



# 2013 Minerals Yearbook

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**STONE, CRUSHED [ADVANCE RELEASE]**

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# STONE, CRUSHED

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A total 1.18 billion metric tons (Gt) of crushed stone was produced for consumption in the United States in 2013, a slight increase from the total production of 2012 and 34% less than the record high of 1.78 Gt in 2006. In 2013, the total value of crushed stone produced in the United States was \$11.8 billion, an increase of 3% compared with that of 2012 (table 1). The average unit price for crushed stone increased slightly compared with the average unit price for 2012. After the relatively constant levels of the past 5 years, including the small increases of the last two years, production still remains lower than the level of crushed stone production for consumption in the United States in 1994. The total number of employees working at construction aggregate mines has decreased every year since 2006. Employment is down 20% compared with 2006 at mines identified as producing crushed stone by the Mine Safety and Health Administration (MSHA).

About 70% of crushed stone production was limestone and dolomite, followed by, in descending order of tonnage, granite, traprock, miscellaneous stone, sandstone and quartzite, marble, volcanic cinder and scoria, slate, calcareous marl, and shell (table 2).

Foreign trade in crushed stone remained relatively small compared to nationwide consumption. In 2013, U.S. exports decreased by 64% to 404,000 metric tons (t) compared with 1.14 million metric tons (Mt) in 2012, but the value increased by 24% to \$55.1 million, compared with \$44.6 million in 2012 (tables 1, 17). U.S. imports of crushed stone, including calcium carbonate fines, increased by 15% to 17.7 Mt, and the value increased by 4% to \$218 million compared with the 2012 totals (tables 1, 18). Apparent domestic consumption of crushed stone, which is defined as production for consumption (sold or used) plus recycling and imports minus exports, increased slightly compared with that of 2012 because of the large decreases in exports of limestone for cement manufacturing in 2013.

Stone is one of the most accessible natural resources on Earth and one of the fundamental building blocks of society. It has been used from the earliest times of civilization in a variety of ways that have increased in number and complexity with time and technological progress. Today, in its crushed form, stone is a major basic raw material for the construction industry, as well as agriculture and other industries that use complex chemical and metallurgical processes. Despite the relatively low, but increasing, unit value of its basic products, the crushed stone industry is a major contributor to and an indicator of the economic well-being of the Nation. Construction aggregates are defined as the combination of crushed stone and construction sand and gravel. The construction sand and gravel industry is reviewed in a separate chapter, and both mineral commodities are usually included in any review of the national or State aggregates industry.

## Production

Domestic production data for crushed stone were derived by the U.S. Geological Survey (USGS) from voluntary surveys of U.S. producers. In 2013, a total of 1,457 companies produced or sold crushed stone from 3,688 operations with 3,837 quarries and 204 sales and (or) distribution sites (table 16). Of the 3,688 active operations, 2,351 operations reported their production or sales to the USGS, and their total production was 849 Mt (72% of the U.S. total). Of the 2,351 reporting operations, 746 operations did not report a breakdown by end use. Their total production was 340 Mt (29% of the U.S. total) and is included in table 9 under "Unspecified, reported" uses.

Production of the nonresponding quarries was estimated by using employment data provided by MSHA. The estimated output of 1,337 nonrespondent operations was 329 Mt (28% of the U.S. total) and is included in table 9 under "Unspecified, estimated" uses.

A total of 372 operations reported that they were an active sales yard with 168 of those reporting that they sold only recycled aggregates. Virgin crushed stone sales were reported by 204 sales yards in 2013, and the total quantity of crushed stone sold from these operations, was 34.4 Mt. Information regarding the number of active operations, including recycling operations, active quarries, type of processing plants, and number of sales yards by State is provided in table 16.

Crushed stone was produced in every State except Delaware. Starting with 2005, Delaware's production is included in the U.S. total because of sales yards that reported sales of crushed stone in the State. The 10 leading producing States were, in descending order of tonnage, Texas, Pennsylvania, Missouri, Florida, Ohio, North Carolina, Kentucky, Illinois, Virginia, and Indiana. The combined production of the 10 leading States increased slightly and accounted for 52% of the national total (table 4).

Included in the total number of active operations were 87 underground mines, which produced 69.7 Mt of crushed stone in 2013. Active underground mines were in 17 States. The five leading States were, in descending order of tonnage, Kentucky, Missouri, Pennsylvania, Illinois, and Iowa. Their combined production was 47.0 Mt (68% of the total of U.S. crushed stone produced underground).

A total of 321 crushed stone operations were either idle or presumed to have been idle in 2013 because no production report was received, and no employment information was available to estimate their production. Since the 2012 survey, 142 operations have closed. Most of the idle or closed operations were small, temporary quarries, some of which were operated by State or local governments. Operations in U.S. territories are not included in the above count.

Of the total 1.18 Gt of crushed stone produced for consumption in the United States in 2013, 70% was limestone and dolomite; 14% was granite; 6% was traprock; 5% was miscellaneous stone; and 4% was sandstone and quartzite. The remaining 1% was shared, in descending order of tonnage, by marble, volcanic cinder and scoria, slate, calcareous marl, and shell. These percentages were calculated on the total amount of crushed stone produced for consumption that was reported and estimated, including individual amounts that were withheld to avoid disclosing company proprietary data (table 2).

A review of production by size of operation at the national level indicates that, in 2013, 524 Mt of crushed stone (44% of the total crushed stone) was produced by 296 operations reporting production of more than 1 million metric tons per year; 284 Mt was produced by 449 operations reporting production between 500,000 and 999,999 metric tons per year (t/yr); and 323 Mt was produced by 1,370 operations reporting production between 100,000 and 499,999 t/yr. Operations that produced more than 500,000 t/yr accounted for 69% of total crushed stone produced in the United States in 2013, a slight increase compared with that of 2012 (table 5A). By geographic region, in 2013, the South had 1,243 active operations, followed by the Midwest with 1,009, the West with 690, and the Northeast with 554 active operations (table 5B).

The leading U.S. producing companies in 2013 were, in descending order of tonnage, Vulcan Materials Co.; Martin Marietta Aggregates; Oldcastle Materials, Inc.; Lehigh Hanson, Inc.; CEMEX S.A.B. de C.V.; Lafarge North America Inc.; Carmeuse Lime & Stone; Rogers Group, Inc.; Holcim Group/Aggregate Industries Management, Inc.; and Lhoist North America (table 19). In 2013, the combined production of the top 10 companies increased slightly to 522 Mt (44% of the national total). The combined production of the top 100 companies was 878 Mt (75% of the national total). The top 20% of companies (291), produced a combined total of 1.0 Gt or 88% of the total sales in 2013.

In 2014, companies continued efforts to divest non-core assets and strengthen positions in strategic geographic areas. Lafarge North America and Vulcan Materials were the two most active companies during the year. The bulk of these transactions took place in the States of Georgia, Kansas, and Texas.

Lafarge sold six aggregates quarries in Georgia, for a total enterprise value of \$160 million, to Vulcan Materials and Bluegrass Materials Co., LLC. These assets represented less than 1% of Lafarge's sales in North America in 2011 (Lafarge North America Inc., 2013). As part of this deal, Bluegrass Materials agreed to purchase the Ball Ground, Clayton, Cumming, and Douglasville quarries located in the Atlanta metropolitan area (Bluegrass Materials Co., LLC, 2013). Vulcan announced at the same time that it was acquiring aggregates businesses in Texas and Georgia with the acquisition of two active quarries and additional reserves adjacent to two existing quarries for approximately \$80 million. Total reserves related to these investments were approximately 91 Mt (Vulcan Materials Co., 2013). This included Lafarge's quarries in Hall and Jackson Counties, GA.

Vulcan Materials entered in a deal with Plum Creek Timber Co., Inc. to further strengthen its position in Georgia. The

agreement was for Plum Creek Timber to acquire an interest in approximately 255 Mt of production at four of Vulcan Material's quarries for \$154 million. The quarries are located in the metro Atlanta, GA, market and will continue to be operated by Vulcan. Plum Creek Timber will receive royalty payments from the sale of the crushed stone from the quarries for 25 years (Plum Creek Timber Co., Inc., 2013). Vulcan Materials also sold its remaining quarry assets in Wisconsin. Lannon Stone Products, Inc. acquired the Sussex operations, and Payne & Dolan, Inc. acquired the remaining quarries that Vulcan Materials operated in Wisconsin (Aggregates Manager, 2013).

Trinity Materials, Inc. acquired certain aggregates operations from Texas Industries, Inc. (TXI), in Texas, Colorado, and California. TXI received in exchange Trinity Materials remaining ready-mix operations located in eastern Texas and parts of Arkansas (Trinity Industries, Inc., 2014, p. 22). ACG Materials acquired the assets of Pinnacle Materials LLC in south Texas. The assets located in Dilley, Pearsall, Eagle Pass, and the Three Rivers areas include five crushed stone aggregate sites that will be used to support site work for companies in the Eagle Ford shale area (Pit & Quarry, 2013).

Production of crushed stone by type is detailed below.

**Calcareous Marl.**—Output of calcareous marl decreased 16% compared with that of 2012 to 2.1 Mt valued at \$10 million (table 2).

**Dolomite.**—Production of dolomite decreased 14% compared with the total for 2012 to 42.5 Mt valued at \$438 million (table 2). Crushed dolomite production was reported in 25 States. The leading producing States were, in descending order of tonnage, Illinois, Pennsylvania, and New York; the total production of these three States was 23.2 Mt (55% of the U.S. output) (table 6). An additional undetermined amount of dolomite was included in the crushed limestone total, as explained in the limestone portion of the "Production" section.

**Granite.**—The output of crushed granite increased by 7% compared with that of 2012 to 160 Mt valued at \$2.0 billion (table 2). Crushed granite was reported as being produced in 34 States. The leading producing States were, in descending order of tonnage, North Carolina, Georgia, Virginia, South Carolina, and California; the total production of these five States was 109 Mt (68% of the U.S. output) (table 7).

**Limestone.**—The output of crushed limestone, including some dolomite, increased slightly compared with that of 2012 to 781 Mt valued at \$7.3 billion (table 2). Limestone production was reported in 46 States, which includes small amounts of limestone and dolomite being produced in the same quarries. Companies in 26 States reported production of 26.4 Mt of limestone and dolomite combined, which was included with the limestone listed in table 2. The limestone totals listed in this chapter, therefore, include an undetermined amount of dolomite in addition to the dolomite reported separately. The leading producing States were, in descending order of tonnage, Texas, Missouri, Florida, Ohio, and Pennsylvania; the total production of these five States was 334 Mt (43% of the total U.S. output) (table 6).

**Marble.**—Production of crushed marble increased 5% compared with the total for 2012 to 6.7 Mt valued at

\$91.4 million (table 2). Crushed marble production was reported in 14 States.

**Miscellaneous stone.**—This category includes three different types of miscellaneous crushed stone production. The first type is a crushed stone, which was reported by the company as “other” on the survey form or as a type of stone not listed in table 2. The second type is production of unknown stone type from a company or operation that is new to the survey. The first year an operation is added to the survey, its production is often estimated using MSHA employment data. The type of stone produced is updated when a response is received from the operation and the data are revised for the next report. The third type is production of a known stone type when the amount reported must be withheld to protect company proprietary data. The concealed amount is added to the quantity of miscellaneous stone produced in that State and then published.

The reported output of miscellaneous stone decreased by 3% compared with the total for 2012 to 61.6 Mt, valued at \$561 million (table 2). In 2013, the reported amount of miscellaneous stone accounted for 71% of the total output of miscellaneous stone and 59% of its value (table 8). The remaining 29% (25.2 Mt) of the total output consisted of known stone types for which data were withheld.

**Sandstone and Quartzite.**—The output of crushed sandstone and quartzite decreased slightly compared with the total for 2012 to 42.1 Mt, valued at \$392 million (table 2). Crushed sandstone production was reported in 30 States, and quartzite was produced in 18 States. The leading producing States were, in descending order of combined tonnage of sandstone and quartzite, Pennsylvania, Arkansas, Texas, South Dakota, and Colorado. Their combined total production was 28.0 Mt (66% of the U.S. output) (table 7).

**Shell.**—Shell is derived mainly from fossil reefs or oyster shell banks. The output of crushed shell decreased by 77% compared with the total for 2012 to 760,000 t, valued at \$14.2 million (table 2). Crushed shell was reported as being produced in California, Florida, and Louisiana (table 8).

**Slate.**—The output of crushed slate increased by 16% compared with that of 2012 to 2.7 Mt, valued at \$30.8 million (table 2). Crushed slate was produced in 11 States, with North Carolina and Pennsylvania accounting for more than one-half of the total U.S. output.

**Traprock.**—Production of crushed traprock decreased slightly compared with the total for 2012 to 74.7 Mt, valued at \$859 million (table 2). Traprock was reported as being produced in 28 States. The leading producing States were, in descending order of tonnage, New Jersey, Virginia, Oregon, Washington, and North Carolina; these five States produced 36.8 Mt (49% of the U.S. output) (table 7).

**Volcanic Cinder and Scoria.**—Production of volcanic cinder and scoria decreased by 32% compared with the total for 2012 to 2.8 Mt, valued at \$23.8 million (table 2). Volcanic cinder and scoria production was reported in 13 States, with the top producing State of Wyoming accounting for 31% of the U.S. output (table 8).

## Consumption

Crushed stone production reported to the USGS is actually material that was either sold to other companies or consumers or was used by producers. Stockpiled production is not included in the reported quantities. The “sold or used” tonnage, therefore, represents the amount of production released for domestic consumption or export in a given year. Because some of the crushed stone producers did not report a breakdown by end use, their total production was included in the “Unspecified, reported” use category. The estimated production of nonrespondents was included in the “Unspecified, estimated” use category.

The ultimate use of crushed stone determines the specification for particle size and gradation, shape, rock type, and chemical composition. Crushed stone can be used without any binder for a variety of construction or industrial applications, or it can be mixed with a matrix binding material such as bituminous or portland cement. The most common use of crushed stone for construction purposes is as aggregate without a binder, including road base or road surfacing material, macadam, riprap, railroad ballast, and filter stone. The second largest use of crushed stone is as aggregate for cement and bituminous concrete in a variety of forms and applications in residential and nonresidential construction, highway and road construction and repair, airports, dams, sewers, and foundations. Sized crushed stone is used to make asphaltic concrete aggregate and road bases. Broken surfaces adhere to the hot asphaltic mixture better than rounded surfaces and they provide interlocking surfaces that tend to strengthen the asphaltic concrete. Broken particles pack better and tend to move less under load than rounded particles and, therefore, make a better road base product for highway and road construction. This characteristic is essential because bases and asphaltic concrete tend to flow when placed under great or long duration stresses. Other uses include limestone for cement and lime manufacturing, as agricultural limestone for direct application to soil, as filler and conditioner for fertilizers, in animal mineral feeds, and as poultry grit. Smaller amounts of crushed stone are used for a variety of applications ranging from metallurgical fluxing of antimony, copper, iron, lead, and zinc to the manufacturing of glass, ceramic pottery, paper, and as fillers and extenders in asphalt, paint, rubber, and plastics. An increasing amount of finely ground limestone is being used to remove sulfur oxides from stack gases, primarily from coal burning electric generating stations, and for mine dusting to enhance mine safety by reducing the explosion risk of highly combustible coal dust.

In 2013, U.S. apparent consumption of crushed stone, which is defined as U.S. production, sold or used, plus imports and recycled material minus exports, was 1.23 Gt, a slight increase compared with the apparent consumption in 2012. Of the 1.23 Gt of crushed stone consumed, 340 Mt (28%) was “Unspecified, reported,” and 327 Mt (27%) was “Unspecified, estimated.” Of the remaining consumption reported by uses, 78% was used as construction aggregate, mostly for highway and road construction and maintenance, as well as for a variety of building and nonbuilding construction; 12% for cement manufacturing; 4% for special and miscellaneous uses and

products; 4% for lime manufacturing; and 2% for agricultural uses (table 9). In marketing analysis or use-pattern studies, the quantities included in unspecified uses may be prorated and added to the reported uses by applying the above percentages calculated for the reported quantities.

As reported by the U.S. Census Bureau (2014), the value of the total construction put in place in 2013 increased by 6% compared with that of 2012, to \$911 billion. The value of total private construction increased by 10% to \$641 billion. The value of total public construction decreased by 3% to \$270 billion, which was the fourth consecutive year of decrease. Before 2010, the value of total public construction had not decreased during the previous 27 years.

