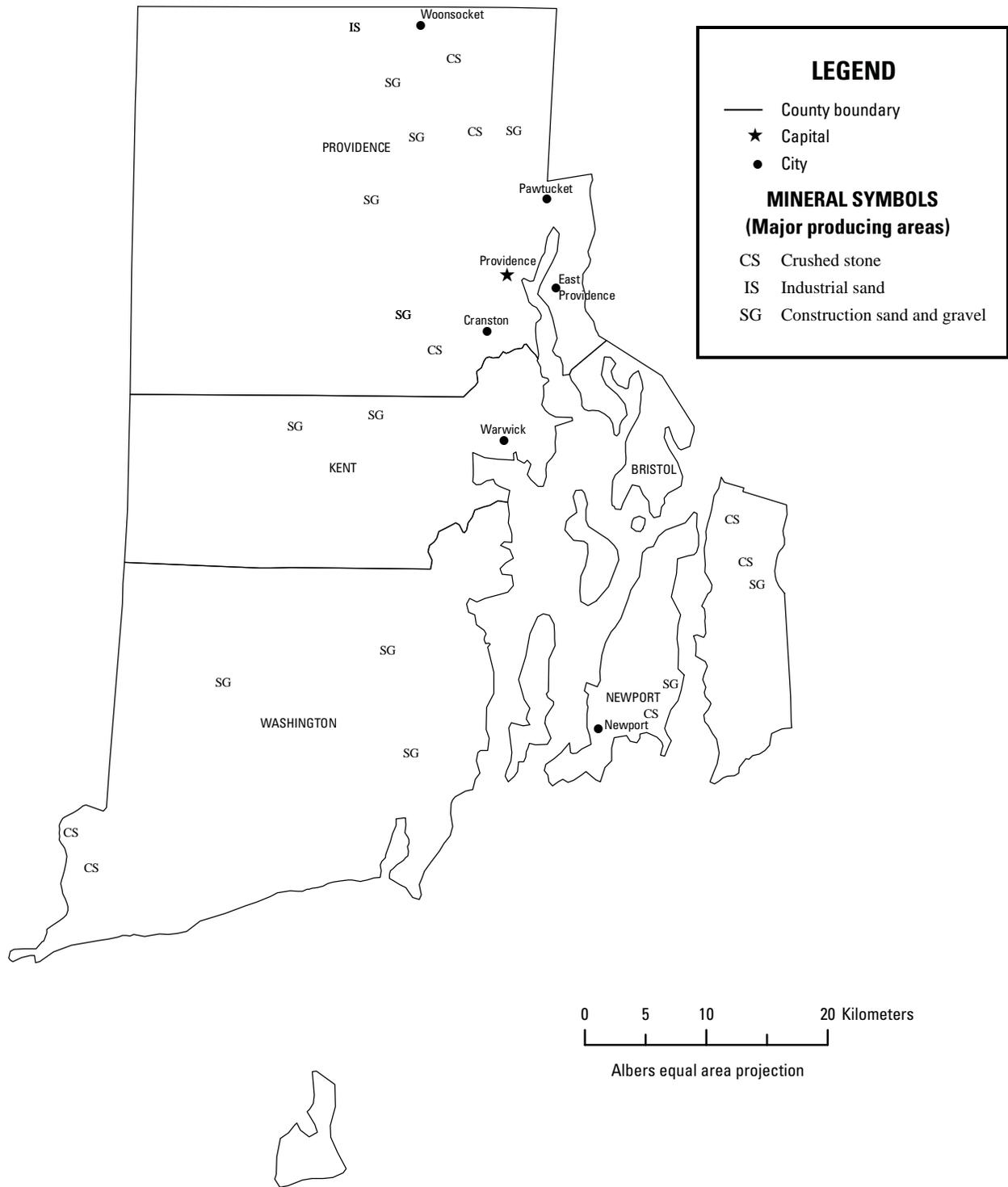




2007 Minerals Yearbook

RHODE ISLAND [ADVANCE RELEASE]

RHODE ISLAND



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 2007, Rhode Island's nonfuel raw mineral production¹ was valued at \$52.3 million, based upon annual U.S. Geological Survey data. This was an \$5 million, or 11%, increase from the State's total nonfuel mineral value for 2006, which was then up by \$11.7 million, or more than 33%, from 2005 to 2006. Because data for industrial sand and gravel and crushed limestone (2005) have been withheld (company proprietary data), the State's actual total nonfuel mineral values for 2005–07 are higher than those reported in table 1.

