



DoW REPI and Sentinel Landscape Partnership Programs

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Readiness and Environmental Protection Integration (REPI) Program



The REPI Program:

- Preserves military missions by supporting cost-sharing agreements between the Military Services, other Federal agencies, state and local governments, and private organizations to avoid land use conflicts **off base**
 - Can fund conservation easements and land protection
 - Can preserve working farms and forests
- Addresses environmental restrictions that limit military activities:
 - Can protect habitat for RTE and candidate species
- Looks to increase military installation resilience
 - Protect shorelines – including NBS like oyster reefs, wetlands, buffers
 - Stream restoration to prevent flooding.
 - Prescribed burns that would prevent wildfire threats



Readiness and Environmental Protection Integration (REPI) Program

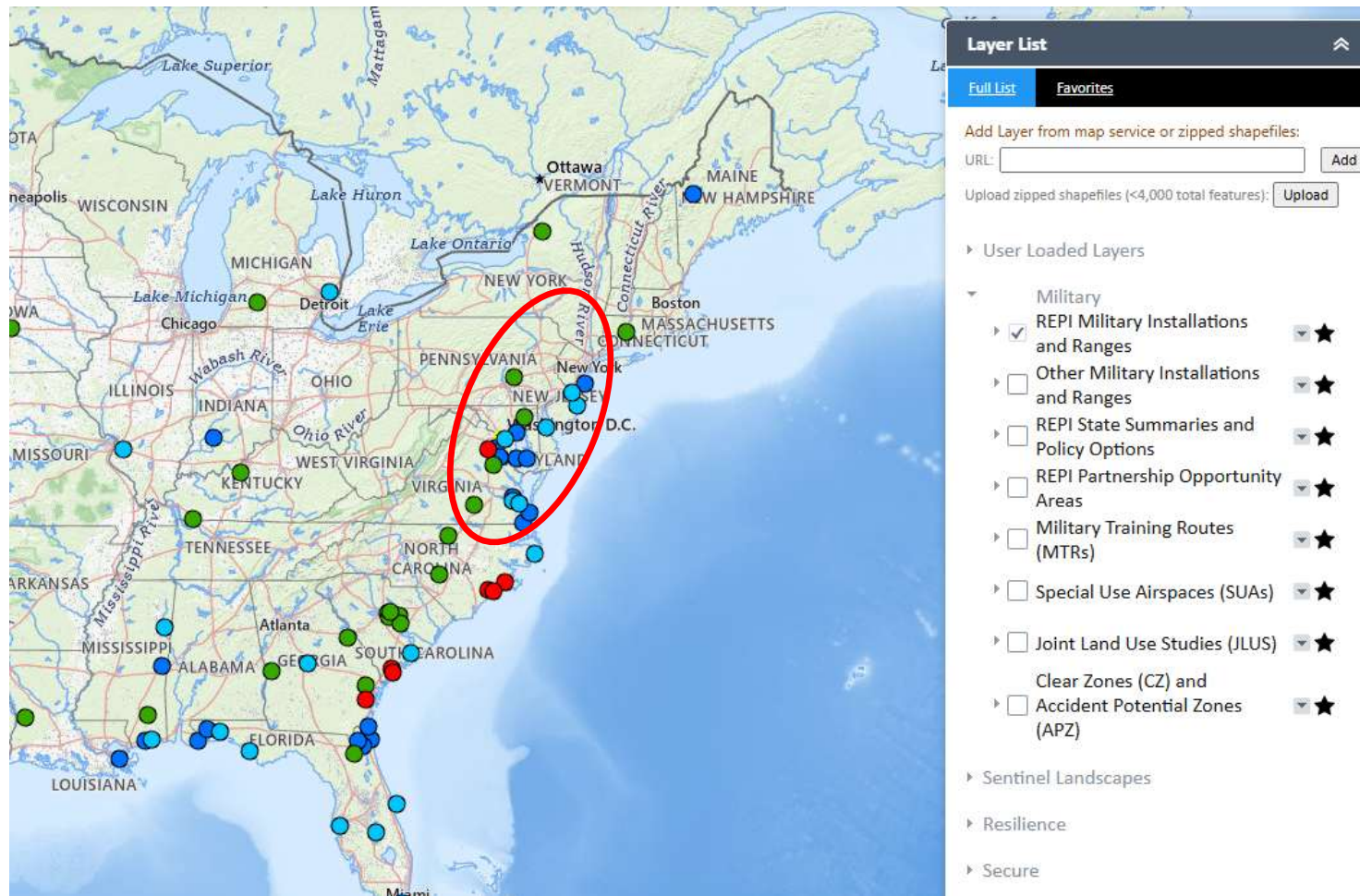


Complementary Federal Funding Opportunities

- REPI Program funds can satisfy the match or cost-sharing requirement for any resilience or conservation program of any Federal agency. By leveraging interagency partnerships, the REPI Program works with Federal partners to fund projects that seek to preserve military mission, increase installation resilience, and ensure military readiness at installations and ranges.
- Installations may also leverage Inter Governmental Support Agreements (Sec 2679 of Title 10 U.S.C.) to fund state or local governments to conduct **off-base** natural resource management activities that protect or enhance military readiness.
- Sikes Act Authorities (16 U.S.C. 670c-1) allows for the maintenance or improvement of natural resources **off-base** and allow for “management endowments” to cover the future costs of natural resources management.



