Mineral Industry Surveys

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COPPER IN JULY 2022

In July 2022, domestic mine output of recoverable copper was 103,000 metric tons (t). The average daily mine production was 3,310 t, a slight decrease from that in June and 4% higher than that in July 2021 (fig. 1). Year-to-date recoverable mine production was 718,000 t, an increase of 3% compared with that through July 2021 (table 2).

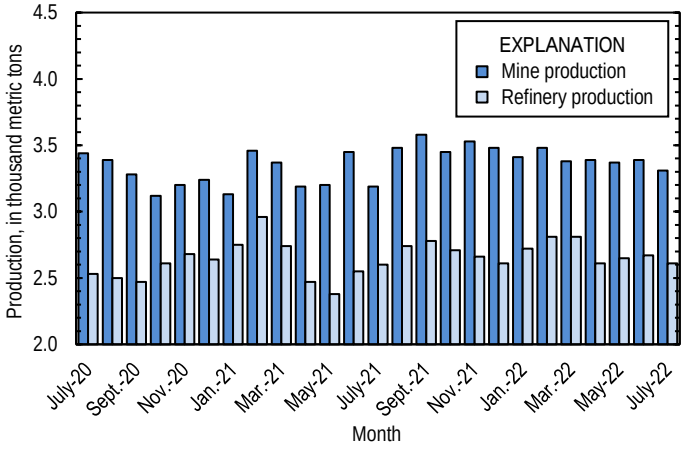

Figure 1. Average daily copper mine (recoverable) and refinery (primary and secondary) production in the United States from July 2020 through July 2022.

Owing to indefinite closures of ASARCO LLC's smelter in Arizona and electrolytic refinery in Texas since October 2019, smelter and electrolytic refinery production reported to the U.S. Geological Survey in July 2022 were withheld to avoid disclosing company proprietary data. Smelter and electrolytic refinery output in tables 3 and 4 are estimates based on information in annual and quarterly company reports. As of July 2022, ASARCO had not publicly announced when operations were expected to resume. The company's three copper mines and two electrowon refineries in Arizona continued to operate during the smelter and electrolytic refinery stoppages (Grupo México, S.A.B. de C.V., 2021, p. 83).

Estimated smelter output in the United States was 30,000 t in July 2022. Year-to-date estimated smelter production was 225,000 t, 7% greater than that through July 2021 (table 3).

Total U.S. refinery production was 80,900 t in July 2022; data for electrolytic and electrowon output, as well as refined production from scrap, are reported in table 4. Average daily refinery production was 2,610 t, a slight decline from that in June and essentially unchanged compared with that in July 2021 (fig. 1). Year-to-date refinery output was 571,000 t, a slight increase relative to the same time period in 2021.

Prices

In July 2022, the average Commodity Exchange Inc. (COMEX) copper price was $3.40 per pound, a decrease of 18% from $4.13 per pound in June and 22% lower than $4.35 per pound in July 2021 (fig. 2, table 11). The average U.S. dealers buying price of number 2 copper scrap was $2.59 per pound in July 2022, a decline of 19% from $3.22 per pound in June and 22% less than $3.30 per pound in July 2021 (fig. 2, table 12). Analysts attributed the decreased prices primarily to widespread expectations for reduced global economic growth and lower demand for copper in the near future (Marjolin and Sumangil, 2022).

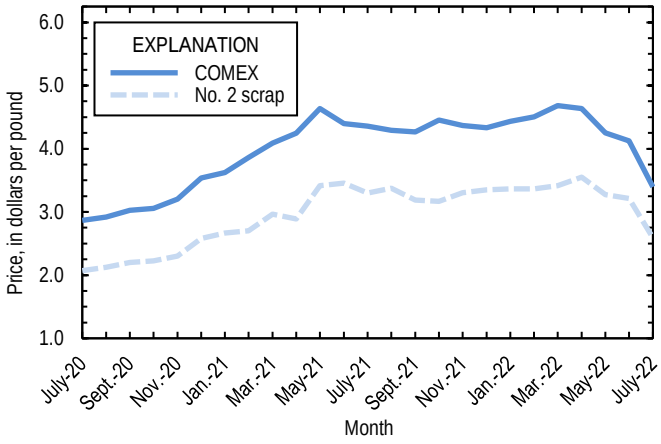

Figure 2. Monthly average Commodity Exchange Inc. (COMEX) copper price and no. 2 copper scrap U.S. dealers buying price from July 2020 through July 2022. Sources: Fastmarkets-AMM and S&P Global Platts Metals Week.

