TIN STATISTICS[1]
U.S. GEOLOGICAL SURVEY
[All values in metric tons (t) tin content unless otherwise noted]
Last modification: April 1, 2014

Year	Primary production	Secondary production	Imports	Exports	Government shipments	Government stocks	Industry stocks	Apparent consumption	Unit value ($/t)	Unit value (98$/t)	World production
1900	NA	NA	31,700	NA	NA	NA	NA	31,700	659	12,900	NA
1901	NA	NA	33,800	NA	NA	NA	NA	33,800	368	7,220	NA
1902	NA	NA	38,600	NA	NA	NA	15,000	38,600	591	11,200	NA
1903	NA	NA	37,700	NA	NA	NA	18,400	34,300	619	11,300	NA
1904	NA	NA	37,600	NA	NA	NA	15,000	41,000	617	11,200	NA
1905	NA	NA	40,100	NA	NA	NA	NA	40,100	692	12,600	93,600
1906	NA	NA	45,800	NA	NA	NA	NA	45,800	877	15,900	98,400
1907	NA	NA	37,400	NA	NA	NA	NA	37,400	842	14,800	93,800
1908	NA	NA	37,400	NA	NA	NA	NA	37,400	650	11,800	106,000
1909	NA	NA	43,200	NA	NA	NA	NA	43,200	655	11,900	106,000
1910	NA	NA	47,700	NA	NA	NA	NA	47,700	752	13,200	105,000
1911	NA	NA	48,600	NA	NA	NA	NA	48,600	933	16,400	112,000
1912	NA	NA	52,600	NA	NA	NA	NA	52,600	1,020	17,200	122,000
1913	NA	NA	47,500	NA	NA	NA	NA	47,500	977	16,100	136,000
1914	NA	NA	43,100	NA	NA	NA	NA	43,100	756	12,300	128,000
1915	NA	NA	52,400	346	NA	NA	NA	52,100	851	13,700	129,000
1916	2,050	NA	62,600	456	NA	NA	NA	64,200	959	14,300	128,000
1917	5,500	NA	65,500	267	NA	NA	NA	70,700	1,360	17,400	135,000
1918	9,330	NA	64,600	258	NA	NA	NA	73,700	1,960	21,100	128,000
1919	11,100	NA	40,700	346	NA	NA	NA	51,500	1,400	13,200	123,000
1920	16,000	NA	57,000	942	NA	NA	NA	72,100	1,070	8,660	126,000
1921	10,500	NA	24,600	1,420	NA	NA	NA	33,700	659	5,990	110,000
1922	8,260	NA	61,200	1,120	NA	NA	NA	68,300	719	6,980	127,000
1923	6,770	NA	70,000	1,060	NA	NA	NA	75,700	941	8,960	130,000
1924	441	NA	66,100	974	NA	NA	NA	65,600	1,110	10,500	142,000
1925	NA	NA	77,900	947	NA	NA	NA	77,000	1,280	11,900	147,000
1926	NA	NA	78,400	2,010	NA	NA	NA	76,400	1,440	13,200	146,000
1927	NA	NA	72,300	2,270	NA	NA	NA	70,000	1,420	13,300	161,000
1928	NA	NA	79,200	1,640	NA	NA	NA	77,600	1,110	10,600	180,000
1929	NA	NA	88,500	1,960	NA	NA	NA	86,500	996	9,490	196,000
1930	NA	NA	82,000	2,270	NA	NA	NA	79,700	699	6,850	179,000
1931	NA	NA	67,100	1,690	NA	NA	NA	65,400	540	5,790	149,000
1932	NA	NA	35,400	1,130	NA	NA	NA	34,300	485	5,770	96,500
1933	NA	NA	64,700	1,060	NA	NA	NA	63,600	862	10,800	90,400
1934	NA	NA	40,600	1,240	NA	NA	16,800	39,400	1,150	14,000	122,000
1935	NA	NA	65,300	2,330	NA	NA	18,000	61,800	1,110	13,200	137,000
1936	NA	NA	77,200	392	NA	NA	26,600	68,200	1,020	12,000	182,000
1937	NA	NA	89,500	318	NA	NA	32,300	83,500	1,200	13,600	213,000
1938	NA	NA	50,500	208	NA	NA	27,600	55,000	933	10,800	166,000
1939	NA	15,300	71,200	2,140	NA	NA	37,700	74,300	1,110	13,000	180,000
1940	1,410	18,600	127,000	2,710	NA	21,800	79,600	102,000	1,100	12,800	240,000
1941	1,870	26,900	79,300	1,770	NA	50,800	76,600	80,300	1,150	12,700	244,000

