



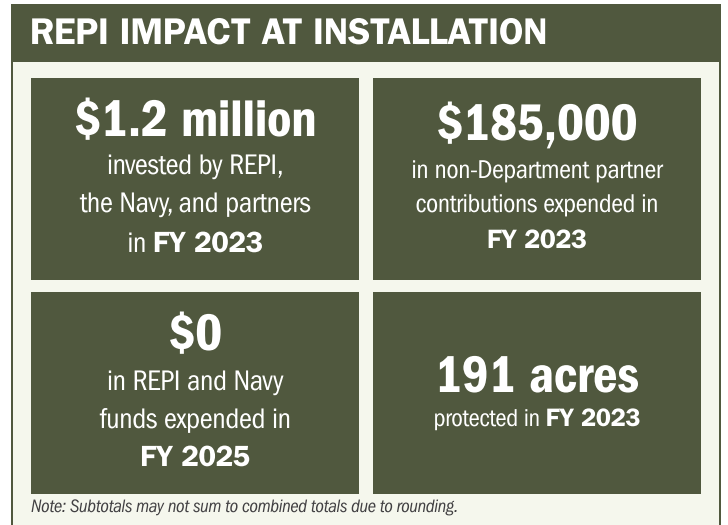
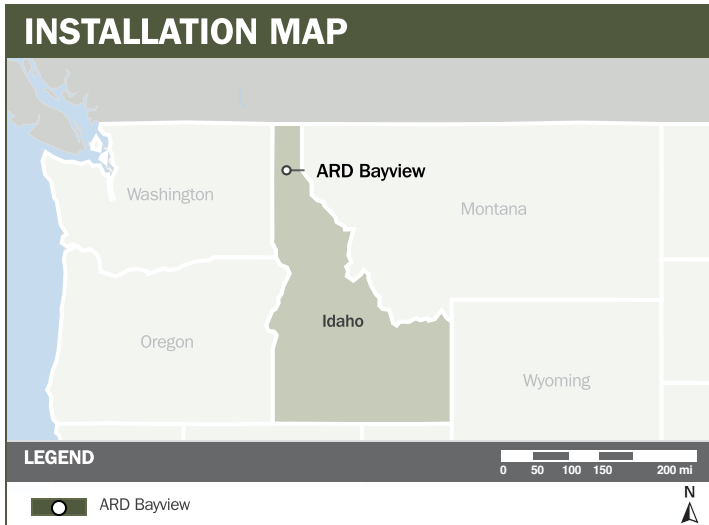
# ARD BAYVIEW

## ABOUT THE INSTALLATION

The Acoustic Research Detachment (ARD) Bayview at Lake Pend Oreille in Idaho is the Navy's premier facility for structural acoustic testing and has supported every major submarine design for more than 65 years. ARD Bayview provides mission-critical research and testing for submarine propulsor development, sonar dome performance, construction cost avoidance, and other key design features essential to undersea dominance. With its unique acoustic environment, specialized test sites, and advanced facilities, ARD Bayview remains a pivotal asset for research, development, testing, and evaluation of Navy ships and submarines.

## STRENGTHENING MISSION READINESS THROUGH REPI INVESTMENTS

The Department of War's (DoW) Readiness and Environmental Protection Integration (REPI) Program played a critical role in supporting ARD Bayview's long-term operational success. Through strategic land acquisition and partnership-driven conservation easements, REPI funding helped prevent incompatible development, preserve natural habitat, and sustain critical acoustic testing capabilities.



## PROJECT OVERVIEW

### INCOMPATIBLE DEVELOPMENT—10 U.S.C. § 2684A

- Lake Pend Oreille—Idaho's largest, deepest, and quietest lake—provides the Navy with an ideal acoustic testing environment, but rapid private development and increased recreational use created noise, safety conflicts, and operational risks to ARD Bayview's mission-critical testing requirements.
- Population growth in surrounding communities further degraded testing conditions, reducing ARD Bayview's ability to obtain accurate, cost-effective acoustic measurements essential to submarine and surface ship development.
- To counter these threats, ARD Bayview leveraged REPI authority under 10 U.S.C. § 2684a to protect the lake's unique acoustic environment, safeguard key test areas, and preserve foundational research, development, testing, and evaluation capabilities for the Navy undersea and surface systems.





