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2007 Minerals Yearbook

CONNECTICUT [ADVANCE RELEASE]

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U.S. Geological Survey

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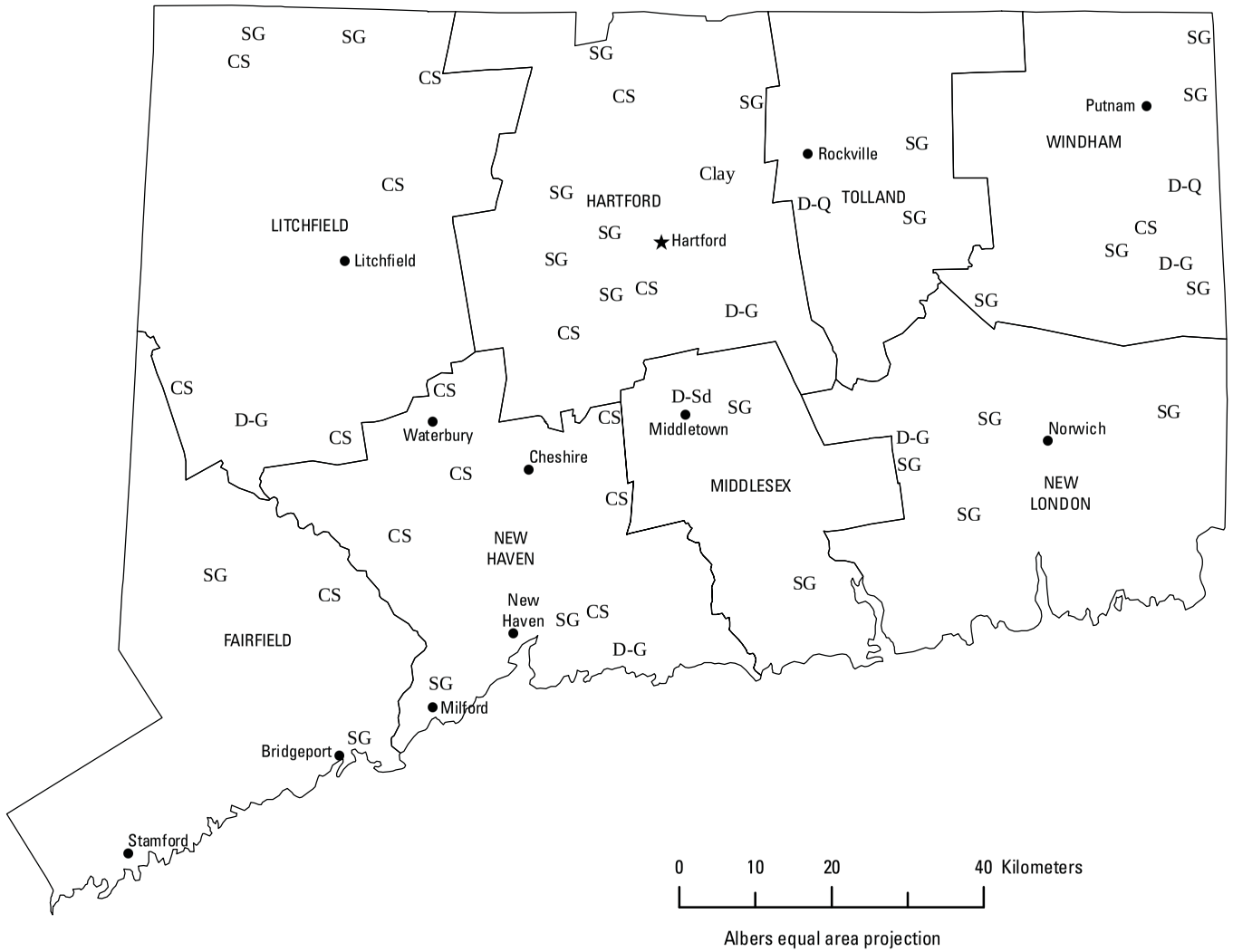
CONNECTICUT



LEGEND

- County boundary
- ★ Capital
- ● City

MINERAL SYMBOLS (Major producing areas)

Clay	Common clay
CS	Crushed stone
D-G	Dimension granite
D-Q	Dimension quartzite
D-Sd	Dimension sandstone
SG	Construction sand and gravel

Source: Connecticut Geological and Natural History Survey/U.S. Geological Survey (2007).

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 2007, Connecticut's nonfuel raw mineral production[1] was valued at about $166 million, based upon annual U.S. Geological Survey (USGS) data. This was a $9 million, or 5%, decrease from the State's total nonfuel value of 2006, following a $14 million, or 8.7%, increase from 2005 to 2006. Because data for dimension stone (mostly quartzite) and common clays were withheld (company proprietary data), the actual total values for 2005–07 are higher than those reported in table 1.

