

**STONE ( CRUSHED) STATISTICS<sup>1</sup>**

**U.S. GEOLOGICAL SURVEY**

[All values in metric tons (t) gross weight unless otherwise noted]

Last modification: November 27, 2012

<b>Year</b>	<b>Production</b>	<b>Recycled</b>	<b>Imports</b>	<b>Exports</b>	<b>Apparent consumption</b>	<b>Unit value (\$/t)</b>	<b>Unit value (98\$/t)</b>
1900	38,400,000		NA	NA	38,400,000	0.22	4.31
1901	43,400,000		NA	NA	43,400,000	0.27	5.29
1902	49,000,000		NA	NA	49,000,000	0.23	4.34
1903	44,100,000		NA	NA	44,100,000	0.30	5.45
1904	49,800,000		NA	NA	49,800,000	0.31	5.64
1905	56,200,000		NA	NA	56,200,000	0.29	5.27
1906	63,500,000		NA	NA	63,500,000	0.28	5.09
1907	69,800,000		NA	NA	69,800,000	0.32	5.61
1908	63,500,000		NA	NA	63,500,000	0.32	5.82
1909	74,400,000		NA	NA	74,400,000	0.32	5.82
1910	84,400,000		NA	NA	84,400,000	0.32	5.61
1911	84,400,000		NA	NA	84,400,000	0.34	5.96
1912	87,100,000		NA	NA	87,100,000	0.33	5.59
1913	94,300,000		NA	NA	94,300,000	0.34	5.60
1914	82,500,000		NA	NA	82,500,000	0.37	6.04
1915	87,100,000		NA	NA	87,100,000	0.34	5.48
1916	79,300,000		NA	NA	79,300,000	0.72	10.80
1917	72,600,000		NA	NA	72,600,000	0.78	9.94
1918	60,600,000		NA	NA	60,600,000	1.03	11.10
1919	57,300,000		NA	NA	57,300,000	1.18	11.10
1920	69,000,000		NA	NA	69,000,000	1.33	10.80
1921	55,400,000		NA	NA	55,400,000	1.31	11.90
1922	70,000,000		NA	NA	70,000,000	1.17	11.40
1923	83,700,000		NA	NA	83,700,000	1.27	12.10
1924	90,300,000		NA	NA	90,300,000	1.19	11.30
1925	101,000,000		NA	23,800	101,000,000	1.16	10.80
1926	110,000,000		NA	15,900	109,000,000	1.25	11.50
1927	120,000,000		NA	18,600	120,000,000	1.13	10.60
1928	103,000,000		NA	20,000	103,000,000	1.23	11.70
1929	124,000,000		NA	22,300	124,000,000	1.10	10.50
1930	112,000,000		NA	41,100	112,000,000	1.08	10.60
1931	83,100,000		NA	18,600	83,100,000	1.11	11.90
1932	59,600,000		NA	225	59,600,000	1.04	12.40
1933	62,700,000		NA	8,190	62,700,000	0.96	12.00
1934	82,800,000		NA	9,020	82,800,000	1.10	13.40
1935	74,300,000		NA	9,320	74,300,000	0.99	11.80
1936	118,000,000		NA	16,000	118,000,000	1.01	11.80
1937	119,000,000		NA	22,100	119,000,000	1.12	12.70
1938	112,000,000		NA	23,300	112,000,000	1.07	12.40
1939	132,000,000		21,500	30,300	132,000,000	1.03	12.10
1940	138,000,000		6,820	24,400	138,000,000	1.02	11.90
1941	165,000,000		653	31,300	165,000,000	1.07	11.90
1942	177,000,000		8,490	30,400	177,000,000	1.08	10.80
1943	155,000,000		16,300	35,900	155,000,000	1.12	10.60
1944	141,000,000		29,600	47,200	141,000,000	1.16	10.70
1945	139,000,000		92,900	63,300	139,000,000	1.19	10.80
1946	162,000,000		141,000	110,000	162,000,000	1.28	10.70
1947	188,000,000		121,000	121,000	188,000,000	1.36	9.93
1948	204,000,000		125,000	115,000	204,000,000	1.41	9.53
1949	202,000,000		169,000	116,000	203,000,000	1.46	10.00
1950	228,000,000		175,000	122,000	228,000,000	1.49	10.10

