Mineral Industry Surveys

For information, contact:
Daniel M. Flanagan, Copper Commodity Specialist
National Minerals Information Center
U.S. Geological Survey
989 National Center
Reston, VA 20192
Telephone: (703) 648-7726, Fax: (703) 648-7757
Email: dflanagan@usgs.gov

Sheema Merchant (Data)
Telephone: (703) 659-9944
Fax: (703) 648-7975
Email: smerchant@usgs.gov

Internet: https://www.usgs.gov/centers/national-minerals-information-center

COPPER IN JUNE 2021

In June 2021, domestic mine production of recoverable copper was 103,000 metric tons (t). The average daily mine production was 3,450 t, an increase of 8% from that in May and slightly less than that in June 2020 (fig. 1). Year-to-date recoverable mine output was 589,000 t, a slight decrease compared with that through June 2020 (table 2).

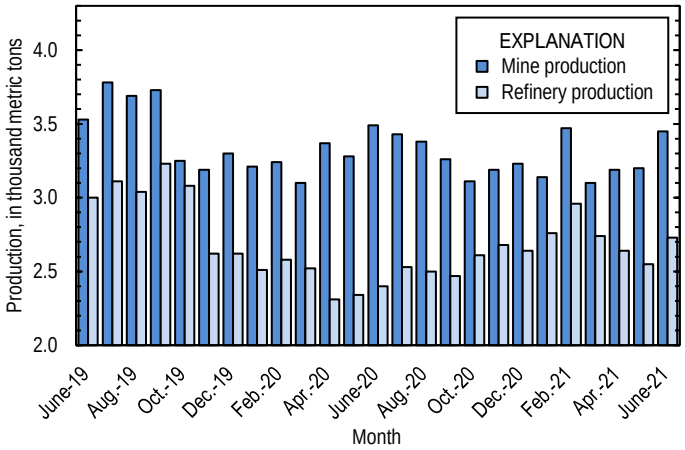

Figure 1. Average daily U.S. copper mine (recoverable) and refinery (primary and secondary) production from June 2019 through June 2021. Refinery production in November and December 2019 were withheld to avoid disclosing company proprietary data; the values shown reflect the daily average for cumulative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

In the first half of 2021, the most significant changes in U.S. production of mined copper took place at several of Freeport-McMoRan Inc.'s operations in Arizona. At the Safford Mine, recoverable copper output increased by nearly 26,000 t from that during the same period in 2020 because of the ramp-up of the Lone Star expansion that was completed in the second half of 2020. Copper production also rose significantly at the Sierrita Mine, by approximately 5,900 t. These increases were offset by a combined decrease of roughly 40,000 t at the Bagdad and Morenci Mines (Freeport-McMoRan Inc., 2021, p. 4, II). Other large changes in copper production took place at the Robinson Mine in Nevada, owned by KGHM Polska Miedź, and at Rio Tinto Group's Bingham Canyon Mine in Utah. At Robinson, year-to-date payable copper output through June 2021 increased by 6,200 t from that in the first half of 2020 owing to higher copper grades and improved recovery rates (KGHM Polska Miedź, 2021, p. 20–21). At Bingham Canyon, a transition to higher grade ores progressed at a slower pace than anticipated, mining rates were affected by an open pit slope failure in May, and production of copper contained in concentrates in the first half of 2021 declined by 4,500 t compared with that in the same period of 2020 (Rio Tinto Group, 2021, p. 12, 25).

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 June 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 June 2021, ASARCO had not publicly 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 June 2021. Year-to-date estimated smelter production was 195,000 t, 30% higher than that through June 2020 (table 3).

Total refinery production in the United States was 81,800 t in June 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 2,730 t, an increase of 7% from that in May and 14% more than that in June 2020 (fig. 1). Year-to-date refinery output was 493,000 t, an increase of 11% relative to the same period in 2020 (table 4). In the first six months of 2020, operations at the Rio Tinto smelter in Utah were affected by a rebuild of the flash converting furnace after an earthquake in March and a planned maintenance shutdown in the second quarter (Rio Tinto Group, 2020, p. 8).

