# Crushed Stone 

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Crushed stone is one of the most accessible natural resources and a major basic raw material used by construction, agriculture, and other industries utilizing complex chemical and metallurgical processes. Despite the relative low 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.

A total of 1.33 billion metric tons of crushed stone was produced for consumption in the United States in 1996, a 5.3\% increase compared with the total production of 1995. This tonnage represents the highest production level ever recorded in the United States, indicating a continued increase in the demand for construction aggregates. (See table 1.)

About three-quarters of the crushed stone production continued to be limestone and dolomite, followed, in order of volume, by granite, traprock, sandstone and quartzite, miscellaneous stone, marble, calcareous marl, slate, volcanic cinder and scoria, and shell. (See table 2.)

Foreign trade of crushed stone continued to remain relatively small. Exports decreased $45.9 \%$ to 3.3 million tons, and the value decreased only $8.4 \%$ to $\$ 36$ million compared with that of 1995.

Imports of crushed stone, including calcium carbonate, increased $4.1 \%$ to 11.3 million tons, and the value decreased slightly to $\$ 91.8$ million. Domestic apparent consumption of crushed stone, which is defined as production for consumption (sold or used) plus imports minus exports, was 1.34 billion tons. (See tables 1, 22, and 23.)

## Legislation

The Department of Transportation and Related Agencies Appropriation Act of 1997 (Public Law 104-205) was signed by the President on October 1, 1996. The act appropriated a record $\$ 20.3$ billion for highway funding, an increase of $\$ 313$ million over that of fiscal year 1996. The act also appropriated $\$ 1.46$ billion for the Airport Improvement Program, an increase of $\$ 10$ million over that of fiscal year 1996.

## Production

Domestic production data for crushed stone are derived by the U.S. Geological Survey (USGS) from voluntary surveys of U.S. producers.

Of the 4,070 crushed stone operations surveyed, 3,117 operations with 3,645 quarries owned by 1,493 companies were active. Of these, 2,461 operations with 2,686 quarries, representing $79 \%$ of the total number of operations and $73.7 \%$ of the total number of quarries, operated by 1,013 companies
reported to the USGS. Their total production represented $86.3 \%$ of the total U.S. crushed stone output. Of the 2,461 reporting operations, 659 operations with 693 quarries owned by 191 companies did not report a breakdown by end use. Their production represented $27.8 \%$ of the U.S. total and is included in table 13 under "Unspecified, actual" uses. The nonrespondent's production was estimated using employment data and/or adjusted production reports from prior years. The estimated production from 656 nonresponding operations with 959 quarries owned by 480 companies represented $13.7 \%$ of the U.S. total and is included in table 13 under "Unspecified, estimated" uses.

A total of 817 quarries were either idle or presumed to have been idle in 1996 because no information was available to estimate their production. Since the 1995 survey, 190 operations were closed down. Most of the idle or closed operations were small, temporary quarries operated by State or local governments.

A total of 1.33 billion tons of crushed stone was produced for consumption in the United States in 1996, a $5.3 \%$ increase compared with the revised 1995 total. This tonnage represents the highest production level ever recorded in the United States. (See table 1.) Of this total, 955 million tons, or $71.8 \%$, was limestone and dolomite, 202 million tons, or $15.2 \%$, was granite, and 95 million tons, or $7.1 \%$, was traprock. The remaining 78 million tons, or $5.9 \%$, was shared, in descending order of quantity, by sandstone and quartzite, miscellaneous stone, marble, calcareous marl, slate, volcanic cinder and scoria, and shell. (See table 2.)

A comparison of the four geographic regions indicates that in 1996, the South continued to lead the Nation in the production of crushed stone with 620 million tons, or $46.4 \%$, of the total, followed by the Midwest with 397 million tons, or $29.8 \%$, and the Northeast with 181 million tons, or $13.6 \%$. About $76 \%$ of the total U.S. crushed stone output was produced in two geographic regions, the South and the Midwest. (See table 3.)

Of the nine geographic divisions, the South Atlantic led the Nation in the production of crushed stone with 319 million tons, or $24 \%$, of the U.S. total. It was followed by the East North Central division with 249 million tons, or $18.7 \%$, and the East South Central with 155 million tons, or $11.7 \%$.

A comparison of the production data by the nine geographic divisions for 1995 and 1996 indicates that the output of crushed stone increased in all regions. The largest increases were recorded in the Mountain, $+10.6 \%$; the East South Central, $+8.1 \%$; and the Middle Atlantic, $+7.8 \%$.

Crushed stone was produced in every State except Delaware
and North Dakota. The 10 leading States in the production of crushed stone were, in order of volume, Pennsylvania, Texas, Florida, Missouri, Illinois, Ohio, Georgia, Virginia, Kentucky, and North Carolina. Their combined production represented $51.4 \%$ of the national total.

Crushed stone was produced by 1,493 companies at 3,117 operations with 3,645 quarries. Leading U.S. producers were, in order of volume, Vulcan Materials Co., Martin-Marietta Aggregates, Cornerstone Construction \& Materials, Inc., CSR America Inc., and Redland Aggregates North America.

In March, Tarmac America, Inc., of Norfolk, VA, announced the completion of an exchange of assets between Tarmac PLC of Wolverhampton, United Kingdom, and George Wimpey PLC of London, United Kingdom, in which Tarmac traded its private sector housing division in the UK for Wimpey's minerals and construction businesses. As the result of this exchange, Tarmac America acquired three quarries in Pennsylvania and New Jersey, five quarries in Canada, and 10 aggregates depots in Pennsylvania, Maryland, New Jersey, and Delaware (Rock Products, 1996).

In May, Rogers Group, Inc., of Nashville, TN, acquired three quarries known as M\&M Rock located around Conway, AR, from McConnell Materials of Conway, AR,. The acquisition also included two asphalt plants and a concrete plant (Aggregates Manager, 1996c).

In October, Rogers Group acquired the Tidwell Quarry located in Hot Springs County, AR, from Tidwell Construction Co., Inc., and renamed it Glen Rose Quarry (Aggregates Manager, 1996b).

In November, Redland Genstar, Inc., of Hunt Valley, MD, sold its Middletown, VA, limestone quarry to Chemstone Corp., of Strasburg, VA, a subsidiary of Global Stone, Inc., of Oakville, Ontario, Canada (Pit \& Quarry, 1996).

In October Oldcastle Inc./Materials Group of Washington, DC, a subsidiary of CRH PLC of Dublin, Ireland, announced the acquisition of Tilcon Inc. of New Britain, CT, and its 60 operations located in Connecticut, Delaware, Maine, Massachussettes, New Hampshire, New Jersey, New York, Rhode Island, and Vermont (Aggregates Manager, 1996a).

In November, Vulcan Materials Co. of Birmingham, AL, reported the purchase of one quarry from Black Rock Quarries, Inc., of Black Rock, AR.

Limestone.-The 1996 output of crushed limestone, including some dolomite, increased by $6.9 \%$ to 869 million tons valued at $\$ 4.4$ billion compared with the revised 1995 total. (See table 2.) In addition to the quarries reporting only limestone, 60 operations with 62 quarries reported producing limestone and dolomite without making a distinction between the two kinds of stone. Their combined production, of 25.6 million tons was included with the limestone. The limestone totals shown in this chapter, therefore, include an undetermined amount of dolomite in addition to the dolomite reported separately.

Limestone was produced by 879 companies at 1,854 operations with 1,998 quarries in 47 States. In addition, 43 companies with 60 operations and 62 quarries reported
producing limestone and dolomite from the same quarries.
The leading producing States were, in order of tonnage, Texas, Florida, Missouri, Kentucky, and Illinois; these five States accounted for $38.3 \%$ of the total U.S. output. (See table 8.) The leading producers were, in order of volume, Vulcan Materials Co., Martin Marietta Aggregates, Cornerstone Construction \& Materials, Inc., CSR America, Inc., and Rogers Group, Inc.

Dolomite.—Production of dolomite decreased by $1.0 \%$ to 86 million tons valued at $\$ 447$ million compared with the revised 1995 total. (See table 2.) Crushed dolomite was reportedly produced by 96 companies at 165 operations with 175 quarries in 25 States. An additional undetermined amount of dolomite is included in the total crushed limestone.

The leading producing States were, in order of tonnage, Ohio, Pennsylvania, Illinois, Michigan and New York; these five States accounted for $59.5 \%$ of the total U.S. output. (See table 8.) The leading producers were Cornerstone Construction \& Materials, Inc., S.E. Johnson Co./Stoneco, Inc., Oldcastle Inc., National Lime \& Stone Co., and ASARCO Incorporated/American Limestone Co.

Marble.-Production of crushed marble increased by $2.2 \%$ to 6.1 million tons valued at $\$ 42.6$ million compared with 1995. (See table 2.) Crushed marble was produced by 14 companies with 24 operations and 49 quarries in 11 States. (See table 9.) The leading producers of crushed marble were, in order of tonnage, Florida Rock Industries, Inc., Georgia Marble Co., and CAMAS America, Inc.

Calcareous Marl.—Output of marl increased by $1.2 \%$ to 3.6 million tons valued at $\$ 11.4$ million compared with the revised 1995 total. (See table 2.) Marl was produced by 11 companies with 11 quarries in 6 States. (See table 9.) The leading producers were, in order of tonnage, Capitol Aggregates Inc., Giant Group Ltd., and Blue Circle America, Inc.

Shell.-Shell is derived mainly from fossil reefs or oyster shell. The output of crushed shell decreased by $26.3 \%$ to 1.7 million tons valued at $\$ 6.6$ million. (See table 2.) Crushed shell was produced by seven companies with seven operations in four States. The leading producers were, in order of tonnage, Quality Aggregates, Inc., Panther Crushing. Inc., and Leisey Shell Corp.

Granite.-The output of crushed granite increased by $3.2 \%$ to 202 million tons valued at $\$ 1.3$ billion. (See table 2.) Crushed granite was produced by 152 companies at 326 operations with 357 quarries in 37 States.

The leading States were, in order of tonnage, Georgia, North Carolina, Virginia, South Carolina, and Arkansas; these five States accounted for $72.8 \%$ of the U.S. output. (See table 10.) The leading producers were, in order of tonnage, Vulcan Materials Co., Martin Marietta Aggregates, Cornerstone Construction \& Materials, Inc., Blue Circle America, Inc., and Florida Rock Industries, Inc.

Traprock.—Production of crushed traprock decreased by $2.7 \%$ to 94.6 million tons valued at $\$ 572.6$ million. (See table 2.) Traprock was produced by 256 companies at 361 operations with 559 quarries in 27 States.

The leading States were, in order of tonnage, Oregon, Virginia, Washington, New Jersey, and California; these five States accounted for $64.4 \%$ of U.S. output. (See table 10.) The leading producers were, in order of tonnage, Vulcan Materials Co., Luck Stone Corp., Oldcastle Inc./Materials Group,, Stavola, Inc./Traprock Industries, and Mac Aquisitions LP DBA Meridian Aggregates.

Sandstone and Quartzite.-The combined output of crushed sandstone and quartzite increased by $7 \%$ to 37.4 million tons valued at $\$ 220.7$ million. (See table 2.) Crushed sandstone was produced by 105 companies at 134 operations with 151 quarries in 26 States, and crushed quartzite was produced by 33 companies at 37 operations with 53 quarries in 21 States.

The leading producing States were, in order of tonnage of sandstone and quartzite, Arkansas, Pennsylvania, South Dakota, New York, and Vermont; their combined production accounted for $52.6 \%$ of the U.S. output. (See table 10.) The leading producers of sandstone were, in order of tonnage, Ashland Oil, Inc./Arkola Sand and Gravel Co., Martin Marietta Aggregates, and Mac Aquisitions LP DBA Meridian Aggregates Co., and the leading producers of quartzite were Nova Materials Inc., L.G. Everist Inc., and Sweetman Construction Co.

Slate.-The output of crushed slate increased by $14.2 \%$ to 2.8 million tons valued at $\$ 22.9$ million. (See table 2.) Crushed slate was produced by 16 companies at 18 operations with 22 quarries in 12 States.

Most of the crushed slate was produced in North Carolina. The leading producers were, in order of tonnage, Martin Marietta Aggregates, Vulcan Materials Co., and LesuerRichmond Slate Corp.

Volcanic Cinder and Scoria.-Production of volcanic cinder and scoria increased $9.3 \%$ to 2.1 million tons valued at $\$ 13.4$ million. (See table 2.) Volcanic cinder and scoria were produced by 22 companies from 28 operations with 77 quarries in 13 States.

The leading producing States were, in order of volume, California, New Mexico, and Arizona; their combined production accounted for $45.9 \%$ of the total U.S. output. (See table 11.) Leading producers were, in order of tonnage, Martin Marietta, Stoney Point Rock Quarry Inc., and Byley H.G. \& Sons Construction Co., Inc.

Miscellaneous Stone.-Output of other kinds of crushed stone increased by $16.1 \%$ to 24.8 million tons valued at $\$ 147.3$ million. (See table 2.) Miscellaneous stone was produced by 76 companies at 91 operations with 126 quarries in 24 States.

The leading producing States were, in order of volume, Pennsylvania, California, and Texas; their combined production accounted for $49.5 \%$ of the total U.S. output. (See table 11.)

## Consumption and Uses

Crushed stone production reported to the USGS is actually material that was either sold or 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 is included in "Unspecified, actual" use. The estimated production of nonrespondents is included in "Unspecified, estimated" use.

In 1996, U.S. consumption of crushed stone was 1.33 billion tons, a $5.3 \%$ increase compared with that of 1995 . Of the 1.33 billion tons of crushed stone consumed, 551.4 million tons or $41.5 \%$ of the total was "Unspecified, actual and estimated" uses. Of the remaining 778.6 million tons reported by uses by the producers, about $83.2 \%$ was used as construction aggregates, mostly for highway and road construction and maintenance; $13.9 \%$, for chemical and metallurgical uses, including cement and lime manufacture; $1.9 \%$, for agricultural uses; and $0.8 \%$ for special uses and products. (See table 13.) To provide a more accurate estimation of the consumption patterns for crushed stone, the "Unspecified" uses are not included in the above percentages. It is recommended that in any use pattern study or marketing analysis, the quantities included in "Unspecified" uses be distributed among the reported uses by applying the above percentages to the "Unspecified" uses, total.

Limestone.-Of the 868.9 million tons of crushed limestone consumed, 341.7 million tons or $39.3 \%$, was "Unspecified, actual and estimated" uses. Of the remaining 527.2 million tons of crushed limestone reported by uses, $77.3 \%$, was used as construction aggregates; $19.3 \%$, for chemical and metallurgical uses including cement and lime manufacturing; 2.3\%, for agricultural uses; and $1.1 \%$ for special uses and products. (See table 14.)

Dolomite.-Of the 86 million tons of crushed dolomite consumed, 25.8 million tons or $30 \%$, was "Unspecified, actual and estimated" uses. Of the remaining 60.2 million tons of crushed dolomite reported by uses, $89.7 \%$, was used as construction aggregates; $4.4 \%$, for chemical and metallurgical uses; $3.2 \%$, for agricultural uses; and $2.7 \%$, for special and miscellaneous uses. An additional undefined amount of dolomite consumed in a variety of uses, mostly construction aggregates, is reported with the limestone. (See table 14.)

