

THE MINERAL INDUSTRY OF CONNECTICUT

This chapter has been prepared under a Memorandum of Understanding between the U.S. Geological Survey and the Connecticut Geological and Natural History Survey for collecting information on all nonfuel minerals.

In 1999, the preliminary estimated value¹ of nonfuel mineral production for Connecticut was \$102 million, according to the U.S. Geological Survey (USGS). This was about a 3% increase

¹The terms "nonfuel mineral production" and related "values" encompass variations in meaning, depending upon 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 1999 USGS mineral production data published in this chapter are preliminary estimates as of May 2000, and are expected to change. For some mineral commodities, such as, 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. A telephone listing for the specialists may be retrieved over the Internet at URL <http://minerals.usgs.gov/minerals/contacts/comdir.html>, by using MINES FaxBack at (703) 648-4999 from a fax machine with a touch-tone handset (request Document #1000 from a telephone listing of all mineral commodity specialists), or by calling USGS information at (703) 648-4000 for the specialist's name and number. All Mineral Industry Surveys—mineral commodity, State, and country—also may be retrieved over the Internet at URL <http://minerals.usgs.gov/minerals>; facsimile copies may be obtained from MINES FaxBack.

from that of 1998,² and followed a 23% increase from 1997 to 1998. Crushed stone and construction sand and gravel, the leading nonfuel mineral commodities by value, accounted for nearly all of the State's total nonfuel mineral production and value. In 1999, a \$5 million increase in the value of crushed stone, somewhat offset a \$2 million decrease in the value of construction sand and gravel, led to the increase for the year. The values of common clay and gemstones slightly increased, and the value of dimension stone (not included in table 1 to protect proprietary data) remained the same. In 1998, Connecticut's increase in value mostly resulted from a \$14.1 million increase in crushed stone and a more than \$4 million rise in construction sand and gravel (table 1).

²Values, percentage calculations, and rankings for 1998 may vary from the Minerals Yearbook, Area Reports: Domestic 1998, Volume II, owing to the revision of preliminary 1998 to final 1998 data. Data for 1999 are preliminary and are expected to change; related rankings may also be subject to change.

TABLE 1
NONFUEL RAW MINERAL PRODUCTION IN CONNECTICUT 1/ 2/

(Thousand metric tons and thousand dollars)

Mineral	1997		1998		1999 p/	
	Quantity	Value	Quantity	Value	Quantity	Value
Clays: Common	48	90	55	W	57	W
Gemstones	NA	5	NA	5	NA	6
Sand and gravel: Construction	5,410	24,800	6,380	29,200	5,810	27,100
Stone: Crushed	5,760	55,300	7,660	69,400	8,000	74,400
Total 3/	XX	80,200	XX	98,700	XX	102,000

p/ Preliminary. NA Not available. W Withheld to avoid disclosing company proprietary data. XX Not applicable.

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

2/ Data are rounded to no more than three significant digits; may not add to totals shown.

3/ Partial total, excludes values of stone (dimension) and values indicated by symbol W that must be concealed to avoid disclosing company proprietary data.

TABLE 2
CONNECTICUT: CRUSHED STONE SOLD OR USED, BY KIND 1/

Kind	1997				1998			
	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Unit value	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Unit value
Limestone	5 r/	W	W	\$6.95 r/	5	1,070	\$8,350	\$7.82
Dolomite	1 r/	W	W	22.47 r/	1	W	W	18.68
Granite	5 r/	181 r/	\$1,350	6.76 r/	4	W	W	7.27
Traprock	8	4,180	35,000	7.60 r/	10	5,930	50,100	8.45
Miscellaneous stone	2	W	W	13.27 r/	1	W	W	7.00
Total or average	XX	5,760	55,300	8.71	XX	7,660	69,400	9.06

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

1/ Data are rounded to no more than three significant digits, except unit value; may not add to totals shown.

TABLE 3
CONNECTICUT: CRUSHED STONE SOLD OR USED BY PRODUCERS
IN 1998, BY USE 1/ 2/

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Coarse aggregate (+1 1/2 inch):			
Riprap and jetty stone	W	W	\$14.30
Filter stone	W	W	16.38
Coarse aggregate, graded: Other graded coarse aggregate	10	\$159	15.92
Fine aggregate (-3/8 inch):			
Stone sand, concrete	W	W	16.67
Screening, undesignated	W	W	16.19
Coarse and fine aggregates:			
Graded road base or subbase	(3/)	(3/)	6.64
Unpaved road surfacing	(3/)	(3/)	6.94
Crusher run or fill or waste	(3/)	(3/)	6.50
Other construction materials	64	439	7.28
Agricultural: Agricultural limestone	42	425	10.11
Special:			
Asphalt fillers or extenders	W	W	12.50
Other fillers or extenders	W	W	33.08
Unspecified: 4/			
Actual	6,730	56,200	8.35
Estimated	356	2,790	7.83
Total or average	7,660	69,400	9.06

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

1/ Data are rounded to no more than three significant digits, except unit value; may not add to totals shown.

2/ Includes dolomite, granite, limestone, miscellaneous stone, and traprock.

3/ Withheld to avoid disclosing company proprietary data; included with "Other construction materials."

4/ Reported and estimated production without a breakdown by end use.

TABLE 4
CONNECTICUT: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 1998,
BY MAJOR USE CATEGORY 1/ 2/

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Concrete aggregate and concrete products 3/	1,060	\$6,710	\$6.35
Asphaltic concrete aggregates and other bituminous mixtures	114	747	6.55
Road base and coverings 4/	804	4,970	6.18
Fill	211	711	3.37
Snow and ice control	217	1,250	5.74
Other miscellaneous uses	1	11	11.00
Filtration	1	9	9.00
Unspecified: 5/			
Actual	1,030	3,260	3.18
Estimated	2,950	11,600	3.92
Total or average	6,380	29,200	4.58

1/ To avoid disclosing company proprietary data, no district tables were produced for 1998.

2/ Data are rounded to three significant digits, except unit value; may not add to totals shown.

3/ Includes plaster and gunite sands.

4/ Includes road and other stabilization (cement).

5/ Reported and estimated production without a breakdown by end use.