

# Military Partnership Funding Opportunities: DoD-Supported Programs

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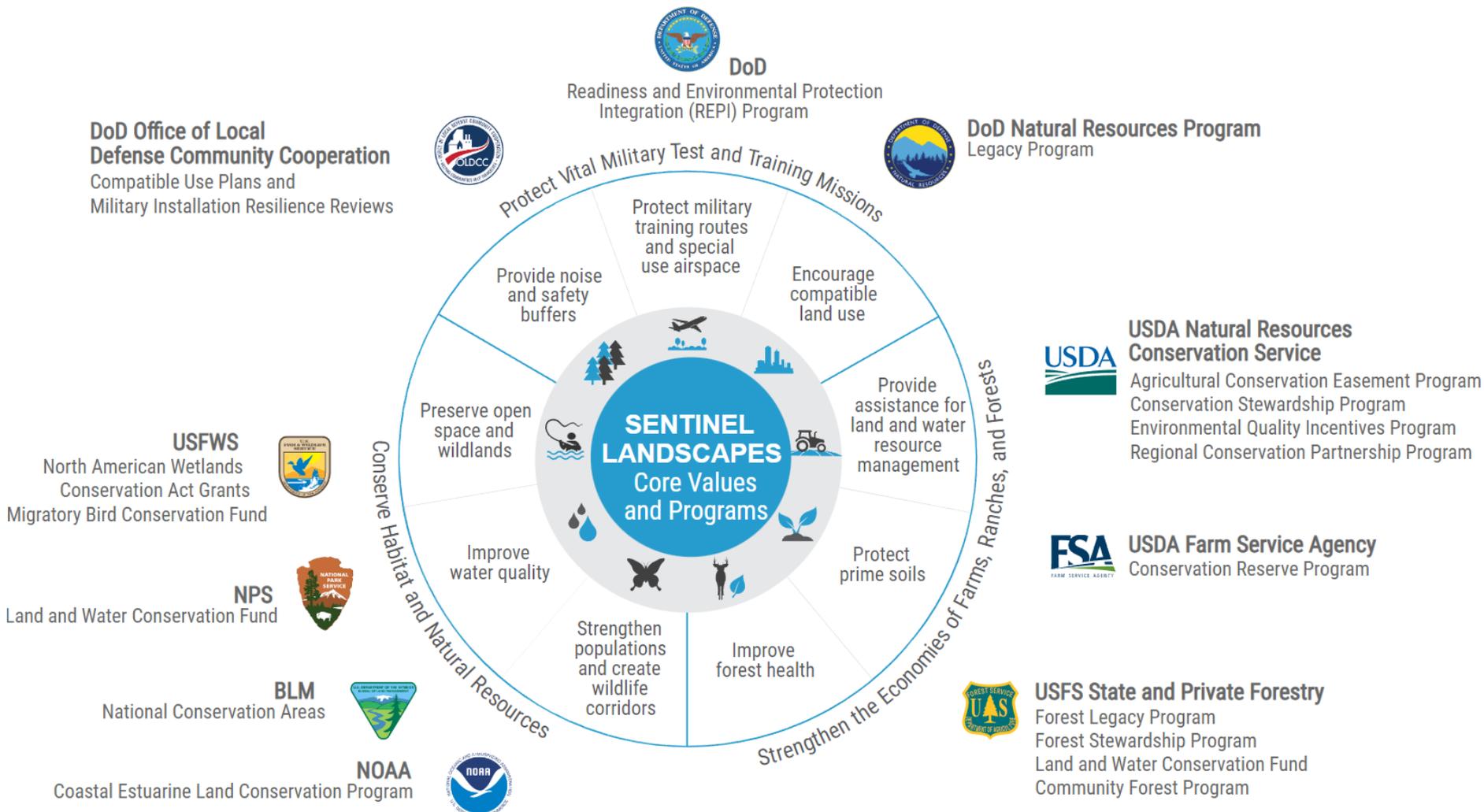
**Eastern North Carolina  
Sentinel Landscape**



