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2012–2013 Minerals Yearbook

DELAWARE [ADVANCE RELEASE]

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U.S. Geological Survey

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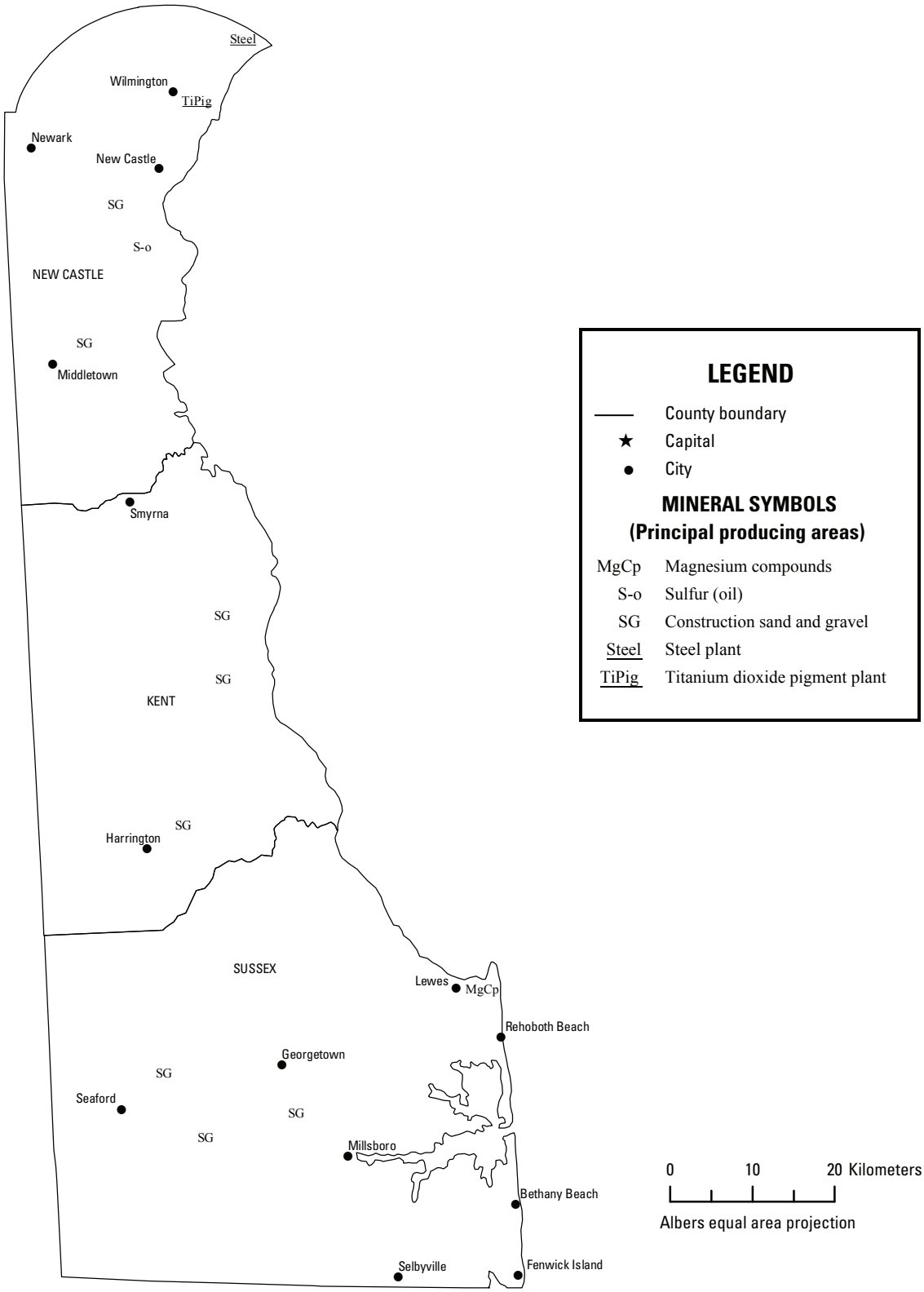
DELAWARE



Source: Delaware Geological Survey/U.S. Geological Survey (2012–13).

The Mineral Industry of Delaware

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

In 2013, the value of the nonfuel mineral production[1] in the State of Delaware decreased to $12.4 million,[2] 0.02% of the total U.S. nonfuel mineral production, ranking it 50th in the country. In 2012, the corresponding value was $15.6 million,[2] 0.02% of the Nation's total nonfuel mineral production, again ranking it 50th among the 50 States. In 2013, on a per capita basis, nonfuel mineral production in Delaware had a value of $13 compared with the national average of $238. In 2012, the per capita value was $17 compared with the national average of $241.

