

Mineral Industry Surveys

For information, contact:

Daniel M. Flanagan, Copper Commodity Specialist National Minerals Information Center U.S. Geological Survey 989 National Center Reston, VA 20192

Telephone: (703) 648-7726, Fax: (703) 648-7757

Email: dflanagan@usgs.gov

Samir Hakim (Data) Telephone: (703) 648-7955 Fax: (703) 648-7975 Email: shakim@usgs.gov

Internet: http://minerals.usgs.gov/minerals/

COPPER IN OCTOBER 2018

In October 2018, domestic mine production of recoverable copper was 101,000 metric tons (t). The average daily mine production was 3,260 t, a slight decrease from that in September and a slight increase from that in October 2017 (fig. 1). Year-to-date recoverable mine production through October 2018 was 1.01 million metric tons (Mt), a decline of 4% relative to the same period in 2017 (table 2).

Total refinery production in the United States was 93,400 t in October 2018; data for electrolytic and electrowon output, as well as refined production from scrap, are in table 4. The average daily total refinery production was 3,010 t, an increase of 4% compared with that in September and 13% more than that in October 2017 (fig. 1). Year-to-date refinery production through October 2018 was 920,000 t, a slight decline relative to the same period in 2017 (table 4).

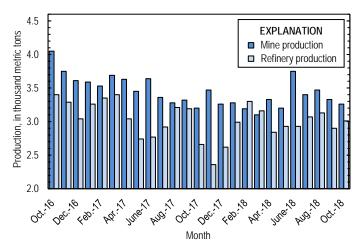


Figure 1. Average daily U.S. copper mine (recoverable) and refinery production from October 2016 through October 2018.

Smelter production in October 2018 was 48,200 t. The average daily smelter output was 1,560 t, 14% higher than that in September and an increase of 65% compared with the daily average in October 2017, when one U.S. smelter was closed temporarily. Year-to-date smelter production through October

2018 was 450,000 t, 8% greater than that through October 2017 (table 3).

Prices

The average October 2018 COMEX spot copper price was \$2.76 per pound, slightly higher than \$2.69 per pound in September and 11% lower than \$3.10 per pound in October 2017 (fig. 2, table 11). The average price of New York dealers' number 2 scrap in October 2018 was \$1.88 per pound, an increase of 5% from \$1.78 per pound in September and 9% less than \$2.05 per pound in October 2017 (fig. 2, table 12).

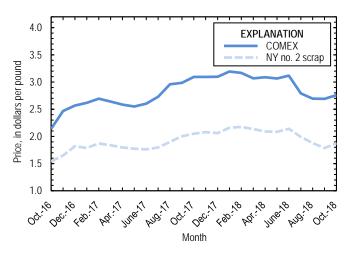


Figure 2. Monthly average COMEX copper price and New York no. 2 copper scrap price from October 2016 through October 2018. Sources: American Metal Market, Platts Metals Week.

Stocks

Refined copper stocks in the United States fell for the third consecutive month and totaled 283,000 t at the end of October 2018, a decrease of 10% from those in September and 6% more than those in October 2017. COMEX stocks fell by 9%, stocks at wire-rod mills increased by 8%, and London Metal Exchange Ltd. stocks in U.S. warehouses declined by 17% compared with those at the end of September (fig. 3, table 10).

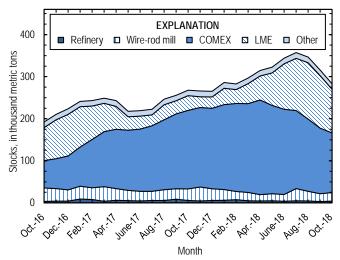


Figure 3. Monthly domestic refined copper stocks, by type, from October 2016 through October 2018. Sources: American Metal Market, London Metal Exchange Ltd., and U.S. Geological Survey.

