82,100	3,350	85,400
February	35,000	43,900	78,900	4,060	82,900
March	35,000	46,500	81,500	3,460	85,000
April	30,000	44,100	74,100	5,190	79,300
May	30,000	44,500	74,500	4,560	79,100
January–May	165,000	226,000	391,000	20,600	412,000

[e]Estimated. [p]Preliminary.

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

[2]From domestic and foreign source materials.

[3]To avoid disclosing company proprietary data, monthly electrolytically refined production data are estimates based on information in quarterly 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 SCRAP
IN THE UNITED STATES[1]

(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	
2020:[p]									
January–May	8,390	10,800	3,840	20,300	261,000	16,200	10,700	4,570	336,000
May	1,680	2,700	768	4,060	51,300	2,600	2,150	913	66,200
June	1,680	1,940	768	4,060	51,700	3,030	2,150	913	66,300
July	1,680	2,040	768	4,060	53,400	3,290	2,150	913	68,300
August	1,680	1,700	768	4,060	52,200	3,120	2,150	913	66,600
September	1,680	1,810	768	4,060	50,700	3,300	2,150	913	65,400
October	1,680	1,540	768	4,060	53,600	3,540	2,150	913	68,300
November	1,680	1,620	768	4,060	52,900	3,000	2,150	913	67,100
December	1,680	1,620	768	4,060	55,800	2,590	2,150	913	69,600
January–December	20,100	23,100	9,220	48,700	631,000	38,100	25,800	11,000	807,000
2021:									
January	1,680	1,670	768	4,060	53,700	4,110	2,150	913	69,000
February	1,680	2,380	768	4,060	51,700	3,500	2,150	913	67,100
March	1,680	1,780	768	4,060	53,100	3,870	2,150	913	68,300
April	1,680	3,510	768	4,060	51,900	3,870	2,150	913	68,900
May	1,680	2,890	768	4,060	50,800	3,710	2,150	913	66,900
January–May	8,390	12,200	3,840	20,300	261,000	19,100	10,700	4,570	340,000

[e]Estimated. [p]Preliminary.

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

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

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

[4]Does 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

U.S. PRODUCTION, SHIPMENTS, AND STOCKS OF BRASS AND WIRE-ROD SEMIFABRICATES[1]

(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
2020:[p]						
January–May	368,000	517,000	369,000	511,000	29,000	30,000
May	73,400	95,300	73,400	91,400	29,000	30,000
June	73,700	89,400	73,600	96,100	29,200	23,400
July	73,500	108,000	73,300	104,000	29,300	27,000
August	73,700	104,000	73,600	111,000	29,400	20,000
September	73,800	107,000	73,700	108,000	29,500	18,600
October	74,400	108,000	74,900	110,000	29,000	16,400
November	73,600	106,000	73,600	106,000	29,000	16,000
December	73,700	101,000	74,000	97,800	28,700	19,000
January–December	884,000	1,240,000	885,000	1,240,000	28,700	19,000
2021:						
January	73,600	104,000	74,000	106,000	28,300	16,800
February	74,100	96,600	73,800	97,600	28,600	15,800
March	86,800	125,000	86,700	122,000	33,800	17,800
April	75,000	110,000 [r]	75,300	113,000	28,500	15,200 [r]
May	73,200	117,000	73,300	114,000	28,400	18,300
January–May	383,000	552,000	383,000	553,000	28,400	18,300

[p]Preliminary. [r]Revised.

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

TABLE 7
U.S. CONSUMPTION OF REFINED COPPER[1]

(Metric tons)

Period	Brass mills	Wire-rod mills	Other plants[2]	Total
2020:[p]				
January–May	170,000	512,000	27,200	710,000
May	34,100	94,500	5,450	134,000
June	34,700	88,200	5,450	128,000
July	34,300	107,000	5,450	147,000
August	34,700	103,000	5,450	143,000
September	34,600	106,000	5,450	146,000
October	34,600	106,000	5,450	147,000
November	34,600	105,000	5,450	145,000
December	34,800	99,900	5,450	140,000
January–December	413,000	1,230,000	65,400	1,710,000
2021:				
January	34,700	93,400	5,450	134,000
February	34,900	96,100	5,450	137,000
March	35,300	119,000	5,450	159,000
April	34,300	108,000 [r]	5,450	148,000
May	34,100	119,000	5,450	159,000
January–May	173,000	535,000	27,200	736,000

