CRUSHED STONE

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Crushed stone is one of the most accessible natural resources and a major basic raw material used by a wide range of industries from construction to agriculture, chemicals, and industrial 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 1.26 billion metric tons of crushed stone was produced for consumption in the United States in 1995, a 3.1% increase compared of 1994. This tonnage represents the highest production level ever recorded in the United States, indicating a continued increase in the demand for construction aggregates in 1995. *(See table 1.)*

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

Foreign trade of crushed stone continued to remain relatively small in 1995. Exports increased 16.5% to 6 million tons, while value increased 3.1% to $39.3 million compared with that of 1994.

Imports of crushed stone, including calcium carbonate, increased 21.5% to 10.9 million tons, while the value increased 18% to $91.9 million. Domestic apparent consumption of crushed stone was 1.27 billion tons. *(See tables 1, 25, and 26.)*

Legislation

National Highway System Designation Act of 1995, Public Law 104-59, was signed by the President on November 28, 1995. The law designated 160,955 miles of major roads as part of the new National Highway System and provides $13 billion in federal aid for the system over the next 2 years. The law also repeals the mandated use of crumb rubber for asphalt pavements which has been included in the original Intermodal Surface Transportation Efficiency Act (ISTEA).

Department of Transportation and Related Agencies Appropriation Act of 1996, Public Law 104-50, was signed by the President on November 15, 1995. The Act appropriates $17.6 billion for new highway spending in the fiscal year 1996, a $400 million increase from fiscal year 1995.

Production

Domestic production data for crushed stone are developed by the U.S. Geological Survey (USGS) from voluntary surveys of U.S. producers. In response to the customer requests to provide better statistical information on construction aggregates, the annual surveys on crushed stone were reintroduced beginning with 1994 calendar year, in addition to the quarterly survey of crushed stone and sand and gravel.

Of the 4,088 crushed stone operations surveyed in 1995, 3,113 operations with 3,681 quarries operated by 1,503 companies were active. Of these, 2,493 operations with 2,952 quarries representing 80.1% of the total number of operations and 90.2% of the total number of quarries, operated by 1,022 companies, reported to the USGS, and their total production represented 86.2% of the total U.S. crushed stone output. The nonrespondents' production was estimated using employment data and/or adjusted prior years' production reports. Of the 2,493 reporting operations, 668 operations with 931 quarries did not report a breakdown by end use. Their production represented 25.1% of the U.S. total and is included in table 13 under "Unspecified uses, actual." The estimated production of 620 nonresponding operations represented 13.8% of the U.S. total and is included in table 13 under "Unspecified uses, estimated."

A total of 898 quarries were either idle or presumed to have been idle in 1995 because no information was available to estimate their production. A total of 207 operations were closed since 1994 survey. Most of the idle or closed operations were small temporary quarries operated by the State or local governments.

A total of 1.26 billion tons of crushed stone was produced for consumption in the United States in 1995, a 3.1% increase compared with 1994. This tonnage represents the highest production level ever recorded in the United States. *(See table 1.)* Of this total, 881 million tons or 71% was limestone and dolomite, 194 million tons or 15.3% was granite, and 101 million tons or 8% was traprock. The remaining 5.7% was shared, in descending order of quantity, by sandstone and quartzite, miscellaneous stone, marble, calcareous marl, slate, shell, and volcanic cinder and scoria. *(See table 2.)*

A comparison of the four geographic regions indicates that in 1995 the South continued to lead the Nation in the production of crushed stone with 586.2 million tons or 46.4% of the total, followed by the Midwest with 381.0 million tons or 30.1%, and the Northeast with 170.0 million tons or 13.4%. Approximately 76% of the total U.S. crushed stone output was produced in two major geographic regions, the South and the Midwest. *(See table 3.)*

Of the nine divisions, the South Atlantic led the Nation in the production of crushed stone with 300.9 million tons or 23.8% of the U.S. total. Next was the East North Central division with 235.0 or 18.6% of the total, followed by the East South Central with 143.7 million tons or 11.24%.

A comparison between the 1994 and 1995 production data by divisions indicates that the output of crushed stone increased in all divisions except in the West North Central region and the Mountain region. The largest increases were recorded in the New England region, +9.3%; the West South Central division, +8.6%; and the Pacific region, +5.9%.

Crushed stone was produced in every State except Delaware and North Dakota. The 10 leading States in the production of crushed stone, in order of volume, were Texas, Pennsylvania, Florida, Missouri, Illinois, Ohio, Georgia, North Carolina, Virginia, and Kentucky. Their combined production represented 51.1% of the national total.

Crushed stone was produced by 1,503 companies at 3,113 operations with 3,681 quarries. Leading U.S. producers were, in order of volume were, Vulcan Materials Co., Martin-Marietta Aggregates, Cornerstone Construction & Materials, Inc./Hanson Industries, CSR America Inc., and Florida Rock Industries, Inc.

On January 4, 1995, Martin Marietta Materials (MMM) of Raleigh, NC, announced that it has completed the purchase of Dravo Corp.'s construction aggregates business. Included in the acquisition are 22 production facilities located in 9 States and The Bahamas. The newly acquired business will be known as Martin Marietta's Central Region. As part of this acquisition, MMM will divest itself of Dravo's Pittsburgh-area concrete block, ready mix, and sand and gravel facilities; combine its present Georgia operations with those acquired in Alabama from Dravo to form a new region headquartered in Augusta, GA; and combine its South Carolina operations with its existing western Carolina region to form a new Southeastern region. In March 1995, MMM announced the purchase of APAC-Virginia, Inc.'s Chesterfield Quarry located near Richmond, VA, and of Georgia Stone Quarries of Homer, GA. In September, MMM announced the acquisition from Construction Aggregates Ltd. of Mulgrave, Nova Scotia, Canada, a subsidiary of Lone Star Industries of Stamford, CT, a granite quarry located in the Strait of Canso, Nova Scotia.

The management of Australia's CSR, the parent company of CSR America, Inc., Atlanta, GA, announced that the company expects to spend in the United States during the next several years as much as $200 million, mainly on acquisitions, to expand its operations. CSR owns Florida-based Rinker Materials Co., Ohio-based American Aggregates Co., Las Vegas-based WMK Materials, and Washington State's Associated Sand and Gravel.

Effective April 1, 1995, Wendling Quarries, Inc., Dewitt, IA, acquired Vulcan Materials Co.'s 19 crushed stone and 2 sand and gravel Iowa operations.

In June 1995, RMC Industries Corp., Decatur, GA, a subsidiary of RMC Group PLC, of London, UK, acquired the remaining 50% stake in RMC Lonestar of Pleasanton, CA. The transaction included 9 aggregates and 31 ready-mix operations located in northern California.

English China Clay (ECC) International of Sylacauga, AL, a subsidiary of ECC PLC Group of Cheltenham, Gloucestershire, England, acquired a calcium carbonate operation located at Texas Quarry, MD, from Genstar Stone Products Co., Hunt Valley, MD, a subsidiary of Redland Aggregates Ltd., Groby, Leicester, England.

Limestone.—The 1995 output of crushed limestone, including some dolomite, increased 1.8% to 804 million tons valued at $4.0 billion, compared with the 1994 totals. *(See table 2.)* In addition to the quarries reporting only limestone, 61 operations with 63 quarries reported producing both limestone and dolomite, without making a distinction between the two kinds of stone. Their production, 23.3 million tons, was included with limestone; therefore, the limestone totals shown in this chapter include an undetermined amount of dolomite, in addition to the dolomite reported separately.

Limestone was produced by 873 companies at 1,824 operations with 1,948 quarries in 47 States. In addition, 56 companies with 169 operations and 182 quarries reported producing limestone and dolomite from the same quarries. Leading States, in order of tonnage, were Texas, Florida, Missouri, Kentucky, and Illinois; these five States accounted for 38.2% of the total U.S. output. *(See table 8.)* Leading U.S. producers were, in order of volume, Vulcan Materials Co., Cornerstone Construction & Materials, Inc./Hanson Industries, Martin Marietta Aggregates, CSR America, Inc., and Rogers Group, Inc.

Dolomite.—Production of dolomite (not including those undetermined amounts included with limestone) decreased 1.0% to 93.1 million tons valued at $480 million, compared with 1994. *(See table 2.)* Crushed dolomite was reportedly produced by 94 companies at 169 operations with 182 quarries in 26 States. Leading States in the production of dolomite, in order of tonnage, were Pennsylvania, Ohio, Illinois, Michigan, and Indiana; these five States accounted for 63.6% of the total U.S. output. *(See table 8.)*

Leading U.S. producers were Vulcan Materials Co., Cornerstone Construction & Materials, Inc./Hanson Industries, Glasgow, Inc., S. E. Johnson Co./Stoneco, Inc., and National Lime & Stone Co.

Marble.—Production of crushed marble increased 6.3% to 6.0 million tons valued at $52.4 million. *(See table 2.)* Crushed marble was produced by 13 companies with 25 operations and 42 quarries in 13 States. *(See table 9.)* Leading producers of crushed marble, in order of tonnage, were Georgia Marble Co., Pluess Staufer, Inc., and Florida Rock Industries, Inc.

Calcareous Marl.—Output of marl decreased 3.8% to 4.7 million tons valued at $15.1 million. *(See table 2.)* Marl was produced by 14 companies with 14 operations at 14 quarries in 8 States. *(See table 9.)* Leading producers, in order of tonnage, were Capitol Aggregates Inc., Medusa Corp./Medusa Cement Co., and Giant Group Ltd.

Shell.—Shell is mainly derived from fossil reefs or oyster shell. The output of crushed shell increased 29.6% to 2.3 million tons valued at $14.3 million. *(See table 2.)* Crushed shell was produced by 11 companies from 11 operations in 7 States. Leading producers, in order of tonnage, were Louisiana Dredging Co., Quality Aggregates, Inc., and Leisey Shell Corp.

Granite.—The 1995 output of crushed granite increased 6.6% to 193.8 million tons valued at $1.2 billion. *(See table 2.)* Crushed granite was produced by 156 companies at 334 operations with 365 quarries in 34 States. Leading States, in order of tonnage, were Georgia, North Carolina, Virginia, South Carolina, and Arkansas; these five States accounted for 73.4% of the U.S. output. *(See table 10.)* Leading U.S. producers, in order of tonnage, were Vulcan Materials Co., Martin Marietta Aggregates, Cornerstone Construction & Materials, Inc./Hanson Industries, Florida Rock Industries, and Blue Circle America, Inc.

