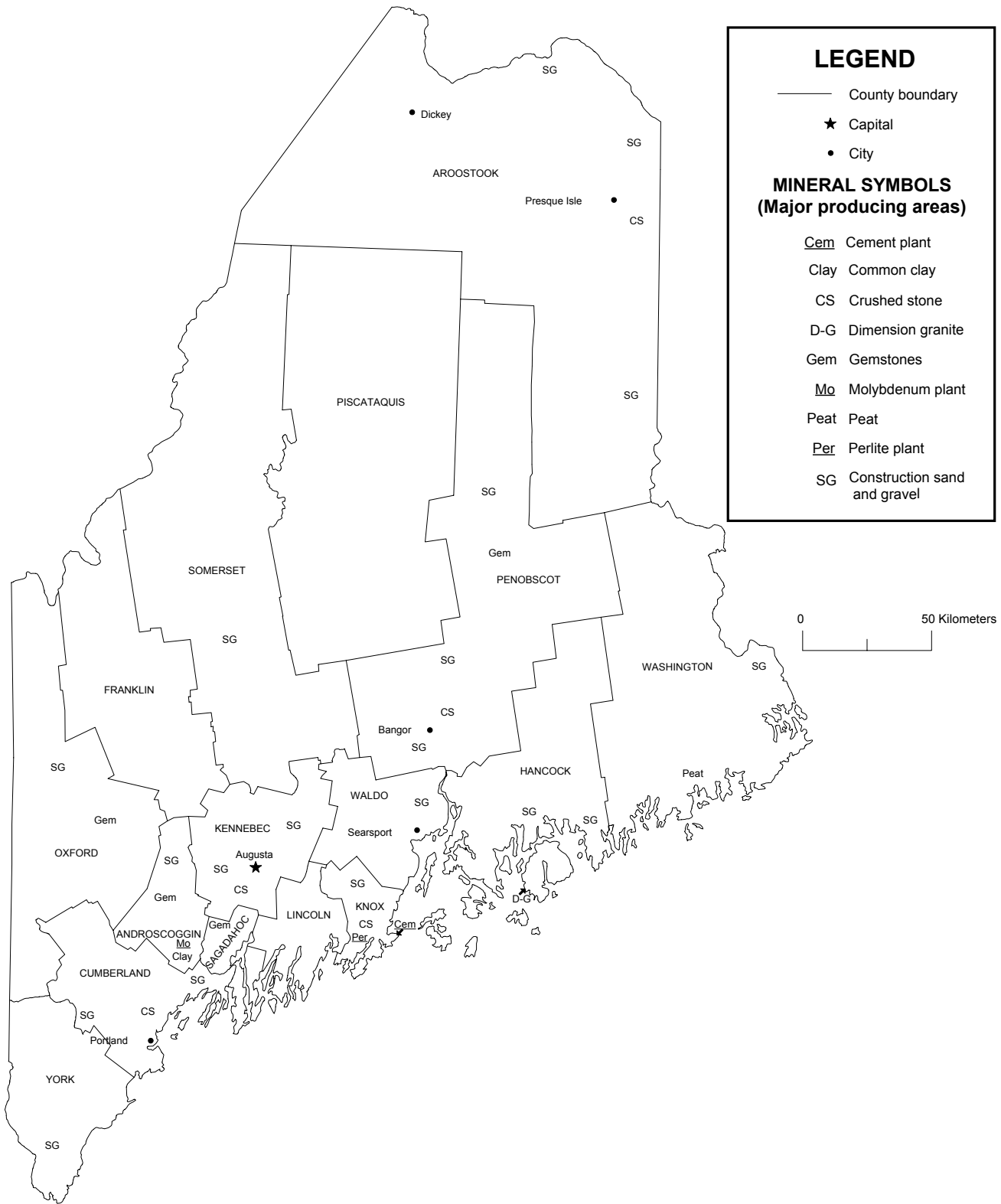


MAINE



Source: Maine Geological Survey/U.S. Geological Survey (2001)

THE MINERAL INDUSTRY OF MAINE

This chapter has been prepared under a Memorandum of Understanding between the U.S. Geological Survey and the Maine Geological Survey for collecting information on all nonfuel minerals.

In 2001, the estimated value¹ of nonfuel mineral production for Maine was \$91 million, based upon preliminary U.S. Geological Survey (USGS) data. This was a less than 5% decrease from that of 2000² and followed a 4.5% decrease in 2000 from that of 1999.

¹The terms “nonfuel mineral production” and related “values” encompass variations in meaning, depending upon the minerals or mineral products. Production may be measured by mine shipments, mineral commodity sales, or marketable production (including consumption by producers) as is applicable to the individual mineral commodity.

All 2001 USGS mineral production data published in this chapter are preliminary estimates as of August 2002 and are expected to change. For some mineral commodities, such as construction sand and gravel, crushed stone, and portland cement, estimates are updated periodically. To obtain the most current information, please contact the appropriate USGS mineral commodity specialist. Specialist contact information may be retrieved over the Internet at URL <http://minerals.usgs.gov/minerals/contacts/comdir.html>; alternatively, specialists’ names and telephone numbers may be obtained by calling USGS information at (703) 648-4000 or by calling the USGS Earth Science Information Center at 1-888-ASK-USGS (275-8747). All Mineral Industry Surveys—mineral commodity, State, and country—also may be retrieved over the Internet at URL <http://minerals.usgs.gov/minerals>.

