

Mineral Industry Surveys

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COPPER IN JULY 2020

In July 2020, domestic mine production of recoverable copper was 106,000 metric tons (t). The average daily mine production was 3,420 t, a slight decrease from that in June and a decline of 9% compared with that in July 2019 (fig. 1). Year-to-date recoverable mine output through July 2020 was 704,000 t, 4% less than that through the same period in 2019 (table 2).

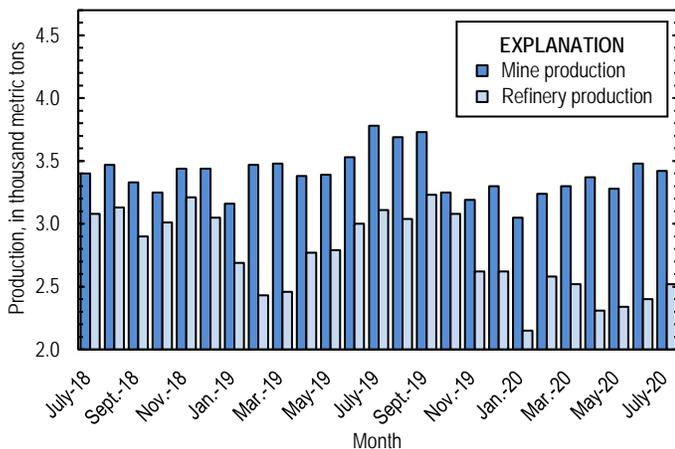


Figure 1. Average daily U.S. copper mine (recoverable) and refinery (primary and secondary) production from July 2018 through July 2020. Refinery production in November and December 2019 were withheld to avoid disclosing company proprietary data; the values shown reflect the daily average for cumulative production over this period rather than production in each month.

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

Estimated U.S. smelter production in July 2020 was 25,000 t. The estimated average daily output was 806 t, 27% lower than that in July 2019. Year-to-date estimated smelter production

through July 2020 was 175,000 t, a decrease of 33% relative to the same period in 2019 (table 3). Rio Tinto Kennecott (South Jordan, UT) expected to finish a rebuild of the flash converting furnace at its smelter near Salt Lake City, UT, in the second half of July 2020 but did not announce a completion date. The furnace was damaged by a magnitude 5.7 earthquake on March 18 (Rio Tinto plc, 2020, p. 2, 8).

Total refinery production in the United States was 78,200 t in July 2020; data for electrolytic and electrowon output, as well as refined production from scrap, are reported in table 4. Average daily total refinery production was 2,520 t, an increase of 5% compared with that in June and 19% less than that in July 2019 (fig. 1). Year-to-date refinery output was 511,000 t, a decrease of 12% from that through July 2019 (table 4).

Prices

The average July 2020 COMEX spot copper price was \$2.87 per pound, an increase of 10% from \$2.60 per pound in June and 7% higher than \$2.69 per pound in July 2019. The COMEX price rose for the third consecutive month and was 24% greater than the year-to-date monthly minimum of \$2.31 per pound in April (fig. 2, table 11). Improving economic conditions in China and a weakening U.S. dollar contributed to the price increase during this period (CRU International Ltd, 2020, p. 6). The average U.S. dealers buying price of number 2 copper scrap in July 2020 was \$2.07 per pound, 14% more than \$1.82 per pound in June (fig. 2, table 12).

Stocks

Refined copper stocks in the United States rose for the sixth consecutive month and totaled 165,000 t at the end of July 2020, an increase of 5% from those in June and 39% greater than those in July 2019. London Metal Exchange Ltd. stocks in U.S. warehouses fell by 6%, COMEX stocks were 7% higher, and wire-rod mill stocks increased by 23% compared with those at the end of June (fig. 3, table 10).