Marble-Of the 6.1 million tons of crushed marble consumed, 4.3 million tons, or $70.7 \%$, was reported as "Unspecified, actual and estimated" uses. Of the remaining 1.8 million tons of crushed marble reported by uses, 1.5 million tons, or $85.8 \%$, was used as construction aggregates; 207,000 tons, or $11.6 \%$, as special and miscellaneous uses, including fillers and extenders; and 46,000 tons, or $2.6 \%$, for chemical and metallurgical purposes. (See table 16.)

Calcareous Marl.—Of the 3.6 million tons of crushed calcareous marl consumed, 1.1 million tons or $30.2 \%$, was reported as "Unspecified, actual and estimated" uses. Of the remaining 2.5 million tons of crushed marl reported by uses, $77.2 \%$, was used for cement manufacturing; and most of the remaining $22.8 \%$, as construction aggregates and for agricultural uses.

Shell.-Of the 1.7 million tons of crushed shell consumed, $86 \%$, was used as construction aggregates; $12.8 \%$, for cement
manufacturing; and $1.2 \%$, as poultry grit.
Granite.-Of the 202 million tons of crushed granite consumed, 104.4 million tons, or $51.7 \%$, was reported as "Unspecified, actual and estimated" uses. The remaining 97.6 million tons was used as construction aggregates. (See table 17.)

Traprock.-Of the 94.6 million tons of crushed traprock consumed, 32.4 million tons, or $34.2 \%$, was reported as "Unspecified, actual and estimated" uses. The remaining 62.1 million tons was used as construction aggregates. (See table 17.)

Sandstone and Quartzite.—Of the 27.7 million tons of crushed sandstone consumed, 16 million tons, or $57.7 \%$, was reported as "Unspecified, actual and estimated" uses. Of the remaining 11.7 million tons of crushed sandstone reported by uses, 11.2 million tons or $95.8 \%$, was used as construction aggregates. (See table 18.)

Of the 9.7 million tons of crushed quartzite consumed, 4.7 million tons or $48.3 \%$ was reported as "Unspecified, actual and estimated" uses. Of the remaining 5 million tons of crushed quartzite reported by uses, $90.1 \%$ was used as construction aggregates. (See table 18.)

Volcanic Cinder and Scoria.-Of the 2.1 million tons of volcanic cinder and scoria consumed, 804,000 tons or $39.2 \%$ was reported as "Unspecified, actual and estimated" uses. Most of the remaining 1.2 million tons of crushed volcanic cinder and scoria was used as construction aggregates. (See table 19.)

Miscellaneous Stone.-Of the 33 million tons of miscellaneous crushed stone consumed, 21.3 million tons, or $64.5 \%$, was reported as "Unspecified, actual and estimated" uses. Of the remaining 11.7 million tons reported by uses, 8.6 million tons, or $73.5 \%$, was used as construction aggregates, and 4.5 million tons, or $39.7 \%$, was used for cement manufacturing. (See table 19.)

## Recycling

As the recycling of most waste materials increases, the aggregates producers are recycling more cement concrete, and asphalt concrete materials, recovered from construction projects to produce concrete aggregates and asphalt aggregates. The annual survey of crushed stone producers now collects information on recycling of cement and asphalt concretes produced by the crushed stone producers only. No information on recycling of these materials by the construction or demolition companies is collected by the USGS.

Asphalt Concrete.-A total of 1.3 million tons of asphalt concrete valued at $\$ 8.6$ million was recycled by 62 companies in 31 States. This volume represents a $14.6 \%$ decrease compared with that of 1995. (See tables 20 and 21.) The leading recycling States were, in descending order of tonnage, Massachusetts, Minnesota, and California. The leading recycling companies were, in order of tonnage produced, Bardon Group Inc., Oldcastle Inc./Materials Group, and Mount Hope Rock Products, Inc.

Cement Concrete.-A total of 1.2 million tons of cement
concrete valued at $\$ 6.3$ million was recycled by 43 companies in 16 States. This tonnage represents a $28.3 \%$ increase compared with that of 1995. (See tables 20 and 22.) The leading recycling States were, in descending order of tonnage, California, Massachusetts, and Wisconsin. The leading companies were, in order of tonnage produced, Dell Materials, Vulcan Materials Co., and Stoneway Concrete, Inc.

## Prices

Prices in this chapter are f.o.b. plant, usually at the first point of sale or captive use. 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 costs and profit.

The average unit price per ton of crushed stone increased by $1.1 \%$ to $\$ 5.40$, compared with that of 1995 . The average unit prices, by kind of stone, showed mostly modest increases of between $1.1 \%$ for limestone to $4.4 \%$ for traprock, as well as decreases for shell ( $-59 \%$ ), marble ( $-25.7 \%$ ), slate ( $-5.5 \%$ ), and sandstone and quartzite (-1.1\%). (See table 2.)

## Transportation

For 575.1 million tons, or $43.2 \%$, of the total 1.33 billion tons of crushed stone produced for consumption in 1996, no means of transportation was reported by the producers. Of the remaining 755 million tons of crushed stone, 571.7 million tons, or $75.7 \%$, was reported as being transported by truck from the processing plant or quarry to the first point of sale or use; $7.8 \%$, by rail; and $4.3 \%$, by waterway. About $9.2 \%$ of the specified production was reported as not having been transported and, therefore, was used on-site. Information regarding means of transportation used by the producers to ship crushed stone in each geographic region is provided in table 23.

## Foreign Trade

The widespread distribution of domestic crushed stone deposits and the high cost of transportation limits foreign trade to mostly local transactions across international boundaries. U.S. imports and exports are small, representing less than $1 \%$ of the domestic consumption. Shipments of crushed stone by water from Canada and especially Mexico, however, continue to increase.

Exports.-Exports of crushed stone decreased by $45.9 \%$ to 3.3 million tons compared with that of 1995 , and the value decreased by only $8.4 \%$ to $\$ 36$ million. About $92.7 \%$ of the exported crushed stone was limestone. Canada was the major destination with $79.7 \%$ of the total crushed stone, followed by Japan with 5.7\%. (See table 24.)

Imports.—Imports of crushed stone increased by $4.1 \%$ to 11.3 million tons compared with that of 1995, and the value decreased by $0.8 \%$ to $\$ 89.6$ million. About $88.9 \%$ of the imported crushed stone was limestone. Imports of natural calcium carbonate fines decreased from 7,000 to 3,000 tons.

## (See table 25.)

Shipments of crushed stone from the Bahamas, Canada, and Mexico into the United States continued in 1996. The imported crushed stone was used mostly as construction aggregates or for cement manufacturing. This trend is expected to continue, and the volume of imports, especially from Mexico, to increase.

## Outlook

The demand for crushed stone in 1997 is expected to be about 1.38 billion tons, a $4 \%$ increase over that of 1996. Gradual increases in demand for construction aggregates are anticipated after 1997 as well, on the basis of the volume of work on the infrastructure that will be financed by the new Surface Transportation Efficiency Act and the U.S. economy in general. The projected increases will be influenced by construction activity in the public, as well as the private construction sectors.

Crushed stone f.o.b. prices are not expected to increase significantly. The delivered prices of crushed stone are, however expected to increase, especially in and near metropolitan areas, mainly because more aggregates are transported from distant sources.

## References Cited

Aggregates Manager-1996c, Rogers Group acquires McConnell Materials in central Arkansas: Aggregates Manager, v. 1, no. 4, p. 7.
_1996a, CRH/Oldcastle acquires Tilcon: Aggregates Manager, v. 1, no. 4, p. 7.
_1996b, Rogers acquires Tidwell Quarry: Aggregates Manager, v. 1, no. 4, p. 7.
Pit \& Quarry, 1996, Redland Genstar sells limestone operation: Pit \& Quarry, v. 89, no. 5, p. 6.

Rock Products, 1996, Tarmac America realizes 35\% gain from asset swap: Rock Products, v. 99, no. 4, p. 7.

## SOURCES OF INFORMATION

## U.S. Geological Survey Publications

Lawrence, R. A., 1973, Construction Stone. Ch. in United States Mineral Resources, ed. by D.A. Brobst and W. P.Pratt.
U.S. Geol. Surv. Prof. Paper 820, pp 157-162.

Hubbard, H. A., and Ericksen, G. E., 1973, Limestone and Dolomite. Ch. in United States Mineral Resources, ed. by D. A. Brobst and W. P. Pratt. U.S. Geol. Surv. Prof. Paper 820, 1973, pp. 357-364.

Langer, W. H., and Glanzman, V. M., 1993, Natural Aggregate-Building America's Future. U.S. Geol. Surv. Circular 1110, 34 p.

Langer, W. A., 1988 Natural Aggregates of the Conterminous United States. U.S. Geol. Surv. Bulletin, 1594, 33 p.

## Other Sources

Aggregates Handbook, National Stone Association, 1991.
Aggregates: Sand, Gravel, \& Crushed Rock Aggregates for Construction Purposes, The Geological Society, United Kingdom, 1985.

Concrete Manual, A Water Resources Publication, U.S. Department of the Interior, Bureau of Reclamation, 1975.

Earth Manual, A Water Resources Publication, U.S. Department of the Interior, Bureau of Reclamation, 1974.

Geology of Nonmetallics, Bates, R.L. and P.W. Harben, Metal Bulletin Inc., 1984.

Handbook of Concrete Aggregates, Dolar-Mantuani, L. Noyes Publications, 1983.

Industrial Minerals.
Industrial Minerals and Rocks, 6th edition, American Institute of Mining, Metallurgical, and Petroleum Engineers, Inc. 1994.

Aggregates Manager.
Canadian Aggregates.
Pit \& Quarry.
Quarry Management.
Rock Products.
Stone Review.

TABLE 1

## SALIENT CRUSHED STONE STATISTICS 1/

(Thousand metric tons and thousand dollars)

|  |  | 1992 | 1993 |  | 1994 |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Sold or used by producers: |  |  |  |  |  | 1995 |
| Quantity 2/ |  |  | $\$, 050,000$ | $1,120,000$ | $1,230,000$ | $1,260,000$ |
| Value 2/ | value | $\$ 43,000 \mathrm{e} /$ | $\$ 5,930,000$ | $\$ 6,620,000$ | $\$ 6,740,000 \mathrm{r} /$ | $\$ 7,180,000$ |
| Exports | do. | $\$ 60,700$ | $\$ 39,300$ | $\$ 38,100$ | $\$ 39,300$ | $\$ 36,300$ |
| Imports 3/ |  |  | $\$ 74,300$ | $\$ 77,800$ | $\$ 91,900$ | $\$ 91,800$ |

e/ Estimated. r/ Revised.
1/ Data are rounded to three significant digits.
2/ Does not include American Samoa, Guam, Puerto Rico, and the U.S. Virgin Islands.
3/ Excludes precipitated calcium carbonate.

TABLE 2
CRUSHED STONE SOLD OR USED IN THE UNITED STATES, BY KIND 1/

| Kind | 1995 |  |  |  | 1996 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number of quarries | Quantity (thousand metric tons) | Value (thousands) | Unit <br> value | Number of quarries | Quantity (thousand metric tons) | Value (thousands) | Unit <br> value |
| Limestone 2/ | 2,007 | 813,000 r/ | \$4,060,000 r/ | \$4.99 r/ | 2,060 | 869,000 | \$4,390,000 | \$5.05 |
| Dolomite | $183 \mathrm{r} /$ | 85,100 r/ | 436,000 r/ | $5.13 \mathrm{r} /$ | 175 | 86,000 | 447,000 | 5.20 |
| Marble | 42 | 5,960 | 52,400 | $8.80 \mathrm{r} /$ | 49 | 6,090 | 42,600 | 7.00 |
| Calcareous marl | $13 \mathrm{r} /$ | 3,590 r/ | 10,900 r/ | 3.04 r/ | 11 | 3,640 | 11,400 | 3.15 |
| Shell | 11 | 2,320 | 14,300 | 6.18 r/ | 7 | 1,710 | 6,640 | 3.89 |
| Granite | 366 r/ | 196,000 r/ | 1,240,000 r/ | 6.34 r/ | 357 | 202,000 | 1,310,000 | 6.50 |
| Traprock | 589 | 97,200 r/ | $563,000 \mathrm{r} /$ | 5.79 r/ | 559 | 94,600 | 573,000 | 6.05 |
| Sandstone and quartzite | 253 r/ | 35,000 r/ | 208,000 r/ | 5.96 r/ | 204 | 37,400 | 221,000 | 5.90 |
| Slate | $18 \mathrm{r} /$ | 2,480 r/ | 21,200 r/ | 8.56 r/ | 22 | 2,830 | 22,900 | 8.11 |
| Volcanic cinder and scoria | 76 | 1,880 | 12,000 | 6.38 | 77 | 2,050 | 13,400 | 6.54 |
| Miscellaneous stone | 125 r/ | 21,400 r/ | $125,000 \mathrm{r} /$ | $5.83 \mathrm{r} /$ | 126 | 24,800 | 147,000 | 5.93 |
| Total | XX | 1,260,000 | 6,740,000 r/ | $5.36 \mathrm{r} /$ | XX | 1,330,000 | 7,180,000 | 5.40 |

r/ Revised. XX Not applicable.
1/ Data are rounded to three significant digits; may not add to totals shown.
2/ Includes limestone-dolomite reported with no distinction between the two kinds of stone.

