

FRESHWATER INSTITUTE

## Sustainable Salmon Aquaculture



*Recognizing the value of clean water resources, the Freshwater Institute works with government, industry, nonprofits and individuals to shape sustainable, environmentally responsible solutions to water resource management.*

Utilizing a variety of approaches, our work can be categorized into three broad areas:

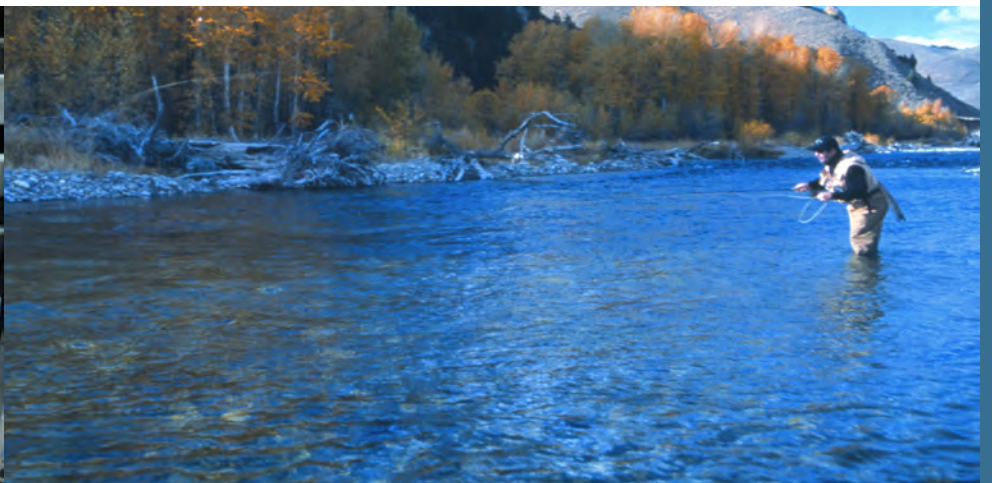
### THE CONSERVATION FUND

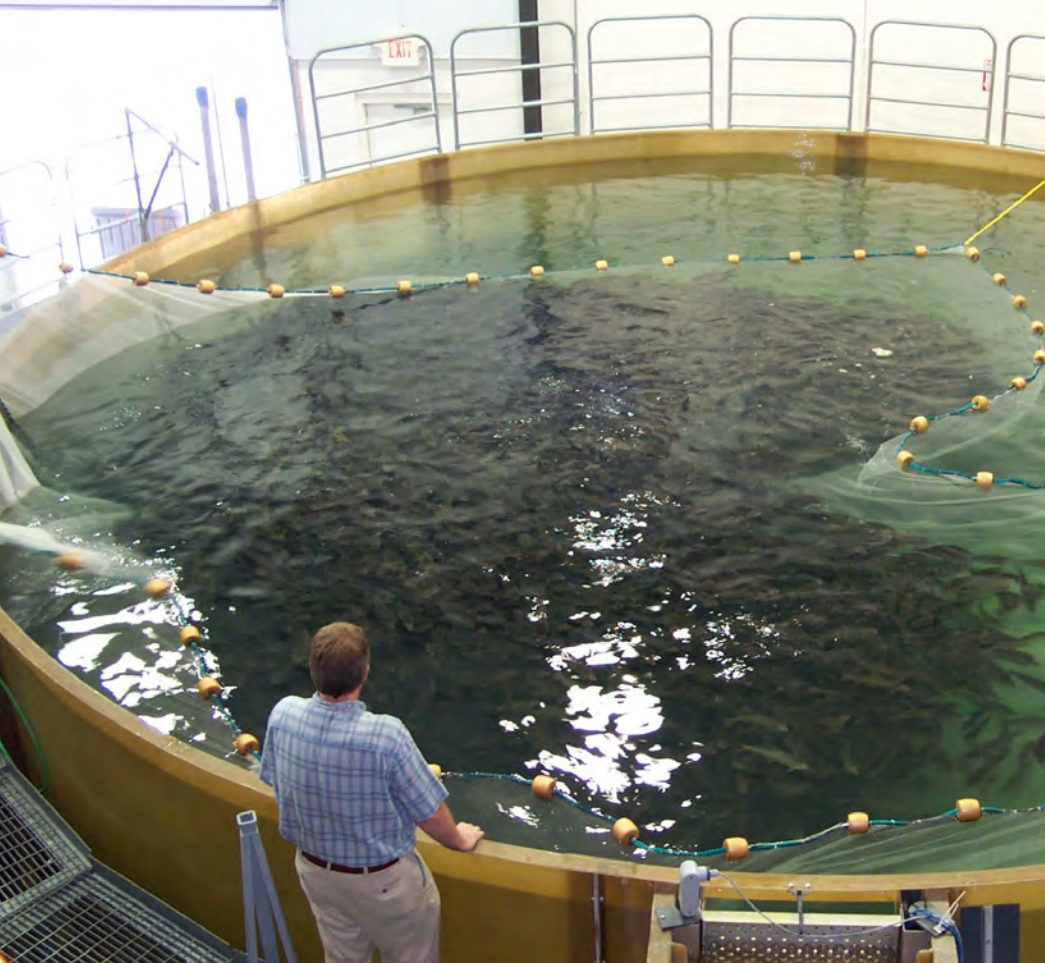
*America's Partner in Conservation*

◦*Applied Science*: finding answers through the spirit of research, experimentation and discovery.

◦*Conservation Engineering*: applying engineering and conservation principles to implement practical solutions.

◦*Training and Education*: sharing knowledge with present generations so that they may leave a positive legacy for those in the future.





#### WHY IT MATTERS:

Closed-containment technology is vastly cleaner and healthier than conventional aquaculture production systems, which often do not exclude fish pathogens and can require increased use of antibiotics and chemicals and also release unhealthy amounts of fish-waste pollution into the watershed. With this technology, we can place the fish farm adjacent to the market.



#### FACTS ABOUT THE CONSERVATION FUND FRESHWATER INSTITUTE

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At our Freshwater Institute, we're making it possible to raise salmon in an improved land-based system that's environmentally and economically better than open water farms. This technology offers the first viable alternative to open water farms in decades and protects wild stocks of salmon. We're making progress and would love to show you this work up close

We've done 20 years of research refining solutions that address the problems seen in open aquaculture systems, such as net pens or freshwater flow-through systems. Those concerns range from conserving water, to bio-security and disease interactions, to managing wastes and reducing the use of drugs and chemicals

Water recirculating systems are now used in numerous major government installations. The systems are also used by commercial producers and are being steadily adopted by more commercial fish farms. We can put you in touch with commercial producers that use water recirculating systems.

These systems have been shown to be practical, economically feasible, and when rearing salmon, have been shown to produce superior smolt.

Our facilities are located near Shepherdstown, West Virginia, on a 100-acre farm. We have 20,000 sq. feet of laboratory and office space. Our research has included such species as yellow perch, Atlantic salmon, Arctic char, and rainbow trout.

#### FOR ADDITIONAL INFORMATION CONTACT:

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