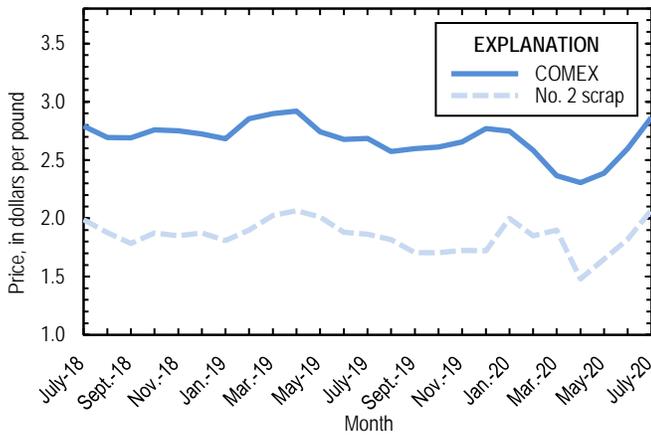


Figure 2. Monthly average COMEX copper price and no. 2 copper scrap dealers buying price from July 2018 through July 2020. As of January 2020, no. 2 prices were available only for the entire United States, whereas no. 2 prices were available only for individual domestic markets prior to January 2020.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

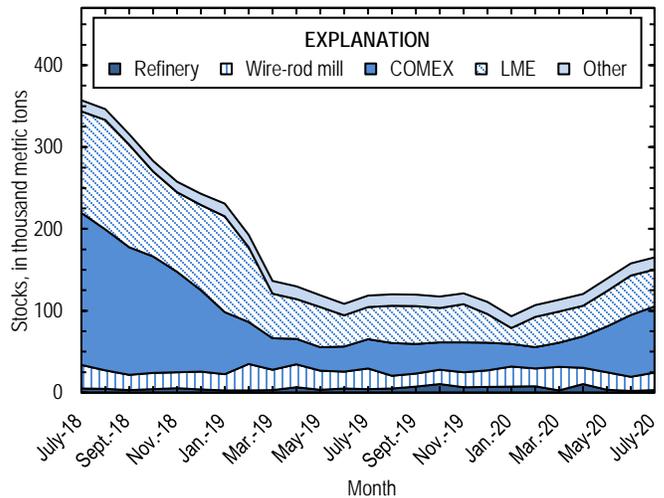


Figure 3. Monthly domestic refined copper stocks, by type, from July 2018 through July 2020. Sources: Fastmarkets-AMM, London Metal Exchange Ltd., and U.S. Geological Survey.

Industry News

Panama.—First Quantum Minerals Ltd. (Canada) announced on July 7 that it would begin to ramp up operations at the Cobre Panama Mine, which had been on care and maintenance since April 6 because of COVID-19 safety measures implemented by the Government of Panama. The mine, which began commercial production in September 2019, was the first major new copper mine to start producing in the past several years. Prior to the temporary closure, First Quantum had expected Cobre Panama to produce 285,000 to 310,000 t of copper in 2020 (First Quantum Minerals Ltd., 2020a, b).

United States.—On July 27, Capstone Mining Corp. (Canada) announced that it would expand solvent extraction and electrowinning (SX-EW) operations at its Pinto Valley Mine in Arizona. The company expected to produce about 135,000 to 160,000 t of SX-EW cathodes over the next 20 years, a significant increase from the approximately 2,000 t currently produced on an annual basis. Capstone will utilize a new leaching technology to extract copper from low-grade sulfide ores that were previously stored in waste stockpiles (Capstone Mining Corp., 2020).

References Cited

- Capstone Mining Corp., 2020, Capstone to expand leaching at Pinto Valley; 300 to 350 Mlbs of low-cost, copper cathode production potential: Vancouver, British Columbia, Canada, Capstone Mining Corp. news release, July 27, 7 p. (Accessed November 23, 2020, at https://s25.q4cdn.com/701614211/files/doc_news/archive/f0dfe538-cf6d-4dbd-a614-40426be7207b.pdf.)
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- Rio Tinto plc, 2020, Rio Tinto releases second quarter production results: London, United Kingdom, Rio Tinto plc news release, July 17, 24 p. (Accessed September 14, 2020, at <https://mc-56397411-4872-452d-b48e-428890-cdn-endpoint.azureedge.net/-/media/Content/Documents/Invest/Financial-news-and-performance/Production/RT-Second-Quarter-Operations-Review-2020.pdf?rev=0f6cf4aac41a4591a5a63ba6c5390e0f>.)