Traprock.—Production of crushed traprock increased 8.5% to 100.9 million tons valued at $587.9 million. *(See table 2.)* Traprock was produced by 253 companies at 368 operations with 589 quarries in 27 States. Leading States, in order of tonnage, were Oregon, Virginia, Washington, New Jersey, and Idaho; these five States accounted for 58.6% of U.S. output. *(See table 10.)*

Leading U.S. producers, in order of tonnage, were Vulcan Materials Co., Luck Stone Corp., Eucon Corp./Deatley Corp. and Pacific Rock Products, Inc., Tilcon Inc., and Stavola, Inc./Traprock Industries.

Sandstone and Quartzite.—The combined output of crushed sandstone and quartzite increased 1.9% to 32.7 million tons valued at $199.4 million. *(See table 2.)* Crushed sandstone was produced by 104 companies at 138 operations with 204 quarries in 25 States, while crushed quartzite was produced by 32 companies at 33 operations with 44 quarries in 18 States. Leading States in the production of sandstone and quartzite in order of tonnage were Arkansas, Pennsylvania, and South Dakota; their combined production represented 42.6% of the U.S. output. *(See table 10.)*

Leading producers of sandstone and quartzite, in order of tonnage, were Martin Marietta Aggregates, Ashland Oil, Inc./Arkola Sand and Gravel Co., Mac Aquisitions LP DBA Meridian Aggregates Co., Sweetman Construction Co., and Minnesota Mining & Manufacturing Co.

Slate.—The 1995 output of crushed slate decreased 9.9% to 2.5 million tons valued at $21.1 million. *(See table 2.)* Crushed slate was produced by 16 companies at 17 quarries in 11 States. Most crushed slate is produced in North Carolina.

Leading producers, in order of tonnage, were Martin Marietta Aggregates, Mariposa Aggregates Co., and Solite Corp.

Volcanic Cinder and Scoria.—Production of volcanic cinder and scoria decreased in 1995 3.1% to 1.9 million tons valued at $12.0 million. *(See table 2.)* Volcanic cinder and scoria were produced by 22 companies from 27 operations with 76 quarries in 12 States. Leading States, in order of volume, were California, Washington, and New Mexico; their combined production accounted for 39.2% of the total U.S. output. *(See table 11.)* Leading producers, in order of tonnage, were 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 22.8% to 22.3 million tons valued at $133.7 million. *(See table 2.)* Miscellaneous stone was produced by 80 companies from 92 operations with 130 quarries in 26 States. Leading States, in order of volume, were California, Pennsylvania, and Alaska; their combined production accounted for 46.5% 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. Therefore, the "sold or used" tonnage 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 with "Other unspecified uses, actual." The estimated production of nonrespondents is included with "Other unspecified uses, estimated."

In 1995, U.S. consumption of crushed stone was 1.26 billion tons valued at $6.6 billion, a 3.1% increase compared with 1994. Of the 1.26 billion tons of crushed stone consumed in 1995, 491.8 million tons or 38.9% of the total was unspecified uses—actual and estimated. Of the remaining 772.6 million tons, about 82.5% was used as construction aggregates, mostly for highway and road construction and maintenance; 14% for chemical and metallurgical uses, including cement and lime manufacture; 2% for agricultural uses; and 1.5% 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 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 804.3 million tons of crushed limestone consumed, 301.9 million tons or 37.5% was "Unspecified uses—actual and estimated." Of the remaining 502.3 million tons of crushed limestone reported by uses by the producers, 75.8% was used as construction aggregates, 19.9% for chemical and metallurgical uses including cement and lime manufacturing, 2.5% for agricultural purposes, and 1.8% for special uses and products. *(See table 14.)*

Dolomite.—Of the 93.1 million tons of crushed dolomite consumed, 25.8 million tons or 27.7% was "Unspecified uses—actual and estimated." Of the remaining 67.3 million tons of crushed dolomite reported by uses by the producers, 90% was used as construction aggregates, 5% for chemical and metallurgical uses, 3% for agricultural purposes, and 2% 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 million tons of crushed marble consumed, 3.4 million tons or 56.6% was reported as "Other unspecified uses—actual and estimated." Of the remaining 2.6 million tons

of crushed marble reported by uses by the producers, 1.4 million tons or 54.4% was used as construction aggregates, 971,000 tons or 37.5% was used as miscellaneous uses, including fillers and extenders, 145,000 tons or 5.6% was used as agricultural uses, and 66,000 tons or 2.6% was used for chemical and metallurgical purposes. *(See table 16.)*

Calcareous Marl.—Of the 4.6 million tons of crushed calcareous marl consumed, 1.2 million tons or 26% was reported as "Other unspecified uses—actual and estimated." Of the remaining 3.4 million tons of crushed marl reported by uses by the producers, 81.2% was used for cement manufacturing, and most of the remaining 18.8% as construction aggregates and for agricultural purposes.

Shell.—Of the 2.3 million tons of crushed shell consumed, 995,400 tons or 4.3% was reported as "Other unspecified uses—actual and estimated." Of the remaining 1.3 million tons of crushed shell reported by uses by the producers, 82.6% was used as construction aggregates, and 15.9% for cement manufacturing.

Granite.—Of the 193.8 million tons of crushed granite consumed, 85.4 million tons or 44% was reported as "Other unspecified uses—actual or estimated." Most of the remaining 107.8 million tons of crushed granite reported by uses by the producers was used as construction aggregates—99.5%. *(See table 17.)*

Traprock.—Of the 100.9 million tons of crushed traprock consumed, 37 million tons or 36.7% was reported as "Other unspecified uses—actual or estimated." Most of the remaining 63.8 million tons of crushed traprock reported by uses by the producers was used as construction aggregates. *(See table 17.)*

Sandstone and Quartzite.—Of the 28.7 million tons of crushed sandstone consumed, 15.1 million tons or 52.6% was reported as "Other unspecified uses—actual or estimated." Most of the remaining 13.6 million tons of crushed sandstone reported by uses by the producers, were used as construction aggregates. *(See table 18.)*

Of the 7.4 million tons of crushed quartzite consumed, 3.2 million tons or 43% was reported as "Other unspecified uses—actual or estimated." Most of the remaining 4.2 million tons of crushed quartzite reported by uses by the producers was used as construction aggregates. *(See table 18.)*

Volcanic Cinder and Scoria.—Of the 1.9 million tons of volcanic cinder and scoria consumed, 765,000 tons or 40.8% was reported as "Other unspecified uses—actual or estimated." Most of the remaining 1.1 million tons of crushed volcanic cinder and scoria reported by uses by the producers was used as construction aggregates. *(See table 19.)*

Miscellaneous Stone.—Of the 31.7 million tons of miscellaneous crushed stone consumed, 20.9 million tons or 66.1% was reported as "Other unspecified uses—actual or estimated." Of the remaining 10.7 million tons reported by uses by the producers, 68.5% was used as construction aggregates and 27.5% was used for cement manufacturing. *(See table 19.)*

Recycling

As the recycling of most waste materials and especially construction materials increases, aggregates producers are starting to recycle cement concrete and asphalt concrete materials recovered from construction projects and produce concrete aggregates and asphalt aggregates. The annual survey of crushed stone producers started to collect information on recycling of cement concrete and asphalt concrete, and the results are published for the first time in this annual report.

Asphalt Concrete.—A total of 1.6 million tons of asphalt concrete valued at $7.9 million was recycled by 62 companies in 26 States. This volume represents a 91.6% increase compared with 1994. *(See tables 20 and 21.)* Leading States, in descending order of tonnage recycled, were Texas, New Jersey, Massachusetts, and Pennsylvania. Leading companies, in order of volume were Redland Stone Products Co., Mount Hope Rock Products, Inc., and Bardon Group, Inc.

Cement Concrete.—A total of 887,000 tons of cement concrete valued at $11.2 million was recycled by 35 companies in 17 States. This volume represents a 141% increase compared with 1994. *(See tables 20 and 22.)* Leading States, in descending order of tonnage recycled, were Washington, New Jersey, and South Dakota. Leading companies, in order of volume produced, were Stoneway Concrete, Inc.; Myrl and Roys Paving, Inc.; and Stone Industries, 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 1995 average unit price per ton of crushed stone, $5.36, represented a 1.2% decrease from 1994. By kind of stone, the average unit prices showed modest changes, mostly decreases. The only increases in average unit prices were 7.4% for shell, 6.1% for volcanic cinder and scoria, and 0.9% for sandstone and quartzite. *(See table 2.)*

Transportation

For 511.5 million tons or 40.5% of the total 1.26 billion tons of crushed stone produced for consumption in 1995, no means of transportation was reported by the producers. Of the remaining 752.9 million tons of crushed stone, 552.3 million tons or 73.4% was reported as transported by truck from the processing plant or quarry to the first point of sale or use, 6% was transported by rail, and 7.2% by waterway. About 10.2% of the total production was reported as not transported and therefore used on-site. Information regarding means of transportation used by the producers to ship crushed stone in each geographic region is also provided. *(See table 23.)*

Foreign Trade

The widespread distribution of domestic crushed stone deposits and the high cost of transportation limits foreign trade mostly to local transactions across international boundaries. U.S. imports and exports are small, representing less than 0.5% of the domestic consumption. However, shipments of crushed stone by water from Canada and especially Mexico are increasing.

Exports.—Exports of crushed stone increased 6.5% to 6 million tons compared with that of 1994, while value increased 3.1% to $39.3 million. About 94.5% of the exported crushed stone was limestone, Canada being the major destination with 88.8% of the total crushed stone. *(See table 25.)*

Imports.—Imports of crushed stone increased 21.5% to 10.9 million tons compared with that of 1994, while the value increased 18% to $91.9 million. About 88.9% of the imported crushed stone was limestone. Imports of natural calcium carbonate fines increased from 5,000 tons to 7,000. *(See table 26.)*

Shipments of crushed stone from The Bahamas, Canada, and Mexico into the United States continued in 1995. 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, is expected to increase.

Outlook

The demand for crushed stone in 1996 is expected to be about 1.3 billion tons, a 3% increase compared with that of 1995. Gradual increases in demand for construction aggregates are anticipated after 1996 as well, based on the volume of work on the infrastructure that is being financed by the Intermodal Surface Transportation Efficiency Act of 1991, the National Highway System Designation Act of 1995, 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 sector.