Prices

The COMEX spot copper price averaged $4.40 per pound in June 2021, a decrease of 5% from the alltime monthly high of $4.64 per pound in May and 69% greater than $2.60 per pound in June 2020 (fig. 2, table 11). Prior to June 2021, the monthly COMEX copper price had increased for thirteen consecutive months. The average U.S. dealers buying price of number 2 copper scrap in June 2021 was $3.46 per pound, slightly higher than $3.42 per pound in May and an increase of 90% compared with $1.82 per pound in June 2020 (fig. 2, table 12).

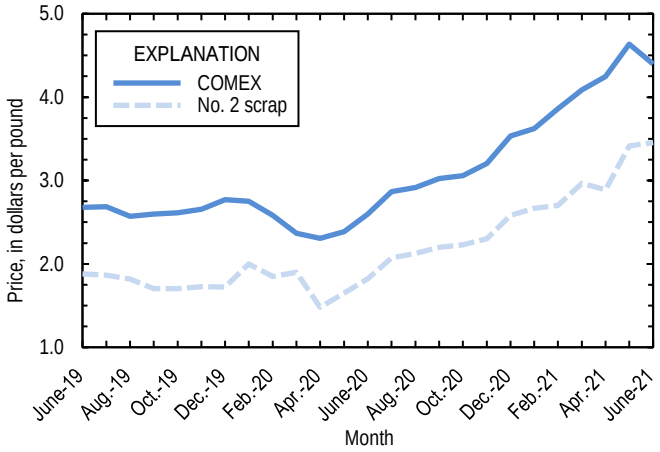

Figure 2. Monthly average COMEX copper price and no. 2 copper scrap dealers buying price from June 2019 through June 2021. As of January 2020, no. 2 prices were available only for the entire United States, whereas no. 2 prices were available only for individual domestic markets prior to January 2020.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

Stocks

Refined copper stocks in the United States totaled 85,000 t at the end of June 2021, a slight decline from those in May and 46% lower than those in June 2020. COMEX stocks decreased by 10,000 t (18%), and London Metal Exchange Ltd. stocks in U.S. warehouses fell by 450 t (28%) compared with those at the end of May (fig. 3, table 10).

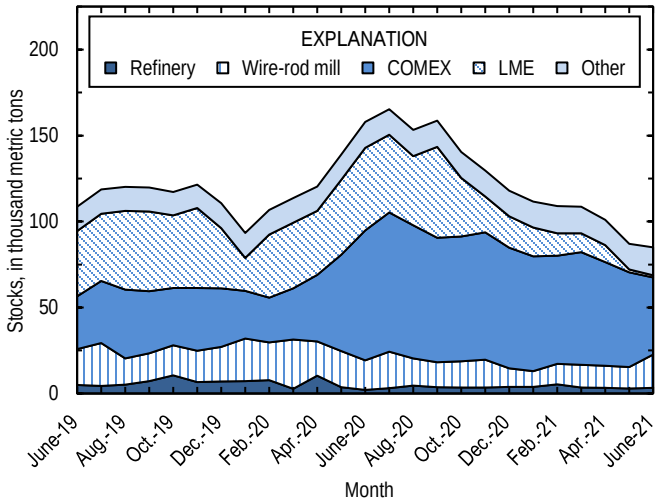

Figure 3. Domestic refined copper stocks at end of month, by type, from June 2019 through June 2021. Sources: London Metal Exchange Ltd., S&P Global Platts Metals Week, and U.S. Geological Survey.

Industry News

Botswana.—On June 30, Khoemacau Copper Mining Ltd. produced the first copper-silver concentrate at its project in Botswana. The company expected to ramp up to an annual production rate of 60,000 to 65,000 t of contained copper in 2022. Prior to the startup of the Khoemacau Mine, the last operational copper mine in Botswana was placed on care and maintenance in 2018 (Khoemacau Copper Mining Ltd., 2021).

References Cited

Freeport-McMoRan Inc., 2021, Freeport-McMoRan reports second-quarter and six-month 2021 results: Phoenix, AZ, Freeport-McMoRan Inc. news release, July 22, [38] p. (Accessed August 6, 2021, at https://s22.q4cdn.com/529358580/files/doc_news/2021/FCX_210722_2Q_2021_Earnings_Release.pdf.)