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TABLE 1
SALIENT STATISTICS OF THE COPPER INDUSTRY IN THE UNITED STATES¹

(Metric tons of copper content, unless otherwise specified)

	Source table ²	2019 ^p	2020			
			May	June	July	January– July
Production:						
Primary:						
Mine, recoverable	(2)	1,260,000	102,000	105,000	106,000	704,000
Smelter	(3)	464,000	20,000 ^e	20,000 ^e	25,000 ^e	175,000 ^e
Refinery:						
Electrolytic, domestic and foreign	(4)	457,000	20,000 ^e	20,000 ^e	25,000 ^e	175,000 ^e
Electrowon	(4)	527,000	48,200	48,200	49,500	310,000
Total	(4)	985,000	68,200	68,200	74,500	485,000
Secondary recoverable copper:³						
Refineries	(5)	44,400	4,380		3,720	26,500
Ingot makers ⁴	(5)	57,900	4,820	4,830	4,820	33,800
Brass and wire-rod mills	(5)	653,000	53,900	54,700	56,700	389,000
Foundries, etc. ⁴	(5)	36,700	3,060	3,060	3,060	21,400
Consumption:						
Apparent, primary refined and copper from old scrap	(8)	1,810,000	128,000	124,000	112,000	910,000
Reported, refined copper	(7)	1,830,000	142,000	135,000	147,000	1,030,000
Purchased copper-base scrap (gross weight)	(9)	923,000	77,200	77,200	79,100	547,000
Stocks at end of period:						
Total refined	(10)	111,000	139,000	158,000	165,000	165,000
Blister and anode	(10)	16,400	11,900	11,000	11,300	11,300
Price, U.S. producers cathode (cents per pound) ⁵	(11)	279.596	245.090	266.305	293.300	261.886
Imports:⁶						
Ore and concentrates	(13)	27,000	--	--	58	58
Refined	(13)	663,000	66,200	63,300	37,300	408,000
Exports:⁶						
Ore and concentrates	(14)	363,000	34,000	30,300	36,000	222,000
Refined	(14)	125,000	540	1,220	5,300	19,300

^eEstimated. ^pPreliminary. -- Zero.

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

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

³Copper recovered from copper-base scrap only.

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

⁵Source: Platts Metals Week.

⁶Source: U.S. Census Bureau.

TABLE 2
MINE PRODUCTION OF RECOVERABLE COPPER IN THE UNITED STATES¹

(Metric tons)

Period	Recoverable copper			Contained copper		
	Arizona	Others ²	Total	Electrowon	Concentrates ³	Total
2019:^P						
January–July	498,000	234,000	732,000	306,000	442,000	748,000
July	79,200	37,900	117,000	47,600	72,300	120,000
August	77,400	37,100	114,000	46,500	70,500	117,000
September	74,000	38,000	112,000	44,700	69,800	114,000
October	72,300	28,500	101,000	45,800	57,000	103,000
November	66,000	29,700	95,700	41,100	56,700	97,800
December	71,900	30,500	102,000	43,200	61,400	105,000
January–December	859,000	398,000	1,260,000	527,000	758,000	1,290,000
2020:						
January	65,800	28,800	94,600	33,300	63,700	97,000
February	65,400	28,600	94,000	41,000	55,100	96,100
March	73,800	28,400	102,000	44,900	59,600	104,000
April	76,400	24,700	101,000	44,600	58,800	103,000
May	75,500	26,200	102,000	48,200	55,700	104,000
June	77,700	26,800	105,000	48,200	58,600	107,000
July	79,300	26,700	106,000	49,500	58,900	108,000
January–July	514,000	190,000	704,000	310,000	410,000	720,000

^PPreliminary.

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

²Includes production from Michigan, Missouri, Montana, Nevada, New Mexico, and Utah.

³Includes copper content of precipitates and other metal concentrates.

