

Mineral Industry Surveys

For information, contact:

Daniel M. Flanagan, Copper Commodity Specialist
National Minerals Information Center
Telephone: (703) 648-7726
Email: dflanagan@usgs.gov

Sheema Merchant (Data)

Telephone: (703) 659-9944

Email: smerchant@usgs.gov

Internet: <https://www.usgs.gov/centers/national-minerals-information-center/mineral-industry-surveys>

COPPER IN JULY 2024

In July 2024, U.S. mines produced 86,800 metric tons (t) of recoverable copper. Average daily mine production was 2,800 t, a slight decrease from that in June and 14% less than that in July 2023 (fig. 1). Year-to-date mine output of recoverable copper through July 2024 was 615,000 t, a decrease of 5% compared with that in the same time period in 2023 (table 2).

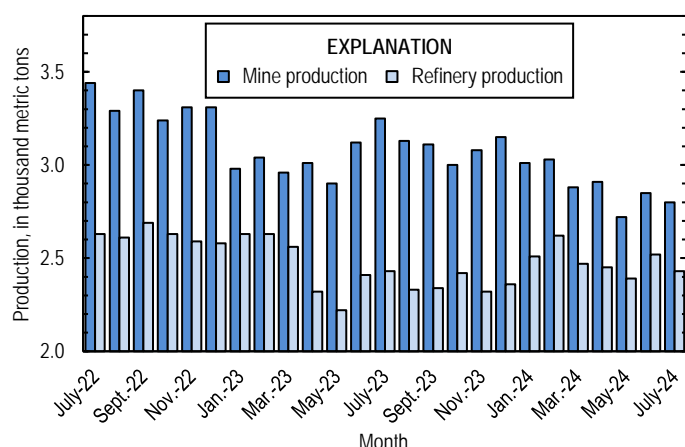


Figure 1. Average daily copper mine (recoverable) and refinery (primary and secondary) production in the United States from July 2022 through July 2024.

To avoid disclosing company proprietary data, smelter and electrolytic refinery production in July 2024 were estimated based on public information and do not reflect output reported to the U.S. Geological Survey. Estimated production of anodes at primary and secondary copper smelters in the United States was 37,000 t in July 2024. Year-to-date estimated smelter production was 268,000 t, an increase of 19% from that in the same time period in 2023 (table 3).

Domestic refineries produced 75,400 t of copper in July 2024; data for electrolytic and electrowon output, as well as refined production from scrap, are reported in table 4. Average daily refinery production of copper was 2,430 t, 3% lower than that in June and unchanged compared with that in July 2023 (fig. 1). Year-to-date refinery output through July 2024 was 529,000 t, slightly greater than that in the same time period in 2023.

Prices

In July 2024, the average Commodity Exchange Inc. (COMEX) copper price was \$4.35 per pound, a decrease of 4% from \$4.52 per pound in June and 13% higher than \$3.84 per pound in July 2023 (fig. 2, table 11). The average U.S. dealers buying price of number 2 copper scrap was \$3.50 per pound in July 2024, a slight decrease from \$3.57 per pound in June and an increase of 21% compared with \$2.90 per pound in July 2023 (fig. 2, table 12).

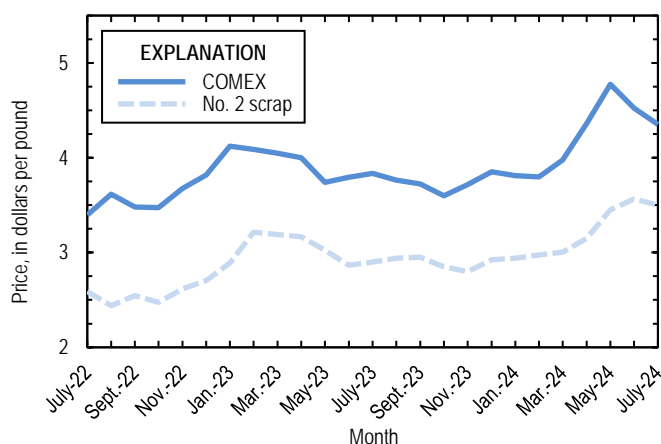


Figure 2. Monthly average Commodity Exchange Inc. (COMEX) copper price and no. 2 copper scrap U.S. dealers buying price from July 2022 through July 2024. Sources: Fastmarkets-AMM and S&P Global Platts Metals Week.

