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2009 Minerals Yearbook

RHODE ISLAND [ADVANCE RELEASE]

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U.S. Geological Survey

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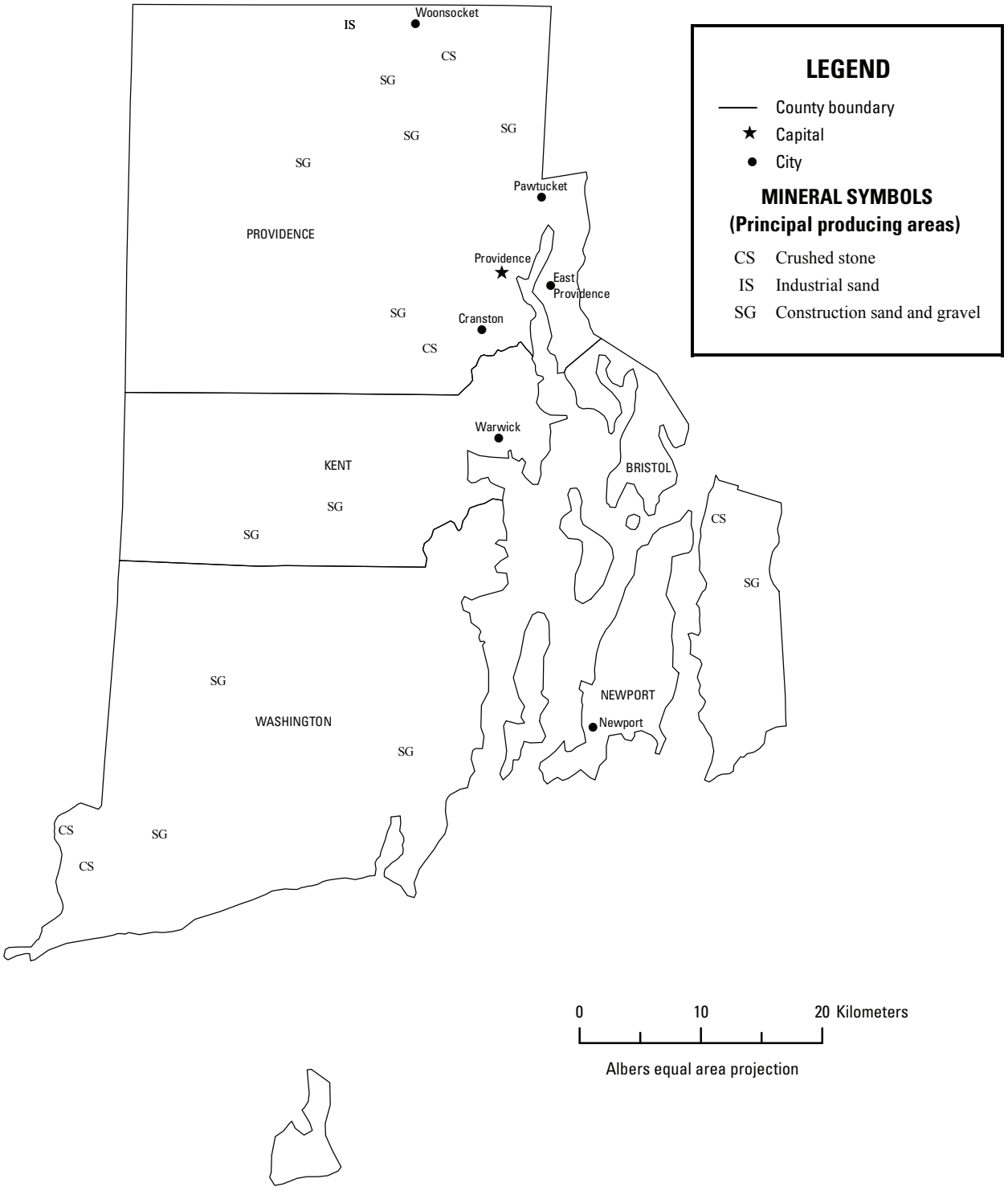
RHODE ISLAND



Source: Rhode Island Geological Survey/U.S. Geological Survey (2009).

