



NOAA in Your Backyard – The Gulf of Mexico Region

Educational Opportunities and Education and Outreach Specialists for TX, LA, AL, MS, and Western FL

NOAA in Your State – State by State Listings of NOAA Facilities and Programs

** A summary of NOAA facilities, staff, programs, or activities based in, or focused on, your state or territory.*

- <http://www.legislative.noaa.gov/NIYS/>

National Weather Service – School Visits, Forecast Office Tours, Student and Educator Resources

** The National Weather Service provides weather, hydrologic, and climate forecasts and warnings for the United States, its territories, adjacent waters and ocean areas.*

- **New Orleans/Baton Rouge Weather Forecast Office** - Slidell, LA – <http://weather.gov/neworleans>
Contact: Ken Graham (Meteorologist) - kenneth.graham@noaa.gov
- **Mobile/Pensacola Weather Forecast Office** – Mobile, AL - <http://www.srh.noaa.gov/mob/?n=education>
Contact: Joe Maniscalco (Meteorologist) – joe.maniscalco@noaa.gov
- **Lake Charles Weather Forecast Office** – Lake Charles, LA - <http://www.srh.noaa.gov/lch/?n=tours>
Contact: Roger Erickson (Warning Coordination Meteorologist) - roger.erickson@noaa.gov
- **Jackson Weather Forecast Office** – Jackson, MS - <http://www.srh.noaa.gov/jan/?n=outreach>
Contact: Steve Wilkinson (Warning Coordination Meteorologist) - stephen.wilkinson@noaa.gov
- **Tampa Bay Weather Forecast Office** – Ruskin, FL - <http://www.srh.noaa.gov/tbw/?n=tampabayofficetour>
Contact: Daniel Noah (Warning Coordination Meteorologist) - daniel.noah@noaa.gov
- **Tallahassee Weather Forecast Office** – Tallahassee, FL - <http://www.srh.noaa.gov/tae/?n=outreach>
Contact: Kelly Godsey (Meteorologist) - kelly.godsey@noaa.gov
- **Houston/Galveston Forecast Office** – Dickinson, TX - <http://weather.gov/houston>
Contact: Dan Reilly (Warning Coordination Meteorologist) - dan.reilly@noaa.gov
- **Dallas/Fort Worth Forecast Office** – Fort Worth, TX - <http://www.srh.noaa.gov/fwd/> and <http://www.srh.weather.gov/jetstream/>
Contact: Mark Fox (Warning Coordination Meteorologist)– mark.fox@noaa.com
- **Austin/San Antonio Forecast Office** – New Braunfels, TX - <http://www.srh.noaa.gov/ewx/?n=eduwlinks.htm>
Contact: Paul Yura (Warning Coordination Meteorologist) – paul.yura@noaa.gov

National Estuarine Research Reserve System – Field Trips, Professional Development, Educator Resources

** The National Estuarine Research Reserves System protects more than 1.3 million coastal and estuarine acres in 28 reserves located in 22 states and Puerto Rico for purposes of long-term research, environmental monitoring, education and stewardship.*

- **National Website** – www.nerrs.noaa.gov and www.estuaries.noaa.gov
- **Mission-Aransas Reserve (TX):** <http://www.missionaransas.org/education.html>
Contact: Carolyn Rose (Education Coordinator) - carolyn.rose@utexas.edu
- **Grand Bay Reserve (MS):** <http://grandbaynerr.org/education>
Contact: Jennifer Buchanan (Education Coordinator) - jen.buchanan@dmr.ms.gov
- **Weeks Bay Reserve (AL):** http://www.weeksbay.org/environmental_prgms.html
Contact: Margaret Sedlecky (Education Coordinator) - weeksbay@gulftel.com
- **Apalachicola Reserve (FL):** <http://apalachicolareserve.com/edu.php>
Contact: Jeff Dutrow (Education Coordinator) - Jeff.Dutrow@dep.state.fl.us
- **Rookery Bay Reserve (FL):** <https://rookerybay.org/learn/programs-and-events/students-teachers.html>
Contact: Sarah Falkowski (Education Coordinator) - sarah.falkowski@dep.state.fl.us