Additional information regarding production and consumption of crushed stone by type of rock and major uses in each State and the State districts may be found in the USGS Minerals Yearbook, volume II, Area reports—Domestic.

### Recycling

The recycling of many materials was expanding, and aggregate producers were increasingly recycling portland cement concrete and asphalt concrete materials recovered from construction projects to be reused to produce aggregate materials, especially for fill and road base applications. The recycling of portland cement concrete was done at some quarries and increasingly at sales yards or distribution sites, whereas asphalt concrete often was recycled in place. The USGS surveyed construction aggregate mining companies, construction companies, and demolition companies, which reported the following data. The data represent an unknown percentage of the actual U.S. total of recycled construction aggregates.

**Recycled Asphalt Concrete.**—Companies in every State except Hawaii reported a total of 17.1 Mt of recycled asphalt, valued at \$147 million in 2013 (table 14). The leading States were, in descending order of tonnage of recycled asphalt concrete, California, Illinois, Pennsylvania, North Carolina, and Minnesota. Their combined total was 7.1 Mt, an increase of 6% compared with their combined total in 2012.

**Recycled Portland Cement Concrete.**—A total of 17.7 Mt of recycled concrete valued at \$136 million was reported as recycled in 48 States (table 15). The leading States for 2013 were, in descending order of tonnage of recycled portland cement concrete, California, Illinois, Texas, Michigan, and Virginia. Their combined total was 9.4 Mt, an increase of 31% compared with their combined total of 2012.

### Transportation

No means of transportation was reported by the producers for 715 Mt of the 1.18 Gt of crushed stone produced for consumption in 2013. Of the remaining 462 Mt of crushed stone, 74% was reported as being transported by truck from the quarry or the processing plant to the first point of sale or use, 7% by waterway, and 4% by rail. About 57.5 Mt of the specified production was reported as not having been transported and, therefore, is assumed to have been used onsite.

Shipment by truck remains the most widely used method of transportation for crushed stone. The significant increase in the number of sales and distribution yards in the past few years and the increase in the volume of crushed stone sold at these sites have had an impact on the markets they serve, especially in areas that lack the geology to support crushed stone mining. Distribution yards, supplied by rail or waterway, are located near metropolitan areas and significantly reduce the distance trucks must travel to pick up and deliver crushed stone. Therefore, the transportation costs are reduced, as is the impact of heavy-vehicle traffic on the infrastructure and the environment. Sales yards serve as distribution sites and, increasingly, also serve as recycling sites.

### Prices

Prices in this chapter are the annual average free on board plant prices, usually at the first point of sale or captive use, as reported by crushed stone producing companies. This value does not include transportation from the plant or yard to the consumer. It does, however, include all costs of mining, processing, in-plant transportation, overhead, and profit. In 2013, 1,035 operations responding to the annual survey reported the dollar value of their production for the current and previous year. The average unit value for operations reporting production and value was \$10.38 per metric ton in 2013. This was a slight increase compared with the reported average unit value of \$10.17 per metric ton in 2012. Leading U.S. producers increased prices by 2% to 4% in 2013, compared with prices in 2012. For those operations that reported production only, the unit values for specific end uses were estimated based on reported values for those specific uses in the same State. The reported State average was used in the estimation for operations reporting total production only and for those operations that did not respond to the survey.

Additional information regarding prices of crushed stone by type of rock and uses in the United States and each State and the State districts may be found throughout the tables included in this chapter and in the USGS Minerals Yearbook, volume II, Area reports—Domestic.

### Foreign Trade

The widespread distribution of domestic deposits of stone suitable for mining as crushed stone, the large number of existing active operations around the country, and the high cost of transportation limit foreign trade to mostly local transactions across international boundaries. U.S. imports and exports continue to be small, representing slightly more than 1% of domestic consumption.

Information on imports of crushed stone used for this report was derived from two sources. The primary source was import and export data from the U.S. Census Bureau (tables 1, 17–18). Additionally, companies provided import data when reporting the amount sold or used for consumption at each operation, usually a sales yard. The tonnage reported was attributed to the State where it was first sold or used; for example, crushed stone imported to Florida from Mexico was counted in the total of crushed stone sold or used in Florida (table 4). This was the same accounting practice used for large quantities of crushed

stone, which were transported from one State to another. For example, crushed stone mined in Kentucky and shipped down the Mississippi River to be used in Louisiana was included in the total of crushed stone sold or used in Louisiana.

**Exports.**—Exports of crushed stone decreased by 65% to 404,000 t compared with the total of 1.14 Mt in 2012, but the value increased by 24% to \$55.1 million (table 1). Exports of crushed limestone for cement manufacturing decreased significantly to Canada which accounted for 83% of the decrease in total exports. In 2013, exports of crushed limestone for cement manufacturing averaged a unit value of \$306 per ton (table 17).

**Imports.**—Imports of crushed stone increased by 15% to 17.7 Mt compared with those of 2012, and the value increased by 4% to \$218 million (table 1). Of the imported crushed stone, 69% was limestone used as construction aggregate, as flux stone, and in cement manufacturing (table 18).

## Outlook

The crushed stone industry is a cyclical business, reacting to the levels of activity in public infrastructure projects, commercial and residential construction markets, and other types of construction. The residential construction slowdown in the United States was well documented and led to decreased consumption of crushed stone. After 4 difficult years, residential construction appeared to level off in late 2010 and has remained almost flat since then with just very slight increases in production. Quarterly crushed stone sales data indicated that the construction industry may have reached the low point in the cycle and may now have begun to recover (Willett, 2014).

With significantly stronger construction activity expected across the country in 2014 and recovery in the private sector and residential construction experiencing a level of growth not seen since late 2005, consumption of construction aggregates likely will increase. It is expected that the increased consumption in 2014 from that in 2013 will exceed the historical annual average of the past 50 years, which was a 2% to 4% increase per year. The estimated output of crushed stone in the 48 conterminous States shipped for consumption in the first 9 months of 2014 was 955 million tons, an increase of 8% compared with that of the same period of 2013 (Willett, 2014). Demand for crushed stone is expected to be higher in 2014 as reflected by an increased output of crushed stone in every quarter since the second quarter of 2013.

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TABLE 1  
SALIENT CRUSHED STONE STATISTICS<sup>1</sup>

(Thousand metric tons and thousand dollars)

|   | 2009                    | 2010       | 2011                    | 2012                 | 2013       |
|---|-------------------------|------------|-------------------------|----------------------|------------|
| Sold or used by producers: <sup>2</sup> |                         |            |                         |                      |            |
| Quantity                                | 1,160,000               | 1,160,000  | 1,150,000 <sup>r</sup>  | 1,170,000            | 1,180,000  |
| Value                                   | 11,200,000 <sup>r</sup> | 11,100,000 | 11,100,000 <sup>r</sup> | 11,400,000           | 11,800,000 |
| Recycle:                                |                         |            |                         |                      |            |
| Quantity                                | 28,500                  | 26,400     | 27,300                  | 31,100 <sup>r</sup>  | 34,800     |
| Value                                   | 264,000                 | 201,000    | 214,000                 | 241,000 <sup>r</sup> | 282,000    |
| Exports:                                |                         |            |                         |                      |            |
| Quantity                                | 1,260                   | 1,210      | 911                     | 1,140                | 404        |
| Value                                   | 58,300                  | 52,100     | 41,800                  | 44,600               | 55,100     |
| Imports for consumption: <sup>3</sup>   |                         |            |                         |                      |            |
| Quantity                                | 12,200                  | 14,600     | 15,000                  | 15,400               | 17,700     |
| Value                                   | 174,000                 | 185,000    | 179,000                 | 208,000              | 218,000    |
| Employment number: <sup>4</sup>         |                         |            |                         |                      |            |
| Average number of employees             | 70,300                  | 67,600     | 67,000                  | 66,200               | 65,900     |

<sup>r</sup>Revised.

<sup>1</sup>Data are rounded to no more than three significant digits.

<sup>2</sup>Does not include American Samoa, Guam, Puerto Rico, and the U.S. Virgin Islands.

<sup>3</sup>Excludes precipitated calcium carbonate.

<sup>4</sup>Including office staff. Source: Mine Safety and Health Administration.

TABLE 2  
CRUSHED STONE SOLD OR USED IN THE UNITED STATES, BY TYPE<sup>1,2</sup>

| Type                                 | 2012 <sup>3</sup>  |                                 |                   |            | 2013               |                                 |                   |            |
|--------------------------------------|--------------------|---------------------------------|-------------------|------------|--------------------|---------------------------------|-------------------|------------|
|                                      | Number of quarries | Quantity (thousand metric tons) | Value (thousands) | Unit value | Number of quarries | Quantity (thousand metric tons) | Value (thousands) | Unit value |
| Limestone <sup>4</sup>               | 1,965              | 771,000                         | \$7,050,000       | \$9.14     | 1,968              | 781,000                         | \$7,310,000       | \$9.37     |
| Dolomite                             | 146                | 49,500                          | 497,000           | 10.04      | 134                | 42,500                          | 438,000           | 10.31      |
| Marble                               | 40                 | 6,390                           | 85,900            | 13.44      | 33                 | 6,690                           | 91,400            | 13.65      |
| Calcareous marl                      | 4                  | 2,470                           | 12,400            | 5.04       | 5                  | 2,080                           | 9,970             | 4.79       |
| Shell                                | 7                  | 3,280                           | 45,700            | 13.93      | 6                  | 760                             | 14,200            | 18.72      |
| Granite                              | 411                | 150,000                         | 1,850,000         | 12.40      | 397                | 160,000                         | 2,030,000         | 12.62      |
| Traprock                             | 325                | 76,400                          | 874,000           | 11.44      | 312                | 74,700                          | 859,000           | 11.49      |
| Sandstone and quartzite <sup>5</sup> | 225                | 43,200                          | 394,000           | 9.13       | 231                | 42,100                          | 392,000           | 9.31       |
| Slate                                | 28                 | 2,350                           | 26,600            | 11.32      | 26                 | 2,710                           | 30,800            | 11.37      |
| Volcanic cinder and scoria           | 61                 | 4,090                           | 30,000            | 7.33       | 49                 | 2,780                           | 23,800            | 8.55       |
| Miscellaneous stone                  | 734                | 63,500                          | 563,000           | 8.87       | 676                | 61,600                          | 561,000           | 9.11       |
| Total or average                     | XX                 | 1,170,000                       | 11,400,000        | 9.76       | XX                 | 1,180,000                       | 11,800,000        | 9.99       |

XX Not applicable.

<sup>1</sup>Data are rounded to no more than three significant digits, except unit values; may not add to totals shown.

<sup>2</sup>Does not include American Samoa, Guam, Puerto Rico, and the U.S. Virgin Islands.

<sup>3</sup>Estimated quantities have been recalculated.

<sup>4</sup>Includes limestone-dolomite reported with no distinction between the two kinds of stone.

<sup>5</sup>Includes sandstone-quartzite reported with no distinction between the two kinds of stone.

TABLE 3  
CRUSHED STONE SOLD OR USED IN THE UNITED STATES, BY GEOGRAPHIC DIVISION<sup>1,2</sup>

(Thousand metric tons and thousand dollars)

| Region/division    | 2012 <sup>3</sup> |            | 2013      |            |
|--------------------|-------------------|------------|-----------|------------|
|                    | Quantity          | Value      | Quantity  | Value      |
| Northeast:         |                   |            |           |            |
| New England        | 35,000            | 399,000    | 35,100    | 411,000    |
| Middle Atlantic    | 133,000           | 1,400,000  | 131,000   | 1,390,000  |
| Total              | 168,000           | 1,800,000  | 166,000   | 1,800,000  |
| Midwest:           |                   |            |           |            |
| East North Central | 193,000           | 1,530,000  | 185,000   | 1,520,000  |
| West North Central | 139,000           | 1,270,000  | 138,000   | 1,250,000  |
| Total              | 332,000           | 2,800,000  | 323,000   | 2,770,000  |
| South:             |                   |            |           |            |
| South Atlantic     | 225,000           | 2,840,000  | 236,000   | 3,010,000  |
| East South Central | 120,000           | 1,280,000  | 120,000   | 1,290,000  |
| West South Central | 202,000           | 1,580,000  | 207,000   | 1,720,000  |
| Total              | 548,000           | 5,700,000  | 563,000   | 6,020,000  |
| West:              |                   |            |           |            |
| Mountain           | 54,100            | 413,000    | 53,400    | 425,000    |
| Pacific            | 70,200            | 723,000    | 71,700    | 745,000    |
| Total              | 124,000           | 1,140,000  | 125,000   | 1,170,000  |
| Grand total        | 1,170,000         | 11,400,000 | 1,180,000 | 11,800,000 |

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

<sup>2</sup>Does not include American Samoa, Guam, Puerto Rico, and the U.S. Virgin Islands.

<sup>3</sup>Estimated quantities have been recalculated.

TABLE 4  
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE AND TERRITORY<sup>1</sup>

| State                    | 2012 <sup>2</sup>                     |                      |               | 2013                                  |                      |               |
|--------------------------|---------------------------------------|----------------------|---------------|---------------------------------------|----------------------|---------------|
|                          | Quantity<br>(thousand<br>metric tons) | Value<br>(thousands) | Unit<br>value | Quantity<br>(thousand<br>metric tons) | Value<br>(thousands) | Unit<br>value |
| Alabama                  | 34,400                                | \$300,000            | \$8.74        | 33,400                                | \$309,000            | \$9.25        |
| Alaska                   | 2,540                                 | 22,700               | 8.97          | 1,060                                 | 13,200               | 12.39         |
| Arizona                  | 6,810                                 | 60,100               | 8.83          | 8,260                                 | 73,000               | 8.84          |
| Arkansas                 | 24,100                                | 188,000              | 7.81          | 25,200                                | 197,000              | 7.83          |
| California               | 33,000                                | 319,000              | 9.66          | 34,600                                | 325,000              | 9.40          |
| Colorado                 | 7,830                                 | 63,800               | 8.15          | 9,010                                 | 74,500               | 8.27          |
| Connecticut              | 8,040                                 | 118,000              | 14.65         | 8,420                                 | 126,000              | 14.98         |
| Delaware <sup>3</sup>    | W                                     | W                    | W             | W                                     | W                    | W             |
| Florida                  | 47,100                                | 572,000              | 12.16         | 52,600                                | 630,000              | 11.97         |
| Georgia                  | 37,700                                | 451,000              | 11.96         | 40,300                                | 493,000              | 12.24         |
| Hawaii                   | 4,990                                 | 93,100               | 18.66         | 5,180                                 | 89,600               | 17.29         |
| Idaho                    | 4,590                                 | 30,900               | 6.74          | 3,820                                 | 24,000               | 6.30          |
| Illinois                 | 49,000                                | 479,000              | 9.78          | 45,600                                | 468,000              | 10.27         |
| Indiana                  | 42,700                                | 304,000              | 7.12          | 41,000                                | 304,000              | 7.41          |
| Iowa                     | 32,400                                | 302,000              | 9.34          | 30,700                                | 285,000              | 9.30          |
| Kansas                   | 15,900                                | 136,000              | 8.53          | 15,400                                | 132,000              | 8.53          |
| Kentucky                 | 44,400                                | 447,000              | 10.07         | 46,300                                | 452,000              | 9.78          |
| Louisiana <sup>3</sup>   | W                                     | W                    | W             | W                                     | W                    | W             |
| Maine                    | 3,840                                 | 31,500               | 8.19          | 3,690                                 | 30,900               | 8.37          |
| Maryland                 | 20,300                                | 188,000              | 9.25          | 19,700                                | 184,000              | 9.36          |
| Massachusetts            | 10,800                                | 131,000              | 12.14         | 10,100                                | 130,000              | 12.89         |
| Michigan                 | 24,900                                | 168,000              | 6.77          | 26,700                                | 193,000              | 7.22          |
| Minnesota                | 8,510                                 | 102,000              | 11.97         | 8,590                                 | 100,000              | 11.64         |
| Mississippi <sup>3</sup> | 2,120                                 | 53,100               | 25.12         | 1,920                                 | 52,200               | 27.21         |
| Missouri                 | 66,600                                | 593,000              | 8.91          | 68,000                                | 594,000              | 8.74          |
| Montana                  | 2,750                                 | 28,500               | 10.34         | 2,690                                 | 32,200               | 11.98         |
| Nebraska                 | 6,650                                 | 75,600               | 11.37         | 6,590                                 | 77,000               | 11.69         |
| Nevada                   | 8,350                                 | 80,900               | 9.69          | 7,940                                 | 80,700               | 10.17         |
| New Hampshire            | 4,630                                 | 39,800               | 8.61          | 4,890                                 | 43,300               | 8.85          |
| New Jersey               | 14,800                                | 124,000              | 8.38          | 17,200                                | 144,000              | 8.37          |
| New Mexico               | 4,950                                 | 41,400               | 8.37          | 5,040                                 | 41,500               | 8.25          |
| New York                 | 35,200                                | 376,000              | 10.66         | 34,600                                | 353,000              | 10.20         |
| North Carolina           | 41,100                                | 615,000              | 14.98         | 46,600                                | 715,000              | 15.33         |
| North Dakota             | 2,070                                 | 12,800               | 6.18          | 1,290                                 | 8,650                | 6.71          |
| Ohio                     | 54,500                                | 441,000              | 8.10          | 52,000                                | 425,000              | 8.19          |
| Oklahoma                 | 39,900                                | 303,000              | 7.59          | 39,800                                | 303,000              | 7.62          |
| Oregon                   | 14,800                                | 110,000              | 7.38          | 16,400                                | 129,000              | 7.86          |
| Pennsylvania             | 82,600                                | 897,000              | 10.85         | 79,200                                | 891,000              | 11.25         |
| Rhode Island             | 1,480                                 | 16,300               | 11.02         | 1,650                                 | 17,700               | 10.73         |
| South Carolina           | 19,100                                | 188,000              | 9.88          | 19,800                                | 205,000              | 10.31         |
| South Dakota             | 6,530                                 | 48,600               | 7.44          | 7,450                                 | 57,800               | 7.75          |
| Tennessee                | 38,800                                | 476,000              | 12.27         | 38,200                                | 474,000              | 12.41         |
| Texas                    | 134,000                               | 1,020,000            | 7.61          | 136,000                               | 1,100,000            | 8.12          |
| Utah                     | 7,370                                 | 56,900               | 7.72          | 7,260                                 | 59,300               | 8.16          |
| Vermont                  | 6,190                                 | 62,200               | 10.06         | 6,400                                 | 63,200               | 9.87          |
| Virginia                 | 44,000                                | 662,000              | 15.05         | 41,600                                | 626,000              | 15.05         |
| Washington               | 14,800                                | 179,000              | 12.08         | 14,400                                | 188,000              | 13.00         |
| West Virginia            | 15,700                                | 152,000              | 9.73          | 14,800                                | 148,000              | 9.98          |
| Wisconsin                | 22,300                                | 135,000              | 6.07          | 20,000                                | 129,000              | 6.45          |
| Wyoming                  | 11,400                                | 50,500               | 4.41          | 9,380                                 | 39,300               | 4.19          |
| Other                    | 5,020                                 | 82,500               | 16.43         | 6,480                                 | 127,000              | 19.60         |
| U.S. total or average    | 1,170,000                             | 11,400,000           | 9.76          | 1,180,000                             | 11,800,000           | 9.99          |

