

THE MINERAL INDUSTRY OF NEW HAMPSHIRE

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 New Hampshire Department of Environmental Services for collecting information on all nonfuel minerals.

In 1995, New Hampshire ranked 47th among the 50 States in total nonfuel mineral production value,¹ according to the U.S. Geological Survey (USGS). The estimated value for 1995 was \$36 million. Construction sand and gravel, a high-volume, low-value mineral commodity, was New Hampshire's leading nonfuel mineral commodity, accounting for about two-thirds of the State's nonfuel mineral production value. Crushed stone was the State's second leading nonfuel mineral. The dollar value totals for 1994 and 1995, as represented in table 1, are artificially low because data have been withheld to avoid disclosing company proprietary data. New Hampshire's ranking, however, was not affected by the withholding of data in either year. The actual decrease in the State's nonfuel mineral value in 1995 is substantially less than shown in table 1. The major portion of the 1995 decrease resulted from a drop in construction sand and gravel production and value. Compared with 1994, the value of crushed stone increased in 1995. Other nonfuel mineral commodities

that decreased in value were dimension stone and gemstones.

Unlike 1995, the withheld value for 1994 was small in magnitude. Based on final data, the State's nonfuel mineral production value in 1994 (excluding the withheld value) increased by almost 25% from that of 1993. A significant increase in construction sand and gravel production boosted New Hampshire's mineral economy in 1994.

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 NEW HAMPSHIRE^{1 2}

Mineral	1993		1994		1995 ^p	
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)
Clays thousand metric tons	3	\$16	3	\$16	3	\$16
Gemstones	NA	9	NA	21	NA	17
Sand and gravel (construction) thousand metric tons	^e 4,800	^e 20,700	7,120	32,600	5,600	25,700
Stone:						
Crushed do.	1,390	7,790	³ 1,390	³ 7,470	³ 1,800	³ 9,900
Dimension metric tons	53,100	8,670	35,300	6,300	W	W
Combined value of other industrial minerals	XX	—	XX	(^d)	XX	(^d)
Total	XX	37,200	XX	⁵ 46,400	XX	⁵ 35,600

^eEstimated. ^pPreliminary. NA Not available. 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.

⁴Value excluded to avoid disclosing company proprietary data.

⁵Partial total, excludes values which must be concealed to avoid disclosing company proprietary data.

TABLE 2
NEW HAMPSHIRE: CRUSHED STONE¹ SOLD OR USED BY PRODUCERS IN 1994, BY USE²

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Coarse aggregate, graded: Concrete aggregate, coarse ³	738	\$5,750	\$7.79
Agricultural: Poultry grit and mineral food	(4)	(4)	7.83
Unspecified: ⁵			
Actual	(4)	(4)	2.63
Estimated	199	543	2.73
Total	1,390	7,470	5.39

¹Includes granite, miscellaneous stone, and traprock; excludes limestone from State total to avoid disclosing company proprietary data.

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

³Includes bituminous aggregate (coarse), filter stone, graded road base or subbase, macadam, railroad ballast, riprap and jetty stone, stone sand (bituminous mix or seal), stone sand (concrete), and unpaved road surfacing.

⁴Withheld to avoid disclosing company proprietary data; included in "Total."

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

TABLE 3
NEW HAMPSHIRE: CRUSHED STONE SOLD OR USED, BY KIND¹

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	1	W	W	\$7.06	(2)	(2)	(2)	(2)
Granite	2	W	W	6.90	5	1,060	\$5,070	\$4.77
Traprock	7	937	\$4,670	4.98	6	323	2,400	7.44
Miscellaneous stone	1	W	W	6.98	—	—	—	—
Total	XX	1,390	7,790	5.61	XX	1,380	7,470	5.39

W Withheld to avoid disclosing company proprietary data; included in "Total." XX Not applicable.

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

²Excludes limestone from State total to avoid disclosing company proprietary data.

TABLE 4
NEW HAMPSHIRE: 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 and concrete products ²	602	\$3,610	\$5.99
Asphaltic concrete aggregates and other bituminous mixtures	318	1,740	5.47
Road base and coverings	601	2,820	4.70
Fill	989	2,390	2.42
Snow and ice control	162	581	3.59
Other ³	2,150	9,680	4.51
Unspecified: ⁴			
Actual	212	1,100	5.17
Estimated	2,090	10,700	5.10
Total or average	7,120	32,600	4.58

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

²Includes plaster and gunite sands.

³Includes filtration and railroad ballast.

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



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