2010–2011 Minerals Yearbook

CONNECTICUT [ADVANCE RELEASE]

U.S. Department of the Interior
U.S. Geological Survey

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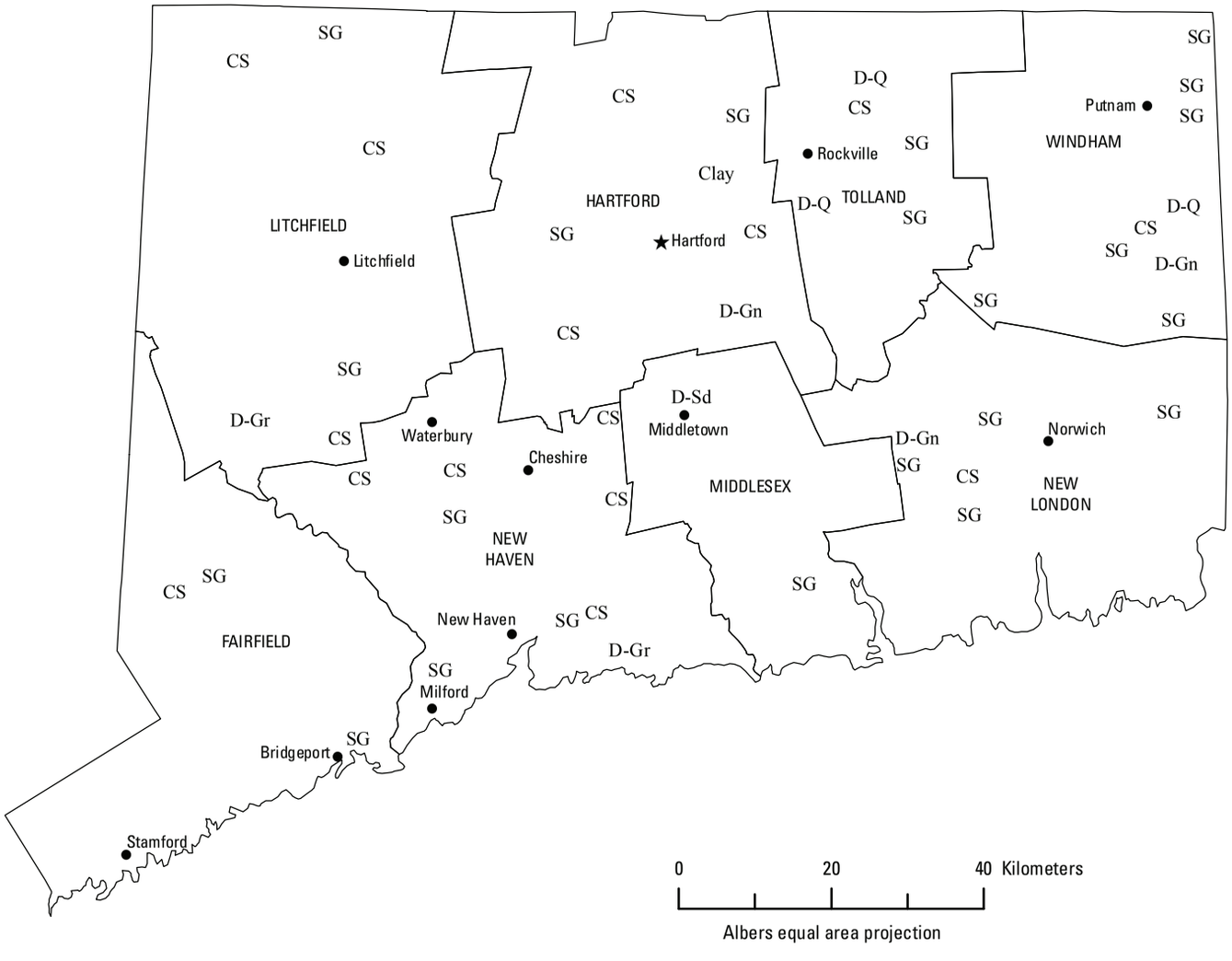
CONNECTICUT



LEGEND

County boundary
★ Capital
● City

MINERAL SYMBOLS
(Principal producing areas)

Clay	Common clay
CS	Crushed stone
D-Gn	Dimension gneiss
D-Gr	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 (2010–11).