See footnotes at end of table.

TABLE 4—Continued  
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE AND TERRITORY<sup>1</sup>

| State<br>Territory          | 2012 <sup>2</sup>                     |                      |               | 2013                                  |                      |               |
|-----------------------------|---------------------------------------|----------------------|---------------|---------------------------------------|----------------------|---------------|
|                             | Quantity<br>(thousand<br>metric tons) | Value<br>(thousands) | Unit<br>value | Quantity<br>(thousand<br>metric tons) | Value<br>(thousands) | Unit<br>value |
| American Samoa <sup>4</sup> | (5)                                   | (5)                  | (5)           | (5)                                   | (5)                  | (5)           |
| Guam                        | (5)                                   | (5)                  | (5)           | (5)                                   | (5)                  | (5)           |
| Puerto Rico                 | 7,370                                 | 74,100               | 10.05         | 5,960                                 | 60,800               | 10.20         |
| Virgin Islands              | (5)                                   | (5)                  | (5)           | (5)                                   | (5)                  | (5)           |
| Grand total or average      | 1,180,000                             | 11,500,000           | 9.77          | 1,180,000                             | 11,800,000           | 10.00         |

W Withheld to avoid disclosing company proprietary data; included with "Other."

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

<sup>2</sup>Estimated quantities have been recalculated.

<sup>3</sup>A significant amount of sold or used material was shipped in from other States.

<sup>4</sup>Includes Tutuila Island and dependencies.

<sup>5</sup>Withheld to avoid disclosing company proprietary data; included in "Grand total or average."

TABLE 5A  
CRUSHED STONE SOLD OR USED IN THE UNITED STATES, BY SIZE OF OPERATION<sup>1,2</sup>

| Size range<br>(metric tons) | 2012 <sup>3</sup>       |                        |                                       |                        | 2013                    |                        |                                       |                        |
|-----------------------------|-------------------------|------------------------|---------------------------------------|------------------------|-------------------------|------------------------|---------------------------------------|------------------------|
|                             | Number of<br>operations | Percentage<br>of total | Quantity<br>(thousand<br>metric tons) | Percentage<br>of total | Number of<br>operations | Percentage<br>of total | Quantity<br>(thousand<br>metric tons) | Percentage<br>of total |
| Less than 25,000            | 666                     | 18.4                   | 4,840                                 | 0.4                    | 611                     | 17.5                   | 4,900                                 | 0.4                    |
| 25,000 to 49,999            | 319                     | 8.8                    | 10,800                                | 0.9                    | 304                     | 8.7                    | 10,300                                | 0.9                    |
| 50,000 to 99,999            | 453                     | 12.5                   | 29,900                                | 2.6                    | 466                     | 13.3                   | 31,300                                | 2.7                    |
| 100,000 to 199,999          | 559                     | 15.5                   | 73,800                                | 6.3                    | 512                     | 14.6                   | 67,000                                | 5.7                    |
| 200,000 to 299,999          | 378                     | 10.5                   | 85,100                                | 7.3                    | 367                     | 10.5                   | 82,100                                | 7.0                    |
| 300,000 to 399,999          | 251                     | 6.9                    | 78,800                                | 6.7                    | 276                     | 7.9                    | 87,000                                | 7.4                    |
| 400,000 to 499,999          | 221                     | 6.1                    | 89,800                                | 7.7                    | 215                     | 6.1                    | 86,800                                | 7.4                    |
| 500,000 to 599,999          | 177                     | 4.9                    | 87,600                                | 7.5                    | 145                     | 4.1                    | 72,200                                | 6.1                    |
| 600,000 to 699,999          | 97                      | 2.7                    | 57,000                                | 4.9                    | 110                     | 3.1                    | 65,000                                | 5.5                    |
| 700,000 to 799,999          | 86                      | 2.4                    | 58,000                                | 5.0                    | 74                      | 2.1                    | 50,200                                | 4.3                    |
| 800,000 to 899,999          | 73                      | 2.0                    | 55,900                                | 4.8                    | 72                      | 2.1                    | 55,500                                | 4.7                    |
| 900,000 to 999,999          | 48                      | 1.3                    | 41,300                                | 3.5                    | 48                      | 1.4                    | 41,200                                | 3.5                    |
| 1,000,000 to 1,499,999      | 146                     | 4.0                    | 160,000                               | 13.7                   | 151                     | 4.3                    | 167,000                               | 14.2                   |
| 1,500,000 to 1,999,999      | 67                      | 1.9                    | 106,000                               | 9.0                    | 66                      | 1.9                    | 103,000                               | 8.7                    |
| 2,000,000 to 2,499,999      | 20                      | 0.6                    | 39,300                                | 3.4                    | 25                      | 0.7                    | 49,800                                | 4.2                    |
| 2,500,000 to 4,999,999      | 41                      | 1.1                    | 119,000                               | 10.1                   | 43                      | 1.2                    | 131,000                               | 11.1                   |
| 5,000,000 and more          | 12                      | 0.3                    | 74,500                                | 6.4                    | 11                      | 0.3                    | 73,800                                | 6.3                    |
| Total                       | 3,614                   | 100                    | 1,170,000                             | 100                    | 3,496                   | 100                    | 1,180,000                             | 100                    |

<sup>1</sup>Data are rounded to no more than three significant digits except "Number of operations"; may not add to totals shown.

<sup>2</sup>Does not include recycle plants.

<sup>3</sup>Estimated quantities have been recalculated.

TABLE 5B  
CRUSHED STONE SOLD OR USED IN THE UNITED STATES IN 2013, BY REGION AND SIZE OF OPERATION<sup>1,2</sup>

| Size range<br>(metric tons) | Northeast               |                        |                                       |                        | Midwest                 |                        |                                       |                        |
|-----------------------------|-------------------------|------------------------|---------------------------------------|------------------------|-------------------------|------------------------|---------------------------------------|------------------------|
|                             | Number of<br>operations | Percentage<br>of total | Quantity<br>(thousand<br>metric tons) | Percentage<br>of total | Number of<br>operations | Percentage<br>of total | Quantity<br>(thousand<br>metric tons) | Percentage<br>of total |
| Less than 25,000            | 80                      | 14.4                   | 640                                   | 0.4                    | 158                     | 15.7                   | 1,450                                 | 0.4                    |
| 25,000 to 49,999            | 45                      | 8.1                    | 1,510                                 | 0.9                    | 83                      | 8.2                    | 2,770                                 | 0.9                    |
| 50,000 to 99,999            | 79                      | 14.3                   | 5,390                                 | 3.2                    | 140                     | 13.9                   | 9,440                                 | 2.9                    |
| 100,000 to 199,999          | 88                      | 15.9                   | 11,600                                | 7.0                    | 166                     | 16.5                   | 21,500                                | 6.6                    |
| 200,000 to 299,999          | 61                      | 11.0                   | 13,500                                | 8.1                    | 124                     | 12.3                   | 27,700                                | 8.6                    |
| 300,000 to 399,999          | 53                      | 9.6                    | 16,700                                | 10.1                   | 74                      | 7.3                    | 23,400                                | 7.2                    |
| 400,000 to 499,999          | 33                      | 6.0                    | 13,400                                | 8.1                    | 77                      | 7.6                    | 30,900                                | 9.6                    |
| 500,000 to 599,999          | 28                      | 5.1                    | 13,900                                | 8.4                    | 34                      | 3.4                    | 16,800                                | 5.2                    |
| 600,000 to 699,999          | 22                      | 4.0                    | 12,800                                | 7.7                    | 37                      | 3.7                    | 21,900                                | 6.8                    |
| 700,000 to 799,999          | 11                      | 2.0                    | 7,530                                 | 4.5                    | 16                      | 1.6                    | 11,000                                | 3.4                    |
| 800,000 to 899,999          | 11                      | 2.0                    | 8,470                                 | 5.1                    | 13                      | 1.3                    | 10,200                                | 3.1                    |
| 900,000 to 999,999          | 11                      | 2.0                    | 9,480                                 | 5.7                    | 14                      | 1.4                    | 11,900                                | 3.7                    |
| 1,000,000 to 1,499,999      | 16                      | 2.9                    | 18,000                                | 10.8                   | 36                      | 3.6                    | 40,300                                | 12.5                   |
| 1,500,000 to 1,999,999      | 8                       | 1.4                    | 12,300                                | 7.4                    | 16                      | 1.6                    | 25,200                                | 7.8                    |
| 2,000,000 to 2,499,999      | 2                       | 0.4                    | 3,960                                 | 2.4                    | 6                       | 0.6                    | 11,900                                | 3.7                    |
| 2,500,000 and more          | 6                       | 1.1                    | 16,800                                | 10.1                   | 15                      | 1.5                    | 56,900                                | 17.6                   |
| Total                       | 554                     | 100                    | 166,000                               | 100                    | 1,009                   | 100                    | 323,000                               | 100                    |
| Size range<br>(metric tons) | South                   |                        |                                       |                        | West                    |                        |                                       |                        |
|                             | Number of<br>operations | Percentage<br>of total | Quantity<br>(thousand<br>metric tons) | Percentage<br>of total | Number of<br>operations | Percentage<br>of total | Quantity<br>(thousand<br>metric tons) | Percentage<br>of total |
| Less than 25,000            | 154                     | 12.4                   | 1,370                                 | 0.2                    | 219                     | 31.7                   | 1,450                                 | 1.2                    |
| 25,000 to 49,999            | 81                      | 6.5                    | 2,810                                 | 0.5                    | 95                      | 13.8                   | 3,160                                 | 2.5                    |
| 50,000 to 99,999            | 121                     | 9.7                    | 8,160                                 | 1.4                    | 126                     | 18.3                   | 8,270                                 | 6.6                    |
| 100,000 to 199,999          | 168                     | 13.5                   | 22,200                                | 3.9                    | 90                      | 13.0                   | 11,700                                | 9.3                    |
| 200,000 to 299,999          | 138                     | 11.1                   | 30,900                                | 5.5                    | 44                      | 6.4                    | 10,000                                | 8.0                    |
| 300,000 to 399,999          | 121                     | 9.7                    | 37,800                                | 6.7                    | 28                      | 4.1                    | 9,080                                 | 7.2                    |
| 400,000 to 499,999          | 84                      | 6.8                    | 34,100                                | 6.1                    | 21                      | 3.0                    | 8,470                                 | 6.8                    |
| 500,000 to 599,999          | 73                      | 5.9                    | 36,500                                | 6.5                    | 10                      | 1.4                    | 4,990                                 | 4.0                    |
| 600,000 to 699,999          | 42                      | 3.4                    | 24,900                                | 4.4                    | 9                       | 1.3                    | 5,390                                 | 4.3                    |
| 700,000 to 799,999          | 44                      | 3.5                    | 29,700                                | 5.3                    | 3                       | 0.4                    | 2,000                                 | 1.6                    |
| 800,000 to 899,999          | 38                      | 3.1                    | 29,000                                | 5.2                    | 10                      | 1.4                    | 7,810                                 | 6.2                    |
| 900,000 to 999,999          | 18                      | 1.4                    | 15,600                                | 2.8                    | 5                       | 0.7                    | 4,240                                 | 3.4                    |
| 1,000,000 to 1,499,999      | 84                      | 6.8                    | 92,100                                | 16.4                   | 15                      | 2.2                    | 16,200                                | 13.0                   |
| 1,500,000 to 1,999,999      | 35                      | 2.8                    | 53,700                                | 9.5                    | 7                       | 1.0                    | 11,300                                | 9.0                    |
| 2,000,000 to 2,499,999      | 16                      | 1.3                    | 32,000                                | 5.7                    | 1                       | 0.1                    | 2,020                                 | 1.6                    |
| 2,500,000 and more          | 26                      | 2.1                    | 112,000                               | 19.9                   | 7                       | 1.0                    | 19,100                                | 15.3                   |
| Total                       | 1,243                   | 100                    | 563,000                               | 100                    | 690                     | 100                    | 125,000                               | 100                    |

<sup>1</sup>Data are rounded to no more than three significant digits except "Number of operations"; may not add to totals shown.

<sup>2</sup>Does not include recycle plants.