National Marine Fisheries in the Gulf – Student Opportunities, Laboratory Facilities, NOAA Scientists

** The NOAA Fisheries Service is dedicated to the stewardship of living marine resources through science-based conservation and management, and the promotion of healthy ecosystems. They have regional offices and several smaller field offices.*

- **National Website** – www.nmfs.noaa.gov/stories/2012/10/noaa_fisheries_education.html
- **Southeast Regional Office (St. Petersburg, FL):** http://sero.nmfs.noaa.gov/outreach_education/index.html
Contacts: Amy Clark (Education Coordinator – Stennis Space Center, MS) - amy.clark@noaa.gov and Cheryl Bonnes (Marine Mammal Outreach Specialist – St. Petersburg, FL) - cheryl.bonnes@noaa.gov
Gulf Field Offices: Galveston, TX; Baton Rouge, LA; Panama City, FL
- **Southeast Fisheries Science Centers (Miami, FL):** <http://www.sefsc.noaa.gov/education/>
Contacts: Essie Coleman Duffie (Miami, FL) - essie.c.duffie@noaa.gov and Donna Spiers (Stennis Space Center, MS) - donna.spiers@noaa.gov
Gulf Laboratory Facilities: Galveston, TX; Lafayette, LA; Pascagoula, MS; Stennis Space Center, MS; Panama City, FL

NOAA National Marine Sanctuaries – Field Trips, Professional Development, Educator Resources

** NOAA's 15 National Marine Sanctuaries serve as the trustee for the nation's system of marine protected areas, to conserve, protect, and enhance their biodiversity, ecological integrity and cultural legacy.*

- **National Website** – <http://sanctuaries.noaa.gov/education/welcome.html>
- **Flower Garden Banks Sanctuary (TX):** <http://flowergarden.noaa.gov/education/education.html>
Contact: Shelley DuPuy (Education and Outreach Coordinator) - shelley.dupuy@noaa.gov
- **Florida Keys Sanctuary (FL):** <http://floridakeys.noaa.gov/welcome.html>
Mary Tagliareni (Education and Outreach Team Lead) - mary.tagliareni@noaa.gov

Gulf of Mexico Bay-Watershed Education and Training (B-WET) Program - Competitive Grants

** B-WET is an environmental education program that promotes locally relevant, experiential learning in the K-12 environment.*

- **National Website** – <http://www.oesd.noaa.gov/grants/bwet.html#page=about>
- **Gulf of Mexico BWET** – http://sero.nmfs.noaa.gov/outreach_education/gulf_b_wet/index.html
Contact: Amy Clark (Gulf of Mexico BWET Program Manager) - amy.clark@noaa.gov

National Sea Grant Program – Professional Development, Curriculum, Student and Educator Resources

** Sea Grant is a nationwide network of 33 university-based programs that conduct scientific research, education, training, and extension projects designed to foster science-based decisions about the use and conservation of our aquatic resources.*

- **National Website** – www.seagrant.noaa.gov/HowWeWork/Education.aspx and <http://www.seagranted.net>
- **Louisiana Sea Grant** – <http://www.lamer.lsu.edu/>
Contact: Dianne Lindstedt (Education Coordinator) – dlindst@lsu.edu
- **Texas Sea Grant** - <http://texasseagrant.org/whatwedo/#education>
Contact: Terrie Looney (Extension Agent) - tslooney@ag.tamu.edu
- **Mississippi/Alabama Sea Grant** – <http://masgc.org/education>
Contact: Tina Miller-Way (Education Director) - tmiller-way@disl.org
- **Florida Sea Grant** – <https://www.flseagrant.org/education/>
Contact: Chris Verlinde (Extension Agent) - chrismv@ufl.edu

Integrated Ocean Observing System (IOOS) – Curriculum, Real World Data, and Multimedia