TABLE 3
CRUSHED STONE 1/ SOLD OR USED IN THE UNITED STATES, BY REGION 2/
(Thousand metric tons and thousand dollars)

| Region/Division | 1995 |  | 1996 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value |
| Northeast: |  |  |  |  |
| New England | 28,500 | 206,000 | 28,800 | 203,000 |
| Middle Atlantic | 141,000 | 828,000 | 152,000 | 896,000 |
| Midwest: |  |  |  |  |
| East North Central | 235,000 | 1,070,000 | 249,000 | 1,170,000 |
| West North Central | 146,000 | 735,000 | 148,000 | 765,000 |
| South: |  |  |  |  |
| South Atlantic | 301,000 | 1,810,000 | 319,000 | 1,950,000 |
| East South Central | 144,000 | 702,000 | 155,000 | 758,000 |
| West South Central | 142,000 | 649,000 | 145,000 | 647,000 |
| West: |  |  |  |  |
| Mountain | 35,300 | 199,000 | 39,100 | 229,000 |
| Pacific | 91,000 r/ | 548,000 r/ | 93,500 | 573,000 |
| Total | 1,260,000 | 6,740,000 r/ | 1,330,000 | 7,180,000 |
| r/ Revised. |  |  |  |  |
| 1/ Includes volcanic cind |  |  |  |  |
| 2/ Data are rounded to th | digits; may no | dd to totals sho |  |  |

TABLE 4
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1996
BY QUARTER AND DIVISION 1/

| Region/Division | Quantity 1st quarter (thousand metric tons) | Percentage change 2/ | Quantity 2d quarter (thousand metric tons) | Percentage change 2/ | Quantity 3d quarter (thousand metric tons) | Percentage change 2/ | Quantity 4th quarter (thousand metric tons) | Percentage change 2/ | Total 3/ (thousand metric tons) | $\begin{gathered} \text { Value } \\ \text { total 3/ } \\ \text { (thousands) } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Northeast: |  |  |  |  |  |  |  |  |  |  |
| New England | 900 | -49.5 | 7,400 | -19.7 | 8,800 | -8.3 | 7,200 | -3.4 | 24,300 | \$174,000 |
| Middle Atlantic | 17,600 | -11.3 | 41,700 | -1.1 | 50,500 | 9.3 | 42,500 | 28.1 | 152,000 | 899,000 |
| Midwest: |  |  |  |  |  |  |  |  |  |  |
| East North Central | 26,500 | -10.0 | 66,100 | 1.2 | 88,900 | 13.6 | 68,500 | 10.5 | 250,000 | 1,150,000 |
| West North Central | 22,600 | -9.4 | 40,400 | 8.6 | 48,400 | 3.6 | 39,600 | 10.4 | 151,000 | 759,000 |
| South: |  |  |  |  |  |  |  |  |  |  |
| South Atlantic | 58,800 | -5.0 | 88,500 | 8.7 | 88,000 | 4.5 | 82,000 | 14.5 | 317,000 | 1,920,000 |
| East South Central | 26,800 | -2.6 | 42,400 | 13.0 | 47,000 | 12.4 | 39,800 | 10.7 | 156,000 | 710,000 |
| West South Central | 33,600 | 9.9 | 35,900 | -0.7 | 39,300 | 1.4 | 35,200 | 1.3 | 144,000 | 657,000 |
| West: |  |  |  |  |  |  |  |  |  |  |
| Mountain | 6,000 | 3.2 | 9,900 | 8.3 | 10,700 | -1.5 | 8,800 | -4.0 | 35,400 | 198,000 |
| Pacific 4/ | 16,700 | 7.0 | 22,000 | 5.3 | 24,900 | 1.6 | 22,100 | 15.2 | 85,700 | 476,000 |
| Total 5/ | 209,600 | -3.7 | 354,300 | 4.5 | 406,300 | 6.7 | 345,900 | 11.8 | 1,330,000 | 7,110,000 |

1/ As published in the "Crushed Stone and Sand and Gravel in the Fourth Quarter of 1996 Mineral Industry Surveys."
2/ All percentage changes are calculated by using unrounded totals. Percentage changes are based on the corresponding quarter of the previous year.
3/ Data may not add to totals shown because of independent rounding and differences between projected totals by States and by regions.
4/ Does not include Alaska and Hawaii.
5/ Includes Alaska, Hawaii, and "Other;" see table 6.

TABLE 5
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE $1 / 2 /$

| State | 1995 |  |  | 1996 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity (thousand metric tons) | Value (thousands) | Unit value | Quantity (thousand metric tons) | Value (thousands) | Unit value |
| Alabama | 33,600 | \$174,000 | \$5.19 | 38,900 | \$198,000 | \$5.09 |
| Alaska 3/ | 2,430 r/ 4/ | 14,500 r/ 4/ | 5.97 r/ | 2,600 4/5/ | 16,500 4/5/ | 6.35 |
| Arizona | 5,520 | 32,600 | 5.91 | 6,800 | 40,600 | 5.97 |
| Arkansas | 25,500 | 169,000 | 6.64 | 26,400 | 158,000 | 5.96 |
| California | 43,700 6/7/ | 268,000 6/7/ | 6.14 | 46,700 | 295,000 | 6.31 |
| Colorado | 9,000 | 58,500 | 6.50 | 9,940 | 64,900 | 6.54 |
| Connecticut | 6,070 8/9/ | 45,500 8/9/ | 7.50 | 6,720 | 55,000 | 8.19 |
| Florida | 68,000 | 350,000 | 5.14 | 73,600 10/ | 394,000 10/ | 5.35 |
| Georgia | 60,600 | 373,000 | 6.14 | 63,400 6/ | 401,000 6/ | 6.33 |
| Hawaii | 7,450 11/ 12/ | 73,500 11/ 12/ | 9.87 | 6,560 | 77,500 | 11.82 |
| Idaho | 3,210 12/ | 14,000 12/ | 4.36 | 3,960 12/ | 20,200 12/ | 5.11 |
| Illinois | 61,400 | 335,000 | 5.46 | 66,500 | 364,000 | 5.47 |
| Indiana | 49,200 13/ | 234,000 13/ | 4.76 | 53,700 13/ | 254,000 13/ | 4.73 |
| Iowa | 35,300 | 210,000 | 5.96 | 34,400 | 202,000 | 5.88 |
| Kansas | 20,400 | 95,800 | 4.69 | 22,100 | 110,000 | 4.96 |
| Kentucky | 54,700 | 230,000 | 4.20 | 58,500 11/ | 243,000 11/ | 4.15 |
| Louisiana | 2,540 7/ 12/ | 26,700 7/ 12/ | 10.50 | 2,290 12/ | 23,900 12/ | 10.44 |
| Maine | 3,110 | 16,100 | 5.17 | 2,760 | 14,800 | 5.38 |
| Maryland | 24,200 | 158,000 | 6.54 | 22,400 6/ 14/ | 142,000 6/ 14/ | 6.33 |
| Massachusetts | 11,100 | 97,400 | 8.77 | 11,800 12/ | 91,600 12/ | 7.77 |
| Michigan | 37,500 | 127,000 | 3.38 | 38,600 5/ 12/ | 144,000 5/ 12/ | 3.72 |
| Minnesota | 11,300 9/ 14/ | 47,400 9/ 14/ | 4.19 | 12,100 | 59,000 | 4.88 |
| Mississippi | 1,990 10/ | 8,010 10/ | 4.03 | 2,180 10/ | 9,300 10/ | 4.26 |
| Missouri | 65,700 5/ | 305,000 5/ | 4.64 | 67,000 | 325,000 | 4.85 |
| Montana | 2,370 9/ | 9,920 9/ | 4.19 | 2,000 | 8,580 | 4.29 |
| Nebraska | 6,590 | 41,800 | 6.34 | 6,370 | 39,800 | 6.25 |
| Nevada | 2,410 | 21,400 | 8.90 | 3,080 | 25,200 | 8.18 |
| New Hampshire | 2,150 15/ | 9,150 15/ | 4.25 | 1,430 15/ | 8,650 15/ | 6.06 |
| New Jersey | 21,000 | 132,000 | 6.28 | 21,400 | 145,000 | 6.79 |
| New Mexico | 3,660 | 18,800 | 5.12 | 3,480 9/ 14/ | 18,800 9/ 14/ | 5.42 |
| New York | 39,500 | 204,000 | 5.15 | 43,600 | 233,000 | 5.34 |
| North Carolina | 57,300 | 384,000 | 6.69 | 57,200 | 394,000 | 6.89 |
| Ohio | 60,900 | 265,000 | 4.35 | 63,600 | 291,000 | 4.57 |
| Oklahoma | 31,100 7/ | 125,000 7/ 14/ | 4.02 | 28,300 7/ 14/ | 117,000 7/ 14/ | 4.14 |
| Oregon | 20,700 | 95,700 | 4.63 | 22,000 | 102,000 | 4.65 |
| Pennsylvania | 80,900 | 492,000 | 6.09 | 87,400 | 518,000 | 5.92 |
| Rhode Island | 1,250 | 9,140 | 7.30 | 1,440 | 9,680 | 6.74 |
| South Carolina | 22,000 | 132,000 | 5.98 | 23,800 | 146,000 | 6.15 |
| South Dakota | 5,420 5/ 12/ | 25,700 5/ 12/ | 4.74 | 5,640 | 28,700 | 5.09 |
| Tennessee | 52,600 | 286,000 | 5.43 | 55,100 | 305,000 | 5.53 |
| Texas | 81,100 | 310,000 | 3.82 | 86,500 | 341,000 | 3.94 |
| Utah | 4,140 | 14,800 | 3.58 | 4,380 | 19,100 | 4.35 |
| Vermont | 4,420 | 20,700 | 4.68 | 4,560 | 22,800 | 5.01 |
| Virginia | 55,400 | 326,000 | 5.89 | 59,700 | 351,000 | 5.87 |
| Washington | 15,800 4/ 6/ | 76,800 4/ 6/ | 4.85 | 15,400 | 81,400 | 5.27 |
| West Virginia | 11,800 8/ | 75,000 8/ | 6.38 | 12,700 8/ | 78,400 8/ | 6.16 |
| Wisconsin | 26,000 | 108,000 | 4.16 | 26,000 | 113,000 | 4.34 |
| Wyoming | 4,670 | 27,500 | 5.88 | 5,180 | 30,000 | 5.79 |
| Other | 6,620 | 69,300 | 10.47 | 9,400 | 53,000 | 5.64 |
| Total | 1,260,000 | 6,740,000 r/ | 5.34 r/ | 1,330,000 | 7,180,000 | 5.40 |

r/ Revised.
1/ Data are rounded to three significant digits; may not add to totals shown.
2/ To avoid disclosing company proprietary data, certain State totals do not include all kinds of stone produced within the State; the portion not shown has been included with "Other."
3/ Data derived, in part, from the Alaska Division of Geological and Geophysical Surveys information.
4/ Excludes limestone-dolomite.
5/ Excludes granite.
6/ Excludes marble.
7/ Excludes shell.
8/ Excludes dolomite.
9/ Excludes quartzite.
10/ Excludes calcareous marl.
11/ Excludes sandstone.
12/ Excludes other.
13/ Excludes slate.
14/ Excludes traprock.
15/ Excludes limestone.

TABLE 6
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1996
BY QUARTER AND STATE 1/

| State | Quantity 1st quarter (thousand metric tons) | Percentage change $2 /$ | Quantity 2d quarter (thousand metric tons) | Percentage change $2 /$ | Quantity 3d quarter (thousand metric tons) | Percentage change $2 /$ | Quantity 4th quarter (thousand metric tons) | Percentage change $2 /$ | Total 3/ (thousand metric tons) | Value <br> total 3/ <br> (thousands) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Alabama | 7,800 | 6.6 | 10,700 | 19.2 | 10,700 | 15.5 | 9,700 | 20.9 | 38,900 | \$204,000 |
| Alaska 4/ 5/ | -- | -- | -- | -- | -- | -- | -- | -- | 3,500 | 21,500 |
| Arizona 6/ | -- | -- | -- | -- | -- | -- | -- | -- | 5,250 | 31,200 |
| Arkansas | 5,500 | 2.9 | 7,000 | 4.8 | 7,300 | 1.1 | 6,500 | 4.8 | 26,400 | 177,000 |
| California 5/ | 8,900 | 16.8 | 11,800 | 8.0 | 14,100 | -1.0 | 11,900 | 8.6 | 46,700 | 289,000 |
| Colorado | 1,300 | -9.3 | 3,100 | 51.6 | 3,000 | -1.7 | 2,500 | 3.2 | 9,950 | 65,100 |
| Connecticut 5/ | 100 | -71.5 | 1,800 | -4.2 | 2,300 | 10.1 | 1,100 | -35.4 | 5,310 | 40,100 |
| Delaware 4/ | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Florida | 18,000 | -3.2 | 18,000 | 4.3 | 17,700 | 9.3 | 17,700 | 10.5 | 71,300 | 371,000 |
| Georgia | 12,600 | -2.0 | 18,600 | 13.5 | 17,500 | 2.9 | 15,600 | 9.0 | 64,300 | 399,000 |
| Hawaii 4/ 5/ | -- | -- | -- | -- | -- | -- | -- | -- | 7,700 | 76,200 |
| Idaho 5/ 6/ | 300 | -31.8 | 300 | -54.0 | 800 | -18.4 | 700 | -35.6 | 2,120 | 9,340 |
| Illinois | 7,100 | -7.5 | 16,600 | 4.9 | 23,500 | 12.7 | 19,200 | 13.0 | 66,500 | 365,000 |
| Indiana 5/ | 7,200 | -4.7 | 13,400 | 5.2 | 19,400 | 23.8 | 14,600 | 10.3 | 54,600 | 262,000 |
| Iowa | 4,400 | -6.6 | 10,000 | -4.0 | 11,900 | 0.6 | 9,100 | 8.5 | 35,400 | 212,000 |
| Kansas | 4,200 | 4.4 | 6,300 | 22.0 | 6,400 | 4.3 | 6,400 | 28.3 | 23,400 | 111,000 |
| Kentucky 5/ | 10,100 | -7.3 | 14,900 | 13.5 | 19,400 | 20.7 | 14,900 | 1.3 | 59,200 | 252,000 |
| Louisiana 5/ 6/ | -- | -- | -- | -- | -- | -- | -- | -- | 2,650 | 27,900 |
| Maine | 300 | 4.8 | 900 | 8.2 | 1,100 | 5.1 | 800 | -9.1 | 3,160 | 16,400 |
| Maryland | 3,500 | -21.0 | 7,300 | 6.3 | 7,900 | 9.8 | 7,700 | 34.5 | 26,400 | 174,000 |
| Massachusetts | 200 | -64.5 | 2,700 | -32.3 | 3,000 | -15.5 | 3,100 | 6.3 | 9,020 | 79,400 |
| Michigan | 2,600 | 2.0 | 11,200 | -4.3 | 13,700 | 6.3 | 11,400 | 10.1 | 38,900 | 132,000 |
| Minnesota 5/ | 500 | -6.9 | 3,400 | 8.9 | 5,300 | 16.0 | 2,900 | -4.6 | 12,100 | 51,500 |
| Mississippi 5/6/ | -- | -- | -- | -- | -- | -- | -- | -- | 2,300 | 9,300 |
| Missouri 5/ | 12,300 | -15.4 | 17,200 | 14.3 | 19,400 | -0.7 | 18,100 | 9.2 | 67,000 | 315,000 |
| Montana 5/6/ | -- | -- | -- | -- | -- | -- | -- | -- | 2,290 | 9,720 |
| Nebraska | 1,000 | -14.6 | 1,900 | 12.3 | 2,000 | -7.2 | 1,700 | 15.2 | 6,680 | 42,800 |
| Nevada | 500 | 1.2 | 600 | -7.6 | 700 | 17.0 | 600 | -13.3 | 2,370 | 21,200 |
| New Hampshire 5/ | 90 | -39.3 | 500 | -1.6 | 800 | -4.6 | 600 | -8.6 | 1,990 | 8,570 |
| New Jersey | 2,200 | -34.2 | 5,700 | -7.2 | 6,500 | 4.8 | 6,800 | 28.2 | 21,200 | 134,000 |
| New Mexico | 600 | -7.9 | 1,200 | 45.3 | 900 | -29.5 | 700 | -28.5 | 3,350 | 17,200 |
| New York | 3,400 | -11.9 | 11,300 | 2.4 | 17,000 | 14.6 | 11,900 | 21.9 | 43,600 | 227,000 |
| North Carolina | 9,900 | -7.6 | 16,700 | 8.9 | 16,300 | -4.2 | 15,600 | 10.0 | 58,600 | 395,000 |
| North Dakota 4/ | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Ohio | 7,000 | -18.4 | 18,000 | 1.5 | 22,300 | 13.2 | 16,200 | 9.5 | 63,600 | 280,000 |
| Oklahoma 5/ | 6,700 | 3.3 | 7,600 | -6.0 | 8,000 | -9.3 | 7,200 | -6.6 | 29,500 | 119,000 |
| Oregon | 4,500 | -0.8 | 6,400 | 12.3 | 5,900 | 1.1 | 5,200 | 10.5 | 21,900 | 102,000 |
| Pennsylvania | 12,100 | -5.1 | 24,700 | -1.3 | 26,800 | 7.0 | 23,800 | 31.7 | 87,400 | 538,000 |
| Rhode Island 6/ | -- | -- | -- | -- | -- | -- | -- | -- | 1,100 | 8,090 |
| South Carolina | 4,800 | 3.1 | 6,600 | 9.8 | 6,500 | 11.9 | 5,800 | 6.1 | 23,800 | 143,000 |
| South Dakota 5/ | 500 | -8.0 | 1,300 | -15.5 | 2,600 | 31.8 | 1,300 | -9.2 | 5,630 | 27,000 |

See footnotes at end of table.

