

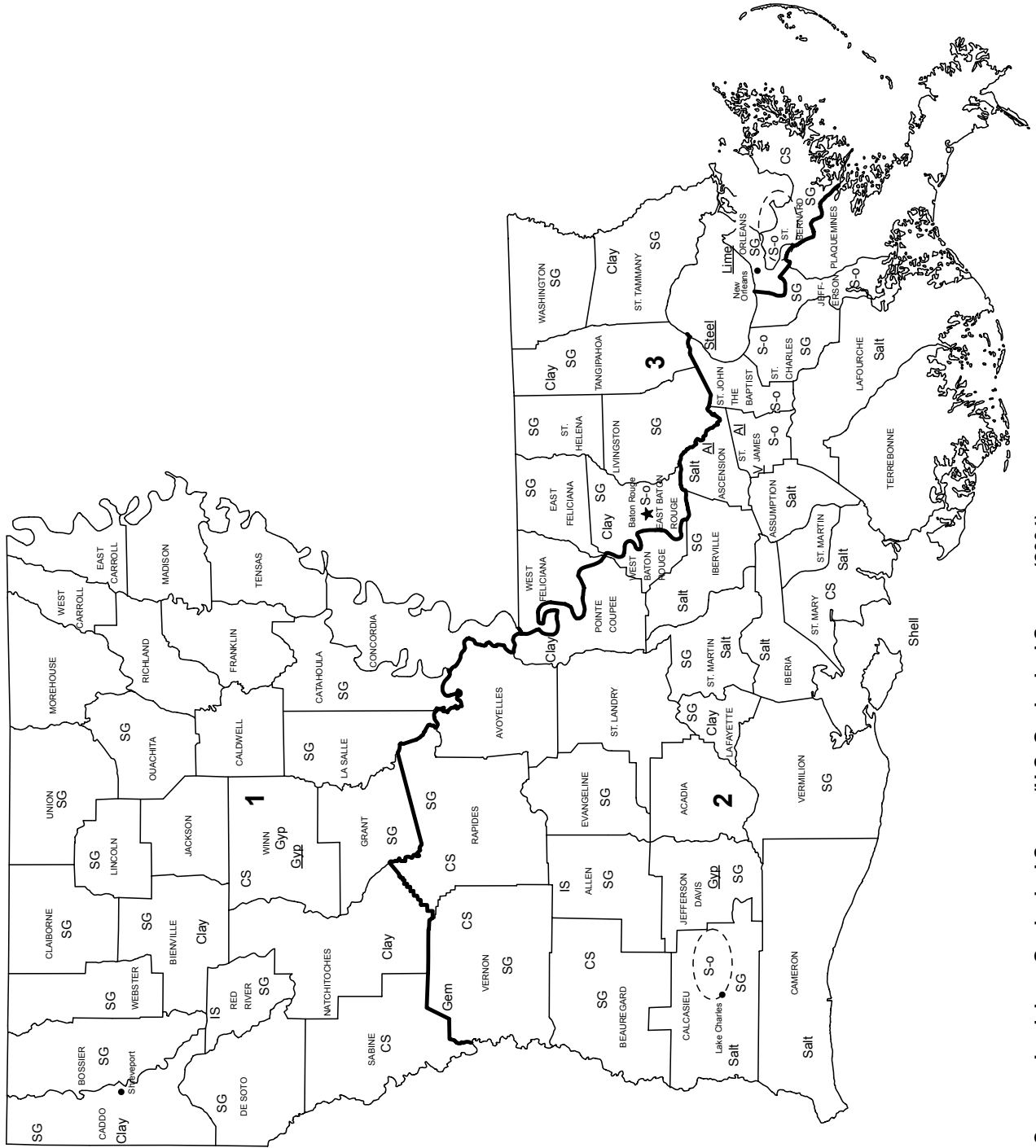
LOUISIANA

LEGEND

- Parish boundary
- ★ Capital
- City
- 1 — Crushed stone/sand and gravel districts

MINERAL SYMBOLS (Major producing areas)