** The Gulf of Mexico Coastal Ocean Observing System is a coordinated network of people, equipment and technology working together to provide data on the status of the Gulf of Mexico's marine ecosystem in a variety of formats and applications.*

- **National Website** – www.ioos.noaa.gov/education/welcome.html
- **Gulf of Mexico Coastal Ocean Observing System:** http://gcoos.tamu.edu/?page_id=3067
Contact: Chris Simoniello (Education and Outreach Coordinator) - simo@marine.usf.edu

National Ocean Science Bowl - *Regional Competitions in the Ocean Sciences*

* *The NOSB is a national high school academic competition with regional competitions for student teams to test their knowledge of the marine sciences including biology, chemistry, physics, and geology.*

- **Dolphin Challenge** – <http://texasseagrant.org/programs/dolphin-challenge/>
Contact: Terrie Looney (Region Coordinator) - tslooney@ag.tamu.edu
- **Loggerhead Challenge** - <http://texasseagrant.org/programs/loggerhead-challenge/>
Contact: Terrie Looney (Region Coordinator) - tslooney@ag.tamu.edu
- **Hurricane Bowl** – <http://www.usm.edu/gcrl/mec/national.ocean.sciences.bowl.php>
Contact: Aaron Lamey (Region Coordinator) - aaron.lamey@usm.edu
- **Spoonbill Bowl** – <http://www.marine.usf.edu/outreach/spoonbill>
Contact: Dr. Teresa Greely (Region Coordinator) - greely@usf.edu

National Data Buoy Center (NDBC) – *Visitor Center, Labs, NOAA Scientists and Data*

* *The NDBC is a part of the National Weather Service (NWS) and designs, develops, operates, and maintains a network of data collecting buoys and coastal stations.*

- **NDBC at Stennis Space Center** – <http://www.ndbc.noaa.gov/visitorinfo.shtml>
Contact: Angela Strong (Program Management Analyst) - angela.strong@noaa.gov

National Coastal Data Development Center (NCDDC) – *Visitor Center, Labs, NOAA Scientists and Data*

* *The NCDDC brings together diverse coastal data from a variety of sources and creates ways for users to access the data with the goal of increased utilization of coastal and oceanographic data to improve understanding, management, and use of coastal areas.*

- **NCDDC at Stennis Space Center** – <http://www.ncddc.noaa.gov/about-ncddc/outreach/>
Contact: Angela Sallis (Outreach Coordinator) – Angela.Sallis@noaa.gov

Northern Gulf Institute – *Listserv and Newsletter, Annual Conference, Student Opportunities*

* *The Northern Gulf Institute is a cooperative institute between NOAA and several universities to conduct research that builds an integrated, comprehensive understanding of natural and human impacts on northern Gulf of Mexico ecosystems and associated economies to improve its management.*

- **Northern Gulf Institute at the Stennis Space Center** - <http://www.northerngulfinstitute.org/outreach/>
Contact: Dr. Steve Ashby (Co-Director) - sashby@gri.msstate.edu

Gulf of Mexico Alliance – *Educator Resources, Listserv, Social Media*

**The Gulf of Mexico Alliance is a partnership of the five Gulf States, federal agencies, academic organizations, businesses, and other non-profits in the region with the goal of significantly increasing regional collaboration to enhance the environmental and economic health of the Gulf of Mexico.*

- Located in Ocean Springs, MS – <http://www.gulfofmexicoalliance.org/our-priorities/environmental-education/>
Contact: Lee Yokel (PIT Coordinator) - Lee.Yokel@gomxa.org

Centers for Ocean Science Education Excellence (COSEE) – *Educator Workshops, Resources, Connect to Scientists*

**COSEE is a network of over 270 institutional partners with the mission to spark and nurture collaborations among research scientists and educators to advance ocean discovery and make known the vital role of the ocean in our lives. (Most information is archived)*