TABLE 6 --Continued
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1996,
BY QUARTER AND STATE 1/

| State | Quantity 1st quarter (thousand metric tons) | Percentage change $2 /$ | Quantity 2d quarter (thousand metric tons) | Percentage change 2/ | Quantity 3d quarter (thousand metric tons) | Percentage change 2/ | Quantity 4th quarter (thousand metric tons) | Percentage change $2 /$ | Total 3/ <br> (thousand metric tons) | Value <br> total 3/ <br> (thousands) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Tennessee | 8,100 | -9.7 | 15,700 | 7.8 | 16,800 | 4.4 | 14,600 | 11.7 | 55,100 | \$245,000 |
| Texas | 20,900 | 14.3 | 20,600 | -0.8 | 23,700 | 7.8 | 21,200 | 5.8 | 86,400 | 333,000 |
| Utah | 900 | 12.1 | 800 | -23.6 | 1,100 | -6.1 | 1,100 | 8.0 | 4,000 | 14,400 |
| Vermont 5/ | -- | -- | -- | -- | -- | -- | -- | -- | 4,560 | 21,400 |
| Virginia | 8,900 | -8.4 | 16,700 | 5.1 | 17,900 | 7.9 | 16,300 | 23.0 | 59,700 | 352,000 |
| Washington 6/ | 3,400 | -13.1 | 3,700 | -18.4 | 4,700 | 18.5 | 5,400 | 61.5 | 17,200 | 84,500 |
| West Virginia 6/ | 2,100 | 14.0 | 4,000 | 18.2 | 4,200 | 5.4 | 3,500 | 42.3 | 14,000 | 89,300 |
| Wisconsin | 2,400 | -22.0 | 6,500 | -7.9 | 10,000 | 6.3 | 6,900 | 7.5 | 25,800 | 108,000 |
| Wyoming | 700 | 45.3 | 1,600 | -5.5 | 1,700 | 15.0 | 1,100 | 3.5 | 5,050 | 29,800 |
| Other | -- | -- | -- | -- | -- | -- | -- | -- | 7,000 | 73,500 |
| Total 3/ | XX | XX | XX | XX | XX | XX | XX | XX | 1,330,000 | 7,110,000 |

XX Not applicable.
1/ As published in the "Crushed Stone and Sand and Gravel in the Fourth Quarter of 1996 Mineral Industry Surveys."
2/ All percentage changes are calculated by using unrounded totals. Percentage changes are based on the corresponding quarter of the previous year.
3/ Data may not add to totals shown because of independent rounding and differences between projected totals by States and by regions.
4/ State not included in quarterly survey.
5/ Owing to low number of companies, no production estimates by quarter were generated.
6/ To avoid disclosing proprietary data, certain State totals do not include all kinds of stone produced within the State; the portion not shown has been included with "Other."

TABLE 7
CRUSHED STONE SOLD OR USED IN THE UNITED STATES IN 1996,
BY REGION AND SIZE OF OPERATION 1/

| Size range (metric tons) | Northeast |  |  |  | Midwest |  |  |  | South |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number of operations | Percentage of total | Quantity (thousand metric tons) | Percentage of total | Number of operations | Percentage of total | Quantity (thousand metric tons) | Percentage of total | Number of operations | Percentage of total | Quantity (thousand metric tons) | Percentag of total |
| Less than 25,000 | 41 | 9.0 | 277 | (2/) | 174 | 15.0 | 1,720 | (2/) | 57 | 5.0 | 533 | (2/) |
| 25,000 to 49,999 | 24 | 5.0 | 742 | (2/) | 106 | 9.0 | 3,610 | (2/) | 40 | 4.0 | 1,380 | (2/) |
| 50,000 to 99,999 | 34 | 7.0 | 2,410 | 1.0 | 154 | 14.0 | 10,300 | 2.0 | 82 | 8.0 | 5,750 | (2/) |
| 100,000 to 199,999 | 53 | 12.0 | 7,140 | 3.0 | 160 | 14.0 | 21,300 | 5.0 | 132 | 13.0 | 18,100 | 2.0 |
| 200,000 to 299,999 | 60 | 13.0 | 13,600 | 7.0 | 114 | 10.0 | 26,000 | 6.0 | 83 | 8.0 | 18,900 | 3.0 |
| 300,000 to 399,999 | 49 | 11.0 | 15,700 | 8.0 | 64 | 5.0 | 20,100 | 5.0 | 71 | 7.0 | 22,600 | 3.0 |
| 400,000 to 499,999 | 36 | 8.0 | 14,800 | 8.0 | 60 | 5.0 | 23,900 | 6.0 | 81 | 8.0 | 33,000 | 5.0 |
| 500,000 to 599,999 | 27 | 6.0 | 13,100 | 7.0 | 51 | 4.0 | 25,300 | 6.0 | 78 | 7.0 | 38,900 | 6.0 |
| 600,000 to 699,999 | 19 | 4.0 | 11,200 | 6.0 | 36 | 3.0 | 21,300 | 5.0 | 46 | 4.0 | 27,200 | 4.0 |
| 700,000 to 799,999 | 25 | 5.0 | 17,100 | 9.0 | 31 | 2.0 | 21,100 | 5.0 | 46 | 4.0 | 31,800 | 5.0 |
| 800,000 to 899,999 | 14 | 3.0 | 10,800 | 6.0 | 24 | 2.0 | 18,600 | 4.0 | 37 | 3.0 | 28,400 | 4.0 |
| 900,000 to 999,999 | 6 | 1.0 | 5,170 | 2.0 | 20 | 1.0 | 17,500 | 4.0 | 35 | 3.0 | 30,300 | 4.0 |
| 1,000,000 to 1,499,999 | 34 | 7.0 | 38,100 | 21.0 | 58 | 5.0 | 63,500 | 16.0 | 106 | 10.0 | 119,000 | 19.0 |

TABLE 7--Continued
CRUSHED STONE SOLD OR USED IN THE UNITED STATES IN 1996,
BY REGION AND SIZE OF OPERATION 1/

| Size range (metric tons) | Northeast |  |  |  | Midwest |  |  |  | South |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number of operations | Percentage of total | Quantity (thousand metric tons) | Percentage of total | Number of operations | Percentage of total | Quantity (thousand metric tons) | Percentage of total | Number of operations | Percentage of total | Quantity (thousand metric tons) | Percentag of total |
| 1,500,000 to 1,999,999 | 11 | 2.0 | 17,500 | 9.0 | 22 | 2.0 | 34,700 | 8.0 | 48 | 4.0 | 72,700 | 11.0 |
| 2,000,000 to 2,499,999 | 1 | (2/) | 1,920 | 1.0 | 10 | (2/) | 18,800 | 4.0 | 24 | 2.0 | 47,300 | 7.0 |
| 2,500,000 to 4,999,999 | 4 | (2/) | 11,700 | 6.0 | 13 | 1.0 | 38,900 | 9.0 | 23 | 2.0 | 66,200 | 10.0 |
| 5,000,000 and over | -- | -- | -- | -- | 5 | (2/) | 30,100 | 7.0 | 7 | (2/) | 57,600 | 9.0 |
| Total | 438 | 100.0 | 181,000 | 100.0 | 1102 | 100.0 | 397,000 | 100.0 | 996 | 100.0 | 620,000 | 100.0 |
|  | West |  |  |  | U.S. total |  |  |  |  |  |  |  |
| Size range (metric tons) | Number of operations | Percentage of total | Quantity (thousand metric tons) | Percentage of total | Number of operations | Percentage of total | Quantity (thousand metric tons) | Percentage of total |  |  |  |  |
| Less than 25,000 | 159 | 27.0 | 1,450 | 1.0 | 431 | 13.0 | 3,980 | (2/) |  |  |  |  |
| 25,000 to 49,999 | 69 | 11.0 | 2,260 | 1.0 | 239 | 7.0 | 7,980 | (2/) |  |  |  |  |
| 50,000 to 99,999 | 92 | 15.0 | 6,180 | 4.0 | 362 | 11.0 | 24,700 | 1.0 |  |  |  |  |
| 100,000 to 199,999 | 83 | 14.0 | 10,500 | 8.0 | 428 | 13.0 | 57,000 | 4.0 |  |  |  |  |
| 200,000 to 299,999 | 57 | 9.0 | 13,100 | 9.0 | 314 | 10.0 | 71,600 | 5.0 |  |  |  |  |
| 300,000 to 399,999 | 26 | 4.0 | 8,180 | 6.0 | 210 | 6.0 | 66,600 | 5.0 |  |  |  |  |
| 400,000 to 499,999 | 16 | 2.0 | 6,510 | 4.0 | 193 | 6.0 | 78,100 | 5.0 |  |  |  |  |
| 500,000 to 599,999 | 16 | 2.0 | 8,010 | 6.0 | 172 | 5.0 | 85,300 | 6.0 |  |  |  |  |
| 600,000 to 699,999 | 13 | 2.0 | 7,730 | 5.0 | 114 | 3.0 | 67,500 | 5.0 |  |  |  |  |
| 700,000 to 799,999 | 7 | 1.0 | 4,700 | 3.0 | 109 | 3.0 | 74,700 | 5.0 |  |  |  |  |
| 800,000 to 899,999 | 3 | (2/) | 2,330 | 1.0 | 78 | 2.0 | 60,100 | 4.0 |  |  |  |  |
| 900,000 to 999,999 | 9 | 1 | 7,950 | 6.0 | 70 | 2.0 | 61,000 | 4.0 |  |  |  |  |
| 1,000,000 to 1,499,999 | 14 | 2.0 | 14,900 | 11.0 | 212 | 6.0 | 235,000 | 17.0 |  |  |  |  |
| 1,500,000 to 1,999,999 | 7 | 1.0 | 10,800 | 8.0 | 88 | 2.0 | 136,000 | 10.0 |  |  |  |  |
| 2,000,000 to 2,499,999 | 4 | (2/) | 8,320 | 6.0 | 39 | 1.0 | 76,300 | 5.0 |  |  |  |  |
| 2,500,000 to 4,999,999 | 6 | 1 | 19,600 | 14.0 | 46 | 1.0 | 137,000 | 10.0 |  |  |  |  |
| 5,000,000 and over | -- | -- | -- | -- | 12 | (2/) | 87,700 | 6.0 |  |  |  |  |
| Total | 581 | 100.0 | 133,000 | 100.0 | 3117 | 100.0 | 1,330,000 | 100.0 |  |  |  |  |

2/ Less than $1 / 2$ unit.

TABLE 8
CRUSHED LIMESTONE AND DOLOMITE SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1996, BY STATE 1/
(Thousand metric tons and thousand dollars)

| State | Limestone |  | Dolomite |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value |
| Alabama | 34,800 2/ | 176,000 2/ | W | W |
| Alaska 3/ | W 2/ | W 2/ | -- | -- |
| Arizona | 4,110 | 23,000 | -- | -- |
| Arkansas | 7,260 | 36,700 | W | W |
| California | 24,900 | 145,000 | 384 | 2,670 |
| Colorado | 2,840 | 15,200 | -- | -- |
| Connecticut | W | W | W | W |
| Florida | 71,000 2/ | 379,000 2/ | W | W |
| Georgia | 10,100 2/ | 65,600 2/ | -- | -- |
| Hawaii | 1,030 | 10,500 | -- | -- |
| Idaho | 1,370 | 7,920 | -- | -- |
| Illinois | 57,700 2/ | 319,000 2/ | 8,800 | 45,000 |
| Indiana | 46,500 2/ | 217,000 2/ | 7,170 | 37,400 |
| Iowa | 34,400 2/ | 202,000 2/ | 42 | 169 |
| Kansas | 21,400 2/ | 108,000 2/ | -- | -- |
| Kentucky | 58,500 | 243,000 | -- | -- |
| Maine | 1,410 | 7,410 | -- | -- |
| Maryland | 17,400 | 111,000 | -- | -- |
| Massachusetts | 2,140 2/ | 23,500 2/ | -- | -- |
| Michigan | 30,300 | 115,000 | 8,330 | 29,100 |
| Minnesota | 8,210 | 38,800 | 802 | 3,480 |
| Mississippi | W | W | -- | -- |
| Missouri | 63,300 2/ | 305,000 2/ | 2,590 | 13,000 |
| Montana | 1,540 | 6,240 | -- | -- |
| Nebraska | 6,370 | 39,800 | -- | -- |
| Nevada | 2,170 | 15,600 | W | W |
| New Hampshire | W | W | -- | -- |
| New Jersey | W | W | -- | -- |
| New Mexico | 1,350 | 6,090 | -- | -- |
| New York | 27,600 2/ | 136,000 2/ | 7,880 | 50,900 |
| North Carolina | 6,250 | 43,200 | 251 | 1,720 |
| Ohio | 48,200 2/ | 226,000 2/ | 15,400 | 63,900 |
| Oklahoma | 21,000 | 82,800 | 2,990 | 12,600 |
| Oregon | W | W | -- | -- |
| Pennsylvania | 55,200 2/ | 318,000 2/ | 10,800 | 66,900 |
| Rhode Island | W | W | -- | -- |
| South Carolina | 3,740 | 18,300 | -- | -- |
| South Dakota | 2,850 | 11,500 | -- | -- |
| Tennessee | 49,500 | 275,000 | W | W |
| Texas | 82,500 | 323,000 | W | W |
| Utah | 1,480 2/ | 8,500 2/ | W | W |
| Vermont | 2,260 | 8,440 | W | W |
| Virginia | 16,500 2/ | 94,600 2/ | 4,480 | 30,900 |
| Washington | 2,140 2/ | 21,900 2/ | W | W |
| West Virginia | 11,900 | 72,400 | W | W |
| Wisconsin | 20,800 2/ | 92,600 2/ | 263 | 1,400 |
| Wyoming | 1,620 2/ | 5,330 2/ | -- | -- |
| Other | 5,160 2/ | 31,100 2/ | 15,800 | 88,400 |
| Total | 869,000 | 4,390,000 | 86,000 | 447,000 |

W Withheld to avoid disclosing company proprietary data; included with "Other."
1/ Data are rounded to three significant digits; may not add to totals shown.
2/ Includes limestone-dolomite reported with no distinction between the two kinds of stone.
3/ Data derived in part from the Alaska Division of Geological and Geophysical Surveys information

TABLE 9
CRUSHED CALCAREOUS MARL AND MARBLE SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1996, BY STATE 1/
(Thousand metric tons and thousand dollars)

| State | Calcareous marl |  | Marble |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value |
| Michigan | 7 | 20 | -- | -- |
| New York | -- | -- | 80 | 1,380 |
| Pennsylvania | -- | -- | 464 | 2,860 |
| Vermont | -- | -- | 1,030 | 4,610 |
| Wyoming | -- | -- | 91 | 3,230 |
| Other | 3,630 2/ | 11,400 2 | 4,420 3/ | 30,600 3/ |
| Total | 3,640 | 11,400 | 6,090 | 42,600 |

1/ Data are rounded to three significant digits; may not add to totals shown.
2/ Includes data for Florida, Mississippi, North Carolina, South Carolina, and Texas.
3/ Includes data for Alabama, Arizona, California, Georgia, Maryland, South
Carolina, and Texas.