Stocks

Refined copper stocks in the United States totaled 45,500 t at the end of July 2024, 15% greater than those at the end of June and 55% less than those at the end of July 2023. Stocks at exchanges (COMEX and London Metal Exchange Ltd.) and stocks at producers and fabricators (brass mills, refineries, wire-rod mills, and other manufacturers) increased by 4,960 t (54%) and 870 t (3%), respectively, from those at the end of June (fig. 3, table 10).

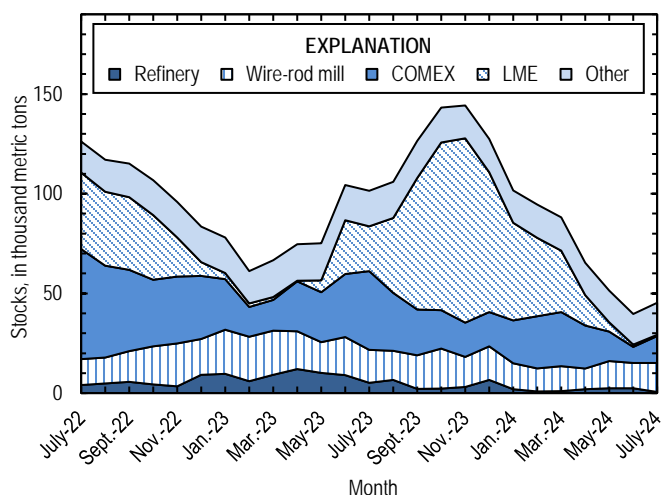


Figure 3. Domestic refined copper stocks at end of month, by type, from July 2022 through July 2024. Sources: London Metal Exchange Ltd., S&P Global Platts Metals Week, and U.S. Geological Survey.

A worksheet has been added to the Excel table files that includes a button to remove text and numerical footnotes from data cells. This will allow users to only have numbers in data cells. Please see the worksheet titled "RemoveTextButton" for instructions on how to use the tool. Note: You must download the Excel file to use the tool.

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

Table 1. Salient statistics of the copper industry in the United States.

[Data are rounded to no more than three significant digits, except prices; may not add to totals shown. Data are in metric tons, copper content, unless otherwise specified. Estimated and revised data are marked with a superscript "e" and "r".]

Copper statistic	Source table ¹	2023	2024			
			May	June	July	January–July
Primary production (from ore)						
Mine, recoverable ²	(²)	1,120,000	84,400	85,600	86,800	615,000
Smelter ^{3,4}	(³)	378,000	37,000 ^{e, r}	37,000 ^{e, r}	37,000 ^e	268,000 ^e
Refinery, electrolytic ⁴	(⁴)	327,000	32,000 ^{e, r}	32,000 ^{e, r}	32,000 ^e	230,000 ^e
Refinery, electrowon	(⁴)	515,000	38,900	40,200	40,200	276,000
Total refinery	(⁴)	842,000	70,900 ^r	72,200 ^r	72,200	506,000
Secondary production (from copper-base scrap) ⁵						
Refineries ⁶	(⁵)	38,900	3,220	3,220	3,240	22,600
Ingot makers ^{e, 7}	(⁵)	37,400	3,120	3,120	3,120	21,800
Brass and wire-rod mills	(⁵)	668,000	61,200	60,000	58,100	404,000
Foundries, etc. ^{e, 7}	(⁵)	35,200	2,930	2,930	2,930	20,500
Consumption						
Reported, refined copper	(⁷)	1,570,000	137,000	126,000	125,000	922,000
Apparent, primary refined copper and copper from old scrap ⁸	(⁸)	1,680,000	168,000 ^r	145,000 ^r	178,000	1,090,000
Reported, purchased copper-base scrap (gross weight)	(⁹)	898,000	80,400	79,100	77,200	538,000
Stocks at end of period						
Blister and anodes	(¹⁰)	10,500	18,600	10,200	12,500	12,500
Refined ⁹	(¹⁰)	127,000	51,400	39,600	45,500	45,500
Prices (cents per pound) ¹⁰						
Commodity Exchange Inc. (COMEX)	(¹¹)	385.749	477.507	452.313	435.248	422.810
U.S. producers cathode ¹¹	(¹¹)	395.297	487.757	464.313	446.248	432.371
Imports for consumption ¹²						
Ore and concentrates	(¹³)	3,300	0	0	3	11
Refined	(¹³)	771,000	70,000	52,500	106,000	452,000
Exports ¹²						
Ore and concentrates	(¹⁴)	339,000	32,300	26,100	30,300	193,000
Refined	(¹⁴)	33,200	4,430	3,320	6,450	34,300

¹Numbers in parentheses refer to the tables where these data are located.

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

³Primary and secondary production.