THE MINERAL INDUSTRY OF RHODE ISLAND

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

In 2009, Rhode Island's nonfuel mineral production[1] value was at $43 million, based upon annual U.S. Geological Survey data. This was a $1.9 million, or 4%, decrease from the State's total production value of $45 million in 2008, which was down by $7.1 million, or almost 14%, from $52 million in 2007. Because data for industrial sand and gravel have been withheld to avoid disclosing company proprietary data, the State's actual total nonfuel mineral production values for 2007–09 are higher than those reported in table 1. The State decreased to rank 49th out of the 50 States for total nonfuel raw mineral production value, down from 48th in 2007–08.

Construction sand and gravel and crushed stone were Rhode Island's leading mineral commodities by value in 2009, accounting for almost 54% and 46% of the State's total, respectively. The $4.1 million decline in the production value of construction sand and gravel was the primary driver of the total decrease in total production value in the State in 2009, being offset only partially by the $2.3 million increase in the production value of crushed stone.

Almost 27% of all construction sand and gravel produced in the State was used as asphaltic concrete aggregates and road base materials, down from 35% in 2008. This is the largest known major use category by value and accounts for almost 15% of the State's total nonfuel mineral production value, down from 16% in 2008. The next largest known major use category by production and production value for construction sand and gravel was for concrete aggregates and concrete products, accounting for 8% of all material produced and 9% of the State's total nonfuel mineral production value. Additional data for crushed stone and construction sand and gravel are subdivided in tables 2, 3, and 4.

[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 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.

TABLE 1
NONFUEL RAW MINERAL PRODUCTION IN RHODE ISLAND[1, 2]

(Thousand metric tons and thousand dollars)

Mineral	2007		2008		2009	
	Quantity	Value	Quantity	Value	Quantity	Value
Gemstones, natural	NA	1	NA	1	NA	1
Sand and gravel:						
Construction	2,410	31,200	2,000 r	27,400 r	1,820	23,300
Industrial	W	W	W	W	W	W
Stone, crushed	2,240	21,200	1,840 r	17,900 r	1,820	20,200
Total	XX	52,400	XX	45,300 r	XX	43,400

rRevised. 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
RHODE ISLAND: CRUSHED STONE SOLD OR USED, BY TYPE[1]

Type	2008			2009		
	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Number of quarries	Quantity (thousand metric tons)	Value (thousands)
Miscellaneous stone	7	1,840 r	$17,900 r	6	1,820	$20,200

rRevised.

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

TABLE 3
RHODE ISLAND: CRUSHED STONE SOLD OR USED BY PRODUCERS IN 2009, BY USE[1]

(Thousand metric tons and thousand dollars)

Use	Quantity	Value
Construction:		
Coarse aggregate (+1½ inch):		
Filter stone	W	W
Other coarse aggregate	18	320
Coarse aggregate, graded:		
Concrete aggregate, coarse	W	W
Other graded coarse aggregate	127	224
Fine aggregate (-⅜ inch), other	18	320
Coarse and fine aggregates, other	18	320
Agricultural, limestone	W	W
Unspecified:[2]		
Reported	510	4,950
Estimated	1,120	12,000
Total	1,820	20,200

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 4
RHODE ISLAND: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 2009, BY MAJOR USE CATEGORY[1]

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Concrete aggregate (including concrete sand)[2]	295	$4,050	$13.73
Asphaltic concrete aggregates and road base materials	498	6,420	12.88
Other miscellaneous uses[3]	118	1,540	13.01
Unspecified:[4]			
Reported	13	36	2.77
Estimated	896	11,200	12.54
Total or average	1,820	23,300	12.79

[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 fill and snow and ice control.
[4]Estimated production without a breakdown by end use.