Readiness and Environmental Protection Integration Program: Military installations and Ranges in the Watershed

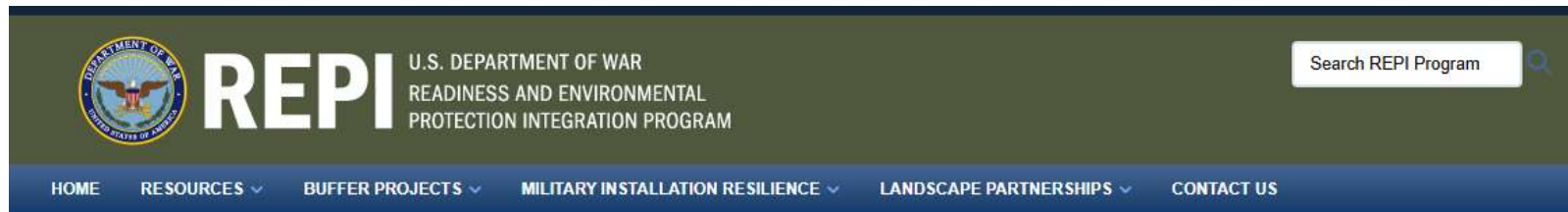


Map Source: <https://repi.osd.mil/map/>

Listsrv: <https://public.govdelivery.com/accounts/USGOVREPI/subscriber/new>



Readiness and Environmental Protection Integration (REPI) Program



About the Readiness and Environmental Protection Integration (REPI) Program

Established in 2002 as part of the Fiscal Year 2003 National Defense Authorization Act, the Department of War (DOW) Readiness and Environmental Protection Integration (REPI) Program preserves military missions by supporting cost-sharing agreements between the Military Services, other Federal agencies, state and local governments, and private organizations to avoid land use conflicts near military installations, address environmental restrictions that limit military activities, and increase military installation resilience.

The REPI Program is administered by the Office of the Secretary of War under the Assistant Secretary of War for Energy, Installations, and Environment.

What's New With the REPI Program?



Quicklinks

[REPI Challenge](#)[Military Installation Resilience](#)[REPI Interactive Map](#)[Sentinel Landscapes Partnership](#)[Join the REPI Listserv](#)[Contact Us](#)

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Sentinel Landscape Partnership Program



Founded in 2013 by the U.S. Department of Agriculture, Department of Defense, and Department of the Interior with a mission to:

- Strengthen military readiness
- Conserve natural resources
- Bolster agricultural and forestry economies
- Increase public access to outdoor recreation
- Enhance resilience to changing environmental conditions