# SENTINEL LANDSCAPES



## The Sentinel Landscape Partnership (est. 2013)



# SENTINEL LANDSCAPES



## Sentinel Landscapes

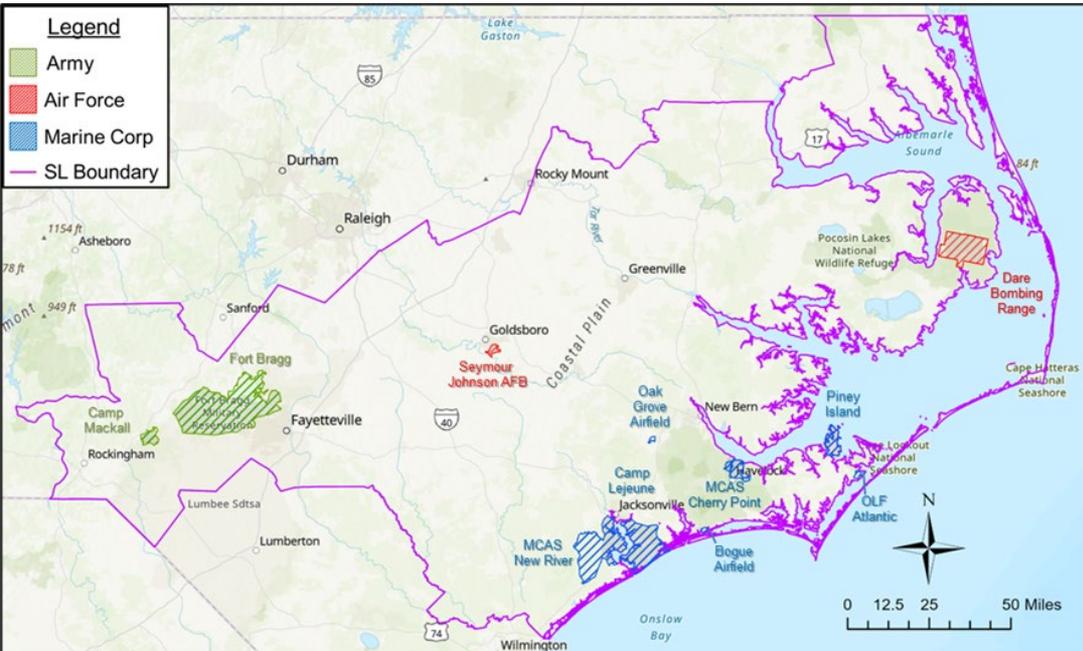


**Federal Coordinating Committee Definition:**  
Areas in which natural and working lands are well suited to protect defense facilities from land use that is incompatible with the military's mission.

# SENTINEL LANDSCAPES



## Eastern North Carolina Sentinel Landscape



| Sector  | ENCSL Partner Organizations  |
|---------|--|
| Federal | <ul style="list-style-type: none"> <li>U.S. Air Force - Seymour Johnson AFB and Dare County Bombing Range</li> <li>U.S. Army - Fort Bragg and Camp Mackall</li> <li>U.S. Department of Agriculture, Farm Service Agency (FSA)</li> <li>U.S. Department of Agriculture, Forest Service and State Croatan National Forest</li> <li>U.S. Department of Agriculture, Natural Resource Conservation Service (NRCS)</li> <li>U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA)</li> <li>U.S. Department of Defense, Office of Economic Adjustment (OEA)</li> <li>U.S. Department of Defense, Readiness and Environmental Protection Integration (REPI)</li> <li>U.S. Department of the Interior, Fish and Wildlife Service (USFWS)</li> <li>U.S. Department of the Interior, National Park Service (NPS)</li> <li>U.S. Marine Corps - MCB Camp Lejeune, MCAS Cherry Point, MCAS New River</li> <li>U.S. Navy, Navy Region Mid Atlantic</li> </ul>  |
| State   | <ul style="list-style-type: none"> <li>Albemarle-Pamlico National Estuary Partnership</li> <li>North Carolina Department of Agriculture and Consumer Services                             <ul style="list-style-type: none"> <li>•Office of the Commissioner</li> <li>•North Carolina Agriculture Development and Farmland Preservation Trust Fund</li> <li>•North Carolina Division of Soil and Water Conservation</li> <li>•North Carolina Forest Service</li> <li>•North Carolina Soil and Water Conservation Commission</li> </ul> </li> <li>North Carolina Department of Commerce                             <ul style="list-style-type: none"> <li>•Rural Economic Development Commission</li> </ul> </li> <li>North Carolina Department of Military and Veterans Affairs                             <ul style="list-style-type: none"> <li>•Office of the Secretary</li> <li>•NC Military Affairs Commission</li> </ul> </li> <li>North Carolina Department of Natural and Cultural Resources                             <ul style="list-style-type: none"> <li>•North Carolina Clean Water Management Trust Fund Rural Economic Development Commission</li> <li>•North Carolina Natural Heritage Program</li> </ul> </li> <li>North Carolina Department of Transportation</li> <li>North Carolina State University</li> </ul> |
| Local   | <ul style="list-style-type: none"> <li>NC East Alliance</li> <li>North Carolina Association of Soil &amp; Water Conservation Districts</li> <li>North Carolina Farm Bureau Federation</li> <li>North Carolina Forestry Association</li> <li>North Carolina Foundation for Soil and Water Conservation</li> </ul>   |
| Private | <ul style="list-style-type: none"> <li>Bragg Alliance</li> <li>Brooks, Pierce, McLendon, Humphrey &amp; Leonard, LLP</li> <li>Conservation Trust for North Carolina</li> <li>Environmental Defense Fund</li> <li>National Fish and Wildlife Foundation                             <ul style="list-style-type: none"> <li>•Longleaf Stewardship Trust Fund</li> </ul> </li> <li>North Carolina Coastal Land Trust</li> <li>North Carolina Grange</li> <li>North Carolina Land of Water</li> <li>North Carolina Military Business Center</li> <li>South Atlantic Landscape Conservation Cooperative</li> <li>Southern Group of State Foresters</li> <li>The Coastal Land Trust</li> <li>The Conservation Fund</li> <li>The Nature Conservancy</li> <li>The North Carolina Coastal Federation</li> </ul>   |

