

Mineral Industry Surveys

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COPPER IN DECEMBER 2019

In December 2019, domestic mine production of recoverable copper was 101,000 metric tons (t). The average daily mine production was 3,250 t, a slight increase from that in November and a decrease of 6% compared with that in December 2018 (fig. 1). Total recoverable mine production in 2019 was 1.26 million metric tons (Mt), 3% greater than 1.22 Mt in 2018 (table 2). Mine output of copper rose in the United States during 2019 primarily owing to higher production at ASARCO LLC's (Tucson, AZ) Mission Mine and Freeport-McMoRan Inc.'s (Phoenix, AZ) Morenci Mine (Freeport-McMoRan Inc., 2020, p. 5, 13; Grupo México, S.A.B. de C.V., 2020, p. 161). At the Mission Mine, output recovered from that in 2018, when operations were affected by a landslide early in the year (Grupo México, S.A.B. de C.V., 2018, p. 1). These production increases were partially offset by reduced output from Rio Tinto Kennecott's (South Jordan, UT) Bingham Canyon Mine as a consequence of lower ore grades (Rio Tinto plc, 2020, p. 8).

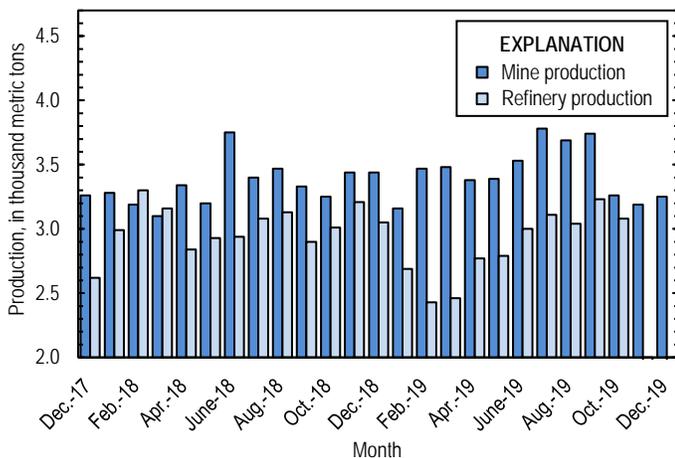


Figure 1. Average daily U.S. copper mine (recoverable) and refinery production from December 2017 through December 2019. Refinery production in November and December 2019 were withheld to avoid disclosing company proprietary data.

Owing to temporary closures of the ASARCO smelter and refinery as a result of a worker strike, smelter and refinery production in December 2019 were withheld to avoid disclosing company proprietary data (Grupo México, S.A.B. de C.V., 2019, p. 5). Total smelter output in 2019 was 466,000 t, 13% less than 536,000 t in 2018, and total refinery production, including refined production from scrap, was 1.03 Mt, a decline of 7% from 1.11 Mt in 2018 (tables 3, 4). In addition to the strike at ASARCO facilities, smelter and refinery output in 2019 were affected by planned and unplanned maintenance of the Rio Tinto smelter (Rio Tinto plc, 2020, p. 8).

Prices

The average December 2019 COMEX spot copper price was \$2.77 per pound, an increase of 4% from \$2.65 per pound in November and slightly higher than \$2.72 per pound in December 2018 (fig. 2, table 11). The average COMEX spot price for all of 2019 was \$2.72 per pound compared with \$2.93 per pound in 2018. The average price of New York dealers' number 2 scrap in December 2019 was \$1.72 per pound, nearly unchanged from \$1.73 per pound in November and a decrease of 8% from \$1.88 per pound in December 2018 (fig. 2, table 12).

Stocks

Refined copper stocks in the United States totaled 127,000 t at the end of December 2019, an increase of 6% from those in November and 48% less than those in December 2018. COMEX stocks fell by 6%, and London Metal Exchange Ltd. stocks in U.S. warehouses were 25% lower compared with those at the end of November. Stocks at wire-rod mills more than doubled, likely owing to a strike at ASARCO facilities (fig. 3, table 10).