[p]Preliminary. [r]Revised.
[1]Data are rounded to no more than three significant digits; may not add to totals shown.
[2]Monthly 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 COPPER[1]

(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
2020:[p]						
January–May	353,000	65,500	308,000	12,400	28,300	686,000
May	68,200	13,000	66,200	540	18,600	128,000
June	68,300	12,700	63,300	1,220	18,900	124,000
July	74,600	13,000	37,300	5,300	7,430	112,000
August	74,100	12,500	59,800	6,470	-12,100	152,000
September	70,700	12,800	39,900	4,570	5,410	113,000
October	77,600	12,800	57,300	2,930	-18,100	163,000
November	77,100	12,300	53,300	3,090	-10,800	150,000
December	78,400	11,900	57,400	5,150	-11,700	154,000
January–December	874,000	153,000	676,000	41,200	7,370	1,660,000
2021:						
January	82,100	13,500	42,400	4,350	-6,490	140,000
February	78,900	13,600	73,000	2,970	-2,600	165,000
March	81,500	13,300	99,700	3,360	-178	191,000
April	74,100	15,100	85,200	5,280	-7,710 [r]	177,000 [r]
May	74,500	14,300	66,600	5,580	-14,100	164,000
January–May	391,000	69,700	367,000	21,500	-31,000	837,000

[p]Preliminary. [r]Revised.

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

[2]Copper recovered from old scrap and converted to refined metal and alloys. 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 2018 annual data.

[3]Source: U.S. Census Bureau.

TABLE 9

U.S. CONSUMPTION OF PURCHASED COPPER-BASE SCRAP[1]

(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	
2020:[p]									
January–May	8,650	11,200	10,300	24,000	302,000	17,200	12,800	5,040	391,000
May	1,730	2,790	2,050	4,790	59,500	2,760	2,570	1,010	77,200
June	1,730	2,000	2,050	4,790	59,800	3,160	2,570	1,010	77,100
July	1,730	2,100	2,050	4,790	61,400	3,340	2,570	1,010	79,000
August	1,730	1,750	2,050	4,790	60,200	3,200	2,570	1,010	77,300
September	1,730	1,870	2,050	4,790	58,700	3,410	2,570	1,010	76,100
October	1,730	1,590	2,050	4,790	61,700	3,710	2,570	1,010	79,200
November	1,730	1,670	2,050	4,790	60,900	3,130	2,570	1,010	77,900
December	1,730	1,670	2,050	4,790	64,000	2,750	2,570	1,010	80,500
January–December	20,700	23,800	24,600	57,500	729,000	39,900	30,800	12,100	938,000
2021:									
January	1,730	1,720	2,050	4,790	68,000	4,190	2,570	1,010	86,000
February	1,730	2,460	2,050	4,790	63,600	3,580	2,570	1,010	81,800
March	1,730	1,830	2,050	4,790	68,000	3,970	2,570	1,010	85,900
April	1,730	3,620	2,050	4,790	65,300	4,010	2,570	1,010	85,100
May	1,730	2,980	2,050	4,790	67,900	3,820	2,570	1,010	86,900
January–May	8,650	12,600	10,300	24,000	333,000	19,600	12,800	5,040	426,000

[e]Estimated. [p]Preliminary.

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

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

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

TABLE 10
COPPER STOCKS IN THE UNITED STATES AT END OF PERIOD[1]

(Metric tons)

