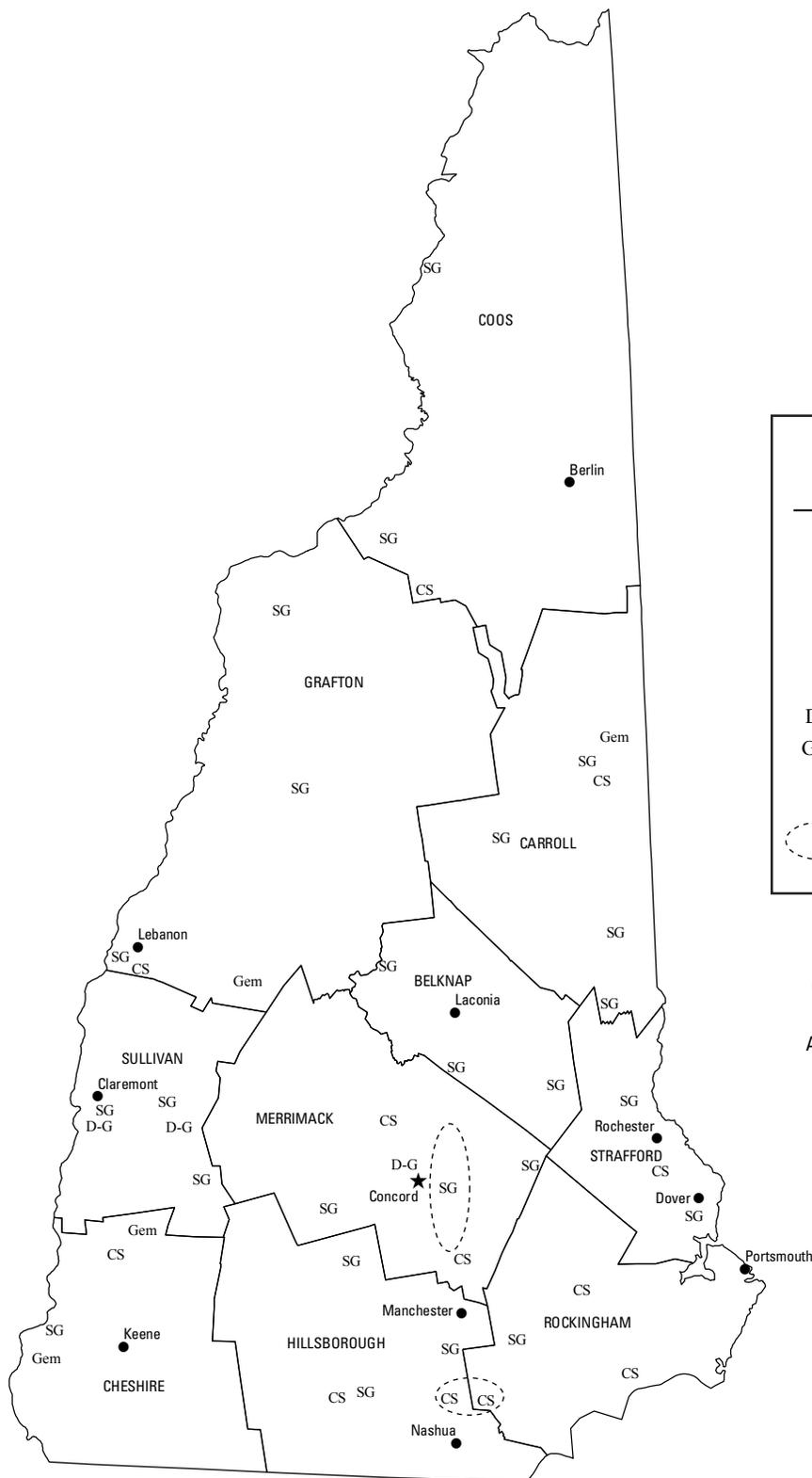




2012–2013 Minerals Yearbook

NEW HAMPSHIRE

NEW HAMPSHIRE

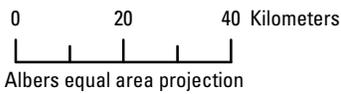


LEGEND

- County boundary
- ★ Capital
- City

**MINERAL SYMBOLS
(Principal producing areas)**

- CS Crushed stone
- D-G Dimension granite
- Gem Gemstones
- SG Construction sand and gravel
- Concentration of mineral operations



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 2013, the value of the nonfuel mineral production¹ in the State of New Hampshire increased to \$96.1 million, 0.13% of the total U.S. nonfuel mineral production, ranking it 48th in the Nation. In 2012, the corresponding value was \$95.0 million, 0.12% of the U.S. total nonfuel mineral production, again ranking it 48th among the 50 States. In 2013, on a per capita basis, nonfuel mineral production in New Hampshire had a value of \$73 compared with the national average of \$238. In 2012, the per capita value was \$67 compared with the national average of \$241.

The value of nonfuel mineral production in New Hampshire for the years 2006 through 2013 was as follows (in millions of dollars): \$125 (2006), \$124 (2007), \$107 (2008), \$108 (2009), \$94.6² (2010), \$99.6² (2011), \$95.0 (2012), and \$96.1 (2013).

In 2013, there were 526 employees in nonfuel mineral mines in New Hampshire and 27 in mills and preparation plants. In 2012, the corresponding numbers were 526 in nonfuel mineral mines and 25 in mills and preparation plants (U.S. Mine Safety and Health Administration, 2013, p. 12; 2014, p. 12). In 2013, the average annual wage in New Hampshire for all mining and mining support industries was \$53,512 compared with \$49,444 for all industries. Wage statistics were not available for 2012 (New Hampshire Economic and Labor Market Information Bureau, 2013a, p. 1; 2013b, p. 1; 2013c, p. 1; 2013d, p. 1).

