

TITANIUM SPONGE STATISTICS¹

U.S. GEOLOGICAL SURVEY

[All values are in metric tons (t) titanium content unless otherwise noted]

Last modification: November 15, 2012

Year	Production	Imports	Exports	Industry stocks	Government stocks	Government shipments	Apparent consumption	Unit value (\$/t)	Unit value (98\$/t)
1941	NA	NA	NA	NA	NA	NA	NA	11,600	129,000
1942	NA	NA	NA	NA	NA	NA	NA	11,600	116,000
1943	NA	NA	NA	NA	NA	NA	NA	11,600	109,000
1944	NA	NA	NA	NA	NA	NA	NA	11,600	107,000
1945	NA	NA	NA	NA	NA	NA	NA	11,600	105,000
1946	NA	NA	NA	NA	NA	NA	NA	11,600	97,000
1947	NA	NA	NA	NA	NA	NA	NA	14,300	105,000
1948	9	NA	NA	NA	NA	NA	9	12,100	81,800
1949	23	NA	NA	NA	NA	NA	23	11,000	75,300
1950	68	NA	NA	NA	NA	NA	68	11,000	74,400
1951	449	NA	NA	NA	NA	NA	450	11,000	69,000
1952	975	NA	NA	NA	275	NA	980	11,000	67,700
1953	2,030	NA	NA	NA	27	NA	2,000	11,000	67,200
1954	4,870	175	NA	NA	2,630	NA	2,270	9,920	60,100
1955	6,710	514	NA	775	6,030	NA	3,610	7,610	46,300
1956	13,200	1,860	NA	2,720	8,450	NA	9,920	6,060	36,300
1957	15,600	3,200	NA	2,540	18,000	NA	7,460	4,960	28,800
1958	4,160	1,880	NA	907	20,400	NA	3,760	4,010	22,600
1959	3,540	1,420	NA	998	20,400	NA	3,590	3,530	19,800
1960	4,820	2,020	NA	907	20,400	NA	4,980	3,530	19,400
1961	6,100	2,260	NA	1,090	20,400	NA	6,340	3,530	19,200
1962	6,110	839	NA	1,180	20,400	NA	6,470	3,530	19,100
1963	7,150	1,330	NA	998	20,300	NA	8,040	3,530	18,800
1964	W	1,850	NA	726	28,400	NA	10,100	2,910	15,300
1965	W	2,840	NA	816	28,400	NA	11,000	2,910	15,100
1966	W	4,740	NA	726	27,700	NA	17,900	2,910	14,600
1967	W	6,510	NA	2,630	27,700	NA	18,200	2,910	14,200
1968	W	3,040	NA	2,360	27,700	NA	12,900	2,910	13,600
1969	W	5,210	NA	1,730	27,900	NA	18,300	2,910	12,900
1970	W	5,380	NA	2,280	31,800	NA	14,900	2,910	12,200
1971	9,050	2,540	NA	2,470	31,800	NA	11,000	2,910	11,700
1972	9,150	3,460	NA	1,650	31,800	NA	11,900	2,910	11,300
1973	13,700	4,690	NA	1,760	29,500	NA	18,300	3,130	11,500
1974	16,100	6,320	NA	3,470	28,200	NA	24,400	4,960	16,400
1975	15,300	3,800	NA	5,140	28,800	NA	16,000	5,950	18,000
1976	9,050	1,610	NA	3,280	29,300	NA	12,100	5,950	17,000
1977	W	2,170	NA	3,220	29,300	NA	14,700	6,570	17,700
1978	W	1,340	88	2,400	29,300	NA	18,000	7,230	18,100
1979	19,100	2,260	163	1,950	29,300	NA	21,700	8,770	19,700
1980	20,400	4,330	103	2,160	29,300	NA	24,400	15,500	30,700
1981	24,000	5,890	53	3,380	29,300	NA	28,700	16,900	30,300
1982	14,200	1,230	33	3,040	29,300	NA	15,700	12,200	20,600
1983	12,700	1,090	35	2,840	29,300	NA	14,600	12,600	20,600
1984	22,100	2,420	155	2,860	29,500	NA	22,400	9,110	14,300
1985	21,100	1,560	46	4,310	33,400	NA	19,600	8,270	12,500
1986	15,800	1,480	63	2,890	33,400	NA	17,700	9,040	13,400
1987	17,800	924	85	2,270	33,400	NA	18,000	9,040	13,000
1988	22,300	1,360	80	2,440	33,400	NA	21,000	9,920	13,700
1989	25,200	903	136	2,110	33,400	NA	24,900	11,100	14,600
1990	24,700	1,090	331	3,270	33,400	NA	23,200	10,500	13,100
1991	13,400	612	418	2,850	33,400	NA	13,400	10,500	12,600

