



NOAA in Your Backyard – The Southeast Region

Educational Opportunities and Education and Outreach Specialists for TN, KY, GA, FL, NC, and SC

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/>

NOAA in the Carolinas – NOAA data, news, and current research in North and South Carolina

- <http://www.carolinas.noaa.gov/>

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.*

- **Louisville Weather Forecast Office (Louisville, KY)** – <http://www.crh.noaa.gov/lmk/?n=outreach>
Contact: Joe Sullivan (Warning Coordination Meteorologist) - joe.sullivan@noaa.gov
- **Nashville Weather Forecast Office (Old Hickory, TN)** – <http://www.srh.noaa.gov/ohx/?n=outreach>
Contact: Tom Johnstone (Warning Coordination Meteorologist) - thomas.johnstone@noaa.gov
- **Raleigh Weather Forecast Office (Raleigh, NC)** – <http://www.erh.noaa.gov/rah/tours/>
Contact: Nick Petro (Warning Coordination Meteorologist) - nicholas.petro@noaa.gov
- **Columbia Weather Forecast Office (West Columbia, SC)** – <http://www.erh.noaa.gov/cae/outreach.htm>
Contact: Steve Naglic (Warning Coordination Meteorologist) - steven.naglic@noaa.gov or caewx@noaa.gov
- **Peachtree Weather Forecast Office (Peachtree, GA)** – <http://www.srh.noaa.gov/ffc/?n=outreach>
Contact: Barry Gooden (Warning Coordination Meteorologist) - barry.gooden@noaa.gov
- **Not in one of the above areas. Find Your Local Weather Forecasting Office at** – <http://weather.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.*

- **North Carolina Reserve System (NC)** – <http://www.nccoastalreserve.net/Education/7.aspx>
** A collaboration of 10 different federal and state reserves along the North Carolina coast*
Contact: Lori Davis (Education Coordinator) - lori.c.davis@ncdenr.gov
- **North Inlet-Winyah Bay Reserve (SC)** – <http://www.northinlet.sc.edu/education/index.html>
Contact: Beth Thomas (Education Coordinator) - beth@belle.baruch.sc.edu
- **ACE Basin Reserve (SC)** – <http://www.dnr.sc.gov/marine/NERR/education.html>
Contact: Louie Heyward (Education Coordinator) - heywardl@dnr.sc.gov
- **Sapelo Island Reserve (GA)** – <http://www.sapelonerr.org/education.htm>
Contact: Adam MacKinnon (Education Coordinator) - Adam.Mackinnon@dnr.state.ga.us
- **Guana Tolomato Matanzas Reserve (FL)** – <http://www.dep.state.fl.us/coastal/sites/gtm/education/>
Contact: Kenneth Rainer (Education Coordinator) - Kenneth.Rainer@dep.state.fl.us

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>
- **Gray's Reef National Marine Sanctuary (GA)** – <http://graysreef.noaa.gov/>
Contact: Cathy Sakas (Education Coordinator) - Cathy.Sakas@noaa.gov



- **Monitor National Marine Sanctuary (NC/VA)** – <http://monitor.noaa.gov/>
Contact: Shannon Ricles (Education Coordinator) – Shannon.Ricles@noaa.gov
- **Florida Keys National Marine Sanctuary (FL)** – <http://floridakeys.noaa.gov/>
Contact: Mary Tagliareni (Deputy Superintendent/Education Coordinator) – Mary.Tagliareni@noaa.gov

National Marine Fisheries in the Southeast – *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.

- **Southeast Regional Office (St. Petersburg, FL):** <http://sero.nmfs.noaa.gov/outreach/EducationOutreach.htm>
Contact: Amy Clark (Education Coordinator – Stennis Space Center, MS) - amy.clark@noaa.gov
Field Offices: Panama City, FL; Charleston, SC; Beaufort, NC; St. Augustine, FL; West Palm Beach, FL; Fort Lauderdale, FL
- **Southeast Fisheries Science Centers (Miami, FL):** <http://www.sefsc.noaa.gov/education/>
Contact: Essie Coleman Duffie (Miami, FL) - essie.c.duffie@noaa.gov
Laboratory Facilities: Galveston, TX; Lafayette, LA; Pascagoula, MS; Stennis Space Ctr, MS; Panama City, FL; Beaufort, NC

NOAA Undersea Research Center – *Lesson Plans, Careers, Multimedia*

* The National Undersea Research Center at UNC-Wilmington is part of the National Undersea Research Program (NURP) and supports undersea research off the southeastern United States from North Carolina to Texas including the Aquarius Reef Base.

- <http://www.uncw.edu/nurc/index.htm#>
Contact: Thomas Potts (Aquarius Program Director) - pottst@uncw.edu

Southeast Coastal Ocean Observing Regional Association – *Data, Curriculum Modules, Observation Buoys*

* SECOORA coordinates coastal and ocean observing activities and creates data products for the Southeast United States to inform decision makers and the general public.

