



# Abernathy Fish Technology Center

## Station Facts

- Average \$3.5 million annual budget
- Approximately 26 staff
- First full year of operation 1961
- One of seven U.S. Fish & Wildlife Service (FWS) Fish Technology Centers nationwide
- Applied research to develop and refine methodologies and technologies resulting in healthy fish populations (i.e. Pacific salmon, Pacific Lamprey, Lost River and short nose suckers, steelhead, cutthroat, redband, and bull trout, eulachon, white sturgeon, Olympic mudminnow, Oregon and Alford chub, and other species)
- Located in WA Congressional District 3

## Contact Information

**Station Manager:** Patty Crandell

**Phone:** 360/425-6072 350

**Email:** patricia\_crandell@fws.gov

**Web:** <http://www.fws.gov/aftc>

### Directions:

1440 Abernathy Creek Road  
Longview, Washington



## Who We Are

Fish Technology Centers (FTCs) provide leadership in science-based management of trust aquatic resources through applied research and the development of new concepts, strategies, and techniques to solve problems in aquatic resource conservation.

## How We Help

Abernathy FTC focuses on providing applied research to the FWS and partners primarily in the Pacific and Pacific Southwest Regions (WA, OR, ID, HI, CA, and NV). The information gives the FWS and partners the tools necessary to make science-based decisions for conserving, restoring, and recovering aquatic resources.

## Technical Capabilities

Abernathy FTC has three research units: Conservation Genetics, Nutrition & Physiology, and Quantitative Ecology & Technology, that conduct applied studies and provide technical assistance and expertise to internal and external partners and stakeholders. Some examples of studies and technical assistance provided include:

- Using rapid response genetic ID for fish passage or spawning decisions



Pacific Lamprey

- Providing generic information for management needs and species recovery needs
- Storing FWS genetic samples/data for bull trout and other species
- Examining the physiological responses of fish to environmental changes
- Evaluating the vulnerability of National Fish Hatcheries (NFHs) to environmental change
- Developing diets and aquaculture methods to help with species culture and recovery
- Examining quality of commercially produced fish feeds used at 18 NFHs
- Determining contaminant impacts on fish feed, hatchery fish, and their environment
- Improving water quality by changing fish feed formulas
- Modeling changes to aquatic species from landscape level influences
- Providing technical assistance in



Sharing applied science with STEM educators