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

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TABLE 1
SALIENT U.S. CRUSHED STONE STATISTICS 1/

(Thousand metric tons and thousand dollars)

		1991	1992	1993	1994	1995
Sold or used by producers:						
Quantity 2/		997,000	1,050,000	1,120,000 r/	1,230,000	1,260,000
Value 2/		$5,140,000	$5,590,000 e/	$5,930,000 r/	$6,620,000	$6,750,000
Exports	value	$33,000	$43,400	$39,300	$38,100	$39,300
Imports 3/	do.	$38,600	$60,700	$74,300	$77,800	$91,900

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/

	1994				1995			
Kind	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Unit value	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Unit value
Limestone 2/	2,070	790,000 r/	$3,970,000 r/	$5.03 r/	2,010	804,000	$4,010,000	$4.99
Dolomite	182 r/	94,100 r/	486,000 r/	5.16 r/	182	93,100	480,000	5.16
Marble	47 r/	5,610 r/	50,700 r/	9.04 r/	42	5,960	52,400	8.79
Calcareous marl	16	4,750 r/	28,000 r/	5.89 r/	14	4,570	15,100	3.30
Shell	11	1,790	10,300	5.75	11	2,320	14,300	6.16
Granite	414 r/	182,000 r/	1,150,000 r/	6.32 r/	365	194,000	1,220,000	6.29
Traprock	597 r/	93,000 r/	591,000 r/	6.35 r/	589	101,000	588,000	5.82
Sandstone and quartzite	231 r/	32,100 r/	194,000 r/	6.04 r/	248	32,700	199,000	6.09
Slate	15	2,730	18,900	6.92	17	2,460	21,100	8.58
Volcanic cinder and scoria	131 r/	1,940 r/	11,700 r/	6.03 r/	76	1,880	12,000	6.38
Miscellaneous stone	189 r/	18,200 r/	111,000 r/	6.10 r/	130	22,300	134,000	6.01
Total	XX	1,230,000	6,620,000	5.38	XX	1,260,000	6,750,000	5.36

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.

TABLE 3
CRUSHED STONE 1/ SOLD OR USED IN THE UNITED STATES, BY REGION 2/

(Thousand metric tons and thousand dollars)

	1994		1995	
Region/Division	Quantity	Value	Quantity	Value
Northeast:				
New England	26,100	207,000	28,500	206,000
Middle Atlantic	136,000	854,000	141,000	828,000
Midwest:				
East North Central	228,000 r/	1,040,000	235,000	1,070,000
West North Central	150,000	758,000	146,000	735,000
South:				
South Atlantic	293,000	1,750,000	301,000	1,810,000
East South Central	140,000	697,000	144,000	702,000
West South Central	130,000	572,000	142,000	649,000
West:				
Mountain	35,700 r/	199,000	35,300	199,000
Pacific	86,800 r/	547,000 r/	91,900	554,000
Total	1,230,000	6,620,000	1,260,000	6,750,000

r/ Revised.

1/ Includes volcanic cinder and scoria.

2/ Data are rounded to three significant digits; may not add to totals shown.

TABLE 4
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1995,
BY QUARTER AND REGION 1/

Region/Division	Quantity 1st quarter (thousand metric tons)	Percent change 2/	Quantity 2d quarter (thousand metric tons)	Percent change 2/	Quantity 3d quarter (thousand metric tons)	Percent change 2/	Quantity 4th quarter (thousand metric tons)	Percent change 2/	Total 3/ (thousand metric tons)	Value total 3/ (thousands)
Northeast:										
New England	2,100	103.8	10,400	37.5	10,800	17.2	8,400	1.4	31,700	$262,000
Middle Atlantic	18,300	56.7	39,300	1.4	43,000	-7.7	30,800	-20.7	131,000	840,000
Midwest:										
East North Central	28,700	15.0	63,800	-3.3	76,400	6.8	60,600	-8.0	230,000	1,020,000
West North Central	25,400	4.1	37,300	-8.6	46,700	-1.1	35,900	-5.2	145,000	741,000
South:										
South Atlantic	61,300	15.4	80,200	2.3	83,000	1.7	70,600	-6.5	295,000	1,810,000
East South Central	25,800	8.7	35,100	-6.5	39,100	-5.4	33,600	-9.7	134,000	672,000
West South Central	30,700	9.3	36,500	15.2	39,100	8.6	35,000	10.3	141,000	618,000
West:										
Mountain	5,700	-11.1	9,200	-3.3	11,000	1.2	9,000	4.7	35,000	201,000
Pacific 4/	17,700	11.8	23,300	22.4	27,900	34.7	21,300	6.9	90,200	533,000
Total 5/	216,000	14.0	335,000	1.8	377,000	3.3	305,000	-5.7	1,260,000	6,920,000

1/ As published in the "Crushed Stone and Sand and Gravel in the Fourth Quarter of 1995 Mineral Industry Survey."
2/ All percentage changes are calculated using unrounded totals. Percentage changes are from the previous year's corresponding quarter.
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	1994 Quantity (thousand metric tons)	1994 Value (thousands)	1994 Unit value	1995 Quantity (thousand metric tons)	1995 Value (thousands)	1995 Unit value
Alabama	32,500	$164,000	$5.07	33,600	$174,000	$5.19
Alaska 3/	3,870	24,100	6.24	3,320 4/	20,400 4/	6.15
Arizona	4,970	25,000	5.03	5,520	32,600	5.91
Arkansas	20,800 5/ 6/	122,000 5/ 6/	5.83	25,500	169,000	6.64
California	41,100	258,000	6.29	43,700 5/ 7/	268,000 5/ 7/	6.14
Colorado	8,260 r/ 6/ 8/	52,300 r/ 6/ 8/	6.33 r/	9,000	58,500	6.50
Connecticut	5,710	43,900 r/ 5/	7.68 r/	6,070 5/ 9/	45,500 5/ 9/	7.50
Florida	66,300 r/ 10/	343,000	5.18 r/	68,000	350,000	5.14
Georgia	54,600	331,000	6.07	60,600	373,000	6.14
Hawaii	8,170	82,300	10.08	7,450 11/ 12/	73,500 11/ 12/	9.87
Idaho	4,160	20,300	4.89	3,210 12/	14,000 12/	4.36
Illinois	62,600 r/	353,000 r/	5.64	61,400	335,000	5.46
Indiana	45,900	211,000	4.61	49,200	234,000 13/	4.76
Iowa	36,600 12/	211,000 r/	5.77 r/	35,300	210,000	5.96
Kansas	21,500	103,000	4.82	20,400	95,800	4.69
Kentucky	56,300	259,000	4.61	54,700	230,000	4.20
Louisiana	707 7/ 12/	7,710 7/ 12/	10.91	2,540 7/ 12/	26,700 7/ 12/	10.50
Maine	2,740	15,500	5.65	3,110	16,100	5.17
Maryland	23,200 r/ 12/ 14/	157,000 r/ 12/ 14/	6.75 r/	24,200	158,000	6.54
Massachusetts	10,400 r/ 4/ 5/	96,800 r/ 4/ 5/	9.30 r/	11,100	97,400	8.77
Michigan	35,000	113,000	3.23	37,500	127,000	3.38
Minnesota	10,900	47,100	4.33	11,300 6/ 9/	47,400 6/ 9/	4.19
Mississippi	1,900	7,500	3.95	1,990 10/	8,010 10/	4.03
Missouri	68,900	330,000	4.80	65,700 15/	305,000 15/	4.64
Montana	2,320	8,830	3.80	2,370 9/	9,920 9/	4.19
Nebraska	6,890	41,600	6.04	6,590	41,800	6.34
Nevada	2,310	20,600	8.93	2,410	21,400	8.90
New Hampshire	1,390 16/	7,470 16/	5.39	2,150 16/	9,150 16/	4.25
New Jersey	19,800	154,000	7.80	21,000	132,000	6.28
New Mexico	3,550 6/ 9/	20,000 6/ 9/	5.62	3,660	18,800	5.12
New York	39,400	239,000	6.05	39,500	204,000	5.15
North Carolina	53,900	351,000	6.51	57,300	384,000	6.69
Ohio	56,400	251,000	4.45	60,900	265,000	4.35
Oklahoma	29,900	125,000	4.18	31,100 7/	125,000 6/ 7/	4.02
Oregon	18,900	90,100	4.76	20,700	95,700	4.63
Pennsylvania	76,700	462,000	6.02	80,900	492,000	6.09
Rhode Island	1,610	12,200	7.58	1,250	9,140	7.30
South Carolina	20,500 r/	131,000 r/	6.40 r/	22,000	132,000	5.98
South Dakota	5,490 r/ 12/	24,500 r/ 12/	4.46 r/	5,420 12/ 15/	25,700 12/ 15/	4.74
Tennessee	49,200	265,000	5.39	52,600	286,000	5.43
Texas	76,100	300,000	3.95	81,100	310,000	3.82
Utah	4,540	19,800	4.37	4,140	14,800	3.58
Vermont	4,170	23,700	5.68	4,420	20,700	4.68
Virginia	56,700	327,000	5.77	55,400	326,000	5.89
Washington	14,700 r/	91,900 r/	6.24 r/	15,800 4/ 14/	76,800 4/ 14/	4.85
West Virginia	12,300 5/	99,300	8.10	11,800 5/	75,000 5/	6.38
Wisconsin	28,600 r/	115,000 r/ 9/	4.01	26,000	108,000	4.16
Wyoming	5,040 r/	29,700 r/	5.90 r/	4,670	27,500	5.88
Other	8,770 r/	31,900 r/	3.64 r/	6,620	69,300	10.47
Total	1,230,000	6,620,000	5.40	1,260,000	6,750,000	5.36
r/ Revised.				6,620		

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.

4/ Excludes limestone-dolomite.

5/ Excludes dolomite.

6/ Excludes traprock.

7/ Excludes shell.

8/ Excludes volcanic cinder.

9/ Excludes quartzite.

10/ Excludes calcareous marl.

11/ Excludes sandstone.

12/ Excludes other.

13/ Excludes slate.

14/ Excludes marble.

15/ Excludes granite.

16/ Excludes limestone.