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Year	Primary production	Secondary production	Imports	Exports	Government shipments	Government stocks	Industry stocks	Apparent consumption	Unit value ($/t)	Unit value (98$/t)	World production
1942	16,400	21,600	27,200	416	NA	NA	45,000	96,400	1,150	11,500	124,000
1943	21,800	22,800	12,100	1,800	-14,100	NA	25,300	60,500	1,150	10,800	146,000
1944	31,400	19,400	13,600	857	-16,000	40,500	21,500	51,300	1,150	10,600	102,000
1945	41,100	21,800	8,630	896	0	12,300	16,000	104,000	1,150	10,400	88,400
1946	22,500	15,900	15,800	895	0	22,600	29,900	29,100	1,200	10,000	89,400
1947	33,800	17,200	25,300	427	0	12,300	33,700	82,400	1,720	12,500	115,000
1948	37,300	18,200	50,000	93	0	36,800	27,600	87,000	2,190	14,800	156,000
1949	36,400	15,000	61,200	156	0	22,800	34,000	120,000	2,190	15,000	164,000
1950	33,600	21,900	84,200	812	0	18,900	37,700	139,000	2,110	14,200	172,000
1951	32,100	20,800	28,700	1,540	0	6,860	23,100	107,000	2,800	17,500	172,000
1952	23,200	20,800	81,800	386	0	13,500	29,900	112,000	2,660	16,300	177,000
1953	38,200	19,400	75,900	206	0	18,800	28,200	130,000	2,110	12,900	193,000
1954	27,800	17,300	57,500	835	0	1,370	31,600	116,000	2,020	12,300	192,000
1955	22,700	19,800	65,900	1,120	0	2,320	35,900	102,000	2,090	12,700	200,000
1956	17,900	17,900	63,600	904	0	1,030	37,000	98,700	2,240	13,400	203,000
1957	1,590	14,600	57,100	1,560	0	0	36,300	72,400	2,120	12,300	204,000
1958	W	13,800	41,800	1,360	0	0	35,200	55,300	2,100	11,800	156,000
1959	W	13,700	44,300	1,390	0	0	41,900	49,900	2,250	12,600	164,000
1960	W	12,500	40,200	871	0	0	40,800	52,900	2,240	12,300	183,000
1961	W	12,000	40,500	813	0	NA	43,200	49,300	2,500	13,700	187,000
1962	W	11,900	42,100	442	1,420	NA	37,900	60,300	2,530	13,700	190,000
1963	W	12,900	44,000	1,650	9,470	NA	46,700	55,900	2,570	13,700	194,000
1964	W	14,000	32,600	4,110	31,700	NA	38,100	82,800	3,480	18,300	197,000
1965	3,150	15,200	41,500	2,870	11,700	NA	41,900	64,900	3,930	20,400	204,000
1966	3,890	15,600	42,300	2,890	15,200	NA	38,600	77,400	3,620	18,200	211,000
1967	3,100	13,700	51,000	3,310	6,190	NA	36,900	72,400	3,380	16,500	218,000
1968	3,510	13,600	58,300	2,480	2,910	NA	36,500	76,200	3,270	15,300	232,000
1969	351	13,900	55,800	2,950	1,680	NA	31,100	74,200	3,620	16,100	229,000
1970	NA	12,100	51,400	4,520	3,520	NA	26,700	66,900	3,840	16,100	232,000
1971	4,060	11,500	47,700	2,300	1,760	NA	25,200	64,200	3,690	14,800	235,000
1972	4,270	11,400	53,300	1,150	237	NA	25,800	67,500	3,910	15,300	244,000
1973	4,880	11,900	46,600	3,460	12,900	NA	24,400	74,200	5,020	18,400	238,000
1974	6,100	11,700	40,200	8,550	30,700	NA	21,700	82,900	8,740	28,900	233,000
1975	6,500	9,130	44,400	3,600	813	NA	21,600	57,300	7,490	22,700	222,000
1976	5,730	10,100	45,100	2,340	3,640	NA	17,900	65,900	8,370	24,000	218,000
1977	6,720	11,300	47,800	5,480	2,680	NA	21,300	59,600	11,800	31,700	231,000
1978	5,900	13,500	46,800	4,630	345	NA	17,200	66,000	13,900	34,700	241,000
1979	4,600	13,400	48,400	569	0	NA	16,600	66,400	16,200	36,400	245,000
1980	3,000	11,700	46,000	595	25	NA	12,100	64,600	18,700	36,900	245,000
1981	2,000	10,400	45,900	2,360	5,920	NA	11,100	62,900	16,200	29,000	238,000
1982	3,500	10,400	27,900	5,770	4,170	NA	10,300	41,000	14,400	24,400	219,000
1983	2,500	10,800	34,000	1,340	2,870	NA	9,860	49,300	14,400	23,600	197,000