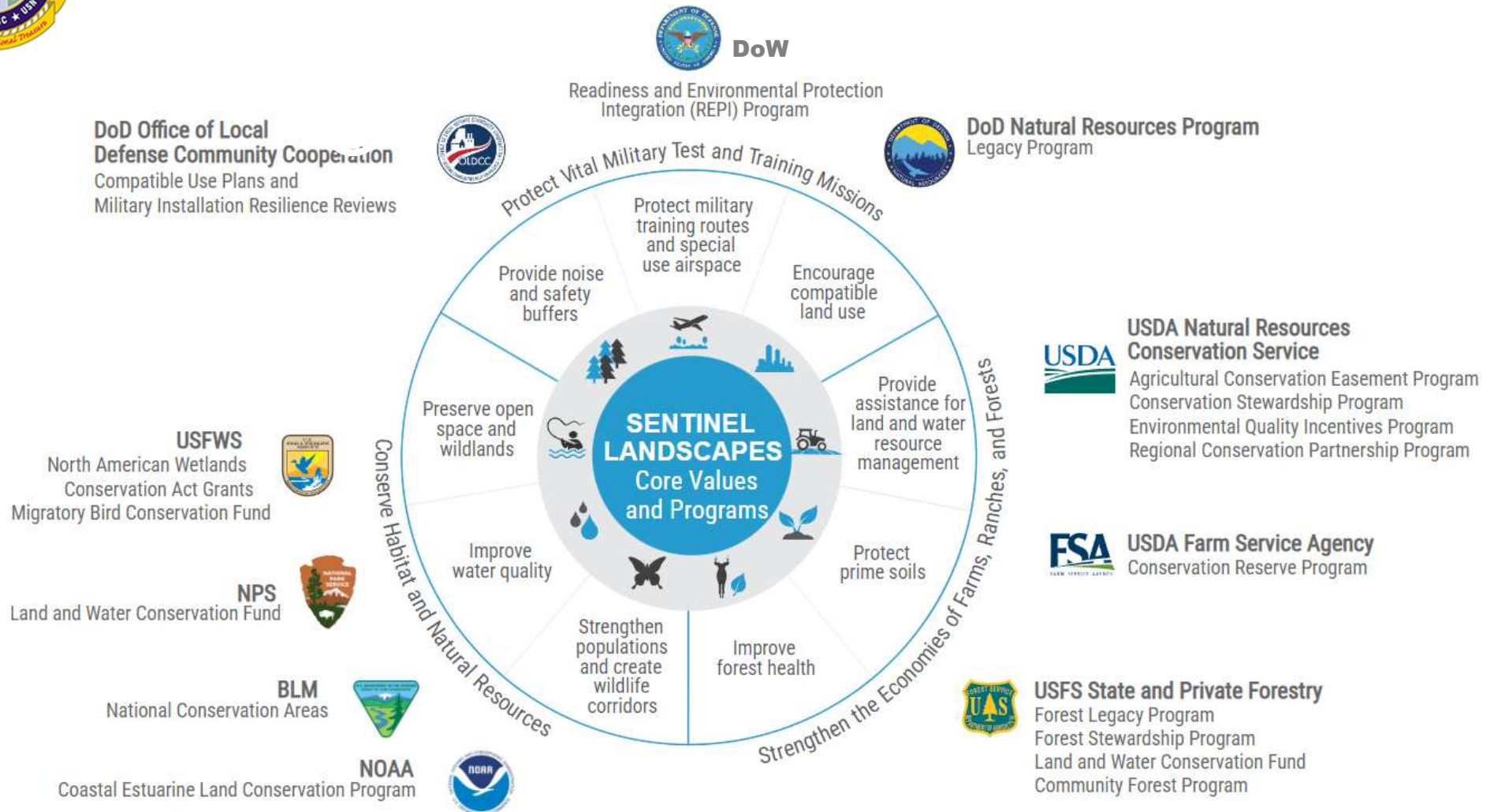


Sentinel Landscape Video

<https://www.dvidshub.net/video/920275/department-defenses-readiness-and-environmental-protection-integration-program-and-sentinel-landscapes-partnerships-vital-role-conserving-threatened>



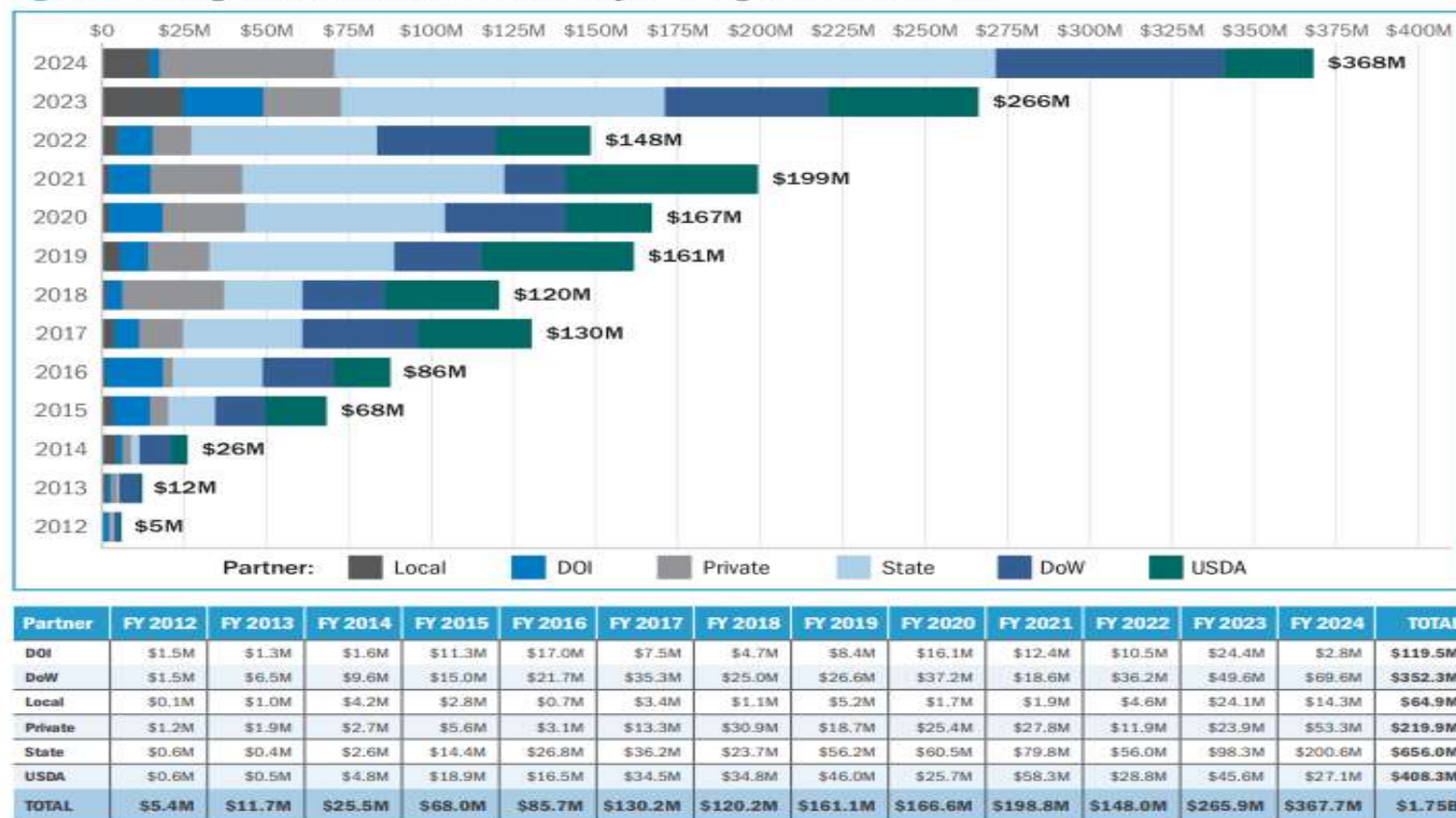
Federal Programs Active in Sentinel Landscapes