KGHM Polska Miedź S.A., 2021, The management board's report on the activities of the group in the first half of 2021: Lubin, Poland, KGHM Polska Miedź S.A., August, 49 p. (Accessed September 2, 2021, at https://kghm.com/sites/kghm2014/files/document-attachments/mb_report_on_activities_of_the_kghm_group_psr_2021_0.pdf.)

Khoemacau Copper Mining Ltd., 2021, Khoemacau Copper Mining announces first concentrate production: Gaborone, Botswana, Khoemacau Copper Mining Ltd. news release, July 1, 2p. (Accessed July 16, 2021, at https://www.khoemacau.com/component/jdownloads/?task=download.send&id=32&catid=14&m=0&Itemid=101.)

Rio Tinto Group, 2020, Rio Tinto releases second quarter production results: London, United Kingdom, Rio Tinto Group media release, July 17, 24 p. (Accessed September 15, 2020, at https://www.riotinto.com/-/media/Content/Documents/Invest/Financial-news-and-performance/Production/RT-Second-Quarter-Operations-Review-2020-pdf.pdf?rev=0f6cf4aac41a4591a5a63ba6c5390e0f.)

Rio Tinto Group, 2021, Rio Tinto releases second quarter production results: London, United Kingdom, Rio Tinto Group media release, July 16, 28 p. (Accessed September 2, 2021, at https://www.riotinto.com/-/media/Content/Documents/Invest/Financial-news-and-performance/Production/RT-Second-Quarter-Operations-Review-2021-pdf.pdf?rev=ac0f756853b2476ea9d18f05d1dab5de.)

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.)

List services and web feed subscribers are the first to receive notification of USGS minerals information publications and data releases. For information on how to subscribe, go to https://www.usgs.gov/centers/national-minerals-information-center.

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			
			April	May	June	January–June
Production:						
Primary:						
Mine, recoverable	(2)	1,200,000	95,600 [r]	99,200	103,000	589,000
Smelter[e]	(3)	315,000	30,000	30,000	30,000	195,000
Refinery:						
Electrolytic, domestic and foreign[e]	(4)	315,000	30,000	30,000	30,000	195,000
Electrowon	(4)	559,000	44,100	44,500	46,700	273,000
Total	(4)	874,000	74,100	74,500	76,700	468,000
Secondary recoverable copper:[3]						
Refineries	(5)	43,200	5,190	4,560	5,060	25,700
Ingot makers[4]	(5)	57,900	4,820	4,820	4,820	28,900
Brass and wire-rod mills	(5)	670,000	55,800	54,500	53,800	334,000
Foundries, etc.[4]	(5)	36,700	3,060	3,060	3,060	18,400
Consumption:						
Apparent, primary refined and copper from old scrap	(8)	1,660,000	177,000	164,000	156,000	993,000
Reported, refined copper	(7)	1,710,000	148,000	159,000	155,000	890,000
Purchased copper-base scrap (gross weight)	(9)	938,000	85,100	86,900	85,200	511,000
Stocks at end of period:						
Total refined	(10)	118,000	101,000	86,900	85,000	85,000
Blister and anode	(10)	9,380	27,100	27,100	17,600	17,600
Price, U.S. producers cathode (cents per pound)[5]	(11)	286.745	432.183	471.410	448.082	421.741
Imports:[6]						
Ore and concentrates	(13)	2,170	415	1	296	5,260
Refined	(13)	676,000	85,200	66,600	69,600	436,000
Exports:[6]						
Ore and concentrates	(14)	383,000	33,300	31,400	29,000	202,000
Refined	(14)	41,200	5,280	5,580	6,880	28,400

[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–June	433,000	164,000	597,000	272,000	338,000	610,000
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	68,300 [r]	27,900 [r]	96,200 [r]	46,500	59,900 [r]	106,000 [r]
April	66,700 [r]	28,900	95,600 [r]	44,100	62,200 [r]	106,000 [r]
May	68,200	31,000	99,200	44,500	64,400	109,000
June	74,100	29,300	103,000	46,700	67,800	114,000
January–June	419,000	170,000	589,000	273,000	362,000	635,000

[p]Preliminary. [r]Revised.
[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–June	150,000
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
June	30,000
January–June	195,000

[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–June	150,000	272,000	422,000	22,800	444,000
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
June	30,000	46,700	76,700	5,060	81,800
January–June	195,000	273,000	468,000	25,700	493,000

[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–June	10,100	12,800	4,610	24,300	313,000	19,300	12,900	5,480	402,000
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
June	1,680	3,390	768	4,060	50,200	3,560	2,150	913	66,700
January–June	10,100	15,600	4,610	24,300	311,000	22,600	12,900	5,480	407,000

[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–June	442,000	606,000	442,000	607,000	29,200	23,400
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	75,300	113,000	28,500	15,200
May	73,200	117,000	73,300	114,000	28,400	18,300
June	74,200	110,000	74,000	109,000	28,500	19,100
January–June	457,000	661,000	457,000	662,000	28,500	19,100

[p]Preliminary.

