2009 Minerals Yearbook

HAWAII [ADVANCE RELEASE]

U.S. Department of the Interior
U.S. Geological Survey

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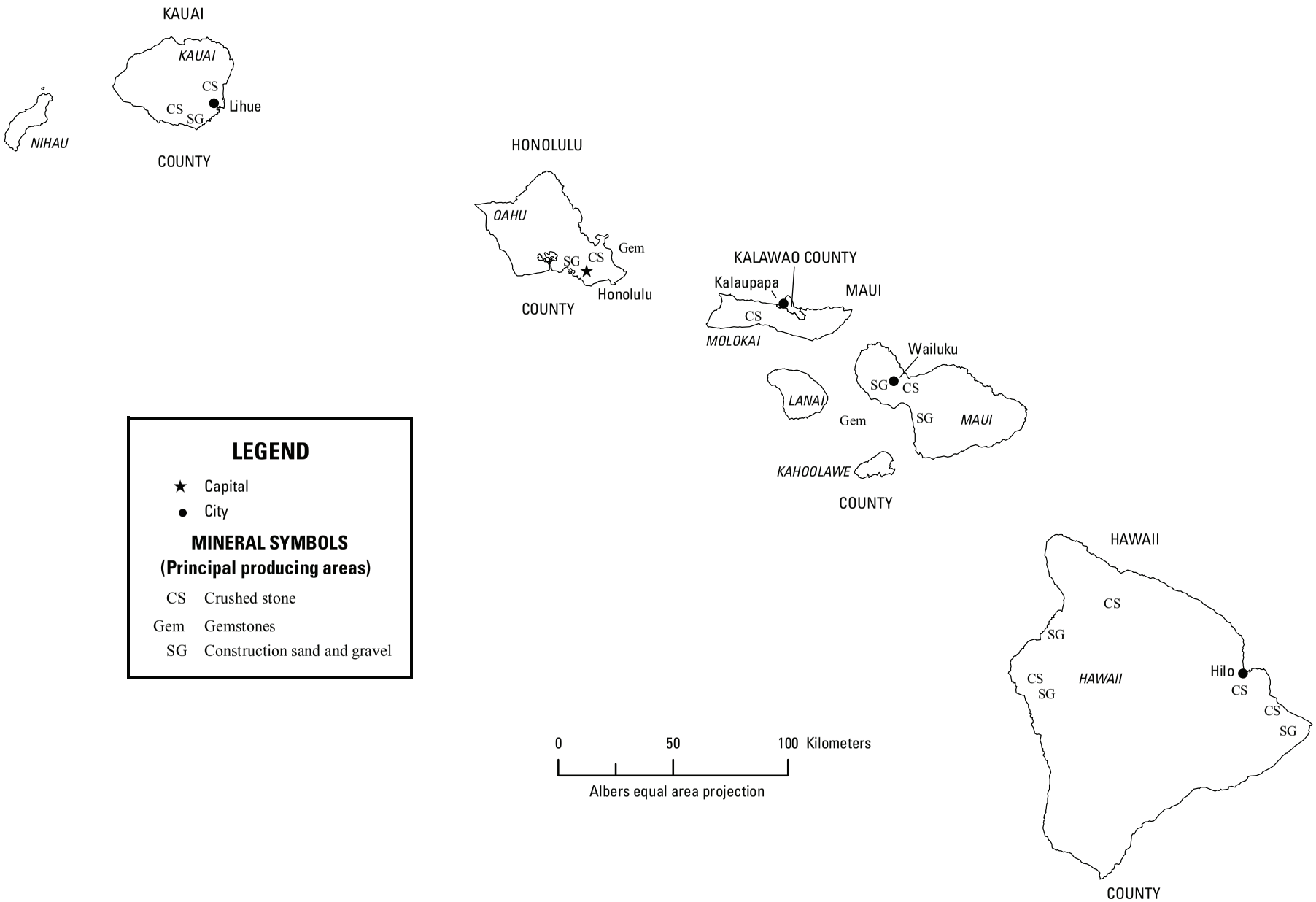
HAWAII



Source: Hawaii Department of Land and Natural Resources/U.S. Geological Survey (2009).