TABLE 10
CRUSHED GRANITE, TRAPROCK, AND SANDSTONE AND QUARTZITE SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1996, BY STATE 1/
(Thousand metric tons and thousand dollars)

| State | Granite |  | Traprock |  | Sandstone and quartzite |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value | Quantity | Value |
| Alabama | W | W | -- | -- | -- | -- |
| Alaska 2/ | W | W | 888 | 3,300 | -- | -- |
| Arizona | 1,540 | 8,580 | -- | -- | W | W |
| Arkansas | 9,720 | 75,100 | -- | -- | 8,030 | 39,800 |
| California | 5,490 | 33,600 | 7,940 | 58,700 | 854 | 5,590 |
| Colorado | 5,590 | 39,500 | 204 | W | W | W |
| Connecticut | 144 | 1,110 | 4,580 | W | W | W |
| Georgia | 53,300 | 336,000 | -- | -- | -- | -- |
| Hawaii | W | W | 4,220 | 55,100 | W | W |
| Idaho | 549 | 3,060 | 1,680 | 6,150 | W | W |
| Kansas | W | W | -- | -- | W | W |
| Kentucky | -- | -- | -- | -- | W | W |
| Louisiana | -- | -- | -- | -- | W | W |
| Maine | W | W | W | W | W | W |
| Maryland | 4,880 | 29,500 | W | W | 196 | 1,110 |
| Massachusetts | 3,200 | 24,600 | 6,450 | 43,500 | -- | -- |
| Michigan | W | W | -- | -- | 7 | 120 |
| Minnesota | W | W | W | W | 944 | W |
| Missouri | W | W | W | W | W | W |
| Montana | -- | -- | W | W | W | W |
| Nevada | W | W | W | W | -- | -- |
| New Hampshire | 779 | 3,890 | 649 | W | -- | -- |
| New Jersey | 9,330 | 75,500 | 9,690 | 56,100 | W | W |
| New Mexico | 1,490 | W | W | 224 | W | W |
| New York | 3,560 | 19,200 | W | W | 1,740 | 8,830 |
| North Carolina | 42,400 | 289,000 | 4,500 | 31,300 | W | W |
| Ohio | -- | -- | -- | -- | 42 | W |
| Oklahoma | W | W | W | W | W | W |
| Oregon | 70 | 306 | 19,700 | 91,000 | 389 | 1,770 |
| Pennsylvania | 4,030 | 25,800 | 2,810 | 22,400 | 6,020 | 35,500 |
| Rhode Island | 948 | 6,680 | W | W | -- | -- |
| South Carolina | 17,700 | 119,000 | -- | -- | -- | -- |
| South Dakota | 1 | 7 | -- | -- | 2,790 | 17,200 |
| Tennessee | W | W | -- | -- | W | W |
| Texas | W | W | W | W | 746 | W |
| Utah | W | W | -- | -- | 113 | W |
| Vermont | W | W | -- | -- | 1,120 | 8,600 |
| Virginia | 24,000 | 138,000 | 12,500 | 71,900 | W | W |
| Washington | 257 | 1,310 | 11,000 | 49,000 | W | 3,290 |
| West Virginia | -- | -- | -- | -- | 851 | 5,970 |
| Wisconsin | 1,350 | 2,690 | W | W | W | W |
| Wyoming | W | W | W | W | W | W |
| Other | 11,700 | 80,300 | 7,710 | 83,900 | 13,600 | 92,900 |
| Total | 202,000 | 1,310,000 | 94,600 | 573,000 | 37,400 | 221,000 |

W Withheld to avoid disclosing company proprietary data; included with "Other."
1/ Data are rounded to three significant digits; may not add to totals shown.
2/ Data derived, in part, from the Alaska Division of Geological and Geophysical Surveys information.

TABLE 11
CRUSHED VOLCANIC CINDER AND SCORIA AND CRUSHED MISCELLANEOUS STONE 1/ SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1996, BY STATE 2/
(Thousand metric tons and thousand dollars)

| State | Volcanic cinder and scoria |  | Miscellaneous stone |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value |
| Alabama | -- | -- | W | W |
| Alaska 3/ | -- | -- | 1,720 | 13,200 |
| Arizona | 238 | W | W | W |
| Arkansas | -- | -- | 35 | W |
| California | 420 | 3,450 | 6,490 | 43,900 |
| Colorado | W | W | W | W |
| Connecticut | -- | -- | W | W |
| Florida | -- | -- | 1,800 | 7,840 |
| Hawaii | W | W | W | W |
| Idaho | -- | -- | W | W |
| Indiana | -- | -- | W | W |
| Louisiana | -- | -- | W | W |
| Maine | -- | -- | W | W |
| Massachusetts | -- | -- | W | W |
| Michigan | -- | -- | W | W |
| Mississippi | -- | -- | W | W |
| Montana | 3 | 9 | -- | -- |
| Nevada | W | W | W | W |
| New Jersey | -- | -- | W | W |
| New Mexico | 283 | 2,170 | W | 1,350 |
| New York | -- | -- | 1,560 | 7,000 |
| North Carolina | W | W | W | W |
| Oklahoma | -- | -- | W | W |
| Oregon | 35 | 221 | 838 | 3,740 |
| Pennsylvania | -- | -- | 8,040 | 45,700 |
| South Carolina | -- | -- | W | W |
| Tennessee | -- | -- | W | W |
| Texas | W | W | 1,810 | 4,230 |
| Utah | W | W | -- | -- |
| Vermont | -- | -- | W | W |
| Virginia | -- | -- | 995 | 8,940 |
| Washington | W | W | 919 | 4,150 |
| Wyoming | W | W | -- | -- |
| Other | 1,070 | 7,570 | 8,820 | 47,500 |
| Total | 2,050 | 13,400 | 33,000 | 188,000 |

W Withheld to avoid disclosing company proprietary data; included with "Other."
1/ Includes marl, shell, slate, and other stone.
2/ Data are rounded to three significant digits; may not add to totals shown.
3/ Data derived, in part, from the Alaska Division of Geological and Geophysical Surveys information.

TABLE 12
KIND OF CRUSHED STONE PRODUCED IN THE UNITED STATES IN 1996, BY STATE

| State | Limestone | Dolomite | Marble | Marl | Shell | Granite | Traprock | Sandstone | Quartzite | Slate | Volcanic cinder and scoria | Miscellaneous |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Alabama | X | X | X |  |  | X |  |  |  | X |  |  |
| Alaska 1/ | X |  |  |  |  | X | X |  |  | X |  | X |
| Arizona | X |  | X |  |  | X |  | X | X |  | X | X |
| Arkansas | X | X |  |  |  | X |  | X | X |  |  | X |
| California | X | X | X |  | X | X | X | X | X | X | X | X |
| Colorado | X |  |  |  |  | X | X | X | X |  | X | X |
| Connecticut | X | X |  |  |  | X | X |  | X |  |  | X |
| Florida | X | X |  | X | X |  |  |  |  |  |  |  |
| Georgia | X |  | X |  |  | X |  |  |  |  |  |  |
| Hawaii | X |  |  |  |  | X | X | X |  |  | X | X |
| Idaho | X |  |  |  |  | X | X |  | X |  |  | X |
| Illinois | X | X |  |  |  |  |  |  |  |  |  |  |
| Indiana | X | X |  |  |  |  |  |  |  | X |  |  |
| Iowa | X | X |  |  |  |  |  |  |  |  |  |  |
| Kansas | X |  |  |  |  | X |  | X | X |  |  |  |
| Kentucky | X |  |  |  |  |  |  | X |  |  |  |  |
| Louisiana |  |  |  |  |  |  |  | X |  |  |  | X |
| Maine | X |  |  |  |  | X | X |  | X | X |  | X |
| Maryland | X |  | X |  |  | X | X | X |  |  |  |  |
| Massachusetts | X |  |  |  |  | X | X |  |  |  |  | X |
| Michigan | X | X |  | X |  | X |  | X |  |  |  | X |
| Minnesota | X | X |  |  |  | X | X | X | X |  |  |  |
| Mississippi | X |  |  | X |  |  |  |  |  |  |  |  |
| Missouri | X | X |  |  |  | X | X | X | X |  |  |  |
| Montana | X |  |  |  |  |  | X | X | X |  | X |  |
| Nebraska | X |  |  |  |  |  |  |  |  |  |  |  |
| Nevada | X | X |  |  |  | X | X |  |  |  | X | X |
| New Hampshire | X |  |  |  |  | X | X |  |  |  |  |  |
| New Jersey | X |  |  |  |  | X | X | X |  |  |  | X |
| New Mexico | X |  |  |  |  | X | X |  | X |  | X | X |
| New York | X | X | X |  |  | X | X | X |  | X |  | X |
| North Carolina | X | X |  | X |  | X | X |  | X | X | X | X |
| Ohio | X | X |  |  |  |  |  | X |  |  |  |  |
| Oklahoma | X | X |  |  | X | X | X | X |  | X |  | X |
| Oregon | X |  |  |  | X | X | X | X | X | X | X | X |
| Pennsylvania | X | X | X |  |  | X | X | X | X |  |  | X |
| Rhode Island | X |  |  |  |  | X | X |  |  |  |  |  |
| South Carolina | X |  | X | X |  | X |  |  |  |  |  |  |
| South Dakota | X |  |  |  |  | X |  |  | X |  |  |  |
| Tennessee | X | X |  |  |  | X |  | X |  |  |  | X |
| Texas | X | X | X | X |  | X | X | X |  |  | X | X |
| Utah | X | X |  |  |  | X |  | X | X |  | X |  |
| Vermont | X | X | X |  |  | X |  |  | X | X |  |  |
| Virginia | X | X |  |  |  | X | X | X | X | X |  | X |
| Washington | X | X |  |  |  | X | X | X |  | X | X | X |
| West Virginia | X | X |  |  |  |  |  | X |  |  |  |  |
| Wisconsin | X | X |  |  |  | X | X | X | X |  |  |  |
| Wyoming | X |  | X |  |  | X | X |  | X |  | X |  |

1/ Data derived, in part, from the Alaska Division of Geological and Geophysical Surveys.

TABLE 13
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1996, BY USE $1 /$

| Use |  | $\begin{array}{c}\text { Quantity } \\ \text { (thousand }\end{array}$ | $\begin{array}{c}\text { Value } \\ \text { (thousands) }\end{array}$ | $\begin{array}{c}\text { Unit } \\ \text { value }\end{array}$ |  |
| :--- | :--- | ---: | ---: | ---: | ---: |
|  |  |  |  |  |  |
| metric tons) |  |  |  |  |  |$)$

1/ Data are rounded to three significant digits; may not add to totals shown.
2/ Includes building products, drain fields, pipe bedding and waste material.
3/ Includes flour (slate), paper manufacture, and sugar refining.
4/ Includes production reported without a breakdown by end use and estimates for nonrespondents.

TABLE 14
CRUSHED LIMESTONE 1/ AND DOLOMITE SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1996, BY USE $2 /$
(Thousand metric tons and thousand dollars)

|  |  | tone |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Use | Quantity | Value | Quantity | Value |
| Coarse aggregate (+1 1/2 inch): |  |  |  |  |
| Macadam | 3,190 | 18,300 | 346 | 2,120 |
| Riprap and jetty stone | 10,700 | 57,500 | 999 | 6,020 |
| Filter stone | 4,330 | 22,500 | 174 | 1,040 |
| Other coarse aggregate | 3,930 | 21,600 | 398 | 2,470 |
| Coarse aggregate, graded: |  |  |  |  |
| Concrete aggregate, coarse | 67,000 | 363,000 | 8,970 | 46,900 |
| Bituminous aggregate, coarse | 59,000 | 325,000 | 7,760 | 41,700 |
| Bituminous aggregate, fine | 12,800 | 70,900 | 2,050 | 12,300 |
| Railroad ballast | 2,830 | 15,200 | 1,340 | 6,060 |
| Other graded coarse aggregate | 15,200 | 90,500 | 3,060 | 18,800 |
| Fine aggregate ( $-3 / 8$ inch): |  |  |  |  |
| Stone sand, concrete | 13,500 | 80,100 | 832 | 5,790 |
| Stone sand, bituminous mix or seal | 13,700 | 71,200 | 2,930 | 16,500 |
| Screening, undesignated | 13,600 | 61,400 | 1,580 | 9,780 |
| Other fine aggregate | 4,110 | 23,600 | 313 | 1,500 |
| Coarse and fine aggregates: |  |  |  |  |
| Graded road base or subbase | 117,000 | 493,000 | 13,400 | 59,500 |
| Unpaved road surfacing | 20,700 | 100,000 | 5,810 | 27,400 |
| Terrazzo and exposed aggregate | 1,370 | 7,490 | 40 | 313 |
| Crusher run or fill or waste | 24,700 | 110,000 | 2,810 | 11,700 |
| Other coarse and fine aggregates | 14,700 | 67,000 | 773 | 4,330 |
| Roofing granules | 223 | 1,360 | (3/) | (3/) |
| Other construction materials | 5,020 4/ | 26,400 4/ | 416 5/ | 2,420 5/ |
| Agricultural: |  |  |  |  |
| Agricultural limestone | 10,600 | 57,100 | 1,750 | 12,500 |
| Poultry grit and mineral food | 1,120 | 11,800 | W | W |
| Other agricultural uses | 567 | 3,430 | 201 | 2,220 |
| Chemical and metallurgical: |  |  |  |  |
| Cement manufacture | 80,800 | 301,000 | W | W |
| Lime manufacture | 12,200 | 59,500 | 1,310 | 7,180 |
| Dead-burned dolomite manufacture | 502 | 3,650 | W | W |
| Flux stone | 4,590 | 26,900 | 1,330 | 4,380 |
| Chemical stone | 765 | 4,070 | -- | -- |
| Glass manufacture | W | W | W | W |
| Sulfur oxide removal | 2,730 | 13,800 | 12 | 39 |
| Special: |  |  |  |  |
| Mine dusting or acid water treatment | 387 | 7,120 | W | W |
| Asphalt fillers or extenders | 1,000 | 7,850 | W | W |
| Whiting or whiting substitute | 784 | 21,500 | W | W |
| Other fillers or extenders | 2,640 | 74,100 | 363 | 6,190 |
| Other specified uses not listed | 8786 | 15,200 6/ | 1,240 | 10,200 |
| Unspecified: 7/ |  |  |  |  |
| Actual | 214,000 | 1,120,000 | 20,600 | 104,000 |
| Estimated | 128,000 | 637,000 | 5,170 | 24,100 |
| Total | 869,000 | 4,390,000 | 86,000 | 447,000 |

W Withheld to avoid disclosing company proprietary data; included with "Other specified uses not listed."
1/ Includes a minor amount of limestone-dolomite reported without a distinction between the two.
2/ Data are rounded to three significant digits; may not add to totals shown.
3/ Included with "Other construction materials."
4/ Includes building products, drain fields, pipe bedding, and waste material.
5/ Includes drain fields and waste material.
6/ Includes paper manufacture and sugar refining.
7/ Includes production reported without a breakdown by end use and estimates for nonrespondents.