⁴To avoid disclosing company proprietary data, monthly smelter and electrolytic refinery production in 2024 are estimated based on public information and do not reflect output reported to the U.S. Geological Survey.

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

⁶Electrolytically refined and fire-refined copper.

⁷Plants are surveyed by the U.S. Geological Survey on an annual basis; data after 2022 not yet available. Data are estimated based on the monthly average of 2022 annual data.

⁸Primary refined copper production plus copper recovered from old scrap plus refined imports for consumption minus refined exports minus refined stock change during period. Old scrap consists of copper items used by consumers.

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

¹⁰Source: S&P Global Platts Metals Week.

¹¹Sum of the monthly average COMEX price and monthly average New York dealers cathode premium; reflects the delivered spot price of copper cathode to U.S. consumers by U.S. producers.

¹²Source: U.S. Census Bureau. See tables 13 and 14 for the relevant Harmonized Tariff Schedule of the United States (imports) and Schedule B of the United States (exports) codes.

Table 2. Mine production of copper in the United States.

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

Period	Recoverable copper ¹			Contained copper		
	Arizona	Others ²	Total	Electrowon	Concentrates ³	Total
2023						
January–July	468,000	176,000	644,000	306,000	352,000	658,000
July	68,800	32,000	101,000	47,800	55,000	103,000
August	67,000	30,100	97,100	44,600	54,500	99,100
September	64,600	28,600	93,200	42,500	52,600	95,100
October	64,200	28,900	93,100	43,000	52,100	95,000
November	64,200	28,200	92,400	37,500	57,000	94,500
December	66,900	30,800	97,700	41,100	58,300	99,500
January–December	795,000	322,000	1,120,000	515,000	626,000	1,140,000
2024						
January	65,500	28,000	93,400	40,700	54,800	95,500
February	60,500	27,500	87,900	38,600	51,200	89,900
March	61,300	28,100	89,400	39,200	52,100	91,300
April	60,900	26,400	87,300	38,200	51,000	89,200
May	59,200	25,100	84,400	38,900	47,200	86,100
June	62,100	23,500	85,600	40,200	47,100	87,400
July	62,900	23,900	86,800	40,200	48,500	88,700
January–July	432,000	182,000	615,000	276,000	352,000	628,000

¹Includes the recoverable copper content of concentrates (of copper and other metals), copper produced by solvent extraction and electrowinning, and copper recovered as precipitates.²Includes production from Michigan, Missouri, Montana, Nevada, New Mexico, and Utah.³Also includes copper recovered as precipitates.

Table 3. Copper produced at smelters in the United States.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons, copper content. Estimated and revised data are marked with a superscript “e” and “r”.]

Period	Anode production ¹
2023²	
January–July	226,000
July	22,000
August	22,000
September	22,000
October	36,000
November	36,000
December	36,000
January–December	378,000
2024^{e,3}	
January	40,000
February	40,000
March	40,000
April	37,000 ^r
May	37,000 ^r
June	37,000 ^r
July	37,000
January–July	268,000

¹Primary and secondary production.

²Data in 2023 consist of primary production from company reports and an estimated 3,000 metric tons per month of secondary anodes.

³To avoid disclosing company proprietary data, monthly anode production in 2024 is estimated based on public information and does not reflect output reported to the U.S. Geological Survey. Data consist of primary production estimated from information in company reports and an estimated 3,000 metric tons per month of secondary anodes.

Table 4. U.S. production of refined copper.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons.

Estimated and revised data are marked with a superscript “e” and “r”.]

Period	From primary materials			From scrap ²	Total refined
	Electrolytic ¹	Electrowon	Total primary		
2023					
January–July	192,000	306,000	498,000	22,600	520,000
July	24,400	47,800	72,200	3,270	75,500
August	24,400	44,600	69,000	3,220	72,200
September	24,400	42,500	66,900	3,300	70,200
October	28,900	43,000	71,900	3,250	75,100
November	28,900	37,500	66,400	3,220	69,600
December	28,900	41,100	70,000	3,240	73,300
January–December	327,000	515,000	842,000	38,900	881,000
2024					
January	34,000 ^{e, r}	40,700	74,700 ^r	3,220	77,900 ^r
February	34,000 ^{e, r}	38,600	72,600 ^r	3,220	75,800 ^r
March	34,000 ^{e, r}	39,200	73,200 ^r	3,220	76,400 ^r
April	32,000 ^{e, r}	38,200	70,200 ^r	3,230	73,400 ^r
May	32,000 ^{e, r}	38,900	70,900 ^r	3,220	74,100 ^r
June	32,000 ^{e, r}	40,200	72,200 ^r	3,220	75,500 ^r
July	32,000 ^e	40,200	72,200	3,240	75,400
January–July	230,000 ^e	276,000	506,000	22,600	529,000

¹Data in 2023 are from company reports. To avoid disclosing company proprietary data, monthly electrolytic production in 2024 is estimated based on information in company reports and does not reflect output reported to the U.S. Geological Survey.