Stocks

Refined copper stocks in the United States totaled 126,000 t at the end of July 2022, essentially unchanged compared with those in June and 65% higher than those in July 2021. London

Metal Exchange Ltd. stocks in U.S. warehouses increased by 13,300 t (53%), and COMEX stocks fell by 11,600 t (17%) from those at the end of June (fig. 3, table 10).

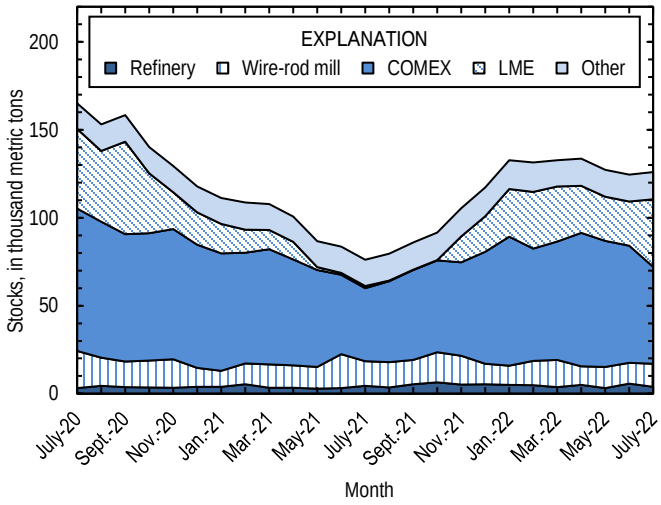

Figure 3. Domestic refined copper stocks at end of month, by type, from July 2020 through July 2022. Sources: London Metal Exchange Ltd., S&P Global Platts Metals Week, and U.S. Geological Survey.

Industry News

***Chile.*—**On July 2, the Corporación Nacional del Cobre de Chile (Codelco) announced that it had restarted its Ventanas smelter. The company halted operations at the facility on June 6 to conduct maintenance after approximately 100 people in nearby towns showed signs of exposure to sulfur dioxide emissions. Codelco announced on June 17 that it would permanently close the facility after the Government of Chile modified a law that required the company to smelt concentrates produced by the Empresa Nacional de Minería at Ventanas (Corporación Nacional del Cobre de Chile, 2022; Harris, 2022; Rostás, 2022).

***Congo (Kinshasa).*—**The Tenke Fungurume copper-cobalt mine, 80%-owned by CMOC Group Ltd. (China) and 20%-owned by Gécamines S.A. (Congo, Kinshasa), was one of the leading global producers of mined copper in 2021, with output of 209,000 t. On July 1, 2022, a court-appointed administrator ordered CMOC to stop marketing and exporting its production from the mine. The Government of Congo (Kinshasa) alleged that the company had understated the quantity of reserves at Tenke to lower its royalty payments to Gécamines (Ross, 2022).

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TABLE 1

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

(Metric tons, copper content, unless otherwise specified)

	Source table[2]	2021[p]	2022			
			May	June	July	January–July
Production:						
Primary (from ore):						
Mine, recoverable[3]	(2)	1,230,000	104,000 [r]	102,000 [r]	103,000	718,000
Smelter[e, 4]	(3)	360,000	30,000	30,000	30,000	225,000
Refinery:						
Electrolytic[e]	(4)	360,000	30,000	30,000	30,000	225,000
Electrowon	(4)	562,000 [r]	49,100	46,600 [r]	47,700	323,000
Total	(4)	922,000 [r]	79,100	76,600 [r]	77,700	548,000
Secondary (from copper-base scrap):[5]						
Refineries[6]	(5)	48,900	3,220	3,370	3,250	23,800
Ingot makers[e, 7]	(5)	51,600	4,300	4,300	4,300	30,100
Brass and wire-rod mills	(5)	655,000	53,400	53,500	53,900	377,000
Foundries, etc.[e, 7]	(5)	38,800	3,230	3,230	3,230	22,600
Consumption:						
Reported, refined copper	(7)	1,770,000	149,000	147,000	152,000	1,050,000
Apparent, primary refined and copper from old scrap[8]	(8)	1,960,000	170,000	167,000	168,000	1,140,000
Reported, purchased copper-base scrap (gross weight)	(9)	919,000	74,400	74,700	74,800	526,000
Stocks at end of period:						
Refined[9]	(10)	117,000	127,000	125,000	126,000	126,000
Blister and anodes	(10)	16,100	11,500	13,100	12,900	12,900
Price, U.S. producers cathode (cents per pound)[10]	(11)	432.264	434.929	422.540	350.610	438.431
Imports for consumption:[11]						
Ore and concentrates	(13)	11,000	--	1,440	2,250	7,180
Refined	(13)	919,000	74,300	75,900	80,900	519,000
Exports:[11]						
Ore and concentrates	(14)	347,000	29,400	24,200	19,900	176,000
Refined	(14)	47,600	2,890	1,720	1,900	17,600