The value of nonfuel mineral production in Delaware for the years 2006 through 2013 was as follows (in millions of dollars): $22.4 (2006), $26.4 (2007), $20.6 (2008), $24.5 (2009), $12.3[2] (2010), $11.2[2] (2011), $15.6[2] (2012), and $12.4[2] (2013).

In 2013, there were 35 employees in nonfuel mineral mines in Delaware and 36 in mills and preparation plants. In 2012, the corresponding numbers were 38 in nonfuel mineral mines and 37 in mills and preparation plants (U.S. Mine Safety and Health Administration, 2013, p. 8; 2014, p. 8).

In 2012 and 2013, on the basis of production quantity, Delaware was third in the production of magnesium compounds out of four producing States. Delaware also produced construction sand and gravel, and crushed stone (table 1). There were nine sand and gravel mines operating in the State and there were five dredges and four quarries/pits in both years (U.S. Mine Safety and Health Administration, 2016).

Commodity Review

The Delaware Geological Survey[3] (DGS) provided a report for the mineral industry of the State covering activities in 2012 and 2013 from which the following data have been extracted. These data may differ from U.S. Geological Survey (USGS) data,which are based on company responses to USGS surveys and estimation for nonrespondents. The USGS withheld some data to avoid disclosing company proprietary data.

Industrial Minerals

Mineral industry activity with respect to industrial minerals was as follows:

- Some sand was removed from offshore sources for beach replenishment.
- State and local agencies sometimes mined their own aggregates, which did not get reported.

References Cited

U.S. Mine Safety and Health Administration, 2016, Mine data sources and calculators—Data sources, MSHA datasets, employment/production data set (yearly). (Accessed April 1, 2016, at http://arlweb.msha.gov/OpenGovernmentData/OGIMSHA.asp.)

U.S. Mine Safety and Health Administration, [2013], Mine injury and worktime, quarterly, January–December 2012, Final, closeout edition, 33 p. (Accessed February 4, 2016, at http://arlweb.msha.gov/Stats/Part50/WQ/MasterFiles/MIWQ%20Master_20125.pdf.)

U.S. Mine Safety and Health Administration, [2014], Mine injury and worktime, quarterly, January–December 2013, Final, closeout edition, 34 p. (Accessed February 4, 2016, at http://arlweb.msha.gov/Stats/Part50/WQ/MasterFiles/MIWQ%20Master_20135.pdf.)

[1]The 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 USGS mineral production data published in this chapter are those available as of February 2016. Data in this report are rounded to three significant digits and percentages are calculated from unrounded data. All USGS Mineral Industry Surveys and USGS Minerals Yearbook chapters—mineral commodity, State, and country—can be retrieved over the Internet at http://minerals.usgs.gov/minerals.

[2]Partial total; excludes values that must be withheld to avoid disclosing company proprietary data.

[3]Dr. David R. Wunsch, Director and State Geologist, Delaware Geological Survey, provided the State mineral industry information.

TABLE 1
NONFUEL MINERAL PRODUCTION IN DELAWARE[1, 2]

(Thousand metric tons and thousand dollars)

Mineral	2011		2012		2013	
	Quantity	Value	Quantity	Value	Quantity	Value
Gemstones, natural	NA	1	NA	1	NA	1
Magnesium compounds	W	W	W	W	W	W
Sand and gravel, construction	1,910	11,200	1,820	15,600	1,580	12,400
Stone, crushed	W	W	W	W	W	W
Total	XX	11,200	XX	15,600	XX	12,400

NA Not available. W Withheld to avoid disclosing company proprietary data; excluded from "Total." 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
DELAWARE: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 2012,
BY MAJOR USE CATEGORY[1]

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Concrete aggregate and concrete products	500	$6,170	$12.34
Asphaltic concrete aggregates	(2)	1	9.97
Road base and coverings	8	155	19.38
Fill	381	1,980	5.20
Unspecified:[3]			
Reported	557	4,010	7.20
Estimated	375	3,310	8.83
Total or average	1,820	15,600	8.57

[1]Data are rounded to no more than three significant digits, except unit value; may not add to totals shown.
[2]Less than ½ unit.
[3]Reported and estimated production without a breakdown by end use.

TABLE 3
DELAWARE: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 2013,
BY MAJOR USE CATEGORY[1]

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Concrete aggregate and concrete products	546	$5,380	$9.86
Road base and coverings	7	115	16.43
Fill	286	1,780	6.24
Unspecified:[2]			
Reported	528	3,790	7.17
Estimated	211	1,300	6.17
Total or average	1,580	12,400	7.84

[1]Data are rounded to no more than three significant digits, except unit value; may not add to totals shown.
[2]Reported and estimated production without a breakdown by end use.