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 2011, Connecticut's nonfuel mineral production[1] was valued at $156 million, based upon U.S. Geological Survey (USGS) data. This was an $8 million (5%) increase from the State's total nonfuel mineral production value of $148 million in 2010, which followed a $16 million (9.8%) decrease from the total production value of $164 million in 2009. In 2011, the State remained 43d among the 50 States in total nonfuel mineral production value for the fifth consecutive year and accounted for less than 1% of the U.S. total nonfuel mineral production of $74.7 billion. The actual total production values for 2010 and 2011 are higher than those reported in table 1 because data for common clays and dimension stone were withheld to avoid disclosing company proprietary data in each of those years. On a per capita basis, Connecticut ranked 46th in the Nation in nonfuel mineral production in 2011 with a value of $44, well below the national average of $240.

[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 USGS mineral production data published in this chapter are those available as of May 2013. Data in this report are rounded to three significant digits and percentages are calculated from unrounded data. All USGS Mineral Industry Surveys and USGS Minerals Yearbook chapters—mineral commodity, State, and country—can be retrieved over the Internet at http://minerals.usgs.gov/minerals.

In 2011 and 2010, crushed stone and construction sand and gravel were the State's leading nonfuel mineral commodities by production quantity and value and accounted for more than 99% of the State's reportable total nonfuel mineral production value. In 2011, crushed stone was the leading mineral commodity in the State with a production value of $101 million. Although production increased in 2011 by less than 1%, crushed stone had the largest increase in value, by $8.4 million (9%), from 2010, primarily due to higher transportation costs. In 2010, crushed stone decreased in total production value by $9.3 million (9%), to less than $93 million from $102 million in 2009. This decrease in production value was partially due to an 11% decrease in the quantity of crushed stone produced. In 2011, the production value of construction sand and gravel decreased for the fifth consecutive year, to $54.6 million, as production decreased by 7%, following a 4% increase in production in 2010. In 2010, common clay increased in production value before production value decreased in 2011 due to lower demand (actual data withheld—company propriety data). From 2009 to 2010, production quantity and value of dimension stone dropped by over 50% and remained unchanged, in part due to price fluctuations in 2011 (actual data withheld—company propriety data).

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

(Thousand metric tons and thousand dollars)

Mineral	2009		2010		2011	
	Quantity	Value	Quantity	Value	Quantity	Value
Clays, common	20	224	W	W	W	W
Gemstones, natural	NA	7	NA	7	NA	7
Sand and gravel, construction	5,700 r	61,000 r	5,910	55,300	5,510	54,600
Stone:						
Crushed	8,160 r	102,000 r	7,270	92,900	7,310	101,000
Dimension	W	W	W	W	W	W
Total	XX	164,000 r	XX	148,000	XX	156,000

[r]Revised. NA Not available. W Withheld to avoid disclosing company proprietary data; excluded from "Total." 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 IN THE UNITED STATES, BY TYPE[1]

Type	2009				2010				2011			
	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Unit value	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Unit value	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Unit value
Limestone[2]	6	1,160	$23,800	$20.58	6	1,180	$22,600	$19.24	6	1,150	$23,700	$20.57
Marble	--	--	--	--	1	181	2,540	14.00	1	210	2,940	14.00
Granite	10	422 r	4,480 r	10.62	9	526	5,500	10.46	9	578	7,520	13.00
Traprock	11	5,110	56,300	11.03	11	4,450	50,300	11.31	11	4,540	56,500	12.45
Miscellaneous stone	11	1,470 r	17,700 r	12.00	7	941	11,900	12.70	7	834	10,700	12.79
Total or average	XX	8,160	102,000 r	12.54	XX	7,270	92,900	12.78	XX	7,310	101,000	13.86