²Electrolytically 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.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons. Estimated data are marked with a superscript "e".

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

Period	Refineries ¹		Ingot makers ^{e, 2}		Brass and wire-rod mills		Foundries, etc. ^{e, 2}		Total ³
	New scrap ^e	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	
2023									
January–July	11,700	10,900	2,450	19,400	368,000	23,800	5,180	15,400	457,000
July	1,680	1,590	350	2,770	52,600	3,260	740	2,190	65,100
August	1,680	1,540	350	2,770	53,500	3,280	740	2,190	66,000
September	1,680	1,620	350	2,770	51,800	2,960	740	2,190	64,100
October	1,680	1,570	350	2,770	51,700	3,220	740	2,190	64,200
November	1,680	1,540	350	2,770	53,000	2,700	740	2,190	64,900
December	1,680	1,560	350	2,770	52,500	2,240	740	2,190	64,100
January–December	20,100	18,700	4,200	33,200	630,000	38,200	8,880	26,300	780,000
2024									
January	1,680	1,540	350	2,770	52,400	4,070	740	2,190	65,700
February	1,680	1,540	350	2,770	52,600	3,330	740	2,190	65,200
March	1,680	1,550	350	2,770	50,800	3,360	740	2,190	63,400
April	1,680	1,550	350	2,770	54,500	3,530	740	2,190	67,300
May	1,680	1,540	350	2,770	57,500	3,650	740	2,190	70,500
June	1,680	1,550	350	2,770	57,300	2,690	740	2,190	69,300
July	1,680	1,570	350	2,770	55,400	2,640	740	2,190	67,400
January–July	11,700	10,800	2,450	19,400	381,000	23,300	5,180	15,400	469,000

¹Electrolytically refined and fire refined from scrap based on source of material at smelter or refinery level.²Plants are surveyed by the U.S. Geological Survey on an annual basis; data after 2022 not yet available. Data are estimated based on the monthly average of 2022 annual data.³Does not include an estimate, based on 2022 annual data, of 3,000 tons per month from new scrap and 2,560 tons per month from old scrap of copper recovered from scrap types other than copper-base.

Table 6. U.S. production, shipments, and stocks of brass and wire-rod semifabricates.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in 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
2023						
January–July	522,000	686,000	520,000	686,000	32,800	18,700
July	73,700	101,000	73,200	97,000	32,800	18,700
August	74,800	103,000	74,900	101,000	32,700	20,800
September	74,100	103,000	73,900	101,000	32,900	23,600
October	74,700	100,000	74,300	108,000	32,900	16,100
November	71,200	93,500	71,800	94,600	32,300	14,900
December	73,500	84,700	72,700	79,600	33,200	20,300
January–December	890,000	1,170,000	887,000	1,170,000	33,200	20,300
2024						
January	72,000	105,000	72,600	105,000	32,600	20,000
February	73,800	103,000	74,000	107,000	32,500	16,200
March	74,000	102,000	73,700	98,500	32,800	19,400
April	74,100	107,000	74,100	111,000	32,700	16,100
May	73,400	116,000	74,100	112,000	32,100	19,800
June	72,100	96,000	73,200	96,000	31,000	19,900
July	73,700	98,500	74,100	102,000	30,600	16,300
January–July	513,000	727,000	516,000	731,000	30,600	16,300

Table 7. U.S. consumption of refined copper.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons. Estimated data are marked with a superscript “e”.]

Period	Brass mills	Wire-rod mills	Other plants^{e,1}	Total
2023				
January–July	248,000	656,000	24,300	928,000
July	35,500	94,400	3,470	133,000
August	35,200	99,800	3,470	138,000
September	35,000	96,000	3,470	134,000
October	36,500	90,300	3,470	130,000
November	31,800	86,900	3,470	122,000
December	33,300	84,300	3,470	121,000
January–December	419,000	1,110,000	41,600	1,570,000
2024				
January	32,800	103,000	3,470	140,000
February	32,900	97,400	3,470	134,000
March	28,100	95,200	3,470	127,000
April	28,300	101,000	3,470	133,000
May	28,800	105,000	3,470	137,000
June	30,700	91,700	3,470	126,000
July	28,400	93,400	3,470	125,000
January–July	210,000	688,000	24,300	922,000

¹Chemical plants, foundries, ingot makers, and miscellaneous manufacturers. These plants are surveyed by the U.S. Geological Survey on an annual basis; data after 2022 not yet available. Data are estimated based on the monthly average of 2022 annual data.