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${\it TABLE~1}$ SALIENT STATISTICS OF THE COPPER INDUSTRY IN THE UNITED STATES 1

(Metric tons of copper content, unless otherwise specified)

				201	18	
	Source					January-
	table ²	2017 ^p	August	September	October	October
Production:						
Primary:						
Mine, recoverable	(2)	1,260,000	108,000	99,800 ^r	101,000	1,010,000
Smelter, total	(3)	470,000	46,100	40,800	48,200	450,000
Refinery:						
Electrolytic, domestic and foreign	(4)	482,000	48,400	40,200	46,100	442,000
Electrowon	(4)	557,000	45,400	43,000	43,100	443,000
Total	(4)	1,040,000	93,900	83,200	89,200	886,000
Secondary recoverable copper: ³						
Refineries	(5)	40,100	3,220	3,810	4,180	34,300
Ingot makers ⁴	(5)	57,600	4,800	4,800	4,800	48,000
Brass and wire-rod mills	(5)	645,000	54,800	54,700	56,100	543,000
Foundries, etc. ⁴	(5)	46,800	3,900	3,900	3,900	39,000
Consumption:						
Apparent	(8)	1,870,000	149,000	173,000	159,000	1,500,000
Refined (reported)	(7)	1,800,000	161,000	162,000	152,000	1,520,000
Purchased copper-base scrap (gross weight)	(9)	924,000	78,000	78,600	79,400	777,000
Stocks at end of period:						
Total refined	(10)	265,000	347,000	316,000	283,000	283,000
Blister, etc.	(10)	12,600	9,010	9,110	8,940	8,940
Price, U.S. producers cathode (cents per pound) ⁵	(11)	285.393	276.087	276.107	282.498	302.422
Imports: ⁶						
Ore and concentrates	(13)	14,000		1,510	2,380	26,800
Refined	(13)	813,000	59,700	67,300	64,700	682,000
Exports: ⁶						
Ore and concentrates	(14)	237,000	22,000	24,400	10,800	188,000
Refined	(14)	94,200	15,700	15,600	31,000	141,000

^pPreliminary. ^rRevised. -- 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 2016 annual data.

⁵Source: Platts Metals Week.

⁶Source: U.S. Census Bureau.

 $\label{eq:table 2} \textbf{MINE PRODUCTION OF RECOVERABLE COPPER IN THE UNITED STATES}^1$

	Re	ecoverable coppe	er		Contained copper	
Period	Arizona	Others ²	Total	Electrowon	Concentrates ³	Total
2017: ^p						
January-October	719,000	335,000	1,050,000	463,000	614,000	1,080,000
October	66,900	32,400	99,300	46,600	54,800	101,000
November	72,800	31,200	104,000	46,600	59,700	106,000
December	76,100	24,900	101,000	47,600	55,700	103,000
January-December	868,000	391,000	1,260,000	557,000	730,000	1,290,000
2018:						
January	68,800	32,900	102,000	46,800	56,900	104,000
February	61,500	27,700	89,200	40,500	50,700	91,300
March	68,200	27,800	96,000	44,300	53,700	98,000
April	65,400	34,600	100,000	43,200	58,800	102,000
May	69,300	29,800	99,100	46,000	55,200	101,000
June	70,600	41,900	113,000	44,900	70,100	115,000
July	66,800	38,500	105,000	46,000	61,400	107,000
August	69,100	38,600	108,000	45,400	64,600	110,000
September	63,000	36,800 ^r	99,800 ^r	43,000	59,100 ^r	102,000 ^r
October	64,300	36,900	101,000	43,100	60,400	103,000
January-October	667,000	345,000	1,010,000	443,000	591,000	1,030,000

^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)

	Anode
Period	production
2017: ^p	
January-October	418,000
October	29,300
November	14,500
December	37,800
January-December	470,000
2018:	
January	53,900
February	42,200
March	41,500
April	44,800
May	39,000
June	45,700
July	47,500
August	46,100
September	40,800
October	48,200
January-October	450,000

^pPreliminary.

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 RECOVERY $^{\!1}$

	Pri	mary materials			
	Electrolytically				Total
Period	refined ²	Electrowon	Total	Scrap	refined
2017: ^p					
January-October	430,000	463,000	894,000	33,600	927,000
October	32,500	46,600	79,100	3,280	82,400
November	21,100	46,600	67,700	3,240	70,900
December	30,400	47,600	77,900	3,250	81,200
January-December	482,000	557,000	1,040,000	40,100	1,080,000
2018:					
January	42,800	46,800	89,600	3,220	92,800
February	48,500	40,500	89,000	3,260	92,300
March	50,400	44,300	94,800	3,220	98,000
April	38,700	43,200	81,900	3,260	85,200
May	41,600	46,000	87,500	3,330	90,900
June	39,800	44,900	84,600	3,400	88,000
July	45,900	46,000	91,900	3,390	95,300
August	48,400	45,400	93,900	3,220	97,100
September	40,200	43,000	83,200	3,810	87,000
October	46,100	43,100	89,200	4,180	93,400
January-October	442,000	443,000	886,000	34,300	920,000

^pPreliminary.

