

RESPONSIBLE FARMING

The Environmental Benefits of Aquaculture

GROWING BODY OF SCIENTIFIC EVIDENCE

Aquaculture is an environmentally sound approach to increasing America's production of seafood and has been increasingly recognized as one of the most resource-efficient ways to produce protein by the scientific community

With a far lower environmental impact than most terrestrial means of food production, aquaculture has been identified as a remedy to address threats to global food security resulting from climate change and a growing population. The aquaculture industry is committed to being responsible environmental stewards.

PROPER SITING PRACTICES & ADVANCED TECHNOLOGIES

A growing body of scientific evidence demonstrates that the use of science-based practices, including proper siting, management, monitoring, combined with the use of the latest technologies and proper environmental regulations minimizes environmental impacts of fish farming.

LOW TO NO IMPACT

A [study](#) led by scientists at the University of Miami (UM) School of

Marine and Atmospheric Science found minimal environmental impacts to the surrounding waters from properly sited fish-farming operations.

CLEANER OCEAN ENVIRONMENTS

In a 2019 [State of the Science Briefing on U.S. Marine Aquaculture](#) prepared for members of the Senate Committee on Commerce, Science, and Transportation, the Aquarium of the Pacific's Seafood for the Future program reports that shellfish and seaweed aquaculture help clean the water, which improves water quality and supports healthy ocean environments.

Research cited also shows that seaweed aquaculture may help counter the effects of ocean acidification.

LEARN MORE

Growing scientific evidence shows that that aquaculture has great potential to help support solutions to mitigate the effects of climate change and strengthen our ecosystems.

Additional research can be viewed at strongerthroughseafood.org/research-reports.



RAISED IN AMERICA



When we grow the right species, in the right places, using the proper farming methods, the future of farming can not only provide food for a growing population, but ensure the health of the waters on which we rely.

Robert Jones

Global Aquaculture Lead,
The Nature Conservancy



Research shows that seafood production for human consumption can be produced in the offshore environment with relatively low environmental impact compared to other production methods.

Daniel Benetti

Professor, UM School of Marine and Atmospheric Science

“When you have healthy shellfish farms or beds in an area, the water quality is a lot more stable.”

Fiona de Koning
Fifth-generation water farmer, Maine