Table 8. U.S. apparent consumption of copper.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons. Revised data are marked with a superscript “r”.]

Period	Primary refined copper production	Copper in old scrap ¹	Refined imports for consumption ²	Refined exports ²	Refined stock change during period	Apparent consumption ³
2023						
January–July	498,000	87,400	551,000	13,700	17,800	1,100,000
July	72,200	12,400	60,300	3,510	-2,990	144,000
August	69,000	12,300	54,300	3,580	4,450	128,000
September	66,900	12,100	59,600	3,650	20,700	114,000
October	71,900	12,300	48,800	3,910	16,600	112,000
November	66,400	11,800	30,000	4,870	1,110	102,000
December	70,000	11,300	26,800	3,540	-16,800	121,000
January–December	842,000	147,000	771,000	33,200	43,900	1,680,000
2024						
January	74,700 ^r	13,100	90,100	4,540	-25,800	199,000 ^r
February	72,600 ^r	12,400	39,700	4,870	-7,080	127,000 ^r
March	73,200 ^r	12,400	50,100	4,780	-6,400	137,000 ^r
April	70,200 ^r	12,600	43,800	5,880	-22,700	143,000 ^r
May	70,900 ^r	12,700	70,000	4,430	-14,100	163,000 ^r
June	72,200 ^r	11,800	52,500	3,320	-11,700	145,000 ^r
July	72,200	11,700	106,000	6,450	5,830	178,000
January–July	506,000	86,800	452,000	34,300	-82,000	1,090,000

¹Copper 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 2022 annual data. Old scrap consists of copper items used by consumers.

²Source: U.S. Census Bureau. Includes Harmonized Tariff Schedule of the United States (imports) and Schedule B of the United States (exports) codes 7403.11.0000, 7403.12.0000, 7403.13.0000, and 7403.19.0000.

³Primary 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.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons, gross weight. Estimated data are marked with a superscript “e”. New scrap refers to material generated during the manufacturing process. Old scrap consists of copper items used by consumers.]

Period	Smelters and refineries		Ingot makers ^{e,1}		Brass and wire-rod mills ²		Foundries, etc. ^{e,1}		Total
	New scrap ^e	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	
2023									
January–July	12,100	11,200	6,510	22,800	424,000	24,700	6,130	18,100	526,000
July	1,730	1,640	930	3,260	60,600	3,360	875	2,580	75,000
August	1,730	1,590	930	3,260	61,500	3,400	875	2,580	75,900
September	1,730	1,670	930	3,260	59,800	3,060	875	2,580	73,900
October	1,730	1,620	930	3,260	59,800	3,340	875	2,580	74,100
November	1,730	1,590	930	3,260	61,000	2,810	875	2,580	74,800
December	1,730	1,610	930	3,260	60,600	2,370	875	2,580	73,900
January–December	20,700	19,300	11,200	39,100	727,000	39,700	10,500	31,000	898,000
2024									
January	1,730	1,590	930	3,260	60,500	4,260	875	2,580	75,700
February	1,730	1,590	930	3,260	60,600	3,440	875	2,580	75,000
March	1,730	1,600	930	3,260	58,800	3,500	875	2,580	73,300
April	1,730	1,600	930	3,260	62,600	3,680	875	2,580	77,300
May	1,730	1,590	930	3,260	65,700	3,800	875	2,580	80,400
June	1,730	1,600	930	3,260	65,400	2,780	875	2,580	79,100
July	1,730	1,620	930	3,260	63,500	2,720	875	2,580	77,200
January–July	12,100	11,200	6,510	22,800	437,000	24,200	6,130	18,100	538,000

¹Plants are surveyeded by the U.S. Geological Survey on an annual basis; data after 2022 not yet available. Data are estimated based on the monthly average of 2022 annual data.

²Consumption at brass and wire-rod mills assumed equal to receipts.

Table 10. Copper stocks in the United States at end of period.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons, copper content. Estimated data are marked with a superscript “e”.]