THE MINERAL INDUSTRY OF HAWAII

In 2009, Hawaii's nonfuel raw mineral production[1] was valued at $116 million, based upon annual U.S. Geological Survey (USGS) data. This was a $48-million, or 29%, decrease from that of 2008, which followed a $1.2 million, or about 1%, decrease from 2007 to 2008. Hawaii ranked 46th (42d in 2008) among the 50 States in total nonfuel mineral production value and accounted for 0.2% of the U.S. total value. On a per-capita-basis, the State ranked 37th in the Nation in its mineral industry's value of nonfuel mineral production; with a population of about 1.3 million, the value of production was about $89 per capita.

[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.

Mining in Hawaii consisted mostly of the quarrying of stone, used to produce crushed stone, and the extraction of sand and gravel from open pits. Both mineral commodities were produced for use by the construction industry. Gemstones, mostly black coral and precious coral, were also produced in significant quantities.

Crushed stone, by value, remained Hawaii's leading nonfuel mineral commodity, accounting for more than 87% of the State's total nonfuel mineral production value, followed by construction sand and gravel and gemstone. Hawaii's decrease in total nonfuel mineral production value was the result of decreases in the majority of the State's mineral commodity values, the largest decrease being that of crushed stone, down by $32 million, or 24%, followed by construction sand and gravel, down by $15 million, or 52%. Gemstone production value remained the same as in 2008.

TABLE 1
NONFUEL RAW MINERAL PRODUCTION IN HAWAII[1, 2]

(Thousand metric tons and thousand dollars)

Mineral	2007		2008		2009	
	Quantity	Value	Quantity	Value	Quantity	Value
Gemstones, natural	NA	151	NA	151	NA	151
Sand and gravel, construction	1,850 r	24,100 r	1,640 r	29,800 r	1,130	14,300
Stone, crushed	8,800	141,000	7,410 r	134,000 r	5,920	101,000
Total	XX	165,000 r	XX	164,000 r	XX	116,000

[r]Revised. NA Not available. 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
HAWAII: CRUSHED STONE SOLD OR USED, BY TYPE[1]

Type	2008			2009		
	Number of quarries	Quantity[r] (thousand metric tons)	Value[r] (thousands)	Number of quarries	Quantity (thousand metric tons)	Value (thousands)
Limestone	-- r	--	--	--	--	--
Traprock	21 r	6,330	$115,000	19	5,180	$88,000
Volcanic cinder and scoria	4 r	366	5,630	3	121	1,540
Miscellaneous stone	9	711	13,100	8	623	11,500
Total	XX	7,410	134,000	XX	5,920	101,000

[r]Revised. XX Not applicable. -- Zero.

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

TABLE 3
HAWAII: 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):		
Riprap and jetty stone	W	W
Filter stone	W	W
Other coarse aggregate	240	6,150
Coarse aggregate, graded:		
Concrete aggregate, coarse	695	8,700
Other graded coarse aggregate	178	2,900
Fine aggregate (-⅜ inch):		
Stone sand, concrete	187	7,000
Other fine aggregate	190	4,340
Coarse and fine aggregates:		
Graded road base or subbase	158	2,570
Crusher run or fill or waste	416	3,890
Other coarse and fine aggregates	48	555
Other construction materials	5	98
Unspecified:[2]		
Reported	820	13,600
Estimated	2,950	50,700
Total	5,920	101,000

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 the totals shown.
[2]Reported and estimated production without a breakdown by end use.

TABLE 4
HAWAII: 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)	67	$1,430	$21.31
Asphaltic concrete aggregates and road base materials	344	4,390	12.77
Fill	132	$1,200	9.12
Unspecified:[2]			
Reported	94	615	6.54
Estimated	490	6,670	18.74
Total or average	1,130	14,300	12.70

[1]Data are rounded to no more than three significant digits, except unit value; may not add to totals shown.
[2]Estimated production without a breakdown by end use.