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<b>Year</b>	<b>Production</b>	<b>Recycled</b>	<b>Imports</b>	<b>Exports</b>	<b>Apparent consumption</b>	<b>Unit value (\$/t)</b>	<b>Unit value (98\$/t)</b>
1951	258,000,000		181,000	90,100	258,000,000	1.49	9.31
1952	272,000,000		213,000	844,000	272,000,000	1.52	9.33
1953	277,000,000		263,000	781,000	277,000,000	1.55	9.45
1954	380,000,000		209,000	666,000	380,000,000	1.48	8.97
1955	426,000,000		282,000	1,030,000	425,000,000	1.52	9.27
1956	458,000,000		268,000	1,140,000	458,000,000	1.53	9.16
1957	482,000,000		294,000	1,100,000	481,000,000	1.54	8.95
1958	484,000,000		465,000	854,000	484,000,000	1.54	8.70
1959	528,000,000		626,000	1,130,000	527,000,000	1.56	8.72
1960	557,000,000		823,000	979,000	557,000,000	1.55	8.52
1961	502,000,000		712,000	834,000	502,000,000	1.54	8.42
1962	521,000,000		923,000	668,000	521,000,000	1.55	8.38
1963	622,000,000		923,000	793,000	622,000,000	1.56	8.30
1964	656,000,000		1,470,000	1,340,000	656,000,000	1.61	8.47
1965	706,000,000		1,270,000	1,120,000	706,000,000	1.58	8.19
1966	736,000,000		1,150,000	1,350,000	736,000,000	1.59	7.99
1967	711,000,000		2,080,000	1,330,000	712,000,000	1.61	7.85
1968	742,000,000		2,790,000	1,440,000	743,000,000	1.64	7.70
1969	781,000,000		2,660,000	1,510,000	782,000,000	1.70	7.55
1970	787,000,000		2,720,000	1,970,000	788,000,000	1.86	7.81
1971	793,000,000		2,320,000	2,210,000	793,000,000	2.01	8.09
1972	834,000,000		2,960,000	2,540,000	834,000,000	2.00	7.78
1973	960,000,000		3,040,000	2,830,000	961,000,000	2.06	7.57
1974	945,000,000		3,270,000	3,140,000	945,000,000	2.18	7.22
1975	816,000,000		2,770,000	3,930,000	815,000,000	2.48	7.51
1976	817,000,000		2,670,000	3,380,000	816,000,000	2.59	7.42
1977	865,000,000		3,490,000	3,610,000	865,000,000	2.72	7.32
1978	952,000,000		3,940,000	3,680,000	952,000,000	2.91	7.28
1979	995,000,000		3,990,000	3,890,000	995,000,000	3.28	7.36
1980	892,000,000		3,570,000	2,830,000	893,000,000	3.43	6.79
1981	792,000,000		3,040,000	3,300,000	791,000,000	3.95	7.08
1982	717,000,000		1,700,000	1,900,000	717,000,000	4.07	6.88
1983	782,000,000		2,450,000	2,220,000	782,000,000	4.26	6.97
1984	867,000,000		2,950,000	2,180,000	868,000,000	4.33	6.80
1985	908,000,000		2,760,000	2,180,000	908,000,000	4.46	6.76
1986	928,000,000		2,950,000	2,680,000	929,000,000	4.59	6.83
1987	1,090,000,000		3,540,000	2,960,000	1,090,000,000	4.82	6.92
1988	1,130,000,000		3,310,000	3,350,000	1,130,000,000	4.91	6.76
1989	1,100,000,000		4,000,000	3,580,000	1,100,000,000	4.84	6.36
1990	1,110,000,000		4,570,000	4,680,000	1,110,000,000	5.04	6.29
1991	997,000,000		5,200,000	2,220,000	1,000,000,000	5.31	6.35
1992	1,050,000,000		7,000,000	3,660,000	1,050,000,000	5.32	6.18
1993	1,120,000,000		8,440,000	4,820,000	1,120,000,000	5.30	5.98
1994	1,230,000,000	1,190,000	8,930,000	5,180,000	1,230,000,000	5.38	5.92
1995	1,260,000,000	9,600,000	10,900,000	6,040,000	1,270,000,000	5.36	5.73
1996	1,330,000,000	10,300,000	11,300,000	3,270,000	1,350,000,000	5.40	5.61
1997	1,410,000,000	9,960,000	12,400,000	4,090,000	1,430,000,000	5.64	5.73
1998	1,510,000,000	11,800,000	13,600,000	4,370,000	1,530,000,000	5.38	5.38
1999	1,530,000,000	16,300,000	12,300,000	4,120,000	1,550,000,000	5.35	5.23
2000	1,550,000,000	15,600,000	13,000,000	4,020,000	1,570,000,000	5.36	5.08
2001	1,590,000,000	16,400,000	13,500,000	4,370,000	1,620,000,000	5.57	5.12