## CRUSHED LIMESTONE 1/ AND DOLOMITE SOLD OR USED BY PRODUCERS

IN 1996, BY STATE AND USE $2 /$
(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 | 3,470 | 16,400 | 6,510 | 32,100 | 3,570 | 16,500 | 452 | 2,220 | 3,750 | 18,500 |
| Alaska | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Arizona | -- | -- | -- | -- | W | W | -- | -- | W | W |
| Arkansas | 618 | 3,240 | 379 | 2,040 | 1,970 | 9,880 | 131 | 791 | 777 | 3,790 |
| California | 2,010 | 12,000 | 1,530 | 10,900 | 1,170 | 5,680 | 305 | 2,540 | 378 | 1,090 |
| Colorado | W | W | -- | -- | -- | -- | -- | -- | -- | -- |
| Connecticut | W | W | W | W | W | W | -- | -- | W | W |
| Florida | 19,600 | 136,000 | 9,710 | 62,500 | 16,000 | 63,000 | 256 | 1,380 | 9,470 | 33,700 |
| Georgia | 1,120 | 7,170 | 1,790 | 12,300 | 700 | 4,100 | 92 | 734 | 1,020 | 6,200 |
| Hawaii | W | W | -- | -- | W | W | -- | -- | 11 | 206 |
| Idaho | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Illinois | 7,340 | 39,800 | 7,160 | 43,100 | 13,800 | 63,000 | 1,120 | 7,200 | 2,890 | 14,000 |
| Indiana | 5,640 | 21,600 | 7,450 | 25,700 | 8,290 | 39,500 | 1,560 | 7,060 | 2,110 | 9,410 |
| Iowa | 1,150 | 6,360 | 663 | 3,880 | 5,390 | 26,500 | 201 | 1,440 | 498 | 1,960 |
| Kansas | 1,000 | 6,730 | 1,030 | 6,470 | 2,400 | 11,400 | 113 | 813 | 2,450 | 12,300 |
| Kentucky | 3,850 | 18,600 | 8,190 | 40,300 | 7,220 | 32,100 | 768 | 3,960 | 2,780 | 13,900 |
| Maine | 145 | W | W | W | -- | -- | W | W | W | W |
| Maryland | 365 | 2,320 | 548 | 3,300 | W | W | 175 | 1,140 | 2,190 | 8,640 |
| Massachusetts | -- | -- | W | W | W | W | W | W | 246 | 3,170 |
| Michigan | 1,910 | 6,100 | 1,500 | 6,940 | 2,810 | 11,500 | 195 | 1,520 | 563 | 2,040 |
| Minnesota | 585 | 3,880 | W | W | 2,680 | 11,700 | 192 | 1,310 | 634 | 3,750 |
| Mississippi | -- | -- | W | W | -- | -- | -- | -- | W | W |
| Missouri | 3,560 | 20,300 | 6,220 | 44,400 | 11,800 | 49,600 | 2,950 | 10,300 | 2,170 | 8,820 |
| Montana | W | W | -- | -- | W | W | -- | W | W | W |
| Nebraska | 842 | 6,130 | 416 | 2,190 | 424 | 3,270 | 135 | 1,280 | 528 | 3,670 |
| Nevada | W | W | 112 | W | W | W | -- | W | W | W |
| New Hampshire | W | W | -- | -- | -- | -- | W | W | -- | -- |
| New Jersey | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Mexico | W | W | 23 | 66 | 111 | 474 | W | W | 35 | 155 |
| New York | 2,620 | 18,300 | 6,640 | 46,000 | 4,890 | 31,000 | 414 | 2,770 | 4,400 | 22,800 |
| North Carolina | 103 | 691 | W | W | 188 | 1,060 | 33 | 254 | 244 | 1,500 |
| Ohio | 5,710 | 23,400 | 4,580 | 20,000 | 16,900 | 69,500 | 1,110 | 4,680 | 2,180 | 11,300 |
| Oklahoma | 2,390 | 11,800 | 457 | 2,640 | 1,650 | 5,720 | 89 | 538 | 2,420 | 8,470 |
| Oregon | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pennsylvania | 4,780 | 28,100 | 14,000 | 83,600 | 11,600 | 61,800 | 1,270 | 8,860 | 7,410 | 39,100 |
| Rhode Island | -- | -- | -- | -- | -- | -- | -- | -- | -- | W |
| South Carolina | -- | -- | -- | -- | W | W | -- | -- | -- | -- |
| South Dakota | W | W | W | W | W | W | W | W | W | W |
| Tennessee | 2,630 | 16,400 | 12,700 | 72,900 | 12,300 | 63,500 | 1,580 | 8,190 | 6,520 | 34,800 |
| Texas | 15,300 | 67,300 | 14,000 | 69,500 | 21,700 | 66,400 | 819 | 4,460 | 6,890 | 26,900 |
| Utah | -- | -- | W | W | 796 | 2,380 | W | W | W | W |
| Vermont | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Virginia | 2,530 | 15,900 | 3,100 | 18,900 | 3,690 | 18,100 | 635 | 4,330 | 2,920 | 14,600 |
| Washington | -- | -- | -- | -- | -- | -- | W | W | W | W |
| West Virginia | 667 | 3,970 | 1,240 | 6,930 | 599 | 3,330 | 456 | 2,380 | 1,340 | 6,760 |
| Wisconsin | 1,400 | 7,260 | 670 | 3,420 | 8,120 | 34,200 | 135 | 777 | 1,250 | 4,730 |
| Wyoming | W | W | W | W | W | W | W | W | W | W |
| Total | 91,300 | 500,000 | 111,000 | 620,000 | 161,000 | 705,000 | 15,200 | 80,900 | 68,100 | 316,000 |
| Total withheld | 1,220 | 10,200 | 2,930 | 14,000 | 3,330 | 13,300 | 223 | 1,350 | 1,590 | 11,100 |
| Grand total | 92,500 | 510,000 | 114,000 | 634,000 | 164,000 | 718,000 | 15,400 | 82,300 | 69,700 | 327,000 |

See footnotes at end of table
(Thousand metric tons and thousand dollars)

| State | Cement manufacture |  | Agricultural uses |  | Lime manufacture |  | Other uses |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value | Quantity | Value | Quantity | Value | Quantity | Value |
| Alabama | W | W | 190 | 1,330 | 320 | W | 16,500 | 89,000 | 34,800 | 176,000 |
| Alaska | -- | -- | -- | -- | -- | -- | W | W | W | W |
| Arizona | W | W | W | W | W | W | 4,110 | 23,000 | 4,110 | 23,000 |
| Arkansas | W | W | 166 | 965 | W | W | 3,220 | 16,000 | 7,260 | 36,700 |
| California | 11,400 | 42,100 | 118 | 1,810 | -- | -- | 8,440 | 71,600 | 25,300 | 148,000 |
| Colorado | 1,160 | 5,320 | -- | -- | -- | -- | 1,680 | 9,880 | 2,840 | 15,200 |
| Connecticut | -- | -- | W | W | -- | -- | W | W | W | W |
| Florida | 3,220 | 9,160 | 463 | 2,220 | -- | -- | 12,300 | 71,300 | 71,000 | 379,000 |
| Georgia | W | W | 13 | 92 | -- | -- | 5,390 | 34,900 | 10,100 | 65,600 |
| Hawaii | 162 | 1,440 | W | W | -- | -- | 855 | 8,860 | 1,030 | 10,500 |
| Idaho | W | W | 632 | 1,830 | W | W | 732 | 6,100 | 1,370 | 7,920 |
| Illinois | 2,360 | 9,080 | 2,580 | 12,600 | -- | -- | 29,300 | 175,000 | 66,500 | 364,000 |
| Indiana | 3,530 | 9,270 | 1,510 | 7,840 | W | W | 23,600 | 134,000 | 53,700 | 254,000 |
| Iowa | 3,070 | 22,900 | 672 | 2,890 | -- | -- | 22,800 | 136,000 | 34,400 | 202,000 |
| Kansas | 1,940 | 7,710 | 216 | 939 | -- | -- | 12,300 | 61,600 | 21,400 | 108,000 |
| Kentucky | W | W | 974 | 4,170 | W | W | 34,700 | 130,000 | 58,500 | 243,000 |
| Maine | W | W | 8 | W | W | W | W | 7,410 | 1,410 | 7,410 |
| Maryland | W | W | -- | W | -- | -- | 14,100 | 96,000 | 17,400 | 111,000 |
| Massachusetts | -- | -- | W | W | W | W | 1,890 | 20,300 | 2,140 | 23,500 |
| Michigan | 4,430 | 20,800 | 111 | 779 | W | W | 27,100 | 94,000 | 38,600 | 144,000 |
| Minnesota | -- | -- | 199 | 1,070 | W | W | 4,720 | 20,600 | 9,010 | 42,300 |
| Mississippi | -- | -- | W | W | -- | -- | W | W | W | W |
| Missouri | 8,510 | 27,900 | 1,250 | 5,970 | 1,200 | 5,120 | 28,200 | 145,000 | 65,900 | 318,000 |
| Montana | W | W | -- | -- | -- | -- | 1,540 | 6,240 | 1,540 | 6,240 |
| Nebraska | W | W | 316 | 2,740 | -- | -- | 3,710 | 20,500 | 6,370 | 39,800 |
| Nevada | -- | -- | W | W | W | W | 2,170 | 15,600 | 2,170 | 15,600 |
| New Hampshire | -- | -- | -- | -- | -- | -- | W | W | W | W |
| New Jersey | -- | -- | -- | -- | -- | -- | W | W | W | W |
| New Mexico | W | W | -- | -- | -- | -- | 1,190 | 5,390 | 1,350 | 6,090 |
| New York | 3,810 | 15,000 | 80 | 705 | -- | -- | 12,600 | 50,500 | 35,500 | 187,000 |
| North Carolina | -- | -- | W | W | -- | -- | 5,930 | 41,400 | 6,500 | 44,900 |
| Ohio | W | W | 1,110 | 6,370 | 324 | W | 31,700 | 155,000 | 63,600 | 290,000 |
| Oklahoma | W | W | 138 | 527 | -- | -- | 16,800 | 65,700 | 24,000 | 95,400 |
| Oregon | W | W | -- | -- | -- | -- | W | W | W | W |
| Pennsylvania | 6,080 | 29,000 | 627 | 6,040 | 1,250 | 8,940 | 18,900 | 120,000 | 66,000 | 385,000 |
| Rhode Island | -- | -- | W | W | -- | -- | W | W | W | W |
| South Carolina | -- | -- | -- | -- | -- | -- | 3,740 | 18,300 | 3,740 | 18,300 |
| South Dakota | 982 | W | -- | -- | W | W | W | W | 2,850 | 11,500 |
| Tennessee | W | W | 583 | 4,780 | W | W | 13,200 | 74,100 | 49,500 | 275,000 |
| Texas | 8,830 | 21,200 | 505 | 3,260 | 1,000 | 5,000 | 13,500 | 59,100 | 82,500 | 323,000 |
| Utah | W | W | W | W | W | W | 1,480 | 8,500 | 1,480 | 8,500 |
| Vermont | -- | -- | -- | -- | -- | -- | 2,260 | 8,440 | 2,260 | 8,440 |
| Virginia | W | W | 774 | 8,180 | 796 | 4,280 | 6,550 | 41,300 | 21,000 | 126,000 |
| Washington | W | W | W | W | W | W | 2,140 | 21,900 | 2,140 | 21,900 |
| West Virginia | 1,120 | W | 8 | 67 | -- | -- | 6,440 | 49,000 | 11,900 | 72,400 |
| Wisconsin | -- | -- | 387 | 4,100 | W | W | 9,150 | 39,500 | 21,100 | 94,000 |
| Wyoming | -- | -- | -- | -- | -- | -- | 1,620 | 5,330 | 1,620 | 5,330 |
| Total | 60,600 | 221,000 | 13,600 | 81,300 | 4,890 | 23,300 | 407,000 | 2,160,000 | 934,000 | 4,710,000 |
| Total withheld | 20,300 | 80,700 | 209 | 3,180 | 9,280 | 47,700 | 8,500 | 47,800 | 21,000 | 120,000 |
| Grand total | 80,900 | 302,000 | 13,800 | 84,500 | 14,200 | 71,000 | XX | XX | 955,000 | 4,830,000 |

W Withheld to avoid disclosing company proprietary data; included in "Total withheld." XX Not applicable.
1/ Includes a minor amount of limestone-dolomite reported without a distinction between the two.
2/ Data are rounded to three significant digits; may not add to totals shown.

TABLE 16

## CRUSHED MARBLE SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1996, BY USE $1 /$

(Thousand metric tons and thousand dollars)

| Use | Quantity | Value |
| :---: | :---: | :---: |
| Coarse aggregate (+1-1/2-inch): Other coarse aggregate | 8 | 137 |
| Coarse aggregate, graded: |  |  |
| Concrete aggregate, coarse | 174 | 1,390 |
| Bituminous aggregate, coarse | 147 | 979 |
| Bituminous surface-treatment aggregate | 95 | 693 |
| Fine aggregate ( $-3 / 8$-inch): Screening, undesignated | 8 | 39 |
| Coarse and fine aggregates: |  |  |
| Graded road base or subbase | 439 | 2,400 |
| Terrazzo and exposed aggregate | 42 | 1,400 |
| Roofing granules | (2/) | 2 |
| Other construction materials 3/ | 616 | 4,410 |
| Chemical and metallurgical: Lime manufacture | 46 | 1,020 |
| Special: |  |  |
| Other fillers or extenders | 41 | 1,650 |
| Other specified uses not listed 4/ | 166 | 1,090 |
| Unspecified: 5/ |  |  |
| Actual | 2,240 | 15,700 |
| Estimated | 2,060 | 11,700 |
| Total | 6,090 | 42,600 |

1/ Data are rounded to three significant digits; may not add to totals shown.
2/ Less than $1 / 2$ unit.
3/ Includes crusher run (select material or fill), filter stone, other coarse and fine aggregates, other fine aggregate, other graded coarse aggregate, riprap and jetty stone, stone sand (bituminous mix or seal), and unpaved road surfacing.
4/ Includes mine dusting or acid-water treatment, other agricultural uses, and whiting or whiting substitute.
5/ Includes production reported without a breakdown by end use and estimates for respondents.