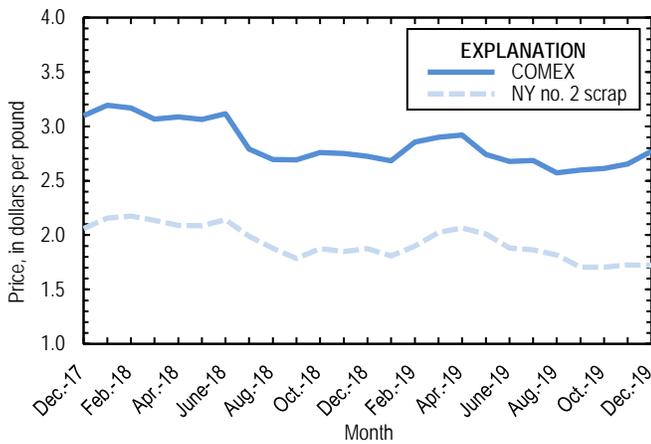


Figure 2. Monthly average COMEX copper price and New York no. 2 copper scrap price from December 2017 through December 2019. Sources: American Metal Market, Platts Metals Week.

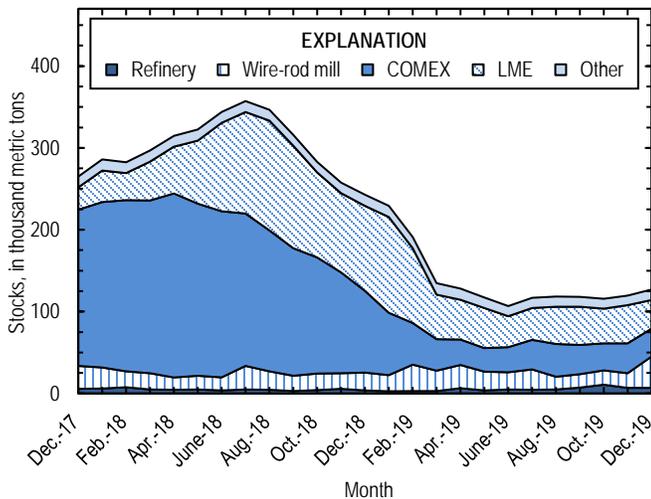


Figure 3. Monthly domestic refined copper stocks, by type, from December 2017 through December 2019. Sources: American Metal Market, London Metal Exchange Ltd., and U.S. Geological Survey.

Industry News

United States.—Copper production commenced at the Pumpkin Hollow Mine, owned and operated by Nevada Copper Corp. (Reno, NV), near Yerington, NV. The company anticipated that Pumpkin Hollow would produce an annual average of approximately 30,000 t of copper in concentrates over a mine life of nearly 14 years (Nevada Copper Corp., 2019).

References Cited

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- Nevada Copper Corp., 2019, Nevada Copper commences production at Pumpkin Hollow: Yerington, NV, Nevada Copper Corp. news release, December 16, 3 p. (Accessed December 20, 2019, at https://nevadacopper.com/site/assets/files/4115/ncu_-_commencement_of_production_final.pdf.)
- Rio Tinto plc, 2020, Rio Tinto releases fourth quarter production results: London, United Kingdom, Rio Tinto plc news release, January 17, 28 p. (Accessed March 11, 2020, at <https://mc-56397411-4872-452d-b48e-428890-cdn-endpoint.azureedge.net/-/media/Content/Documents/Invest/Financial-news-and-performance/Production/RT-Fourth-Quarter-Operations-Review-2019-pdf.pdf?rev=346f745439c340d9b14eb7d1310479f>.)

