



# ILLINOIS-INDIANA SEA GRANT



February 2018

Illinois-Indiana (IL-IN) Sea Grant is one of 33 Sea Grant college programs and is a collaborative program between the University of Illinois and Purdue University.



IL-IN Sea Grant connected restaurant chefs with local aquaculture farmers, including Karleana Brown, co-owner of one of 11 shrimp farms in Indiana.

Credit: Abigail Bobrow

## Eight Indiana shrimp producers save more than \$56,000 in production costs

An IL-IN Sea Grant economic study of raising shrimp has helped eight Indiana shrimp farmers grow their businesses and, altogether, save more than \$56,000 in production costs. Indiana aquaculture producers compete for customers with much more affordable imported seafood. IL-IN Sea Grant's aquaculture marketing specialist helped shrimp farmers draft a plan to optimize production when harvesting shrimp, lowering production costs and making Indiana's shrimp farmers more competitive in the market.

[iiseagrant.org](http://iiseagrant.org)

66,000

Acres of coastal habitat protected, enhanced or restored



29,000

K-12 students reached

2,100

Workshop and conference participants



Metrics reported to National Sea Grant Office in June 2017 for work completed February 2016 to January 2017



RESEARCH

EXTENSION

EDUCATION

## Illinois city is the first in nation working to address sewage overflow with 100% green infrastructure



Peoria, Illinois residents share their community values as part of a Sea Grant-led workshop.

Credit: Abigail Bobrow

The City of Peoria, Illinois is addressing a water resource problem that can lead to raw sewage flowing into the Illinois River when large storms or snow melt overwhelm the city's stormwater infrastructure. IL-IN Sea Grant led Peoria stakeholder groups through the Tipping Point Planner process to identify community values and assets, provide education on stormwater and green infrastructure best practices and identify the most appropriate strategies for the community. Peoria is the first city in the nation working to address its combined sewer overflow problems using 100 percent green infrastructure.

[iiseagrant.org/topic\\_water.php](http://iiseagrant.org/topic_water.php)

**“Peoria has an issue they’re trying to resolve and there are very costly solutions to it, but we’re working with Sea Grant to help them explore alternatives that are less costly and would provide other environmental benefits as well.”**

- Dr. Bernie Engel, Purdue department head of Agricultural and Biological Engineering

### Improving Science Education with Hydrolab



IL-IN Sea Grant coordinates the Limno Loan program, which allows educators to borrow water monitoring equipment (Hydrolab) used by scientists for classroom and field use. Educators also have access to Hydrolab training and online resources. In 2016, 25 educators took part, reaching over 1,500 students, improving their motivation to learn, and their ability to interpret and graph data.

### Keeping Unwanted Medicine Out of Waterways



In 2016, IL-IN Sea Grant provided technical assistance to Clinton County, Illinois on how to start a medicine collection program and supplied collection boxes to two local law enforcement offices. Sea Grant now supports a total of 51 permanent medicine collection programs across the Great Lakes. In 2016, these programs collected and properly disposed of 24,330 pounds of medication.

### Creating Tools to Better Use Great Lakes Data



IL-IN Sea Grant collaborated on the development of state-of-the-art techniques to analyze Great Lakes sensor data streams in near real time. These techniques are now in routine use by federal and state agencies, helping to answer management questions, including how changes in the hypoxic layer of Lake Erie affect commercial fishing catches.