¹Data are rounded to no more than three significant digits; may not add to totals shown. ²From domestic and foreign source materials.

 ${\it TABLE~5}$ COPPER RECOVERABLE IN UNALLOYED AND ALLOYED FORM FROM PURCHASED COPPER-BASE SCRAP 1

(Metric tons, copper content)

	Refin	eries ²	Ingot n	nakers ³	Brass and w	ire-rod mills	Foundri	es, etc.3	
Period	New scrap ^e	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	Total ⁴
2017: ^p	•								
January-October	16,800	16,800	8,000	40,000	510,000	31,300	30,600	8,450	662,000
October	1,680	1,600	800	4,000	52,200	3,350	3,060	845	67,600
November	1,680	1,560	800	4,000	49,900	3,110	3,060	845	65,000
December	1,680	1,570	800	4,000	48,000	2,500	3,060	845	62,400
January-December	20,100	20,000	9,600	48,000	608,000	36,900	36,700	10,100	790,000
2018:	= -								
January	1,680	1,540	800	4,000	51,100	3,300	3,060	845	66,300
February	1,680	1,580	800	4,000	50,000	2,940	3,060	845	64,900
March	1,680	1,540	800	4,000	46,800	3,350	3,060	845	62,100
April	1,680	1,580	800	4,000	50,800	3,270	3,060	845	66,100
May	1,680	1,650	800	4,000	53,000	3,180	3,060	845	68,200
June	1,680	1,720	800	4,000	52,400	2,960	3,060	845	67,500
July	1,680	1,710	800	4,000	51,600	3,060	3,060	845	66,800
August	1,680	1,540	800	4,000	51,600	3,220	3,060	845	66,700
September	1,680	2,130	800	4,000	51,900	2,850	3,060	845	67,300
October	1,680	2,500	800	4,000	52,700	3,490	3,060	845	69,000
January-October	16,800	17,500	8,000	40,000	512,000	31,600	30,600	8,450	665,000

^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 2016 annual data.

⁴Does not include an estimate, based on reported 2016 annual data, of 3,120 tons per month from new scrap and 2,490 tons per month from old scrap of copper recovered from scrap other than copper-base.

 ${\it TABLE~6}$ PRODUCTION, SHIPMENTS, AND STOCKS OF BRASS AND WIRE-ROD SEMIFABRICATES 1

	Pro	duction	Shi	pments	Stocks, e	end of period
Period	Brass mills	Wire-rod mills	Brass mills	Wire-rod mills	Brass mills	Wire-rod mills
2017: ^p						
January-October	737,000	1,120,000	736,000	1,120,000	29,700	26,700
October	74,100	117,000	74,100	118,000	29,700	26,700
November	72,500	106,000	72,800	108,000	29,300	24,100
December	72,100	92,500	72,000	89,800	29,500	26,800
January-December	882,000	1,320,000	881,000	1,320,000	29,500	26,800
2018:						
January	73,600	114,000	73,500	114,000	29,500	26,700
February	72,700	107,000	73,400	107,000	28,800	26,400
March	74,300	115,000	74,000	117,000	29,200	24,200
April	73,600	103,000	73,600	111,000	29,200	16,400
May	73,600	115,000	74,000	113,000	28,800	18,400
June	73,900	118,000	73,800	114,000	28,900	22,200
July	73,400	99,300	73,700	102,000	28,700	19,600
August	73,800	124,000	74,200	120,000	28,300	23,900
September	73,500	110,000	73,300	111,000	28,400	23,000
October	74,300	114,000	73,900	120,000	28,800	16,900
January-October	737,000	1,120,000	737,000	1,130,000	28,800	16,900

Preliminary.

