# REPI READINESS AND ENVIRONMENTAL PROTECTION INTEGRATION PROGRAM
**STATE PROFILE | WASHINGTON**

WASHINGTON

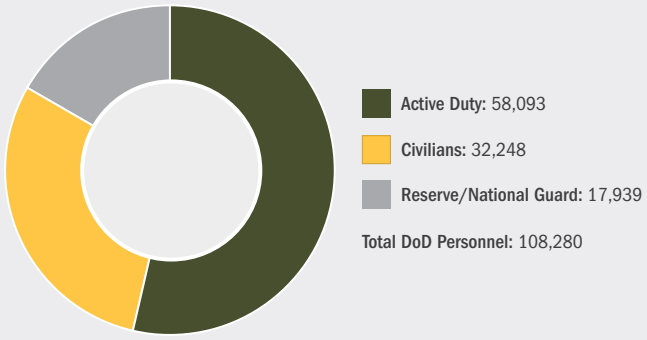
## OVERVIEW

Washington received $16.2 billion in Defense spending in Fiscal Year (FY) 2018, which provides direct funding for DoD personnel salaries, defense contracts, and construction of military facilities in the state. This spending by DoD personnel, contractors, and their families creates significant economic activity, attracts related industries and investment, and generates important state and local government tax revenues.

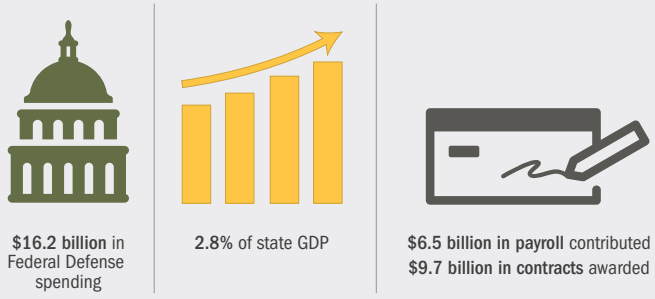
The Readiness and Environmental Protection Integration (REPI) Program is a key tool used by DoD and its partners to protect the military's ability to train, test, and operate in the state. DoD created the REPI Program in response to the development of lands and loss of habitat in the vicinity of or affecting its installations, ranges, and airspace that can lead to restrictions or costly and inadequate training and testing alternatives. Through REPI, DoD works with state and local governments, conservation organizations, and willing private landowners to address these challenges to the military mission and the viability of DoD installations and ranges. The REPI Program has enjoyed broad bipartisan support both in the U.S. Congress and among groups representing state and local officials. Through FY 2019, DoD and its partners have spent over $97 million on REPI projects at 6 installations in Washington.

## DOD IN WASHINGTON

**DoD Personnel** (as of 30 Sep 2018)




### Federal Defense Spending and Economic Impact (in FY 2018)

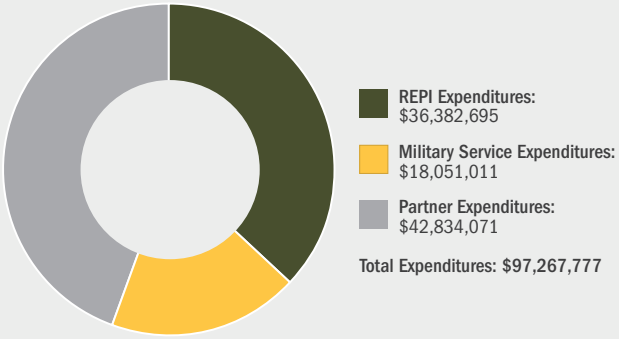



### Acres of DoD Managed and State-Owned National Guard Land (as of 30 Sep 2017)

| DoD Managed Land | State-Owned National Guard Land | Total DoD Managed and State-Owned National Guard Land |
|---|---|---|
| 941,146 | 503 | 941,649 |

## REPI PROJECTS* IN WASHINGTON

**Funding Summary** (through FY 2019)




** REPI projects refer to any action authorized by 10 USC §2684(a) to include the acquisition of interests in land from willing landowners to prevent incompatible development and protect habitat or any other natural resources management. REPI projects involving the Army or Army National Guard are also termed Army Compatible Use Buffer (ACUB) partnerships. Those involving the Navy, Marine Corps, or Air Force, are also termed encroachment partnering agreements. Eligible partners include conservation organizations and state and local governments.*