Period	Blister and anode[2]	Refined copper						
		Refineries	Wire-rod mills	Brass mills	Other[3]	Comex	LME[4]	Total refined
2020:[p]								
May	11,900	3,550	21,200	7,730	7,070	55,900	43,500	139,000
June	11,000	2,070	17,200	7,900	7,070	75,600	48,000	158,000
July	11,300	3,090	21,200	7,770	7,070	81,000	45,200	165,000
August	15,700	4,490	15,900	8,210	7,070	77,400	40,200	153,000
September	13,500	3,730	14,500	8,200	7,070	72,400	52,700	159,000
October	15,200	3,460	15,300	8,170	7,070	72,500	34,000	140,000
November	12,500	3,420	16,200	8,100	7,070	74,000	20,900	130,000
December	9,380	3,850	10,700	7,850	7,070	70,200	18,300	118,000
2021:								
January	17,400	3,810	9,190	7,970	7,070	66,800	16,700	111,000
February	23,800	5,310	11,900	8,610	7,070	62,900	13,100	109,000
March	29,200	3,470	13,200	8,570	7,070	65,500	10,900	109,000
April	27,100	3,360	12,800 [r]	7,550	7,070	60,200	9,950	101,000 [r]
May	27,100	2,930	12,400	7,850	7,070	55,100	1,630	86,900

[p]Preliminary. [r]Revised.
[1]Data are rounded to no more than three significant digits; may not add to totals shown.
[2]Copper content.
[3]Monthly estimates based on 2018 annual data, comprising stocks at ingot makers, chemical plants, foundries, and miscellaneous manufacturers.
[4]London 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
2020:			
May	245.090	238.715	237.402
June	266.305	259.805	260.470
July	293.300	286.600	288.202
August	298.377	291.752	294.685
September	309.052	302.302	304.470
October	312.495	305.695	304.033
November	327.338	320.338	320.392
December	360.470	353.470	351.772
Year	286.745	279.948	279.797
2021:			
January	369.318	362.318	361.536
February	393.314	386.126	383.750
March	416.141	408.828	408.459
April	432.183	424.783	423.453
May	471.410	463.535	461.937
January–May	416.473	409.118	407.827

[1]Sum of "Comex high grade first position" and "NY dealer premium cathode."
[2]Listed as "Comex high grade first position."

Source: S&P Global Platts Metals Week.

TABLE 12
AVERAGE BUYING PRICES FOR COPPER SCRAP IN THE UNITED STATES

(Cents per pound)

Period	Brass mills No. 1 scrap	Refiners No. 2 scrap	Dealers (United States) No. 2 scrap	Dealers (United States) Red brass turnings and borings
2020:				
May	230.18	208.95	165.00	111.00
June	253.82	232.41	182.09	120.55
July	279.55	258.32	207.09	130.00
August	282.05	258.79	212.52	124.76
September	291.05	262.19	220.00	128.86
October	291.93	261.84	222.73	130.00
November	306.26	277.53	230.00	139.47
December	339.98	314.75	258.18	165.45
Year	268.76	243.47	201.72	130.67
2021:				
January	349.74	320.61	266.50	167.00
February	370.89	338.87	270.00	175.00
March	392.04	351.52	296.50	185.50
April	406.52	365.52	289.00	186.50
May	444.95	405.23	341.50	239.00
January–May	392.83	356.35	292.70	190.60

Source: Fastmarkets-AMM.

TABLE 13

U.S. IMPORTS FOR CONSUMPTION OF COPPER (UNMANUFACTURED), BY CLASS[1]

(Metric tons, copper content)

Country or locality	Ore and concentrates[2]			Matte, ash, and precipitates[3]			Blister and anodes[4]			Refined[5]		
		2021			2021			2021			2021	
	2020	May	January–May	2020	May	January–May	2020	May	January–May	2020	May	January–May
Bahrain	--	--	--	--	--	--	--	--	--	76	--	--
Belgium	--	--	--	354	143	143	--	--	--	--	--	--
Bolivia	--	--	--	--	--	--	--	--	--	1,030	187	571
Canada	2,170	--	4,950	459	12	205	(6)	--	(6)	149,000	11,600	62,900
Chile	--	--	--	--	--	--	--	--	--	410,000	43,300	251,000
China	--	--	--	(6)	--	--	--	--	--	426	45	307
Congo (Kinshasa)	--	--	--	--	--	--	--	--	--	148	3,740	5,870
Finland	--	--	--	--	--	--	275	16	125	--	--	35
Germany	--	--	--	--	--	102	(6)	--	(6)	1,910	246	757
Japan	--	1	1	176	--	48	(6)	--	(6)	2,060	246	678
Korea, Republic of	--	--	--	--	--	--	(6)	--	(6)	72	10	30
Mexico	--	--	--	(6)	(6)	7	(6)	--	--	95,200	6,690	33,200
Peru	--	--	--	--	--	--	--	--	--	14,500	501	6,510
Spain	--	--	--	49	--	--	--	--	--	654	(6)	(6)
Other	--	--	10	22	20	43	5	(6)	7	50	(6)	4,970
Total	2,170	1	4,960	1,060	175	549	281	16	132	676,000	66,600	367,000

-- Zero.

