Delaware Sea Grant is one of 34 Sea Grant college programs and is based at the University of Delaware College of Earth, Ocean and Environment.

**Delaware Sea Grant helps remove hazard**

In 2019, Delaware Sea Grant’s Kate Fleming and the University of Delaware’s Art Trembanis used side-scan sonar to locate scores of crab pots that had been lost or abandoned in Delaware’s Inland Bays. Those pots can cause damage to boat propellers and can ‘ghost fish,’ trapping sea creatures that die and rebait the pots, thereby negatively affecting crab populations. This January, they led a clean-up that retrieved 114 pots, in partnership with the state Department of Natural Resources and Environmental Control and the NOAA Marine Debris Program.

**deseagrant.org**

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**12,103**

people engaged in Sea Grant-supported informal education

**28**

trainings and technical assistance events for community hazards

**1,922**

volunteer hours

Metrics reported to National Sea Grant Office in June 2019 for work completed Feb 2018 to Jan 2019
Delaware Sea Grant supports green infrastructure internships

Mitigating the effects of severe coastal storms and sea level rise are challenging and increasingly urgent issues for Delaware communities. Riparian buffers, rain gardens, living shorelines, and constructed oyster reefs offer emerging solutions. However, these green infrastructure practices have not been widely used in Delaware. One contributing factor is a lack of design and construction experience with these techniques within industry. To address this, Delaware Sea Grant established a workforce development program for Delaware Technical and Community College students that provided hands-on design and construction experience for 13 students, with the intent of increasing capacity within the workforce.

https://www.deseagrant.org/news-all/green-infrastructure

“The intent was to educate people that may enter the work force sooner, rather than later, so that they’re joining companies and organizations that don’t have that green infrastructure experience. Just having one person in an organization who says ‘Yes, I know what a living shoreline is’ or ‘I know what a rain garden is; we can do this work’ would hopefully begin to change that paradigm.”

- Christian Hauser, Associate Director, Delaware Sea Grant

Algicide from DESG research earns patent

Harmful algal blooms (HABs) can sicken and possibly kill marine mammals, fish, birds and even people. Local economies dependent on tourism, clean beaches and healthy fisheries also suffer losses. Delaware Sea Grant Director Dr. Kathryn Coyne led a team that invented an application using immobilized algicidal bacteria to keep these toxic organisms in check, without harming other marine life.

Coastal Paddling Map for south-eastern Delaware released

Community Development Specialist Ed Lewandowski helped lead the creation of a Coastal Paddling Map to promote safe and enjoyable kayaking and canoeing for residents and tourists. The map includes 16 unique trips that range from 1-10 miles—from Milton down to Fenwick—and offer excursions through marshes, woodlands, bays and the ocean. Visit paddlecoastaldelaware.com

Evaluating microplastic pollution

Delaware Sea Grant-funded research found microplastics are common within Delaware Bay and converge at the estuarine turbidity maximum (near the C&D Canal) and other salinity fronts. In these hot spots, plastics concentrations are 10 to 100 times higher than in other areas. Laboratory research found that equivalent concentrations do not cause mortality in adult zooplankton.