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

[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]Includes the recoverable copper content of concentrates (of copper and other metals), copper produced by solvent extraction and electrowinning, and copper recovered as precipitates.

[4]May contain small quantities of copper from scrap.

[5]Copper recovered from copper-base scrap and converted to refined metal, alloys, and other forms. Does not include copper recovered from scrap other than copper-base.

[6]Electrolytically refined and fire-refined copper.

[7]Plants are surveyed by the U.S. Geological Survey on an annual basis; data after 2020 not yet available. Monthly data are estimated based on the monthly average of 2020 annual data.

[8]Primary refined copper production plus copper recovered from old scrap (of copper-base and non-copper-base) plus refined imports for consumption minus refined exports, including adjustments for changes in refined stocks. Old scrap consists of copper items used by consumers.

[9]Stocks of refined copper at brass mills, exchanges, refineries, wire-rod mills, and other manufacturers.

[10]Source: S&P Global Platts Metals Week. Sum of the monthly average Commodity Exchange Inc. (COMEX) price and New York dealers cathode premium; reflects the delivered spot price of copper cathode to U.S. consumers by U.S. producers.

[11]Source: U.S. Census Bureau. See tables 13 and 14 for listings of the relevant Harmonized Tariff Schedule (imports) and Schedule B (exports) codes.

TABLE 2

MINE PRODUCTION OF COPPER IN THE UNITED STATES[1]

(Metric tons)

Period	Recoverable copper[2]			Contained copper		
	Arizona	Others[3]	Total	Electrowon	Concentrates[4]	Total
2021:[p]						
January–July	495,000 [r]	200,000 [r]	696,000 [r]	319,000 [r]	392,000 [r]	711,000 [r]
July	67,800 [r]	31,200 [r]	99,000 [r]	47,100 [r]	53,900 [r]	101,000
August	75,700 [r]	32,000 [r]	108,000	51,200 [r]	58,800	110,000
September	75,300 [r]	32,300 [r]	108,000 [r]	48,900 [r]	60,900 [r]	110,000
October	73,600 [r]	33,400 [r]	107,000 [r]	50,400	58,900 [r]	109,000 [r]
November	73,400 [r]	32,600 [r]	106,000	45,700 [r]	62,600 [r]	108,000
December	75,100 [r]	32,700 [r]	108,000 [r]	46,800 [r]	63,400 [r]	110,000
January–December	868,000 [r]	363,000 [r]	1,230,000	562,000 [r]	696,000 [r]	1,260,000
2022:						
January	72,200	33,500 [r]	106,000 [r]	45,400 [r]	62,800 [r]	108,000
February	65,500 [r]	31,900 [r]	97,400 [r]	40,300 [r]	59,300 [r]	99,600 [r]
March	73,100	31,500 [r]	105,000 [r]	48,500 [r]	58,300 [r]	107,000 [r]
April	73,000 [r]	28,600 [r]	102,000 [r]	45,000	58,900 [r]	104,000 [r]
May	76,100 [r]	28,400 [r]	104,000 [r]	49,100	57,600 [r]	107,000 [r]
June	73,900 [r]	27,900 [r]	102,000 [r]	46,600 [r]	57,400 [r]	104,000 [r]
July	73,400	29,200	103,000	47,700	57,000	105,000
January–July	507,000	211,000	718,000	323,000	411,000	734,000

[p]Preliminary. [r]Revised.

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

[2]Includes the recoverable copper content of concentrates (of copper and other metals), copper produced by solvent extraction and electrowinning, and copper recovered as precipitates.

[3]Includes production from Michigan, Missouri, Montana, Nevada, New Mexico, and Utah.

[4]Includes the contained copper content of concentrates (of copper and other metals) and copper recovered as precipitates.

