

**CONSTRUCTION SAND AND GRAVEL END-USE STATISTICS<sup>1</sup>**  
**U.S. GEOLOGICAL SURVEY**  
[Metric tons]

Last modification: September 15, 2005

Year	Concrete aggregate (including concrete sand)	Plaster and gunitite sands	Concrete products (blocks, bricks, pipe, decorative, etc.)	Asphaltic concrete aggregates and other bituminous mixtures	Road base and coverings	Road stabilization (cement)	Road stabilization (lime)	Fill	Snow and ice control	Railroad ballast	Roofing granules	Filtration	Other	Unspecified: actual	Unspecified: estimated	Apparent consumption
1975	247,000,000		55,600,000	105,000,000	170,000,000			95,000,000					19,200,000			691,000,000
1976	253,000,000		70,800,000	116,000,000	189,000,000			124,000,000					22,800,000			775,000,000
1977	315,000,000		48,100,000	120,000,000	171,000,000			144,000,000		1,090,000			14,900,000			814,000,000
1978	335,000,000	8,220,000	38,000,000	129,000,000	193,000,000			149,000,000	6,330,000	1,340,000			14,500,000			873,000,000
1979	324,000,000	9,930,000	29,700,000	129,000,000	202,000,000			141,000,000	7,440,000	1,080,000			14,000,000			857,000,000
1980	261,000,000	7,630,000	28,100,000	101,000,000	164,000,000			111,000,000	6,010,000	858,000			13,100,000			692,000,000
1981																625,000,000
1982	204,000,000	7,340,000	24,100,000	78,100,000	119,000,000	1,020,000	310,000	89,200,000	6,280,000	960,000			8,730,000			538,000,000
1983																593,000,000
1984	179,000,000	7,880,000	9,930,000	62,200,000	101,000,000	1,280,000	1,170,000	46,800,000	5,100,000	1,180,000	363,000		8,150,000	113,000,000	165,000,000	701,000,000
1985																725,000,000
1986	199,000,000	9,110,000	14,800,000	79,300,000	116,000,000	1,370,000	817,000	59,900,000	5,260,000	1,370,000	512,000		12,700,000	152,000,000	149,000,000	800,000,000
1987																812,000,000
1988	209,000,000	8,370,000	9,440,000	74,800,000	124,000,000	2,170,000	892,000	56,800,000	5,420,000	580,000	565,000	62,600	18,700,000	217,000,000	110,000,000	837,000,000
1989																813,000,000
1990	218,000,000	9,080,000	10,100,000	69,400,000	123,000,000	1,650,000	700,000	66,300,000	6,630,000	788,000	513,000	1,010,000	14,900,000	199,000,000	108,000,000	831,000,000
1991																708,000,000
1992	241,000,000	8,760,000	10,900,000	87,700,000	172,000,000	3,070,000	1,330,000	80,500,000	6,310,000	909,000	0	2,210,000	5,930,000	113,000,000	100,000,000	834,000,000
1993																869,000,000
1994	242,000,000	7,460,000	12,300,000	80,700,000	133,000,000	2,050,000	1,730,000	75,600,000	7,080,000	1,010,000	182,000	1,970,000	9,290,000	166,000,000	150,000,000	891,000,000
1995	225,000,000	8,260,000	10,900,000	69,400,000	124,000,000	4,810,000	2,320,000	69,100,000	5,840,000	1,290,000	218,000	1,200,000	12,000,000	181,000,000	192,000,000	907,000,000
1996	232,000,000	7,450,000	9,770,000	70,800,000	119,000,000	4,700,000	1,760,000	63,900,000	6,800,000	974,000	515,000	1,120,000	18,000,000	174,000,000	203,000,000	914,000,000
1997	238,000,000	9,800,000	9,560,000	74,700,000	123,000,000	5,290,000	973,000	72,200,000	6,890,000	2,130,000	300,000	1,330,000	11,400,000	210,000,000	187,000,000	952,000,000
1998	222,000,000	9,090,000	8,970,000	70,400,000	129,000,000	3,250,000	1,440,000	66,300,000	5,750,000	1,140,000	278,000	1,390,000	11,000,000	267,000,000	270,000,000	1,070,000,000
1999	237,000,000	11,400,000	10,300,000	81,000,000	132,000,000	3,810,000	4,380,000	76,500,000	5,490,000	1,070,000	396,000	1,150,000	13,700,000	257,000,000	273,000,000	1,110,000,000
2000	265,000,000	10,200,000	9,810,000	79,500,000	132,000,000	3,340,000	2,520,000	80,800,000	5,360,000	1,070,000	471,000	1,720,000	15,300,000	269,000,000	245,000,000	1,120,000,000
2001	248,000,000	6,970,000	8,510,000	71,500,000	122,000,000	2,120,000	1,360,000	76,800,000	5,690,000	610,000	306,000	888,000	12,000,000	298,000,000	275,000,000	1,130,000,000
2002	223,000,000	6,720,000	13,200,000	65,500,000	118,000,000	3,140,000	1,750,000	76,900,000	4,720,000	509,000	183,000	387,000	17,100,000	318,000,000	283,000,000	1,130,000,000
2003	247,000,000	10,400,000	8,500,000	71,300,000	121,000,000	3,280,000	967,000	83,900,000	5,210,000	635,000	163,000	725,000	9,030,000	305,000,000	292,000,000	1,160,000,000

<sup>1</sup>Compiled by G.R. Matos and W.P. Bolen.

## Construction Sand and Gravel End-Use Worksheet Notes

### Data Sources

The sources of data for the construction sand and gravel end-use worksheet are the Mineral Yearbook, an annual collection, compilation, and analysis of mineral industry data, published by the U.S. Bureau of Mines (USBM) and the U.S. Geological Survey (USGS) and the Mineral Commodity Summaries, an annual mineral statistics publication of the USBM and USGS.

### End Use

End use is defined as the use of the mineral commodity in a particular industrial sector or product. For construction sand and gravel sold or used by producers, end-use categories are concrete aggregate (including concrete sand), plaster and gunite sands, concrete products (blocks, bricks, pipe decorative, etc.), asphaltic concrete aggregates and other bituminous mixtures, road base and coverings, road stabilization (cement), road stabilization (lime), fill, snow and ice control, railroad ballast, roofing granules, filtration, other miscellaneous uses, unspecified actual, and unspecified estimates.

End-use data for construction sand and gravel were collected and reported using different methodologies during the span of years covered in this report. Each year some producers do not report and their production must be estimated. In addition, some producers provide only total production without an end-use breakdown. Prior to 1984, these tonnages were distributed into the categories in use at that time. Since 1984, all tonnages reported without an end-use breakdown were placed in the "unspecified uses, actual." The estimated production of nonrespondents was reported under "unspecified uses, estimated." From the years 1980 to 1992, end-use data were collected every other year.

Blank cells in the spreadsheet indicate that end-use data were not available. Data are rounded to no more than three significant digits; data may not add to totals shown.

### References

- U.S. Bureau of Mines, 1977–96, Minerals Yearbook, v. I, 1975–94.
- U.S. Geological Survey, 1997–2005, Minerals Yearbook, v. I, 1995–2003.
- U.S. Geological Survey, 2000–2003, Mineral Commodity Summaries, 2000–2003.

### Recommended Citation Format:

(1) If taken from CD version:

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, one CD-ROM. (Also available online at <http://pubs.usgs.gov/ds/2005/140/>.)

(2) If taken from online version:

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, available online at <http://pubs.usgs.gov/ds/2005/140/>. (Accessed [date].)

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