# ARD BAYVIEW

## PROJECT OVERVIEW (CONTINUED)

### HABITAT PRESERVATION—10 U.S.C. § 2684a

- Urban and industrial development along the southern shore of Lake Pend Oreille degraded habitat and increased noise disturbances, directly disrupting ARD Bayview’s critical acoustic research and limiting testing operations.
- Lake Pend Oreille and its connected waterways provide essential habitat for the federally listed bull trout; protecting shoreline habitat, water quality, and limiting disruptive recreation supported both species recovery and ARD Bayview’s mission-critical testing environment.
- Through REPI authority under 10 U.S.C. § 2684A, this project secured restrictive use easements on key shoreline parcels, preserving nearshore forest and coastal marsh habitat while protecting the quiet acoustic conditions required for ARD Bayview’s operational testing and evaluation.



## KEY FISCAL YEAR MILESTONES AT ARD BAYVIEW\*

2016

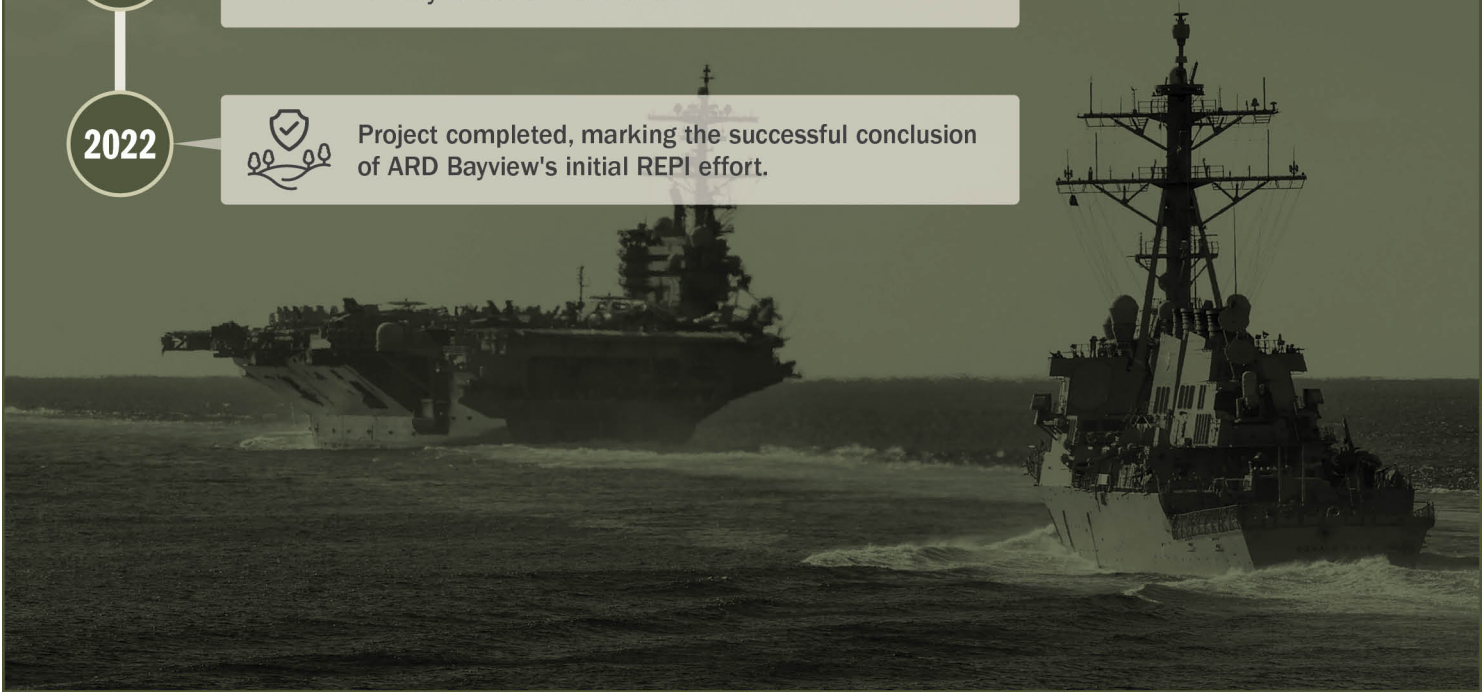


ARD Bayview stands up its first REPI encroachment project to protect operations from increased water activity on Lake Pend Oreille.

2022



Project completed, marking the successful conclusion of ARD Bayview's initial REPI effort.



\* These milestones demonstrate how the installation is strategically utilizing the REPI Program to mitigate encroachment risks and enhance mission assurance. While not exhaustive, the list highlights the various approaches installations are using to preserve critical testing and training capabilities essential to national defense.



Subscribe to the REPI Program Listserv by scanning the QR code.  
For more information about the REPI Program and supportive DoW efforts, please visit [www.repi.mil](http://www.repi.mil).