TABLE 6  
LIMESTONE, DOLOMITE, CALCAREOUS MARL, AND MARBLE SOLD OR USED BY PRODUCERS IN THE UNITED STATES  
IN 2013, BY STATE<sup>1</sup>

(Thousand metric tons and thousand dollars)

| State          | Limestone            |           | Dolomite |         | Calcareous marl |       | Marble   |        |
|----------------|----------------------|-----------|----------|---------|-----------------|-------|----------|--------|
|                | Quantity             | Value     | Quantity | Value   | Quantity        | Value | Quantity | Value  |
| Alabama        | 26,200 <sup>2</sup>  | 251,000   | 2,190    | 21,100  | --              | --    | (3)      | (3)    |
| Alaska         | --                   | --        | --       | --      | --              | --    | --       | --     |
| Arizona        | 3,080 <sup>2</sup>   | 29,100    | --       | --      | --              | --    | --       | --     |
| Arkansas       | 11,100               | 79,500    | 757      | 7,180   | --              | --    | --       | --     |
| California     | 14,800 <sup>2</sup>  | 116,000   | 162      | 1,040   | --              | --    | --       | --     |
| Colorado       | 550                  | 4,860     | 24       | 195     | --              | --    | 58       | 476    |
| Connecticut    | 1,270 <sup>2</sup>   | 26,400    | (4)      | (4)     | --              | --    | 221      | 3,060  |
| Delaware       | (3)                  | (3)       | --       | --      | --              | --    | --       | --     |
| Florida        | 51,300 <sup>2</sup>  | 613,000   | (4)      | (4)     | --              | --    | --       | --     |
| Georgia        | 4,680                | 58,900    | --       | --      | --              | --    | 1,750    | 31,000 |
| Hawaii         | --                   | --        | --       | --      | --              | --    | --       | --     |
| Idaho          | 146                  | 3,850     | --       | --      | --              | --    | --       | --     |
| Illinois       | 35,300 <sup>2</sup>  | 351,000   | 9,950    | 115,000 | --              | --    | --       | --     |
| Indiana        | 41,000 <sup>2</sup>  | 303,000   | (4)      | (4)     | --              | --    | --       | --     |
| Iowa           | 30,500 <sup>2</sup>  | 283,000   | 203      | 1,760   | --              | --    | --       | --     |
| Kansas         | 14,300 <sup>2</sup>  | 122,000   | --       | --      | --              | --    | --       | --     |
| Kentucky       | 46,100 <sup>2</sup>  | 451,000   | --       | --      | --              | --    | --       | --     |
| Louisiana      | (3)                  | (3)       | --       | --      | --              | --    | --       | --     |
| Maine          | 1,620                | 10,800    | --       | --      | --              | --    | --       | --     |
| Maryland       | 12,300 <sup>2</sup>  | 107,000   | --       | --      | --              | --    | (3)      | (3)    |
| Massachusetts  | 759 <sup>2</sup>     | 18,100    | 809      | 9,840   | --              | --    | --       | --     |
| Michigan       | 25,800 <sup>2</sup>  | 187,000   | (4)      | (4)     | (3)             | (3)   | --       | --     |
| Minnesota      | 4,700 <sup>2</sup>   | 52,900    | (4)      | (4)     | --              | --    | --       | --     |
| Mississippi    | 1,910                | 52,000    | --       | --      | (3)             | (3)   | --       | --     |
| Missouri       | 63,100 <sup>2</sup>  | 487,000   | 1,700    | 13,800  | --              | --    | 4        | 35     |
| Montana        | 1,800                | 23,400    | --       | --      | --              | --    | --       | --     |
| Nebraska       | 6,480                | 73,600    | --       | --      | --              | --    | --       | --     |
| Nevada         | 3,640                | 33,800    | (4)      | (4)     | --              | --    | --       | --     |
| New Hampshire  | 65                   | 573       | --       | --      | --              | --    | --       | --     |
| New Jersey     | 315                  | 2,780     | --       | --      | --              | --    | --       | --     |
| New Mexico     | 2,440                | 21,100    | --       | --      | --              | --    | --       | --     |
| New York       | 22,800 <sup>2</sup>  | 226,000   | 5,540    | 58,100  | --              | --    | 22       | 219    |
| North Carolina | 3,190                | 47,300    | 292      | 4,510   | --              | --    | --       | --     |
| North Dakota   | --                   | --        | --       | --      | --              | --    | --       | --     |
| Ohio           | 50,000 <sup>2</sup>  | 408,000   | 1,660    | 13,900  | --              | --    | --       | --     |
| Oklahoma       | 33,300 <sup>2</sup>  | 247,000   | 267      | 1,970   | --              | --    | --       | --     |
| Oregon         | 1,260                | 7,720     | --       | --      | --              | --    | --       | --     |
| Pennsylvania   | 47,000 <sup>2</sup>  | 574,000   | 7,680    | 69,000  | --              | --    | 84       | 642    |
| Rhode Island   | --                   | --        | --       | --      | --              | --    | --       | --     |
| South Carolina | 5,070                | 33,500    | --       | --      | (3)             | (3)   | (3)      | (3)    |
| South Dakota   | 3,110                | 20,600    | --       | --      | --              | --    | --       | --     |
| Tennessee      | 36,300 <sup>2</sup>  | 455,000   | 349      | 4,250   | --              | --    | --       | --     |
| Texas          | 123,000 <sup>2</sup> | 998,000   | --       | --      | (3)             | (3)   | (3)      | (3)    |
| Utah           | 3,790                | 34,900    | 1,410    | 11,500  | --              | --    | --       | --     |
| Vermont        | 2,270 <sup>2</sup>   | 21,500    | (4)      | (4)     | --              | --    | 1,370    | 13,600 |
| Virginia       | 13,500 <sup>2</sup>  | 193,000   | (4)      | (4)     | --              | --    | (3)      | (3)    |
| Washington     | 974 <sup>2</sup>     | 18,200    | (4)      | (4)     | --              | --    | 164      | 13,900 |
| West Virginia  | 14,000               | 137,000   | --       | --      | --              | --    | --       | --     |
| Wisconsin      | 16,700 <sup>2</sup>  | 108,000   | (4)      | (4)     | --              | --    | 52       | 338    |
| Wyoming        | 3,110 <sup>2</sup>   | 15,000    | --       | --      | --              | --    | --       | --     |
| Total          | 785,000              | 7,310,000 | 33,000   | 333,000 | --              | --    | 3,720    | 63,300 |

-- Zero.

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

<sup>2</sup>Includes limestone-dolomite reported with no distinction between the two kinds of stone.

<sup>3</sup>Withheld to avoid disclosing company proprietary data; included with "Miscellaneous stone" in table 8.

<sup>4</sup>Withheld to avoid disclosing company proprietary data; included with "Limestone."

TABLE 7  
 GRANITE, TRAPROCK, SANDSTONE AND QUARTZITE, AND SLATE SOLD OR USED BY PRODUCERS IN THE UNITED STATES  
 IN 2013, BY STATE<sup>1</sup>

(Thousand metric tons and thousand dollars)

| State          | Granite  |           | Traprock |         | Sandstone and quartzite <sup>2</sup> |         | Slate    |        |
|----------------|----------|-----------|----------|---------|--------------------------------------|---------|----------|--------|
|                | Quantity | Value     | Quantity | Value   | Quantity                             | Value   | Quantity | Value  |
| Alabama        | (3)      | (3)       | --       | --      | 654                                  | 6,530   | 525      | 4,910  |
| Alaska         | 108      | 1,090     | 43       | 259     | --                                   | --      | --       | --     |
| Arizona        | 2,670    | 26,100    | (3)      | (3)     | 779                                  | 5,430   | --       | --     |
| Arkansas       | 4,780    | 39,900    | --       | --      | 7,350                                | 61,400  | 127      | 977    |
| California     | 10,300   | 101,000   | 5,320    | 56,000  | 708                                  | 12,900  | (3)      | (3)    |
| Colorado       | 4,790    | 33,900    | 2        | 10      | 2,360                                | 19,900  | --       | --     |
| Connecticut    | 736      | 10,400    | 5,310    | 74,000  | --                                   | --      | --       | --     |
| Delaware       | --       | --        | (3)      | (3)     | --                                   | --      | --       | --     |
| Florida        | 478      | 7,870     | --       | --      | 83                                   | 1,010   | --       | --     |
| Georgia        | 33,100   | 395,000   | --       | --      | 720                                  | 7,930   | 20       | 575    |
| Hawaii         | --       | --        | 4,800    | 83,800  | --                                   | --      | --       | --     |
| Idaho          | 211      | 1,080     | 799      | 4,220   | (3)                                  | (3)     | --       | --     |
| Illinois       | --       | --        | --       | --      | 12                                   | 100     | --       | --     |
| Indiana        | --       | --        | --       | --      | --                                   | --      | --       | --     |
| Iowa           | --       | --        | --       | --      | --                                   | --      | --       | --     |
| Kansas         | --       | --        | --       | --      | 1,160                                | 9,910   | --       | --     |
| Kentucky       | --       | --        | --       | --      | --                                   | --      | --       | --     |
| Louisiana      | --       | --        | --       | --      | (3)                                  | (3)     | --       | --     |
| Maine          | 1,510    | 14,600    | 50       | 666     | 237                                  | 1,940   | --       | --     |
| Maryland       | 2,790    | 27,000    | (3)      | (3)     | (3)                                  | (3)     | --       | --     |
| Massachusetts  | 3,000    | 35,900    | 3,630    | 43,700  | --                                   | --      | --       | --     |
| Michigan       | --       | --        | (3)      | (3)     | --                                   | --      | --       | --     |
| Minnesota      | 3,330    | 42,100    | --       | --      | (3)                                  | (3)     | --       | --     |
| Mississippi    | --       | --        | --       | --      | --                                   | --      | --       | --     |
| Missouri       | (3)      | (3)       | 995      | 9,060   | 912                                  | 9,990   | --       | --     |
| Montana        | (3)      | (3)       | (3)      | (3)     | (3)                                  | (3)     | --       | --     |
| Nebraska       | --       | --        | --       | --      | (3)                                  | (3)     | --       | --     |
| Nevada         | 149      | 1,340     | (3)      | (3)     | 2                                    | 20      | --       | --     |
| New Hampshire  | 2,480    | 22,500    | 1,690    | 15,400  | 192                                  | 1,690   | --       | --     |
| New Jersey     | 7,600    | 71,100    | 9,250    | 69,700  | --                                   | --      | --       | --     |
| New Mexico     | --       | --        | --       | --      | 240                                  | 1,420   | --       | --     |
| New York       | 1,350    | 15,800    | (3)      | (3)     | 1,490                                | 14,200  | 10       | 104    |
| North Carolina | 35,000   | 537,000   | 5,720    | 88,300  | --                                   | --      | 601      | 8,860  |
| North Dakota   | --       | --        | --       | --      | 428                                  | 2,720   | --       | --     |
| Ohio           | --       | --        | --       | --      | 250                                  | 2,110   | --       | --     |
| Oklahoma       | 3,420    | 31,300    | 18       | 132     | 717                                  | 5,700   | --       | --     |
| Oregon         | (3)      | (3)       | 7,170    | 58,600  | (3)                                  | (3)     | --       | --     |
| Pennsylvania   | 2,440    | 26,300    | 5,070    | 49,600  | 8,900                                | 91,300  | 892      | 9,780  |
| Rhode Island   | 765      | 8,110     | 802      | 8,720   | --                                   | --      | --       | --     |
| South Carolina | 12,600   | 159,000   | --       | --      | --                                   | --      | --       | --     |
| South Dakota   | 106      | 698       | --       | --      | 3,200                                | 25,000  | 12       | 96     |
| Tennessee      | 680      | 5,000     | --       | --      | 549                                  | 6,770   | --       | --     |
| Texas          | (3)      | (3)       | (3)      | (3)     | 6,180                                | 39,900  | --       | --     |
| Utah           | --       | --        | --       | --      | (3)                                  | (3)     | --       | --     |
| Vermont        | 408      | 4,150     | 86       | 943     | 1,290                                | 13,000  | 209      | 2,090  |
| Virginia       | 17,800   | 278,000   | 8,440    | 127,000 | 866                                  | 12,000  | 5        | 69     |
| Washington     | 710      | 8,890     | 6,250    | 70,600  | (3)                                  | (3)     | (3)      | (3)    |
| West Virginia  | --       | --        | --       | --      | 818                                  | 10,700  | --       | --     |
| Wisconsin      | 2,210    | 14,000    | 918      | 6,060   | (3)                                  | (3)     | --       | --     |
| Wyoming        | 1,600    | 10,400    | --       | --      | 318                                  | 1,560   | --       | --     |
| Total          | 157,000  | 1,930,000 | 66,400   | 767,000 | 40,400                               | 365,000 | 2,400    | 27,500 |

-- Zero.

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

<sup>2</sup>Includes sandstone-quartzite reported with no distinction between the two kinds of stone.

<sup>3</sup>Withheld to avoid disclosing company proprietary data; included with "Miscellaneous stone" in table 8.

TABLE 8  
SHELL, VOLCANIC CINDER AND SCORIA, AND MISCELLANEOUS STONE SOLD OR USED  
BY PRODUCERS IN THE UNITED STATES IN 2013, BY STATE<sup>1</sup>

(Thousand metric tons and thousand dollars)

| State          | Shell    |       | Volcanic cinder and scoria |        | Miscellaneous stone |         |
|----------------|----------|-------|----------------------------|--------|---------------------|---------|
|                | Quantity | Value | Quantity                   | Value  | Quantity            | Value   |
| Alabama        | --       | --    | --                         | --     | 3,760               | 24,900  |
| Alaska         | --       | --    | --                         | --     | 912                 | 11,800  |
| Arizona        | --       | --    | 211                        | 2,010  | 1,520               | 10,400  |
| Arkansas       | --       | --    | --                         | --     | 1,100               | 8,410   |
| California     | (2)      | (2)   | 158                        | 1,880  | 3,110               | 36,400  |
| Colorado       | --       | --    | (2)                        | (2)    | 1,220               | 15,200  |
| Connecticut    | --       | --    | --                         | --     | 887                 | 12,300  |
| Delaware       | --       | --    | --                         | --     | W                   | W       |
| Florida        | 614      | 7,060 | --                         | --     | 94                  | 1,140   |
| Georgia        | --       | --    | --                         | --     | --                  | --      |
| Hawaii         | --       | --    | 28                         | 522    | 350                 | 5,310   |
| Idaho          | --       | --    | 21                         | 153    | 2,640               | 14,700  |
| Illinois       | --       | --    | --                         | --     | 293                 | 2,390   |
| Indiana        | --       | --    | --                         | --     | 36                  | 252     |
| Iowa           | --       | --    | --                         | --     | 27                  | 306     |
| Kansas         | --       | --    | --                         | --     | --                  | --      |
| Kentucky       | --       | --    | --                         | --     | 190                 | 1,910   |
| Louisiana      | (2)      | (2)   | --                         | --     | W                   | W       |
| Maine          | --       | --    | --                         | --     | 274                 | 2,840   |
| Maryland       | --       | --    | --                         | --     | 4,590               | 50,300  |
| Massachusetts  | --       | --    | --                         | --     | 1,880               | 22,300  |
| Michigan       | --       | --    | --                         | --     | 857                 | 5,180   |
| Minnesota      | --       | --    | --                         | --     | 554                 | 5,020   |
| Mississippi    | --       | --    | --                         | --     | 5                   | 113     |
| Missouri       | --       | --    | --                         | --     | 1,290               | 74,400  |
| Montana        | --       | --    | (2)                        | (2)    | 894                 | 8,800   |
| Nebraska       | --       | --    | --                         | --     | 107                 | 3,460   |
| Nevada         | --       | --    | (2)                        | (2)    | 4,290               | 46,100  |
| New Hampshire  | --       | --    | --                         | --     | 472                 | 3,220   |
| New Jersey     | --       | --    | --                         | --     | --                  | --      |
| New Mexico     | --       | --    | 176                        | 1,610  | 2,180               | 17,400  |
| New York       | --       | --    | --                         | --     | 3,400               | 38,800  |
| North Carolina | --       | --    | --                         | --     | 1,830               | 28,700  |
| North Dakota   | --       | --    | 578                        | 4,010  | 283                 | 1,930   |
| Ohio           | --       | --    | --                         | --     | 95                  | 1,540   |
| Oklahoma       | --       | --    | --                         | --     | 2,130               | 17,600  |
| Oregon         | --       | --    | (2)                        | (2)    | 8,010               | 62,900  |
| Pennsylvania   | --       | --    | --                         | --     | 7,100               | 70,500  |
| Rhode Island   | --       | --    | --                         | --     | 85                  | 905     |
| South Carolina | --       | --    | --                         | --     | 2,190               | 12,100  |
| South Dakota   | --       | --    | --                         | --     | 1,030               | 11,400  |
| Tennessee      | --       | --    | --                         | --     | 299                 | 3,460   |
| Texas          | --       | --    | --                         | --     | 6,670               | 65,500  |
| Utah           | --       | --    | 2                          | 14     | 2,100               | 13,700  |
| Vermont        | --       | --    | --                         | --     | 767                 | 7,850   |
| Virginia       | --       | --    | --                         | --     | 988                 | 14,600  |
| Washington     | --       | --    | 54                         | 699    | 6,290               | 75,500  |
| West Virginia  | --       | --    | --                         | --     | --                  | --      |
| Wisconsin      | --       | --    | --                         | --     | 127                 | 775     |
| Wyoming        | --       | --    | 865                        | 4,400  | 3,490               | 7,940   |
| Other          | --       | --    | --                         | --     | 6,480               | 127,000 |
| Total          | 614      | 7,060 | 2,090                      | 15,300 | 86,900              | 947,000 |

W Withheld to avoid disclosing company proprietary data; included with "Other." -- Zero.