- **Southeast Atlantic Coastal Ocean Observing System:** <http://classroom.secoora.org/classroom>
Contact: Susannah Sheldon (Program Manager) - susannah@secoora.org

Hollings Marine Laboratory (HML) – *Data, NOAA Scientists and Laboratories, Publications*

* Located in Charleston, SC, HML is a 102,000 sq ft laboratory designed to bring basic, applied, and medical researchers together to work collaboratively on factors that affect the health of coastal waters and humans who live in or visit the coastal zone.

- **NOAA Center for Human Health Risk** – <http://coastalhealth.noaa.gov/>
Contact: Susan Lovelace (Environmental Social Scientist) - susan.lovelace@noaa.gov

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

* Sea Grant is a nationwide network of 32 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.

- **North Carolina Sea Grant** – <http://www.ncseagrant.org/home/resource-library/marine-education>
Contact: Terri Kirby Hathaway (Marine Education Specialist) - terrikh@csi.northcarolina.edu
- **South Carolina Sea Grant** – <http://www.scseagrant.org/Education/>
Contact: Elizabeth Vernon Bell (Marine Education Specialist) - Elizabeth.Vernon@scseagrant.org
- **Georgia Sea Grant** – <http://georgiaseagrant.uga.edu/article/education/>
Contact: Mare Timmons (Marine Education Specialist) - mare@uga.edu
- **Florida Sea Grant** – <http://flseagrant.org/>
Contact: Michael Spranger (Associate Director for Extension and Education) - spranger@ufl.edu

National Climatic Data Center (NCDC) – *Student Activities, Climate Data, Educator Resources*

* NCDC is located in Asheville, North Carolina and is the world's largest active archive of weather data. They produce numerous climate publications and respond to data requests from all over the world.

- <http://www.ncdc.noaa.gov/oa/edu.html>
Contact: Greg Hammer (Meteorologist) - gregory.r.hammer@noaa.gov



National Ocean Science Bowl (NOSB) – 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.

- **Find Your Region:** <http://www.nosb.org/competitions-2/regional-competition-map/>

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.

- National Website – <http://www.cosee.net/>
- **COSEE Southeast (SC)** – <http://www.cosee-se.org/ForEducators/>
Contact: Dr. Lundie Spence (Director) - lundie.spence@scseagrant.org or <http://www.cosee-se.org/contact/>
- **COSEE Florida (FL)** – <http://www.coseeflorida.org/about/>
Contact: Dr. Sue Cook (Director) - scook@irsc.edu or <http://www.coseeflorida.org/contact/>

Local NOAA Vessels – Follow Current Science in the Atlantic Ocean

- **NOAA Teacher at Sea** (follow teacher blogs onboard the ships) - <http://teacheratsea.noaa.gov/>
- **NOAA Ship Ronald H. Brown** (Charleston, SC) - <http://www.moc.noaa.gov/rb/index.html>
- **NOAA Ship Nancy Foster** (Charleston, SC) - <http://www.moc.noaa.gov/nf/index.html>

Southeast Data Resources – Historical and Real-Time Data

- NOAA Digital Coast Data (benthic, elevation, land cover, etc...) – <http://www.csc.noaa.gov/data/>
- Tides and Currents Data – <http://tidesandcurrents.noaa.gov/gmap3/>
- Atlantic Ocean Buoy Data – <http://www.ndbc.noaa.gov/>
- Invasive Lionfish Facts/Media – http://www.ccfhr.noaa.gov/stressors/lionfish_outreach.aspx
- Southeast River Forecast Center – <http://water.weather.gov/ahps/region.php?rfc=serfc>
- Interactive Climate Data – <http://gis.ncdc.noaa.gov/map/cdo/>
- US Drought Monitor – <http://www.droughtmonitor.unl.edu/>
- National Hurricane Center – <http://www.nhc.noaa.gov/>

Local Weather Events – Local Historical Weather Data

- The Great Flood of 1937 (Louisville, KY) – http://www.crh.noaa.gov/lmk/?n=flood_37
- Middle Tennessee Tornado Database – <http://www.srh.noaa.gov/ohx/?n=tornadodatabase>
- Remembering the May 2010 Tennessee Flood – http://www.srh.noaa.gov/news/display_cmsstory.php?wfo=ohx&storyid=67318&source=2
- Hurricane Floyd – <http://www.erh.noaa.gov/mhx/Floyd/>
- Extreme Weather Events (Columbia, SC) – <http://www.erh.noaa.gov/cae/EventArchive.php>
- Significant Weather Event Archive (Charleston/Savannah) – <http://www.erh.noaa.gov/chs//events.shtml>

NOAA Science On a Sphere® (SOS) 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.

- North Carolina Aquarium (Manteo, NC) – <http://www.ncaquariums.com/roanoke-island>
- US Astronaut Hall of Fame (Titusville, FL) – <http://www.kennedyspacecenter.com/astronaut-hall-of-fame.aspx>
- Orlando Science Center (Orlando, FL) – <http://www.osc.org/>