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

TABLE 7 CONSUMPTION OF REFINED COPPER 1

	Brass	Wire-rod	Other	
Period	mills	mills	plants ²	Total
2017: ^p	IIIIII	IIIII	piants	Total
January–October	350,000	1,120,000	50,700	1,520,000
October	35,400	118,000	5,070	159,000
November	34,700	106,000	5,070	145,000
December	34,900	91,800	5,070	132,000
January-December	420,000	1,320,000	60,800	1,800,000
2018:				
January	34,600	114,000	5,070	154,000
February	35,100	107,000	5,070	147,000
March	34,900	115,000	5,070	155,000
April	35,100	105,000	5,070	145,000
May	34,900	115,000	5,070	155,000
June	34,900	106,000	5,070	146,000
July	34,800	104,000	5,070	144,000
August	35,100	121,000	5,070	161,000
September	35,100	122,000	5,070	162,000
October	34,900	112,000	5,070	152,000
January-October	349,000	1,120,000	50,700	1,520,000

^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 2016 annual data.

$\label{eq:table 8} \textbf{U.S. APPARENT CONSUMPTION OF COPPER}^1$

	Refined copper	Copper in	Refined general	Refined	Stock change	Apparent
Period	production ²	old scrap ³	imports ⁴	exports ⁴	during period	consumption
2017: ^p						
January-October	894,000	121,000	695,000	85,000	44,500	1,580,000
October	79,100	12,300	70,600	5,210	12,300	144,000
November	67,700	12,000	66,500	4,400	-1,620	143,000
December	77,900	11,400	58,900	4,810	-728	144,000
January-December	1,040,000	145,000	820,000	94,200	42,100	1,860,000
2018:						
January	89,600	12,200	81,100	9,550	20,300	153,000
February	89,000	11,900	77,500	7,270	-2,750	174,000
March	94,800	12,200	75,200	12,100	14,000	156,000
April	81,900	12,200	62,400	13,700	17,700	125,000
May	87,500	12,200	64,600	13,800	8,150	142,000
June	84,600	12,000	66,200	11,200	21,000	131,000
July	91,900	12,100	59,500	11,300	13,500	139,000
August	93,900	12,100	48,300	15,700	-10,200	149,000
September	83,200	12,300	62,300	15,600	-30,900	173,000
October	89,200	13,300	54,400	31,000	-32,900	159,000
January-October	886,000	122,000	651,000	141,000	17,800	1,500,000

^pPreliminary.

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 2016 annual data.

⁴Source: U.S. Census Bureau.

TABLE 9 CONSUMPTION OF PURCHASED COPPER-BASE SCRAP^1

	Smel	ters			Brass	s and			
	and ref	ineries	Ingot m	nakers ²	wire-roo	d mills ³	Foundri	es, etc. ²	Total scrap
Period	New scrap ^e	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	used
2017: ^p	-	_						_	
January-October	17,300	16,100	20,600	51,300	590,000	32,300	36,600	9,560	774,000
October	1,730	1,650	2,060	5,130	60,200	3,460	3,660	956	78,900
November	1,730	1,610	2,060	5,130	57,900	3,180	3,660	956	76,200
December	1,730	1,620	2,060	5,130	55,900	2,560	3,660	956	73,600
January-December	20,800	19,300	24,700	61,600	704,000	38,000	43,900	11,500	924,000
2018:									
January	1,730	1,590	2,060	5,130	59,000	3,380	3,660	956	77,500
February	1,730	1,630	2,060	5,130	57,900	3,010	3,660	956	76,100
March	1,730	1,590	2,060	5,130	54,700	3,450	3,660	956	73,300
April	1,730	1,630	2,060	5,130	58,800	3,380	3,660	956	77,400
May	1,730	1,700	2,060	5,130	61,000	3,270	3,660	956	79,500
June	1,730	1,770	2,060	5,130	60,400	3,030	3,660	956	78,700
July	1,730	1,770	2,060	5,130	59,600	3,110	3,660	956	78,100
August	1,730	1,590	2,060	5,130	59,600	3,320	3,660	956	78,000
September	1,730	2,200	2,060	5,130	59,900	2,970	3,660	956	78,600
October	1,730	1,590	2,060	5,130	60,700	3,580	3,660	956	79,400
January-October	17,300	17,000	20,600	51,300	592,000	32,500	36,600	9,560	777,000

^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 2016 annual data.