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

<sup>2</sup>Withheld to avoid disclosing company proprietary data; included with "Miscellaneous stone."

TABLE 9  
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY USE<sup>1</sup>

| Use  | 2012 <sup>2</sup>                     |                      |               | 2013                                  |                      |               |
|--|---------------------------------------|----------------------|---------------|---------------------------------------|----------------------|---------------|
|  | Quantity<br>(thousand<br>metric tons) | Value<br>(thousands) | Unit<br>value | Quantity<br>(thousand<br>metric tons) | Value<br>(thousands) | Unit<br>value |
| Construction:  |                                       |                      |               |                                       |                      |               |
| Coarse aggregate (+1½ inch):                           |                                       |                      |               |                                       |                      |               |
| Macadam  | 668                                   | \$6,810              | \$10.20       | 1,510                                 | \$13,900             | \$9.22        |
| Riprap and jetty stone                                 | 9,300                                 | 107,000              | 11.50         | 8,970                                 | 103,000              | 11.46         |
| Filter stone   | 2,720                                 | 26,600               | 9.78          | 3,210                                 | 32,700               | 10.20         |
| Unspecified coarse aggregate                           | 13,400                                | 137,000              | 10.25         | 16,400                                | 193,000              | 11.77         |
| Coarse aggregate, graded:                              |                                       |                      |               |                                       |                      |               |
| Concrete aggregate, coarse                             | 29,300                                | 285,000              | 9.73          | 25,000                                | 251,000              | 10.04         |
| Bituminous aggregate, coarse                           | 16,200                                | 170,000              | 10.47         | 15,900                                | 162,000              | 10.23         |
| Bituminous surface-treatment aggregate                 | 4,810                                 | 60,900               | 12.66         | 3,340                                 | 44,900               | 13.45         |
| Railroad ballast                                       | 6,560                                 | 65,700               | 10.02         | 3,830                                 | 38,300               | 9.99          |
| Unspecified graded coarse aggregate                    | 76,000                                | 987,000              | 13.00         | 85,900                                | 1,160,000            | 13.48         |
| Fine aggregate (- ¾ inch):                             |                                       |                      |               |                                       |                      |               |
| Stone sand, concrete                                   | 4,180                                 | 43,700               | 10.45         | 2,530                                 | 27,800               | 11.00         |
| Stone sand, bituminous mix or seal                     | 4,290                                 | 43,600               | 10.17         | 6,500                                 | 60,900               | 9.38          |
| Screening, undesignated                                | 6,420                                 | 58,900               | 9.17          | 7,800                                 | 67,900               | 8.70          |
| Unspecified fine aggregate                             | 28,900                                | 311,000              | 10.77         | 30,700                                | 355,000              | 11.57         |
| Coarse and fine aggregates:                            |                                       |                      |               |                                       |                      |               |
| Graded road base or subbase                            | 60,000                                | 449,000              | 7.48          | 57,800                                | 439,000              | 7.59          |
| Unpaved road surfacing                                 | 8,150                                 | 74,600               | 9.15          | 7,310                                 | 67,100               | 9.17          |
| Terrazzo and exposed aggregate                         | 902                                   | 9,770                | 10.83         | 1,590                                 | 34,700               | 21.88         |
| Crusher run or fill or waste                           | 19,700                                | 134,000              | 6.80          | 18,400                                | 136,000              | 7.40          |
| Roofing granules                                       | 956                                   | 79,200               | 82.84         | W                                     | W                    | W             |
| Unspecified coarse and fine aggregates                 | 94,000                                | 867,000              | 9.23          | 97,800                                | 948,000              | 9.69          |
| Unspecified and other construction materials           | 4,500                                 | 41,300               | 9.18          | 3,610                                 | 38,900               | 10.77         |
| Agricultural:  |                                       |                      |               |                                       |                      |               |
| Agricultural limestone                                 | 12,000                                | 113,000              | 9.45          | 8,300                                 | 84,500               | 10.18         |
| Poultry grit and mineral food                          | 1,160                                 | 21,300               | 18.32         | 1,170                                 | 14,700               | 12.54         |
| Unspecified and other agricultural uses                | 536                                   | 15,400               | 28.73         | 465                                   | 12,300               | 26.50         |
| Chemical and metallurgical:                            |                                       |                      |               |                                       |                      |               |
| Cement manufacture                                     | 58,200                                | 259,000              | 4.44          | 60,800                                | 302,000              | 4.96          |
| Lime manufacture                                       | 12,700                                | 199,000              | 15.68         | 19,300                                | 213,000              | 11.04         |
| Dead-burned dolomite manufacture                       | --                                    | --                   | --            | --                                    | --                   | --            |
| Flux stone   | 1,630                                 | 18,700               | 11.48         | 2,920                                 | 24,800               | 8.49          |
| Chemical stone   | 362                                   | 5,970                | 16.47         | 237                                   | 2,440                | 10.29         |
| Glass manufacture                                      | W                                     | W                    | W             | 321                                   | 7,650                | 24            |
| Sulfur oxide removal                                   | 5,940                                 | 64,000               | 10.78         | 6,650                                 | 60,500               | 9.09          |
| Special:   |                                       |                      |               |                                       |                      |               |
| Mine dusting or acid water treatment                   | 484                                   | 22,700               | 46.97         | 367                                   | 14,700               | 39.88         |
| Asphalt fillers or extenders                           | 623                                   | 9,130                | 14.66         | 327                                   | 5,560                | 17.01         |
| Whiting or whiting substitute                          | 122                                   | 2,100                | 17.12         | 764                                   | 8,150                | 10.68         |
| Other fillers or extenders                             | 3,160                                 | 56,400               | 17.87         | 3,170                                 | 65,700               | 20.72         |
| Other miscellaneous uses and specified uses not listed | 3,190                                 | 40,700               | 12.75         | 6,610                                 | 119,000              | 18.06         |
| Unspecified: <sup>3</sup>                              |                                       |                      |               |                                       |                      |               |
| Reported   | 326,000                               | 3,240,000            | 9.94          | 340,000                               | 3,450,000            | 10.14         |
| Estimated  | 355,000                               | 3,400,000            | 9.59          | 327,000                               | 3,200,000            | 9.79          |
| Total or average                                       | 1,170,000                             | 11,400,000           | 9.76          | 1,180,000                             | 11,800,000           | 9.99          |

W Withheld to avoid disclosing company proprietary data; included in "Other miscellaneous uses and specified uses not listed." -- Zero.

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

<sup>2</sup>Estimated quantities have been recalculated.

<sup>3</sup>Reported and estimated production without a breakdown by end use.

TABLE 10  
LIMESTONE AND DOLOMITE SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 2013, BY USE<sup>1</sup>

(Thousand metric tons and thousand dollars)

| Use  | Limestone <sup>2</sup> |           |            | Dolomite |         |            |
|--|------------------------|-----------|------------|----------|---------|------------|
|  | Quantity               | Value     | Unit value | Quantity | Value   | Unit value |
| Construction:  |                        |           |            |          |         |            |
| Coarse aggregate (+1½ inch):                           |                        |           |            |          |         |            |
| Macadam  | 1,030                  | 8,340     | \$8.13     | 10       | 91      | \$9.54     |
| Riprap and jetty stone                                 | 6,360                  | 67,000    | 10.54      | 196      | 2,750   | 14.09      |
| Filter stone   | 2,000                  | 17,900    | 8.98       | 20       | 263     | 13.17      |
| Unspecified coarse aggregate                           | 12,100                 | 135,000   | 11.13      | 433      | 4,080   | 9.43       |
| Coarse aggregate, graded:                              |                        |           |            |          |         |            |
| Concrete aggregate, coarse                             | 14,900                 | 139,000   | 9.38       | 3,120    | 30,000  | 9.61       |
| Bituminous aggregate, coarse                           | 7,110                  | 72,900    | 10.26      | 1,050    | 8,700   | 8.32       |
| Bituminous surface-treatment aggregate                 | 1,650                  | 17,600    | 10.66      | 325      | 4,690   | 14.43      |
| Railroad ballast                                       | 730                    | 6,770     | 9.28       | 101      | 747     | 7.42       |
| Unspecified graded coarse aggregate                    | 52,900                 | 691,000   | 13.07      | 2,260    | 25,600  | 11.34      |
| Fine aggregate (- 3/8 inch):                           |                        |           |            |          |         |            |
| Stone sand, concrete                                   | 1,330                  | 13,200    | 9.94       | 102      | 1,180   | 11.58      |
| Stone sand, bituminous mix or seal                     | 3,110                  | 27,100    | 8.72       | 658      | 6,670   | 10.14      |
| Screening, undesignated                                | 3,650                  | 23,100    | 6.35       | 828      | 17,800  | 21.49      |
| Unspecified fine aggregate                             | 19,000                 | 216,000   | 11.35      | 1,120    | 12,800  | 11.46      |
| Coarse and fine aggregates:                            |                        |           |            |          |         |            |
| Graded road base or subbase                            | 41,300                 | 299,000   | 7.26       | 1,370    | 10,500  | 7.69       |
| Unpaved road surfacing                                 | 5,530                  | 51,700    | 9.34       | 388      | 3,790   | 9.75       |
| Terrazzo and exposed aggregate                         | 76                     | 833       | 10.95      | 24       | 887     | 36.56      |
| Crusher run or fill or waste                           | 13,900                 | 96,400    | 6.95       | 912      | 8,450   | 9.26       |
| Roofing granules                                       | W                      | W         | W          | W        | W       | W          |
| Unspecified coarse and fine aggregates                 | 71,800                 | 692,000   | 9.64       | 2,140    | 17,600  | 8.24       |
| Unspecified and other construction materials           | 2,390                  | 24,100    | 10.08      | 50       | 1,550   | 30.77      |
| Agricultural:  |                        |           |            |          |         |            |
| Agricultural limestone                                 | 7,680                  | 77,600    | 10.12      | 623      | 6,860   | 11.01      |
| Poultry grit and mineral food                          | 1,140                  | 13,700    | 11.99      | 27       | 488     | 18.01      |
| Unspecified and other agricultural uses                | 243                    | 4,350     | 17.86      | 40       | 6,690   | 165.97     |
| Chemical and metallurgical:                            |                        |           |            |          |         |            |
| Cement manufacture                                     | 58,500                 | 292,000   | 4.98       | W        | W       | W          |
| Lime manufacture                                       | 17,600                 | 200,000   | 11.40      | W        | W       | W          |
| Dead-burned dolomite manufacture                       | --                     | --        | --         | --       | --      | --         |
| Flux stone   | 2,030                  | 18,200    | 8.95       | 886      | 6,580   | 7.43       |
| Chemical stone   | 236                    | 2,420     | 10.24      | W        | W       | W          |
| Glass manufacture                                      | 321                    | 7,650     | 23.81      | --       | --      | --         |
| Sulfur oxide removal                                   | 6,650                  | 60,500    | 9.09       | --       | --      | --         |
| Special:   |                        |           |            |          |         |            |
| Mine dusting or acid water treatment                   | 338                    | 13,600    | 40.31      | W        | W       | W          |
| Asphalt fillers or extenders                           | 304                    | 3,700     | 12.15      | --       | --      | --         |
| Whiting or whiting substitute                          | 637                    | 6,940     | 10.89      | W        | W       | W          |
| Other fillers or extenders                             | 2,750                  | 55,700    | 20.25      | W        | W       | W          |
| Other miscellaneous uses and specified uses not listed | 2,530                  | 30,800    | 12.16      | 2,470    | 17,200  | 6.98       |
| Unspecified: <sup>3</sup>                              |                        |           |            |          |         |            |
| Reported   | 198,000                | 1,840,000 | 9.33       | 13,900   | 153,000 | 11.00      |
| Estimated  | 221,000                | 2,080,000 | 9.41       | 9,440    | 89,200  | 9.45       |
| Total or average                                       | 781,000                | 7,310,000 | 9.37       | 42,500   | 438,000 | 10.31      |

W Withheld to avoid disclosing company proprietary data; included in "Total or average." -- Zero.

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

<sup>2</sup>Includes a minor amount of limestone-dolomite reported with no distinction between the two types of stone.

<sup>3</sup>Reported and estimated production without a breakdown by end use.

TABLE 11  
LIMESTONE AND DOLOMITE SOLD OR USED BY PRODUCERS IN 2013, BY STATE AND USE<sup>1</sup>

(Thousand metric tons and thousand dollars)

| State                    | Concrete aggregate |         | Bituminous aggregate |         | Roadstone and coverings |         | Riprap and railroad ballast |        | Other construction uses |         |
|--------------------------|--------------------|---------|----------------------|---------|-------------------------|---------|-----------------------------|--------|-------------------------|---------|
|                          | Quantity           | Value   | Quantity             | Value   | Quantity                | Value   | Quantity                    | Value  | Quantity                | Value   |
| Alabama                  | 1,140              | 10,900  | 5,550                | 61,000  | W                       | W       | W                           | W      | 4,810                   | 50,600  |
| Alaska                   | --                 | --      | --                   | --      | --                      | --      | --                          | --     | --                      | --      |
| Arizona                  | --                 | --      | --                   | --      | --                      | --      | --                          | --     | --                      | --      |
| Arkansas                 | 82                 | 672     | 184                  | 2,230   | 655                     | 4,060   | 57                          | 460    | 818                     | 5,760   |
| California               | 116                | 1,380   | W                    | W       | 235                     | 1,460   | 43                          | 693    | W                       | W       |
| Colorado                 | W                  | W       | --                   | --      | W                       | W       | W                           | W      | W                       | W       |
| Connecticut              | --                 | --      | --                   | --      | --                      | --      | W                           | W      | W                       | W       |
| Delaware                 | --                 | --      | --                   | --      | --                      | --      | --                          | --     | --                      | --      |
| Florida                  | 4,430              | 63,300  | 4,950                | 103,000 | 3,540                   | 22,800  | 81                          | 1,640  | 7,150                   | 55,500  |
| Georgia                  | W                  | W       | W                    | W       | W                       | W       | --                          | --     | W                       | W       |
| Hawaii                   | --                 | --      | --                   | --      | --                      | --      | --                          | --     | --                      | --      |
| Idaho                    | --                 | --      | --                   | --      | W                       | W       | --                          | --     | --                      | --      |
| Illinois                 | 3,280              | 26,200  | 6,650                | 78,300  | 3,470                   | 30,400  | 423                         | 5,010  | 4,240                   | 33,200  |
| Indiana                  | 2,620              | 21,300  | 5,550                | 43,600  | 5,520                   | 37,800  | 691                         | 6,730  | 1,930                   | 13,600  |
| Iowa                     | 427                | 5,110   | 260                  | 3,110   | 2,610                   | 25,400  | 94                          | 1,280  | 1,180                   | 11,800  |
| Kansas                   | 201                | 2,190   | W                    | W       | 1,530                   | 13,500  | 63                          | 743    | 399                     | 3,090   |
| Kentucky                 | 1,870              | 18,300  | 4,540                | 49,200  | 3,760                   | 32,700  | 261                         | 2,870  | 4,500                   | 42,400  |
| Louisiana                | W                  | W       | W                    | W       | W                       | W       | --                          | --     | W                       | W       |
| Maine                    | 37                 | 195     | --                   | --      | 11                      | 57      | --                          | --     | --                      | --      |
| Maryland                 | W                  | W       | 2,120                | 25,100  | 171                     | 1,690   | W                           | W      | 626                     | 5,470   |
| Massachusetts            | 181                | 1,800   | 13                   | 140     | --                      | --      | --                          | --     | W                       | W       |
| Michigan                 | 650                | 6,640   | 1,950                | 21,500  | 721                     | 5,510   | 79                          | 1,140  | 1,350                   | 11,800  |
| Minnesota                | 462                | 3,640   | 59                   | 380     | 1,040                   | 11,600  | 55                          | 1,710  | 55                      | 851     |
| Mississippi <sup>2</sup> | W                  | W       | W                    | W       | W                       | W       | --                          | --     | W                       | W       |
| Missouri                 | 2,060              | 17,500  | 1,840                | 18,500  | 4,490                   | 25,900  | 2,720                       | 18,000 | 2,720                   | 23,900  |
| Montana                  | --                 | --      | W                    | W       | W                       | W       | W                           | W      | W                       | W       |
| Nebraska                 | W                  | W       | W                    | W       | W                       | W       | --                          | --     | 56                      | 341     |
| Nevada                   | --                 | --      | --                   | --      | --                      | --      | --                          | --     | W                       | W       |
| New Hampshire            | --                 | --      | --                   | --      | --                      | --      | --                          | --     | --                      | --      |
| New Jersey               | --                 | --      | --                   | --      | --                      | --      | --                          | --     | --                      | --      |
| New Mexico               | W                  | W       | 949                  | 4,770   | 411                     | 6,540   | 6                           | 157    | 126                     | 1,080   |
| New York                 | 3,540              | 38,600  | 3,520                | 34,100  | 1,370                   | 13,600  | 216                         | 3,100  | 5,080                   | 42,800  |
| North Carolina           | --                 | --      | --                   | --      | --                      | --      | --                          | --     | --                      | --      |
| North Dakota             | --                 | --      | --                   | --      | --                      | --      | --                          | --     | --                      | --      |
| Ohio                     | 1,700              | 13,400  | 4,260                | 42,600  | 4,480                   | 33,000  | 178                         | 1,740  | 13,400                  | 103,000 |
| Oklahoma                 | 1,360              | 12,000  | 1,810                | 16,300  | 6,110                   | 46,900  | 333                         | 5,350  | 4,900                   | 32,000  |
| Oregon                   | --                 | --      | --                   | --      | --                      | --      | --                          | --     | --                      | --      |
| Pennsylvania             | 1,610              | 17,400  | 4,150                | 42,100  | 4,480                   | 48,100  | 576                         | 8,200  | 4,590                   | 36,300  |
| Rhode Island             | --                 | --      | --                   | --      | --                      | --      | --                          | --     | --                      | --      |
| South Carolina           | --                 | --      | --                   | --      | W                       | W       | --                          | --     | W                       | W       |
| South Dakota             | --                 | --      | --                   | --      | W                       | W       | W                           | W      | --                      | --      |
| Tennessee                | 3,200              | 43,100  | 6,560                | 94,400  | 1,960                   | 21,700  | 260                         | 3,720  | 11,300                  | 119,000 |
| Texas                    | 6,650              | 56,800  | 8,260                | 116,000 | 8,910                   | 63,300  | 555                         | 6,050  | 21,900                  | 205,000 |
| Utah                     | 37                 | 400     | 74                   | 400     | 76                      | 479     | 233                         | 2,480  | 33                      | 405     |
| Vermont                  | 184                | 1,650   | 64                   | 498     | 337                     | 3,360   | 2                           | 17     | 290                     | 2,180   |
| Virginia                 | 549                | 7,440   | 774                  | 8,830   | 781                     | 8,520   | 166                         | 2,310  | 731                     | 7,900   |
| Washington               | W                  | W       | W                    | W       | W                       | W       | --                          | --     | 42                      | 2,080   |
| West Virginia            | 432                | 5,360   | 1,230                | 13,400  | 539                     | 5,120   | 107                         | 1,640  | 1,290                   | 18,600  |
| Wisconsin                | 395                | 3,440   | 230                  | 1,890   | 2,590                   | 14,700  | 17                          | 188    | 1,440                   | 8,310   |
| Wyoming                  | 88                 | 720     | 38                   | 240     | W                       | W       | 3                           | 16     | 36                      | 218     |
| Total                    | 37,300             | 379,000 | 65,600               | 781,000 | 59,800                  | 478,000 | 7,220                       | 75,200 | 94,900                  | 838,000 |
| Total withheld           | 2,270              | 33,200  | 3,770                | 77,600  | 2,340                   | 34,800  | 165                         | 2,040  | 3,680                   | 72,700  |
| Grand total              | 39,600             | 413,000 | 69,400               | 859,000 | 62,100                  | 513,000 | 7,390                       | 77,300 | 98,600                  | 911,000 |