**Total Acres Protected** (through FY 2019): 16,870

## MILITARY PRESENCE

- The military and defense community is the second largest public employer in Washington, **which is home to 95,079 active duty, reserve, guard, and civilian personnel**. It supports over **$15 billion in annual procurement**, working with nearly **1,900 businesses** across the state.
- Yakima Training Center comprises **327,000 acres** and provides training support for both JBLM as well as transient units and organizations for maneuver training, land warrior system testing and live fire training, and is located in the south central part of the state.
- The Coast Guard district **supports homeland security for four states** and patrols over 460,000 square miles of the Pacific Ocean.
- Joint Base Lewis-McChord combines an artillery and maneuver training mission, including for Stryker armored combat vehicle teams, with operational airlift missions carrying personnel, vehicles, supplies, and materials directly to areas of conflict.
- Located in the heart of the Pacific Northwest's Puget Sound region, Joint Base Lewis-McChord is one of DoD's **premiere military installations on the West Coast**. JBLM provides world-class installation support to more than 40,000 active, Guard and Reserve Service members and about 14,000 civilian workers. The base supports 60,000 family members who live on and outside the base, and nearly 30,000 military retirees living within 50 miles.
- Naval Base Kitsap on the Kitsap Peninsula is the **third largest naval installation in the U.S.**, constituting 33,800 military and civilian personnel, plus 7,500 defense contractors. The Navy is the largest employer in Kitsap County by nearly 17,500 daily workers. The base supports the U.S. Navy fleet operating across West Puget Sound and serves the surface vessels and submarines based at Bremerton and Bangor.

## REPI PROJECTS

| Project Installation | County | Congressional District |
|---|---|---|
| *Fairchild AFB* | Spokane | 5th |
| *Joint Base Lewis-McChord* | Pierce | 10th |
| *NAS Whidbey Island* | Island | 2nd |
| *NAVMAG Indian Island* | Jefferson | 6th |
| *NB Kitsap* | Kitsap | 6th |
| *OLF Coupeville* | Island | 2nd |

For all REPI Project Profiles visit: http://www.repi.mil/BufferProjects/ProjectList.aspx

The JBLM Sentinel Landscapes Project protects important prairie habitat (left). The streaked horned lark is listed as a threatened species under the ESA and it uses trees on JBLM as its nesting site (right).

For more information about the REPI Program, visit ***www.repi.mil***

### Key REPI Partners

- Center for Natural Lands Management
- City of Lakewood
- City of Oak Harbor
- City of Tacoma
- Evergreen State College
- Island County
- Jefferson County
- Jefferson Land Trust
- National Fish and Wildlife Foundation
- Northwest Rangeland Trust
- Oregon Zoo
- Pierce County
- Pope Resources
- Spokane County
- State of Washington
- Sustainability in Prisons
- The Nature Conservancy
- The Northwest Watershed Institute
- The Trust for Public Land
- Thurston County
- University of Washington
- U.S. Department of Agriculture-Natural Resources Conservation Service
- U.S. Environmental Protection Agency
- U.S. Fish and Wildlife Service
- U.S. Forest Service
- Washington Department of Ecology
- Washington Department of Fish and Wildlife
- Washington Department of Natural Resources
- Washington State Parks
- Washington State Recreation and Conservation Office
- Washington State Salmon Recovery Board
- Washington State University Extension
- Washington Trade and Economic Development Division
- Washington Veterans Conservation Corps
- Whidbey Camano Land Trust
- Wolf Haven International