Bolstering...

Military Readiness

Agricultural and Forestry Economies

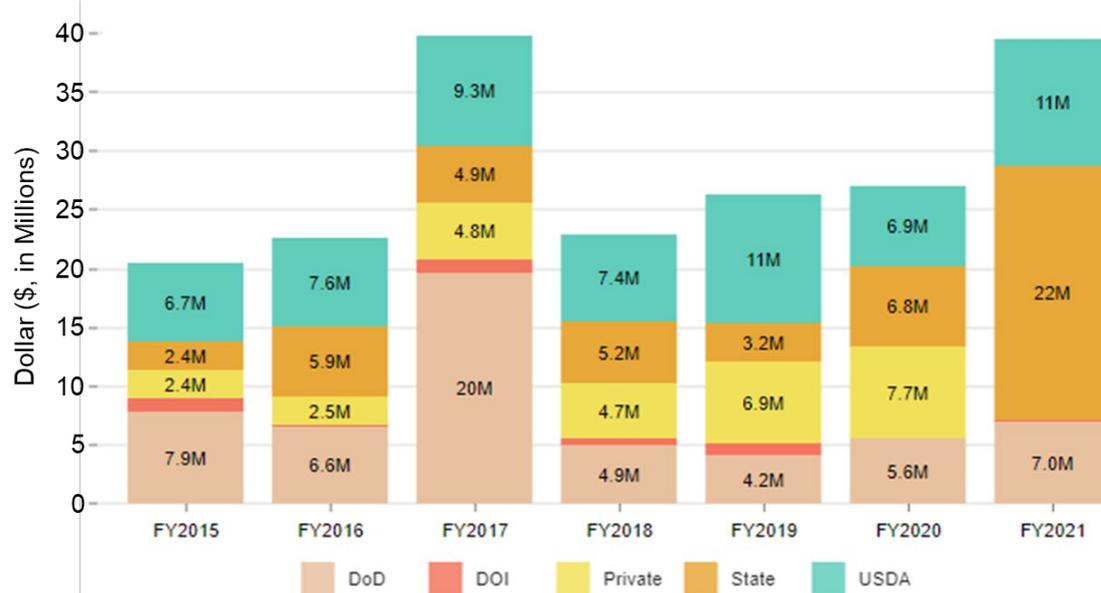
Natural Resource Conservation

Climate Change Resiliency

# SENTINEL LANDSCAPES



## Funding Committed By Partner



## DoD Funding Sources



UNITED STATES DEPARTMENT OF DEFENSE  
**REPI** READINESS AND ENVIRONMENTAL  
 PROTECTION INTEGRATION PROGRAM



**U.S. Department of Defense**  
 Office of Local Defense  
 Community Cooperation

# SENTINEL LANDSCAPES



UNITED STATES DEPARTMENT OF DEFENSE

**REPI** READINESS AND ENVIRONMENTAL  
PROTECTION INTEGRATION PROGRAM



## REPI Challenge:

### Eligible Use of Funds:

- land conservation, improvement, or management activities that limit incompatible development in the vicinity of DoD installations and ranges;
- enhance military installation resilience to climate change or extreme weather events;
- or relieve current or anticipated environmental restrictions in support of key mission capabilities of strategic importance.

**Eligible Grantees:** state government, political subdivision of a state, or private entity whose organizational purpose or goal is conservation, restoration or preservation of land and natural resources.