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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				January– December
		2018 ^p	October	November	December	
Production:						
Primary:						
Mine, recoverable	(2)	1,220,000	101,000 ^r	95,800 ^r	101,000	1,260,000
Smelter	(3)	536,000	43,800	W	W	466,000
Refinery:						
Electrolytic, domestic and foreign	(4)	538,000	46,500	W	W	457,000
Electrowon	(4)	532,000	45,800	41,100	43,200	528,000
Total	(4)	1,070,000	92,300	W	W	985,000
Secondary recoverable copper:³						
Refineries	(5)	41,200	3,220	3,240	3,530	44,700
Ingot makers ⁴	(5)	56,800	4,730	4,730	4,730	56,800
Brass and wire-rod mills	(5)	652,000	53,500	54,200	54,100	653,000
Foundries, etc. ⁴	(5)	36,300	3,030	3,030	3,030	36,300
Consumption:						
Apparent	(8)	1,800,000	167,000	W	W	1,790,000
Refined (reported)	(7)	1,810,000	157,000	151,000	142,000	1,830,000
Purchased copper-base scrap (gross weight)	(9)	918,000	76,000	76,600	76,700	926,000
Stocks at end of period:						
Total refined	(10)	243,000	115,000	120,000	127,000	127,000
Blister and anode	(10)	9,230	25,400	10,200	30,200	30,200
Price, U.S. producers cathode (cents per pound) ⁵	(11)	298.737	268.065	272.588	284.342	279.596
Imports:⁶						
Ore and concentrates	(13)	32,200	1,180	--	(7)	27,000
Refined	(13)	778,000	69,300	46,500	59,500	663,000
Exports:⁶						
Ore and concentrates	(14)	253,000	26,000	41,500	31,000	363,000
Refined	(14)	190,000	8,530	9,510	7,830	125,000

^pPreliminary. ^rRevised. -- Zero. W Withheld to avoid disclosing company proprietary data.

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 2017 annual data.

⁵Source: Platts Metals Week.

⁶Source: U.S. Census Bureau.

⁷Less than ½ unit.

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
2018: ^p						
December	69,300	37,300	107,000	45,800	63,000	109,000
January–December	801,000	421,000	1,220,000	532,000	716,000	1,250,000
2019:						
January	67,900	29,900	97,800	42,400	57,600	99,900
February	63,600	33,500	97,100	39,800	59,500	99,200
March	72,400	35,500	108,000	44,600	65,700	110,000
April	69,700	31,600	101,000	41,300	62,300	104,000
May	71,500	33,700	105,000	44,700	62,800	108,000
June	73,400	32,400	106,000	45,900	62,100	108,000
July	79,200	38,000	117,000	47,600	72,300	120,000
August	77,400 ^r	37,200	115,000 ^r	46,500	70,500	117,000
September	74,000	38,100	112,000	44,700	69,900	115,000
October	72,300 ^r	28,600 ^r	101,000 ^r	45,800	57,100 ^r	103,000 ^r
November	66,000 ^r	29,800 ^r	95,800 ^r	41,100	56,800 ^r	97,900 ^r
December	70,100	30,500	101,000	43,200	59,500	103,000
January–December	858,000	399,000	1,260,000	528,000	756,000	1,280,000

^pPreliminary. ^rRevised.

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
2018: ^P	
December	40,600
January–December	536,000
2019:	
January	34,700
February	17,700
March	37,000
April	32,900
May	54,100
June	51,800
July	34,500
August	49,200
September	43,200
October	43,800
November	W
December	W
January–December	466,000

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

¹Includes blister and copper anode from primary or secondary sources.

²Data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 4
 PRODUCTION OF REFINED COPPER, BY SOURCE AND METHOD OF RECOVERY¹

(Metric tons)

Period	Primary materials			Scrap	Total refined
	Electrolytically refined ²	Electrowon	Total		
2018: ^P					
December	45,300	45,800	91,200	3,520	94,700
January–December	538,000	532,000	1,070,000	41,200	1,110,000
2019:					
January	37,100	42,400	79,500	3,770	83,200
February	25,000	39,800	64,800	3,330	68,100
March	27,800	44,600	72,500	3,950	76,400
April	38,100	41,300	79,400	3,600	83,000
May	38,300	44,700	83,000	3,470	86,500
June	40,600	45,900	86,500	3,480	90,000
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	3,530	W
January–December	457,000	528,000	985,000	44,700	1,030,000

^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.

²From domestic and foreign source materials.