TABLE 6
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1995,
BY QUARTER AND STATE 1/

State	Quantity 1st quarter (thousand metric tons)	Percent change 2/	Quantity 2d quarter (thousand metric tons)	Percent change 2/	Quantity 3d quarter (thousand metric tons)	Percent change 2/	Quantity 4th quarter (thousand metric tons)	Percent change 2/	Total 3/ (thousand metric tons)	Value total 3/ (thousands)
Alabama	7,000	3.3	8,600	2.6	8,900	0.4	7,700	-9.3	32,200	$164,000
Alaska 4/	--	--	--	--	--	--	--	--	4,000	25,000
Arizona 5/	--	--	--	--	--	--	--	--	5,700	29,000
Arkansas 6/	4,300	14.5	5,500	2.8	6,000	-8.4	5,100	0.4	20,900	124,000
California	8,400	-12.8	12,000	20.4	16,100	50.4	11,900	9.6	48,400	310,000
Colorado	1,300	-5.7	1,900	-24.3	2,800	3.6	2,200	11.7	8,200	51,300
Connecticut	400	126.3	1,900	29.0	2,000	-6.2	1,600	-15.8	5,900	53,100
Delaware 4/	--	--	--	--	--	--	--	--	--	--
Florida	17,900	14.2	16,700	-2.2	15,700	-12.1	15,500	-5.5	65,800	339,000
Georgia	12,600	16.6	16,100	11.6	16,700	10.9	14,000	-2.2	59,400	371,000
Hawaii 4/	--	--	--	--	--	--	--	--	8,500	85,000
Idaho 6/	500	-44.2	1,000	-9.3	1,500	35.5	1,000	-2.6	4,000	19,400
Illinois 6/	7,100	1.4	14,700	-17.1	19,400	-3.2	15,900	-10.6	57,100	326,000
Indiana	7,600	17.3	12,900	-3.0	15,800	20.0	13,400	4.0	49,700	236,000
Iowa 6/	5,000	3.1	10,300	-4.3	11,700	1.5	8,300	-11.7	35,300	207,000
Kansas	4,000	-1.2	5,100	-9.2	6,100	-11.1	5,000	2.9	20,200	98,000
Kentucky	9,400	5.9	11,400	-27.6	14,000	-16.6	12,800	-14.0	47,600	221,000
Louisiana 5/ 6/	--	--	--	--	--	--	--	--	600	6,300
Maine	300	30.6	700	-0.2	1,000	7.6	800	1.3	2,800	16,000
Maryland 6/	4,200	36.9	6,500	-2.4	6,800	-6.2	5,400	-23.9	22,900	156,000
Massachusetts	900	241.6	5,600	63.8	5,000	41.6	4,000	22.6	15,500	146,000
Michigan	2,600	29.8	11,800	19.8	13,000	13.9	10,400	-11.7	37,800	130,000
Minnesota	500	-12.3	3,100	1.9	4,400	1.6	3,000	1.6	11,000	48,400
Mississippi 5/	--	--	--	--	--	--	--	--	2,100	8,600
Missouri	15,000	11.2	15,400	-10.4	19,900	-0.2	16,900	-7.9	67,200	326,000
Montana	500	44.4	400	-46.0	500	-24.9	500	-0.5	1,900	7,400
Nebraska	1,200	-7.4	1,600	-17.9	2,100	-3.2	1,400	1.1	6,300	37,800
Nevada	600	1.0	600	-32.0	600	197.8	700	20.4	2,500	22,600
New Hampshire 6/	100	37.0	500	31.2	700	39.4	500	5.1	1,800	9,900
New Jersey	2,900	97.9	5,300	-4.4	5,300	-12.9	4,600	-30.7	18,100	143,000
New Mexico 6/	700	5.0	800	-13.8	1,300	10.8	1,000	23.9	3,800	21,800
New York	3,500	33.7	10,200	-10.8	13,600	-10.7	8,900	-11.4	36,200	217,000
North Carolina	10,600	10.4	15,100	1.8	16,700	7.8	13,900	-0.4	56,300	374,000
North Dakota 4/	--	--	--	--	--	--	--	--	--	--
Ohio	7,900	16.7	16,400	-3.9	18,200	5.3	13,700	-9.8	56,200	217,000
Oklahoma	6,800	0.9	8,400	23.2	9,200	8.2	8,100	3.4	32,500	143,000
Oregon	4,900	50.3	6,100	28.9	6,200	10.4	5,500	4.2	22,700	111,000
Pennsylvania	12,100	57.0	24,100	10.2	24,000	-4.3	17,200	-22.2	77,400	480,000
Rhode Island 5/	--	--	--	--	--	--	--	--	1,500	11,400
South Carolina 6/	4,700	10.6	5,900	5.6	5,600	6.0	5,200	6.6	21,400	140,000
South Dakota 6/	500	-6.8	1,500	-17.2	1,900	15.9	1,400	-0.6	5,300	23,900

See footnotes at end of table.

TABLE 6 --CONTINUED
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1995,
BY QUARTER AND STATE 1/

State	Quantity 1st quarter (thousand metric tons)	Percent change 2/	Quantity 2d quarter (thousand metric tons)	Percent change 2/	Quantity 3d quarter (thousand metric tons)	Percent change 2/	Quantity 4th quarter (thousand metric tons)	Percent change 2/	Total 3/ (thousand metric tons)	Value total 3/ (thousands)
Tennessee	8,600	16.4	14,000	6.7	15,400	0.7	12,500	-6.5	50,500	$278,000
Texas	18,900	8.1	21,600	10.4	22,800	10.8	20,800	12.2	84,100	345,000
Utah	900	-26.6	1,100	39.6	1,300	-11.9	1,100	2.3	4,400	19,400
Vermont 5/	--	--	--	--	--	--	--	--	4,400	25,500
Virginia	9,700	17.8	15,800	-4.3	16,400	-1.0	13,100	-15.1	55,000	322,000
Washington	4,700	72.6	5,400	19.6	5,500	22.0	3,800	0.8	19,400	112,000
West Virginia 6/	2,000	7.8	3,600	15.2	4,300	-0.3	2,700	-10.5	12,600	103,000
Wisconsin 6/	3,200	32.3	7,300	-7.6	9,800	-4.1	6,600	-17.5	26,900	109,000
Wyoming	500	-2.1	1,800	23.8	1,600	-10.1	1,200	-12.1	5,100	30,300
Other	--	--	--	--	--	--	--	--	9,500	40,400
Total 3/	XX	XX	XX	XX	XX	XX	XX	XX	1,260,000	6,920,000

XX Not applicable.

1/ As published in the "Crushed Stone and Sand and Gravel in the Fourth Quarter of 1995 Mineral Industry Survey."

2/ All percentage change are calculated using unrounded totals. Percentage changes are from the previous year's corresponding quarter.

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/ Due 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 1995,
BY REGION AND SIZE OF OPERATION 1/

Size range (metric tons)	Northeast				Midwest				South			
	Number of operations	Percent of total	Quantity (thousand metric tons)	Percent of total	Number of operations	Percent of total	Quantity (thousand metric tons)	Percent of total	Number of operations	Percent of total	Quantity (thousand metric tons)	Percent of total
Less than 25,000	51	11.0	437	--	194	17.0	1,790	--	57	5.0	529	--
25,000 to 49,999	17	3.0	582	--	101	9.0	3,480	--	44	4.0	1,490	--
50,000 to 99,999	39	9.0	2,630	1.0	145	13.0	9,510	2.0	87	8.0	5,890	1.0
100,000 to 199,999	56	13.0	7,660	4.0	171	15.0	22,500	5.0	116	11.0	15,300	2.0
200,000 to 299,999	52	12.0	11,700	6.0	107	9.0	24,400	6.0	81	8.0	18,300	3.0
300,000 to 399,999	51	11.0	16,300	9.0	74	6.0	23,700	6.0	78	8.0	24,500	4.0
400,000 to 499,999	40	9.0	16,300	9.0	60	5.0	24,700	6.0	79	8.0	32,500	5.0
500,000 to 599,999	22	5.0	10,900	6.0	41	3.0	20,400	5.0	73	7.0	36,500	6.0
600,000 to 699,999	22	5.0	12,900	7.0	30	2.0	17,700	4.0	52	5.0	30,900	5.0
700,000 to 799,999	17	3.0	11,600	6.0	30	2.0	20,300	5.0	49	5.0	33,000	5.0
800,000 to 899,999	12	2.0	9,290	5.0	22	2.0	16,900	4.0	32	3.0	24,900	4.0
900,000 to 999,999	13	3.0	11,400	6.0	26	2.0	22,300	5.0	30	3.0	25,800	4.0
1,000,000 to 1,499,999	23	5.0	25,100	14.0	56	5.0	58,800	15.0	107	10.0	121,000	20.0
1,500,000 to 1,999,999	6	1.0	9,310	5.0	20	1.0	30,700	8.0	50	5.0	76,400	13.0
2,000,000 to 2,499,999	6	1.0	12,000	7.0	10	--	19,800	5.0	16	1.0	32,500	5.0
2,500,000 to 4,999,999	4	--	12,000	7.0	11	1.0	34,600	9.0	21	2.0	60,900	10.0
5,000,000 and over	--	--	--	--	5	--	29,400	7.0	6	--	46,200	7.0
Total	431	100.0	170,000	100.0	1,100	100.0	381,000	100.0	978	100.0	586,000	100.0

Size range (metric tons)	West				U.S. total			
	Number of operations	Percent of total	Quantity (thousand metric tons)	Percent of total	Number of operations	Percent of total	Quantity (thousand metric tons)	Percent of total
Less than 25,000	183	30.0	1,520	1.0	485	15.0	4,280	--
25,000 to 49,999	70	11.0	2,330	1.0	232	7.0	7,890	--
50,000 to 99,999	98	16.0	6,530	5.0	369	11.0	24,600	1.0
100,000 to 199,999	85	14.0	11,100	8.0	428	13.0	56,500	4.0
200,000 to 299,999	40	6.0	9,090	7.0	280	9.0	63,500	5.0
300,000 to 399,999	25	4.0	7,790	6.0	228	7.0	72,200	5.0
400,000 to 499,999	23	3.0	9,170	7.0	202	6.0	82,700	6.0
500,000 to 599,999	17	2.0	8,330	6.0	153	4.0	76,100	6.0
600,000 to 699,999	11	1.0	6,410	5.0	115	3.0	67,900	5.0
700,000 to 799,999	11	1.0	7,440	5.0	107	3.0	72,300	5.0
800,000 to 899,999	6	1.0	4,760	3.0	72	2.0	55,900	4.0
900,000 to 999,999	3	--	2,570	2.0	72	2.0	62,000	4.0
1,000,000 to 1,499,999	11	1.0	11,700	9.0	197	6.0	216,000	17.0
1,500,000 to 1,999,999	9	1.0	14,300	11.0	85	2.0	131,000	10.0
2,000,000 to 2,499,999	4	--	8,130	6.0	36	1.0	72,400	5.0
2,500,000 to 4,999,999	5	--	16,100	12.0	41	1.0	124,000	9.0
5,000,000 and over	--	--	--	--	11	--	75,700	6.0
Total	601	100.0	127,000	100.0	3,110	100.0	1,260,000	100.0

1/ Data are rounded to three significant digits; may not add to totals shown.