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

[2]Harmonized Tariff Schedule of the United States (HTS) code 2603.00.0010. Includes copper ore and concentrates only; excludes copper contained in ore and concentrates of other metals.

[3]HTS codes 2620.30.0010 and 7401.00.0000. Includes copper matte, ash, and precipitates only; excludes the copper content of mattes and ashes of other metals.

[4]HTS code 7402.00.0000.

[5]HTS codes 7403.11.0000, 7403.12.0000, 7403.13.0000, and 7403.19.0000.

[6]Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 14

U.S. EXPORTS OF COPPER (UNMANUFACTURED), BY CLASS[1]

(Metric tons, copper content)

Country or locality	Ore and concentrates[2]			Matte, ash, and precipitates[3]			Blister and anodes[4]			Refined[5]		
		2021			2021			2021			2021	
	2020	May	January–May	2020	May	January–May	2020	May	January–May	2020	May	January–May
Belgium	230	45	138	6,110	927	2,380	190	15	703	64	--	--
Bulgaria	4,350	--	--	(6)	--	--	--	--	--	--	--	--
Canada	36,100	3,690	16,500	13,100	1,550	7,540	1,690	104	4,600	12,600	3,500	11,700
China	49,300	2,340	20,600	62	73	166	148	--	41	233	344	1,340
Germany	--	--	784	288	--	179	128	20	88	22	--	20
Hong Kong	9	--	2	--	--	--	86	20	55	18	--	--
India	20	--	--	37	--	29	247	15	108	--	--	--
Italy	--	--	--	--	--	--	197	40	68	86	19	21
Japan	14,600	3,660	3,660	251	98	350	24	--	16	4	(6)	6
Korea, Republic of	8,140	21	2,360	1	--	81	1,390	184	709	1,160	4	21
Malaysia	--	--	--	3	(6)	41	218	19	79	--	--	--
Mexico	250,000	21,600	127,000	2,720	--	29	848	14	53	26,800	1,690	8,110
Philippines	6,250	--	--	--	--	(6)	10	--	10	--	--	--
Singapore	--	--	--	256	40	65	36	14	34	13	3	10
Slovakia	--	--	--	1,050	215	627	--	--	--	--	--	--
Spain	8,990	--	--	1,820	174	684	35	--	20	--	--	--
Sweden	--	--	--	--	--	--	135	--	72	--	--	--
Thailand	--	--	--	2	--	--	256	--	11	(6)	--	--
Other	4,630	31	1,730	172	--	149	565	33	394	164	15	284
Total	383,000	31,400	173,000	25,900	3,080	12,300	6,210	479	7,060	41,200	5,580	21,500

-- Zero.

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

[2]Schedule B of the United States code 2603.00.0010. Includes copper ore and concentrates only; excludes copper contained in ore and concentrates of other metals.

[3]Schedule B codes 2620.30.0000, 7401.00.0010, and 7401.00.0050. Includes copper matte, ash, and precipitates only; excludes the copper content of mattes and ashes of other metals.

[4]Schedule B code 7402.00.0000.

[5]Schedule B codes 7403.11.0000, 7403.12.0000, 7403.13.0000, and 7403.19.0000.