- Al Aluminum plant
- Clay Common clay
- CS Crushed stone
- Gem Gemstones
- Gyp Gypsum
- Gyp Gypsum plant
- IS Industrial sand
- Lime Lime plant
- S-o Sulfur (oil)
- Salt Salt
- SG Construction sand and gravel
- Shell Shell
- Steel Steel plant
- Y Vanadium plant
- Concentration of mineral operations



Source: Louisiana Geological Survey/U.S. Geological Survey (2004)

THE MINERAL INDUSTRY OF LOUISIANA

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

In 2004, Louisiana's nonfuel raw mineral production¹ was valued at \$356 million, based upon annual U.S. Geological Survey (USGS) data. This was a 3% decrease compared with that of 2003,² which was up 17.6% from 2002. The State was 36th in rank (34th in 2003) among the 50 States in total nonfuel mineral production value, and Louisiana accounted for about 1% of the U.S. total.

Louisiana's leading nonfuel raw mineral, based on value, continued to be salt, accounting for about 52% of the State's nonfuel mineral value in 2004. This was followed by construction sand and gravel, making up about 29% of the State's value, crushed stone (company proprietary data), industrial sand and gravel, representing about 4% of the same value, and lime.

In 2004, a 14% increase in the production of salt was accompanied by a more than 22%, or a \$34 million increase in the commodity's value. But decreases in the values of most of the State's other nonfuel minerals, the largest of which were those of crushed stone (down more than \$30 million) and lime, resulted in the State's drop in total value for the year (table 1). In 2004, Louisiana continued to lead the Nation in the quantity of salt produced, ahead of 14 other producing States. Additionally, the State was a significant producer of construction sand and gravel, industrial sand and gravel, and common clays (descending order of value).

In 2003, virtually all nonfuel minerals had increased production and value compared with that of 2002 (only industrial sand and gravel production was down slightly and gemstones value was unchanged). The increase in total value over that of 2002 largely resulted from increases in salt and crushed stone of \$23 million and \$18 million, respectively, as well as increases of more than \$8 million in construction sand and gravel and more than \$5 million in industrial sand and gravel (table 1).

¹The terms "nonfuel mineral production" and related "values" encompass variations in meaning, depending upon the 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 2004 USGS mineral production data published in this chapter are those available as of December 2005. All USGS Mineral Industry Surveys and USGS Minerals Yearbook chapters—mineral commodity, State, and country—also can be retrieved over the Internet at URL <http://minerals.usgs.gov/minerals>.

²Values, percentage calculations, and rankings for 2003 may differ from the Minerals Yearbook, Area Reports: Domestic 2003, Volume II, owing to the revision of preliminary 2003 to final 2003 data. Data and rankings for 2004 are considered to be final and are not likely to change significantly.

TABLE 1
NONFUEL RAW MINERAL PRODUCTION IN LOUISIANA^{1,2}

(Thousand metric tons and thousand dollars)

Mineral	2002		2003		2004	
	Quantity	Value	Quantity	Value	Quantity	Value
Clays, common	667	1,680	670	1,690	399	1,000
Gemstones	NA	6	NA	6	NA	6
Salt	12,000	129,000	12,600	152,000	14,300	186,000
Sand and gravel:						
Construction	17,900	96,800	21,200	105,000	19,400	103,000
Industrial	541	12,000	499	17,200	476	14,800
Combined values of gypsum (crude), lime, stone (crushed limestone, sandstone, miscellaneous)	XX	72,400	XX	91,000	XX	51,200
Total	XX	312,000	XX	367,000	XX	356,000

NA Not available. XX Not applicable.

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

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

TABLE 2
LOUISIANA: CRUSHED STONE SOLD OR USED, BY KIND¹

Kind	2002				2003				2004			
	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Unit value	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Unit value	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Unit value
Limestone	(2)	W	W	\$10.85	(2)	W	W	\$10.92	(2)	W	W	\$11.50
Sandstone	(2)	W	W	11.23	(2)	W	W	11.02	(2)	W	W	11.02
Miscellaneous stone	(2)	W	W	11.02	(2)	W	W	11.02	--	--	--	--
Total or average	XX	W	W	11.06	XX	W	W	10.99	XX	W	W	11.25

W Withheld to avoid disclosing company proprietary data. XX Not applicable. -- Zero.

¹A significant amount of sold or used materials was shipped in from other States.