TITANIUM SPONGE STATISTICS¹

U.S. GEOLOGICAL SURVEY

[All values are in metric tons (t) titanium content unless otherwise noted]

Last modification: November 15, 2012

Year	Production	Imports	Exports	Industry stocks	Government stocks	Government shipments	Apparent consumption	Unit value (\$/t)	Unit value (98\$/t)
1992	W	684	178	1,930	33,400	NA	14,200	8,270	9,610
1993	W	2,160	104	2,910	33,400	NA	15,100	8,270	9,330
1994	W	6,470	126	5,570	33,400	NA	18,800	9,660	10,600
1995	W	7,560	225	5,270	33,400	NA	21,600	9,660	10,300
1996	W	10,100	528	4,390	33,200	NA	28,400	9,660	10,000
1997	W	16,100	976	7,020	33,100	227	31,300	9,660	9,810
1998	W	10,900	348	10,600	31,700	1,380	28,200	9,660	9,660
1999	W	6,000	807	7,970	31,200	515	18,100	9,370	9,170
2000	W	7,240	1,930	5,010	26,300	4,870	18,200	8,710	8,240
2001	W	13,300	2,170	6,340	18,600	7,640	26,200	7,890	7,260
2002	W	10,700	2,810	11,700	13,200	5,400	17,300	8,020	7,270
2003	W	9,590	4,990	8,180	6,420	6,820	17,100	7,360	6,520
2004	W	11,900	2,410	7,660	2,510	3,910	21,200	11,000	9,490
2005	W	15,800	1,910	4,330	0	2,510	26,100	17,300	14,400
2006	W	24,400	1,380	8,240	0	0	28,400	20,600	16,700
2007	W	25,900	2,000	7,820	0	0	33,700	14,800	11,700
2008	W	23,900	2,370	14,200	0	0	W	15,600	11,800
2009	W	16,600	820	15,300	0	0	W	15,600	11,900
2010	W	20,500	293	10,500	0	0	34,900	10,700	8,000
2011	W	33,800	256	10,800	0	0	48,400	9,930	7,200

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

¹Compiled by D.A. Buckingham (retired), J. Gambogi, and G.M. Bedinger.

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

TITANIUM SCRAP STATISTICS¹

U.S. GEOLOGICAL SURVEY

[All values are in metric tons (t) titanium content unless otherwise noted]

Last modification: November 15, 2012

Year	Imports	Exports	Industry stocks	Apparent consumption	Unit value (\$/t)	Unit value (98\$/t)
1955	NA	NA	NA	1,230	NA	NA
1956	NA	NA	NA	1,840	NA	NA
1957	NA	NA	NA	1,580	NA	NA
1958	NA	NA	NA	1,210	NA	NA
1959	NA	NA	NA	1,530	NA	NA
1960	NA	NA	NA	2,290	NA	NA
1961	NA	NA	NA	2,270	NA	NA
1962	NA	NA	NA	2,870	NA	NA
1963	NA	NA	NA	2,120	NA	NA
1964	NA	NA	NA	2,610	NA	NA
1965	NA	NA	NA	3,000	NA	NA
1966	NA	NA	NA	4,410	NA	NA
1967	NA	NA	NA	5,280	NA	NA
1968	NA	NA	NA	4,270	NA	NA
1969	NA	NA	NA	6,860	NA	NA
1970	555	NA	NA	6,570	NA	NA
1971	200	NA	NA	5,580	NA	NA
1972	381	NA	3,900	7,080	NA	NA
1973	1,330	NA	4,030	9,110	NA	NA
1974	2,610	NA	5,010	9,620	NA	NA
1975	795	NA	5,560	7,540	NA	NA
1976	1,690	NA	5,230	8,360	1,640	4,700
1977	4,080	NA	6,140	9,880	1,610	4,330
1978	3,440	4,950	5,850	11,200	2,370	5,930
1979	5,570	4,510	6,110	12,700	4,000	8,980
1980	3,750	2,990	7,840	14,000	7,580	15,000
1981	3,440	2,980	9,510	13,400	5,700	10,200
1982	1,160	3,890	10,000	7,740	3,150	5,320
1983	1,430	4,880	11,500	9,500	3,130	5,120
1984	1,680	3,730	11,300	14,100	3,400	5,330
1985	1,940	6,130	10,600	13,400	3,140	4,760
1986	2,160	5,810	10,500	15,000	2,750	4,090
1987	2,220	5,080	9,210	16,400	2,970	4,260
1988	4,240	5,990	8,600	18,100	5,400	7,440
1989	5,310	5,470	8,030	17,600	7,890	10,400
1990	3,040	5,490	8,540	15,000	5,780	7,210
1991	2,670	4,570	7,910	11,400	3,190	3,820
1992	6,260	2,770	8,890	14,800	3,110	3,610
1993	5,510	3,890	8,130	15,300	3,280	3,700
1994	5,830	4,120	7,930	15,700	3,250	3,570
1995	11,100	3,420	9,430	20,500	3,910	4,180
1996	16,370	3,410	15,900	26,300	5,020	5,220
1997	10,650	5,500	15,200	26,300	4,610	4,680
1998	9,770	7,010	13,600	28,600	3,540	3,540
1999	6,870	8,130	9,450	21,900	2,850	2,790
2000	7,550	5,060	5,150	18,500	3,190	3,020
2001	11,600	7,500	4,920	17,000	3,520	3,270
2002	6,270	6,000	3,760	11,600	2,840	2,570
2003	5,550	5,320	4,320	14,300	3,550	3,140
2004	8,830	9,780	7,030	18,500	6,070	5,240
2005	12,400	20,600	6,900	25,800	13,100	10,900