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 2007 USGS mineral production data published in this chapter are those available as of June 2009. 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>.

Most of Rhode Island's nonfuel mineral production resulted from the mining and production of two basic construction materials—construction sand and gravel and crushed stone. In 2007, these two mineral commodities accounted for nearly 60% and more than 40%, respectively, of the State's nonfuel raw mineral economy that may be publicly disclosed. Data for crushed granite and miscellaneous stone are subdivided in table 2.

In 2007, despite a small decrease in production, construction sand and gravel led the State's increase in value with a \$5.4 million, or 21%, increase in production value. Although the production of crushed stone decreased by 13%, its production value decreased only slightly. Small decreases took place in the production and the production value of industrial sand and gravel. Gemstones, the value of which was estimated, continued to be mined in the State by hobbyists only.

TABLE 1
NONFUEL RAW MINERAL PRODUCTION IN RHODE ISLAND^{1,2}

(Thousand metric tons and thousand dollars)

Mineral	2005		2006		2007	
	Quantity	Value	Quantity	Value	Quantity	Value
Gemstones	NA	1	NA	1	NA	1
Sand and gravel:						
Construction	2,510	23,000	2,430	25,800	2,410	31,200
Industrial	W	W	W	W	W	W
Stone, crushed	1,610 ³	12,300 ³	2,570 ^r	21,300 ^r	2,240	21,200
Total	XX	35,300	XX	47,000 ^r	XX	52,300

^r Revised. NA Not available. W Withheld to avoid disclosing company proprietary data. 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.

³Excludes certain stones; value withheld to avoid disclosing company proprietary data.

TABLE 2
RHODE ISLAND: CRUSHED STONE SOLD OR USED, BY TYPE¹

Type	2006			2007		
	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Number of quarries	Quantity (thousand metric tons)	Value (thousands)
Granite	3	1,110	\$8,550	3	1,160	\$11,000
Miscellaneous stone	5	1,460	12,700	4	1,070	10,200
Total	XX	2,570 ^r	21,300 ^r	XX	2,240	21,200

^rRevised. XX Not applicable.

¹Data 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 2007, BY USE¹

(Thousand metric tons and thousand dollars)

Use	Quantity	Value
Construction:		
Coarse aggregate (+1½ inch), riprap and jetty stone	W	W
Coarse aggregate, graded:		
Concrete aggregate, coarse	W	W
Bituminous aggregate, coarse	W	W
Fine aggregate ($\frac{3}{8}$ inch):		
Stone sand, bituminous mix or seal	W	W
Screening, undesignated	W	W
Coarse and fine aggregates, graded road base or subbase	W	W
Agricultural, limestone	W	W
Unspecified, estimated ²	1,500	15,000
Total	2,240	21,200

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

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

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

TABLE 4
RHODE ISLAND: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 2007,
BY MAJOR USE CATEGORY¹

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Concrete aggregate (including concrete sand)	504	\$6,670	\$13.24
Plaster and gunitite sands	4	62	15.50
Asphaltic concrete aggregates and other bituminous mixtures	370	5,230	14.12
Road base and coverings	107	1,340	12.49
Fill	267	2,790	10.45
Snow and ice control ²	85	1,680	19.74
Unspecified, estimated ³	1,100	13,000	12.52
Total or average	2,410	31,200	12.94

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

²Includes railroad ballast.

³Estimated production without a breakdown by end use.