Federal, State, Local and NGO Partners Active in Sentinel Landscapes



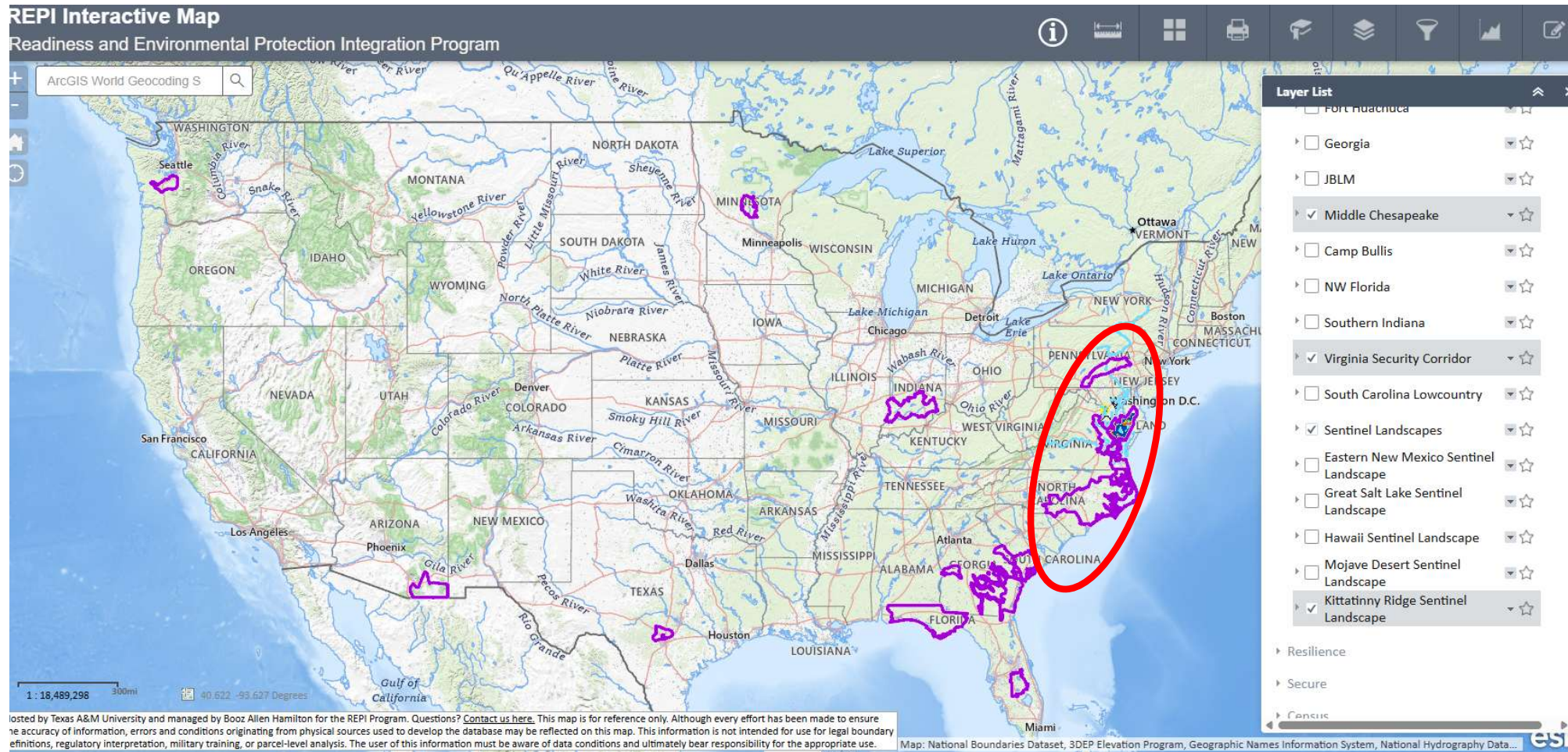
Figure 3: Funding Committed to Sentinel Landscapes Through FY 2024 in Millions