TABLE 5
COPPER RECOVERABLE IN UNALLOYED AND ALLOYED FORM FROM PURCHASED COPPER-BASE SCRAP¹

(Metric tons, copper content)

Period	Refineries ²		Ingot makers ³		Brass and wire-rod mills		Foundries, etc. ³		Total ⁴
	New scrap ^c	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	
2018: ^p									
December	1,680	1,840	710	4,020	50,800	2,700	2,200	830	64,800
January–December	20,100	21,000	8,520	48,300	616,000	35,800	26,400	9,960	787,000
2019:									
January	1,680	2,100	710	4,020	52,100	3,520	2,200	830	67,200
February	1,680	1,660	710	4,020	51,900	3,170	2,200	830	66,200
March	1,680	2,270	710	4,020	52,200	3,310	2,200	830	67,200
April	1,680	1,930	710	4,020	51,400	3,340	2,200	830	66,100
May	1,680	1,790	710	4,020	51,600	3,330	2,200	830	66,100
June	1,680	1,800	710	4,020	51,400	3,550	2,200	830	66,100
July	1,680	2,190	710	4,020	49,100	3,590	2,200	830	64,300
August	1,680	4,180	710	4,020	52,800	3,030	2,200	830	69,400
September	1,680	1,680	710	4,020	49,700	2,330	2,200	830	63,200
October	1,680	1,540	710	4,020	51,000	2,490	2,200	830	64,400
November	1,680	1,560	710	4,020	51,700	2,560	2,200	830	65,200
December	1,680	1,850	710	4,020	51,800	2,290	2,200	830	65,300
January–December	20,100	24,500	8,520	48,300	617,000	36,500	26,400	9,960	791,000

^cEstimated ^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 2017 annual data.

⁴Does not include an estimate, based on reported 2017 annual data, of 3,190 tons per month from new scrap and 2,560 tons per month from old scrap of copper recovered from scrap other than copper-base.

TABLE 6
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
2018: ^P						
December	73,800	97,700	73,000	92,100	29,700	27,000
January–December	884,000	1,330,000	884,000	1,330,000	29,700	27,000
2019:						
January	74,200	113,000	73,800	116,000	30,000	23,700
February	73,500	103,000	73,600	110,000	29,900	17,100
March	74,200	117,000	73,800	112,000	30,400	22,400
April	73,700	104,000	73,900	111,000	30,200	23,800
May	73,800	116,000	74,100	112,000	29,800	28,400
June	73,600	109,000	73,500	116,000	30,000	22,100
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

^PPreliminary.

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

TABLE 7
CONSUMPTION OF REFINED COPPER¹

(Metric tons)

Period	Brass mills	Wire-rod mills	Other plants ²	Total
2018: ^P				
December	34,600	98,000	5,170	138,000
January–December	419,000	1,330,000	62,100	1,810,000
2019:				
January	34,900	116,000	5,170	156,000
February	34,800	106,000	5,170	146,000
March	34,900	123,000	5,170	163,000
April	34,900	119,000	5,170	159,000
May	35,400	114,000	5,170	154,000
June	34,200	110,000	5,170	150,000
July	34,100	107,000	5,170	147,000
August	34,000	116,000	5,170	155,000
September	34,100	110,000	5,170	149,000
October	34,200	118,000	5,170	157,000
November	34,100	112,000	5,170	151,000
December	33,100	104,000	5,170	142,000
January–December	413,000	1,360,000	62,100	1,830,000

^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 2017 annual data.

TABLE 8
U.S. APPARENT CONSUMPTION OF COPPER¹

(Metric tons)

Period	Refined copper production ²	Copper in old scrap ³	Refined general imports ⁴	Refined exports ⁴	Stock change during period	Apparent consumption
2018: ^P						
December	91,200	12,000	44,800	12,400	-14,900	150,000
January–December	1,070,000	146,000	747,000	190,000	-22,500	1,800,000
2019:						
January	79,500	13,000	57,600	12,600	-13,800	151,000
February	64,800	12,200	37,000	13,100	-37,900	139,000
March	72,500	13,000	39,900	10,200	-56,500	172,000
April	79,400	12,700	65,000	13,500	-6,390	150,000
May	83,000	12,500	52,000	11,000	-11,200	148,000
June	86,500	12,800	54,800	13,800	-10,100	150,000
July	92,600	13,200	68,200	9,810	10,000	154,000
August	88,300	14,600	51,100	6,960	1,580	145,000
September	93,700	11,400	61,200	8,410	-484	158,000
October	92,300	11,400	69,600	8,540	-2,550	167,000
November	W	11,500	46,500	9,510	4,330	W
December	W	11,600	61,800	7,250	7,250	W
January–December	985,000	150,000	665,000	125,000	-116,000	1,790,000

^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.