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

TABLE 10 COPPER STOCKS AT END OF PERIOD¹

]	Refined copper			
	Crude		Wire-rod					Total
Period	copper ²	Refineries ³	$mills^3$	Brass mills ³	Other ⁴	Comex	LME ⁵	refined
2017: ^p								
October	13,600	5,620	27,400	7,650	5,470	187,000	34,800	268,000
November	16,700	4,700	32,900	8,190	5,470	189,000	25,600	266,000
December	12,600	5,840	27,800	7,870	5,470	191,000	27,100	265,000
2018:								
January	15,000	6,190	25,500	8,040	5,470	202,000	38,800	286,000
February	14,600	7,690	19,400	7,880	5,470	209,000	33,200	283,000
March	9,010	4,790	19,900	8,000	5,470	211,000	47,600	297,000
April	9,880	4,500	15,000	7,870	5,470	225,000	57,000	315,000
May	8,130	4,960	16,800	8,190	5,470	210,000	77,200	323,000
June	14,300	3,590	16,100	7,980	5,470	203,000	108,000	344,000
July	9,670	4,980	28,700	8,180	5,470	186,000	124,000	357,000
August	9,010	4,600	22,600	7,890	5,470	172,000	134,000	347,000
September	9,110	3,120	18,500	7,710	5,470	156,000	125,000	316,000
October	8,940	4,290	19,900	7,460	5,470	142,000	104,000	283,000

Preliminary.

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 2016 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)

		Comex	LME
	U.S. producers	first	cash price
Period	cathode1	position ²	Grade A
2017:			
October	314.747	309.559	308.299
November	314.717	309.417	309.581
December	314.825	309.825	308.471
Year	285.393	280.425	279.518
2018:			
January	324.640	319.390	321.137
February	322.495	316.745	317.574
March	312.083	306.683	308.227
April	314.129	308.754	310.169
May	312.402	306.402	309.409
June	318.152	311.714	315.436
July	285.626	279.126	283.387
August	276.087	269.387	273.936
September	276.107	269.232	273.044
October	282.498	275.935	281.918
January-October	302.422	296.337	299.424

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)

			Dealers	(New York)
				Red brass
	Brass mills	Refiners	No. 2	turnings and
Period	No. 1 scrap	No. 2 scrap	scrap	borings
2017:				
October	297.34	270.18	204.95	156.18
November	295.42	267.25	208.00	157.50
December	298.58	271.05	206.00	157.00
Year	271.69	245.68	189.25	149.55
2018:				
January	308.14	279.00	215.79	160.81
February	304.63	275.68	217.50	161.00
March	295.18	268.32	213.50	160.00
April	299.33	274.36	209.02	158.00
May	297.50	271.68	208.59	158.55
June	301.67	274.14	214.17	160.57
July	269.95	239.48	198.93	151.29
August	261.00	229.07	187.80	145.43
September	261.16	228.50	178.45	141.47
October	267.65	239.80	187.50	141.00
January-October	286.62	258.00	203.13	153.81

Source: American Metal Market.

TABLE 13 U.S. IMPORTS FOR CONSUMPTION OF COPPER (UNMANUFACTURED), BY CLASS 1

(Metric tons, copper content)

	Ore and concentrates ²			Matte, ash, and precipitates ³			Blister and anodes			Refined		
Country or		2018		·	2018			2018		-	2018	
			January-			January-			January-			January-
locality	2017	October	October	2017	October	October	2017	October	October	2017	October	October
Belgium				69	88	252				(4)	(4)	10,100
Bolivia										1,560	616	1,460
Brazil										3,580		297
Canada	6		40	284	114	499			(4)	209,000	13,300	148,000
Chile										486,000	41,400	433,000
China			8	33		2				50	34	101
Congo (Kinshasa)										9,190		3,380
Finland							359	49	275	4		
Germany				7			(4)	(4)	(4)	2,310	241	963
India										224		(4)
Japan				76	6	10	2	(4)	2	4,630	413	3,340
Malaysia							126		54			
Mexico	14,000	2,380	26,700	588	(4)	434				75,200	3,750	52,600
Netherlands				166		109	3	(4)	2	3		(4)
Peru										18,000	2,000	11,100
South Africa										1,510		963
Other	9			397	24	109	14	(4)	4	1,230	2,960	17,300
Total	14,000	2,380	26,800	1,620	232	1,420	504	49	337	813,000	64,700	682,000

⁻⁻ 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.

