2010–2011 Minerals Yearbook

NEW HAMPSHIRE [ADVANCE RELEASE]

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U.S. Geological Survey

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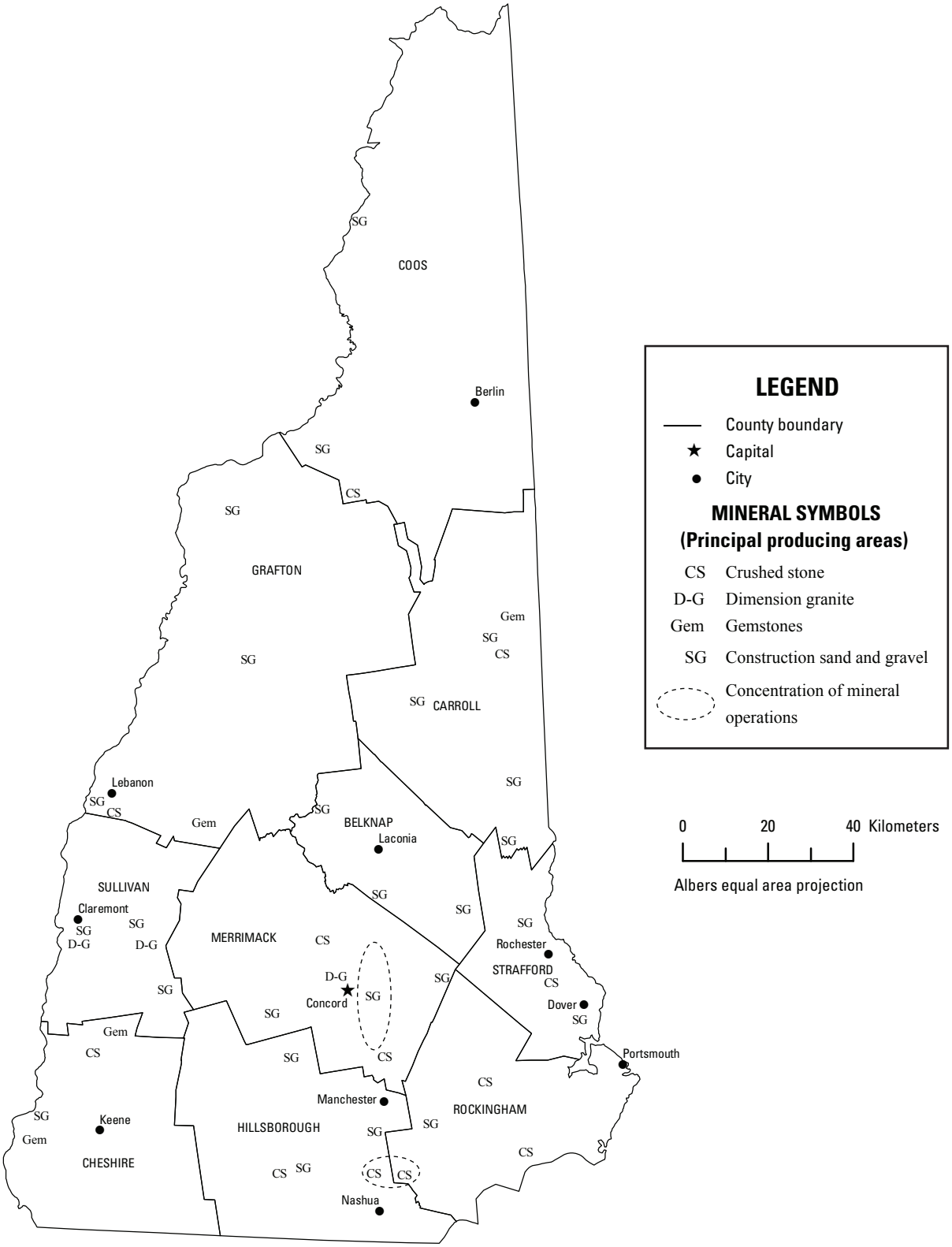
NEW HAMPSHIRE



Source: New Hampshire Geological Survey/U.S. Geological Survey (2010–11).

The Mineral Industry of New Hampshire

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

In 2011, New Hampshire's publishable nonfuel mineral production[1] was valued at $99.7 million, based upon annual U.S. Geological Survey (USGS) data. This was a $5.2 million (5.5%) increase from the State's total of $94.6 million in 2010, which followed a $13.5 million (12.5%) decrease from $108 million in 2009. However, because data for dimension stone have been withheld to avoid disclosing company proprietary data, the State's actual total nonfuel mineral production values for 2010 and 2011 are higher than those reported in table 1. New Hampshire ranked 48th among the 50 States in nonfuel mineral production value, accounting for slightly more than one-tenth of 1% of the Nation's total nonfuel mineral production value of $74.7 billion. On a per capita basis, the State ranked 41st with a value of $76; the national average was $240.