In 2013, New Hampshire produced construction sand and gravel, crushed stone, dimension stone, and gemstones (natural) in descending order of value (table 1). Known as the “Granite State,” most crushed stone was granite (table 2), and the majority of the dimension stone produced in the State was granite. The largest quarry in the State produced about 100,000 linear meters of street curbing per year, its main product (New Hampshire Folklife, 2014). In both 2012 and 2013, this quarry also ranked as one of the five leading producers of granite dimension stone in the Nation (Dolley, 2014, 2015).

¹The 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 February 2016. 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>.

²Partial total; excludes values that must be withheld to avoid disclosing company proprietary data.

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TABLE 1
NONFUEL MINERAL PRODUCTION IN NEW HAMPSHIRE^{1,2}

(Thousand metric tons and thousand dollars)

Mineral	2011		2012		2013	
	Quantity	Value	Quantity	Value	Quantity	Value
Gemstones, natural	NA	7	NA	7	NA	7
Sand and gravel, construction	6,270 ^r	54,400 ^r	7,040	50,800	6,270	48,300
Stone:						
Crushed	5,030	45,200	4,630	39,800	4,890	43,300
Dimension	W	W	32	4,370	34	4,510
Total	XX	99,600 ^r	XX	95,000	XX	96,100

^rRevised. NA Not available. W Withheld to avoid disclosing company proprietary data; excluded from "Total." XX Not applicable.

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

²Data 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 TYPE¹

Type	2012				2013			
	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Unit value	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Unit value
Limestone ²	1	84	\$745	\$8.82	1	65	\$573	\$8.82
Granite	13	1,920	16,100	8.40	14	2,480	22,500	9.07
Traprock	9	2,150	18,900	8.80	8	1,690	15,400	9.11
Sandstone and quartzite ³	2	231	2,030	8.82	2	192	1,690	8.82
Miscellaneous stone	5	244	2,020	8.29	5	472	3,220	6.81
Total or average	XX	4,630	39,800	8.61	XX	4,890	43,300	8.85

XX Not applicable.

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

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

³Includes sandstone-quartzite reported with no distinction between the two kinds of stone.

TABLE 3
NEW HAMPSHIRE: CRUSHED STONE SOLD OR USED BY PRODUCERS, BY USE¹

Use	2012			2013		
	Quantity (thousand metric tons)	Value (thousands)	Unit value	Quantity (thousand metric tons)	Value (thousands)	Unit value
Construction:						
Coarse aggregate (+1½ inch):						
Riprap and jetty stone	23	\$140	\$6.08	45	\$358	\$8.03
Filter stone	W	W	W	--	--	--
Unspecified coarse aggregate	25	200	8.00	--	--	--
Coarse aggregate, graded:						
Concrete aggregate, coarse	W	W	W	--	--	--
Bituminous aggregate, coarse	W	W	W	591	5,510	9.32
Unspecified graded coarse aggregate	W	W	W	W	W	W
Fine aggregate (-¾ inch):						
Stone sand, concrete	1	8	7.67	--	--	--
Stone sand, bituminous mix or seal	318	2,720	8.56	221	2,150	9.72
Screening, undesignated	W	W	W	--	--	--
Unspecified fine aggregate	W	W	W	W	W	W
Coarse and fine aggregates:						
Graded road base or subbase	352	2,870	8.16	158	1,450	9.13
Crusher run or fill or waste	49	493	10.07	18	80	4.41
Unspecified coarse and fine aggregates	W	W	W	--	--	--
Other miscellaneous uses and specified uses not listed	--	--	--	--	--	--
Unspecified: ²						
Reported	716	6,360	8.88	1,310	11,800	9.05
Estimated	2,330	20,200	8.69	2,390	20,400	8.52
Total or average	4,630	39,800	8.61	4,890	43,300	8.85

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

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

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

TABLE 4
NEW HAMPSHIRE: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 2012,
BY MAJOR USE CATEGORY¹

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Concrete aggregate and concrete products ²	402	\$4,120	\$10.25
Asphaltic concrete aggregates and other bituminous mixtures	493	3,090	6.27
Road base and coverings	844	5,950	7.05
Road and other stabilization (cement)	124	762	6.15
Road and other stabilization (lime)	48	212	4.42
Fill	391	1,560	3.99
Snow and ice control	55	499	9.07
Filtration	17	189	11.12
Golf Course	17	189	11.12
Other miscellaneous uses	16	189	11.81
Unspecified: ³			
Reported	380	3,290	8.66
Estimated	4,250	30,800	7.25
Total or average	7,040	50,800	7.22

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

²Includes plaster and gunite sands.

³Reported and estimated production without a breakdown by end use.

TABLE 5
NEW HAMPSHIRE: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 2013,
BY MAJOR USE CATEGORY¹

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Concrete aggregate and plaster gunite sands	157	\$1,990	\$12.65
Asphaltic concrete aggregates and road base coverings	859	6,220	7.24
Fill	259	952	3.68
Snow and ice control	36	301	8.36
Filtration	24	272	11.33
Golf Course	24	272	11.33
Unspecified: ²			
Reported	599	5,740	9.58
Estimated	4,310	32,500	7.55
Total or average	6,270	48,300	7.70

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

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