

Geoscience in Your State: Louisiana

Conservation is the study of the earth and the complex geologic, marine, atmospheric, and hydrologic processes that sustain it and the economy. Understanding the earth's surface and subsurface, its resources, history, and impacts allows one to develop solutions to ensure economic, environmental, health, and safety balance.



Healthcare business is the

- 63% productive employees, non-related self-employed
- 13% Millennials, 24% total productive workforce
- \$47 billion value of non-mined production in 2017
- 75 total barrel equivalents, including oil, coal, oil
liquids, and 4 years down from 193-201¹⁰
- \$41 billion, 73-83 years production 2017

- 5HT influences serotonin production in 5HT
- 5HT can be produced by the serotoninergic system of the brain and the 5HT

• 13 persone emigrano nel resto del mondo a.30'	• 12 mila del bel stato polacco.30'
• 30 mila emigrano per lavoro a.30'	• 3 mila del resto polacco.30'
• 13 mila emigrano per lavoro a.30'	• 13 mila del resto polacco.30'

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- 6,570 geoscience employees (excludes self-employed)¹
- 1.74 billion gallons/day: total groundwater withdrawal³

- \$477 million: value of nonfuel mineral production in 2017⁴
- 75 total disaster declarations, including 26 flood, 23 hurricane, and 14 severe storm disasters (1953-2017)⁶
- \$4.1 million: NSF GEO grants awarded in...

Read more in this Geoscience in Your State Factsheet...

Agencies Working on Geoscience Issues in Louisiana

Louisiana Coastal Protection and Restoration Authority

<http://coastal.la.gov/>

The CPRA is established as the single state entity with authority to articulate a clear statement of priorities and to focus development and implementation efforts to achieve comprehensive coastal protection for Louisiana. The Coastal Protection and Restoration Authority's mandate is to develop, implement, and enforce a comprehensive coastal protection and restoration Master Plan.

Louisiana Department of Environmental Quality

<https://deq.louisiana.gov/>

The Department's mission is to provide service to the people of Louisiana through comprehensive environmental protection in order to promote and protect health, safety and welfare while considering sound policies regarding employment and economic development.

Louisiana Department of Natural Resources

<http://www.dnr.louisiana.gov/>

The mission of the Louisiana Department of Natural Resources is to ensure and promote sustainable and responsible use of the natural resources of Louisiana so that they are available for the enjoyment and benefit of citizens now and in the future.

Louisiana Geological Survey

<https://www.lsu.edu/lgs/>

The goal of the Louisiana Geological Survey is to benefit the state of Louisiana by encouraging the economic development of the natural (energy, mineral, water and environmental) resources of the state; protecting the state and its citizens from natural, geological and environmental hazards; insuring the effective transfer of geological and oil and gas information.

Louisiana Governor's Office of Homeland Security and Emergency Preparedness

<http://gohsep.la.gov/>

GOHSEP works with local, State, Tribal and Federal authorities; private-sector partners; and private nonprofits (PNPs) to prepare for, prevent, respond to, recover from and mitigate against future emergencies and disasters.

Louisiana Oil Spill Coordinator's Office

<http://www.losco.state.la.us/>

LOSCO's primary function is to ensure effective coordination and representation of Louisiana's interests in all matters related to spill response and prevention. Its goals are to (1) minimize unauthorized discharges of oil, (2) provide for an effective spill response, (3) compensate the public for damages to the state's natural resources, and (4) assist the public through education, service, and public outreach.

Maps & Visualizations



Interactive map of offshore sand and gravel resources of the United States

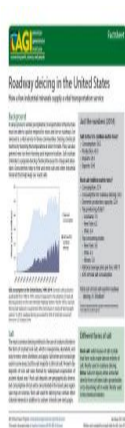
Bureau of Ocean Energy Management

The Bureau of Ocean Energy Management's Marine Minerals Information System (MMIS) provides an interactive map with information on offshore sand and gravel resources for 18 states on the Atlantic and Gulf coasts of the United States. The system

includes: Sand and gravel resources Marine...

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Case Studies & Factsheets



Roadway deicing in the United States

Background In areas prone to winter precipitation, transportation infrastructure must be able to quickly respond to snow and ice on roadways. Ice removal is a vital service in these communities. Deicing chemicals melt ice by lowering the temperature at which it melts. They can also prevent new ice...

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Webinars & Forums



Offshore Energy

This webinar is based on a Congressional briefing organized by the Advances in Earth Science coalition (16 May 2016). The webinar brings together experts from academia and government to explain the scientific and engineering tools that enable production in challenging environments far from land...

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