TABLE 8
CRUSHED LIMESTONE AND DOLOMITE SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1995, BY STATE 1/

(Thousand metric tons and thousand dollars)

State	Limestone		Dolomite	
	Quantity	Value	Quantity	Value
Alabama	29,500 2/	151,000 2/	W	W
Alaska 3/	W 2/	W 2/	--	--
Arizona	W	W	--	--
Arkansas	6,890	53,700	W	W
California	23,200	131,000	237	1,920
Colorado	2,600	15,300	--	--
Connecticut	W	W	W	W
Florida	64,700 2/	333,000 2/	1,120	7,010
Georgia	7,360 2/	46,000 2/	--	--
Hawaii	1,190	10,300	--	--
Idaho	873	3,380	--	--
Illinois	48,000 2/	264,000 2/	13,400	71,200
Indiana	42,400 2/	201,000 2/	6,760	33,500
Iowa	35,200 2/	210,000 2/	W	W
Kansas	20,400 2/	95,600 2/	--	--
Kentucky	55,500 2/	234,000 2/	--	--
Maine	1,590	7,910	--	--
Maryland	15,500	105,000	--	--
Massachusetts	2,070 2/	W 2/	W	W
Michigan	29,200	97,500	8,110	28,700
Minnesota	7,500	32,500	W	2,420
Mississippi	W	W	--	--
Missouri	63,000 2/	292,000 2/	2,560	12,900
Montana	1,960	8,300	--	--
Nebraska	6,590	41,800	--	--
Nevada	W	13,300	W	W
New Hampshire	W	W	--	--
New Jersey	W	W	--	--
New Mexico	1,640 2/	6,180 2/	--	--
New York	27,000 2/	134,000 2/	6,310	41,700
North Carolina	W	W	265	1,820
Ohio	46,000 2/	206,000 2/	14,900	58,800
Oklahoma	21,800	88,800	3,740	15,700
Oregon	W	W	--	--
Pennsylvania	46,000 2/	271,000 2/	16,000	100,000
Rhode Island	W	W	--	--
South Carolina	W	14,000	--	--
South Dakota	2,680	9,550	--	--
Tennessee	46,400	254,000	W	W
Texas	76,100	291,000	W	W
Utah	2,080 2/	8,860 2/	W	W
Vermont	2,220	8,380	W	W
Virginia	15,800 2/	89,600 2/	3,650	28,100
Washington	1,230 2/	19,300 2/	W	W
West Virginia	10,800	68,800	W	W
Wisconsin	20,100 2/	84,300 2/	W	W
Wyoming	1,550 2/	6,430 2/	--	--
Other	17,900 2/	104,000 2/	16,000	76,300
Total	804,000 2/	4,010,000 2/	93,100	480,000

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

TABLE 9
CRUSHED CALCAREOUS MARL AND MARBLE SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1995, BY STATE 1/

(Thousand metric tons and thousand dollars)

State	Calcareous marl		Marble	
	Quantity	Value	Quantity	Value
Alabama	--	--	816	W
New York	--	--	98	1,850
Pennsylvania	--	--	433	2,840
Wyoming	--	--	90	3,110
Other	4,570 2/	15,100 2/	4,520 3/	44,600 3/
Total	4,570	15,100	5,960	52,400

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 data for Florida, Georgia, Maine, Michigan, Mississippi, North Carolina, South Carolina, and Texas.
3/ Includes data for Arizona, California, Georgia, Maryland, Michigan, South Carolina, Texas, Vermont, and Washington.

TABLE 10
CRUSHED GRANITE, TRAPROCK, AND SANDSTONE AND QUARTZITE SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1995, 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/	24	100	1,030	3,230	--	--
Arizona	1,760	9,880	--	--	W	W
Arkansas	10,100	75,700	W	W	5,970	28,500
California	4,720	25,200	7,390	52,900	864	5,810
Colorado	5,040	33,500	W	W	W	W
Connecticut	172	1,530	4,500	W	W	W
Florida	W	W	--	--	--	--
Georgia	51,300	315,000	--	--	W	W
Hawaii	--	--	6,230	63,100	W	W
Idaho	611	3,370	1,390	5,700	328	W
Kansas	--	--	--	--	W	W
Louisiana	--	--	--	--	W	W
Maine	W	W	W	W	W	W
Maryland	W	29,400	W	W	191	1,430
Massachusetts	3,430	31,400	5,450	42,500	--	--
Michigan	--	--	13	26	W	W
Minnesota	W	W	W	W	W	W
Missouri	W	W	--	--	200	442
Montana	--	--	289	W	300	1150
Nevada	W	W	W	W	--	--
New Hampshire	974	3,510	1,180	5,640	--	--
New Jersey	8,690	67,800	9,950	48,900	W	W
New Mexico	W	W	W	213	W	W
New York	4,230	13,100	W	W	752	4,160
North Carolina	43,100	285,000	4,540	30,600	W	W
Ohio	--	--	--	--	W	W
Oklahoma	W	W	1,490	W	W	W
Oregon	47	234	18,300	84,500	380	1,960
Pennsylvania	2,660	19,400	5,100	36,800	5,230	33,200
Rhode Island	812	5,380	W	W	--	--
South Carolina	16,600	109,000	--	--	--	--
South Dakota	W	W	--	--	2,740	16,200
Tennessee	W	W	--	--	W	W
Texas	W	W	W	W	1,100	W
Utah	--	--	--	--	W	W
Vermont	48	W	--	--	W	W
Virginia	21,100	119,000	12,600	73,200	1,390	7,310
Washington	270	1,100	12,100	47,000	W	3,300
West Virginia	--	--	--	--	934	6,170
Wisconsin	1,210	3,110	W	W	W	W
Wyoming	W	W	--	--	W	W
Other	16,800	69,800	9,420	93,500	12,400	89,800
Total	194,000	1,220,000	101,000	588,000	32,700	199,000

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.

TABLE 11
CRUSHED VOLCANIC CINDER AND SCORIA AND CRUSHED MISCELLANEOUS STONE 1/ SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1995, 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/	--	--	2,270	17,100
Arizona	135	416	W	W
Arkansas	--	--	W	W
California	332	2,060	6,950	49,700
Colorado	W	W	W	W
Florida	--	--	1,670	6,760
Georgia	--	--	W	W
Hawaii	W	166	W	W
Idaho	--	--	W	W
Indiana	--	--	74	W
Iowa	--	--	W	W
Louisiana	--	--	W	W
Maine	--	--	258	1,430
Massachusetts	--	--	W	W
Michigan	--	--	W	W
Mississippi	--	--	W	W
Montana	6	16	--	--
Nevada	W	W	W	W
New Jersey	--	--	W	W
New Mexico	197	1,770	W	W
New York	--	--	W	W
North Carolina	W	W	W	W
Oklahoma	--	--	W	416
Oregon	35	221	963	3,880
Pennsylvania	--	--	5,500	28,800
Rhode Island	--	--	76	668
South Carolina	--	--	W	W
South Dakota	--	--	W	W
Tennessee	--	--	W	W
Texas	W	W	2,140	4,870
Vermont	--	--	W	W
Virginia	--	--	894	8,840
Washington	207	1,190	802	3,440
Wyoming	W	W	11	67
Other	965	6,140	10,100	58,300
Total	1,880	12,000	31,700	184,000

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.

TABLE 12
KIND OF CRUSHED STONE PRODUCED IN THE UNITED STATES IN 1995, BY STATE

State	Lime-stone	Dolo-mite	Marble	Marl	Shell	Granite	Trap-rock	Sand-stone	Quartzite	Slate	Volcanic cinder and scoria	Miscella-neous
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			
Florida	X	X		X	X	X						
Georgia	X		X	X		X			X			
Hawaii	X						X	X			X	X
Idaho	X				X	X	X		X			X
Illinois	X	X										
Indiana	X	X								X		
Iowa	X	X										X
Kansas	X							X	X			
Kentucky	X											
Louisiana					X			X				X
Maine	X			X		X	X		X	X		X
Maryland	X		X			X	X	X				
Massachusetts	X	X				X	X					X
Michigan	X	X	X	X	X		X	X				X
Minnesota	X	X				X	X	X	X			
Mississippi	X			X								
Missouri	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		
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					X
South Carolina	X		X	X		X						
South Dakota	X					X			X			X
Tennessee	X	X				X		X				X
Texas	X	X	X	X		X	X	X			X	X
Utah	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				
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 1995, BY USE 1/

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Coarse aggregate (+1 1/2 inch):			
Macadam	3,480	$16,900	$4.84
Riprap and jetty stone	22,600	119,000	5.27
Filter stone	6,630	37,800	5.70
Other coarse aggregate	6,300	35,600	5.65
Coarse aggregate, graded:			
Concrete aggregate, coarse	101,000	565,000	5.61
Bituminous aggregate, coarse	84,700	480,000	5.67
Bituminous surface-treatment aggregate	19,500	127,000	6.52
Railroad ballast	15,200	80,300	5.30
Other graded coarse agggregate	21,200	145,000	6.85
Fine aggregate (-3/8 inch):			
Stone sand, concrete	13,000	79,000	6.10
Stone sand, bituminous mix or seal	22,100	108,000	4.89
Screening, undesignated	31,500	151,000	4.80
Other fine aggregate	6,000	33,200	5.54
Coarse and fine aggregates:			
Graded road base or subbase	173,000	773,000	4.48
Unpaved road surfacing	31,300	143,000	4.57
Terrazzo and exposed aggregate	1,760	18,000	10.20
Crusher run or fill or waste	44,800	191,000	4.25
Other coarse and fine aggregates	18,900	109,000	5.77
Roofing granules	1,760	18,200	10.40
Other construction materials 2/	13,700	85,000	6.22
Agricultural:			
Agricultural limestone	12,800	78,800	6.14
Poultry grit and mineral food	1,530	21,300	13.90
Other agricultural uses	736	5,110	6.94
Chemical and metallurgical:			
Cement manufacture	83,400	312,000	3.74
Lime manufacture	13,800	61,100	4.43
Dead-burned dolomite manufacture	428	1,970	4.61
Flux stone	6,030	30,300	5.02
Chemical stone	942	6,190	6.57
Glass manufacture	754	8,860	11.70
Sulfur oxide removal	2,440	13,500	5.53
Special:			
Mine dusting or acid water treatment	552	7,780	14.10
Asphalt fillers or extenders	2,300	19,800	8.62
Whiting or whiting substitute	1,040	43,900	42.10
Other fillers or extenders	4,110	114,000	27.60
Other miscellaneous uses:			
Light weight aggregate (slate)	222	4,970	22.40
Flour (slate)	W	W	45.90
Sugar refining	W	W	7.35
Other specified uses not listed 3/	3,770	32,400	8.59
Unspecified: 4/			
Actual	318,000	1,800,000	5.66
Estimated	174,000	875,000	5.02
Total	1,260,000	6,750,000	5.34