[r]Revised. XX Not applicable. -- Zero

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

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

TABLE 3
CONNECTICUT: CRUSHED STONE SOLD OR USED BY PRODUCERS
IN 2010, BY USE[1]

(Thousand metric tons and thousand dollars)

Use	Quantity	Value
Construction:		
Coarse aggregate (+1½ inch):		
Riprap and jetty stone	32	$362
Filter stone	W	W
Other coarse aggregate	W	W
Coarse aggregate, graded:		
Concrete aggregate, coarse	148	1,730
Bituminous aggregate, coarse	87	648
Bituminous surface-treatment aggregate	101	750
Railroad ballast	21	153
Other graded coarse aggregate	214	3,440
Fine aggregate (-⅜ inch):		
Stone sand, concrete	64	980
Stone sand, bituminous mix or seal	20	300
Screening, undesignated	W	W
Other fine aggregate	88	1,440
Coarse and fine aggregates:		
Graded road base or subbase	238	1,870
Unpaved road surface	W	W
Crusher run or fill or waste	W	W
Roofing granules	W	W
Other coarse and fine aggregates	W	W
Other construction materials	W	W
Agricultural, agricultural limestone	9	92
Unspecified:[2]		
Reported	4,110	46,500
Estimated	1,430	17,600
Total	7,270	92,900

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: CRUSHED STONE SOLD OR USED BY PRODUCERS
IN 2011, BY USE[1]

(Thousand metric tons and thousand dollars)

Use	Quantity	Value
Construction:		
Coarse aggregate (+1½ inch), riprap and jetty stone	12	81
Coarse aggregate, graded:		
Concrete aggregate, coarse	61	469
Bituminous aggregate, coarse	68	523
Bituminous surface-treatment aggregate	102	789
Railroad ballast	23	174
Fine aggregate (-⅜ inch):		
Stone sand, bituminous mix or seal	6	50
Screening, undesignated	W	W
Coarse and fine aggregates:		
Graded road base or subbase	122	944
Roofing granules	W	W
Unspecified coarse and fine aggregates	15	334
Unspecified and other construction materials	W	W
Unspecified:[2]		
Reported	3,600	46,400
Estimated	2,900	37,300
Total	7,310	101,000

W Withheld to avoid disclosing company proprietary data; included in "Total."
[1]Data are rounded to no more than three significant digits.
[2]Reported and estimated production without a breakdown by end use.

TABLE 5
CONNECTICUT: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 2010,
BY MAJOR USE CATEGORY[1]

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Concrete aggregate and concrete products	875	$6,480	$7.41
Asphaltic concrete aggregates	28	282	10.07
Road base and coverings	232	2,650	
Fill	162	1,160	7.15
Other miscellaneous uses[2]	63	775	12.30
Unspecified:[3]			
Reported	469	4,260	9.09
Estimated	4,080	39,600	9.72
Total or average	5,910	55,300	9.36

[1]Data are rounded to no more than three significant digits, except unit value; may not add to totals shown.
[2]Includes filtration, railroad ballast, and snow and ice control.
[3]Reported and estimated production without a breakdown by end use.

TABLE 6
CONNECTICUT: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 2011,
BY MAJOR USE CATEGORY[1]

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Concrete aggregate and concrete products	602	$6,430	$10.68
Asphaltic concrete aggregates	27	267	9.89
Road base and coverings	225	2,630	11.69
Fill	210	1,340	6.38
Other miscellaneous uses[2]	100	2,160	21.60
Unspecified:[3]			
Reported	244	2,250	9.22
Estimated	4,100	39,500	9.63
Total or average	5,510	54,600	9.91

[1]Data are rounded to no more than three significant digits, except unit value; may not add to totals shown.
[2]Includes filtration, railroad ballast, and snow and ice control.
[3]Reported and estimated production without a breakdown by end use.