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1984	4,000	11,100	41,200	1,430	2,400	NA	9,680	57,500	13,800	21,600	188,000
1985	4,300	10,000	33,800	1,490	3,010	NA	12,400	46,900	13,100	19,900	181,000
1986	4,350	10,200	35,800	1,550	5,490	NA	13,900	52,800	8,450	12,600	173,000
1987	5,280	11,500	41,200	1,320	4,080	NA	14,500	60,100	9,230	13,200	180,000
1988	2,050	11,300	43,500	1,210	2,390	NA	15,000	57,500	9,730	13,400	205,000
1989	1,570	11,000	34,000	904	2,780	NA	14,700	48,800	11,500	15,100	233,000
1990	0	13,200	33,800	658	2,150	NA	17,300	45,900	8,520	10,600	221,000
1991	0	8,800	29,100	970	6,200	NA	13,800	46,600	8,000	9,600	201,000
1992	0	8,900	27,300	1,890	6,310	NA	10,700	43,700	8,870	10,300	191,000
1993	W	6,900	33,700	2,600	6,020	NA	10,800	43,900	7,710	8,700	190,000
1994	0	7,400	32,400	2,560	5,620	NA	10,400	43,300	8,140	8,950	178,000
1995	0	7,720	33,200	2,790	11,500	NA	11,700	48,300	9,160	9,800	201,000
1996	0	7,710	30,200	3,670	11,800	NA	10,900	46,800	9,090	9,450	220,000
1997	0	7,830	40,600	4,660	11,700	NA	11,200	55,200	8,410	8,540	241,000
1998	0	7,790	44,000	5,020	12,200	NA	10,500	59,700	8,230	8,230	231,000
1999	0	7,720	47,500	6,770	765	NA	10,700	49,000	8,070	7,900	245,000
2000	0	6,560	44,900	6,640	12,000	59,700	10,400	57,200	8,160	7,730	278,000
2001	0	6,700	37,500	4,350	12,000	54,300	9,620	52,600	6,940	6,390	246,000
2002	0	6,760	42,200	2,940	8,960	45,400	8,900	52,500	6,440	5,830	233,000
2003	0	5,500	37,100	3,690	8,880	35,600	7,960	48,700	7,490	6,640	258,000
2004	0	5,240	47,600	3,650	10,600	25,100	8,980	58,800	12,100	10,400	298,000
2005	0	11,800	37,500	4,330	8,370	16,700	8,270	54,700	10,600	8,850	296,000
2006	0	11,600	43,300	5,490	8,410	8,200	7,890	57,100	12,500	10,100	293,000
2007	0	12,200	34,600	6,410	4,540	3,850	9,100	43,700	19,800	15,600	301,000
2008	0	11,700	36,300	9,800	60	4,020	8,560	38,800	24,900	18,900	258,000
2009	0	11,100	33,000	3,170	0	4,020	7,070	42,400	18,500	14,100	237,000
2010	0	11,100	35,300	5,630	0	4,020	6,410	41,400	27,300	20,400	253,000
2011	0	11,000	34,200	5,450	0	4,020	5,880	40,300	34,700	25,100	255,000
2012	0	11,200	36,900	5,560	0	4,020	6,140	42,300	28,300	20,100	240,000

NA Not available. W Withheld to avoid disclosing company proprietary data.