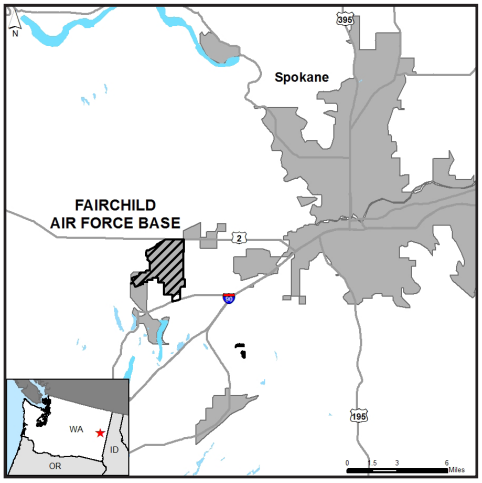
### Data Sources

- **For Federal Spending and personnel Information:** Office of Economic Adjustment: "Defense Spending By State Fiscal Year 2018": https://www.oea.gov/sites/default/files/defense-spending-rpts/FY2018-Defense-Spending-by-State-Report_0_0.pdf
- **For Land Information:** Office of the Deputy Undersecretary of Defense for Energy, Installations, and Environment, "Base Structure Report — Fiscal Year 2018 Baseline": https://www.acq.osd.mil/eie/Downloads/BSI/Base%20Structure%20Report%20FY18.pdf
- **For REPI Projects Information:** "2020 REPI Report to Congress": https://www.repi.mil/Portals/44/Documents/Reports_to_Congress/REPI2020RTC.pdf
- **For Economic Impact Information:**
  - Office of the Governor of Washington: "Military & Defense": https://www.governor.wa.gov/issues/issues/economy/military-defense
  - State of Washington Department of Commerce: "Washington State's Military & Defense Sector": http://www.commerce.wa.gov/growing-the-economy/key-sectors/military-defense/
- **For Installation-Specific Information:**
  - Yakima Training Center: https://home.army.mil/yakima/
  - Joint Base Lewis-McChord: https://home.army.mil/lewis-mcchord/index.php/about/history
  - Naval Base Kitsap: https://www.cnic.navy.mil/regions/cnrnw/installations/navbase_kitsap/about.html

U.S. AIR FORCE :

# FAIRCHILD AFB : WASHINGTON

**Fairchild Air Force Base (AFB), located just 15 miles west of Spokane, Washington, hosts the 92nd Air Refueling Wing (which is assigned to support the Air Mobility Command's 15th Expeditionary Mobility Task Force) and the 141st Air Refueling Wing.** The base's missions involve providing air refueling as well as passenger and cargo airlift and aero-medical evacuation missions supporting U.S. and coalition conventional operations.




The completed Fairchild AFB REPI project resulted in Spokane County purchasing a restrictive use easement on land adjacent to the eastern boundary of the installation, lying within safety zones for one of the base's runways. The property will now remain as rural open space rather than being used for mining, which would create retention ponds, dust, and light hazards. The county also rezoned the easement property from mining to rural traditional. The easement keeps the property free of structures, allows tree removal, and prevents agriculture that could attract birds or other wildlife that would contribute to a bird aircraft strike hazard. The land will also be used to relocate a rail line that currently runs through the base.

As part of the REPI project, the easement allows Fairchild AFB to move a security fence located around the runway approach to another location away from the runway, thus eliminating the base's need to obtain an Airfield Waiver as required by Federal Aviation Administration regulations. The state of Washington recognized the economic importance of protecting the Air Force mission and provided funding for this REPI project from the Washington (state) Military Communities Infrastructure Grant, through the Trade and Economic Development Division.

## BENEFIT SUMMARY

COMMUNITY

- Preserves habitat

MILITARY

- Protects aviation maneuver capabilities
- Increases operational safety

A survival, evasion, resistance and escape specialist performs a static line parachute jump above Fairchild AFB (top). This project prevents retention ponds (bottom) that can attract birds or wildlife that present a bird aircraft strike hazard.

## KEY PARTNERS

- Spokane County
- Washington Trade and Economic Development Division

## FAST FACTS THROUGH 30 SEP 2019

» Acres preserved:
**150**

» Transactions conducted:
**1**

» Total funds expended:
**$600 thousand**

» Project status:
**Completed**

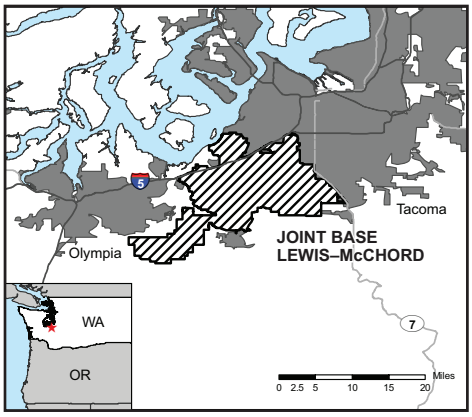
## CONTACT

**Public Affairs Office**
(509) 247-5705

U.S. ARMY - U.S. AIR FORCE :