TABLE 3
COPPER PRODUCED AT SMELTERS IN THE UNITED STATES[1, 2]

(Metric tons, copper content)

Period	Anode production[e, 3]
2021:[p]	
January–July	210,000
July	30,000
August	30,000
September	30,000
October	30,000
November	30,000
December	30,000
January–December	360,000
2022:	
January	35,000
February	35,000
March	35,000
April	30,000
May	30,000
June	30,000
July	30,000
January–July	225,000

[e]Estimated. [p]Preliminary.
[1]Data are rounded to no more than three significant digits; may not add to totals shown.
[2]Primary production. May contain small quantities of copper from scrap.
[3]To avoid disclosing company proprietary data, monthly smelter production data are estimated based on information in annual and 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[1]

(Metric tons)

Period	From primary materials			From scrap[3]	Total refined
	Electrolytic[e, 2]	Electrowon	Total primary		
2021:[p]					
January–July	210,000	319,000 [r]	529,000 [r]	29,000	558,000
July	30,000	47,100 [r]	77,100 [r]	3,340	80,400
August	30,000	51,200 [r]	81,200 [r]	3,750	84,900
September	30,000	48,900 [r]	78,900 [r]	4,590	83,500
October	30,000	50,400	80,400	3,540	83,900
November	30,000	45,700 [r]	75,700 [r]	3,990	79,700
December	30,000	46,800 [r]	76,800 [r]	4,060	80,800
January–December	360,000	562,000 [r]	922,000 [r]	48,900	971,000
2022:					
January	35,000	45,400 [r]	80,400 [r]	3,990	84,400
February	35,000	40,300 [r]	75,300 [r]	3,280	78,600
March	35,000	48,500 [r]	83,500 [r]	3,490	87,000
April	30,000	45,000	75,000	3,250	78,200
May	30,000	49,100	79,100	3,220	82,300
June	30,000	46,600 [r]	76,600 [r]	3,370	80,000
July	30,000	47,700	77,700	3,250	80,900
January–July	225,000	323,000	548,000	23,800	571,000

[e]Estimated. [p]Preliminary. [r]Revised.
[1]Data are rounded to no more than three significant digits; may not add to totals shown.
[2]To avoid disclosing company proprietary data, monthly electrolytically refined production data are estimated based on information in annual and quarterly public company reports and do not reflect actual production reported to the U.S. Geological Survey.
[3]Electrolytically refined and fire-refined copper.

TABLE 5
COPPER RECOVERED AS REFINED COPPER AND IN ALLOYS AND OTHER FORMS FROM PURCHASED COPPER-BASE SCRAP IN THE UNITED STATES[1, 2]

(Metric tons)

Period	Refineries[3]		Ingot makers[e, 4]		Brass and wire-rod mills		Foundries, etc.[e, 4]		Total[5]
	New scrap[e]	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	
2021:[p]									
January–July	11,700	17,300	2,760	27,400	361,000	25,400	5,340	17,300	468,000
July	1,680	1,660	394	3,910	50,400	3,330	763	2,470	64,600
August	1,680	2,080	394	3,910	50,500	3,540	763	2,470	65,400
September	1,680	2,910	394	3,910	51,300	3,130	763	2,470	66,500
October	1,680	1,860	394	3,910	51,900	3,490	763	2,470	66,400
November	1,680	2,320	394	3,910	50,900	3,080	763	2,470	65,500
December	1,680	2,380	394	3,910	48,500	2,480	763	2,470	62,600
January–December	20,100	28,800	4,730	46,900	614,000	41,100	9,160	29,600	795,000
2022:									
January	1,680	2,310	394	3,910	51,800	4,470	763	2,470	67,800
February	1,680	1,600	394	3,910	48,100	3,530	763	2,470	62,500
March	1,680	1,810	394	3,910	50,900	3,950	763	2,470	65,900
April	1,680	1,570	394	3,910	49,900	3,750	763	2,470	64,400
May	1,680	1,540	394	3,910	49,800	3,640	763	2,470	64,100
June	1,680	1,690	394	3,910	49,800	3,710	763	2,470	64,400
July	1,680	1,570	394	3,910	50,700	3,110	763	2,470	64,600
January–July	11,700	12,100	2,760	27,400	351,000	26,200	5,340	17,300	454,000

[e]Estimated. [p]Preliminary.

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

[2]New scrap refers to material generated during the manufacturing process. Old scrap consists of copper items used by consumers.

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

[4]Plants are surveyed by the U.S. Geological Survey on an annual basis; data after 2020 not yet available. Monthly data are estimated based on the monthly average of 2020 annual data.

