STONE (DIMENSION)[1]

(Data in thousand metric tons, unless otherwise noted)

Domestic Production and Use: Approximately 1.3 million tons of dimension stone, valued at $235 million, was sold or used in 2001. Dimension stone was produced by 116 companies, operating 165 quarries, in 33 States and Puerto Rico. Leading producer States, in descending order by tonnage, were Indiana, Vermont, Wisconsin, Texas, and Georgia. These five States accounted for 48% of the tonnage output. Leading producer States, in descending order by value, were Indiana, Vermont, Minnesota, South Dakota, and North Carolina. These States contributed 49% of the value of domestic production. Approximately 35%, by tonnage, of dimension stone sold or used was limestone, followed by granite (33%), sandstone (18%), marble (3%), slate (2%), and miscellaneous stone (9%). By value, the largest sales or uses were for granite (48%), followed by limestone (28%), sandstone (10%), slate (6%), marble (3%), and miscellaneous stone (5%). Rough block represented 55% of the tonnage and 46% of the value of all the dimension stone sold or used by domestic producers, including exports. The largest uses of rough block, by tonnage, were in construction (50%) and irregular-shaped stone (19%). Dressed stone was sold for flagging (28%), ashlars and partially squared pieces (20%), and curbing (10%), by tonnage.

Salient Statistics—United States:[2]	1997	1998	1999	2000	2001[e]
Production:					
Tonnage	1,180	1,140	1,250	1,250	1,300
Value, million dollars	225	225	254	235	235
Imports for consumption, value, million dollars	548	698	808	925	1,030
Exports, value, million dollars	55	60	55	60	60
Consumption, apparent, value, million dollars	718	863	1,010	1,100	1,200
Price	Variable, depending on type of product				
Stocks, yearend	NA	NA	NA	NA	NA
Employment, quarry and mill, number[3]	3,000	3,000	3,000	3,000	3,000
Net import reliance[4] as a percentage of apparent consumption (based on value)	69	74	75	78	80
Granite only:					
Production	444	420	437	415	415
Imports for consumption	NA	NA	NA	NA	NA
Exports (rough and finished)	166	145	166	134	134
Consumption, apparent	NA	NA	NA	NA	NA
Price	Variable, depending on type of product				
Stocks, yearend	NA	NA	NA	NA	NA
Employment, quarry and mill, number[3]	1,500	1,500	1,500	1,500	1,500
Net import reliance[4] as a percentage of apparent consumption (based on tonnage)	NA	NA	NA	NA	NA

Recycling: Small amounts of dimension stone were recycled principally by restorers of old stone work.

Import Sources (1997-2000 by value): Dimension stone: Italy, 40%; Canada, 20%; India, 14%; Spain, 9%; and other, 17%. Granite only: Italy, 42%; Brazil, 15%; Canada, 13%; India, 12%; and other, 18%.

Tariff: Dimension stone tariffs ranged from free to 6.5% ad valorem for countries with normal trade relations in 2001, according to type, degree of preparation, shape, and size. Most crude or rough trimmed stone was imported for 3.0% ad valorem or less.

Depletion Allowance: 14% (Domestic and foreign); slate used or sold as sintered or burned lightweight aggregates, 7.5% (Domestic and foreign); dimension stone used for rubble and other nonbuilding purposes, 5% (Domestic and foreign).

Government Stockpile: None.

Prepared by **Thomas P. Dolley [(703) 648-7710, tdolley@usgs.gov, fax: (703) 648-7722]**

STONE (DIMENSION)

Events, Trends, and Issues: Domestic production increased to about 1.3 million tons valued at $235 million in 2001. Imports increased by 12% in value to $1.04 billion. Dimension stone exports held steady at $60 million. Apparent consumption, by value, was $1.2 billion in 2001—a $100 million increase over that of 2000. Dimension stone is being used more commonly in residential markets. Additionally, improved quarrying, finishing, and handling technology, as well as a greater variety of stone and the rising costs of alternative construction materials, are among the factors that suggest a continuing increase in demand for dimension stone during the next 5 to 10 years.

World Mine Production, Reserves, and Reserve Base:

	Mine production		Reserves and reserve base[5]
	2000	2001[e]	
United States	1,250	1,300	Adequate except for certain
Other countries	NA	NA	special types and local
World total	NA	NA	shortages.

World Resources: Dimension stone resources of the world are sufficient. Resources can be limited on a local level or occasionally on a regional level by the lack of a particular kind of stone that is suitable for dimension purposes.

Substitutes: In some applications, substitutes for dimension stone include brick, concrete, steel, aluminum, resin-agglomerated stone, ceramic tile, plastics, and glass.

[e]Estimated. NA Not available.

[1]See also Stone (Crushed).

[2]Includes Puerto Rico.

[3]Excluding office staff.

[4]Defined as imports - exports + adjustments for Government and industry stock changes. Changes in stocks were assumed to be zero in the net import reliance and apparent consumption calculations because data on stocks were not available.

[5]See Appendix C for definitions.