



NOAA in Your Backyard – Alaska

Educational Opportunities and Education and Outreach Specialists for the state of Alaska

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.

- **Anchorage Weather Forecast Office** - <http://pafc.arh.noaa.gov/outreach/office.php>
Contact: Sam Albanese (Warning Coordination Meteorologist) - sam.albanese@noaa.gov
- **Fairbanks Weather Forecast Office** - <http://pafg.arh.noaa.gov/>
Contact: John Lingaas (Warning Coordination Meteorologist) – john.lingaas@noaa.gov
- **Juneau Weather Forecast Office** - <http://pajk.arh.noaa.gov/OurOffice/VTIntro.html>
Contact: Joel Curtis (Warning Coordination Meteorologist) – joel.curtis@noaa.gov
- Additional weather service offices in Metlakatla, Barrow, Bethel, Cold Bay, King Salmon, Kodiak, Kotzebue, McGrath, Nome, St. Paul, Valdez, and Yakutat

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
- **Kachemak Bay Reserve:** http://www.adfg.alaska.gov/index.cfm?adfg=kbr_education.home
Contact: Carmen Field (Marine Educator) – carmen.field@alaska.gov

National Marine Fisheries in Alaska – Student Opportunities, Laboratory Facilities, NOAA Scientists, Educator Resources

* 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
- **Alaska Fisheries Science Center:** <http://www.afsc.noaa.gov/Education/default.htm>
Contacts: Lisa Hiruki-Raring (Seattle) – lisa.hiruki-raring@noaa.gov or Bonita Nelson (Juneau) – bonita.nelson@noaa.gov
Laboratory Facilities: Auke Bay, Lena Point, Kodiak, Dutch Harbor, Anchorage, Little Port Walter, and Pribilof Islands

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

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

- **National Website** – www.ioos.noaa.gov/education/welcome.html
- **Alaska Ocean Observing System** - www.aos.org/ocean-science-outreach-and-educational-resources/
Contact: Darcy Dugan (Program Manager) – dugan@aos.org

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.

- **Alaska Tsunami Bowl** – <http://seagrant.uaf.edu/nosb/index.html>
Contact: Phyllis Shoemaker (Region Coordinator) – phyllis.shoemaker@alaska.edu



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>
- **Alaska Sea Grant** - <http://seagrant.uaf.edu/marine-ed/index.html>
Contact: Marilyn Sigman (Marine Education Specialist) - marilyn.sigman@alaska.edu

National Tsunami Warning Center (NTWC) – Student and Educator Resources, Tours, Data Resources

** Located in Palmer, the NTWC's responsibility is to issue tsunami warnings for the U.S. Pacific coast, British Columbia, U.S. Atlantic and Gulf of Mexico coasts, Puerto Rico, the Virgin Islands, and the Atlantic coast of Canada.*

- **NOAA Tsunami Website** - <http://www.tsunami.noaa.gov/>
- **National Tsunami Warning Center (Palmer)** - <http://ntwc.arh.noaa.gov/>
Contact: Paul Whitmore (Supervisory Physical Scientist) - paul.whitmore@noaa.gov

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 Alaska** – <http://www.coseealaska.net/resources/>
Contact: Marilyn Sigman (Marine Education Specialist) - marilyn.sigman@alaska.edu

Cooperative Institute for Alaska Research (CIFAR) – Student Grants and Educator Workshops

**The purpose of the CIFAR is to foster collaboration between NOAA, the University of Alaska, and others doing research in Alaska and its associated Arctic regions.*

- <http://www.cifar.uaf.edu/education/education.php>
- Contact: Sarah Garcia (CIFAR Administrator) - ssgarcia@alaska.edu

Local NOAA Vessels – Follow Current Science off the Coast of Alaska

- **NOAA Teacher at Sea** (follow teacher blogs onboard the ships) - <http://teacheratsea.noaa.gov/>
- **NOAA Ship Oscar Dyson** (Kodiak) - <http://www.moc.noaa.gov/od/index.htm>
- **NOAA Ship Rainier** (Newport, OR) - <http://www.moc.noaa.gov/ra/index.htm>
- **NOAA Ship Fairweather** (Ketchikan) - <http://www.moc.noaa.gov/fa/index.htm>

Alaska Data and Educational Resources – Historical and Real-Time Data

- Alaska Pacific River Forecast Center - <http://aprfc.arh.noaa.gov/>
- Tsunami Events and Relevant Data - http://nctr.pmel.noaa.gov/database_devel.html
- Alaska Tide Tables - <http://tidesonline.nos.noaa.gov/coastline.shtml?region=ak>
- Alaska Climate Data - <http://www.nws.noaa.gov/climate/index.php?wfo=pafg>
- Space Weather Prediction Center - <http://www.swpc.noaa.gov/>
- Alaska Region Video Gallery - <http://www.arh.noaa.gov/video/>
- NOAA Arctic Theme Page - <http://www.arctic.noaa.gov/>
- Alaska Marine Buoy Data - <http://www.ndbc.noaa.gov/maps/Alaska.shtml>
- Alaska Marine Forecasts - <http://www.arh.noaa.gov/textforecasts.php?type=marine>

Local Weather Events – Local Historical Weather Data

- Archived Alaska Weather Stories - <http://pafc.arh.noaa.gov/stories/>
- Sand Point Tornado - http://pafc.arh.noaa.gov/classroom/sand_point.php
- 1984 Thanksgiving Day Storm in Southeast Alaska - <http://pajk.arh.noaa.gov/Articles/articles/thanksgivingStorm.php>
- Alaskan Guide to El Nino and La Nina - http://pafc.arh.noaa.gov/classroom/el_nino.php
- Anchorage Bowl Phenomena (presentation) - http://pafc.arh.noaa.gov/classroom/anchorage_bowl_files/frame.htm

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.*

- Alaska State Museum (Juneau, AK) - <http://www.museums.state.ak.us/asm/asmhome.html>
- Ted Stevens Marine Research Institute (Juneau, AK) - <http://www.afsc.noaa.gov/abl/TSMRI.htm>