[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–June	205,000	601,000	32,700	838,000
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	5,450	148,000
May	34,100	119,000	5,450	159,000
June	33,600	116,000	5,450	155,000
January–June	207,000	651,000	32,700	890,000

[p]Preliminary.
[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–June	422,000	78,100	371,000	13,700	47,200	810,000
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	177,000
May	74,500	14,300	66,600	5,580	-14,100	164,000
June	76,700	14,600	69,600	6,880	-1,900	156,000
January–June	468,000	84,300	436,000	28,400	-32,900	993,000

[p]Preliminary.
[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–June	10,400	13,200	12,300	28,800	362,000	20,400	15,400	6,040	468,000
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
June	1,730	3,490	2,050	4,790	65,900	3,680	2,570	1,010	85,200
January–June	10,400	16,100	12,300	28,800	399,000	23,200	15,400	6,040	511,000

[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]								
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	7,550	7,070	60,200	9,950	101,000
May	27,100	2,930	12,400	7,850	7,070	55,100	1,630	86,900
June	17,600	3,260	19,300	9,190	7,070	45,000	1,180	85,000

[p]Preliminary.
[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:			
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
June	448.082	439.832	436.012
January–June	421.741	414.237	412.525

[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	
			No. 2 scrap	Red brass turnings and borings
2020:				
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
June	421.77	381.68	345.50	230.50
January–June	397.65	360.57	301.50	197.25

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	June	January–June	2020	June	January–June	2020	June	January–June	2020	June	January–June
Bahrain	--	--	--	--	--	--	--	--	--	76	--	--
Belgium	--	--	--	354	54	197	--	--	--	--	--	--
Bolivia	--	--	--	--	--	--	--	--	--	1,030	193	763
Canada	2,170	296	5,250	459	32	237	(6)	--	(6)	149,000	11,200	74,000
Chile	--	--	--	--	--	--	--	--	--	410,000	47,300	298,000
China	--	--	--	(6)	--	--	--	--	--	426	40	347
Congo (Kinshasa)	--	--	--	--	--	--	--	--	--	148	1,630	7,500
Finland	--	--	--	--	--	--	275	30	155	--	--	35
Germany	--	--	--	--	--	102	(6)	--	(6)	1,910	151	908
Japan	--	--	1	176	--	48	(6)	(6)	(6)	2,060	143	821
Korea, Republic of	--	--	--	--	--	--	(6)	--	(6)	72	10	40
Mexico	--	--	--	(6)	(6)	8	(6)	--	--	95,200	6,830	40,000
Peru	--	--	--	--	--	--	--	--	--	14,500	2,140	8,640
Spain	--	--	--	49	--	--	--	--	--	654	--	(6)
Other	--	--	10	22	--	43	5	(6)	7	50	15	4,980
Total	2,170	296	5,260	1,060	86	635	281	30	162	676,000	69,600	436,000