TITANIUM SCRAP STATISTICS¹**U.S. GEOLOGICAL SURVEY****[All values are in metric tons (t) titanium content unless otherwise noted]****Last modification: November 15, 2012**

Year	Imports	Exports	Industry stocks	Apparent consumption	Unit value (\$/t)	Unit value (98\$/t)
2006	12,800	10,800	8,940	25,000	15,600	12,600
2007	12,200	9,510	12,600	23,800	10,900	8,570
2008	10,400	8,180	W	23,200	6,630	5,020
2009	4,770	4,200	9,880	25,700	3,700	2,810
2010	10,700	3,480	7,900	29,200	7,040	5,260
2011	13,900	5,150	12,900	30,900	6,170	4,470

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

¹Compiled by D.A. Buckingham (retired), J. Gambogi, and G.M. Bedinger.

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

Titanium Metal Worksheet Notes

Data Sources

Sources for the titanium metal worksheet are the mineral statistics publications of the U.S. Bureau of Mines and the U.S. Geological Survey—Minerals Yearbook (MYB), and the Mineral Commodity Summaries (MCS). Other data sources include Metal Prices in the United States through 1998 (MP98), compiled and published by the U.S. Geological Survey in 1999. The years of publication and corresponding years of data coverage are listed in the References section below.

Titanium Sponge

Production

Data represent titanium sponge metal production. Data are not available for prior to 1948 and are withheld for 1964–70, 1977–78, and 1992 to the most recent year. Data are from the MYB.

Imports

Data represent imports of titanium sponge metal. Data are not available prior to 1954. Data are from the MYB.

Exports

Data represent exports of titanium sponge metal. Data are not available prior to 1978. Data are from the MYB.

Stocks

Data represent yearend industry stocks of titanium sponge metal. Data for 2008 to the most recent year are withheld. Data are from the MYB.

Government Stocks

Data represent total yearend inventory of government stocks of titanium sponge metal. Data are not available prior to 1952. Data are from the MYB.

Government Shipments

Data represent shipments of titanium sponge metal from government stocks. Data are not available prior to 1997. Data are from the MCS.

Apparent Consumption

Apparent consumption data are not published. Consumption data are not available prior to 1948. Data for 1948–53 are estimated using titanium sponge metal production. Titanium sponge metal apparent consumption data for 1954 to the most recent year are estimated using the “Reported Sponge Metal Consumption” data published in the MYB. Apparent consumption datum for 2008 is withheld.

Unit Value (\$/t)

Unit value is defined as the value of 1 metric ton (t) apparent consumption of titanium sponge metal. Unit value data were estimated with the yearend market price for titanium sponge metal for 1941 to the most recent year. Data are from the MYB and MP98.

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.

Titanium Scrap

Imports

Data represent imports of titanium scrap and waste. Data are not available prior to 1970. Data are from the MYB.

Exports

Data represent exports of titanium scrap and waste. Data are not available prior to 1978. Data are from MYB.

Stocks

Data represent yearend titanium scrap industry stocks. Data are from the MYB.

Apparent Consumption

Apparent consumption data are not published. Consumption data are not available prior to 1955. The “Reported Scrap Consumption” data as published in the MYB are used to estimate titanium scrap metal apparent consumption. Data represent scrap consumed to produce titanium metal products.

Unit Value (\$/t)

Unit value is defined as the value of 1 metric ton (t) apparent consumption of titanium scrap. Unit value data were estimated with the scrap import value. Data are from the MYB.

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.

References

U.S. Bureau of Mines, 1950–96, Minerals Yearbook, 1948–94.

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U.S. Geological Survey, 1999, Metal Prices in the United States through 1998.

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Recommended Citation Format:

U.S. Geological Survey, [year of last update, e.g., 2005], [Mineral commodity, e.g., Gold] 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://pubs.usgs.gov/ds/2005/140/>.

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