

# THE MINERAL INDUSTRY OF MAINE

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 Maine Geological Survey for collecting information on all nonfuel minerals.

In 1995, Maine ranked 46th in the Nation in total nonfuel mineral production value,<sup>1</sup> according to the U.S. Geological Survey (USGS). The estimated value for 1995 was \$59 million, a 4% decrease from that of 1994. This followed a more than 1% increase from 1993 to 1994. The State accounted for somewhat less than 0.5% of the U.S. total nonfuel mineral production value. Compared with 1994, the values of crushed stone, dimension stone, and gemstones increased. Decreases occurred for construction sand and gravel and portland and masonry cements. Based on USGS estimates of quantities of minerals produced in the 50 States during 1995, Maine remained third in the

production of peat.

<sup>1</sup>The 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 in Table 1 are estimates, as of Dec. 1995. Construction sand and gravel, crushed stone, and portland cement estimates are updated periodically. 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 MAINE<sup>1 2</sup>

Mineral	1993		1994		1995 <sup>p</sup>	
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)
Gemstones	NA	\$9,690	NA	\$235	NA	\$277
Sand and gravel (construction) thousand metric tons	<sup>4</sup> 4,400	<sup>1</sup> 18,900	5,890	24,400	5,000	21,000
Stone (crushed) do.	1,830	10,400	2,740	15,500	2,900	16,900
Combined value of cement, clays (common), peat, and stone (dimension)	XX	21,200	XX	20,900	XX	20,600
Total	XX	60,100	XX	61,000	XX	58,700

<sup>a</sup>Estimated. <sup>p</sup>Preliminary. NA Not available. XX Not applicable.

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

<sup>2</sup>Data are rounded to three significant digits; may not add to totals shown.

TABLE 2  
MAINE: CRUSHED STONE<sup>1</sup> SOLD OR USED BY PRODUCERS IN 1994, BY USE<sup>2</sup>

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
<b>Coarse and fine aggregate:</b>			
Graded road base or subbase	198	\$750	\$3.79
Other construction materials <sup>3</sup>	706	4,110	5.83
Agricultural: Other agricultural uses	W	W	11.01
<b>Chemical and metallurgical:</b>			
Cement manufacture	W	W	4.74
Lime manufacture	W	W	4.74
<b>Unspecified:<sup>4</sup></b>			
Actual	580	3,720	6.41
Estimated	642	3,970	6.18
Total	2,740	15,500	5.65

W Withheld to avoid disclosing company proprietary data; included in "Total."

<sup>1</sup>Includes calcareous marl, granite, limestone, miscellaneous stone, slate, and traprock.

<sup>2</sup>Data are rounded to three significant digits; may not add to totals shown.

<sup>3</sup>Includes concrete aggregate (coarse), bituminous aggregate (coarse), bituminous surface-treatment aggregate, and stone sand (concrete).

<sup>4</sup>Includes production reported without a breakdown by end use and estimates for nonrespondents.

TABLE 3  
**MAINE: CRUSHED STONE SOLD OR USED, BY KIND<sup>1</sup>**

Kind	1993				1994			
	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Unit value	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Unit value
Limestone	6	1,430	\$8,580	\$6.02	6	1,530	\$9,450	\$6.19
Granite	2	W	W	3.95	3	314	1,420	4.52
Traprock	—	—	—	—	2	W	W	5.28
Slate	1	W	W	6.54	2	W	W	6.43
Calcareous marl	1	W	W	10.50	1	W	W	11.50
Miscellaneous stone	1	W	W	1.31	2	198	750	3.79
Total	XX	1,830	10,400	5.65	XX	2,740	15,500	5.65

<sup>1</sup>Revised. W Withheld to avoid disclosing company proprietary data; included in "Total." XX Not applicable.

<sup>1</sup>Data are rounded to three significant digits.

TABLE 4  
**MAINE: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 1994, BY MAJOR USE CATEGORY<sup>1</sup>**

Use	Quantity (thousand metric tons)	Value (thousands)	Value per ton
Concrete aggregate (including concrete sand)	582	\$2,240	\$3.85
Concrete products (blocks, brick, pipe, decorative, etc.)	( <sup>2</sup> )	2	6.19
Asphaltic concrete aggregates and other bituminous mixtures	1,680	9,490	5.64
Road base and coverings <sup>3</sup>	1,030	3,660	3.56
Fill	849	2,270	2.67
Snow and ice control	589	1,850	3.14
Railroad ballast	5	11	2.20
Unspecified: <sup>4</sup>			
Actual	421	1,560	3.71
Estimated	731	3,310	4.53
Total or average	5,890	24,400	4.14

<sup>1</sup>Data are rounded to three significant digits; may not add to totals shown.

<sup>2</sup>Less than 1/2 unit.

<sup>3</sup>Includes road and other stabilization (cement).

<sup>4</sup>Includes production reported without a breakdown by end use and estimates for nonrespondents.



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