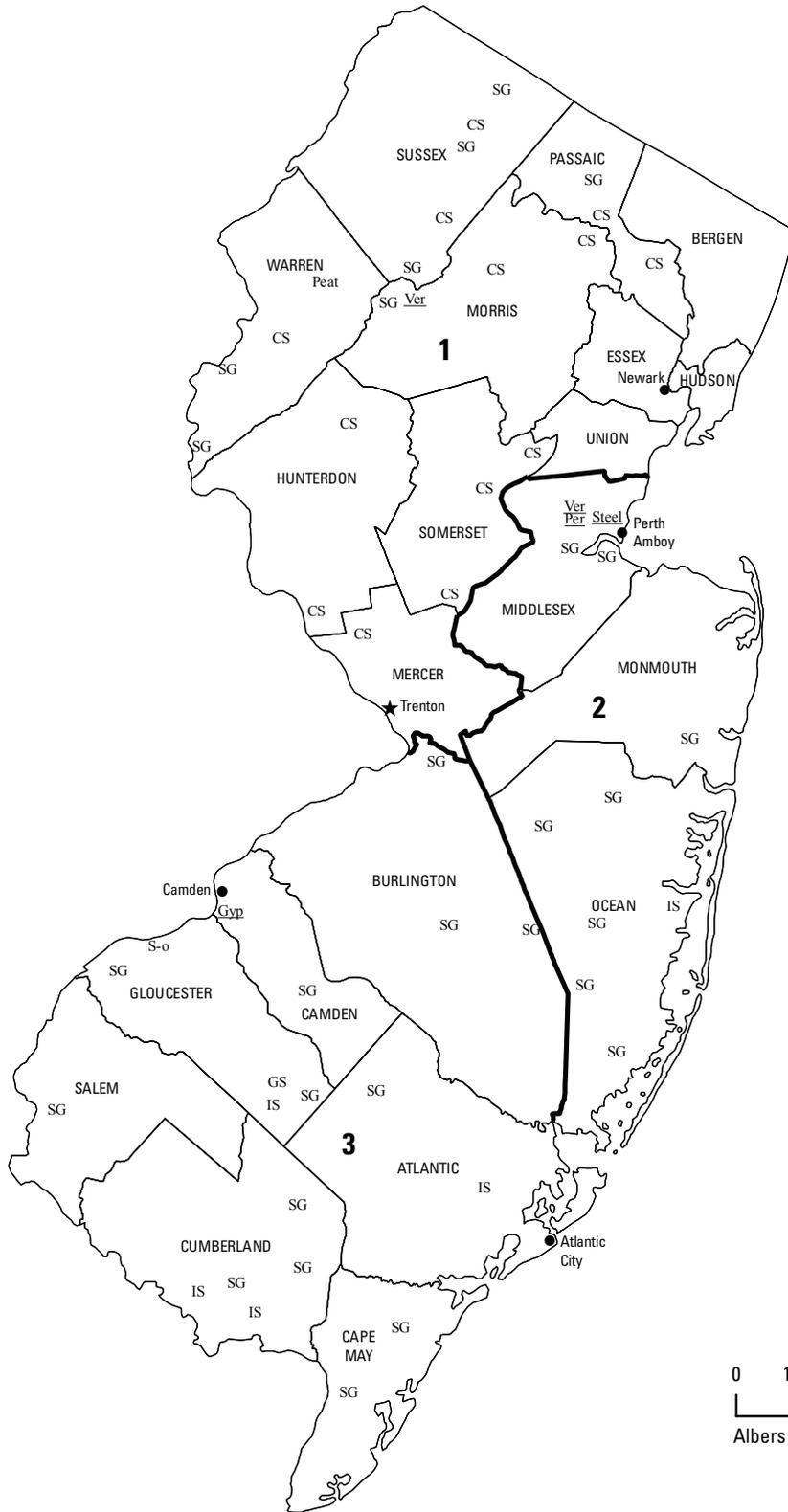




2009 Minerals Yearbook

NEW JERSEY [ADVANCE RELEASE]

NEW JERSEY



LEGEND

— County boundary

★ Capital

● City

1 — Crushed stone/sand and gravel district boundary

**MINERAL SYMBOLS
(Principal producing areas)**

CS Crushed stone

GS Greensand

Gyp Gypsum plant

IS Industrial sand

Peat Peat

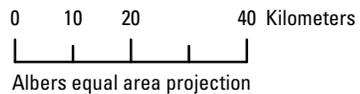
Per Perlite plant

S-o Sulfur (oil)

SG Construction sand and gravel

Steel Steel plant

Ver Vermiculite plant



THE MINERAL INDUSTRY OF NEW JERSEY

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

In 2009, New Jersey's nonfuel raw mineral production¹ was valued at \$270 million, based upon annual U.S. Geological Survey (USGS) data. This was a \$69 million, or 20%, decrease from the State's total nonfuel mineral value of \$339 million in 2008, which had decreased by 1% from the total of \$343 million in 2007. The State continued to rank 37th among the 50 States in total nonfuel mineral production. Because production data for greensand marl and peat were withheld to avoid disclosing company proprietary data in 2008 and in 2009, the State's actual annual total values are significantly higher than those listed in table 1.