Period	Blister and anodes	Refined copper						
		Refineries	Wire-rod mills	Brass mills	Other ^{e, 1}	COMEX ²	LME ³	Total refined
2023								
July	20,400	5,210	16,500	10,800	6,970	39,400	22,600	101,000
August	17,700	6,560	14,700	11,100	6,970	29,000	37,600	106,000
September	15,000	2,170	16,800	11,700	6,970	23,000	65,900	126,000
October	14,300	2,230	20,100	10,500	6,970	19,300	84,100	143,000
November	10,500	3,070	15,100	9,530	6,970	17,100	92,500	144,000
December	10,500	6,590	16,900	9,680	6,970	17,200	70,100	127,000
2024								
January	13,100	1,870	13,100	9,160	6,970	21,500	49,000	102,000
February	12,800	816	11,500	9,810	6,970	26,200	39,300	94,600
March	15,200	1,030	12,500	9,680	6,970	27,100	30,900	88,100
April	18,100	1,910	10,400	9,330	6,970	21,500	15,300	65,400
May	18,600	2,420	13,700	8,980	6,970	14,800	4,530	51,400
June	10,200	2,460	12,600	8,400	6,970	8,120	1,130	39,600
July	12,500	566	14,500	9,180	6,970	13,600	575	45,500

¹Chemical plants, foundries, ingot makers, and miscellaneous manufacturers. These plants are surveyed by the U.S. Geological Survey on an annual basis; data after 2022 not yet available. Data are estimated based on yearend 2022 stocks.

²Commodity Exchange Inc.

³London Metal Exchange Ltd., U.S. warehouses.

Table 11. Average prices for refined copper in the United States and on the London Metal Exchange.

[Data are in cents per pound. Source: S&P Global Platts Metals Week.]

Period	COMEX first position¹	U.S. producers cathode²	LME grade A cash³
2023			
July	383.570	393.570	383.041
August	376.330	386.330	378.804
September	372.360	382.360	375.129
October	359.964	368.664	360.118
November	371.836	379.211	370.743
December	385.153	392.653	380.729
January–December	385.749	395.297	384.772
2024			
January	381.207	389.107	378.455
February	379.663	388.038	376.937
March	397.643	406.143	393.496
April	436.091	444.991	430.075
May	477.507	487.757	459.417
June	452.313	464.313	437.296
July	435.248	446.248	426.067
January–July	422.810	432.371	414.535

¹Listed as “COMEX high grade first position.” COMEX refers to the Commodity Exchange Inc.²Sum 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.³LME refers to the London Metal Exchange Ltd.

Table 12. Average buying prices for copper scrap in the United States.
[Data are in cents per pound. Source: Fastmarkets-AMM.]

Data are in cents per pound. Source: Fastmarkets Asia.

Period	Brass mills no. 1 scrap	Refiners no. 2 scrap	Dealers	
			No. 2 scrap	Red brass turnings and borings
2023				
July	376.35	351.85	290.00	168.00
August	369.28	343.74	294.00	187.50
September	367.05	341.55	295.00	190.00
October	352.14	325.64	285.00	182.50
November	363.50	337.00	280.00	183.00
December	377.50	351.00	292.50	188.00
January–December	376.99	352.36	297.63	169.96
2024				
January	373.21	346.79	294.00	185.50
February	371.20	346.55	297.50	181.50
March	390.05	368.18	300.50	189.00
April	427.39	405.77	315.00	194.00
May	467.27	445.55	345.00	208.00
June	440.95	412.97	356.50	212.50
July	425.39	394.64	350.00	199.00
January–July	413.64	388.64	322.64	195.64

Table 13. U.S. imports for consumption of unmanufactured copper.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons, copper content. Source: U.S. Census Bureau.]

Country or locality	Ore and concentrates ¹			Matte, ash, and precipitates ²			Blister and anodes ³			Refined ⁴		
	2023	2024		2023	2024		2023	2024		2023	2024	
		July	January–July		July	January–July		July	January–July		July	January–July
Belgium	0	0	0	175	137	137	0	0	0	(⁵)	0	0
Canada	3,270	0	8	687	12	329	5	0	(⁵)	128,000	13,100	79,600
Chile	0	0	0	0	0	0	0	0	0	531,000	78,200	316,000
China	0	0	0	0	(⁵)	(⁵)	9	0	(⁵)	462	1	78
Congo (Kinshasa)	0	3	3	0	0	0	0	0	(⁵)	11,800	7,270	11,200
Finland	0	0	0	0	0	0	78	0	0	41	0	26
France	0	0	0	0	0	0	0	0	0	56	0	9
Germany	0	0	0	0	0	16	(⁵)	(⁵)	1	2,240	99	504
Hungary	34	0	0	0	0	0	0	0	0	0	0	0
Italy	0	0	0	2	0	0	0	0	0	(⁵)	0	2
Japan	1	(⁵)	(⁵)	0	0	0	(⁵)	(⁵)	(⁵)	1,880	267	932
Korea, Republic of	0	0	0	0	0	0	1	0	1	57	0	5
Malaysia	0	0	0	0	0	0	28	0	0	0	0	0
Mexico	2	0	0	24	(⁵)	6	0	0	0	14,000	816	5,590
Peru	0	0	0	0	0	0	0	0	0	79,500	5,660	37,800
Spain	0	0	0	203	0	0	0	0	(⁵)	(⁵)	0	0
United Kingdom	0	0	0	(⁵)	0	0	4	(⁵)	2	0	0	4
Zambia	0	0	0	0	0	0	0	0	0	2,040	0	0
Other	(⁵)	(⁵)	(⁵)	(⁵)	0	(⁵)	(⁵)	0	1	26	499	741
Total	3,300	3	11	1,090	149	489	125	(⁵)	4	771,000	106,000	452,000