# JOINT BASE LEWIS-McCHORD : WASHINGTON

**Located on the Puget Sound, Joint Base Lewis-McChord is the third largest Army installation and combines artillery and maneuver training missions with airlift operations and training.** However, live-fire exercises, Stryker Brigade Combat Team training, and airlift missions carrying personnel, vehicles, and supplies around the world are threatened by incompatible development and habitat loss. Since Joint Base Lewis-McChord hosts the majority of the remaining prairie habitat in the South Puget Sound, loss of prairie outside the base can lead to increased restrictions to protect the remaining habitat and its imperiled species, thereby threatening Army activities.




One of two REPI projects at the base aims to restore habitat on southern Puget lowlands and sustain the Army training mission. As the first designated Sentinel Landscape—an area that supports the military mission, working lands, and conservation—partners including conservation organizations, federal agencies, state and local governments, and individual landowners are working together to protect, restore, and manage prairie habitat. This allows for species recovery, research, and planning to reduce and avoid restrictions on training.

A second REPI project leveraged contributions from the state and local governments to protect the McChord Field runway. Buffers prevent new commercial development and allow for the removal of buildings that violate runway safety zone requirements. Pilots can now use a previously unavailable precision-guidance instrument landing system, while ecological assets are preserved before they are endangered, benefiting the entire region.

## BENEFIT SUMMARY

### COMMUNITY

- Supports the Sentinel Landscapes Partnership
- Supports new and existing regional planning objectives
- Provides habitat for candidate, threatened, and endangered species
- Preserves working lands that benefit the local economy
- Provides recreational opportunities

### MILITARY

- Preserves on-installation live-fire and maneuver training capability
- Reduces the need for less-realistic workarounds
- Provides for future mission growth and multi-Service missions

For more information about REPI, please see **http://www.repi.mil**.

Joint Base Lewis-McChord's ranges contains some the only remaining south Puget Sound prairie habitat (top), which supports rare animal species and live-fire training exercises (bottom).

## KEY PARTNERS

- Center for Natural Lands Management
- City of Lakewood
- City of Tacoma
- Evergreen State College
- Northwest Rangeland Trust
- Oregon Zoo
- Pierce County
- Sustainability in Prisons
- The Nature Conservancy
- Thurston County
- University of Washington
- U.S. Department of Agriculture-Natural Resources Conservation Service
- U.S. Fish and Wildlife Service
- Washington Department of Fish and Wildlife
- Washington Department of Natural Resources
- Washington State University Extension
- Washington Veterans Conservation Corps
- Wolf Haven International

## FAST FACTS THROUGH 30 SEP 2019

» Acres preserved:
**2,026**

» Transactions conducted:
**16**

» Total funds expended:
**$33.0 million**

» Project status:
**In Progress**

## CONTACT

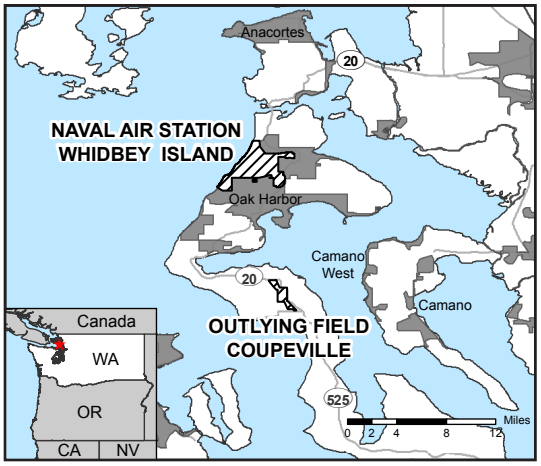
**Public Affairs Office**
(253) 967-0148

U.S. NAVY :

# NAS WHIDBEY ISLAND : WASHINGTON

WITH OLF COUPEVILLE

**Home to electronic warfare aircraft such as the EA-18G Growler, EA-6B, and P-3C Orion, Naval Air Station (NAS) Whidbey Island is located along the Puget Sound in Washington. Aircrews train for anti-submarine warfare, maritime surveillance, and electronic warfare missions that protect fleet surface units by gathering radio intelligence and jamming enemy radar systems.** The air station also maintains a search and rescue unit, providing 24/7 rescue support for the Pacific Northwest region. The air station's Outlying Field (OLF) Coupeville is located just a few miles south and is used for fleet carrier landing practice.