Crushed stone and construction sand and gravel were New Jersey's leading mineral commodities by value, together

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 2009 USGS mineral production data published in this chapter are those available as of September 2011. 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>.

accounting for 89% of the State's total value. The decrease in New Jersey's total production value was led by decreases in the value of construction sand and gravel, down \$37 million, or 24%, from \$153 million in 2008 to \$116 million in 2009, followed by crushed stone, down \$31 million, or 20%, from \$155 million to \$124 million. Production of construction sand and gravel decreased by 2.5 million metric tons (Mt), or 18%, from a total of 13.6 Mt produced in 2008 to 11.1 Mt in 2009. Production of crushed stone decreased by 3.4 Mt, or 19%, from 17.9 Mt in 2008 to 14.5 Mt in 2009, mostly due to a sharp decline in the production of traprock (table 2). Industrial sand and gravel, accounting for 11% of the State's total nonfuel production value, decreased in value by \$1.6 million.

In 2009, New Jersey continued to be the only State to produce greensand marl. The State remained ninth in the production of industrial sand and gravel and remained eighth out of the 12 peat-producing States. New Jersey continued to rank in the middle among the 50 States for the production of construction sand and gravel and crushed stone.

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

(Thousand metric tons and thousand dollars unless otherwise specified)

Mineral	2007		2008		2009	
	Quantity	Value	Quantity	Value	Quantity	Value
Clays, common	65	(3)	--	--	--	--
Gemstones, natural	NA	1	NA	1	NA	1
Sand and gravel:						
Construction	15,700 ^r	145,000	13,600 ^r	153,000 ^r	11,100	116,000
Industrial	1,090	33,200	1,010	31,800	906	30,200
Stone, crushed	20,000	162,000	17,900	155,000	14,500	124,000
Combined values of greensand marl, peat, and value indicated by footnote 3	XX	3,220	XX	W	XX	W
Total	XX	343,000	XX	339,000 ^r	XX	270,000

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

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.

³Withheld value included in "Combined values" data.

TABLE 2
NEW JERSEY: CRUSHED STONE SOLD OR USED, BY TYPE¹

Type	2008			2009		
	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Number of quarries	Quantity (thousand metric tons)	Value (thousands)
Granite	6	5,860	\$51,700	6	5,770	\$51,000
Traprock	14	12,000	103,000	13	8,660	71,800
Miscellaneous stone	1	62	538	1	107	908
Total	XX	17,900	155,000	XX	14,500	124,000

XX Not applicable.

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

TABLE 3
NEW JERSEY: CRUSHED STONE SOLD OR USED BY PRODUCERS IN 2009, BY USE¹

(Thousand metric tons and thousand dollars)

Use	Quantity	Value
Construction:		
Coarse aggregate (+1½ inch):		
Riprap and jetty stone	70	558
Filter stone	W	W
Other coarse aggregate	167	1,750
Coarse aggregate, graded:		
Concrete aggregate, coarse	953	10,200
Bituminous aggregate, coarse	W	W
Bituminous surface-treatment aggregate	W	W
Railroad ballast	W	W
Fine aggregate (-¾ inch):		
Stone sand, concrete	W	W
Screening, undesignated	669	5,300
Other fine aggregate	509	5,090
Coarse and fine aggregates:		
Graded road base or subbase	311	2,320
Unpaved road surfacing	W	W
Crusher run or fill or waste	W	W
Other coarse and fine aggregates	2,250	17,300
Unspecified: ²		
Reported	6,220	53,000
Estimated	2,060	17,500
Total	14,500	124,000

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

¹Data are rounded to no more than three significant digits.

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

TABLE 4
NEW JERSEY: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 2009,
BY MAJOR USE CATEGORY¹

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Concrete aggregate (including concrete sand)	2,350	\$26,300	\$11.19
Plaster and gunite sands	401	5,490	13.70
Concrete products (blocks, bricks, pipe, decorative, etc.)	191	2,290	12.00
Asphaltic concrete aggregates and other bituminous mixtures	1,310	17,500	13.37
Road base and coverings	438	8,190	18.71
Fill	402	2,610	6.48
Snow and ice control	40	569	14.23
Other miscellaneous uses ²	164	2,140	13.05
Unspecified: ³			
Reported	790	6,260	7.93
Estimated	5,010	45,000	8.98
Total or average	11,100	116,000	10.49

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

²Includes filtration and golf course.

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

TABLE 5
NEW JERSEY: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 2009, BY USE AND DISTRICT¹

(Thousand metric tons and thousand dollars)

Use	District 1		District 2		District 3	
	Quantity	Value	Quantity	Value	Quantity	Value
Concrete aggregates and concrete products ²	825	11,600	922	13,500	1,190	8,910
Asphaltic concrete aggregates and road base materials	W	W	1,130	19,200	W	W
Fill	117	1,070	240	965	45	567
Other miscellaneous uses ³	387	5,180	1	12	439	4,020
Unspecified: ⁴						
Reported	5	79	1	18	785	6,170
Estimated	1,630	15,500	2,180	17,900	1,210	11,600
Total	2,960	33,400	4,470	51,700	3,670	31,300

W Withheld to avoid disclosing company proprietary data; included in "Other miscellaneous uses."

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

²Includes plaster and gunite sands.

³Includes filtration, golf course, and snow and ice control.

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