-- 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	June	January–June	2020	June	January–June	2020	June	January–June	2020	June	January–June
Belgium	230	5	142	6,110	470	2,850	190	14	718	64	--	--
Bulgaria	4,350	--	--	(6)	--	--	--	--	--	--	--	--
Canada	36,100	3,690	20,200	13,100	1,250	8,780	1,690	2,540	7,140	12,600	5,170	16,900
China	49,300	9,000	29,600	62	--	166	148	10	51	233	203	1,540
Germany	--	--	784	288	144	323	128	20	109	22	--	20
Hong Kong	9	--	2	--	--	--	86	11	66	18	--	--
India	20	--	--	37	--	29	247	49	157	--	--	--
Italy	--	--	--	--	--	--	197	1	69	86	--	21
Japan	14,600	--	3,660	251	60	409	24	1	17	4	2	9
Korea, Republic of	8,140	--	2,360	1	--	81	1,390	189	897	1,160	--	21
Malaysia	--	--	--	3	--	41	218	--	79	--	--	--
Mexico	250,000	16,200	144,000	2,720	4	33	848	18	71	26,800	1,440	9,550
Philippines	6,250	--	--	--	--	(6)	10	--	10	--	--	--
Singapore	--	--	--	256	175	240	36	(6)	34	13	2	13
Slovakia	--	--	--	1,050	59	686	--	--	--	--	--	--
Spain	8,990	--	--	1,820	20	703	35	--	20	--	--	--
Sweden	--	--	--	--	--	--	135	--	72	--	--	--
Thailand	--	--	--	2	--	--	256	--	11	(6)	--	--
Other	4,630	53	1,780	172	2	151	565	76	470	164	63	347
Total	383,000	29,000	202,000	25,900	2,180	14,500	6,210	2,940	9,990	41,200	6,880	28,400

-- 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	June	January–June	2020	June	January–June
Antigua and Barbuda	--	--	--	151	13	76
Bahamas	--	--	--	681	35	338
Brazil	--	--	--	164	--	90
Canada	14,500	2,210	9,440	41,300	4,100	24,300
Cayman Islands	4	--	--	262	18	114
Colombia	60	38	77	808	39	312
Costa Rica	619	--	340	934	103	843
Dominican Republic	876	150	736	1,150	224	1,160
Ecuador	--	19	48	154	43	149
El Salvador	--	--	--	294	26	305
Germany	179	13	110	108	38	131
Guatemala	--	--	--	289	57	335
Honduras	54	1	42	844	63	490
Jamaica	--	3	7	258	--	54
Mexico	9,450	1,340	6,080	37,100	3,940	22,400
Nicaragua	114	--	17	--	38	38
Panama	714	84	447	335	81	241
Peru	495	--	--	251	39	200
Vietnam	121	20	81	22	15	35
Other	362	110	532	1,400	114	972
Total	27,600	3,990	17,900	86,500	8,990	52,600

-- 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	June	January–June	June	January–June	June	January–June	2020	June	January–June	June	January–June
Austria	3,970	59	59	178	896	--	--	1,010	--	--	58	58
Belgium	20,900	518	3,180	512	3,520	233	1,860	11,100	19	602	554	3,780
Canada	51,800	--	--	--	--	5,790	30,400	32,200	--	--	3,840	23,900
China	81,200	3,110	18,000	3,390	20,500	8,460	43,400	35,400	1,790	9,030	2,620	13,800
Germany	22,400	921	6,910	73	1,350	446	2,080	16,000	136	513	1,110	6,270
Greece	13,000	674	3,990	432	1,860	507	2,650	1,450	--	96	169	1,080
Hong Kong	7,810	258	1,570	1,320	5,050	680	4,920	7,750	120	1,200	461	2,230
India	9,570	299	1,590	43	470	178	1,250	34,800	1,800	7,410	1,510	10,700
Japan	16,400	312	1,520	1,150	5,930	175	1,050	13,800	83	815	310	2,760
Korea, Republic of	45,700	1,420	10,200	753	6,780	1,330	8,700	18,500	555	2,470	606	5,190
Malaysia	54,400	942	3,970	1,440	7,830	5,040	27,400	122,000	1,260	11,800	7,400	38,800
Pakistan	697	--	23	7	47	--	--	14,500	--	20	1,450	8,090
Poland	5,000	--	313	79	843	708	3,020	6,570	--	59	--	1,970
Russia	7,310	--	113	--	100	--	819	830	--	--	20	511
Spain	4,070	--	112	81	127	218	983	7,610	176	1,110	428	2,260
Taiwan	17,000	608	3,300	39	1,270	522	2,590	16,400	149	1,340	269	1,920
Thailand	4,800	82	583	--	177	419	2,350	20,900	84	976	3,890	17,600
Vietnam	7,480	113	508	--	99	--	196	2,340	--	37	--	62
Other	22,900	690	5,010	64	1,440	934	4,170	16,600	368	2,260	850	5,750
Total	396,000	10,000	60,900	9,560	58,300	25,600	138,000	380,000	6,540	39,700	25,500	147,000

-- 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.