See footnotes at end of table.

TABLE 11—Continued  
LIMESTONE AND DOLOMITE SOLD OR USED BY PRODUCERS IN 2013, BY STATE AND USE<sup>1</sup>

(Thousand metric tons and thousand dollars)

|                          | Cement manufacture |         | Agricultural uses |         | Lime manufacture |         | Other uses |           | Total    |           |
|--------------------------|--------------------|---------|-------------------|---------|------------------|---------|------------|-----------|----------|-----------|
|                          | Quantity           | Value   | Quantity          | Value   | Quantity         | Value   | Quantity   | Value     | Quantity | Value     |
| Alabama                  | W                  | W       | 136               | 1,170   | W                | W       | 16,800     | 149,000   | 28,400   | 273,000   |
| Alaska                   | --                 | --      | --                | --      | --               | --      | --         | --        | --       | --        |
| Arizona                  | W                  | W       | --                | --      | W                | W       | 3,080      | 29,100    | 3,080    | 29,100    |
| Arkansas                 | W                  | W       | 61                | 1,070   | W                | W       | 9,980      | 72,400    | 11,800   | 86,700    |
| California               | 5,760              | 9,780   | 422               | 7,360   | W                | W       | 8,420      | 94,500    | 15,000   | 117,000   |
| Colorado                 | --                 | --      | --                | --      | --               | --      | 574        | 5,060     | 574      | 5,060     |
| Connecticut              | --                 | --      | --                | --      | --               | --      | 839        | 11,600    | 1,270    | 26,400    |
| Delaware                 | --                 | --      | --                | --      | --               | --      | W          | W         | (3)      | (3)       |
| Florida                  | W                  | W       | 546               | 4,420   | 568              | 6,340   | 30,100     | 356,000   | 51,300   | 613,000   |
| Georgia                  | W                  | W       | --                | --      | --               | --      | 4,680      | 58,900    | 4,680    | 58,900    |
| Hawaii                   | --                 | --      | --                | --      | --               | --      | --         | --        | --       | --        |
| Idaho                    | --                 | --      | W                 | W       | --               | --      | 146        | 3,850     | 146      | 3,850     |
| Illinois                 | W                  | W       | 1,680             | 15,400  | --               | --      | 25,500     | 277,000   | 45,200   | 465,000   |
| Indiana                  | 2,860              | 13,300  | 1,400             | 9,230   | W                | W       | 20,400     | 158,000   | 41,000   | 303,000   |
| Iowa                     | --                 | --      | 319               | 2,130   | --               | --      | 25,800     | 236,000   | 30,700   | 285,000   |
| Kansas                   | W                  | W       | 65                | 390     | --               | --      | 12,000     | 102,000   | 14,300   | 122,000   |
| Kentucky                 | --                 | --      | 397               | 3,060   | W                | W       | 30,700     | 302,000   | 46,100   | 451,000   |
| Louisiana                | --                 | --      | W                 | W       | --               | --      | W          | W         | (3)      | (3)       |
| Maine                    | W                  | W       | --                | --      | --               | --      | 1,570      | 10,500    | 1,620    | 10,800    |
| Maryland                 | W                  | W       | --                | --      | --               | --      | 9,400      | 74,700    | 12,300   | 107,000   |
| Massachusetts            | --                 | --      | W                 | W       | W                | W       | 1,270      | 26,000    | 1,570    | 27,900    |
| Michigan                 | W                  | W       | 767               | 10,700  | W                | W       | 20,300     | 130,000   | 25,800   | 187,000   |
| Minnesota                | --                 | --      | 169               | 1,390   | 25               | 286     | 2,840      | 33,000    | 4,700    | 52,900    |
| Mississippi <sup>2</sup> | --                 | --      | W                 | W       | --               | --      | 1,910      | 52,000    | 1,910    | 52,000    |
| Missouri                 | 8,570              | 41,400  | 946               | 5,570   | W                | W       | 41,400     | 350,000   | 64,800   | 500,000   |
| Montana                  | W                  | W       | W                 | W       | 1,100            | 14,000  | 697        | 9,470     | 1,800    | 23,400    |
| Nebraska                 | W                  | W       | W                 | W       | --               | --      | 6,430      | 73,200    | 6,480    | 73,600    |
| Nevada                   | W                  | W       | W                 | W       | W                | W       | 3,500      | 33,200    | 3,500    | 33,200    |
| New Hampshire            | --                 | --      | --                | --      | --               | --      | 65         | 573       | 65       | 573       |
| New Jersey               | --                 | --      | --                | --      | --               | --      | 315        | 2,780     | 315      | 2,780     |
| New Mexico               | --                 | --      | --                | --      | --               | --      | 944        | 8,540     | 2,440    | 21,100    |
| New York                 | --                 | --      | 121               | 1,180   | --               | --      | 14,500     | 151,000   | 28,300   | 284,000   |
| North Carolina           | --                 | --      | --                | --      | --               | --      | 3,480      | 51,800    | 3,480    | 51,800    |
| North Dakota             | --                 | --      | --                | --      | --               | --      | --         | --        | --       | --        |
| Ohio                     | W                  | W       | 343               | 3,790   | W                | W       | 27,300     | 224,000   | 51,600   | 422,000   |
| Oklahoma                 | W                  | W       | 164               | 2,170   | W                | W       | 18,900     | 134,000   | 33,500   | 249,000   |
| Oregon                   | --                 | --      | --                | --      | --               | --      | 1,260      | 7,720     | 1,260    | 7,720     |
| Pennsylvania             | 2,440              | 12,100  | 335               | 4,330   | W                | W       | 36,500     | 474,000   | 54,700   | 643,000   |
| Rhode Island             | --                 | --      | --                | --      | --               | --      | --         | --        | --       | --        |
| South Carolina           | --                 | --      | W                 | W       | --               | --      | 5,070      | 27,800    | 5,070    | 33,500    |
| South Dakota             | --                 | --      | --                | --      | --               | --      | 3,110      | 20,600    | 3,110    | 20,600    |
| Tennessee                | W                  | W       | 170               | 2,310   | --               | --      | 13,300     | 175,000   | 36,700   | 459,000   |
| Texas                    | 12,400             | 60,100  | 420               | 2,930   | W                | W       | 64,000     | 488,000   | 123,000  | 998,000   |
| Utah                     | W                  | W       | W                 | W       | W                | W       | 4,710      | 41,400    | 5,160    | 45,600    |
| Vermont                  | --                 | --      | W                 | W       | --               | --      | 1,390      | 13,800    | 2,270    | 21,500    |
| Virginia                 | --                 | --      | 507               | 9,270   | W                | W       | 9,960      | 149,000   | 13,500   | 193,000   |
| Washington               | --                 | --      | W                 | W       | --               | --      | 933        | 16,200    | 974      | 18,200    |
| West Virginia            | W                  | W       | 10                | 120     | --               | --      | 10,400     | 92,800    | 14,000   | 137,000   |
| Wisconsin                | --                 | --      | 433               | 5,440   | W                | W       | 11,600     | 73,600    | 16,700   | 108,000   |
| Wyoming                  | 931                | 1,680   | --                | --      | --               | --      | 2,020      | 12,200    | 3,110    | 15,000    |
| Total                    | 33,000             | 138,000 | 9,410             | 93,400  | 1,690            | 20,600  | 508,000    | 4,810,000 | XX       | XX        |
| Total withheld           | 26,200             | 156,000 | 338               | 16,300  | 17,600           | 192,000 | 379        | 6,320     | XX       | XX        |
| Grand total              | 59,200             | 295,000 | 9,750             | 110,000 | 19,300           | 213,000 | 508,000    | 4,820,000 | 823,000  | 7,750,000 |

W Withheld to avoid disclosing company proprietary data; included in "Total withheld." XX Not applicable. -- Zero.

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

<sup>2</sup>A significant amount of sold or used material was shipped in from other States.

<sup>3</sup>Withheld to avoid disclosing company proprietary data; included in "Grand total."

TABLE 12  
GRANITE, TRAPROCK, SANDSTONE AND QUARTZITE SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 2013, BY USE<sup>1</sup>

(Thousand metric tons and thousand dollars)

| Use  | Granite  |           | Traprock |         | Sandstone and quartzite <sup>2</sup> |         |
|--|----------|-----------|----------|---------|--------------------------------------|---------|
|  | Quantity | Value     | Quantity | Value   | Quantity                             | Value   |
| Construction:  |          |           |          |         |                                      |         |
| Coarse aggregate (+1½ inch):                           |          |           |          |         |                                      |         |
| Macadam  | 77       | 2,040     | W        | W       | W                                    | W       |
| Riprap and jetty stone                                 | 721      | 10,300    | 772      | 8,370   | 380                                  | 4,440   |
| Filter stone   | 461      | 6,320     | 432      | 4,190   | 153                                  | 1,850   |
| Unspecified coarse aggregate                           | 1,080    | 20,400    | 1,360    | 18,100  | 1,010                                | 10,300  |
| Coarse aggregate, graded:                              |          |           |          |         |                                      |         |
| Concrete aggregate, coarse                             | 2,080    | 24,400    | 2,370    | 26,200  | 482                                  | 3,900   |
| Bituminous aggregate, coarse                           | 2,500    | 27,400    | 3,270    | 29,500  | 662                                  | 7,700   |
| Bituminous surface-treatment aggregate                 | 292      | 6,860     | 360      | 4,960   | 100                                  | 911     |
| Railroad ballast                                       | 718      | 7,290     | 617      | 6,700   | W                                    | W       |
| Unspecified graded coarse aggregate                    | 21,700   | 334,000   | 5,390    | 68,400  | 1,900                                | 17,300  |
| Fine aggregate (-¾ inch):                              |          |           |          |         |                                      |         |
| Stone sand, concrete                                   | 383      | 4,880     | 161      | 1,390   | 287                                  | 3,720   |
| Stone sand, bituminous mix or seal                     | 695      | 7,660     | 1,140    | 11,000  | 305                                  | 2,710   |
| Screening, undesignated                                | 1,240    | 10,900    | 1,440    | 9,390   | 280                                  | 2,460   |
| Unspecified fine aggregate                             | 5,970    | 74,400    | 2,840    | 35,700  | 1,380                                | 10,900  |
| Coarse and fine aggregates:                            |          |           |          |         |                                      |         |
| Graded road base or subbase                            | 3,200    | 29,200    | 5,670    | 44,300  | 2,130                                | 15,700  |
| Unpaved road surfacing                                 | 179      | 1,030     | 387      | 2,880   | 339                                  | 2,680   |
| Terrazzo and exposed aggregate                         | 605      | 8,370     | W        | W       | 379                                  | 1,960   |
| Crusher run or fill or waste                           | 1,800    | 13,300    | 463      | 3,080   | 474                                  | 4,250   |
| Roofing granules                                       | W        | W         | W        | W       | W                                    | W       |
| Unspecified coarse and fine aggregates                 | 14,900   | 154,000   | 4,310    | 44,700  | 1,270                                | 9,230   |
| Unspecified and other construction materials           | 25       | 266       | 148      | 1,870   | 388                                  | 4,250   |
| Agricultural:  |          |           |          |         |                                      |         |
| Agricultural limestone                                 | --       | --        | --       | --      | --                                   | --      |
| Poultry grit and mineral food                          | 5        | 401       | --       | --      | W                                    | W       |
| Unspecified and other agricultural uses                | 1        | 44        | 29       | 207     | 1                                    | 11      |
| Chemical and metallurgical:                            |          |           |          |         |                                      |         |
| Cement manufacture                                     | --       | --        | --       | --      | 117                                  | 935     |
| Lime manufacture                                       | --       | --        | --       | --      | --                                   | --      |
| Dead-burned dolomite manufacture                       | --       | --        | --       | --      | --                                   | --      |
| Flux stone   | --       | --        | --       | --      | W                                    | W       |
| Chemical stone   | --       | --        | --       | --      | --                                   | --      |
| Glass manufacture                                      | --       | --        | --       | --      | --                                   | --      |
| Sulfur oxide removal                                   | --       | --        | --       | --      | --                                   | --      |
| Special:   |          |           |          |         |                                      |         |
| Mine dusting or acid water treatment                   | --       | --        | --       | --      | --                                   | --      |
| Asphalt fillers or extenders                           | 22       | 1,860     | --       | --      | --                                   | --      |
| Whiting or whiting substitute                          | --       | --        | --       | --      | --                                   | --      |
| Other fillers or extenders                             | 30       | 67        | --       | --      | W                                    | W       |
| Other miscellaneous uses and specified uses not listed | 462      | 50,800    | 526      | 12,500  | 1,420                                | 22,800  |
| Unspecified: <sup>3</sup>                              |          |           |          |         |                                      |         |
| Reported   | 71,100   | 874,000   | 23,000   | 290,000 | 13,100                               | 107,000 |
| Estimated  | 30,200   | 356,000   | 20,100   | 235,000 | 19,900                               | 157,000 |
| Total  | 160,000  | 2,030,000 | 74,700   | 859,000 | 46,400                               | 392,000 |

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

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

<sup>2</sup>Includes sandstone-quartzite reported with no distinction between the two kinds of stone.