 ${\bf TABLE~14} \\ {\bf U.S.~EXPORTS~OF~COPPER~(UNMANUFACTURED),~BY~CLASS}^1$

(Metric tons, copper content)

	Ore and concentrates ²			Matte, ash, and precipitates ³			Blister and anodes			Refined		
		2018 January–			2018 January–			2018 January–			2018	
Country or												January-
locality	2017	October	October	2017	October	October	2017	October	October	2017	October	October
Belgium				4,860	238	1,810	447	36	193	(4)		
Canada	23,500	1,480	15,100	17,300	1,520	16,100	3,290	675	3,830	18,300	2,420	29,700
China	70,800	3,590	47,500	392	18	1,580	249	20	178	10,100	18,800	22,600
Germany				576	113	1,000	215		198	14		2
Hong Kong							1,110	79	458	1		(4)
India	1			(4)	18	44	730	36	512	15	1	9
Italy			1	73		10	325	23	239	14		21
Japan	1,540		48	189		115	80		36	16		14
Korea, Republic of	99		4,690	397	35	687	1,780	94	1,370	2,460		2,050
Mexico	141,000	5,730	109,000	99	303	1,430	102	3	77	62,600	9,760	86,500
Singapore						6	40	(4)	30	5		2
Spain			8,150	124		210	121		81	1	(4)	1
Switzerland							31		17	5		4
Taiwan				146		15	122		40	19		12
Vietnam										503		1
Other	137	17	3,610	1,090	480	1,710	1,040	48	568	142	8	332
Total	237,000	10,800	188,000	25,200	2,730	24,700	9,690	1,020	7,820	94,200	31,000	141,000

⁻⁻ 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.

 $\label{eq:table 15} \text{U.S. IMPORTS FOR CONSUMPTION OF COPPER SCRAP}^1$

		Unalloyed	Alloyed					
		201	8		2018			
Country or			January-			January-		
locality	2017	October	October	2017	October	October		
Canada	18,900	1,410	13,900	81,900	7,290	61,200		
Chile	57		177	301	20	248		
Colombia	598		327	1,360	10	792		
Costa Rica	636	7	365	1,060	57	651		
Guatemala	36	5	89	446	65	438		
Honduras	61		3	352	50	403		
Mexico	10,400	875	9,060	35,300	3,530	32,000		
Nicaragua	38		19	321		225		
Pakistan	694		567					
Panama	1,440	71	979	790	53	564		
Venezuela	958	174	2,540	1,870	14	591		
Other	1,720	192	1,330	6,190	1,200	6,520		
Total	35,500	2,740	29,300	130,000	12,300	104,000		

⁻⁻ Zero.

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

TABLE 16
U.S. EXPORTS OF COPPER SCRAP¹

				Unalloyed	Alloyed							
		2018							2018			
		No. 1		No. 2		Other			Segregated		Unsegregated	
Country or			January-		January-		January-			January-		January-
locality	2017	October	October	October	October	October	October	2017	October	October	October	October
Belgium	7,870	597	5,090	1,310	7,240	309	2,830	8,560	256	766	1,620	8,280
Canada	43,800					4,880	45,000	49,700			4,880	32,300
China	352,000	734	62,500	1,540	62,700	1,640	62,000	336,000	782	34,800	700	41,600
Germany	19,700	2,020	13,900	601	3,770	115	1,240	10,900		2,180	1,100	9,000
Hong Kong	5,580	528	4,510	389	2,050	1,950	9,810	30,800	579	5,900	1,310	14,000
India	4,810	991	6,770	612	3,210	171	1,930	20,100	3,640	18,200	1,520	7,410
Japan	11,800	795	3,640	2,650	13,700	552	3,590	9,300	1,160	3,000	2,120	16,900
Korea, Republic of	17,200	3,470	20,200	1,150	5,640	1,510	8,050	14,100	1,680	8,120	2,010	10,300
Mexico	3,500	402	3,400		5	(2)	80	507	1	48	106	771
Netherlands	7,260	299	3,390	20	294	433	3,410	1,120		119	57	1,620
Pakistan	3,790	231	996	33	422	5	8	5,780	77	242	2,960	10,500
Spain	1,220	55	332		153		79	6,280	98	1,880	680	6,140
Taiwan	5,750	940	5,980	819	3,620	344	3,770	2,900	873	3,790	1,870	10,700
Thailand	204		1,140	20	439		1,480	472		542	119	9,890
Other	9,690	3,990	18,900	1,640	12,700	3,420	25,000	13,600	3,840	20,300	8,450	43,200
Total	494,000	15,100	151,000	10,800	116,000	15,300	168,000	510,000	13,000	99,800	29,500	223,000
												-

⁻⁻ Zero

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

²Less than ½ unit.