²Includes electrowon production and electrolytically-refined copper from primary materials. All refined copper consumed in scrap form is included in "Copper in old scrap."

³Includes 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 2017 annual data.

⁴Source: U.S. Census Bureau.

TABLE 9
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 ^e	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	
2018: ^p									
December	1,730	1,900	2,030	5,040	58,700	2,770	2,620	935	75,800
January–December	20,700	20,700	24,400	60,500	712,000	36,800	31,500	11,200	918,000
2019:									
January	1,730	2,160	2,030	5,040	60,100	3,610	2,620	935	78,300
February	1,730	1,710	2,030	5,040	59,900	3,260	2,620	935	77,200
March	1,730	2,340	2,030	5,040	60,200	3,410	2,620	935	78,300
April	1,730	1,990	2,030	5,040	59,400	3,450	2,620	935	77,200
May	1,730	1,850	2,030	5,040	59,700	3,540	2,620	935	77,500
June	1,730	1,850	2,030	5,040	59,400	3,910	2,620	935	77,500
July	1,730	2,260	2,030	5,040	57,100	3,880	2,620	935	75,600
August	1,730	4,310	2,030	5,040	61,000	3,240	2,620	935	80,900
September	1,730	1,730	2,030	5,040	57,800	2,510	2,620	935	74,400
October	1,730	1,730	2,030	5,040	59,200	2,720	2,620	935	76,000
November	1,730	1,610	2,030	5,040	59,800	2,760	2,620	935	76,600
December	1,730	1,920	2,030	5,040	59,900	2,460	2,620	935	76,700
January–December	20,700	25,500	24,400	60,500	714,000	38,800	31,500	11,200	926,000

^eEstimated. ^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 2017 annual data.

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

TABLE 10
COPPER STOCKS AT END OF PERIOD¹

(Metric tons)

Period	Crude copper ²	Refined copper					Total refined	
		Refineries ³	Wire-rod mills ³	Brass mills ³	Other ⁴	Comex		
2018: ^P								
December	9,230	3,850	21,800	8,210	5,350	99,600	104,000	243,000
2019:								
January	9,550	2,700	19,700	8,370	5,350	76,100	117,000	229,000
February	10,200	2,750	32,300	8,270	5,350	51,200	91,300	191,000
March	15,000	2,970	24,800	8,400	5,350	38,700	54,400	135,000
April	8,860	6,630	28,100	8,370	5,350	31,100	48,600	128,000
May	9,210	3,550	23,200	7,250	5,350	28,700	49,000	117,000
June	13,600	5,000	20,700	7,120	5,350	30,700	38,000	107,000
July	15,500	4,350	25,000	7,070	5,350	36,000	39,200	117,000
August	14,500	5,050	15,400	6,930	5,350	40,000	45,700	118,000
September	8,340	7,180	16,200	6,800	5,350	36,000	46,500	118,000
October	25,400	10,600	17,500	6,680	5,350	33,200	42,200	115,000
November	10,200	6,650	18,200	6,580	5,350	36,400	46,600	120,000
December	30,200	7,010	38,100	7,520	5,350	34,100	35,000	127,000

^PPreliminary.

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

²Copper content of blister and anode.

³Stocks of refined copper as reported; no estimates are made for nonrespondents.

⁴Monthly estimates based on 2017 annual data, comprising stocks at ingot makers, chemical plants, foundries, and miscellaneous manufacturers.

