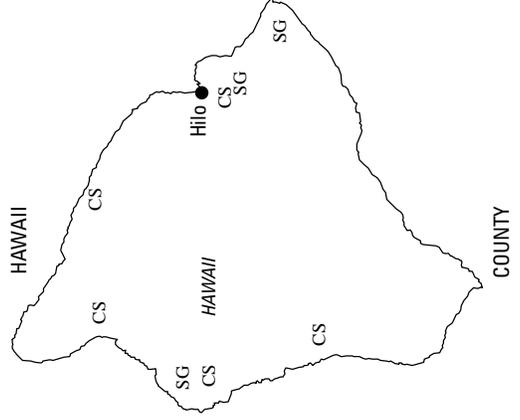
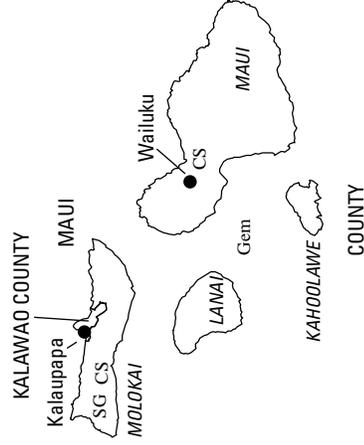
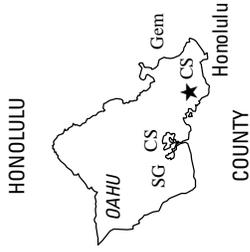
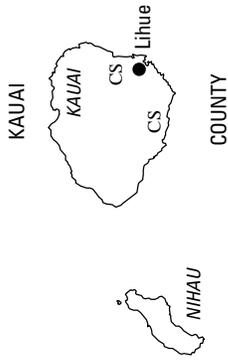




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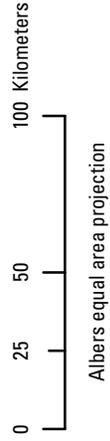


LEGEND

- ★ Capital
- City

**MINERAL SYMBOLS
(Major producing areas)**

- CS Crushed stone
- Gem Gemstones
- SG Construction sand and gravel



THE MINERAL INDUSTRY OF HAWAII

In 2007, Hawaii's nonfuel raw mineral production¹ was valued at \$150 million, based upon annual U.S. Geological Survey data. This was a \$4 million, or 3%, decrease from that of 2006, which followed a \$29 million, or about 23%, increase from 2005 to 2006. 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.

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>.

The State's overall decline in nonfuel raw mineral production value was led by a \$3 million decline in crushed stone value, followed by a 10.7% decrease in construction sand and gravel value, amounting to \$1.7 million. Production volume of crushed stone fell by more than 4% with a 2.1% decline in production value, unlike in 2006 when the value of crushed stone rose by \$31 million (a 29% increase from 2005 values). Construction sand and gravel production decreased by 4.1%. In 2006, the value of construction sand and gravel experienced a similar decrease from 2005 values, when it again declined by \$1.6 million. Although not a significant contributor to Hawaii's overall change in value, gemstone value rose by \$44,000 from \$107,000 in 2006, comprising a 41% increase in value. This increase followed a 51% decline in value from 2005 to 2006, when the value of gemstones fell from \$217,000 to \$107,000 (table 1).

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

(Thousand metric tons and thousand dollars)

Mineral	2005		2006		2007	
	Quantity	Value	Quantity	Value	Quantity	Value
Gemstones, natural	NA	217	NA	107	NA	151
Sand and gravel, construction	1,390	17,500	1,230	15,900	1,180	14,200
Stone, crushed	8,230	107,000	8,980 ^r	138,000 ^r	8,610	135,000
Total	XX	125,000	XX	154,000 ^r	XX	150,000

^rRevised. NA Not available. 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
HAWAII: 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)
Limestone	1	9	\$268	1	14	\$225
Traprock	17 ^r	6,740 ^r	106,000 ^r	21	6,710	106,000
Volcanic cinder and scoria	3 ^r	337	4,530	4	512	8,050
Miscellaneous stone	5 ^r	1,890 ^r	27,800 ^r	5	1,370	21,500
Total	XX	8,980 ^r	138,000 ^r	XX	8,610	135,000

^rRevised. XX Not applicable.

¹Data 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 2007, BY USE¹

(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	10	188
Coarse aggregate, graded:		
Concrete aggregate, coarse	W	W
Bituminous surface-treatment aggregate	W	W
Other graded coarse aggregate	307	6,100
Fine aggregate (¾ inch):		
Stone sand, concrete	W	W
Stone sand, bituminous mix or seal	W	W
Other fine aggregate	122	2,310
Coarse and fine aggregates:		
Graded road base or subbase	140	2,290
Unpaved road surfacing	W	W
Crusher run or fill or waste	W	W
Other coarse and fine aggregates	145	1,770
Unspecified: ²		
Reported	2,930	46,100
Estimated	3,400	53,000
Total	8,610	135,000

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
HAWAII: 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)	W	W	W
Road base and coverings	W	W	W
Fill	184	\$1,380	\$7.50
Other miscellaneous uses	131	1,470	11.27
Unspecified: ²			
Estimated	861	11,400	13.23
Total or average	1,180	14,200	12.11

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

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

²Estimated production without a breakdown by end use.