W Withheld to avoid disclosing company proprietary data; included with "Other specified uses not listed."
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 paper manufacture.
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 1995, BY USE 2/

(Thousand metric tons and thousand dollars)

Use	Limestone		Dolomite	
	Quantity	Value	Quantity	Value
Coarse aggregate (+1 1/2 inch):				
Macadam	2,360	11,000	797	3,980
Riprap and jetty stone	16,200	71,700	1,060	5,750
Filter stone	4,310	22,400	115	673
Other coarse aggregate	4,110	20,900	588	3,490
Coarse aggregate, graded:				
Concrete aggregate, coarse	64,600	331,000	8,310	42,100
Bituminous aggregate, coarse	49,200	257,000	7,770	40,700
Bituminous surface-treatment aggregate	10,500	55,500	2,300	14,700
Railroad ballast	3,670	17,200	1,990	8,630
Other graded coarse aggregate	10,600	66,200	6,170	41,600
Fine aggregate (-3/8 inch):				
Stone sand, concrete	7,320	37,500	1,320	7,890
Stone sand, bituminous mix or seal	13,800	61,400	2,060	10,600
Screening, undesignated	19,100	87,700	3,000	11,100
Other fine aggregate	3,790	19,000	1,370	9,260
Coarse and fine aggregates:				
Graded road base or subbase	108,000	438,000	11,800	54,100
Unpaved road surfacing	18,300	87,100	5,870	24,800
Terrazzo and exposed aggregate	1,010	7,610	101	580
Crusher run or fill or waste	27,600	112,000	2,270	8,670
Other coarse and fine aggregates	11,300	57,400	3,390	22,100
Roofing granules	158	1,480	--	--
Other construction materials	5,000 3/	29,100 3/	229 4/	1,420 4/
Agricultural:				
Agricultural limestone	10,800	61,000	2,000	17,800
Poultry grit and mineral food	1,390	18,900	W	W
Other agricultural uses	531	3,890	52	566
Chemical and metallurgical:				
Cement manufacture	79,900	303,000	W	W
Lime manufacture	12,600	53,800	1,160	5,930
Dead-burned dolomite manufacture	W	W	W	W
Flux stone	3,580	16,400	2,060	10,900
Chemical stone	942	6,190	--	--
Glass manufacture	598	7,030	156	1,820
Sulfur oxide removal	2,440	13,500	--	--
Special:				
Mine dusting or acid water treatment	526	7,130	W	W
Asphalt fillers or extenders	1,500	14,600	593	3,500
Whiting or whiting substitute	1,010	42,500	W	W
Other fillers or extenders	2,550	83,600	601	10,600
Other miscellaneous uses:				
Sugar refining	W	W	--	--
Other specified uses not listed	3,140 5/	23,600 5/	133	2,490
Unspecified: 6/				
Actual	186,000	998,000	19,900	88,800
Estimated	116,000	565,000	5,950	26,000
Total	804,000	4,010,000	93,100	480,000

W Withheld to avoid disclosing company proprietary data; included with "Other 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/ Includes building products, drain fields, pipe bedding, and waste material.

4/ Includes building products and drain fields.

5/ Includes paper manufacture.

6/ Includes production reported without a breakdown by end use and estimates for nonrespondents.

TABLE 15
CRUSHED LIMESTONE 1/ AND DOLOMITE SOLD OR USED BY PRODUCERS
IN 1995, 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	4,030	18,400	5,200	24,000	3,440	14,800	714	3,540	3,190	16,600
Alaska	--	--	W	W	W	W	W	W	--	--
Arizona	--	--	--	--	--	--	--	--	--	--
Arkansas	290	1,410	276	2,030	1,050	4,750	58	298	692	3,460
California	633	2,580	381	1,460	516	1,700	50	388	400	1,360
Colorado	--	--	W	W	80	619	--	--	--	--
Connecticut	W	W	W	W	W	W	--	--	--	--
Florida	10,800	74,800	4,670	25,700	11,700	36,100	222	1,110	8,920	30,100
Georgia	1,030	6,660	1,340	8,480	607	3,330	62	433	994	5,920
Hawaii	19	316	--	--	W	W	--	--	336	1,570
Idaho	--	--	--	--	--	--	--	--	--	--
Illinois	6,520	33,900	8,270	47,200	13,700	61,600	1,080	7,280	2,330	9,130
Indiana	5,680	22,100	5,870	23,600	8,680	41,400	1,310	5,800	1,930	8,780
Iowa	1,700	10,700	1,020	6,420	6,090	31,900	232	1,550	1,510	8,480
Kansas	971	6,060	1,050	6,390	2,090	9,650	59	469	1,340	6,500
Kentucky	4,300	20,200	8,470	42,300	8,240	38,000	4,210	16,600	3,250	15,100
Maine	80	658	112	W	--	--	9	W	83	W
Maryland	2,010	13,900	1,220	7,740	570	3,770	336	2,250	3,140	19,100
Massachusetts	--	--	W	W	W	W	W	W	211	W
Michigan	4,180	10,500	1,510	5,430	3,030	13,400	157	1,080	586	2,160
Minnesota	157	474	91	927	1,230	5,090	118	598	185	1,260
Mississippi	W	W	W	W	--	--	W	W	W	W
Missouri	3,060	15,900	5,630	40,300	12,500	51,500	5,320	15,300	4,440	19,600
Montana	W	W	W	W	W	W	--	W	W	W
Nebraska	940	6,620	W	W	534	4,130	158	1,460	746	4,190
Nevada	--	--	--	--	W	W	--	--	W	W
New Hampshire	W	W	--	--	--	--	W	W	--	--
New Jersey	W	W	W	W	W	W	--	--	W	W
New Mexico	W	W	80	106	159	318	W	W	44	80
New York	1,980	13,800	7,550	52,100	4,060	25,000	285	2,120	6,480	34,600
North Carolina	50	385	W	W	12	78	19	157	175	1,150
Ohio	4,820	17,900	7,010	29,100	13,700	54,400	3,470	14,400	2,970	10,800
Oklahoma	2,150	10,400	904	4,730	1,420	5,200	478	2,900	9,730	36,900
Oregon	--	--	--	--	--	--	--	--	--	--
Pennsylvania	4,970	29,400	12,900	76,900	9,660	49,300	617	4,160	7,270	44,600
Rhode Island	--	--	--	--	--	--	--	--	--	W
South Carolina	--	--	--	--	--	--	--	--	--	--
South Dakota	W	W	W	W	W	W	W	W	W	W
Tennessee	3,190	18,700	11,000	61,300	11,800	59,500	1,420	6,720	6,720	36,400
Texas	16,000	74,200	10,700	49,800	21,800	63,700	582	3,640	3,920	13,700
Utah	--	--	--	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--	--	--	--
Virginia	2,340	13,900	2,080	13,300	3,290	15,700	637	4,250	2,160	11,500
Washington	--	--	3	10	W	15	W	250	19	127
West Virginia	479	2,890	919	4,900	591	3,170	197	1,270	1,040	5,470
Wisconsin	1,330	5,930	1,030	4,350	7,040	26,500	136	736	975	3,340
Wyoming	W	W	W	W	W	W	W	W	W	W
Total	83,700	433,000	99,200	539,000	148,000	625,000	21,900	98,700	75,800	352,000
Total withheld	3,020	14,200	5,210	27,400	4,290	18,700	952	4,610	1,770	10,000
Grand total	86,700	447,000	104,000	566,000	152,000	643,000	22,900	103,000	77,500	362,000

See footnotes at end of table.

TABLE 15--CONTINUED
CRUSHED LIMESTONE1/ AND DOLOMITE SOLD OR USED BY PRODUCERS
IN 1995, BY STATE AND USE 2/

(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	3,460	8,860	324	2,640	1,120	4,660	8,030	57,400	29,500	151,000
Alaska	--	--	--	--	--	--	W	W	W	W
Arizona	W	W	--	--	--	--	W	W	W	W
Arkansas	W	W	248	2,390	W	W	4,280	39,400	6,890	53,700
California	8,900	33,400	87	1,420	--	--	12,500	90,400	23,400	133,000
Colorado	1,120	5,950	--	--	--	--	W	W	2,600	15,300
Connecticut	--	--	W	W	--	--	W	W	W	W
Florida	W	W	799	6,420	--	--	28,700	166,000	65,800	340,000
Georgia	W	W	--	--	--	W	3,330	21,200	7,360	46,000
Hawaii	W	W	W	W	--	--	833	8,380	1,190	10,300
Idaho	328	W	--	--	400	W	145	3,380	873	3,380
Illinois	3,530	13,800	2,690	12,300	--	--	23,300	150,000	61,400	335,000
Indiana	2,510	4,060	1,520	6,390	W	W	21,700	122,000	49,200	234,000
Iowa	2,660	20,500	1,320	10,600	W	W	20,700	120,000	35,200	210,000
Kansas	1,970	7,010	176	733	--	--	12,700	58,800	20,400	95,600
Kentucky	W	W	1,060	4,820	W	W	26,000	97,000	55,500	234,000
Maine	W	W	--	--	W	W	1,310	7,250	1,590	7,910
Maryland	2,000	4,980	W	W	--	--	6,180	53,200	15,500	105,000
Massachusetts	W	W	W	W	W	W	1,860	W	2,070	W
Michigan	6,040	12,000	132	854	W	W	21,600	80,900	37,300	126,000
Minnesota	--	--	159	603	--	--	5,570	25,900	7,500	34,900
Mississippi	--	--	W	W	--	--	W	W	W	W
Missouri	5,830	18,800	1,220	4,770	W	W	27,600	139,000	65,500	305,000
Montana	W	W	--	--	--	--	1,960	8,300	1,960	8,300
Nebraska	W	W	295	2,620	--	--	3,920	22,800	6,590	41,800
Nevada	--	--	W	W	W	W	W	13,300	W	13,300
New Hampshire	--	--	--	--	--	--	W	W	W	W
New Jersey	--	--	W	W	--	--	W	W	W	W
New Mexico	W	W	--	--	--	--	1,360	5,670	1,640	6,180
New York	4,050	15,600	82	688	--	--	8,850	31,700	33,300	176,000
North Carolina	--	--	W	W	--	--	11	55	265	1,820
Ohio	1,360	4,960	925	5,130	W	W	26,500	128,000	60,800	264,000
Oklahoma	2,450	6,850	246	1,310	--	--	8,170	36,300	25,600	105,000
Oregon	W	W	--	--	--	--	W	W	W	W
Pennsylvania	6,450	31,700	673	8,470	679	4,560	18,800	122,000	62,000	371,000
Rhode Island	--	--	W	W	--	--	W	W	W	W
South Carolina	--	--	--	--	--	--	W	14,000	W	14,000
South Dakota	953	W	--	--	W	W	W	W	2,680	9,550
Tennessee	W	W	588	4,360	W	W	11,700	67,200	46,400	254,000
Texas	9,280	25,900	590	3,960	893	5,150	12,400	50,800	76,100	291,000
Utah	W	W	W	W	W	W	2,080	8,860	2,080	8,860
Vermont	--	--	--	--	--	--	2,220	8,380	2,220	8,380
Virginia	W	W	844	11,600	715	3,690	7,340	43,900	19,400	118,000
Washington	809	4,040	2	61	--	--	400	14,800	1,230	19,300
West Virginia	W	W	5	27	--	--	7,600	51,100	10,800	68,800
Wisconsin	--	--	423	4,790	W	W	9,180	38,700	20,100	84,300
Wyoming	--	--	--	--	--	--	1,550	6,430	1,550	6,430
Total	63,700	218,000	14,400	96,900	3,810	18,100	350,000	1,910,000	863,000	4,310,000
Total withheld	16,300	84,900	400	5,590	10,400	42,600	26,200	151,000	33,900	180,000
Grand total	79,900	303,000	14,800	102,000	14,200	60,700	XX	XX	897,000	4,490,000