- **National Website** – <http://www.cosee.net/>
- **COSEE Central Gulf Coast (MS)** - <http://cosee-central-gom.org/forteachers.htm>
Contact: Dr. Sharon Walker (Director) - sharon.walker@usm.edu or cosee-central-gom.org/contacts.htm
- **COSEE Florida (FL)** - <http://www.coseeflorida.org/educators.html>
Contact: Dr. Sue Cook (Director) - scook@irsc.edu or <http://www.coseeflorida.org/contact/>

Local NOAA Vessels – Follow Current Science in the Gulf of Mexico

- **NOAA Teacher at Sea** (follow teacher blogs onboard the ships) - <http://teacheratsea.noaa.gov/>
- **NOAA Ship Pisces** (Pascagoula, MS) - <http://www.moc.noaa.gov/pc/index.html>
- **NOAA Ship Oregon II** (Pascagoula, MS) - <http://www.moc.noaa.gov/ot/index.html>
- **NOAA Ship Gordon Gunter** (Pascagoula, MS) - <http://www.moc.noaa.gov/gu/index.html>

Gulf of Mexico Data Resources – Historical and Real-Time Data

- NOAA Gulf of Mexico Data Atlas - <http://gulfatlas.noaa.gov>
- Gulf of Mexico Hypoxia Watch - <http://www.ncddc.noaa.gov/hypoxia/products/>
- GCOOS Data Portal - <http://data.gcoos.org>
- GCOOS Interactive Boaters Map - <http://gcoos.org/products/maps/boaters/#>
- River Forecast Maps (Flooding) - <http://water.weather.gov/ahps/region.php?wrr=3>
- Gulf Coast Ecosystem Restoration Council- <http://www.restorethegulf.gov/>
- Deepwater Horizon Project Tracker - www.dwhprojecttracker.org
- State of the Coast Gulf Report - <http://stateofthecoast.noaa.gov/gulfreport.html>
- Gulf Oil Spill Educator Resources - http://www.education.noaa.gov/Ocean_and_Coasts/Oil_Spill.html
- NOAA Facilities and Data for the Gulf of Mexico Region - <http://igulf.noaa.gov/>
- Regional Climate Data - <http://www.weather.gov/climate/xmacis.php?wfo=lix>

Local Weather Events – Local Historical Weather Data

- New Orleans/Baton Rouge Weather Events - http://www.srh.noaa.gov/lix/?n=past_wx_events
- Mobile/Pensacola Significant Weather Events - <http://www.srh.noaa.gov/mob/?n=events>
- Lake Charles Significant Weather Events - <http://www.srh.noaa.gov/lch/?n=events>
- Historical Hurricane Tracks - <http://www.csc.noaa.gov/hurricanes/#app=3d30&3e3d-selectedIndex=0>
- Major SE Texas Weather Events - http://www.srh.noaa.gov/hgx/?n=major_events
- Fort Worth Research and Weather Events - <http://www.srh.noaa.gov/fwd/?n=research>
- Mississippi River Flood History (1543 – present) - http://www.srh.noaa.gov/lix/?n=ms_flood_history

NOAA Science on a Sphere Locations – Earth Systems Data Shown on a 6-foot Globe

** SOS is a room-sized, global display system that uses computers and video projectors to display planetary data onto a six foot diameter sphere, analogous to a giant animated globe. It was developed by researchers at NOAA to help illustrate complex environmental processes (atmospheric storms, ocean currents, climate change, etc...) in a captivating way.*

- McWane Science Center (Birmingham, AL) - <http://www.mcwane.org/>
- Orlando Science Center (Orlando, FL) - <http://www.osc.org/>
- E.O. Wilson Biophilia Center (Freeport, FL) - <http://www.eowilsoncenter.org>
- Infinity Science Center (Hancock County, MS) - <http://www.visitinfinity.com/exhibits/science-on-a-sphere/>
- Bay Education Center (Rockport, TX) - <http://www.youtube.com/watch?v=mlfRzwybpos>
- Houston Museum of Natural Science (Sugarland, TX) - <http://www.hmns.org/>
- International Museum of Art and Science (McAllen, TX) - <http://www.imasonline.org/dev/>