⁵London 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
2018:			
December	279.026	272.338	276.397
Year	298.737	292.567	295.960
2019:			
January	275.588	268.238	269.052
February	293.129	285.566	284.754
March	297.974	289.974	292.581
April	299.820	292.007	292.317
May	282.232	274.282	273.412
June	274.968	267.843	266.166
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
January–December	279.596	272.267	272.364

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

(Cents per pound)

Period	Brass mills No. 1 scrap	Refiners No. 2 scrap	Dealers (New York)	
			No. 2 scrap	Red brass turnings and borings
2018:				
December	264.52	238.72	187.50	141.00
Year	283.19	254.90	200.31	150.76
2019:				
January	260.33	235.19	180.79	139.00
February	278.66	252.39	189.82	140.42
March	282.69	253.31	202.50	145.00
April	284.26	252.17	206.50	147.00
May	265.41	231.95	201.05	143.18
June	257.40	225.70	188.00	138.00
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
January–December	262.76	233.19	185.19	136.53

Source: American Metal Market.

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			Refined		
	2019			2019			2019			2019		
	2018	December	January– December	2018	December	January– December	2018	December	January– December	2018	December	January– December
Belgium	--	--	--	283	--	228	--	--	--	10,100	--	2,300
Bolivia	--	--	--	--	13	13	--	--	--	1,460	--	1,510
Canada	40	--	(4)	613	45	451	(4)	(4)	(4)	172,000	13,600	138,000
Chile	--	--	--	--	--	--	--	--	--	483,000	34,900	422,000
China	8	--	--	2	--	--	--	--	(4)	111	39	360
Congo (Brazzaville)	--	--	--	--	--	--	--	--	--	1,040	--	--
Congo (Kinshasa)	--	--	--	--	--	--	--	--	--	3,380	--	--
Finland	--	--	--	--	--	--	292	1	191	--	--	38
Germany	--	--	--	--	--	(4)	(4)	--	--	1,260	104	2,010
Japan	--	--	--	10	--	295	2	(4)	(4)	3,990	260	2,540
Malaysia	--	--	--	--	--	--	54	--	--	--	--	--
Mexico	32,100	--	27,000	539	(4)	138	--	--	(4)	63,100	8,590	82,300
Netherlands	--	--	--	115	120	120	2	1	4	(4)	--	(4)
Peru	--	(4)	(4)	--	--	--	--	--	--	19,100	2,010	10,000
Saudi Arabia	--	--	--	85	--	98	--	--	--	--	--	--
Zambia	--	--	--	--	--	--	--	--	--	18,900	--	689
Other	--	--	27	175	16	616	5	(4)	41	562	39	798
Total	32,200	(4)	27,000	1,820	194	1,960	355	2	236	778,000	59,500	663,000

-- Zero.

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

²Copper ore and concentrates only; excludes copper contained in ore and concentrates of other metals.

³Copper matte, ash, and precipitates only; excludes the copper content of mattes and ashes of other metals.

⁴Less 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			Refined		
	2019			2019			2019			2019		
	2018	December	January–December	2018	December	January–December	2018	December	January–December	2018	December	January–December
Belgium	20	49	161	2,150	503	3,290	226	7	359	--	--	129
Brazil	3,040	--	5,370	--	--	--	62	--	39	23	(4)	1
Bulgaria	2,990	--	15,900	--	--	--	--	--	--	--	--	--
Canada	17,200	1,510	14,400	19,500	1,630	14,700	4,320	44	2,600	37,300	4,150	32,100
China	47,500	--	7	1,650	6	97	210	8	200	47,600	3	13
Germany	4,810	--	--	1,130	40	597	282	20	286	2	--	1
Hong Kong	--	--	--	--	--	19	462	--	279	(4)	--	20
India	--	--	--	44	--	--	585	2	259	9	--	36
Italy	1	--	--	10	--	--	281	1	208	24	--	26
Japan	13,500	3,370	27,400	230	--	48	36	1	26	14	6	11
Korea, Republic of	4,690	2,790	15,500	817	--	74	1,680	76	1,520	2,200	496	682
Malaysia	545	--	35	413	--	--	178	20	188	62	--	1
Mexico	147,000	21,200	248,000	1,430	--	1,210	80	3	32	102,000	3,160	92,100
Philippines	1,180	--	11,900	--	--	--	42	6	56	(4)	--	2
Slovakia	--	--	--	526	60	1,070	--	--	--	--	--	--
Spain	10,500	2,080	22,700	210	39	259	101	20	61	1	--	--
Other	120	16	1,940	1,850	93	763	503	51	1,150	278	10	181
Total	253,000	31,000	363,000	30,000	2,370	22,200	9,060	261	7,270	190,000	7,830	125,000

-- Zero.