TABLE 17
CRUSHED GRANITE AND TRAPROCK SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1996, BY USE 1/
(Thousand metric tons and thousand dollars)

| Use | Granite |  | Traprock |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value |
| Coarse aggregate (+1-1/2-inch): |  |  |  |  |
| Macadam | 57 | 300 | 223 | 1,420 |
| Riprap and jetty stone | 2,790 | 24,600 | 2,040 | 14,400 |
| Filter stone | 1,200 | 9,090 | 1,310 | 8,430 |
| Other coarse aggregate | 751 | 5,080 | 611 | 4,400 |
| Coarse aggregate, graded: |  |  |  |  |
| Concrete aggregate, coarse | 13,600 | 97,300 | 7,080 | 57,900 |
| Bituminous aggregate, coarse | 10,900 | 79,200 | 7,840 | 49,300 |
| Bituminous surface-treatment aggregate | 3,270 | 25,800 | 3,240 | 26,300 |
| Railroad ballast | 5,910 | 37,500 | 2,850 | 19,400 |
| Other graded coarse aggregate | 6,360 | 52,700 | 909 | 6,930 |
| Fine aggregate (-3/8-inch): |  |  |  |  |
| Stone sand, concrete | 3,840 | 24,800 | 1,130 | 12,400 |
| Stone sand, bituminous mix or seal | 6,580 | 36,800 | 1,340 | 8,950 |
| Screening, undesignated | 3,880 | 22,000 | 2,450 | 13,200 |
| Other fine aggregate | 519 | 3,740 | 25 | 246 |
| Coarse and fine aggregates: |  |  |  |  |
| Graded road base or subbase | 20,800 | 122,000 | 16,300 | 85,100 |
| Unpaved road surfacing | 1,620 | 5,920 | 3,960 | 16,500 |
| Terrazzo and exposed aggregate | 613 | 4,240 | (2/) | (2/) |
| Crusher run or fill or waste | 11,600 | 68,900 | 3,960 | 16,500 |
| Other coarse and fine aggregates | 1,570 | 10,000 | 4,030 | 25,400 |
| Roofing granules | 942 | 10,300 | 1,270 | 19,900 |
| Other construction materials | 207 | 876 | 1590 3/ | 10,300 3/ |
| Other specified uses not listed 4/ | 601 5/ | 3,920 5/ | (6/) | 5 |

See footnotes at end of table.

TABLE 17--Continued
CRUSHED GRANITE AND TRAPROCK SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1996, BY USE 1/
(Thousand metric tons and thousand dollars)

| Use | Granite |  | Traprock |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value |
| Unspecified: 7/ |  |  |  |  |
| Actual | 90,000 | 595,000 | 15,200 | 84,800 |
| Estimated | 14,400 | 72,400 | 17,200 | 90,500 |
| Total | 202,000 | 1,310,000 | 94,600 | 573,000 |

1/ Data are rounded to three significant digits; may not add to totals shown.
2/ Included with "Other construction materials."
3/ Includes drain fields and building products.
4/ Includes other agricultural uses.
5/ Includes other fillers or extenders.
6/ Less than $1 / 2$ unit.
7/ Includes production reported without a breakdown by end use and estimates for nonrespondents.

TABLE 18
CRUSHED SANDSTONE AND QUARTZITE SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1996, BY USE 1/
(Thousand metric tons and thousand dollars)

| Use | Sandstone |  | Quartzite |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quantity | Value |
| Coarse aggregate (+1-1/2-inch): |  |  |  |  |
| Macadam | 165 | 1,040 | 45 | 248 |
| Riprap and jetty stone | 659 | 3,920 | 200 | 1,160 |
| Filter stone | 80 | 595 | 53 | 369 |
| Other coarse aggregate | 67 | 520 | W | W |
| Coarse aggregate, graded: |  |  |  |  |
| Concrete aggregate, coarse | 938 | 5,310 | 602 | 3,230 |
| Bituminous aggregate, coarse | 1,540 | 10,900 | 738 | 4,330 |
| Bituminous surface-treatment aggregate | 408 | 3,150 | 290 | 2,280 |
| Railroad ballast | 40 | 248 | 46 | 336 |
| Other graded coarse aggregate | W | W | -- | -- |
| Fine aggregate (-3/8-inch): |  |  |  |  |
| Stone sand, concrete | 642 | 3,950 | 122 | 965 |
| Stone sand, bituminous mix or seal | 552 | 3,330 | 201 | 1,430 |
| Screening, undesignated | 412 | 2,000 | 396 | 1,000 |
| Other fine aggregate | 336 | 1,710 | -- | -- |
| Coarse and fine aggregates: |  |  |  |  |
| Graded road base or subbase | 3,870 | 20,100 | 814 | 4,660 |
| Unpaved road surfaces | 502 | 3,040 | 487 | 2,660 |
| Terrazzo and exposed aggregate | W | W | W | W |
| Crusher run or fill or waste | 555 | 2,720 | 140 | 803 |
| Other coarse and fine aggregates | 156 | 843 | 343 | 3,090 |
| Other construction materials | 309 | 3,130 | 51 | 347 |
| Agricultural: Poultry grit and mineral food | (2/) | (2/) | (3/) | (3/) |
| Chemical and metallurgical: |  |  |  |  |
| Cement manufacture | 315 | 1,260 | 95 | 713 |
| Flux stone | 9 | 48 | 303 | 3,270 |
| Glass manufacture | -- | -- | (3/) | (3/) |
| Special: |  |  |  |  |
| Other fillers or extenders | (2/) | (2/) | -- | -- |
| Other specified uses not listed | -- | -- | 99 | 1,350 |
| Unspecified: 4/ |  |  |  |  |
| Actual | 10,300 | 62,500 | 3,770 | 21,900 |
| Estimated | 5,720 | 30,200 | 916 | 4,740 |
| Total | 27,700 | 162,000 | 9,720 | 58,900 |

W Withheld to avoid disclosing company proprietary data; included with "Other construction materials."
1/ Data are rounded to three significant digits; may not add to totals shown.
2/ Withheld to avoid disclosing company proprietary data; included in "Total."
3/ Included with "Other specified uses not listed."
4/ Includes production reported without breakdown by end use and estimates for nonrespondents.

TABLE 19
CRUSHED VOLCANIC CINDER AND SCORIA AND CRUSHED MISCELLANEOUS STONE 1/ SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1996, BY USE $2 /$
(Thousand metric tons and thousand dollars)

| Use | Volcanic cinder and scoria |  |  |  | Miscellaneous stone |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity |  | Value |  | Quantity | Value |
| Coarse aggregate (+1-1/2-inch): |  |  |  |  |  |  |
| Macadam | -- |  | -- |  | W | W |
| Riprap and jetty stone | W |  | W |  | 76 | 745 |
| Filter stone | W |  | W |  | 102 | 777 |
| Other coarse aggregate | -- |  | -- |  | 115 | 549 |
| Course aggregate, graded: |  |  |  |  |  |  |
| Concrete aggregate, coarse | W |  | W |  | 581 | 3,450 |
| Bituminous aggregate, coarse | -- |  | -- |  | 925 | 5,050 |
| Bituminous surface-treatment aggregate | -- |  | -- |  | 777 | 5,200 |
| Railroad ballast | -- |  | -- |  | W | W |
| Other graded coarse aggregate | W |  | W |  | 191 | 1,190 |
| Fine aggregate (-3/8-inch): |  |  |  |  |  |  |
| Stone sand, concrete | -- |  | -- |  | W | W |
| Stone sand, bituminous mix or seal | -- |  | -- |  | 213 | 1,250 |
| Screening, undesignated | 54 |  | 391 |  | 345 | 1,760 |
| Other fine aggregate | -- |  | -- |  | W | W |
| Coarse and fine aggregates: |  |  |  |  |  |  |
| Graded road base or subbase | 398 |  | 2,250 |  | 2,890 | 12,500 |
| Unpaved road surfacing | 124 |  | 201 |  | 867 | 5,200 |
| Terrazzo and exposed aggregate | 297 |  | 3,140 |  | W | W |
| Crusher run or fill or waste | W |  | W |  | 364 | 1,550 |
| Other coarse and fine aggregates | -- |  | -- |  | 145 | 1,020 |
| Other construction materials | 307 | 3/ | 1,420 | 3/ | 1,010 | 6,840 |
| Agricultural: |  |  |  |  |  |  |
| Poultry grit and mineral food | -- |  | -- |  | (4/) | (4/) |
| Other agricultural uses | -- |  | -- |  | (4/) | (4/) |
| Chemical and metallurgical: Cement manufacture | -- |  | -- |  | 2,180 | 5,130 |
| Special: Other fillers or extenders | -- |  | -- |  | (4/) | (4/) |
| Other miscellaneous uses: |  |  |  |  |  |  |
| Light weight aggregate (slate) | -- |  | -- |  | 669 | 7,080 |
| Flour (slate) | -- |  | -- |  | (4/) | (4/) |
| Other specified uses not listed | 68 |  | 774 |  | 260 | 1,970 |
| Unspecified: 5/ |  |  |  |  |  |  |
| Actual | 649 |  | 4,370 |  | 12,800 | 84,900 |
| Estimated | 155 |  | 875 |  | 8,550 | 42,100 |
| Total | 2,050 |  | 13,400 |  | 33,000 | 188,000 |

W Withheld to avoid disclosing company proprietary data; included with "Other construction materials."
1/ Includes marl, shell, slate, and other stone.
2/ Data are rounded to three significant digits; may not add to totals shown.
3/ Includes roofing granules.
4/ Included with "Other specified uses not listed."
5/ Includes production reported without a breakdown by end use and estimates for nonrespondents.

TABLE 20
RECYCLED ASPHALT AND CONCRETE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY REGION 1/

| Region/Division | Recycled asphalt |  |  |  |  |  | Recycled concrete |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1995 |  |  | 1996 |  |  | 1995 |  |  | 1996 |  |  |
|  | Quantity (thousand metric tons) | Value (thousands) | Unit <br> value | Quantity (thousand metric tons) | Value (thousands) | Unit <br> value | Quantity <br> (thousand metric tons) | Value (thousands) | Unit <br> value | Quantity (thousand metric tons) | Value <br> (thousands) | Unit <br> value |
| Northeast: |  |  |  |  |  |  |  |  |  |  |  |  |
| New England | 258 | \$1,660 r/ | \$6.44 r/ | 528 | \$3,150 | \$5.97 | $42 \mathrm{r} /$ | \$261 r/ | \$7.16 | 63 | \$346 | \$5.31 |
| Middle Atlantic | 296 r/ | 2,120 r/ | $7.15 \mathrm{r} /$ | 271 | 2,360 | 8.71 | 193 | 988 | 5.12 | 420 | 2,280 | 5.42 |
| Midwest: |  |  |  |  |  |  |  |  |  |  |  |  |
| East North Central | 89 | 606 | 6.81 | 136 | 668 | 4.91 | 38 | 135 | 3.55 | 23 | 90 | 3.91 |
| West North Central | 205 | 919 | 4.48 | 119 | 728 | 6.12 | 132 | 600 | 4.55 | W | W | 3.76 |
| South: |  |  |  |  |  |  |  |  |  |  |  |  |
| South Atlantic | 20 | 65 | 3.25 | 23 | 124 | 5.39 | W | W | 5.86 | W | W | 5.81 |
| East South Central | W | W | 6.67 | W | W | 4.26 | -- | -- | -- | -- | -- | -- |
| West South Central | 576 | 2,370 | 5.85 | W | W | 7.05 | W | W | 5.56 | -- | -- | -- |
| West: |  |  |  |  |  |  |  |  |  |  |  |  |
| Mountain | W | W | 2.78 r/ | 105 | 547 | 5.21 | W | W | $1.00 \mathrm{r} /$ | 30 | 94 | 3.13 |
| Pacific | 84 | 339 | 4.04 | 103 | 673 | 6.53 | 390 | 1,780 | 4.55 | 436 | 2,460 | 5.64 |
| Total | 1,580 | 8,280 r/ | $5.25 \mathrm{r} /$ | 1,350 | 8,630 | 6.41 | 912 r/ | 4,410 r/ | 4.84 r/ | 1,170 | 6,280 | 5.37 |

r/ Revised. W Withheld to avoid disclosing company proprietary data; included in "Total."
1/ Data are rounded to three significant digits; may not add to totals shown.

TABLE 21
RECYCLED ASPHALT SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE 1/

| State | 1995 |  |  | 1996 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity (thousand metric tons) | Value (thousands) | Unit <br> value | Quantity (thousand metric tons) | Value (thousands) | Unit <br> value |
| Alabama | -- | -- | -- | W | W | \$2.75 |
| Alaska | -- | -- | -- | 15 | \$136 | 9.07 |
| Arizona | 11 | \$22 | \$2.00 | -- | -- | -- |
| California | 61 | 198 | 3.25 | 62 | 193 | 3.11 |
| Colorado | W | W | 3.56 | W | W | 3.67 |
| Connecticut | -- | -- | -- | W | W | 5.55 |
| Florida | W | W | 4.00 | W | W | 4.57 |
| Hawaii | -- | -- | -- | W | W | 7.40 |
| Idaho | -- | -- | -- | 6 | 18 | 3.00 |
| Illinois | 17 | 71 | 4.18 | -- | -- | -- |
| Indiana | 14 | W | W | W | W | 5.33 |
| Iowa | W | W | 1.06 r/ | 2 | 8 | -- |
| Kansas | W | W | 3.29 | W | W | 4.75 |
| Louisiana | 9 | 71 | 7.89 | W | W | 16.67 |
| Maine | 4 | W | W | 44 | 296 | 6.73 |
| Massachusetts | 148 | 953 | 6.44 | 338 | 1,990 | 5.90 |
| Minnesota | 83 | 470 | 5.66 | 89 | 586 | 6.58 |
| Missouri | W | W | 6.40 | W | W | 4.10 |
| Nevada | -- | -- | -- | 18 | 43 | 2.39 |
| New Hampshire | W | W | $7.35 \mathrm{r} /$ | W | W | 6.39 |
| New Jersey | 172 | 1,580 | 9.20 | W | W | 9.85 |
| New Mexico | W | W | 1.00 r/ | -- | -- | -- |
| New York | 21 | 116 | 5.52 | 38 | 211 | 5.55 |
| Ohio | -- | -- | -- | W | W | 6.80 |
| Oregon | 20 | 124 | 6.20 | 18 | 300 | 16.67 |
| Pennsylvania | $103 \mathrm{r} /$ | 418 r/ | 4.06 r/ | 48 | 317 | 6.60 |
| Rhode Island | W | W | 6.11 | W | W | 5.28 |
| South Dakota | 32 | 175 | 5.47 | -- | -- | -- |
| Tennessee | W | W | 6.67 | W | W | 4.26 |
| Texas | W | W | 4.05 | W | W | 4.26 |
| Utah | -- | -- | -- | W | W | 6.56 |
| Vermont | -- | -- | -- | W | W | 1.00 |
| Virginia | W | W | 1.00 | W | W | 6.67 |
| Washington | W | W | 6.00 | W | W | 2.33 |
| Wisconsin | 59 | 355 | 6.02 | 37 | 139 | 3.76 |
| Total | 1,580 | 8,280 r/ | $5.25 \mathrm{r} /$ | 1,350 | 8,630 | 6.41 |

r/ Revised. W Withheld to avoid disclosing company proprietary data; included in "Total."
1/ Data are rounded to three significant digits; may not add to totals shown.