TABLE 3
COPPER PRODUCED AT SMELTERS IN
THE UNITED STATES^{1,2}

(Metric tons, copper content)

Period	Anode production
2019:^p	
January–July	263,000
July	34,500
August	49,200
September	43,200
October	43,800
November	W
December	W
January–December	464,000
2020:^{e, 3}	
January	30,000
February	30,000
March	30,000
April	20,000
May	20,000
June	20,000
July	25,000
January–July	175,000

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

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

²Includes blister and copper anode from primary or secondary sources.

³To avoid disclosing company proprietary data, monthly smelter production data in 2020 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 RECOVERY¹

(Metric tons)

Period	Primary materials			Scrap	Total refined
	Electrolytically refined ²	Electrowon	Total		
2019: ^p					
January–July	252,000	306,000	558,000	25,500	584,000
July	45,100	47,600	92,600	3,860	96,500
August	41,800	46,500	88,300	5,860	94,100
September	49,000	44,700	93,700	3,360	97,000
October	46,500	45,800	92,300	3,220	95,500
November	W	41,100	W	3,240	W
December	W	43,200	W	3,240	W
January–December	457,000	527,000	985,000	44,400	1,030,000
2020:					
January	30,000 ^{e,3}	33,300	63,300	3,260	66,600
February	30,000 ^{e,3}	41,000	71,000	3,820	74,800
March	30,000 ^{e,3}	44,900	74,900	3,220	78,100
April	20,000 ^{e,3}	44,600	64,600	4,530	69,100
May	20,000 ^{e,3}	48,200	68,200	4,380	72,600
June	20,000 ^{e,3}	48,200	68,200	3,620	71,800
July	25,000 ^{e,3}	49,500	74,500	3,720	78,200
January–July	175,000 ^{e,3}	310,000	485,000	26,500	511,000

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

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

²From domestic and foreign source materials.

³To avoid disclosing company proprietary data, monthly electrolytically refined production data in 2020 are estimates based on information 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 STATES¹

(Metric tons, copper content)

Period	Refineries ²		Ingot makers ³		Brass and wire-rod mills		Foundries, etc. ³		Total ⁴
	New scrap ^e	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	
2019: ^p									
January–July	11,700	13,700	5,380	28,400	360,000	23,800	15,000	6,390	464,000
July	1,680	2,190	768	4,060	49,100	3,590	2,150	913	64,400
August	1,680	4,180	768	4,060	52,800	3,030	2,150	913	69,600
September	1,680	1,680	768	4,060	49,700	2,330	2,150	913	63,300
October	1,680	1,540	768	4,060	51,000	2,490	2,150	913	64,600
November	1,680	1,560	768	4,060	51,700	2,560	2,150	913	65,400
December	1,680	1,560	768	4,060	51,800	2,290	2,150	913	65,200
January–December	20,100	24,200	9,220	48,700	617,000	36,500	25,800	11,000	792,000
2020:									
January	1,680	1,590	768	4,060	53,400	3,760	2,150	913	68,300
February	1,680	2,140	768	4,060	52,400	3,580	2,150	913	67,700
March	1,680	1,540	768	4,060	52,100	3,370	2,150	913	66,600
April	1,680	2,850	768	4,060	51,800	2,950	2,150	913	67,100
May	1,680	2,700	768	4,060	51,300	2,600	2,150	913	66,200
June	1,680	1,940	768	4,060	51,700	3,030	2,150	913	66,300
July	1,680	2,040	768	4,060	53,400	3,290	2,150	913	68,300
January–July	11,700	14,800	5,380	28,400	366,000	22,600	15,000	6,390	470,000

^eEstimated. ^pPreliminary.

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

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

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

⁴Does not include an estimate, based on reported 2018 annual data, of 3,380 tons per month from new scrap and 2,710 tons per month from old scrap of copper recovered from scrap other than copper-base.