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2002	1,510,000,000	14,700,000	14,300,000	2,560,000	1,540,000,000	5.71	5.17
2003	1,530,000,000	17,100,000	15,300,000	1,010,000	1,560,000,000	5.93	5.25
2004	1,630,000,000	13,500,000	18,600,000	1,280,000	1,660,000,000	6.07	5.24
2005	1,700,000,000	14,400,000	21,000,000	1,260,000	1,730,000,000	7.29	6.09
2006	1,780,000,000	15,400,000	19,800,000	1,140,000	1,810,000,000	8.03	6.49
2007	1,650,000,000	20,100,000	19,500,000	1,020,000	1,690,000,000	8.58	6.75
2008	1,450,000,000	29,100,000	20,900,000	1,240,000	1,500,000,000	9.36	7.09
2009	1,160,000,000	28,500,000	12,200,000	1,260,000	1,200,000,000	9.73	7.39
2010	1,160,000,000	26,400,000	14,600,000	1,210,000	1,200,000,000	9.57	7.15
2011	1,160,000,000	27,200,000	15,000,000	911,000	1,200,000,000	9.68	7.01

NA Not available.

<sup>1</sup>Compiled by C.A. DiFrancesco (retired), V.V. Tepordei (retired), and J.C. Willett.

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

## Stone (Crushed) Worksheet Notes

### Data Sources

The sources of data for the stone (crushed) worksheet are 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); the Statistical Compendium (SC); and U.S. Geological Survey Fact Sheet FS-144-97 (FS). The years of publication and corresponding years of data coverage are listed in the References section below.

### Production

Production data were for crushed stone sold or used in the United States. Data were from the FS for 1900–15, the MYB and MR for 1916–70 and 1991 to the most recent year and the SC for 1971–90. Crushed slate data were reported separately for 1916–57 and added to the crushed stone figures. Production data exclude recycled material.

### Recycled

Data were for recycled asphalt and recycled concrete sold or used in the United States. Data were from the crushed stone and construction sand and gravel chapters of the MYB for 1995 to the most recent year. Recycled materials were included in the chapter of the commodity of the reporting operation's primary product for 1995–2007. Since 2007, the reported totals from crushed stone and construction sand & gravel operations are combined into one table, which is included in both chapters.

### Imports

Import data report the amount of crushed stone imported into the United States. Data were from the MYB and the MR. Crushed slate data were reported separately and added to the crushed stone figures for 1939–41, 1943–49, and 1951 to the most recent year. Imports were estimated for 1939–63 by using the moving average of known prices of imports divided into the value of imports for that year. Data were not available for 1900–38.

### Exports

Export data report the amounts of crushed stone exported from the United States. Data were from the MYB and the MR. Crushed slate data were reported separately and added to the crushed stone figures for 1925–48 and 1950–57. Exports were estimated for 1925–52 by using the moving average of known prices of exports divided into the value of imports for that year. Data were not available for 1900–24.

### Apparent Consumption

Apparent consumption was estimated for 1900 to the most recent year by using the formula:

$$\text{APPARENT CONSUMPTION} = \text{PRODUCTION} + \text{IMPORTS} + \text{RECYCLE} - \text{EXPORTS}.$$

### Unit Value (\$/t)

Unit value is the value in dollars of 1 metric ton (t) of crushed stone apparent consumption, f.o.b. (free on board) plant. Data were from the MYB for 1970 to the most recent year. Unit value was estimated in actual U.S. dollars for 1900–69 by dividing production value by production quantity.

### 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. dollar.

### References

- Tepordei, V.V., 1999, Natural aggregates—Foundation of America's future: U.S. Geological Survey Fact Sheet FS 144-97, 4 p.
- U.S. Bureau of Mines, 1927–34, Mineral Resources of the United States, 1924–31.
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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/>.

**For more information, please contact:**

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