In 2010 and 2011, construction sand and gravel and crushed stone continued to be the State's leading nonfuel mineral commodities by value, and accounted for more than 99% of the State's reportable nonfuel mineral production value. In 2011, crushed stone had the largest increase in production value, up by $6.3 million (16%), and production quantity increased 15% to more than 5 million metric tons (Mt). In 2011, the production value and production quantity of construction sand and gravel decreased by $1.1 million (2%) and by 354,000 metric tons (t) (5%), respectively. The production value of dimension stone increased by more than 7%, although production quantity was virtually unchanged. In 2010, all mineral commodities produced in the State, except gemstones, decreased in production quantity and production value. Crushed stone had the largest decrease in production value, by $7.9 million (almost 17%), and production quantity, by 413,000 t (more than 8%). Although construction sand and gravel production quantity decreased by 437,000 t (more than 6%), its production value decreased by $728,000 (less than 2%). The production quantity and production value of dimension stone decreased in 2010. New Hampshire continued to be a significant producer of dimension stone (granite), ranking 13th and 14th in 2010 and 2011, respectively, among 36 producing States in 2010 and 37 in 2011.

[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.

TABLE 1

NONFUEL RAW MINERAL PRODUCTION IN NEW HAMPSHIRE[1, 2]

(Thousand metric tons and thousand dollars)

Mineral	2009		2010		2011	
	Quantity	Value	Quantity	Value	Quantity	Value
Gemstones, natural	NA	7	NA	7	NA	7
Sand and gravel, construction	7,050 r	56,300 r	6,620	55,600	6,260	54,500
Stone:						
Crushed	4,780 r	46,800 r	4,370	38,900	5,030	45,200
Dimension, granite	35	4,880	W	W	W	W
Total	XX	108,000	XX	94,600	XX	99,700

[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

NEW HAMPSHIRE: 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
Granite	13	2,720	$27,000	$9.92	12	2,200	$18,800	$8.52	12	2,900	$25,400	$8.77
Traprock	8	1,630 r	16,400 r	10.07	8	1,550	14,500	9.34	8	1,590	15,200	9.58
Sandstone and quartzite[2]	--	--	--	--	2	215	2,160	10.05	2	164	1,450	8.82
Miscellaneous stone	6 r	452 r	4,280 r	9.46	6	397	3,510	8.82	6	381	3,140	8.26
Total or average	XX	4,780 r	46,800 r	9.93	XX	4,370	38,900	8.92	XX	5,030	45,200	8.99

[r]Revised. XX Not applicable.

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

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

TABLE 3
NEW HAMPSHIRE 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	72	1,030
Filter stone	39	427
Coarse aggregate, graded:		
Concrete aggregate, coarse	98	1,240
Bituminous aggregate, coarse	W	W
Fine aggregate (-⅜ inch):		
Stone sand, concrete	94	867
Stone sand, bituminous mix or seal	298	3,810
Screening, undesignated	241	1,650
Coarse and fine aggregates:		
Graded road base or subbase	W	W
Unpaved road surface	93	767
Terrazzo and exposed aggregate	2	24
Crusher run or fill or waste	320	1,210
Unspecified:[2]		
Reported	1,110	9,880
Estimated	1,470	14,700
Total	4,370	38,900

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
NEW HAMPSHIRE: 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	50	309
Filter stone	10	143
Unspecified coarse aggregate	88	600
Coarse aggregate, graded:		
Concrete aggregate, coarse	W	W
Bituminous aggregate, coarse	410	3,910
Fine aggregate (-⅜ inch):		
Stone sand, bituminous mix or seal	W	W
Screening, undesignated	9	60
Coarse and fine aggregates:		
Graded road base or subbase	148	1,220
Unpaved road surface	W	W
Crusher run or fill or waste	75	591
Unspecified:[2]		
Reported	2,460	21,300
Estimated	1,230	10,800
Total	5,030	45,200

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
NEW HAMPSHIRE: 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[2]	448	$4,260	$9.51
Asphaltic concrete aggregates and other bituminous mixtures	445	5,170	11.62
Road base and coverings	668	5,350	8.01
Fill	392	1,450	3.70
Snow and ice control	60	522	8.70
Other miscellaneous uses[3]	69	852	12.35
Unspecified:[4]			
Reported	148	1,500	10.14
Estimated	4,160	35,200	8.48
Total or average[5]	6,620	55,600	8.51

[1]Data are rounded to no more than three significant digits, except unit value; may not add to totals shown.
[2]Includes plaster and gunite sand.
[3]Includes filtration, railroad ballast, and roofing granules.
[4]Reported and estimated production without a breakdown by end use.
[5]Data in this table may not add up to the totals shown, owing to revisions made after the production of the table, and (or) proprietary data being withheld.

TABLE 6
NEW HAMPSHIRE: 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[2]	292	$2,790	$9.55
Asphaltic concrete aggregates and other bituminous mixtures	199	2,300	11.56
Road base and coverings[3]	741	6,310	8.52
Fill	407	1,570	3.86
Snow and ice control	62	550	8.87
Other miscellaneous uses[4]	55	649	11.80
Unspecified:[5]			
Reported	811	8,060	9.94
Estimated	3,700	32,300	8.73
Total or average	6,260	54,500	8.71

[1]Data are rounded to no more than three significant digits, except unit value; may not add to totals shown.
[2]Includes plaster and gunite sands.
[3]Includes road and other stabilization (cement and lime).
[4]Includes filtration, railroad ballast, and roofing granules.
[5]Reported and estimated production without a breakdown by end use.