

THE MINERAL INDUSTRY OF CONNECTICUT

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 State Geological and Natural History Survey of Connecticut, Department of Environmental Protection, for collecting information on all nonfuel minerals.

In 1995, for the 4th consecutive year, Connecticut was 44th 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 \$81 million, a 1% decrease from that of 1994. This followed a nearly 10% decrease from 1993 to 1994. The State accounted for somewhat less than 0.5% of the U.S. total.

Crushed stone and construction sand and gravel, the leading mineral commodities by value, accounted for nearly all of the State's nonfuel mineral production and value. Dimension stone, common clays, and gemstones were also produced in the State. Connecticut's total nonfuel mineral production value in 1995, as represented in table 1, is artificially low because data have been withheld to avoid disclosing company proprietary data. Connecticut's ranking was not affected by the withholding of data. Compared with 1994, the value of crushed stone increased. Nonfuel mineral values that decreased were construction sand and gravel, dimension stone, and common clays. No industrial sand and gravel production was reported to the USGS for 1995.

According to the Connecticut Geological and Natural History Survey, a bill allowing towns to protect traprock ridges within their borders from development, including

quarrying, was passed by the State Legislature and became effective October 1. The Connecticut Construction Industry Association was able to have the bill amended to permit quarrying operations that were approved before the effective date to continue.

Additionally, the towns of Middletown, Meriden, and Berlin jointly developed a land use plan for Lamentation Mountain that would protect habitats, vistas, and traprock at the highest elevations. The York Hill Trap Rock Quarry, Inc., probably would not be allowed to expand its quarry on the southern end of the mountain, if the plan were adopted by the towns' respective planning and zoning commissions.

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 in this publication are estimates, as of Dec. 1995. Construction sand and gravel and crushed stone 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 CONNECTICUT^{1 2}

Mineral	1993		1994		1995 ^p	
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)
Gemstones	NA	\$5	NA	\$5	NA	\$5
Sand and gravel (construction) thousand metric tons	⁶ 6,400	⁶ 34,900	5,420	28,000	5,300	27,800
Stone (crushed) do.	³ 4,600	³ 39,500	5,710	51,000	5,900	53,100
Combined value of other industrial minerals	XX	16,200	XX	2,670	XX	(⁴)
Total	XX	90,700	XX	81,800	XX	⁵ 80,900

⁶Estimated. ^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

CONNECTICUT: CRUSHED STONE¹ SOLD OR USED BY PRODUCERS IN 1994, BY USE²

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Coarse aggregate (+1 1/2 inch)			
Riprap and jetty stone	76	\$499	\$6.57
Filter stone	7	82	11.70
Coarse aggregate, graded:			
Concrete aggregate, coarse	W	W	5.51
Bituminous aggregate, coarse	W	W	5.51
Fine aggregate (-3/8 inch):			
Stone sand, concrete	27	45	1.67
Screening, undesignated	193	2,370	12.30
Coarse and fine aggregates:			
Graded road base or subbase	170	1,110	6.55
Crusher run or fill or waste	W	W	11.00
Other coarse and fine aggregates	316	1,880	5.93
Agricultural: Agricultural limestone	29	352	12.10
Special:			
Asphalt fillers or extenders	73	1,200	16.40
Other fillers or extenders	154	3,700	24.00
Other specified uses not listed	4	92	23.00
Unspecified: ³			
Actual	2,500	21,600	8.62
Estimated	2,160	18,100	8.39
Total	5,710	51,000	8.93

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

¹Includes dolomite, granite, limestone, and traprock.

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

³Includes production reported without a breakdown by end use and estimates for nonrespondents.

TABLE 3

CONNECTICUT: 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	6	1,150	\$9,400	\$8.14	5	1,440	W	W
Dolomite	(²)	(²)	(²)	(²)	1	408	W	W
Granite	3	129	1,490	11.50	3	119	\$1,350	\$11.30
Traprock	8	3,320	28,600	8.63	8	3,750	30,100	8.04
Miscellaneous stone	(²)	(²)	(²)	(²)	—	—	—	—
Total	XX	4,600	39,500	8.59	XX	5,710	51,000	8.93

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 dolomite and miscellaneous stone from State total to avoid disclosing company proprietary data.

TABLE 4
**CONNECTICUT: 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)	496	\$2,960	\$5.96
Plaster and gunit sands	W	W	5.63
Concrete products (blocks, brick, pipe, decorative, etc.)	47	286	6.09
Asphaltic concrete aggregates and other bituminous mixtures	542	1,990	3.67
Road base and coverings	625	2,970	4.75
Fill	612	2,380	3.89
Snow and ice control	313	1,530	4.90
Filtration	54	414	7.67
Other	123	522	4.24
Unspecified: ²			
Actual	1,070	3,450	3.22
Estimated	1,530	11,500	7.53
Total or average	5,420	28,000	5.18

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

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

²Includes production reported without a breakdown by end use and estimates for nonrespondents.



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