

### SPOTLIGHT:

# AMERICAN SHAD

Shad's cultural and economic importance stretches back to the American Revolution, earning it the nickname "Founding Fish." Shad helped feed the Continental Army, and George Washington caught shad on their spawning runs up the Potomac River. But a deadly mix of overfishing and habitat loss has pushed shad populations to historic lows. In rivers, shad are threatened by dredging, dams, and pollution. At sea, they're taken accidentally as what's called "bycatch." In 2013 East Coast states faced tight restrictions on recreational shad fishing. But industrial trawlers targeting herring, mackerel, and squid still catch shad incidentally in giant nets. Recovery for shad must include increased monitoring of this fleet and federally-managed limits to reduce the amount caught at sea. Restoring American shad will strengthen our coastal ecosystem and revive a historic fishing tradition.



Rich Watts, MD DNR

#### Little Fish Make Big Fish

A trophy catch for a father-daughter day of fishing. Striped bass, or rockfish, like this one need healthy forage fish for prey. Saltwater angling makes for more than fond memories—it also generates big business for the coastal economy. Because prey feed these commercially important species, forage fish are worth more when left in the water than they are when caught in the trawler nets.

### Who wants the prey?

Across the United States, market pressure is increasing to expand industrial fishing for prey species which often become ingredients in many popular products, such as pet food and fertilizer. And they are ground up to become ingredients in fish meal used by the booming global fish-farming industry. Farmed fish now account for almost half of the seafood consumed by people worldwide.

Although prey species have been known for their abundance and rapid reproduction, scientists are finding evidence that their populations are just as susceptible to long-term population declines as animals higher on the food chain.

**40%** 

Prey species constitute this share of the global catch of wild marine fish

### **Finding solutions**

Fishery managers must consider the role that basic prey species play in the marine food web and weigh their importance when setting fishing rules. Taking scientific stock of the state of prey species is critical. Special protections for prey are needed particularly to help ensure sufficient food for overfished species that are trying to rebuild their populations. Prey protections are the best way to guarantee abundant food and a healthy ocean ecosystem for marine life that draws millions of people to the coast for diving, fishing, boating and other recreation.

## Case study: Atlantic menhaden



Menhaden are often called the most important fish in the sea. These creatures, which barely reach a foot long, are a critical food source for wildlife and other fish, including tuna, bluefish, striped bass and tarpon. Yet their populations along the Atlantic coast, from Maine to Florida, are at a record low—just 10 percent of historic levels. The shortage threatens the Atlantic marine food web and could cripple the commercial and sport fishing industries. Studies of osprey and striped bass show menhaden has declined as a part of their diets.

The menhaden population must grow to ensure a sufficient supply for fishermen to catch and for predators to eat. In December 2012, the Atlantic States Marine Fisheries Commission voted to reduce the allowable catch by roughly a quarter, an important step toward helping the species begin to rebuild.

#### WHAT YOU CAN DO TO HELP

- Visit www.pewenvironment.org/herring to stay informed about important decisions and developments on forage fish and ways to let officials know you care about the issues.
- We need anglers, marine scientists, coastal businesses, and conservation groups to support forage fish.
  Please get in touch!
- Joseph Gordon, Manager, Northeast forage fish conservation, email jgordon@pewtrusts.org or call 202-887-1347.
- Elizabeth Silleck, Sr. Outreach Assoc., Northeast forage fish conservation, email esilleck@pewtrusts.org or call 202-540-6586.

#### **ABOUT PEW AND THE HERRING ALLIANCE**

The Pew Charitable Trusts is leading efforts to end overfishing and protect our coastal environment by working with the New England and Mid-Atlantic Fishery Management Councils, state wildlife and fisheries officials, the National Marine Fisheries Service, and the Atlantic States Marine Fisheries Commission.

Pew also works to bring scientific expertise to bear on fishery management plans and seeks common ground with fishermen to find solutions that balance human and environmental needs and raise awareness about overfishing and potential remedies.

The Herring Alliance formed in 2007 to protect and restore ocean wildlife and ecosystems along the Atlantic Coast. We seek to accomplish this mission through public education, advocacy and support of ecosystem-based fisheries management. The Alliance has grown to include more than 50 conservation groups from North Carolina to Maine.

Visit **www.HerringAlliance.org** to sign up for our email newsletter and get the latest campaign updates.