TABLE 6
U.S. PRODUCTION, SHIPMENTS, AND STOCKS OF BRASS AND WIRE-ROD SEMIFABRICATES¹

(Metric tons, gross weight)

Period	Production		Shipments		Stocks, end of period	
	Brass mills	Wire-rod mills	Brass mills	Wire-rod mills	Brass mills	Wire-rod mills
2019: ^p						
January–July	513,000	773,000	514,000	789,000	29,400	25,200
July	70,300	110,000	70,900	113,000	29,400	25,200
August	73,800	112,000	73,700	116,000	29,500	22,700
September	73,200	113,000	73,300	110,000	29,400	26,400
October	73,900	112,000	74,000	114,000	29,200	23,800
November	73,200	101,000	73,000	100,000	29,400	24,600
December	72,700	93,500	72,200	94,100	29,900	24,000
January–December	880,000	1,300,000	880,000	1,320,000	29,900	24,000
2020:						
January	73,700	110,000	74,200	106,000	29,400	27,800
February	73,900	110,000	73,600	106,000	29,700	31,800
March	74,500	108,000	74,100	112,000	30,100	27,800
April	72,500	94,600	73,500	96,200	29,000	26,100
May	73,400	95,300	73,400	91,400	29,000	30,000
June	73,700	89,400	73,600	96,100	29,200	23,400
July	73,500	108,000	73,300	104,000	29,300	27,000
January–July	515,000	714,000	516,000	711,000	29,300	27,000

^pPreliminary.

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

TABLE 7
U.S. CONSUMPTION OF REFINED COPPER¹

(Metric tons)

Period	Brass mills	Wire-rod mills	Other plants ²	Total
2019: ^p				
January–July	243,000	796,000	38,100	1,080,000
July	34,100	107,000	5,450	147,000
August	34,000	116,000	5,450	155,000
September	34,100	110,000	5,450	150,000
October	34,200	118,000	5,450	158,000
November	34,100	112,000	5,450	151,000
December	33,100	104,000	5,450	142,000
January–December	413,000	1,360,000	65,400	1,830,000
2020:				
January	34,500	120,000	5,450	160,000
February	33,600	117,000	5,450	156,000
March	33,600	104,000	5,450	143,000
April	34,500	107,000	5,450	146,000
May	34,100	102,000	5,450	142,000
June	34,700	95,300	5,450	135,000
July	34,300	107,000	5,450	147,000
January–July	239,000	751,000	38,100	1,030,000

^pPreliminary.

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

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

TABLE 8
U.S. APPARENT CONSUMPTION OF COPPER¹

(Metric tons)

Period	Primary refined copper production	Copper in old scrap ²	Refined imports for consumption ³	Refined exports ³	Stock change during period	Apparent consumption
2019: ^p						
January–July	558,000	91,300	376,000	84,100	-124,000	1,070,000
July	92,600	13,500	68,200	9,810	10,000	154,000
August	88,300	14,900	50,500	6,960	1,580	145,000
September	93,700	11,700	60,700	8,410	-484	158,000
October	92,300	11,700	66,800	8,540	-2,550	165,000
November	W	11,800	49,000	9,510	4,330	W
December	W	11,500	59,500	7,830	-10,900	W
January–December	985,000	153,000	663,000	125,000	-132,000	1,810,000
2020:						
January	63,300	13,000	62,300	4,170	-17,300	152,000
February	71,000	13,400	34,400	2,470	13,400	103,000
March	74,900	12,600	70,500	4,000	6,860	147,000
April	64,600	13,500	74,300	1,580	6,790	144,000
May	68,200	13,000	66,200	540	18,600	128,000
June	68,200	12,700	63,300	1,220	18,900	124,000
July	74,500	13,000	37,300	5,300	7,430	112,000
January–July	485,000	91,100	408,000	19,300	54,700	910,000

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

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

²Copper 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

³Source: U.S. Census Bureau.

TABLE 9
U.S. CONSUMPTION OF PURCHASED COPPER-BASE SCRAP¹

(Metric tons, gross weight)

