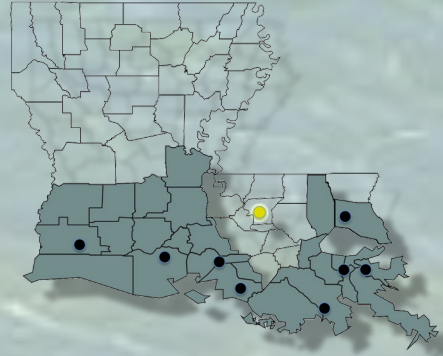


Louisiana Sea Grant

Engaging university-based expertise in natural and social sciences, engineering, law and other disciplines, Louisiana Sea Grant fulfills the need for fundamental knowledge, technological development, trained personnel and public awareness to advance the sustainable use of the state's coastal and marine resources.



At any given time, Louisiana Sea Grant manages or participates in more than 50 projects. The program's activities embrace four focus areas, as many as 14 academic institutions, 19 coastal parishes, and numerous partners in state and federal government, in addition to the private sector.

Research

With partners, Louisiana Sea Grant resource economists developed a tool to measure the cost efficiency of coastal restoration plans over a project's lifetime. The decision-making tool will help with selecting restoration projects.



Photo courtesy TaxCredits.net



Louisiana Sea Grant researchers are developing a new, lower-cost bait made from shrimp waste to bolster the state's commercial blue crab industry. More than 24 thousand metric tons of blue crab were harvested in Louisiana in 2012 with an economic value of more than \$52 million.

Louisiana Sea Grant-funded researcher Alex Kolker (LUMCON) is aiding in the state's understanding of how to restore the coastal zone in a way that also improves water quality. His work has identified a timing schedule by which river diversions can be operated.



Photo courtesy NASA



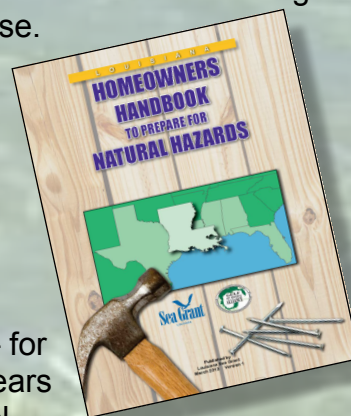
Outreach

The state's Disaster Mortuary Response Team used Louisiana Sea Grant researchers' geospatial cemetery data in Plaquemines and St. Bernard parishes to restore graves disturbed by Hurricane Isaac. Since 2011, Sea Grant has collected GIS data on coastal cemeteries that are vulnerable to coastal erosion, sea level rise and tropical storms.



More than 1,500 fishermen and other seafood industry personnel attended Sea Grant-sponsored workshops and seminars to learn about improving seafood quality and commercial fishing profitability. Workshops were held in various locations – Delcambre, Dulac, Venice, Cameron and Lacombe, to name a few – as well as conducted in English and Vietnamese.

Louisiana Sea Grant's Law & Policy Program composed and published the *Louisiana Homeowners Handbook to Prepare for Natural Hazards*. More than 6,500 copies were distributed, through May 2014.



Education



Each summer – for more than 20 years – 65 high school youth from different parishes across the state participate in Marsh Maneuvers. During the week-long residential camp, the students experience the coastal environment, learn about natural resources, help re-vegetate a marsh, and learn how the state's wetlands affects their lives.

Louisiana Sea Grant provides teachers with needed professional development on wetlands and other topics that affect our environment and that are relevant to K-12 students.

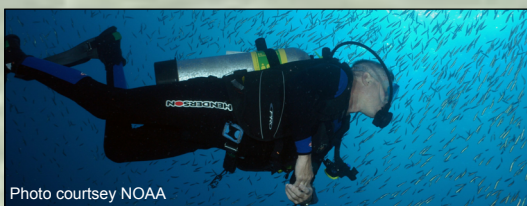


Photo courtesy NOAA

Louisiana Sea Grant's award-winning vessel encroachment practices plan helps ensure diver safety by teaching dive boat captains and commercial and recreational fishermen how to communicate with each other when a diver is in the water.