

THE MINERAL INDUSTRY OF MASSACHUSETTS

This chapter has been prepared under a Memorandum of Understanding between the U.S. Bureau of Mines, U.S. Department of the Interior, and the Commonwealth of Massachusetts, Executive Office of Environmental Affairs, for collecting information on all nonfuel minerals.

Massachusetts ranked 39th in the Nation in total nonfuel mineral production value¹ in 1995, according to the U.S. Geological Survey (USGS). The estimated value for 1995 was \$213 million, nearly a 20% increase from that of 1994. This followed a 10.8% increase from 1993 to 1994 (based on final data). The State accounted for about 0.5% of the total U.S. nonfuel mineral production value. The leading and second-leading mineral commodities in Massachusetts were crushed stone and construction sand and gravel, respectively. The crushed stone industry provided the State with most of the increased mineral value during 1994 and 1995. In 1995, crushed stone value increased 31%, or more than \$30 million, from that of 1994. This followed crushed stone's nearly 28% gain of \$21 million from 1993 to 1994. In 1995, the combined increases of crushed stone and dimension stone values were moderated somewhat by the decrease in construction sand

and gravel. In 1994, while crushed stone and construction sand and gravel values increased, the State's increase overall was lessened by a substantial drop in dimension stone. Based on USGS estimates of quantities of dimension stone produced in the United States during 1995, Massachusetts increased in rank from sixth to fifth.

¹The terms "nonfuel mineral production" and related "values" encompass variations in meaning, depending on the minerals or mineral products. Production may be measured by mine shipments, mineral commodity sales, or marketable production (including consumption by producers) as is applicable to the individual mineral commodity.

All 1995 USGS mineral production data published in this chapter are estimated as of Dec. 1995. Estimates for construction sand and gravel and crushed stone are periodically updated. To obtain the most current information, please contact the appropriate USGS mineral commodity specialist. Call MINES FaxBack at (703) 648-4999 from a fax machine with a touch-tone handset and request Document No. 1000 for a telephone listing of all mineral commodity specialists or call USGS information at (703) 648-4000 for the specialist's name and number.

TABLE 1
NONFUEL RAW MINERAL PRODUCTION IN MASSACHUSETTS^{1 2}

Mineral	1993		1994		1995 ³		
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)	
Sand and gravel:							
Construction	thousand metric tons	^e 10,800	^e \$51,300	12,300	\$60,000	10,500	\$52,000
Industrial	metric tons	2,000	42	W	W	W	W
Stone:							
Crushed	thousand metric tons	³ 9,460	³ 76,300	10,500	97,300	13,500	128,000
Dimension	metric tons	153,000	21,300	57,300	9,600	W	W
Combined value of clays (common), gemstones, lime, peat, stone [crushed dolomite and miscellaneous (1993)], and values indicated by symbol W							
		XX	11,300	XX	10,600	XX	32,900
Total		XX	160,000	XX	178,000	XX	213,000

^eEstimated. ³Preliminary. W Withheld to avoid disclosing company proprietary data; value included with "Combined value" data. XX Not applicable.

¹Production as measured by mine shipments, sales, or marketable production (including consumption by producers).

²Data are rounded to three significant digits; may not add to totals shown.

³Excludes certain stones; kind and value included with "Combined value" data.

TABLE 2
MASSACHUSETTS: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 1994, BY MAJOR USE CATEGORY¹

Use	Quantity (thousand metric tons)	Value (thousands)	Value per ton
Concrete aggregate (including concrete sand)	2,490	\$14,200	\$5.71
Plaster and gunit sands	53	433	8.17
Concrete products (blocks, brick, pipe, decorative, etc.)	79	586	7.42
Asphaltic concrete aggregates and other bituminous mixtures	230	1,490	6.48
Road base and coverings ²	1,600	8,250	5.16
Fill	2,110	6,560	3.11
Snow and ice control	484	2,210	4.57
Roofing granules	6	146	24.30
Other ³	98	1,090	11.10
Unspecified: ⁴			
Actual	1,070	4,510	4.21
Estimated	4,050	20,600	5.08
Total or average	12,300	60,000	4.89

¹Data are rounded to three significant digits; may not add to totals shown.

²Includes road and other stabilization (lime).

³Includes filtration and railroad ballast.

⁴Includes production reported without a breakdown by end use and estimates for nonrespondents.

TABLE 3
MASSACHUSETTS: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 1994, BY USE AND DISTRICT¹

(Thousand metric tons and thousand dollars)

Use	District 1		District 2		District 3	
	Quantity	Value	Quantity	Value	Quantity	Value
Concrete aggregate and concrete products ²	401	1,990	741	4,340	1,480	8,880
Asphaltic concrete aggregates and road base materials ³	511	2,590	1,250	4,530	2,180	9,180
Other miscellaneous uses ⁴	42	222	301	1,290	246	1,930
Unspecified: ⁵						
Actual	118	529	377	1,670	577	2,310
Estimated	637	3,220	247	1,660	3,160	15,700
Total	1,710	8,550	2,920	13,500	7,650	38,000

¹Data are rounded to three significant digits; may not add to totals shown.

²Includes plaster and gunit sands.

³Includes fill, and road and other stabilization (lime).

⁴Includes filtration, railroad ballast, roofing granules, and snow and ice control.

⁵Includes production reported without a breakdown by end use and estimates for nonrespondents.



U. S. Geological Survey Minerals Information

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