Period	Smelters and refineries		Ingot makers ²		Brass and wire-rod mills ³		Foundries, etc. ²		Total scrap used
	New scrap ^c	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	
2019: ^p									
January–July	12,100	14,200	14,400	33,600	416,000	25,100	18,000	7,050	540,000
July	1,730	2,260	2,050	4,790	57,100	3,880	2,570	1,010	75,400
August	1,730	4,310	2,050	4,790	61,000	3,240	2,570	1,010	80,700
September	1,730	1,730	2,050	4,790	57,800	2,510	2,570	1,010	74,200
October	1,730	1,730	2,050	4,790	59,200	2,720	2,570	1,010	75,800
November	1,730	1,610	2,050	4,790	59,800	2,760	2,570	1,010	76,400
December	1,730	1,610	2,050	4,790	59,900	2,460	2,570	1,010	76,100
January–December	20,700	25,100	24,600	57,500	714,000	38,800	30,800	12,100	923,000
2020:									
January	1,730	1,660	2,050	4,790	61,600	3,960	2,570	1,010	79,400
February	1,730	2,180	2,050	4,790	60,500	3,790	2,570	1,010	78,700
March	1,730	1,590	2,050	4,790	60,300	3,590	2,570	1,010	77,600
April	1,730	2,940	2,050	4,790	59,900	3,150	2,570	1,010	78,100
May	1,730	2,790	2,050	4,790	59,500	2,760	2,570	1,010	77,200
June	1,730	2,000	2,050	4,790	59,900	3,160	2,570	1,010	77,200
July	1,730	2,100	2,050	4,790	61,500	3,340	2,570	1,010	79,100
January–July	12,100	15,300	14,400	33,600	423,000	23,700	18,000	7,050	547,000

^cEstimated. ^pPreliminary.

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

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

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

TABLE 10
COPPER STOCKS IN THE UNITED STATES AT END OF PERIOD¹

(Metric tons)

Period	Blister and anode ²	Refined copper					LME ⁴	Total refined
		Refineries	Wire-rod mills	Brass mills	Other ³	Comex		
2019: ^P								
July	15,500	4,350	25,000	7,070	7,070	36,000	39,200	119,000
August	14,500	5,050	15,400	6,930	7,070	40,000	45,700	120,000
September	8,340	7,180	16,200	6,800	7,070	36,000	46,500	120,000
October	25,400	10,600	17,500	6,680	7,070	33,200	42,200	117,000
November	10,200	6,650	18,200	6,580	7,070	36,400	46,600	121,000
December	16,400	7,010	20,000	7,520	7,070	34,100	35,000	111,000
2020:								
January	9,590	7,200	24,800	7,330	7,070	27,600	19,300	93,300
February	17,900	7,810	21,900	7,250	7,070	26,000	36,700	107,000
March	7,940	2,750	28,600	7,290	7,070	29,800	38,100	114,000
April	7,430	10,300	19,900	7,210	7,070	38,700	37,200	120,000
May	11,900	3,550	21,200	7,730	7,070	55,900	43,500	139,000
June	11,000	2,070	17,200	7,900	7,070	75,600	48,000	158,000
July	11,300	3,090	21,200	7,770	7,070	81,000	45,200	165,000

^PPreliminary.

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

²Copper content.

³Monthly estimates based on 2018 annual data, comprising stocks at ingot makers, chemical plants, foundries, and miscellaneous manufacturers.

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

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

(Cents per pound)

Period	U.S. producers cathode ¹	Comex first position ²	LME cash price Grade A
2019:			
July	275.657	268.657	269.397
August	264.293	257.243	258.890
September	266.490	259.740	260.588
October	268.065	261.165	260.470
November	272.588	265.463	265.774
December	284.342	277.029	274.970
Year	279.596	272.267	272.364
2020:			
January	282.467	274.967	274.362
February	265.695	258.382	257.907
March	243.464	236.714	234.886
April	236.881	230.631	228.985
May	245.090	238.715	237.402
June	266.305	259.805	260.470
July	293.300	286.600	288.202
January–July	261.886	255.116	254.602

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

²Listed as "Comex high grade first position."

Source: Platts Metals Week.

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

(Cents per pound)

Period	Brass mills No. 1 scrap	Refiners No. 2 scrap	Dealers (United States) ¹	
			No. 2 scrap	Red brass turnings and borings
2019:				
July	258.48	227.95	186.32	138.00
August	247.20	217.00	181.68	134.18
September	250.05	220.50	170.50	131.00
October	250.04	221.04	170.50	128.00
November	253.84	224.84	172.50	127.53
December	264.76	236.19	172.12	127.00
Year	262.76	233.19	185.19	136.53
2020:				
January	262.29	234.76	200.00	139.00
February	244.87	218.26	185.00	115.00
March	223.75	197.73	190.00	139.00
April	219.33	196.05	148.00	125.00
May	230.18	208.95	165.00	111.00
June	253.82	232.41	182.09	120.55
July	279.55	258.32	207.09	130.00
January–July	244.83	220.93	182.45	125.65

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

Source: Fastmarkets AMM.

