



REPI

UNITED STATES DEPARTMENT OF DEFENSE
READINESS AND ENVIRONMENTAL
PROTECTION INTEGRATION PROGRAM

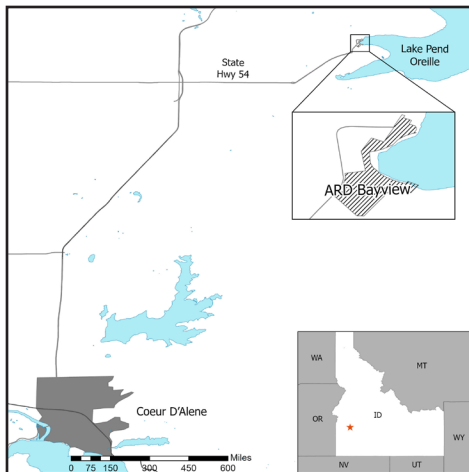
PROJECT PROFILES
U.S. NAVY | IDAHO



ACOUSTIC RESEARCH DETACHMENT

The Acoustic Research Detachment (ARD) at Lake Pend Oreille in Bayview, Idaho is the Navy's premier facility for structural acoustic measurements and has supported every major submarine design development over the past 65 years.

Lake Pend Oreille is Idaho's largest, deepest, and quietest body of water, making it an ideal environment for acoustical testing. With unique acoustic capabilities, test sites, and facilities, ARD Bayview serves as a critical location for research, development, testing, and evaluation of the Navy's ships and submarines. ARD Bayview's diverse mission capabilities are under threat by increased development along Lake Pend Oreille's shorelines, as well as attendant water and boat traffic noise, which can compromise the necessary conditions for acoustic testing.



Most of the land around Lake Pend Oreille is federally owned, and because of population growth in the area, there is pressure to develop the few private properties that exist. Already, much of the installation's testing activities have had to be moved to night time operations to avoid the noise being generated by boats during the day. Acoustical measurements become less accurate and less cost-effective as incompatible activities such as recreational boating increase on the lake. By acquiring protective

easements along the shoreline, boat traffic and noise associated with activity on the water can be limited and the likelihood of development pressures will decrease, preserving ARD Bayview's mission.

For this project, ARD Bayview will work with the Inland North West Land Conservancy to acquire conservation easements from willing landowners on properties that will protect the installation's operational capabilities. Much of the land targeted for protection is adjacent to public forest lands. Acquiring restrictive easements on pockets of private forest land and along the shoreline will help to limit incompatible land uses, maintain the forest integrity, and support local and regional goals for preserving habitat and species.

BENEFIT SUMMARY

COMMUNITY

- Natural resource preservation

MILITARY

- Decrease in boating activity in the lake
- Decrease in noise and therefore avoidance activities



An aerial view of ARD Bayview (top). The Submarine Dolly Varden on the surface at Lake Pend Oreille (bottom).

KEY PARTNERS

- Inland North West Land Conservancy

CONTACT

COMMUNITY PLANNING LIAISON OFFICER
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FAST FACTS THROUGH FY 2024 | Project Status: In Progress

Authority	Transactions	Acres Protected, Managed, or Improved	Total Funds Expended
10 U.S.C. § 2684a	2	191	\$1.2 million

Subtotals may not sum to combined totals due to rounding