Crushed stone and construction sand and gravel, the leading nonfuel mineral commodities by value, accounted for nearly all the State's total nonfuel mineral production and value. In 2007, the unit values of each of these mineral commodities showed small increases, but a more than 12% decrease in the production of crushed stone and a 5.5% decrease in the production of construction sand and gravel led to decreases in their production values of $6.6 million and $2.2 million, respectively. The value of common clays also was down, while the production and value of dimension stone and gemstones were the same as that of 2006 (table 1).

The following narrative information was provided by the Connecticut Geological and Natural History Survey[2] (CGNHS). In 2007, the CGNHS completed an update of its listing and the location of all of the State's active stone quarries, the large majority of the work being performed in 2007. All sites were field checked and Global Positioning System coordinates were recorded. (Sand and gravel operations were not included in updates completed through 2007.) As part of a multiyear effort, fieldwork for 2008 primarily included historic mining sites. Based upon this completed update, in 2007, Connecticut had 46 active stone quarries and one clay pit, all surface mining sites. Thirty-three of the sites were crushed stone, composed of basalt, marble, or gneiss, and 13 of them were dimension stone, including those of granite, gneiss, and quartzite, others being sedimentary rocks.

[1]The terms "nonfuel mineral production" and related "values" encompass variations in meaning, depending upon the 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 2007 USGS mineral production data published in this chapter are those available as of June 2009. All USGS Mineral Industry Surveys and USGS Minerals Yearbook chapters—mineral commodity, State, and country—can be retrieved over the Internet at URL http://minerals.usgs.gov/minerals.

[2]Margaret A. Thomas, State Geologist and Environmental Analyst with the Connecticut Geological and Natural History Survey, authored the text of the State mineral industry information provided by that agency.

TABLE 1
NONFUEL RAW MINERAL PRODUCTION IN CONNECTICUT[1, 2]

(Thousand metric tons and thousand dollars)

Mineral	2005		2006		2007	
	Quantity	Value	Quantity	Value	Quantity	Value
Clays, common	89	W	85	W	36	W
Gemstones	NA	6	NA	6	NA	6
Sand and gravel, construction	8,400	64,200	8,780	75,600	8,290	73,400
Stone:						
Crushed	10,500	96,600	10,800 r	99,000 r	9,440	92,400
Dimension	W	W	W	W	XX	W
Total	XX	161,000	XX	175,000 r	XX	166,000

rRevised. 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.

TABLE 2

CONNECTICUT: CRUSHED STONE SOLD OR USED, BY TYPE[1]

Type	2006 Number of quarries	2006 Quantity (thousand metric tons)	2006 Value (thousands)	2007 Number of quarries	2007 Quantity (thousand metric tons)	2007 Value (thousands)
Limestone[2]	6 r	1,620 r	$15,100 r	6	1,240	$12,500
Marble	1	134	1,160	1	318	2,590
Granite	8 r	921 r	8,140 r	7	412	4,150
Traprock	9 r	7,810 r	72,200 r	10	7,220	70,700
Miscellaneous stone	3 r	277 r	2,390 r	3	250	2,450
Total	XX	10,800 r	99,000 r	XX	9,440	92,400

rRevised. XX Not applicable.

[1]Data are rounded to no more than three significant digits; may not add to totals shown.

[2]Includes limestone-dolomite reported with no distinction between the two.

TABLE 3

CONNECTICUT: CRUSHED STONE SOLD OR USED BY PRODUCERS IN 2007, BY USE[1]

(Thousand metric tons and thousand dollars)

Use	Quantity	Value
Construction:		
Coarse aggregate (+1½ inch):		
Riprap and jetty stone	27	266
Other coarse aggregate	46	612
Coarse aggregate, graded:		
Concrete aggregate, coarse	W	W
Bituminous aggregate, coarse	W	W
Other graded coarse aggregate	463	5,850
Fine aggregate (-⅜ inch):		
Stone sand, concrete	W	W
Stone sand, bituminous mix or seal	W	W
Screening, undesignated	W	W
Other fine aggregate	137	1,960
Coarse and fine aggregates:		
Graded road base or subbase	361	2,560
Unpaved road surfacing	W	W
Other coarse and fine aggregates	192	1,960
Other construction materials	9	69
Agriculture, limestone	W	W
Unspecified:[2]		
Reported	6,430	63,000
Estimated	1,300	13,000
Total	9,440	92,400

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

[1]Data are rounded to no more than three significant digits; may not add to totals shown.

[2]Reported and estimated production without a breakdown by end use.

TABLE 4
CONNECTICUT: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 2007,
BY MAJOR USE CATEGORY[1]

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Concrete aggregate and concrete products	1,050	$11,000	#####
Asphaltic concrete aggregates and road base materials[2]	698	4,890	7.01
Fill	267	1,540	5.76
Snow and ice control[3]	134	1,630	12.17
Unspecified:[4]			
Reported	1,110	9,140	8.22
Estimated	5,030	45,200	8.99
Total or average	8,290	73,400	8.86

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

[2]Includes road and other stabilization (lime).

[3]Includes filtration.

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