[5]Does not include an estimate, based on 2020 annual data, of 2,670 tons per month from new scrap and 1,870 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
2021:[p]						
January–July	520,000	806,000	520,000	808,000	28,400	17,000
July	74,600	112,000	74,800	114,000	28,400	17,000
August	74,600	117,000	74,500	113,000	28,600	21,200
September	74,000	118,000	74,300	120,000	28,300	18,800
October	74,600	115,000	74,400	110,000	28,600	23,400
November	74,500	115,000	74,300	110,000	28,800	29,200
December	74,400	86,100	74,200	95,100	29,100	20,200
January–December	892,000	1,360,000	892,000	1,360,000	29,100	20,200
2022:						
January	74,300	117,000	74,300	114,000	29,100	25,400
February	76,000	103,000	75,800	107,000	29,300	19,300
March	76,900	118,000	77,000	116,000	29,300	21,500
April	76,300	117,000	76,100	112,000	29,500	26,200
May	74,200	112,000	74,300	116,000	29,400	21,900
June	74,800	111,000	74,900	115,000	29,300	17,200
July	74,600	117,000	74,800	114,000	29,100	21,000
January–July	527,000	796,000	527,000	795,000	29,100	21,000

[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[e, 2]	Total
2021:[p]				
January–July	242,000	765,000	36,200	1,040,000
July	34,400	108,000	5,180	147,000
August	34,500	113,000	5,180	153,000
September	34,700	112,000	5,180	152,000
October	34,700	109,000	5,180	148,000
November	34,300	110,000	5,180	150,000
December	34,700	81,800	5,180	122,000
January–December	415,000	1,290,000	62,100	1,770,000
2022:				
January	34,900	111,000	5,180	151,000
February	34,800	101,000	5,180	141,000
March	36,600	114,000	5,180	155,000
April	34,600	113,000	5,180	153,000
May	34,900	109,000	5,180	149,000
June	34,800	107,000	5,180	147,000
July	34,900	112,000	5,180	152,000
January–July	245,000	767,000	36,200	1,050,000

[e]Estimated. [p]Preliminary.

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

[2]Chemical plants, foundries, ingot makers, and miscellaneous manufacturers. These plants are surveyed by the U.S. Geological Survey on an annual basis; data after 2020 not yet available. Monthly data are estimated based on the monthly average of 2020 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]	Refined stock change during period	Apparent consumption[4]
2021:[p]						
January–July	529,000 [r]	100,000	493,000	33,700	-41,500	1,130,000 [r]
July	77,100 [r]	13,200	57,100	5,270	-7,320	149,000
August	81,200 [r]	13,900	105,000	1,830	3,260	195,000
September	78,900 [r]	14,300	90,700	2,300	6,480	175,000
October	80,400	13,600	92,300	3,490	5,550	177,000
November	75,700 [r]	13,600	60,000	2,630	13,900	133,000
December	76,800 [r]	13,100	77,300	3,630	11,900	152,000
January–December	922,000 [r]	169,000	919,000	47,600	-513	1,960,000
2022:						
January	80,400 [r]	15,000	140,000	2,530	15,500	218,000
February	75,300 [r]	13,400	34,300	3,110	-1,320	121,000
March	83,500 [r]	14,000	48,700	2,590	1,350	142,000
April	75,000	13,600	64,800	2,820	794	150,000
May	79,100	13,400	74,300	2,890	-6,470	170,000
June	76,600 [r]	13,600	75,900	1,720	-2,560	167,000
July	77,700	12,900	80,900	1,900	1,560	168,000
January–July	548,000	96,000	519,000	17,600	8,850	1,140,000

[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 (of copper-base and non-copper-base) and converted to refined metal, alloys, and other forms. Includes reported monthly production and estimates for annual reporters based on the monthly average of 2020 annual data. Old scrap consists of copper items used by consumers.

[3]Source: U.S. Census Bureau. Includes Harmonized Tariff Schedule (imports) and Schedule B (exports) codes 7403.11.0000, 7403.12.0000, 7403.13.0000, and 7403.19.0000.

[4]Primary refined copper production plus copper in old scrap plus refined imports for consumption minus refined exports minus refined stock change during period.