<sup>3</sup>Reported and estimated production without a breakdown by end use.

TABLE 13  
 MARBLE, VOLCANIC CINDER AND SCORIA, AND MISCELLANEOUS STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES  
 IN 2013, BY USE<sup>1</sup>

(Thousand metric tons and thousand dollars)

| Use  | Marble   |        | Volcanic cinder and scoria |        | Miscellaneous stone |         |
|--|----------|--------|----------------------------|--------|---------------------|---------|
|  | Quantity | Value  | Quantity                   | Value  | Quantity            | Value   |
| Construction:  |          |        |                            |        |                     |         |
| Coarse aggregate (+1½ inch):                           |          |        |                            |        |                     |         |
| Macadam  | --       | --     | --                         | --     | 26                  | 185     |
| Riprap and jetty stone                                 | W        | W      | --                         | --     | 561                 | 9,610   |
| Filter stone   | --       | --     | --                         | --     | 158                 | 2,150   |
| Unspecified coarse aggregate                           | 10       | 179    | 6                          | 104    | 423                 | 4,390   |
| Coarse aggregate, graded:                              |          |        |                            |        |                     |         |
| Concrete aggregate, coarse                             | W        | W      | --                         | --     | 2,090               | 26,200  |
| Bituminous aggregate, coarse                           | W        | W      | --                         | --     | 1,110               | 12,100  |
| Bituminous surface-treatment aggregate                 | W        | W      | --                         | --     | 579                 | 9,300   |
| Railroad ballast                                       | --       | --     | --                         | --     | 1,630               | 16,400  |
| Unspecified graded coarse aggregate                    | 172      | 2,560  | --                         | --     | 1,550               | 15,800  |
| Fine aggregate (-¾ inch):                              |          |        |                            |        |                     |         |
| Stone sand, concrete                                   | W        | W      | --                         | --     | 232                 | 2,650   |
| Stone sand, bituminous mix or seal                     | W        | W      | --                         | --     | 596                 | 5,360   |
| Screening, undesignated                                | W        | W      | W                          | W      | 392                 | 4,150   |
| Unspecified fine aggregate                             | 41       | 391    | --                         | --     | 401                 | 4,370   |
| Coarse and fine aggregates:                            |          |        |                            |        |                     |         |
| Graded road base or subbase                            | W        | W      | 418                        | 4,560  | 3,770               | 33,300  |
| Unpaved road surfacing                                 | W        | W      | W                          | W      | 370                 | 3,660   |
| Terrazzo and exposed aggregate                         | W        | W      | 186                        | 3,600  | 215                 | 2,850   |
| Crusher run or fill or waste                           | W        | W      | --                         | --     | 706                 | 7,720   |
| Roofing granules                                       |          |        |                            |        |                     |         |
| Unspecified coarse and fine aggregates                 | 122      | 1,270  | --                         | --     | 3,310               | 28,200  |
| Unspecified and other construction materials           | 1        | 9      | 350                        | 3,230  | 186                 | 2,620   |
| Agricultural:  |          |        |                            |        |                     |         |
| Agricultural limestone                                 | --       | --     | --                         | --     | --                  | --      |
| Poultry grit and mineral food                          | --       | --     | --                         | --     | --                  | --      |
| Unspecified and other agricultural uses                | --       | --     | 1                          | 6      | 109                 | 526     |
| Chemical and metallurgical:                            |          |        |                            |        |                     |         |
| Cement manufacture                                     | --       | --     | --                         | --     | 410                 | 1,560   |
| Lime manufacture                                       | --       | --     | --                         | --     | --                  | --      |
| Dead-burned dolomite manufacture                       | --       | --     | --                         | --     | --                  | --      |
| Flux stone   | --       | --     | --                         | --     | --                  | --      |
| Chemical stone   | --       | --     | --                         | --     | --                  | --      |
| Glass manufacture                                      | --       | --     | --                         | --     | --                  | --      |
| Sulfur oxide removal                                   | --       | --     | --                         | --     | --                  | --      |
| Special:   |          |        |                            |        |                     |         |
| Mine dusting or acid water treatment                   | W        | W      | --                         | --     | --                  | --      |
| Asphalt fillers or extenders                           | --       | --     | --                         | --     | --                  | --      |
| Whiting or whiting substitute                          | W        | W      | --                         | --     | --                  | --      |
| Other fillers or extenders                             | 389      | 9,940  | --                         | --     | --                  | --      |
| Other miscellaneous uses and specified uses not listed | 2,780    | 30,000 | 22                         | 318    | 308                 | 3,580   |
| Unspecified: <sup>2</sup>                              |          |        |                            |        |                     |         |
| Reported   | --       | --     | 1,300                      | 6,780  | 20,300              | 158,000 |
| Estimated  | 3,180    | 47,100 | 502                        | 5,190  | 22,200              | 207,000 |
| Total  | 6,690    | 91,400 | 2,780                      | 23,800 | 61,600              | 561,000 |

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

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

<sup>2</sup>Reported and estimated production without a breakdown by end use.

TABLE 14  
 RECYCLED ASPHALT CONCRETE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE<sup>1</sup>

| State            | 2012 <sup>2</sup>                     |                      |               | 2013                                  |                      |               |
|------------------|---------------------------------------|----------------------|---------------|---------------------------------------|----------------------|---------------|
|                  | Quantity<br>(thousand<br>metric tons) | Value<br>(thousands) | Unit<br>value | Quantity<br>(thousand<br>metric tons) | Value<br>(thousands) | Unit<br>value |
| Alabama          | 277                                   | \$5,670              | \$20.48       | 402                                   | \$8,310              | \$20.68       |
| Alaska           | 94                                    | 1,490                | 15.76         | 97                                    | 1,270                | 13.03         |
| Arizona          | 138                                   | 1,260                | 9.14          | 169                                   | 1,790                | 10.58         |
| Arkansas         | 25                                    | 260                  | 10.40         | 30                                    | 305                  | 10.17         |
| California       | 1,840                                 | 14,400               | 7.81          | 2,090                                 | 16,000               | 7.66          |
| Colorado         | 330                                   | 2,170                | 6.55          | 408                                   | 2,400                | 5.88          |
| Connecticut      | 627                                   | 3,850                | 6.14          | 627                                   | 3,850                | 6.14          |
| Delaware         | 91                                    | 605                  | 6.65          | 91                                    | 605                  | 6.65          |
| Florida          | 211                                   | 2,360                | 11.16         | 327                                   | 11,400               | 34.71         |
| Georgia          | 241                                   | 4,110                | 17.05         | 295                                   | 2,870                | 9.71          |
| Hawaii           | --                                    | --                   | --            | --                                    | --                   | --            |
| Idaho            | 68                                    | 482                  | 7.05          | 177                                   | 1,380                | 7.75          |
| Illinois         | 1,550                                 | 10,000               | 6.47          | 1,690                                 | 11,200               | 6.62          |
| Indiana          | 156                                   | 2,100                | 13.46         | 157                                   | 1,390                | 8.84          |
| Iowa             | 39                                    | 375                  | 9.62          | 114                                   | 658                  | 5.77          |
| Kansas           | 606                                   | 2,050                | 3.38          | 606                                   | 2,100                | 3.46          |
| Kentucky         | 367                                   | 1,330                | 3.63          | 375                                   | 1,280                | 3.42          |
| Louisiana        | 93                                    | 651                  | 7.00          | 85                                    | 605                  | 7.12          |
| Maine            | 144                                   | 1,930                | 13.38         | 144                                   | 1,760                | 12.25         |
| Maryland         | 208                                   | 1,800                | 8.66          | 197                                   | 1,550                | 7.85          |
| Massachusetts    | 413                                   | 4,070                | 9.85          | 412                                   | 3,930                | 9.54          |
| Michigan         | 832                                   | 3,490                | 4.20          | 740                                   | 3,930                | 5.31          |
| Minnesota        | 785                                   | 5,970                | 7.61          | 800                                   | 6,100                | 7.62          |
| Mississippi      | 11                                    | 23                   | 2.09          | 14                                    | 66                   | 4.71          |
| Missouri         | 188                                   | 1,430                | 7.62          | 175                                   | 1,280                | 7.34          |
| Montana          | 71                                    | 736                  | 10.40         | 71                                    | 736                  | 10.40         |
| Nebraska         | 85                                    | 660                  | 7.79          | 89                                    | 692                  | 7.80          |
| Nevada           | 153                                   | 1,240                | 8.11          | 134                                   | 858                  | 6.42          |
| New Hampshire    | 286                                   | 3,220                | 11.23         | 301                                   | 3,260                | 10.82         |
| New Jersey       | 129                                   | 845                  | 6.55          | 124                                   | 1,430                | 11.50         |
| New Mexico       | 168                                   | 1,230                | 7.34          | 83                                    | 668                  | 8.09          |
| New York         | 661                                   | 5,780                | 8.75          | 693                                   | 5,790                | 8.35          |
| North Carolina   | 1,140                                 | 8,810                | 7.71          | 1,250                                 | 10,600               | 8.43          |
| North Dakota     | 127                                   | 760                  | 5.97          | 135                                   | 1,210                | 8.93          |
| Ohio             | 75                                    | 550                  | 7.30          | 59                                    | 462                  | 7.78          |
| Oklahoma         | 91                                    | 1,000                | 11.00         | 91                                    | 1,010                | 11.04         |
| Oregon           | 75                                    | 541                  | 7.17          | 108                                   | 775                  | 7.14          |
| Pennsylvania     | 1,380                                 | 9,810                | 7.13          | 1,270                                 | 9,290                | 7.33          |
| Rhode Island     | 77                                    | 739                  | 9.58          | 77                                    | 739                  | 9.58          |
| South Carolina   | 335                                   | 4,080                | 12.19         | 363                                   | 3,510                | 9.67          |
| South Dakota     | 112                                   | 1,120                | 9.95          | 115                                   | 1,460                | 12.60         |
| Tennessee        | 133                                   | 1,710                | 12.84         | 155                                   | 1,690                | 10.92         |
| Texas            | 226                                   | 1,950                | 8.64          | 184                                   | 1,310                | 7.12          |
| Utah             | 341                                   | 3,560                | 10.46         | 341                                   | 3,560                | 10.46         |
| Vermont          | 76                                    | 704                  | 9.21          | 146                                   | 2,580                | 17.62         |
| Virginia         | 341                                   | 3,410                | 10.02         | 324                                   | 3,720                | 11.50         |
| Washington       | 170                                   | 953                  | 5.60          | 181                                   | 1,040                | 5.73          |
| West Virginia    | 11                                    | 34                   | 3.09          | 8                                     | 104                  | 13.00         |
| Wisconsin        | 536                                   | 3,850                | 7.19          | 542                                   | 3,890                | 7.18          |
| Wyoming          | 43                                    | 319                  | 7.41          | 43                                    | 319                  | 7.41          |
| Total or average | 16,200                                | 129,000              | 8.00          | 17,100                                | 147,000              | 8.57          |

-- Zero.

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

<sup>2</sup>Estimated quantities have been recalculated.

TABLE 15  
 RECYCLED PORTLAND CEMENT CONCRETE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE<sup>1</sup>

| State            | 2012 <sup>2</sup>                     |                      |               | 2013                                  |                      |               |
|------------------|---------------------------------------|----------------------|---------------|---------------------------------------|----------------------|---------------|
|                  | Quantity<br>(thousand<br>metric tons) | Value<br>(thousands) | Unit<br>value | Quantity<br>(thousand<br>metric tons) | Value<br>(thousands) | Unit<br>value |
| Alabama          | 24                                    | \$216                | \$9.00        | 78                                    | \$708                | \$9.08        |
| Alaska           | 13                                    | 72                   | 5.47          | 13                                    | 72                   | 5.47          |
| Arizona          | 110                                   | 1,030                | 9.35          | 110                                   | 1,030                | 9.35          |
| Arkansas         | 1                                     | 7                    | 7.00          | 9                                     | 66                   | 7.33          |
| California       | 2,570                                 | 18,200               | 7.11          | 3,480                                 | 26,100               | 7.51          |
| Colorado         | 584                                   | 3,960                | 6.77          | 606                                   | 4,100                | 6.76          |
| Connecticut      | 84                                    | 568                  | 6.74          | 84                                    | 568                  | 6.74          |
| Delaware         | 69                                    | 313                  | 4.54          | 69                                    | 313                  | 4.54          |
| Florida          | 493                                   | 1,910                | 3.87          | 551                                   | 2,280                | 4.13          |
| Georgia          | 116                                   | 906                  | 7.81          | 149                                   | 1,530                | 10.23         |
| Hawaii           | 4                                     | 51                   | 12.75         | 2                                     | 23                   | 11.50         |
| Idaho            | 18                                    | 120                  | 6.61          | 18                                    | 120                  | 6.61          |
| Illinois         | 1,510                                 | 10,800               | 7.21          | 2,320                                 | 19,200               | 8.29          |
| Indiana          | 156                                   | 1,220                | 7.83          | 155                                   | 1,210                | 7.80          |
| Iowa             | 197                                   | 1,640                | 8.32          | 607                                   | 3,050                | 5.03          |
| Kansas           | 353                                   | 3,120                | 8.84          | 353                                   | 3,120                | 8.85          |
| Kentucky         | --                                    | --                   | --            | --                                    | --                   | --            |
| Louisiana        | 35                                    | 597                  | 17.06         | 12                                    | 204                  | 17.00         |
| Maine            | 32                                    | 218                  | 6.73          | 36                                    | 270                  | 7.42          |
| Maryland         | 320                                   | 3,080                | 9.63          | 357                                   | 3,070                | 8.62          |
| Massachusetts    | 195                                   | 1,270                | 6.52          | 207                                   | 2,000                | 9.68          |
| Michigan         | 1,050                                 | 7,130                | 6.77          | 1,140                                 | 8,170                | 7.18          |
| Minnesota        | 747                                   | 5,220                | 6.98          | 783                                   | 5,400                | 6.89          |
| Mississippi      | 62                                    | 413                  | 6.68          | 68                                    | 463                  | 6.83          |
| Missouri         | 20                                    | 118                  | 5.90          | 12                                    | 68                   | 5.67          |
| Montana          | 25                                    | 120                  | 4.84          | 25                                    | 120                  | 4.84          |
| Nebraska         | 116                                   | 1,340                | 11.54         | 116                                   | 1,340                | 11.54         |
| Nevada           | 52                                    | 313                  | 5.97          | 139                                   | 1,260                | 9.00          |
| New Hampshire    | 156                                   | 839                  | 5.39          | 82                                    | 590                  | 7.23          |
| New Jersey       | 297                                   | 2,370                | 7.95          | 262                                   | 2,070                | 7.88          |
| New Mexico       | 2                                     | 13                   | 7.71          | 16                                    | 133                  | 8.48          |
| New York         | 164                                   | 1,510                | 9.24          | 234                                   | 1,990                | 8.50          |
| North Carolina   | 275                                   | 3,120                | 11.34         | 321                                   | 3,600                | 11.21         |
| North Dakota     | 61                                    | 420                  | 6.85          | 56                                    | 405                  | 7.19          |
| Ohio             | 440                                   | 3,520                | 7.99          | 329                                   | 2,630                | 8.00          |
| Oklahoma         | 312                                   | 2,870                | 9.20          | 316                                   | 2,940                | 9.30          |
| Oregon           | 68                                    | 523                  | 7.68          | 85                                    | 749                  | 8.80          |
| Pennsylvania     | 327                                   | 1,640                | 5.03          | 346                                   | 1,760                | 5.08          |
| Rhode Island     | 15                                    | 139                  | 9.30          | 15                                    | 139                  | 9.30          |
| South Carolina   | 227                                   | 3,120                | 13.76         | 242                                   | 2,790                | 11.54         |
| South Dakota     | 79                                    | 667                  | 8.43          | 75                                    | 624                  | 8.31          |
| Tennessee        | 30                                    | 157                  | 5.30          | 35                                    | 211                  | 6.09          |
| Texas            | 1,440                                 | 11,100               | 7.75          | 1,660                                 | 12,600               | 7.59          |
| Utah             | 343                                   | 3,620                | 10.53         | 213                                   | 2,480                | 11.62         |
| Vermont          | 21                                    | 115                  | 5.38          | 23                                    | 141                  | 6.03          |
| Virginia         | 654                                   | 5,790                | 8.86          | 828                                   | 7,530                | 9.10          |
| Washington       | 353                                   | 2,210                | 6.26          | 368                                   | 2,520                | 6.83          |
| West Virginia    | --                                    | --                   | --            | --                                    | --                   | --            |
| Wisconsin        | 630                                   | 3,320                | 5.27          | 650                                   | 3,490                | 5.36          |
| Wyoming          | 90                                    | 544                  | 6.06          | 90                                    | 544                  | 6.06          |
| Total or average | 14,900                                | 112,000              | 7.48          | 17,700                                | 136,000              | 7.66          |

-- Zero.