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

(Metric tons, copper content)

Country or locality	Ore and concentrates ²			Matte, ash, and precipitates ³			Blister and anodes ⁴			Refined ⁵		
	2020			2020			2020			2020		
	2019	July	January– July	2019	July	January– July	2019	July	January– July	2019	July	January– July
Belgium	--	--	--	228	113	221	--	--	--	2,300	--	--
Bolivia	--	--	--	13	--	--	--	--	--	1,510	--	264
Canada	(6)	58	58	451	26	159	(6)	--	(6)	138,000	11,900	93,300
Chile	--	--	--	--	--	--	--	--	--	422,000	18,400	230,000
Finland	--	--	--	--	--	--	191	--	165	38	--	--
Germany	--	--	--	(6)	--	--	--	--	(6)	2,010	156	1,220
Japan	--	--	--	295	--	82	(6)	--	(6)	2,540	213	1,610
Mexico	27,000	--	--	138	(6)	(6)	(6)	--	--	82,300	6,580	71,400
Netherlands	--	--	--	120	--	--	4	--	(6)	(6)	--	(6)
Peru	(6)	--	--	--	--	--	--	--	--	10,000	--	9,310
Saudi Arabia	--	--	--	98	--	--	--	--	--	--	--	--
Spain	--	--	--	540	49	49	1	--	--	(6)	--	654
Tunisia	--	--	--	--	--	--	35	--	--	--	--	--
Zambia	--	--	--	--	--	--	--	--	--	689	--	--
Other	27	--	--	76	1	5	5	(6)	2	1,160	78	534
Total	27,000	58	58	1,960	188	517	236	(6)	168	663,000	37,300	408,000

-- Zero.

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

²Harmonized 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.

³HTS 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.

⁴HTS code 7402.00.0000.

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

⁶Less than ½ unit.

Source: U.S. Census Bureau.

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

(Metric tons, copper content)

Country or locality	Ore and concentrates ²			Matte, ash, and precipitates ³			Blister and anodes ⁴			Refined ⁵		
	2020			2020			2020			2020		
	2019	July	January-- July	2019	July	January-- July	2019	July	January-- July	2019	July	January-- July
Austria	--	--	--	--	--	--	127	--	--	--	--	--
Belgium	161	--	97	3,290	580	4,180	359	11	87	129	--	43
Brazil	5,370	--	--	--	--	--	39	--	10	1	--	4
Bulgaria	15,900	--	4,350	--	--	--	--	--	--	--	--	--
Canada	14,400	2,930	18,300	14,700	1,210	7,170	2,600	58	929	32,100	134	8,000
China	7	7,420	13,600	97	--	21	200	--	86	13	7	61
Germany	--	--	--	597	76	216	286	--	100	1	--	--
Hong Kong	--	7	9	19	--	--	279	19	71	20	--	1
India	--	--	11	--	--	--	259	2	102	36	--	--
Italy	--	--	--	--	--	--	208	--	50	26	--	86
Japan	27,400	--	5,880	48	--	58	26	--	23	11	--	3
Korea, Republic of	15,500	--	6,300	74	--	1	1,520	53	753	682	842	878
Malaysia	35	--	--	--	--	--	188	20	99	1	--	--
Mexico	248,000	24,200	155,000	1,210	--	1	32	--	11	92,100	4,310	10,100
Philippines	11,900	--	6,250	--	--	--	56	--	10	2	--	--
Slovakia	--	--	--	1,080	79	663	--	--	--	--	--	--
Spain	22,700	--	8,990	259	157	817	61	--	20	--	--	--
Sweden	--	--	--	--	--	--	463	--	135	(6)	--	--
Other	1,950	1,450	3,640	763	14	404	564	88	631	181	7	113
Total	363,000	36,000	222,000	22,200	2,110	13,500	7,270	251	3,120	125,000	5,300	19,300

-- Zero.