TABLE 9

U.S. CONSUMPTION OF PURCHASED COPPER-BASE SCRAP[1, 2]

(Metric tons, gross weight)

Period	Smelters and refineries		Ingot makers[e, 3]		Brass and wire-rod mills[4]		Foundries, etc.[e, 3]		Total
	New scrap[e]	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	
2021:[p]									
January–July	12,100	17,800	7,350	32,200	418,000	26,800	6,280	20,300	541,000
July	1,730	1,710	1,050	4,600	58,500	3,520	897	2,900	74,900
August	1,730	2,140	1,050	4,600	58,700	3,750	897	2,900	75,800
September	1,730	3,000	1,050	4,600	59,300	3,260	897	2,900	76,800
October	1,730	1,920	1,050	4,600	59,900	3,630	897	2,900	76,700
November	1,730	2,390	1,050	4,600	59,000	3,240	897	2,900	75,800
December	1,730	2,450	1,050	4,600	56,500	2,610	897	2,900	72,800
January–December	20,700	29,700	12,600	55,200	711,000	43,200	10,800	34,800	919,000
2022:									
January	1,730	2,380	1,050	4,600	59,800	4,610	897	2,900	78,000
February	1,730	1,650	1,050	4,600	56,200	3,720	897	2,900	72,800
March	1,730	1,870	1,050	4,600	59,200	4,250	897	2,900	76,500
April	1,730	1,620	1,050	4,600	58,100	3,980	897	2,900	74,800
May	1,730	1,590	1,050	4,600	57,800	3,810	897	2,900	74,400
June	1,730	1,740	1,050	4,600	57,900	3,880	897	2,900	74,700
July	1,730	1,620	1,050	4,600	58,800	3,220	897	2,900	74,800
January–July	12,100	12,500	7,350	32,200	408,000	27,500	6,280	20,300	526,000

[e]Estimated. [p]Preliminary.

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

[2]New scrap refers to material generated during the manufacturing process. Old scrap consists of copper items used by consumers.

[3]Plants are surveyed by the U.S. Geological Survey on an annual basis; data after 2020 not yet available. Monthly data are estimated based on the monthly average of 2020 annual data.

[4]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, copper content)

Period	Blister and anodes	Refined copper						
		Refineries	Wire-rod mills	Brass mills	Other[e, 2]	COMEX[3]	LME[4]	Total refined
2021:[p]								
July	12,300	4,410	14,000	8,190	6,850	41,600	1,180	76,200
August	12,000	3,620	14,200	8,330	6,850	46,100	400	79,500
September	10,200	5,400	13,700	8,670	6,850	51,200	125	86,000
October	15,700	6,400	17,200	8,640	6,850	52,100	325	91,500
November	15,900	5,250	16,300	9,080	6,850	53,200	14,700	105,000
December	16,100	5,440	11,500	9,500	6,850	63,800	20,200	117,000
2022:								
January	11,800	5,000	10,900	9,530	6,850	73,300	27,200	133,000
February	13,300	4,870	13,700	9,860	6,850	63,900	32,300	131,000
March	12,200	3,690	15,400	8,160	6,850	67,400	31,300	133,000
April	16,100	4,990	10,600	8,620	6,850	75,800	26,800	134,000
May	11,500	3,090	12,000	8,330	6,850	71,800	25,100	127,000
June	13,100	5,800	11,700	8,330	6,850	66,700	25,100	125,000
July	12,900	3,980	13,100	8,640	6,850	55,100	38,400	126,000

[e]Estimated. [p]Preliminary.

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

[2]Chemical plants, foundries, ingot makers, and miscellaneous manufacturers. These plants are surveyed by the U.S. Geological Survey on an annual basis; data after 2020 not yet available. Monthly data are estimated based on yearend 2020 stocks.

[3]Commodity Exchange Inc.

[4]London Metal Exchange Ltd., U.S. warehouses.

TABLE 11
AVERAGE PRICES FOR REFINED COPPER IN THE UNITED STATES
AND ON THE LONDON METAL EXCHANGE

(Cents per pound)

Period	COMEX first position[1]	U.S. producers cathode[2]	LME grade A cash[3]
2021:			
July	435.479	443.779	427.900
August	429.230	437.543	424.435
September	426.538	434.888	422.916
October	445.112	453.612	443.497
November	436.574	445.074	442.914
December	433.320	441.820	433.140
Year	424.306	432.264	422.496
2022:			
January	443.113	451.613	443.364
February	450.211	458.711	450.870
March	468.228	477.228	464.329
April	463.763	473.388	461.863
May	424.929	434.929	424.657
June	412.540	422.540	409.684
July	339.610	350.610	341.513
January–July	428.913	438.431	428.040

[1]Listed as "COMEX high grade first position." COMEX refers to the Commodity Exchange Inc.
[2]Sum of "COMEX high grade first position" and "NY dealer premium cathode." Reflects the delivered spot price of copper cathode to U.S. consumers by U.S. producers.
[3]LME refers to the London Metal Exchange Ltd.