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

²Copper ore and concentrates only; excludes copper contained in ore and concentrates of other metals.

³Copper matte, ash, and precipitates only; excludes the copper content of mattes and ashes of other metals.

⁴Less 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			Alloyed		
	2018	2019		2018	2019	
		December	January– December		December	January– December
Bahamas	23	--	--	569	51	736
Canada	16,800	980	16,700	72,000	2,270	49,900
Chile	177	--	--	321	--	1,300
Colombia	367	20	251	926	87	1,050
Costa Rica	459	4	473	750	53	1,160
Dominican Republic	80	15	610	901	161	2,120
Guatemala	92	--	17	501	6	603
Honduras	5	6	63	589	67	679
Hong Kong	7	--	16	1,450	--	229
Japan	278	--	1,040	52	--	--
Mexico	10,800	762	11,500	38,600	3,300	42,100
Pakistan	567	--	151	--	--	--
Panama	1,020	116	736	640	59	483
Spain	--	--	--	637	--	--
Venezuela	2,540	--	28	646	28	554
Other	1,270	65	929	4,150	386	4,540
Total	34,500	1,970	32,600	123,000	6,470	105,000

-- Zero.

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

Source: U.S. Census Bureau.

TABLE 16
U.S. EXPORTS OF COPPER SCRAP¹

(Metric tons, gross weight)

Country or locality	Unalloyed							Alloyed					
	2018	2019						2018	2019				
		No. 1		No. 2		Other			Segregated		Unsegregated		
		December	January– December	December	January– December	December	January– December		December	January– December	December	January– December	
Belgium	19,500	522	7,870	1,340	13,100	178	2,630	11,800	158	929	695	13,400	
Canada	51,900	--	--	--	--	3,390	49,200	40,200	--	--	1,740	42,000	
China	193,000	728	25,500	562	26,900	1,090	22,400	78,600	(2)	5,310	145	7,770	
Germany	24,000	1,630	18,400	775	8,170	712	2,790	13,300	95	1,350	762	13,000	
Greece	7,630	598	5,940	94	589	447	1,660	1,150	194	564	54	409	
Hong Kong	20,700	330	7,180	28	5,420	247	7,280	23,600	297	8,870	789	21,600	
India	14,000	181	2,480	230	4,340	366	7,610	34,300	2,640	31,600	1,310	13,800	
Japan	29,300	355	5,780	647	12,900	225	3,870	26,700	190	4,970	1,230	15,300	
Korea, Republic of	45,800	3,420	26,400	1,080	7,090	1,060	13,500	25,900	946	12,000	1,100	13,000	
Malaysia	47,800	583	11,200	2,220	19,800	2,570	34,300	71,800	1,910	28,600	7,280	128,000	
Netherlands	8,030	59	812	39	453	--	3,030	2,280	--	216	39	795	
Pakistan	1,450	21	201	24	624	--	57	16,500	39	450	1,590	19,300	
Spain	760	26	391	121	495	145	619	10,100	134	3,010	174	5,500	
Taiwan	17,100	1,110	9,830	453	2,890	692	7,540	18,300	451	5,880	2,470	14,400	
Thailand	3,000	197	798	483	1,370	329	1,950	11,100	515	1,520	1,580	14,800	
Other	25,700	1,650	15,400	1,940	12,900	1,350	8,340	17,900	179	3,970	1,150	17,400	
Total	509,000	11,400	138,000	10,000	117,000	12,800	167,000	403,000	7,740	109,000	22,100	340,000	

-- Zero.

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

²Less than ½ unit.

Source: U.S. Census Bureau.