¹Harmonized 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.²HTS 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.³HTS code 7402.00.0000.⁴HTS codes 7403.11.0000, 7403.12.0000, 7403.13.0000, and 7403.19.0000.⁵Less than ½ unit.

Table 14. U.S. exports of unmanufactured copper.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons, copper content. Source: U.S. Census Bureau.]

Country or locality	Ore and concentrates ¹			Matte, ash, and precipitates ²			Blister and anodes ³			Refined ⁴		
	2023	2024		2023	2024		2023	2024		2023	2024	
		July	January–July		July	January–July		July	January–July		July	January–July
Belgium	126	0	127	5,140	390	2,820	647	11	65	140	0	0
Canada	42,500	4,890	25,300	3,120	806	4,990	25,100	5,610	28,200	9,120	1,700	8,720
China	53,900	2,390	27,800	422	5	5	935	0	42	660	106	369
Dominican Republic	193	2	12	86	0	111	0	0	0	18	2	23
Finland	3,450	0	0	0	0	0	0	0	0	0	0	0
Germany	0	3	3	293	102	209	245	0	51	2,380	0	29
India	9	0	5	38	0	0	274	0	127	37	15	15
Italy	0	0	0	2	0	0	129	0	114	3	1	8
Japan	4,260	0	0	87	0	34	53	5	25	4	(⁵)	5
Korea, Republic of	11	0	56	105	99	628	1,240	40	827	90	0	67
Malaysia	119	50	807	2,780	0	121	630	49	146	1,870	568	3,270
Mexico	227,000	20,500	132,000	1,560	17	38	130	(⁵)	14	15,700	4,050	20,500
Netherlands	0	0	0	65	0	20	0	0	0	2,020	0	997
Pakistan	0	0	0	0	0	0	1	0	0	598	0	0
Philippines	0	0	22	1,020	0	0	47	0	25	0	0	0
Poland	0	0	0	999	58	405	0	0	0	0	0	0
Singapore	5	0	0	181	0	2	2	0	0	80	1	12
Slovakia	0	0	0	393	2	160	0	0	0	0	0	0
Spain	0	2,470	4,960	2,620	117	1,300	178	0	116	218	0	38
Switzerland	1,200	0	0	0	0	0	18	6	15	5	(⁵)	2
Taiwan	6,000	0	953	18	0	14	45	0	20	14	0	0
Thailand	0	0	45	13	0	0	144	0	26	1	0	0
Turkey	0	0	0	159	0	159	40	0	0	0	0	20
United Arab Emirates	0	0	0	0	0	0	53	0	0	156	0	0
Other	132	(⁵)	21	207	489	2,210	338	46	405	85	8	165
Total	339,000	30,300	193,000	19,300	2,080	13,200	30,300	5,760	30,200	33,200	6,450	34,300

¹Schedule 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.²Schedule 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.³Schedule B code 7402.00.0000.⁴Schedule B codes 7403.11.0000, 7403.12.0000, 7403.13.0000, and 7403.19.0000.⁵Less than ½ unit.

Table 15. U.S. imports for consumption of copper scrap.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons, gross weight. Source: U.S. Census Bureau.]