https://www.repi.mil/Portals/44/sl_accomplishments_2025_20260521.pdf



Sentinel Landscapes Across the U.S.



Middle Chesapeake Sentinel Landscape: MD, VA, DE Established 2015



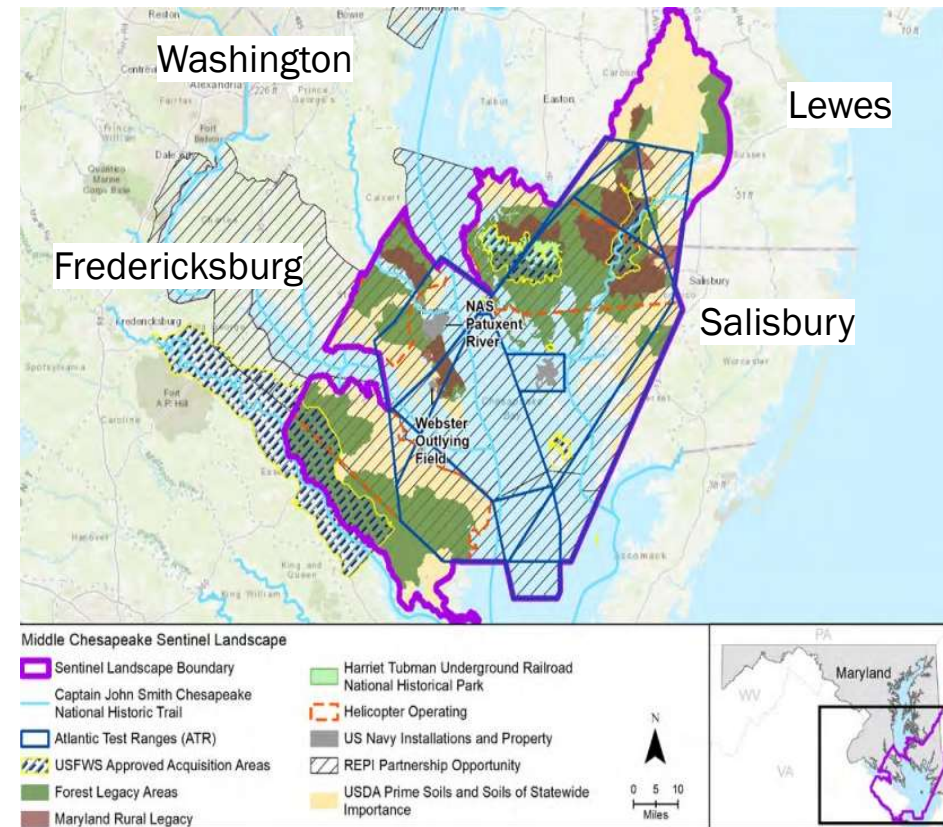
Middle Chesapeake Sentinel Landscape:

- Anchor Installation: NAS Patuxent River
- Landscape Area: 2,231,277 acres

Preserve large continuous tracts of land beneath the Navy's area of operation to limit incompatible development and ensure military readiness.

Prevent the conversion of working lands to non-agricultural uses

Protect and restore habitat for rare, threatened and endangered species and create connected wildlife corridors.