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
2021:				
July	417.36	374.12	330.00	227.00
August	410.36	368.41	337.50	238.00
September	409.62	368.38	319.00	229.00
October	430.88	390.64	316.50	222.00
November	423.05	383.05	330.50	222.00
December	420.45	380.45	335.00	230.00
Year	408.14	369.04	314.79	212.63
2022:				
January	433.10	393.50	336.50	235.00
February	440.32	399.84	336.50	225.00
March	459.30	423.17	341.50	217.00
April	454.35	418.85	355.00	211.50
May	414.90	379.40	327.50	196.50
June	401.81	366.31	321.50	185.00
July	329.10	295.60	259.00	172.50
January–July	418.98	382.38	325.36	206.07

Source: Fastmarkets-AMM.

TABLE 13

U.S. IMPORTS FOR CONSUMPTION OF UNMANUFACTURED COPPER[1]

(Metric tons, copper content)

Country or locality	Ore and concentrates[2]			Matte, ash, and precipitates[3]			Blister and anodes[4]			Refined[5]		
		2022			2022			2022			2022	
	2021	July	January–July	2021	July	January–July	2021	July	January–July	2021	July	January–July
Belgium	--	--	--	236	--	97	--	--	--	29	--	2
Bolivia	--	--	--	--	--	--	--	--	--	763	--	--
Brazil	--	--	--	--	--	--	--	--	--	5,720	(6)	(6)
Canada	11,000	2,240	7,160	651	64	250	(6)	--	(6)	141,000	10,600	66,000
Chile	--	--	--	--	--	--	--	--	--	613,000	57,100	353,000
China	--	--	--	--	--	--	--	--	(6)	654	47	646
Congo (Kinshasa)	--	--	--	--	--	--	--	--	--	22,200	--	8,910
Finland	--	--	--	--	--	--	371	21	95	35	--	39
Germany	--	--	--	155	--	94	(6)	--	--	2,150	209	1,920
Japan	1	--	(6)	483	--	--	1	--	(6)	1,440	82	735
Mexico	--	--	--	8	(6)	2	(6)	--	--	87,300	10,200	57,300
Peru	--	--	--	--	--	--	--	--	--	28,500	2,600	29,300
Russia	--	--	--	--	--	--	--	--	--	3,900	--	--
South Africa	--	--	--	--	--	--	--	--	--	277	--	--
Zambia	--	--	--	--	--	--	--	--	--	11,400	--	1,230
Other	10	11	19	49	--	14	12	1	18	155	27	122
Total	11,000	2,250	7,180	1,580	64	456	384	22	113	919,000	80,900	519,000

-- 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 UNMANUFACTURED COPPER[1]

(Metric tons, copper content)

Country or locality	Ore and concentrates[2]			Matte, ash, and precipitates[3]			Blister and anodes[4]			Refined[5]		
		2022			2022			2022			2022	
	2021	July	January–July	2021	July	January–July	2021	July	January–July	2021	July	January–July
Belgium	246	--	37	6,120	504	3,520	1,490	10	160	--	--	--
Canada	39,500	2,780	19,900	16,200	359	8,600	18,800	112	865	24,700	1,130	9,300
China	65,600	2,100	28,700	548	--	28	171	--	20	3,190	3	2,030
Dominican Republic	202	8	81	--	--	6	--	--	--	10	--	(6)
Finland	783	552	552	--	--	--	--	--	--	--	--	--
Germany	784	--	--	430	(6)	39	190	117	138	20	--	1
Hong Kong	2	--	--	44	--	(6)	310	--	11	9	--	--
India	--	--	--	30	--	--	433	318	732	--	--	(6)
Italy	--	--	--	--	--	--	113	1	69	22	3	8
Japan	6,350	--	3,690	760	8	255	17	--	18	11	19	21
Korea, Republic of	2,370	--	48	171	4	85	1,320	202	1,070	30	--	--
Malaysia	5	--	98	47	--	48	188	20	99	13	3	13
Mexico	228,000	14,400	117,000	33	14	16	258	40	234	19,100	728	6,020
Philippines	2,350	--	2,320	1	--	(6)	39	--	60	--	--	35
Singapore	--	--	--	300	19	47	92	--	40	22	10	16
Slovakia	--	--	--	1,450	28	773	--	--	--	--	--	--
Spain	--	--	--	1,130	--	817	20	--	22	(6)	--	(6)
Taiwan	1,490	--	--	19	16	41	291	97	137	282	--	22
Trinidad and Tobago	--	--	--	--	--	--	157	--	--	--	--	--
Other	92	--	2,800	208	29	646	499	158	420	125	3	94
Total	347,000	19,900	176,000	27,500	983	14,900	24,400	1,080	4,100	47,600	1,900	17,600