To ensure military training capability is protected, the air station's partners took advantage of funding from the Washington Military Sustainability Program, a state public-private partnership that supports projects to protect the military mission and the environment. Additionally, the local government adopted new accident potential zones in the local zoning code to protect public safety and promote compatible land uses.

NAS Whidbey Island's partnership with Island County, the state of Washington, and the city of Oak Harbor has already prevented a proposed shopping pavilion from being developed in an accident potential zone. Partners acquired a restrictive easement on commercially zoned land that lies near the installation's runway. Another effort is protecting farm land within a National Historic Reserve near OLF Coupeville and is leading to other REPI projects in the same area. By reducing further development threats to the mission, the Navy is successfully protecting the ability to train with new electronic warfare aircraft.

## BENEFIT SUMMARY

### COMMUNITY

- Supports existing regional planning objectives
- Improves operational safety

### MILITARY

- Preserves the ability to conduct off-installation night flying training that generates a significant amount of noise and requires minimal light pollution
- Allows for future mission growth

The EA-6B, which jams enemy radar, conducts maneuvers above NAS Whidbey Island (top). A Sea King helicopter conducting search and rescue exercises (bottom).

## KEY PARTNERS

- City of Oak Harbor
- Island County
- State of Washington
- U.S. Department of Agriculture-Natural Resources Conservation Service
- U.S. Fish and Wildlife Service
- Washington Department of Ecology
- Washington State Recreation and Conservation Office
- Whidbey Camano Land Trust

## FAST FACTS THROUGH 30 SEP 2019

» Acres preserved:
**1005**

» Transactions conducted:
**63**

» Total funds expended:
**$17.0 million**

» Project status:
**In Progress**

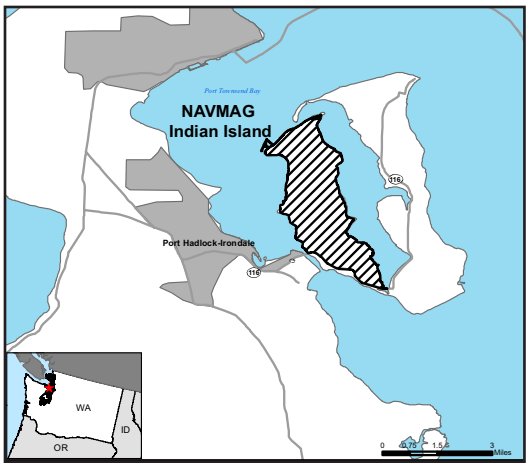
## CONTACT

**Community Plans & Liaison Officer**
(360) 257-1005

U.S. NAVY :

# NAVMAG INDIAN ISLAND : WASHINGTON

**Naval Magazine (NAVMAG) Indian Island is a joint ammunition and logistics center, providing port, storage, and transmission facilities for Navy, Joint, and Allied forces to receive and discharge munitions in support of military operations worldwide.** This deep water port located in the Puget Sound is the only active harbor for the U.S. Pacific Command that supports both bulk container and individual ordnance loading. Limited development and surrounding forest land in this area provides required safety arcs for NAVMAG Indian Island and its marine space and ammunition routes, providing an operational environment that cannot be relocated elsewhere in the continental U.S.




The safety and security of NAVMAG Indian Island operations and neighboring communities is paramount, so the Navy is working with its partners to prevent incompatible development that would impact the safety of operations and increase vehicle traffic along ammunition routes. Protecting agricultural and forest land also has the benefit of preserving clean water resources and important marine and wildlife habitat, as well as mitigating against climate change impacts to the installation mission and entire region.

The REPI partnership at NAVMAG Indian Island is an expansion of the Navy's ongoing encroachment partnering efforts across the entire Puget Sound region. The installation's ammunition wharf is used all but a few days a year, and its importance grows with the increasing need to support Arctic, Pacific, Mid and Far East missions. Protecting this invaluable asset and surrounding compatible lands and waters achieves the mutual goals of federal, state, and county agencies, national and local land trusts, and business partners.