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 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 1995, BY USE 1/

(Thousand metric tons and thousand dollars)

Use	Quantity	Value
Coarse aggregate (+1 1/2 inch): Filter stone	23	250
Coarse aggregate, graded: Bituminous aggregate, coarse	109	750
Coarse and fine aggregates:		
Graded road base or subbase	625	3,520
Terrazzo and exposed aggregate	41	1,760
Roofing granules	(2/)	3
Other construction materials 3/	609	4,350
Agricultural: Other agricultural uses	145	620
Chemical and metallurgical: Lime manufacture	66	1,450
Special:		
Other fillers or extenders	956	19,400
Other specified uses not listed 4/	15	707
Unspecified: 5/		
Actual	2,310	15,500
Estimated	1,060	4,090
Total	5,960	52,400

1/ Data are rounded to three significant digits; may not add to totals shown.
2/ Less than 1/2 unit.
3/ Includes concrete aggregate (coarse), bituminous surface treatment aggregate, screening-undesignated, crusher run (select material or fill), and riprap and jetty stone.
4/ Includes mine dusting or acid water 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 1995, BY USE 1/

(Thousand metric tons and thousand dollars)

	Granite		Traprock	
Use	Quantity	Value	Quantity	Value
Coarse aggregate (+1 1/2 inch):				
Macadam	28	168	204	1,100
Riprap and jetty stone	2,960	24,000	1,750	13,100
Filter stone	1,050	7,400	785	5,020
Other coarse aggregate	555	2,870	820	6,960
Coarse aggregate, graded:				
Concrete aggregate, coarse	17,700	120,000	8,060	59,500
Bituminous aggregate, coarse	18,900	127,000	6,050	37,100
Bituminous surface-treatment aggregate	3,410	29,700	1,870	17,800
Railroad ballast	6,400	37,100	2,850	15,500
Other graded coarse aggregate	2,420	18,900	1,530	14,600
Fine aggregate (-3/8 inch):				
Stone sand, concrete	2,690	18,200	1,120	11,900
Stone sand, bituminous mix or seal	4,150	22,300	1,490	9,720
Screening, undesignated	5,400	29,700	2,960	16,400
Other fine aggregate	716	3,880	92	891
Coarse and fine aggregates:				
Graded road base or subbase	24,500	135,000	19,000	98,400
Unpaved road surfacing	2,470	10,400	3,250	13,300
Terrazzo and exposed aggregate	261	4,180	(2/)	(2/)
Crusher run or fill or waste	9,950	46,600	3,610	17,700
Other coarse and fine aggregates	579	4,810	3,300	23,200
Roofing granules	415	4,570	1,180	12,100
Other construction materials	3,250	23,800	3,830 3/	21,600 3/
Agricultural: Poultry grit and mineral food	(4/)	(4/)	--	--
Special:				
Asphalt fillers or extenders	--	--	(4/)	(4/)
Other fillers or extenders	(4/)	(4/)	--	--
Other specified uses not listed	588	3,910	109	358
Unspecified: 5/				
Actual	72,000	479,000	14,800	71,800
Estimated	13,400	68,800	22,200	120,000
Total	194,000	1,220,000	101,000	588,000

1/ Data are rounded to three significant digits; may not add to totals shown.
2/ Included with "other construction materials."
3/ Includes building products.
4/ Included with "other specified uses not listed."
5/ 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 1995, BY USE 1/

(Thousand metric tons and thousand dollars)

Use	Sandstone		Quartzite	
	Quantity	Value	Quantity	Value
Coarse aggregate (+1 1/2 inch):				
Macadam	W	W	--	--
Riprap and jetty stone	431	2,750	119	923
Filter stone	140	951	15	121
Other coarse aggregate	101	696	W	W
Coarse aggregate, graded:				
Concrete aggregate, coarse	994	6,140	428	2,810
Bituminous aggregate, coarse	1,490	10,500	478	3,340
Bituminous surface-treatment aggregate	704	5,700	90	648
Railroad ballast	81	501	160	1,220
Other graded coarse aggregate	347	2,840	W	W
Fine aggregate (-3/8 inch):				
Stone sand, concrete	489	3,450	W	W
Stone sand, bituminous mix or seal	423	2,770	163	984
Screening, undesignated	694	4,480	160	691
Other fine aggregate	W	W	--	--
Coarse and fine aggregates:				
Graded road base or subbase	4,420	23,000	1,030	5,830
Unpaved road surfaces	282	1,070	210	1,000
Terrazzo and exposed aggregate	82	1,340	W	W
Crusher run or fill or waste	709	3,230	215	870
Other coarse and fine aggregates	84	532	--	--
Other construction materials	170 2/	1,300 2/	193 3/	1,010 3/
Agricultural: Poultry grit and mineral food	(4/)	(4/)	(4/)	(4/)
Chemical and metallurgical:				
Cement manufacture	418	1,590	(4/)	(4/)
Flux stone	(4/)	(4/)	366	2,710
Glass manufacture	--	--	(4/)	(4/)
Special:				
Asphalt fillers or extenders	157	1,620	--	--
Other specified uses not listed	147	2,060	178	2,120
Unspecified: 5/				
Actual	9,110	55,400	2,610	15,600
Estimated	4,600	26,200	260	1,470
Total	26,100	158,000	6,670	41,400

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/ Includes pipe bedding.
3/ Includes drain fields.
4/ Included with "Other specified uses not listed."
5/ 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 1995, 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):				
Riprap and jetty stone	W	W	110	782
Filter stone	86	359	107	631
Other coarse aggregate	--	--	74	415
Course aggregate, graded:				
Concrete aggregate, coarse	W	W	325	1,740
Bituminous aggregate, coarse	--	--	728	3,460
Bituminous surface-treatment aggregate	--	--	464	1,970
Railroad ballast	--	--	22	148
Other graded coarse aggregate	--	--	112	741
Fine aggregate (-3/8 inch):				
Stone sand, bituminous mix or seal	--	--	103	588
Screening, undesignated	W	W	141	792
Coarse and fine aggregates:				
Graded road base or subbase	300	1,350	2,940	13,900
Unpaved road surfacing	94	414	818	4,710
Terrazzo and exposed aggregate	246	2,420	--	--
Crusher run or fill or waste	W	W	283	981
Roofing granules	W	W	--	--
Other construction materials 3/	340	1,510	1,130 4/	6,980 4/
Agricultural:				
Poultry grit and mineral food	--	--	(5/)	(5/)
Other agricultural uses	--	--	(5/)	(5/)
Chemical and metallurgical: Cement manufacture	--	--	2,950	6,780
Other miscellaneous uses:				
Light weight aggregate (slate)	--	--	222	4,970
Flour (slate)	--	--	(5/)	(5/)
Other specified uses not listed	46	528	207	3,740
Unspecified: 6/				
Actual	745	5,180	10,300	68,200
Estimated	20	225	10,700	62,800
Total	1,880	12,000	31,700	184,000

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 stone sand, concrete.
4/ Includes drain fields.
5/ Included with "Other specified uses not listed."
6/ 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/

	Recycled asphalt						Recycled concrete					
	1994			1995			1994			1995		
Region/Division	Quantity (thousand metric tons)	Value (thousands)	Unit value	Quantity (thousand metric tons)	Value (thousands)	Unit value	Quantity (thousand metric tons)	Value (thousands)	Unit value	Quantity (thousand metric tons)	Value (thousands)	Unit value
Northeast:												
New England	269	$1,520	$5.65	258	$1,310	$5.08	36	$252	$7.00	18	$129	$7.16
Middle Atlantic	277	2,360	8.52	294	2,100	7.14	35	256	7.31	193	988	5.12
Midwest:												
East North Central	47	199	4.23	89	606	6.81	47	104	2.21	38	135	3.55
West North Central	68	257	3.78	205	919	4.48	26	125	4.81	132	600	4.55
South:												
South Atlantic	W	W	5.00	20	65	3.25	W	W	7.56	W	W	5.86
East South Central	--	--	--	W	W	6.67	W	W	11.31	--	--	--
West South Central	W	W	5.85	576	2,370	5.85	--	--	--	W	W	5.56
West:												
Mountain	1	9	9.00	W	W	2.69	--	--	--	W	(2/)	(2/)
Pacific	34	173	5.09	84	339	4.04	195	963	4.94	390	1,775	4.55
Total 3/	822	5,250	6.39	1,580	7,910	5.01	368	1,970	5.35	887	4,280	4.83

W Withheld to avoid disclosing company proprietary data; included in "Total."
1/ Includes volcanic cinder and scoria.
2/ Less than 1/2 unit.
3/ 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/