-- 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]		
		2022			2022	
	2021	July	January–July	2021	July	January–July
Bahamas	--	--	--	608	38	425
Bolivia	114	--	--	442	--	57
Canada	19,900	1,300	11,000	48,200	3,340	24,800
Cayman Islands	--	--	--	219	17	119
Colombia	174	--	98	643	--	86
Costa Rica	729	55	402	1,480	144	877
Dominican Republic	1,550	81	908	2,720	194	1,470
Ecuador	88	--	24	277	14	57
El Salvador	--	--	--	583	124	702
Germany	210	35	157	191	(4)	6
Guatemala	--	--	--	484	13	190
Honduras	75	2	14	907	63	399
Jamaica	7	--	7	159	22	264
Mexico	12,600	996	6,630	43,800	4,130	25,600
Panama	1,040	89	793	496	27	263
Peru	19	--	--	439	--	185
Suriname	254	23	245	58	--	30
Uruguay	481	--	40	58	--	22
Venezuela	--	--	--	675	--	24
Vietnam	114	--	62	64	--	50
Other	301	9	98	2,060	53	1,340
Total	37,700	2,590	20,500	105,000	8,180	57,000

-- 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) 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.

[4]Less than ½ unit.

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]				
		2022							2022			
		No. 1		No. 2		Other			Segregated		Unsegregated	
	2021	July	January–July	July	January–July	July	January–July	2021	July	January–July	July	January–July
Austria	1,250	--	--	195	645	--	--	193	116	116	--	--
Belgium	20,700	989	9,490	1,430	6,660	262	4,130	8,520	120	918	564	4,720
Canada	61,000	--	--	--	--	4,660	36,900	53,900	--	--	4,590	27,300
Chile	2,380	--	21	--	--	--	--	345	--	--	--	--
China	195,000	6,920	48,100	3,480	31,300	9,960	75,900	43,300	1,910	13,100	512	5,470
Germany	19,100	667	6,440	117	719	328	1,450	15,300	279	1,350	1,110	8,540
Greece	15,000	912	3,930	152	230	529	2,380	2,140	18	167	142	1,200
Hong Kong	23,100	58	780	821	7,220	165	4,270	7,570	39	199	20	2,790
India	12,800	768	5,440	242	1,560	506	5,540	39,600	3,290	14,200	3,020	20,300
Japan	19,900	105	1,890	1,260	11,800	111	1,640	7,490	60	846	416	3,140
Korea, Republic of	47,200	1,510	9,990	1,220	7,730	793	7,120	17,100	442	3,140	357	5,340
Malaysia	63,900	479	2,780	508	2,120	858	10,200	88,200	604	6,410	2,310	17,500
Mexico	3,590	319	1,820	--	--	--	65	4,640	77	1,020	228	2,610
Netherlands	2,950	175	3,360	--	296	--	699	569	--	20	141	1,200
Pakistan	476	100	1,110	--	154	19	70	24,400	180	752	2,440	15,100
Poland	11,300	255	1,440	--	137	1,750	7,150	2,280	--	39	--	426
Russia	1,410	--	--	--	39	--	77	766	--	--	--	38
Slovakia	1,850	127	993	--	--	--	--	1,760	192	1,860	--	120
Spain	2,960	129	1,640	--	125	--	866	7,070	260	1,260	215	2,760
Sweden	1,080	--	--	--	--	37	332	2,480	--	--	271	1,140
Taiwan	13,800	184	2,090	260	1,750	498	5,520	6,310	178	804	262	1,220
Thailand	9,750	283	2,190	56	397	1,350	11,800	35,900	415	1,670	3,270	22,800
United Arab Emirates	1,770	--	630	--	23	19	39	3,320	--	(4)	405	3,480
Other	6,440	245	1,650	(4)	344	(4)	306	5,020	119	425	157	3,170
Total	539,000	14,200	106,000	9,740	73,200	21,800	177,000	378,000	8,300	48,300	20,400	150,000

-- 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.

[4]Less than ½ unit.

Source: U.S. Census Bureau.