²Sales/distribution yards.

TABLE 3a

LOUISIANA: CRUSHED STONE SOLD OR USED BY PRODUCERS IN 2003, BY USE^{1, 2, 3}

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Construction:			
Coarse aggregate (+1½ inch), other coarse aggregates	W	W	\$14.09
Other graded coarse aggregates	W	W	13.40
Fine aggregate (-¾ inch), other fine aggregates	W	W	12.75
Other coarse and fine aggregates	W	W	11.53
Unspecified:⁴			
Reported	5,480	\$57,900	10.57
Estimated	207	2,270	10.95
Total or average	W	W	10.99

W Withheld to avoid disclosing company proprietary data.

¹Data are rounded to no more than three significant digits, except unit value.

²Most of the production included in this table was shipped into Louisiana from other States.

³To avoid disclosing company proprietary data, no district tables were produced for 2003.

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

TABLE 3b

LOUISIANA: CRUSHED STONE SOLD OR USED BY PRODUCERS IN 2004, BY USE^{1, 2, 3}

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Construction:			
Coarse aggregate (+1½ inch), other coarse aggregates	W	W	\$20.06
Coarse aggregate, graded, other graded coarse aggregates	W	W	15.53
Fine aggregate (-¾ inch), other fine aggregates	W	W	15.35
Coarse and fine aggregates, other coarse and fine aggregates	W	W	12.68
Unspecified:⁴			
Reported	2,090	\$22,100	10.57
Estimated	1,100	11,000	10.68
Total or average	W	W	11.25

W Withheld to avoid disclosing company proprietary data.

¹Data are rounded to no more than three significant digits, except unit value.²Most of the production included in this table was shipped into Louisiana from other States.³To avoid disclosing company proprietary data, no district tables were produced for 2004.⁴Reported and estimated production without a breakdown by end use.

TABLE 4a
LOUISIANA: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 2003,
BY MAJOR USE CATEGORY^{1,2}

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Concrete aggregate and concrete products ³	5,820	\$31,800	\$5.48
Asphaltic concrete aggregates and other bituminous mixtures	552	2,790	5.05
Road base and coverings	1,160	12,500	10.81
Fill	634	2,640	4.16
Other miscellaneous uses ⁴	1,970	5,190	2.63
Unspecified: ⁵			
Reported	4,950	23,700	4.80
Estimated	6,200	27,000	4.30
Total or average	21,200	105,000	4.95

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

²To avoid disclosing company proprietary data, no district tables were produced for 2003.

³Includes plaster and gunite sands.

⁴Includes railroad ballast.

⁵Reported and estimated production without a breakdown by end use.

TABLE 4b
LOUISIANA: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 2004,
BY MAJOR USE CATEGORY¹

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Concrete aggregate (including concrete sand)	8,180	\$45,800	\$5.60
Asphaltic concrete aggregates and other bituminous mixtures	390	3,200	8.19
Road base and coverings	1,060	12,500	11.78
Fill	914	2,570	2.81
Other miscellaneous uses ²	169	817	4.83
Unspecified: ³			
Reported	1,930	10,500	5.43
Estimated	6,700	27,000	4.07
Total or average	19,400	103,000	5.31

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

²Includes railroad ballast.

³Reported and estimated production without a breakdown by end use.

TABLE 5
LOUISIANA: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 2004,
BY USE AND DISTRICT^{1,2}

(Thousand metric tons and thousand dollars)

Use	Districts 1 and 2		District 3		Unspecified districts	
	Quantity	Value	Quantity	Value	Quantity	Value
Concrete aggregate (including concrete sand) ³	2,510	20,400	7,120	41,100	--	--
Fill	85	366	828	2,200	--	--
Other miscellaneous uses ⁴	157	625	12	192	--	--
Unspecified: ⁵						
Reported	1,790	9,470	134	994	--	--
Estimated	4,500	18,000	2,200	9,800	11	18
Total	9,050	48,400	10,300	54,200	11	18

-- Zero.

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

²Districts 1 and 2 are combined to avoid disclosing company proprietary data.

³Includes asphaltic concrete aggregates and road base materials.

⁴Includes railroad ballast.

⁵Reported and estimated production without a breakdown by end use.