Middle Chesapeake Sentinel Landscape, MD, VA, DE Metrics



Acres Protected and Enrolled in
Financial and Technical

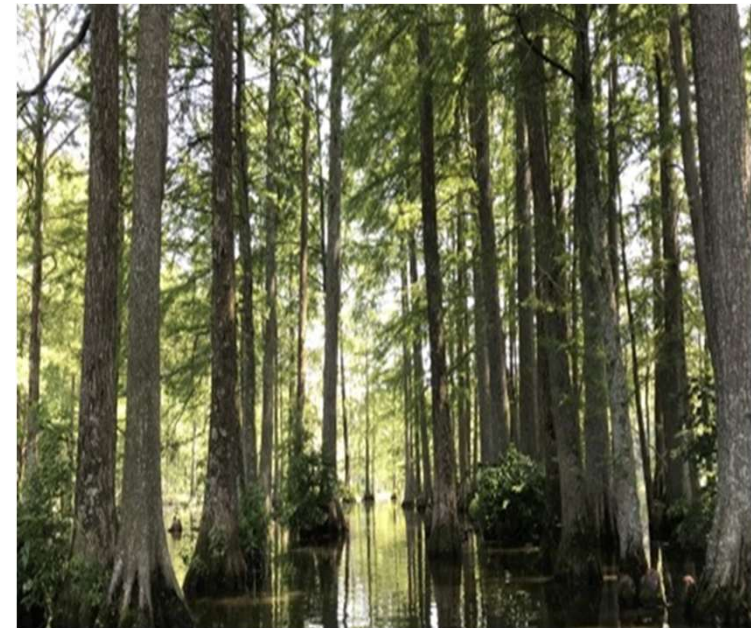
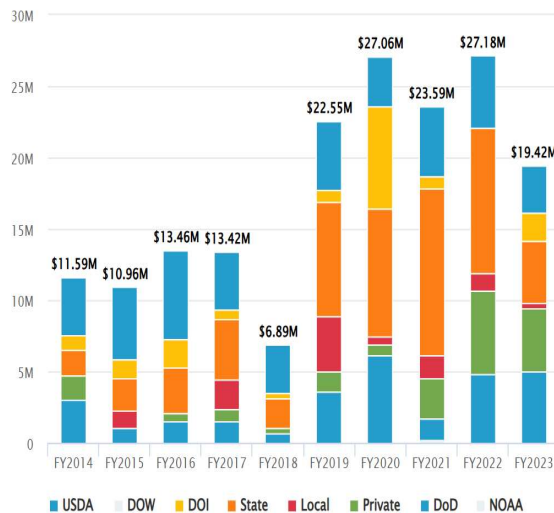
Acres Protected Since Designation:

63,242

Areas Enrolled in Conservation
Practices:

123,939

Total Funding by Partner



Sentinel Landscape Coordinator:
joanna@jboconservation.com



Middle Chesapeake Sentinel Landscape, Maryland: Partners



Example Partners:

- USDA - NRCS
- DOI - USFWS and NPS
- Commonwealth of Virginia
- Maryland DNR
- Delaware Department of Natural Resources
- St. Mary's County
- Chesapeake Conservancy
- Eastern Shore Land Conservancy
- Patuxent Tidewater Land Trust,
- The Nature Conservancy
- The Conservation Fund.
- Trust for Public Land
- and many more...

MIDDLE CHESAPEAKE SENTINEL LANDSCAPE

DELAWARE, MARYLAND, AND VIRGINIA | Est. 2015

The Chesapeake Bay is America's largest estuary spanning over 2.8 million acres. The ecosystem is valued for its natural beauty, economic productivity, and ecological vitality. It is also home to one of the U.S. Navy's premier aircraft testing locations, Naval Air Station (NAS) Patuxent River-Atlantic Test Ranges (ATR). The U.S. Navy conducts over 150,000 annual testing and research flights within its 1.5 million-acre special use airspace in the region. This averages out to more than 410 aircraft operations occurring per day. In 2015, a diverse group of stakeholders came together to form the Middle Chesapeake Sentinel Landscape. Despite the landscape's historic agricultural and fishing traditions, it is less than two hours driving distance from Washington, D.C., and is a coveted location for weekend or summer homes. This dynamic presents a challenge for the partners within the sentinel landscape, whose individual missions can conflict with unfettered development. The primary goal of the Middle Chesapeake Sentinel Landscape is to protect land that supports wildlife, agricultural productivity, and the U.S. Navy's mission.

Landscape Goals

- Protect working lands, wildlife habitat, and the military readiness of NAS Patuxent River by accelerating the rate of land conservation within the landscape.
- Increase climate resilience to ensure the long-term sustainability of the environment, military readiness, agricultural and other natural resource-based industries, and local communities.
- Collaborate with partners to optimize resources for conservation and restoration initiatives, promoting equity across the landscape through increased public access to protected lands and enhanced engagement with underserved landowners.
- Enhance communication across the partnership to encourage collaboration, identify opportunities to leverage on-going efforts, and share knowledge of methods and techniques to increase effectiveness.

Scenic soybean field on the banks of the Patuxent River in Solomons, Maryland. (Photo by Preston Hare)

LANDSCAPE DETAIL

Total Sentinel Landscape Area: 2,231,277 acres		
Total Protected Acres: 59,881 From year established through fiscal year 2022	Total Enrolled Acres: 67,625 For fiscal year 2022	Active Base Area Acres: 7,640

SENTINELLANDSCAPES.ORG

2023 LANDSCAPE PROFILE | Middle Chesapeake

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<https://sentinellandscapes.org/landscapes/middle-chesapeake/>



Virginia Security Corridor Sentinel Landscapes, VA Established 2023



The Virginia Security Corridor:

- 2.9 million acres - land and water
- Potomac Sentinel Landscape – anchored by Marine Corps Base Quantico
- Tidewater Sentinel Landscape – anchored by Joint Base Langley-Eustis
- Supports 10 military installations - every Branch of the U.S. Armed Forces
- Connects Eastern North Carolina and Middle Chesapeake Sentinel Landscapes



Virginia Security Corridor Sentinel Landscapes, VA: Partners



VIRGINIA SECURITY CORRIDOR SENTINEL LANDSCAPE VIRGINIA | Est. 2023

The Virginia Security Corridor is comprised of two sentinel landscapes: Potomac and Tidewater. This region encompasses over 2.9 million acres of land and water in Virginia's "Golden Crescent," an area of high military concentration, population growth, urban sprawl, and a growing technology industry. It is also home to some of the Commonwealth's most abundant resources, including intact forests, open and agricultural lands, and complex marsh and riverine systems that connect to the nation's largest estuary—the Chesapeake Bay.

The Virginia Security Corridor supports 10 military installations representing every branch of the U.S. Armed Forces. Specifically, the Potomac Sentinel Landscape is anchored by Marine Corps Base Quantico and the Tidewater Sentinel Landscape is anchored by Joint Base Langley Eustis.

Partners established the Virginia Security Corridor to safeguard military testing and training activities, promote the use of Virginia's working lands, enhance resilience to climate-induced hazards, and conserve and restore vital habitats for improved water quality and protection of endangered species. These sentinel landscapes will also provide a connection between the Middle Chesapeake and Eastern North Carolina Sentinel Landscapes, enabling coordination of opportunities at a regional scale.

Landscape Goals

- Work collaboratively with landowners to implement the Virginia Joint Land Use Study recommendations to foster compatible use and resilience near military installations, while retaining at-risk working forest and agricultural lands.
- Support comprehensive initiatives for coastal resilience, water management, and forest/fire management to mitigate the impacts of natural hazards, including inland and coastal flooding, and uphold water quality goals, particularly for the Chesapeake Bay and Albemarle-Pamlico estuary.
- Stimulate economic growth in rural areas that is compatible with the objectives of military installations, safeguarding high conservation value lands to preserve dark skies and natural habitats.
- Focus on land concerns (encroachment, forest health, arable and conservation lands, fire/flood abatement) in the north, central, and southwestern regions and water quality concerns in the southeastern region, while ensuring complementary efforts across all regions.



LANDSCAPE DETAIL		
Total Sentinel Landscape Area:		
1,606,512 acres (Potomac)	1,343,153 acres (Tidewater)	
Total Protected Acres: 0 From year established through fiscal year 2022	Total Enrolled Acres: 0 For fiscal year 2022	Active Base Area Acres: 194,711

SENTINELLANDSCAPES.ORG

2023 LANDSCAPE PROFILE | Virginia Security corridor

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<https://sentinellandscapes.org/landscapes/virginia-security-corridor/>

Example Partners:

- National Park Service Chesapeake Bay Office
- NOAA Chesapeake Bay Office
- U.S. Fish and Wildlife Service Virginia Field Office
- USDA Natural Resources Conservation Service
- USFS Washington Jefferson National Forest
- Virginia Department of Conservation and Recreation
- Capital Region Land Conservancy
- Caroline County
- City of Hampton
- The Ward Burton Wildlife Foundation
- The Pew Charitable Trusts

- The Black Family Land Trust
- Hampton Roads Military & Federal Facilities Alliance
- Hampton Roads Planning District Commission
- Rappahannock River Basin Commission
- Richmond Regional Commission
- Virginia Farm Bureau
- American Battlefield Trust
- Ducks Unlimited
- Friends of the Lower Appomattox
- The Virginia Agri-Business Council
- Virginia Forever, and many more...

Tidewater Sentinel Landscape Coordinator: Mary.Bennett@dof.virginia.gov
Potomac Sentinel Landscape Coordinator: Christopher.Moi@dof.virginia.gov