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

²Harmonized 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.

³HTS 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.

⁴HTS code 7402.00.0000.

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

⁶Less than ½ unit.

Source: U.S. Census Bureau.

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

(Metric tons, gross weight)

Country or locality	Unalloyed ²			Alloyed ³		
	2020			2020		
	2019	July	January– July	2019	July	January– July
Bahamas	--	--	--	736	63	372
Canada	16,700	1,140	8,390	49,900	3,300	21,700
Chile	--	--	--	1,300	--	40
Colombia	251	9	40	1,050	14	358
Costa Rica	473	89	330	1,160	62	427
Dominican Republic	610	130	420	2,120	101	676
El Salvador	--	--	--	695	18	161
Germany	188	--	103	111	41	83
Guatemala	17	--	--	603	20	153
Honduras	63	1	36	679	96	339
Japan	1,040	--	--	--	--	--
Mexico	11,500	730	4,350	42,100	2,720	19,100
Pakistan	151	--	--	--	--	--
Panama	736	49	437	483	9	141
Suriname	124	--	29	100	--	29
Venezuela	28	--	--	554	--	55
Vietnam	114	8	63	17	2	11
Other	519	9	186	3,850	227	1,170
Total	32,600	2,170	14,400	105,000	6,670	44,800

-- Zero.

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

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

³HTS 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 SCRAP¹

(Metric tons, gross weight)

Country or locality	Unalloyed ²						Alloyed ³					
	2020						2020					
	2019	No. 1		No. 2		Other		2019	Segregated		Unsegregated	
		July	January– July	July	January– July	July	January– July		July	January– July	July	January– July
Belgium	23,600	356	3,240	723	7,020	142	693	14,300	76	465	876	6,040
Canada	49,200	--	--	--	--	4,180	30,500	42,000	--	--	2,670	15,600
China	74,800	4,090	16,500	2,800	11,100	4,290	16,900	13,100	2,510	6,690	4,390	12,300
Germany	29,400	1,020	9,940	203	2,210	209	3,310	14,300	16	431	823	9,370
Greece	8,180	541	3,770	298	1,410	73	760	973	58	336	18	452
Hong Kong	19,900	973	4,900	97	357	59	1,220	30,500	59	1,140	433	5,630
India	14,400	168	1,390	319	2,300	200	1,850	45,500	1,090	11,800	643	7,410
Japan	22,600	506	1,590	914	4,560	105	1,480	20,300	254	1,120	1,300	7,210
Korea, Republic of	46,900	1,720	15,400	301	4,300	1,650	6,010	25,000	422	4,010	932	7,720
Malaysia	65,300	415	2,470	1,530	7,170	2,860	14,600	156,000	2,250	10,800	9,440	57,600
Netherlands	4,300	255	1,360	179	442	127	1,190	1,010	--	--	95	377
Pakistan	882	--	17	65	476	--	--	19,800	23	105	1,220	7,490
Poland	5,450	141	1,700	5	691	265	1,050	45	--	--	501	2,400
Spain	1,510	85	388	174	1,300	87	592	8,510	175	1,670	396	3,100
Taiwan	20,300	543	3,650	514	2,880	485	5,150	20,300	219	2,000	3,940	9,750
Thailand	4,120	73	1,010	--	726	59	1,540	16,300	235	2,500	1,320	7,200
Other	31,200	916	8,920	797	7,560	397	5,120	21,300	444	2,580	718	8,510
Total	422,000	11,800	76,200	8,920	54,500	15,200	92,000	450,000	7,820	45,700	29,700	168,000

-- Zero.

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

²Harmonized Tariff Schedule of the United States (HTS) codes 7404.00.0010 and 7404.00.0015 (no. 1), 7404.00.0025 (no. 2), and 7404.00.0030 (other).

³HTS 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. HTS codes for unsegregated alloyed copper scrap are 7404.00.0085 and 7404.00.0095.

Source: U.S. Census Bureau.