	1994			1995		
State	Quantity (thousand metric tons)	Value (thousands)	Unit value	Quantity (thousand metric tons)	Value (thousands)	Unit value
Arizona	--	--	--	11	$22	$2.00
California	W	W	$9.00	61	198	3.25
Colorado	--	--	--	W	W	3.56
Florida	--	--	--	W	W	4.00
Illinois	--	--	--	17	71	4.18
Indiana	--	--	--	14	W	W
Iowa	--	--	--	W	W	1.05
Kansas	W	(2/)	(2/)	W	W	3.29
Louisiana	--	--	--	9	71	7.89
Maine	14	$45	3.21	4	W	W
Massachusetts	201	1,090	5.43	148	953	6.44
Michigan	W	W	2.14	--	--	--
Minnesota	29	167	5.76	83	470	5.66
Missouri	W	W	6.00	W	W	6.40
Nevada	1	9	9.00	--	--	--
New Hampshire	53	375	7.08	W	W	(2/)
New Jersey	W	W	9.13	172	1,580	9.20
New Mexico	--	--	--	W	W	(2/)
New York	49	510	10.41	21	116	5.52
Ohio	27	150	5.56	--	--	--
Oregon	28	94	3.36	20	124	6.20
Pennsylvania	112	793	7.08	101	402	3.98
Rhode Island	W	W	9.00	W	W	6.11
South Dakota	--	--	--	32	175	5.47
Tennessee	--	--	--	W	W	6.67
Texas	W	W	5.85	W	W	4.05
Virginia	W	W	5.00	W	W	1.00
Washington	W	W	17.50	W	W	6.00
Wisconsin	7	19	2.71	59	355	6.02
Total 3/	822	5,250	6.39	1,580	7,910	5.02

W Withheld to avoid disclosing company proprietary data; included in "Total."
1/ Includes volcanic cinder and scoria.
2/ Less than 1/2 unit.
3/ 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	1994			1995		
	Quantity (thousand metric tons)	Value (thousands)	Unit value	Quantity (thousand metric tons)	Value (thousands)	Unit value
Alaska	--	--	--	W	W	$4.40
California	W	W	$6.67	73	$248	3.40
Hawaii	--	--	--	W	W	2.17
Illinois	(2/)	W	(2/)	20	89	4.45
Iowa	--	--	--	W	W	6.41
Kansas	W	W	5.00	--	--	--
Maine	W	W	5.41	W	W	2.14
Massachusetts	W	W	9.90	W	W	9.50
Michigan	W	W	2.13	--	--	--
Minnesota	W	W	1.20	W	W	4.37
Missouri	(2/)	$8	(2/)	--	--	--
New Jersey	1	5	5.00	111	594	5.35
New Mexico	--	--	--	W	W	(2/)
New York	4	19	4.75	W	W	4.76
North Carolina	W	W	7.00	--	--	--
Ohio	(2/)	3	(2/)	--	--	--
Oregon	28	95	3.39	(2/)	1	(2/)
Pennsylvania	31	232	7.48	W	W	4.00
Rhode Island	W	W	10.50	--	--	--
South Dakota	W	W	5.69	96	408	4.25
Tennessee	W	W	11	--	--	--
Texas	--	--	--	W	W	5.56
Virginia	W	W	7.90	W	W	5.86
Washington	W	W	5.20	W	W	4.93
Wisconsin	--	--	--	W	W	2.56
Total 3/	368	1,970	5.35	887	4,280	4.82

W Withheld to avoid disclosing company proprietary data; included in "Total."
1/ Includes volcanic cinder and scoria.
2/ Less than 1/2 unit.
3/ Data are rounded to three significant digits; may not add to totals shown.

TABLE 23
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES IN 1995,
BY REGION AND METHOD OF TRANSPORTATION 1/

(Thousand metric tons)

Region/Division	Truck	Rail	Water	Other	Not transported	Not specified	Total
Northeast:							
New England	7,950	578	(2/)	(2/)	2,600	17,400	28,500
Middle Atlantic	76,500	1,620	2,210	3,160	12,200	45,800	141,000
Midwest:							
East North Central	101,000	5,630	25,700	4,800	7,450	90,300	235,000
West North Central	52,200	1,790	8,940	2,650	6,160	74,300	146,000
South:							
South Atlantic	138,000	8,350	4,480	(2/)	20,600	130,000	301,000
East South Central	70,800	3,150	11,500	1,220	14,000	43,000	144,000
West South Central	61,900	21,000	(2/)	5,300	8,920	44,400	142,000
West:							
Mountain	13,500	2,000	(2/)	753	1,340	17,800	35,300
Pacific	30,400	732	1,380	7,030	3,380	48,900	91,900
Total	552,000	44,900	54,200	24,900	76,600	511,000	1,260,000

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 1995, BY STATE 1/

State	Mining operations on land					
	Stationary	Portable	Stationary and portable	No. plants or unspecified	Dredging operations	Total active operations
Alabama	43	4	--	2	--	49
Alaska 2/	2	6	2	3	--	13
Arizona	15	7	1	2	1	26
Arkansas	25	7	5	4	--	41
California	57	17	12	12	1	99
Colorado	7	7	10	4	--	28
Connecticut	18	5	--	--	--	23
Florida	34	28	7	9	4	82
Georgia	72	2	1	1	--	76
Hawaii	12	11	5	5	--	33
Idaho	6	28	5	3	--	42
Illinois	78	57	15	2	--	152
Indiana	73	4	5	3	--	85
Iowa	23	185	1	4	1	214
Kansas	16	80	3	1	--	100
Kentucky	79	5	2	4	--	90
Louisiana	1	2	--	3	12	18
Maine	6	7	1	2	--	16
Maryland	23	5	2	--	--	30
Massachusetts	24	4	3	3	--	34
Michigan	17	9	3	4	2	35
Minnesota	8	28	1	8	--	45
Mississippi	5	--	--	--	--	5
Missouri	93	86	8	10	--	197
Montana	11	3	1	1	--	16
Nebraska	6	3	2	--	--	11
Nevada	8	3	1	--	--	12
New Hampshire	7	1	1	2	--	11
New Jersey	10	1	10	--	--	21
New Mexico	14	14	2	1	--	31
New York	61	12	16	4	--	93
North Carolina	87	7	5	2	--	101
Ohio	79	17	6	2	--	104
Oklahoma	47	5	8	1	--	61
Oregon	31	89	7	15	1	143
Pennsylvania	144	24	19	21	--	208
Rhode Island	8	1	--	--	--	9
South Carolina	31	1	2	1	--	35
South Dakota	10	1	--	--	--	11
Tennessee	101	8	3	2	--	114
Texas	65	41	15	4	--	125
Utah	10	8	1	1	--	20
Vermont	6	6	2	2	--	16
Virginia	90	5	6	1	--	102
Washington	32	58	8	25	--	123
West Virginia	36	7	4	2	--	49
Wisconsin	22	112	3	12	--	149
Wyoming	7	6	1	1	--	15
Total	1,660	1,030	217	189	22	3,110

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.

TABLE 25
U.S. EXPORTS OF CRUSHED STONE IN 1995, BY DESTINATION 1/

(Metric tons)

Destination	Limestone for cement manufacturing	Other	Chalk, crude	Granules, chippings	Total
North America:					
Bahamas, The	89	--	5	--	94
Barbados	--	--	14	--	14
Bermuda	--	--	--	17	17
Canada	5,040,000	322	1,900	318,000	5,360,000
Cayman Islands	--	--	--	60	60
El Salvador	--	--	--	12	12
Guatemala	--	--	7	--	7
Haiti	--	--	--	9	9
Jamaica	4,360	--	--	14	4,370
Mexico	26,400	1,810	550	2,150	30,900
Panama	22	--	19	26	67
Trinidad and Tobago	18	--	--	--	18
Total	5,070,000	2,130	2,500	320,000	5,400,000
South America:					
Brazil	9,450	53	--	--	9,500
Chile	--	--	16	623	639
Colombia	3	--	24	--	27
Ecuador	9	--	18	3	30
Peru	--	--	101	--	101
Suriname	1,700	--	--	--	1,700
Venezuela	800	--	30	38	868
Total	12,000	53	189	664	12,900
Europe:					
Austria	3,160	--	--	--	3,160
Belgium	44,600	--	2	480	45,100
Denmark	360	--	--	--	360
France	18,800	1	17	--	18,900
Germany	71,000	1,230	10	145	72,400
Hungary	1,680	--	--	--	1,680
Ireland	637	902	--	--	1,540
Italy	106,000	--	11	--	107,000
Netherlands	800	9	3	--	812
Norway	--	6	8	--	14
Spain	4,880	--	--	19	4,900
Sweden	9,100	--	--	--	9,100
Switzerland	2,170	--	--	86	2,260
Turkey	--	--	--	2	2
United Kingdom	74,700	147	12	5	74,900
Total	338,000	2,300	64	737	342,000
Asia:					
China	4,160	--	--	42	4,200
Hong Kong	19	4	22	18	63
India	80	--	--	--	80
Indonesia	20,200	--	--	--	20,200
Japan	211,000	480	2	606	212,000
Korea, Republic of	5,210	176	--	57	5,440
Malaysia	560	1	--	39	600
Pakistan	--	--	--	--	--
Philippines	80	--	--	--	80
Singapore	1,600	93	16	--	1,710
Taiwan	29,100	--	8	145	29,200
Thailand	--	14	--	2,160	2,170
Vietnam	--	--	--	14	14
Total	272,000	768	48	3,080	276,000

See footnotes at end of table.

TABLE 25 -- CONTINUED
U.S. EXPORTS OF CRUSHED STONE IN 1995, BY DESTINATION 1/

(Metric tons)

Destination	Limestone for cement manufacturing	Other	Chalk, crude	Granules, chippings	Total
Oceania:					
Australia	8,510	26	71	37	8,640
New Zealand	--	39	2	--	41
Total	8,510	65	73	37	8,680
Middle East:					
Israel	--	--	852	--	852
Saudi Arabia	--	--	--	258	258
United Arab Emirates	--	--	26	5	31
Total	--	--	877	263	1,140
South Africa	5	--	--	104	109
Grand total	5,700,000	5,310	3,750	325,000	6,040,000
Total value (thousands)	$26,400	$1,530	$2	$11,300	$39,300

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)

	1994		1995		
Type	Quantity	C.i.f. value 2/	Quantity	C.i.f. value 2/	Unit price
Crushed stone and chips:					
Limestone 2/	5,100	41,500	6,400	52,600	$8.21
Limestone for flux or cement manufacturing	3,250	23,800	3,240	24,600	7.60
Quartzite	(3/)	156	(3/)	390	892.00
Other	583	9,030	1,200	12,600	10.52
Total	8,930	74,500	10,800	90,300	XX
Calcium carbonate fines: 4/					
Natural chalk	(3/)	1,940	(3/)	7	XX
Calcium carbonates other chalk	5	1,440	7	1,600	229.00
Total	5	3,380	7	1,610	XX
Grand total	8,930	77,800	10,900	91,900	XX

XX Not applicable.
1/ Data are rounded to three significant digits; 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.