Kittatinny Ridge Sentinel Landscape, PA: Established 2024



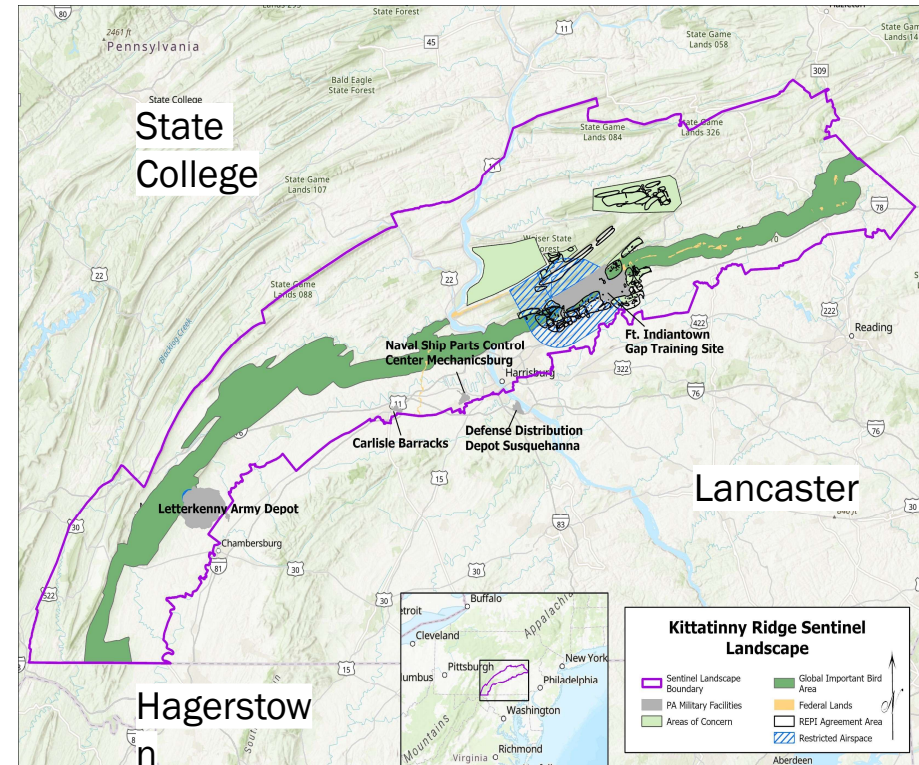
Kittatinny Ridge Sentinel Landscape

- Anchored by Fort Indiantown Gap
- Includes Letterkenny Army Depot
Carlisle Barracks, Naval Ship Parts
Control Center Mechanicsburg



Total Sentinel Landscape Area:
1.9 million acres

Active Base Area Acres:
17,203



Kittatinny Ridge Sentinel Landscape, PA:

Landscape Goals and Partners



Landscape Goals

Preserve training missions and enhance readiness in the Kittatinny Ridge military corridor

Improve nature-based recreational resources and access to sustain small-town economies

Support working lands productivity and economic development

Increase coordinated and holistic land conservation, natural resource protection and stewardship initiatives

Example Partners:

- U.S. Department of Agriculture, Natural Resources Conservation Service
- U.S. Fish and Wildlife Service
- Pennsylvania Department of Agriculture
- Pennsylvania Department of Conservation and Natural Resources
- Pennsylvania Department of Military and Veterans Affairs
- Pennsylvania Game Commission
- Pennsylvania Military Community Enhancement Commission, and
- Pennsylvania Office of Outdoor Recreation



<https://sentinel landscapes.org/landscapes/kittatinny-ridge/#resources>

Sentinel Landscape Coordinator:

Tanya Dierolf: tanya@legacyworksgroup.com



Resources: Mission Ready - State Policy Options to Sustain Military Installations



- *“State legislatures are critical in managing relations between the military and surrounding communities, especially regarding issues of mission change, growing local development and incompatible land uses that may threaten the military’s ability to operate effectively.”*
- *“State-level proactive strategies will become even more critical to the sustainability of military operations and defense communities.”*

Mission Ready

State Policy Options to Sustain Military Installations



<https://www.ncsl.org/military-and-veterans-affairs/mission-ready-state-policy-options-to-sustain-military-installations>



Select a Sentinel Landscape

Land trusts and watershed organizations associated with the selected Sentinel Landscape are listed below. The complete lists of [land trusts](#) and [watershed organizations](#) within all Sentinel Landscapes are available for download, as is a [report](#) explaining the data and methods for the Chesapeake Healthy Watersheds Assessment.

Watershed Organization Name	Email
Alliance for the Chesapeake Bay	contact@allianceforthebay.org
American Canoe Association	aca@americancanoe.org
American Fisheries Society	main@fisheries.org
American Rivers	feedback@americanrivers.org
American Society of Landscape Architects, Virginia ...	admin@vaasla.org
American Water Resources Association	info@awra.org
Blue Ridge Voyageurs	hvanoss.cement@gmail.com
Center for Watershed Protection	mia@cwpp.org

Land Trust Name	Email
Access Fund	hi@accessfund.org
American Battlefield Trust	tgilmore@battlefields.org
American Farmland Trust	info@farmland.org
Broad Water Innovations	tee@broadwaterinnovations.org
Capital Region Land Conservancy	executivedirector@capitalregionland.org
Coastal Virginia Conservancy (Formerly Living River...)	info@covaconserve.org
Ducks Unlimited, Inc.	mhines@ducks.org
Ever Green Team	evergreenteam@outlook.com
Friends of Dragon Run	PresidentDragonRun@gmail.com

Key Points on the Sentinel Landscapes Partnership Program



- Projects are all off-base – in defense communities
- Like REPI, SL projects require match
- SL looks beyond one base – one project to achieve regional benefits



Newsletter:

<https://public.govdelivery.com/accounts/USGOVREPI/signup/38552>

