

# Plan a Visit

## See-

- Recirculation Aquaculture Systems (RAS)
- Free-flow tanks and raceways
- Outdoor ponds
- Analytical laboratory
- Hatchery & incubators
- Commercial scale aquaculture in production

## Learn-

- Why aquaculture is important to Wisconsin.
- How various production systems operate.
- What current research is being conducted.
- What it takes to run the facility.

## Ask-

- How do I start a fish farm?
- What education do I need to work in aquaculture?
- Questions about specific issues with your fish farm.

## Contact Information:

Northern Aquaculture Demonstration Facility  
P.O. Box 165  
Bayfield, WI 54814

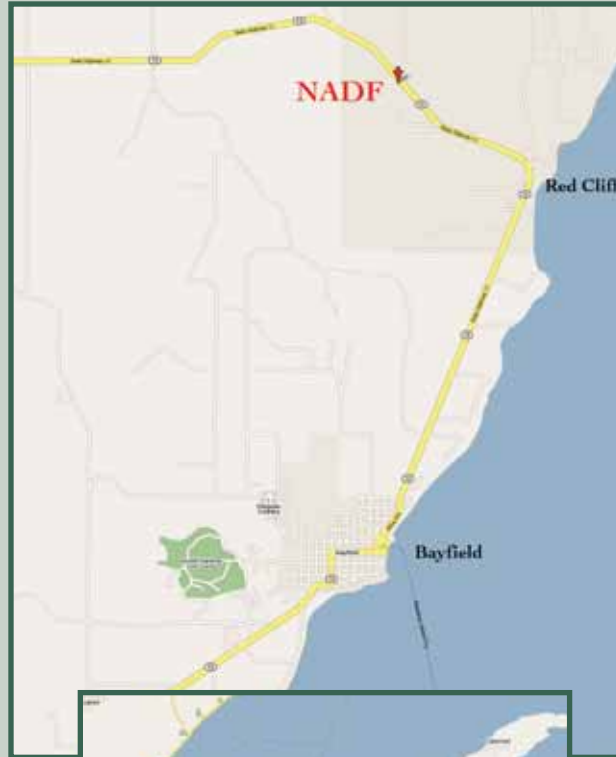
Phone: 715-779-3461  
Fax: 715-779-3486  
Website: <http://aquaculture.uwsp.edu>  
Email: [nadf@uwsp.edu](mailto:nadf@uwsp.edu)

Groups and Fish Farmers:  
Call ahead to make  
arrangements

Open to the Public:  
Thursdays and Saturdays,  
10:00 am to 1:00 pm



Located at 36445 State Highway 13, 1.5 miles west of Red Cliff on Highway 13. Look for sign and gated driveway on south side of road.



## NADF: A Wisconsin Concept Not Just a Location.....



Northern Aquaculture Demonstration Facility  
P.O. Box 165  
Bayfield, WI 54814

# Northern Aquaculture Demonstration Facility

## Aquaculture Demonstration Research Outreach



*Where Technology Meets Production -  
Growing Fish For Tomorrow's Markets*



College of Letters & Science

**UW-Stevens Point**

# History

The concept for the Northern Aquaculture Demonstration Facility (NADF) grew out of an Agricultural Development and Diversification Grant offered by the WI Department of Agriculture, Trade & Consumer Protection (DATCP) to the City of Ashland in 1996. Working in consultation with the aquaculture industry, including the Wisconsin Aquaculture Association, and with stakeholders and citizens over the past decade, NADF has become a state-of-the-art aquaculture applied research and demonstration facility.

The College of Letters and Science at the University of Wisconsin-Stevens Point (UWSP) assumed administrative oversight of the facility in 2005. UWSP's College of Letters and Science directs the NADF in collaboration with the Red Cliff Band of Lake Superior Chippewa, the Wisconsin Department of Agriculture, Trade & Consumer Protection, the University of Wisconsin-Extension, and Wisconsin's aquaculture industry.

# Aquaculture Information

- Aquaculture is the controlled cultivation of aquatic animals and plants.
- Worldwide, Aquaculture is the fastest growing segment of agriculture.
- U.S. seafood trade deficit was \$8.3 billion in 2005.
- 2,100 registered fish farms in Wisconsin
- Wisconsin Aquaculture Industry raises fish for food, stocking, bait and recreation. This includes: trout, panfish, game fish, and baitfish.



# Mission

The mission of the Northern Wisconsin Aquaculture Demonstration Facility is to ***“promote and advance the development of commercial aquaculture in a northern climate”*** by:

- Demonstrating production-scale aquaculture.
- Conducting applied research projects designed by & for commercial aquaculture.
- Providing aquaculture outreach and extension services & programs to fish farmers.
- Providing training, workshops & educational opportunities in aquaculture throughout the state.
- Providing aquaculture educational opportunities to high school, technical college, and university students & staff.
- Building & strengthening linkages between the NADF, commercial Wisconsin aquaculturists, and other state & regional organizations.
- Working with farmers on fish health issues & assisting DATCP with fish health assessment training.
- Developing Best Management Practices for environmental and sustainable expansion of the aquaculture industry.

# Facility

The NADF is designed with high-tech aquaculture production systems and equipment to allow a wide range of applied research and commercial scale demonstrations to be carried out.

- Aquatic Production Barn, 8,500 ft<sup>2</sup>.
- Bell Jar and Heath Tray incubation systems.
- 3 Recirculation Aquaculture Systems (RAS); 10,000-12,000 gallons each
- Cold and warm water systems
- Free-flow tanks
- Analytical water testing lab
- Computer monitoring SCADA system
- Four, 1/2 acre ponds with fish collection basin & double-pond settling basin.
- Two 60 ft. concrete linear outdoor raceways.
- Head-tank building with degassing & heat exchanger systems.
- 2 high capacity wells providing up to 1,600 gpm of cold (46°F), clean water.



# Projects

- Rearing of cool and cold water fish from egg incubation to production size and harvest.
- Yellow perch rearing & feed-training, utilizing RAS and ponds.
- Rearing fry & extended growth walleye with various feed & fertilization techniques.
- Comparing production and performance of regional strains of trout.
- Internship & education opportunities.

# Outreach Extension

NADF Outreach/Extension programs cover the entire State of Wisconsin with outreach specialists strategically located in the northern, central, and southern sections of the state, allowing them to be close to centers of commercial fish farm operations.