TABLE 22
RECYCLED CONCRETE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE 1/

| State | 1995 |  |  | 1996 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity (thousand metric tons) | Value <br> (thousands) | Unit <br> value | Quantity (thousand metric tons) | Value <br> (thousands) | Unit <br> value |
| Alaska | W | W | \$4.40 | 1 | \$10 | \$10.00 |
| California | 73 | \$248 | 3.40 | 269 | 1,530 | 5.70 |
| Hawaii | W | W | 2.17 | -- | -- | -- |
| Idaho | -- | -- | -- | W | W | 3.50 |
| Illinois | 20 | 89 | 4.45 | -- | -- | -- |
| Iowa | W | W | 6.41 | -- | -- | -- |
| Maine | 31 | 147 | 2.14 | W | W | 2.57 |
| Massachusetts | W | W | 10.36 r/ | 57 | 328 | 5.56 |
| Minnesota | W | W | 4.37 | W | W | 3.76 |
| Nevada | -- | -- | -- | 6 | 15 | 2.50 |
| New Jersey | 111 | 594 | 5.35 | W | W | 5.83 |
| New Mexico | W | W | $1.00 \mathrm{r} /$ | W | W | 4.00 |
| New York | W | W | 4.76 | W | W | 4.49 |

See footnotes at end of table.

TABLE 22--Continued
RECYCLED CONCRETE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE 1/

| State | 1995 |  |  | 1996 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity (thousand metric tons) | Value (thousands) | Unit <br> value | Quantity (thousand metric tons) | Value (thousands) | Unit <br> value |
| Oregon | (2/) | 1 | 3.94 r/ | W | W | 5.41 |
| Pennsylvania | W | W | 4.00 | 3 | 15 | 4.00 |
| South Dakota | 96 | 408 | 4.25 | -- | -- | -- |
| Texas | W | W | 5.56 | -- | -- | -- |
| Utah | -- | -- | -- | W | W | 2.00 |
| Virginia | W | W | 5.86 | W | W | 5.81 |
| Washington | W | W | 4.93 | W | W | 5.49 |
| Wisconsin | W | W | 2.56 | 23 | 90 | 3.91 |
| Total | $912 \mathrm{r} /$ | 4,410 r/ | 4.84 r/ | 1,170 | 6,280 | 5.37 |

r/ Revised. W Withheld to avoid disclosing company proprietary data; included in "Total."
1/ Data are rounded to three significant digits; may not add to totals shown.
2/ Less than 1/2 unit.

TABLE 23
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1996, BY REGION AND METHOD OF TRANSPORTATION 1/
(Thousand metric tons)

| Region/Division | Truck | Rail | Water | Other | Not transported | Not specified | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Northeast: |  |  |  |  |  |  |  |
| New England | 9,500 | 423 | (2/) | (2/) | 3,260 | 15,600 | 28,800 |
| Middle Atlantic | 82,600 | 3,350 | 2,420 | 2,330 | 9,570 | 52,100 | 152,000 |
| Midwest: |  |  |  |  |  |  |  |
| East North Central | 103,000 | 6,330 | 18,500 | 2,680 | 11,100 | 107,000 | 249,000 |
| West North Central | 46,600 | 3,690 | 6,550 | 1,670 | 11,000 | 78,100 | 148,000 |
| South: |  |  |  |  |  |  |  |
| South Atlantic | 144,000 | 19,800 | 1,860 | 1,390 | 12,200 | 140,000 | 319,000 |
| East South Central | 75,900 | 2,530 | 1,620 | 1,120 | 8,260 | 65,900 | 155,000 |
| West South Central | 64,900 | 19,000 | (2/) | 4,740 | 7,610 | 48,800 | 145,000 |
| West: |  |  |  |  |  |  |  |
| Mountain | 15,000 | 1,820 | (2/) | (2/) | 3,590 | 18,600 | 39,100 |
| Pacific | 29,900 | 2,280 | 1,390 | 6,370 | 4,690 | 48,900 | 93,500 |
| Total | 572,000 | 59,200 | 32,400 | 20,300 | 71,400 | 575,000 | 1,330,000 |

1/ Data are rounded to three significant digits; may not add to totals shown.
2/ Less than $1 / 2$ unit.

TABLE 24
NUMBER OF CRUSHED AND BROKEN STONE OPERATIONS AND PROCESSING PLANTS IN THE UNITED STATES IN 1996, BY STATE

| State | Mining operations on land |  |  |  | Dredging operations | Total active operations |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Stationary | Portable | Stationary and portable | No. plants or unspecified |  |  |
| Alabama | 46 | 4 | -- | 2 | -- | 52 |
| Alaska 1/ | 2 | 7 | 2 | 3 | -- | 14 |
| Arizona | 15 | 10 | 1 | 3 | 1 | 30 |
| Arkansas | 30 | 10 | 6 | 6 | -- | 52 |
| California | 52 | 23 | 14 | 10 | 1 | 100 |
| Colorado | 10 | 6 | 8 | 3 | -- | 27 |
| Connecticut | 17 | 5 | 1 | -- | 1 | 24 |
| Florida | 33 | 29 | 6 | 7 | 3 | 78 |
| Georgia | 73 | 3 | 1 | 1 | -- | 78 |
| Hawaii | 10 | 9 | 5 | 3 | -- | 27 |
| Idaho | 8 | 26 | 4 | 2 | -- | 40 |
| Illinois | 74 | 53 | 16 | 1 | -- | 144 |
| Indiana | 72 | 3 | 7 | 3 | -- | 85 |
| Iowa | 22 | 170 | 2 | 5 | -- | 199 |
| Kansas | 19 | 83 | 6 | 2 | -- | 110 |
| Kentucky | 77 | 8 | 5 | 3 | -- | 93 |
| Louisiana | 1 | 1 | -- | 1 | 11 | 14 |
| Maine | 6 | 8 | 1 | -- | -- | 15 |
| Maryland | 20 | 7 | 1 | 1 | -- | 29 |
| Massachusetts | 23 | 6 | 3 | 3 | -- | 35 |
| Michigan | 17 | 9 | 3 | 3 | -- | 32 |
| Minnesota | 8 | 31 | 1 | 6 | -- | 46 |
| Mississippi | 3 | 1 | 1 | -- | -- | 5 |
| Missouri | 96 | 91 | 14 | 10 | -- | 211 |
| Montana | 9 | 4 | -- | 1 | -- | 14 |
| Nebraska | 5 | 3 | 3 | -- | -- | 11 |
| Nevada | 10 | 4 | 1 | -- | -- | 15 |
| New Hampshire | 6 | 3 | 1 | 2 | -- | 12 |
| New Jersey | 10 | 1 | 10 | -- | -- | 21 |
| New Mexico | 13 | 15 | 2 | 1 | -- | 31 |
| New York | 67 | 13 | 18 | 3 | -- | 101 |
| North Carolina | 85 | 8 | 5 | 2 | -- | 100 |
| Ohio | 82 | 19 | 7 | 2 | 1 | 111 |
| Oklahoma | 45 | 8 | 8 | 1 | -- | 62 |
| Oregon | 26 | 89 | 7 | 15 | 2 | 139 |
| Pennsylvania | 146 | 25 | 20 | 14 | -- | 205 |
| Rhode Island | 7 | 1 | -- | -- | -- | 8 |
| South Carolina | 30 | 1 | 2 | 1 | -- | 34 |
| South Dakota | 8 | 2 | -- | -- | -- | 10 |
| Tennessee | 101 | 9 | 3 | 3 | -- | 116 |
| Texas | 69 | 46 | 15 | 3 | -- | 133 |
| Utah | 8 | 5 | 4 | 1 | -- | 18 |
| Vermont | 7 | 4 | 3 | 3 | -- | 17 |
| Virginia | 92 | 5 | 7 | -- | -- | 104 |
| Washington | 29 | 53 | 10 | 24 | -- | 116 |
| West Virginia | 34 | 7 | 4 | 1 | -- | 46 |
| Wisconsin | 21 | 104 | 5 | 13 | -- | 143 |
| Wyoming | 6 | 3 | 1 | -- | -- | 10 |
| Total | 1,650 | 1,035 | 244 | 168 | 20 | 3,117 |

1/ Data derived, in part, from the Alaska Division of Geological and Geophysical Surveys.

TABLE 25
U.S. EXPORTS OF CRUSHED STONE IN 1996, BY DESTINATION 1/

|  | (Metric tons) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Destination | Limestone for cement manufacturing | Other | Chalk, crude | Granules, chippings | Total |
| North America: |  |  |  |  |  |
| Bahamas, The | 190 | -- | -- | -- | 190 |
| Barbados | -- | -- | 18 | 14 | 32 |
| Canada | 2,410,000 | 968 | 4,040 | 189,000 | 2,610,000 |
| Cayman Islands | -- | -- | -- | 57 | 57 |
| Costa Rica | 1 | -- | 1 | -- | 2 |
| Jamaica | 4,660 | -- | -- | 1 | 4,660 |
| Mexico | 1,460 | 469 | 124 | 3,150 | 5,200 |
| Netherlands Antilles | -- | -- | -- | 3,700 | 3,700 |
| Panama | -- | -- | 33 | -- | 33 |
| Trinidad and Tobago | 26,100 | -- | -- | -- | 26,100 |
| Total | 2,450,000 | 1,440 | 4,220 | 196,000 | 2,650,000 |
| South America: |  |  |  |  |  |
| Argentina | 588 | -- | -- | -- | 588 |
| Brazil | 14,300 | -- | -- | 501 | 14,800 |
| Chile | 37 | -- | -- | 10 | 47 |
| Colombia | 1,600 | 1 | 5 | -- | 1,610 |
| Ecuador | 800 | 37 | -- | 20 | 857 |
| Peru | 200 | -- | -- | -- | 200 |
| Suriname | 21,000 | -- | -- | -- | 21,000 |
| Venezuela | 1,500 | -- | 49 | 6,560 | 8,110 |
| Total | 40,000 | 38 | 53 | 7,090 | 47,200 |
| Europe: |  |  |  |  |  |
| Austria | 1,600 | -- | -- | 16 | 1,620 |
| Belgium | 54,500 | -- | 4 | 47 | 54,500 |
| Denmark | 420 | -- | -- | -- | 420 |
| France | 44,100 | 21 | 12 | 5 | 44,100 |
| Germany | 75,200 | 3,080 | 154 | 817 | 79,300 |
| Greece | 700 | -- | -- | -- | 700 |
| Hungary | 3,200 | -- | -- | -- | 3,200 |
| Iceland | 51 | -- | -- | -- | 51 |
| Ireland | 1,460 | 606 | -- | -- | 2,070 |
| Italy | 42,100 | -- | -- | 140 | 42,200 |
| Netherlands | 2,460 | 239 | -- | 7,330 | 10,000 |
| Portugal | -- | -- | -- | 3 | 3 |
| Slovenia | 1 | -- | -- | -- | 1 |
| Spain | 680 | -- | -- | -- | 680 |
| Sweden | 8,860 | -- | -- | -- | 8,860 |
| Switzerland | 2,780 | -- | -- | -- | 2,780 |
| United Kingdom | 62,400 | 325 | 10 | 462 | 63,200 |
| Total | 300,000 | 4,270 | 181 | 8,820 | 314,000 |
| Asia: |  |  |  |  |  |
| China | 8,880 | -- | -- | 8,020 | 16,900 |
| Hong Kong | 114 | 60 | -- | 137 | 311 |
| India | -- | 22 | -- | -- | 22 |
| Indonesia | 6,480 | 14 | -- | -- | 6,490 |
| Japan | 173,000 | 1,680 | 1 | 173 | 175,000 |
| Korea, Republic of | 3,520 | 116 | -- | 34 | 3,670 |
| Malaysia | 1,050 | -- | -- | 87 | 1,140 |
| Singapore | -- | 209 | -- | 4 | 213 |
| Taiwan | 40,700 | 36 | 1 | 56 | 40,800 |
| Thailand | 700 | -- | -- | -- | 700 |
| Total | 235,000 | 2,130 | 2 | 8,510 | 246,000 |

TABLE 25--Continued
U.S. EXPORTS OF CRUSHED STONE IN 1996, BY DESTINATION 1/

| Destination | (Metric tons) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Limestone for cement manufacturing | Other | Chalk, crude | Granules, chippings | Total |
| Oceania: |  |  |  |  |  |
| Australia | 6,330 | 37 | 104 | -- | 6,470 |
| Other | -- | -- | -- | 190 | 190 |
| Total | 6,330 | 37 | 104 | 190 | 6,660 |
| Middle East: |  |  |  |  |  |
| Israel | -- | -- | 1,930 | -- | 1,930 |
| Lebanon | -- | -- | -- | -- | -- |
| Qatar | -- | -- | -- | 502 | 502 |
| Saudi Arabia | -- | -- | -- | 1,220 | 1,220 |
| Total | -- | -- | 1,930 | 1,720 | 3,650 |
| Africa: |  |  |  |  |  |
| Egypt | 72 | -- | -- | -- | 72 |
| South Africa | 38 | -- | -- | -- | 38 |
| Total | 110 | -- | -- | -- | 110 |
| Grand total | 3,030,000 | 7,920 | 6,490 | 223,000 | 3,270,000 |
| Total value (thousands) | \$20,500 | \$5,940 | \$2 | \$9,900 | \$36,300 |

1/ Data are rounded to three significant digits; may not add to totals shown.
Source: U.S. Bureau of the Census.

TABLE 26
U.S. IMPORTS OF CRUSHED STONE AND CALCIUM CARBONATE FINES, BY TYPE 1/
(Thousand metric tons and thousand dollars)

| Type | 1995 |  | 1996 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity | $\begin{gathered} \text { C.i.f. } \\ \text { value } 2 / \end{gathered}$ | Quantity | $\begin{gathered} \text { C.i.f. } \\ \text { value } 2 / \end{gathered}$ | Unit price |
| Crushed stone and chips: |  |  |  |  |  |
| Limestone 2/ | 6,400 | 52,600 | 7,150 | 58,300 | \$8.15 |
| Limestone for flux or cement manufacturing | 3,240 | 24,600 | 3,480 | 23,800 | 6.83 |
| Quartzite | (3/) | 390 | (3/) | 524 | 1,168 |
| Other | 1,200 | 12,600 | 664 | 7,000 | 10.55 |
| Total | 10,800 | 90,300 | 11,300 | 89,600 | XX |
| Calcium carbonate fines: 4/ |  |  |  |  |  |
| Natural chalk | (3/) | 7 | (3/) | 1,260 | XX |
| Calcium carbonates other chalk | 7 | 1,600 | 3 | 914 | 304.67 |
| Total | 7 | 1,610 | 3 | 2,170 | XX |
| Grand total | 10,900 | 91,900 | 11,300 | 91,800 | XX |

XX Not applicable.
1/ Data are rounded to three significant digits, except prices; may not add to totals shown.
2/ Excludes limestone for cement manufacturing.
3/ Less than 1/2 unit.
4/ Excludes precipitated calcium carbonates.

Source: U.S. Bureau of the Census.