## BENEFIT SUMMARY

COMMUNITY

- Preserves forest and agricultural lands
- Preserves water resources and marine and wildlife habitat
- Supports local coordinated planning efforts

MILITARY

- Provides a unique deep water port critical to the Pacific command
- Supports multiple Service missions
- Improves operational safety

Guided-missile submarine USS Ohio prepares to moor NAVMAG Indian Island after completing a forward deployment (top).The Navy is seeking to protect undeveloped forested lands and reduce marine traffic within the Puget Sound (bottom).

## KEY PARTNERS

- Jefferson Land Trust
- Jefferson County
- State of Washington
- The Nature Conservancy
- The Trust for Public Land
- U.S. Forest Service
- Washington Department of Natural Resources

## FAST FACTS THROUGH 30 SEP 2019

» Acres preserved:
**0**

» Transactions conducted:
**0**

» Total funds expended:
**$0**

» Project status:
**Initiated**

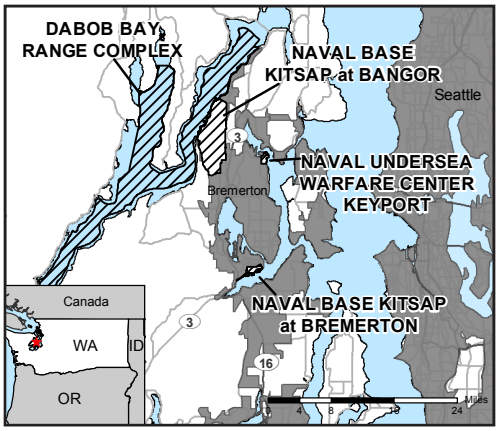
## CONTACT

Community Plans and Liaison Office
(360) 627-4028

U.S. NAVY :

# NB KITSAP : WASHINGTON

**The Dabob Bay Range Complex is a critical research, development, test and evaluation (RDT&E) site for underwater systems such as torpedoes, unmanned undersea vehicles, and ship systems.** Located in the Hood Canal on the Puget Sound, the range complex is part of the Naval Undersea Warfare Center Keyport, a component of Naval Base (NB) Kitsap. The pristine and undeveloped deep water nature of Dabob Bay and Hood Canal allows the Navy to perform sensitive acoustical testing. As technology and military equipment advance and become quieter, an undisturbed environment becomes more important to the RDT&E mission.




The Navy is partnering with the Washington Department of Natural Resources, The Nature Conservancy, and The Trust for Public Land to preserve areas of Hood Canal and protect the Navy's RDT&E mission and military operating areas (MOAs). The partners will acquire lands and the Navy will purchase an easement to preserve undeveloped shoreline beaches and other habitat within the Dabob Bay Natural Area and throughout Hood Canal for mission protection and conservation. The partnership will prevent incompatible development and increased boating to protect the Navy's sensitive acoustical testing and operations in Hood Canal MOAs.

As one of the least developed and most ecologically important estuaries in the Puget Sound, this area is vital for productive and diverse salmonids, native Olympia oyster beds, and other keystone fish and mammal species. Through REPI, Dabob Bay and Hood Canal will remain compatible with the Navy's mission while minimizing coastal impacts and protecting water quality. Washington state will also transfer timberlands into natural area management.

## BENEFIT SUMMARY

### COMMUNITY

- Supports a green corridor and provides habitat for notable species
- Supports regional planning efforts and provides economic benefits
- Protects resources important to indigenous tribes

### MILITARY

- Preserves sensitive test capacity through the buffering of noise-sensitive areas
- Protects important MOAs and ranges and enhances security
- Reduces electromagnetic interference

For more information about REPI, please see **http://www.repi.mil**.

NB Kitsap tests new generation of weapons, sensors and undersea vehicles (top). The base also uses goats for an environmentally-friendly method of clearing brush (bottom).

## KEY PARTNERS

- Jefferson Land Trust
- National Fish and Wildlife Foundation
- State of Washington
- The Nature Conservancy
- The Trust for Public Land
- Washington Department of Natural Resources
- Washington State Parks
- Washington State Recreation and Conservation Office
- Washington State Salmon Recovery Board

## FAST FACTS THROUGH 30 SEP 2019

» Acres preserved:
**13,469**

» Transactions conducted:
**136**

» Total funds expended:
**$46.7 million**

» Project status:
**In Progress**

## CONTACT

**Community Plans & Liaison Officer**
(360) 627-4028