[1]Compiled by C.A. DiFrancesco, J.F. Carlin, Jr., and A.C. Tolcin.

Data are calculated, estimated, or reported. See notes for more information.

Tin Worksheet Notes

Data Sources
The sources of data for the tin worksheet were the mineral statistics publications of the U.S. Bureau of Mines and the U.S. Geological Survey—Minerals Yearbook (MYB) and its predecessor, Mineral Resources of the United States (MR); Mineral Commodity Summaries (MCS) and its predecessor, Commodity Data Summaries (CDS); and Metal Prices in the United States through 1998 (MP98). The years of publication and corresponding years of data coverage are listed in the References section below.

Primary Production
Primary U.S. tin production data report the amount of refined tin. Data were from the MR for 1916–23 and from the MYB for 1924 and 1940–57 and the MCS and CDS for 1965–89. No primary production has been reported since 1990. Data were withheld for 1958–64 and 1993 in order to avoid disclosing proprietary data. Data were not available for 1900–15 and 1925–39.

Secondary Production
Secondary production includes old scrap (scrap including—but not limited to—metal articles that have been discarded after serving a useful purpose). Data for 1939–2002 were from the MYB. Data for 2003 to the most recent year are from the MCS. Data were not available for 1900–38.

Imports
Import data report the amounts of refined tin imported into the United States in various shapes and forms. Import data exclude all manufactured tin products. Data were from the MYB and MR for 1900–54 and the MCS and CDS for 1955 to the most recent year.

Exports
Export data report the amounts of refined tin exported from the United States in various shapes and forms. Export data exclude all manufactured tin products. Data were from the MYB and MR for 1915–54 and the MCS and CDS for 1955 to the most recent year. Data were not available for 1900–14.

Government Shipments
Government shipment data were for shipments from the government stockpile. Negative numbers for government shipments indicate U.S. Government purchases for refined tin. Data were from the MYB for 1943–54 and the MCS and CDS for 1955–99. Data for 2000–04 are unpublished revisions made by the USGS tin commodity specialist. Data were not available for 1900–42. Data for 2005 to the most recent year are from the MCS.

Government Stocks
Data is for the Reconstruction Finance Corporation—Federal Facilities Corporation (U.S. Government) nonstockpile stocks. Data were from the MYB. Data were not available for 1900–39, 1942–43, and 1961–99. Data from 2000 to the most recent year are from the MCS.

Industry Stocks
Stocks include virgin, secondary old scrap, and shipments of tin. Data were from the MR for 1902–04, the MYB for 1934–54, and the MCS and CDS for 1955 to the most recent year. Data were not available for 1900–01 and 1905–33.

Apparent Consumption
Apparent consumption was estimated for 1900–99 by using the formula:

APPARENT CONSUMPTION = PRODUCTION + IMPORTS – EXPORTS ± GOVERNMENT SHIPMENTS ± STOCK CHANGES.

Data for 2000–04 are unpublished revisions made by the USGS tin commodity specialist. Data for 2005 to the most recent year are from the MCS.

Unit Value ($/t)
Unit value is the value in dollars of 1 metric ton (t) of apparent consumption. Unit value ($/t) was estimated in actual dollars for 1900–98 from a price series for domestic refined tin from MP98, and from the MYB for 1999–2003. Unit values for 2004 to the most recent year are based on the Platts Metals Week composite price reported in the MCS.

Unit Value (98$/t)
The Consumer Price Index conversion factor, with 1998 as the base year, is used to adjust unit value in current U.S. dollars to the unit value in constant 1998 U.S. dollars

World Production
World production data were for tin content of mine and mill production. Data were from the MYB and MR. Data were not available for 1900–04.

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Recommended Citation Format:
U.S. Geological Survey, 2014, Tin statistics, *in* Kelly, T.D., and Matos, G.R., comps., Historical statistics for mineral and material commodities in the United States: U.S. Geological Survey Data Series 140, accessed [date], at http://minerals.usgs.gov/minerals/pubs/historical-statistics/.

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