Country or locality	Unalloyed ¹			Alloyed ²		
	2023	2024		2023	2024	
		July	January–July		July	January–July
Antigua and Barbuda	0	0	0	139	17	113
Bahamas, The	0	0	0	606	42	289
Barbados	0	0	0	168	4	141
Bermuda	27	15	20	107	(³)	59
Bolivia	0	219	268	99	0	83
Brazil	113	0	42	230	10	16
Canada	15,100	1,580	9,930	32,200	3,320	22,300
Cayman Islands	0	0	4	214	14	104
Colombia	150	0	208	131	18	79
Costa Rica	829	80	475	1,020	148	856
Curacao	0	0	0	134	28	186
Dominican Republic	1,020	54	481	1,330	148	741
Ecuador	0	100	199	120	80	266
El Salvador	0	0	0	861	113	459
Germany	502	91	440	85	62	74
Grenada	0	0	0	155	19	147
Guatemala	0	0	0	280	41	176
Guyana	0	0	0	80	0	91
Haiti	0	0	0	192	50	250
Honduras	49	23	122	1,140	86	719
Jamaica	5	0	0	396	0	175
Mexico	12,900	1,310	8,610	45,000	4,090	26,600
Panama	961	88	941	627	115	735
Peru	0	0	59	96	47	172
Poland	73	8	8	0	0	0
Sint Maarten	0	0	0	256	43	249
Saint Lucia	0	0	4	181	11	88
Saint Vincent and the Grenadines	0	0	0	133	1	46
Suriname	264	0	116	83	0	35
Venezuela	0	0	0	145	55	282
Other	71	31	148	308	143	684
Total	32,000	3,590	22,100	86,500	8,710	56,200

¹Harmonized Tariff Schedule of the United States (HTS) codes 7404.00.3020 and 7404.00.6020.

²HTS 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.

³Less than ½ unit.

Table 16. U.S. exports of copper scrap.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons, gross weight. Source: U.S. Census Bureau.]

Country or locality	Unalloyed ¹							Alloyed ²				
	2023	2024						2023	2024			
		No. 1		No. 2		Other			Segregated		Unsegregated	
		July	January– July	July	January– July	July	January– July		July	January– July	July	January– July
Austria	930	0	0	394	678	0	0	1,850	0	0	0	333
Belgium	26,700	928	7,230	573	5,550	687	3,600	7,420	79	504	814	3,900
Cambodia	0	0	0	0	0	0	0	935	0	0	0	546
Canada	69,700	0	0	0	0	6,210	45,000	26,000	0	0	2,720	15,000
China	288,000	7,810	58,900	3,790	35,400	11,000	108,000	37,700	1,420	11,700	760	8,920
Germany	19,100	487	5,460	271	961	272	2,230	11,800	0	95	645	5,010
Greece	5,620	44	997	0	21	72	175	1,570	0	20	0	63
Hong Kong	18,100	218	826	1,740	8,810	461	2,800	3,710	58	318	39	1,260
India	19,500	972	6,220	516	2,400	521	4,470	54,000	1,180	12,000	2,380	20,400
Japan	18,500	481	3,230	666	3,410	495	4,380	6,420	96	662	257	2,320
Korea, Republic of	26,200	697	4,620	424	3,270	648	4,350	13,400	136	1,330	781	3,230
Malaysia	31,100	877	6,910	521	7,000	818	7,350	41,000	644	3,390	2,470	20,300
Mexico	2,660	245	1,660	(³)	2	32	140	1,860	46	198	65	323
Netherlands	2,210	101	591	139	357	19	38	1,030	19	120	238	1,000
Pakistan	524	20	155	365	1,120	70	107	16,900	0	1,260	1,820	10,200
Philippines	1,020	24	24	0	0	0	0	780	1	41	30	342
Poland	14,000	218	1,230	0	0	269	2,290	466	0	0	21	257
Singapore	1,750	0	20	0	0	0	88	402	0	0	100	416
Slovakia	800	55	324	0	255	0	0	1,570	0	1,210	18	768
Spain	1,650	84	472	40	552	22	378	4,620	39	498	403	2,050
Taiwan	9,190	421	2,280	18	174	475	3,590	4,220	0	137	176	2,100
Thailand	31,600	1,180	6,450	302	1,630	2,260	16,200	35,400	167	1,830	2,480	20,200
Turkey	572	7	666	0	0	0	0	1,140	0	17	40	299
United Arab Emirates	314	0	0	0	0	0	45	7,620	20	40	0	270
Vietnam	2,370	0	292	0	20	18	364	309	0	40	0	0
Other	1,830	43	352	(³)	326	24	340	1,530	111	211	63	968
Total	594,000	14,900	109,000	9,760	71,900	24,400	206,000	284,000	4,020	35,700	16,300	120,000

¹Schedule 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).²Schedule B codes for segregated copper-alloy 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 copper-alloy scrap are 7404.00.0085 and 7404.00.0095.³Less than ½ unit.