²Values, percentage calculations, and rankings for 2000 may differ from the Minerals Yearbook, Area Reports: Domestic 2000, Volume II, owing to the revision of preliminary 2000 to final 2000 data. Data for 2001 are preliminary and are expected to change; related rankings may also change.

The large majority of Maine’s nonfuel mineral production resulted from the mining and production of construction minerals and materials—construction sand and gravel, cement (portland and masonry), crushed stone, and dimension granite (descending order of value). In 2001, construction sand and gravel and crushed stone alone accounted for more than 64% of the State’s total nonfuel mineral value. The majority of the decrease in value resulted from a drop in the production and value of portland cement. Further information regarding cement and dimension granite have been withheld to protect company proprietary data. In 2000, the State’s drop in value was mostly the result of decreases in the production and value of construction sand and gravel (down about \$2.7 million) plus smaller decreases in the same of portland cement. All other changes in both years were small and inconsequential to the net result (table 1).

Based upon USGS estimates of the quantities of minerals produced in the United States in 2001, Maine (by value) remained 13th in the production of gemstones and increased in rank to 6th from 7th in the production of peat.

TABLE 1
NONFUEL RAW MINERAL PRODUCTION IN MAINE 1/ 2/

(Thousand metric tons and thousand dollars)

Mineral	1999		2000		2001 p/	
	Quantity	Value	Quantity	Value	Quantity	Value
Clays, common	W	W	49 e/	125 e/	49	125
Gemstones	NA	229	NA	239	NA	238
Sand and gravel, construction	8,570	40,300	9,670	37,600	9,600	37,900
Stone, crushed	3,550 r/	21,200 r/	3,650	21,100	3,400	20,200
Combined values of cement, peat, stone (dimension granite), and values indicated by symbol W	XX	38,400	XX	36,500	XX	32,500
Total	XX	100,000	XX	95,500	XX	91,000

e/ Estimated. p/ Preliminary. r/ Revised. NA Not available. W Withheld to avoid disclosing company proprietary data; value included with “Combined values” data. XX Not applicable.

1/ Production as measured by mine shipments, sales, or marketable production (including consumption by producers).

2/ Data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 2
MAINE: CRUSHED STONE SOLD OR USED, BY KIND 1/

Kind	1999				2000			
	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Unit value	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Unit value
Limestone	5	1,300	\$7,640	\$5.86	5	1,300	\$7,260	\$5.58
Granite	4 r/	1,140	7,280	6.41 r/	4	1,320	7,150	5.49
Traprock	1 r/	W	W	6.78 r/	1	W	W	8.89
Quartzite	3 r/	W	W	6.61 r/	2	W	W	6.16
Slate	1 r/	W	W	5.72 r/	1	W	W	7.21
Miscellaneous stone	7	400	1,640	4.10	8	373	2,410	6.47
Total or average	XX	3,550 r/	21,200 r/	5.98	XX	3,650	21,100	5.78

r/ Revised. W Withheld to avoid disclosing company proprietary data; included in "Total." XX Not applicable.

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

TABLE 3
MAINE: CRUSHED STONE SOLD OR USED BY PRODUCERS IN 2000, BY USE 1/ 2/

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Construction:			
Coarse aggregate (+1 1/2 inch):			
Riprap and jetty stone	7	\$61	\$8.71
Filter stone	30	204	6.80
Other coarse aggregate	61	536	8.79
Coarse aggregate, graded:			
Concrete aggregate, coarse	206	1,000	4.85
Bituminous aggregate, coarse	275	1,960	7.14
Railroad ballast	W	W	7.47
Fine aggregate (-3/8 inch):			
Stone sand, concrete	63	399	6.33
Stone sand, bituminous mix or seal	(3/)	(3/)	10.40
Screening, undesignated	67	373	5.57
Other fine aggregate	79	552	6.99
Coarse and fine aggregates:			
Crusher run or fill or waste	(3/)	(3/)	3.77
Other coarse and fine aggregates	1,300	7,000	5.37
Other construction materials	9	47	5.22
Chemical and metallurgical:			
Cement manufacture	W	W	5.51
Lime manufacture	W	W	5.40
Unspecified: 4/			
Reported	438	2,530	5.77
Estimated	510	3,000	5.96
Total or average	3,650	21,100	5.78

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

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

2/ Includes granite, limestone, miscellaneous stone, quartzite, slate, and traprock.

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

4/ Reported and estimated production without a breakdown by end use.

TABLE 4
 MAINE: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 2000,
 BY MAJOR USE CATEGORY 1/

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Concrete aggregate and concrete products	947	\$4,020	\$4.25
Asphaltic concrete aggregates and other bituminous mixtures	1,320	7,050	5.32
Road base and coverings	2,030	7,260	3.57
Road stabilization (lime)	24	48	2.00
Fill	856	2,040	2.39
Snow and ice control	385	1,650	4.29
Railroad ballast	35	125	3.57
Other miscellaneous uses	205	692	3.38
Unspecified: 2/			
Reported	1,250	2,990	2.40
Estimated	2,600	12,000	4.49
Total or average	9,670	37,600	3.89

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

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