[6]Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 15
U.S. IMPORTS FOR CONSUMPTION OF COPPER SCRAP[1]

(Metric tons, gross weight)

Country or locality	Unalloyed[2]			Alloyed[3]		
		2021			2021	
	2020	May	January–May	2020	May	January–May
Antigua and Barbuda	--	--	--	151	15	63
Bahamas	--	--	--	681	66	303
Brazil	--	--	--	164	39	90
Canada	14,500	1,540	7,230	41,300	4,190	20,200
Cayman Islands	4	--	--	262	12	96
Colombia	60	--	40	808	39	273
Costa Rica	619	93	340	934	170	740
Dominican Republic	876	161	586	1,150	221	937
Ecuador	--	13	29	154	23	105
El Salvador	--	--	--	294	56	278
Germany	179	37	97	108	--	93
Guatemala	--	--	--	289	96	277
Honduras	54	5	40	844	84	427
Jamaica	--	--	4	258	--	54
Mexico	9,450	1,130	4,740	37,100	3,900	18,500
Nicaragua	114	17	17	--	--	--
Panama	714	62	363	335	19	160
Peru	495	--	--	251	42	161
Vietnam	121	10	61	22	7	21
Other	362	173	422	1,400	145	857
Total	27,600	3,240	14,000	86,500	9,120	43,700

-- Zero.

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

[2]Harmonized Tariff Schedule of the United States (HTS) codes 7404.00.3020 and 7404.00.6020.

[3]HTS codes 7404.00.3045, 7404.00.3055, 7404.00.3065, 7404.00.3090, 7404.00.6045, 7404.00.6055, 7404.00.6065, and 7404.00.6090.

Source: U.S. Census Bureau.

TABLE 16

U.S. EXPORTS OF COPPER SCRAP[1]

(Metric tons, gross weight)

Country or locality	Unalloyed[2]							Alloyed[3]				
		2021							2021			
		No. 1		No. 2		Other			Segregated		Unsegregated	
	2020	May	January–May	May	January–May	May	January–May	2020	May	January–May	May	January–May
Austria	3,970	--	--	116	718	--	--	1,010	--	--	--	--
Belgium	20,900	552	2,660	667	3,010	336	1,630	11,100	98	584	1,020	3,220
Canada	51,800	--	--	--	--	5,530	24,600	32,200	--	--	4,410	20,100
China	81,200	4,040	14,900	4,030	17,100	8,050	34,900	35,400	2,210	7,240	2,970	11,200
Germany	22,400	1,480	5,990	137	1,280	324	1,630	16,000	--	377	1,220	5,160
Greece	13,000	620	3,320	563	1,430	535	2,150	1,450	38	96	410	915
Hong Kong	7,810	308	1,310	1,260	3,730	1,710	4,240	7,750	313	1,080	408	1,770
India	9,570	436	1,290	45	427	135	1,080	34,800	1,500	5,610	3,590	9,210
Japan	16,400	295	1,210	1,320	4,780	271	875	13,800	298	733	497	2,450
Korea, Republic of	45,700	1,670	8,820	1,180	6,030	1,750	7,370	18,500	451	1,920	1,010	4,590
Malaysia	54,400	813	3,030	1,070	6,380	4,360	22,300	122,000	1,900	10,500	5,960	31,400
Pakistan	697	20	23	3	40	--	--	14,500	--	20	975	6,640
Poland	5,000	20	313	159	765	617	2,310	6,570	--	59	196	1,970
Russia	7,310	--	113	--	100	--	819	830	--	--	--	491
Spain	4,070	61	112	--	45	60	765	7,610	202	932	635	1,830
Taiwan	17,000	824	2,690	310	1,230	698	2,070	16,400	440	1,190	495	1,650
Thailand	4,800	106	501	21	177	389	1,940	20,900	308	891	3,060	13,800
Vietnam	7,480	203	396	--	99	--	196	2,340	--	37	--	62
Other	22,900	922	4,320	274	1,380	407	3,230	16,600	246	1,890	908	4,900
Total	396,000	12,400	50,900	11,100	48,700	25,200	112,000	380,000	8,010	33,200	27,700	121,000

-- Zero.

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

[2]Schedule B of the United States codes 7404.00.0010 and 7404.00.0015 (no. 1), 7404.00.0025 (no. 2), and 7404.00.0030 (other).

[3]Schedule B codes for segregated alloyed copper scrap are 7404.00.0041, 7404.00.0046, 7404.00.0051, 7404.00.0056, 7404.00.0061, 7404.00.0066, and 7404.00.0075. Schedule B codes for unsegregated alloyed copper scrap are 7404.00.0085 and 7404.00.0095.

Source: U.S. Census Bureau.