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

<sup>2</sup>Estimated quantities have been recalculated.

TABLE 16  
CRUSHED AND BROKEN STONE OPERATIONS IN THE UNITED STATES IN 2013, BY STATE<sup>1</sup>

| State          | Active operations | Active quarries | Dredging operations | Processing plants |          |                         |                     | Sales yards |
|----------------|-------------------|-----------------|---------------------|-------------------|----------|-------------------------|---------------------|-------------|
|                |                   |                 |                     | Stationary        | Portable | Stationary and portable | None or unspecified |             |
| Alabama        | 78                | 68              | --                  | 56                | 6        | 3                       | 3                   | 10          |
| Alaska         | 20                | 24              | --                  | 5                 | 12       | --                      | 2                   | 1           |
| Arizona        | 52                | 53              | --                  | 21                | 23       | 6                       | --                  | 2           |
| Arkansas       | 78                | 76              | --                  | 33                | 31       | 7                       | 4                   | 3           |
| California     | 163               | 146             | 1                   | 71                | 35       | 13                      | 16                  | 27          |
| Colorado       | 43                | 241             | --                  | 16                | 19       | 2                       | 3                   | 3           |
| Connecticut    | 33                | 30              | --                  | 20                | 9        | --                      | 1                   | 3           |
| Delaware       | 5                 | --              | --                  | --                | --       | --                      | --                  | 5           |
| Florida        | 108               | 83              | 2                   | 37                | 30       | 10                      | 3                   | 26          |
| Georgia        | 93                | 84              | --                  | 72                | 5        | 1                       | 6                   | 9           |
| Hawaii         | 20                | 21              | --                  | 8                 | 10       | 2                       | --                  | --          |
| Idaho          | 38                | 87              | --                  | 5                 | 24       | 1                       | 8                   | --          |
| Illinois       | 155               | 129             | 1                   | 70                | 47       | 6                       | 5                   | 26          |
| Indiana        | 92                | 87              | --                  | 80                | 3        | 1                       | 3                   | 5           |
| Iowa           | 170               | 207             | 1                   | 24                | 133      | --                      | 10                  | 2           |
| Kansas         | 77                | 84              | --                  | 19                | 47       | 4                       | 2                   | 5           |
| Kentucky       | 88                | 87              | --                  | 65                | 14       | 6                       | 1                   | 2           |
| Louisiana      | 16                | 3               | --                  | 1                 | 1        | 1                       | --                  | 13          |
| Maine          | 28                | 23              | --                  | 13                | 7        | 2                       | 1                   | 5           |
| Maryland       | 44                | 30              | --                  | 23                | 2        | 1                       | 3                   | 15          |
| Massachusetts  | 42                | 37              | --                  | 23                | 8        | 4                       | 2                   | 5           |
| Michigan       | 37                | 36              | --                  | 18                | 8        | 1                       | 2                   | 8           |
| Minnesota      | 48                | 59              | --                  | 10                | 26       | 1                       | 4                   | 7           |
| Mississippi    | 20                | 3               | --                  | 2                 | 1        | --                      | --                  | 17          |
| Missouri       | 200               | 209             | --                  | 105               | 67       | 13                      | 10                  | 5           |
| Montana        | 23                | 34              | --                  | 7                 | 14       | 1                       | 1                   | --          |
| Nebraska       | 14                | 10              | --                  | 7                 | 3        | --                      | --                  | 4           |
| Nevada         | 23                | 22              | --                  | 15                | 5        | 1                       | --                  | 2           |
| New Hampshire  | 31                | 30              | --                  | 12                | 12       | 2                       | 3                   | 2           |
| New Jersey     | 22                | 16              | --                  | 14                | --       | 2                       | --                  | 6           |
| New Mexico     | 39                | 38              | --                  | 12                | 23       | 2                       | 1                   | 1           |
| New York       | 113               | 110             | 1                   | 78                | 18       | 9                       | 2                   | 5           |
| North Carolina | 134               | 115             | --                  | 96                | 14       | 3                       | 1                   | 20          |
| North Dakota   | 18                | 16              | --                  | --                | 12       | 1                       | 3                   | 2           |
| Ohio           | 118               | 105             | --                  | 68                | 22       | 8                       | 5                   | 15          |
| Oklahoma       | 70                | 72              | --                  | 49                | 9        | 4                       | 6                   | 2           |
| Oregon         | 146               | 160             | --                  | 35                | 97       | 3                       | 8                   | 3           |
| Pennsylvania   | 252               | 248             | --                  | 168               | 38       | 16                      | 21                  | 9           |
| Rhode Island   | 8                 | 6               | --                  | 6                 | --       | --                      | --                  | 2           |
| South Carolina | 46                | 36              | --                  | 32                | 2        | 2                       | --                  | 10          |
| South Dakota   | 17                | 15              | --                  | 11                | 3        | --                      | --                  | 3           |
| Tennessee      | 133               | 129             | --                  | 112               | 12       | 2                       | 2                   | 5           |
| Texas          | 234               | 229             | --                  | 112               | 66       | 12                      | 14                  | 30          |
| Utah           | 32                | 30              | --                  | 11                | 13       | --                      | 5                   | 3           |
| Vermont        | 45                | 43              | --                  | 18                | 16       | 5                       | 4                   | 2           |
| Virginia       | 119               | 99              | --                  | 64                | 16       | 15                      | 2                   | 22          |
| Washington     | 101               | 108             | --                  | 32                | 46       | 5                       | 11                  | 7           |
| West Virginia  | 36                | 31              | --                  | 24                | 2        | 3                       | 1                   | 6           |
| Wisconsin      | 139               | 201             | --                  | 37                | 77       | 4                       | 14                  | 7           |
| Wyoming        | 27                | 27              | --                  | 8                 | 15       | 1                       | 3                   | --          |
| Total          | 3,688             | 3,837           | 6                   | 1,825             | 1,103    | 186                     | 196                 | 372         |

-- Zero.

<sup>1</sup>Includes recycle plants.

TABLE 17  
U.S. EXPORTS OF CRUSHED STONE IN 2013, BY DESTINATION<sup>1</sup>

| Destination   |             | Limestone |                             |                 |                        | Other    | Total    |
|---------------|-------------|-----------|-----------------------------|-----------------|------------------------|----------|----------|
|               |             | Limestone | for cement<br>manufacturing | Chalk,<br>crude | Granules,<br>chippings |          |          |
| North America | metric tons | 190,000   | 56,400                      | 274             | 36,400                 | 104,000  | 387,000  |
| South America | do.         | 1         | 220                         | 6               | 4,980                  | 528      | 5,740    |
| Europe        | do.         | 611       | 137                         | 66              | 1,220                  | 6,270    | 8,300    |
| Asia          | do.         | 303       | 661                         | 8               | 43                     | 1,480    | 2,490    |
| Oceania       | do.         | --        | 13                          | 6               | --                     | 186      | 205      |
| Middle East   | do.         | 17        | 148                         | 7               | 580                    | 179      | 931      |
| Africa        | do.         | --        | 5                           | 26              | 99                     | 24       | 154      |
| Total:        |             |           |                             |                 |                        |          |          |
| Quantity      | do.         | 190,000   | 57,600                      | 393             | 43,300                 | 113,000  | 404,000  |
| Value         | thousands   | \$5,430   | \$17,600                    | \$1             | \$10,000               | \$22,100 | \$55,100 |

do. Ditto. -- Zero.

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

Source: U.S. Census Bureau.

TABLE 18  
U.S. IMPORTS OF CRUSHED STONE AND CALCIUM CARBONATE FINES, BY TYPE<sup>1</sup>

| Type                                       | 2012                                  |   |               | 2013                                  |   |               |
|--|---------------------------------------|---|---------------|---------------------------------------|---|---------------|
|  | Quantity<br>(thousand<br>metric tons) | Value, c.i.f. <sup>2</sup><br>(thousands) | Unit<br>value | Quantity<br>(thousand<br>metric tons) | Value, c.i.f. <sup>2</sup><br>(thousands) | Unit<br>value |
| Crushed stone and chips:                   |                                       |   |               |                                       |   |               |
| Limestone                                  | 8,810                                 | \$73,900                                  | \$8.39        | 11,100                                | \$88,900                                  | \$8.02        |
| Limestone for flux or cement manufacturing | 838                                   | 9,370                                     | 11.18         | 1,190                                 | 14,500                                    | 12.16         |
| Other                                      | 5,770                                 | 124,000                                   | 21.48         | 5,420                                 | 113,000                                   | 20.76         |
| Total                                      | 15,400                                | 207,000                                   | XX            | 17,700                                | 216,000                                   | XX            |
| Calcium carbonate fines: <sup>3</sup>      |                                       |   |               |                                       |   |               |
| Natural chalk                              | 1                                     | 121                                       | 146.00        | (4)                                   | 90  | 195.70        |
| Calcium carbonates, other chalk            | 1                                     | 1,080                                     | 753.92        | 3                                     | 1,560                                     | 615.34        |
| Total or average                           | 2                                     | 1,200                                     | XX            | 3                                     | 1,650                                     | XX            |
| Grand total or average                     | 15,400                                | 208,000                                   | XX            | 17,700                                | 218,000                                   | XX            |

XX Not applicable.

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

<sup>2</sup>Cost, insurance, and freight value.

<sup>3</sup>Excludes precipitated calcium carbonate.

<sup>4</sup>Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 19  
THE TOP 100 PRODUCERS OF CRUSHED STONE IN THE UNITED STATES<sup>1</sup>

| 2013 Rank | 2012 Rank | Company  | 2013 Rank | 2012 Rank | Company                               |
|-----------|-----------|--|-----------|-----------|---------------------------------------|
| 1         | 1         | Vulcan Materials Co.                               | 51        | 55        | Stavola Construction Materials, Inc.  |
| 2         | 2         | Martin Marietta Aggregates                         | 52        | 54        | The Melvin Stone Co.                  |
| 3         | 3         | Oldcastle Materials, Inc.                          | 53        | 52        | The Kraemer Co.                       |
| 4         | 4         | Lehigh Hanson, Inc.                                | 54        | 47        | Votorantim Cement North America       |
| 5         | 5         | CEMEX S.A.B. de C.V.                               | 55        | 45        | Colas Inc.                            |
| 6         | 6         | Lafarge North America Inc.                         | 56        | 44        | American Infrastructure               |
| 7         | 7         | Carmeuse Lime & Stone                              | 57        | 53        | Schildberg Construction Co., Inc.     |
| 8         | 8         | Rogers Group, Inc.                                 | 58        | 63        | Graniterock Co.                       |
| 9         | 9         | Holcim Group/Aggregate Industries Management, Inc. | 59        | 41        | Glenn O. Hawbaker, Inc.               |
| 10        | 10        | Lhoist North America                               | 60        | 72        | Albert Frei & Sons, Inc.              |
| 11        | 11        | New Enterprise Stone & Lime Co., Inc.              | 61        | 81        | Cementos Argos S. A.                  |
| 12        | 13        | Luck Stone Corp.                                   | 62        | 57        | Pete Lien & Sons, Inc.                |
| 13        | 15        | Ash Grove Cement Co.                               | 63        | 60        | Wendling Quarries Inc.                |
| 14        | 14        | Summit Materials, Inc.                             | 64        | 67        | L. G. Everist, Inc.                   |
| 15        | 17        | Dolese Bros. Co.                                   | 65        | 59        | ISP Minerals, Inc.                    |
| 16        | 16        | National Lime & Stone Co.                          | 66        | 58        | Granite Construction, Inc.            |
| 17        | 20        | Vecellio & Grogan, Inc.                            | 67        | 65        | Mathy Construction Co.                |
| 18        | 12        | Texas Industries, Inc.                             | 68        | 64        | United States Lime and Minerals, Inc. |
| 19        | 18        | Buzzi Unicem USA Inc.                              | 69        | 79        | Weldon Materials, Inc.                |
| 20        | 22        | Eucon Corp.  | 70        | 93        | Frontera Materials, Inc.              |
| 21        | 29        | Eagle Materials Inc.                               | 71        | 82        | Vicat Group, The                      |
| 22        | 19        | Graymont Ltd.                                      | 72        | —         | Cementos Portland Valderrivas S.A.    |
| 23        | 35        | The H&K Group                                      | 73        | 69        | Salem Stone Corp                      |
| 24        | 21        | Mulzer Crushed Stone, Inc.                         | 74        | 62        | Chantilly Crushed Stone, Inc.         |
| 25        | 28        | Texas Crushed Stone Co., Inc.                      | 75        | 70        | RiverStone Group, Inc.                |
| 26        | 26        | Fred Weber, Inc.                                   | 76        | 84        | Bruening Rock Products, Inc.          |
| 27        | 23        | MDU Resources Group, Inc.                          | 77        | 71        | River Products Co., Inc.              |
| 28        | 31        | Mississippi Lime Co.                               | 78        | 80        | Omya Inc.                             |
| 29        | 98        | U.S. Forest Service                                | 79        | 87        | The DePaul Group                      |
| 30        | 24        | Ready Mix USA Holding Co.                          | 80        | 92        | Mitsubishi Cement Corp.               |
| 31        | 27        | Colorado Materials, Ltd                            | 81        | 73        | Pounding Mill Quarry Corp.            |
| 32        | 33        | Titan America LLC                                  | 82        | 85        | East Fairfield Coal Co.               |
| 33        | 32        | Tower Rock Stone Co.                               | 83        | —         | William Charles, Ltd.                 |
| 34        | 25        | Capitol Aggregates, Ltd.                           | 84        | 75        | Yager Materials                       |
| 35        | 30        | The Heritage Group                                 | 85        | —         | Dyer Quarry, Inc.                     |
| 36        | 56        | Laurel Aggregates, Inc.                            | 86        | 83        | Junction City Mining Company, LLC     |
| 37        | 68        | Bluegrass Materials Co.                            | 87        | —         | B.V. Hedrick Gravel & Sand Co., Inc.  |
| 38        | 34        | ESSROC Cement Corp.                                | 88        | 94        | Linwood Mining & Minerals Corp.       |
| 39        | 36        | Imerys   | 89        | 90        | BMC Aggregates, L.C.                  |
| 40        | 46        | Hoover, Inc.                                       | 90        | —         | Jobe Materials, L.P.                  |
| 41        | 42        | VantaCore Partners LP                              | 91        | —         | Palm Beach Aggregates, Inc.           |
| 42        | 38        | Wake Stone Corp.                                   | 92        | 95        | Las Vegas Paving Corp.                |
| 43        | 37        | Bureau of Land Management                          | 93        | —         | Bjoin Limestone Inc.                  |
| 44        | 39        | Boxley Materials Co.                               | 94        | —         | Minerals Technologies Inc.            |
| 45        | 49        | Greer Industries, Inc.                             | 95        | 76        | Sherwood Construction Co., Inc.       |
| 46        | 51        | McGeorge Contracting Co.                           | 96        | —         | Rockydale Quarries Corp.              |
| 47        | 48        | Irving Materials, Inc.                             | 97        | 97        | Peckham Industries, Inc.              |
| 48        | 61        | CalPortland Co.                                    | 98        | —         | Halquist Stone Co., Inc.              |
| 49        | 50        | Anchor Stone Co.                                   | 99        | 78        | Glasgow, Inc.                         |
| 50        | 40        | Snyder Associated Cos., Inc.                       | 100       | —         | 3M Co.                                |

— Not in the top 100 producers of crushed stone in the United States in 2012.

<sup>1</sup>In descending order of tonnage produced.