



New Jersey Sea Grant Consortium is an affiliation of colleges, universities and other groups dedicated to advancing knowledge and stewardship of New Jersey's marine and coastal environment.

Our mission is met through research, education and extension programs. Since 1976 the Consortium has managed the Sea Grant Program in the state of New Jersey.

National Sea Grant College Program

- Administered by NOAA, Sea Grant is a national network of 32 programs dedicated to helping citizens use scientific information to responsibly use America's coastal resources.
- Each Sea Grant program fosters science-based decision making for our nation's aquatic resources through integrated research, education, and extension projects.
- Since each Sea Grant program is locally-based, staff members live in and are intimately connected to the communities they serve.



Sea Grant Funding

- **State by State** -- Sea Grant Programs receive core funding on an annual or biannual basis for a variety of marine research, outreach and education projects.
- **Nationally** – The National Program also offers a series of opportunities for funding through National Strategic Investments (NSIs) which have a national focus but also complement each state’s strategic goals. Projects are generally selected through annual national competitions.

Fellowships for Graduate Students

- **John A. Knauss Marine Policy Fellowship** matches highly-qualified graduate students who have an interest in ocean, coastal and Great Lakes resources and in the national policies affecting those resources with “hosts” in legislative and executive government branches for a 1-year paid fellowship in Washington, D.C.
- **Sea Grant/NOAA Fisheries Graduate Fellowship** is for doctorate candidates who are interested in either population dynamics and marine resource economics. With goals to encourage careers in these areas and to foster closer relationships between academic scientists and NOAA fisheries, this opportunity offers real-world experience to graduate students as it increases their expertise.

Education Program at New Jersey Sea Grant Consortium



K-12 Students

After-School Programs

College Students

Educators (in and pre service)

Family Groups

**Scout Troops and
other informal groups**

The Public

ALL NJSGC education activities share a two-fold mission

To **assure that** New Jersey's residents and visitors understand, value and appreciate New Jersey's marine and coastal environment and are able to make informed decisions regarding its use, management and care

To be a **resource partner** for education reform and ocean science literacy



Pre-College (K-12) Programs

A truly *comprehensive* approach combining proven pedagogies with marine science content.

Programs and services for K-12 audiences include:

- Field Trips
- Professional Development Workshops and Presentations
- Curriculum Development
- In-school, after-school and site specific programs
- Family Programs
- Summer Camp
- Outreach Events



In 2011, 22,000 K-12 students received direct instruction in marine science by NJS GC staff representing about 160,000 contact hours

College Program

College-level coursework offered each summer

Courses are recognized by the Consortium's member institutions

Most classes include outdoor instruction and employ "hands-on" methods

Independent study and internships also provided, especially for pre-service education students



NJ's college students have EQUAL ACCESS to quality coursework and real-world experiences in marine science. In 2011, 100 students participated.

Professional Development

- **Grant-funded projects: Geoscience Education, All Hands on Deck, Biology of the NY/NJ Harbor Estuary**
- **Workshops, in-services and conference presentations: NJ Science Teacher's Convention, Ocean County Environmental Educator's Roundtable, Stars Challenge, NJ Marine Educator's "Teach at the Beach"**
- **Curriculum Development: Materials posted on website and contributed to outside publications (Key Species of NY/NJ Harbor Estuary, Discovering Barnegat Bay, HEP Teacher's Guide, Down Jersey)**



**Marine science becomes part of the curriculum.
Field trips extend to in-depth units of study.**

Public Outreach



New Jersey Sea Grant Consortium &
NJ Department of Transportation Office of Maritime Resources invite you to

COAST DAY NJ

Sunday, October 10
11 - 4

Exhibits	Kids' Activities
Eco & Dock Tours	Touch Tanks
Live Music	Crab Races

FREE ADMISSION
FREE PARKING

Lobster House Restaurant - Cape May, NJ
NJAS Nature Center of Cape May

For more info: www.njmssc.org 732-872-1300 x-19