*\*\*REPI funds can serve as non-federal match for any other federal grant program. A portion of REPI Challenge funds allocated to NFWF NCRF.*

### Example Resilience-Focused Projects

- Fuels and Wildfire Risk Reduction
- Coastal Shoreline Erosion Solutions and Streambank Stabilization
- Large-scale Land Conservation for Water Supply Protection Benefits
- Groundwater Recharge Projects
- Resilience Improvements Planning

More Information at:  
[www.REPI.MIL](http://www.REPI.MIL)



**U.S. Department of Defense**  
Office of Local Defense  
Community Cooperation

## *Military Installation Resilience Review (MIRR)*

**Partnership:** Local civilian jurisdiction(s) partner(s) with installation as “one community.”

**In order to:** Identify 1) shared man-made or natural threats to the community and sustainment of the local military installation and 2) priority actions to address these vulnerabilities.

**Scope:** Comprehensive review of threats and vulnerabilities *or* targeted study around a specific issue (frequently utilities/infrastructure).

**Typical Deliverable:** Robust vulnerability assessment and priority resiliency actions (project pipeline).

| Project / Activity   | Priority | Time Frame |        |      | Infrastructure/Vulnerabilities |                |       |           |           |       | Resource or Example | Potential Partnership(s)   | Funding Mechanisms  |  |
|--|----------|------------|--------|------|--------------------------------|----------------|-------|-----------|-----------|-------|---------------------|--|---|--|
|  |          | Short      | Medium | Long | Energy                         | Transportation | Water | Buildings | Utilities | Other |                     |  |   |  |
| <b>GOAL: RESILIENCE DATA INTEGRATION</b>   |          |            |        |      |                                |                |       |           |           |       |                     |  |   |  |
| <b>IMPROVE COUNTY WIDE RESILIENCE DATA</b>   |          |            |        |      |                                |                |       |           |           |       |                     |  |   |  |
| Identify key civilian vulnerabilities which intersect with the MIRR study. Examine the additional vulnerabilities evidence associated with projected climate change conditions including but not limited to low lying public facilities, high schools, senior care facilities, public buildings, fire water infrastructure.  | High     | X          |        |      |                                |                |       |           |           |       |                     | High School with Coastal Vulnerability Analysis Study - BEH 2020 | Beaufort County, Jasper County, North Beaufort Sound Foundation, Spring Branch  | Port Royal Sound Foundation's Research Book, Coastal Community Foundation's Beaufort Area Community Foundation for the Lowcountry Impact Grants  |
| Identify key military facilities that intersect with the MIRR study that intersect with existing vulnerabilities to incorporate additional context and amend priority mitigation plans to reflect community considerations.  | High     | X          |        |      |                                |                |       |           |           |       |                     | Coastal Vulnerability Analysis Study - BEH 2020                  | Beaufort County, Jasper County, North Beaufort Sound Foundation, Spring Branch  | Port Royal Sound Foundation's Research Book, Coastal Community Foundation's Beaufort Area Community Foundation for the Lowcountry Impact Grants  |
| Expanded interpretation of local tide gauges to monitor and better understand the unique tidal conditions of the most threat bound productive land area is currently based on tide gauge data taken from Ft. Parris. Design and a program for the local and military agencies that will monitor the changes of tidal ranges between the areas due to the South Atlantic Right during the study tide gauges have been installed by the Beaufort Sound Foundation and City of Beaufort. The program is made by Herby and Kimberly, BEH/CC, to be a continuous coastal observation program. The data will be used to inform the MIRR study and the local and military agencies. | Medium   |            | X      | X    |                                |                |       |           |           |       |                     | South Atlantic Right   | Beaufort County, Jasper County, North Beaufort Sound Foundation, Spring Branch  | Port Royal Sound Foundation's Research Book, Coastal Community Foundation's Beaufort Area Community Foundation for the Lowcountry Impact Grants  |
| <b>INTEGRATE RISK DATA INTO EMERGENCY MANAGEMENT</b>   |          |            |        |      |                                |                |       |           |           |       |                     |  |   |  |
| Incorporate future climate scenarios into emergency management plans to identify and provide critical areas of future necessity, including for public transportation systems.  | High     | X          |        |      |                                |                |       |           |           |       |                     | Transportation Risk & Vulnerability Assessment Study             | Department of Defense, MCRD Parris Island MCRD Beaufort, Pamlico River (PR), Beaufort County Planning and Zoning, S.C. Sea Grant Coastal Resilience Program | DMA's Building Resilient Infrastructure and Communities (BRIC), FEMA Hazard Mitigation Grant Program (HMP), Beaufort County Planning and Zoning, S.C. Sea Grant Coastal Resilience Program |
| Incorporate predictive modeling into action plans for evacuations of MCRD Parris Island and MCRD Beaufort to better inform the community and local government on business during emergencies and demands on evacuation resources.  | High     |            | X      |      |                                |                |       |           |           |       |                     | Example: Marine Corps Base Camp Lejeune                          | Department of Defense, MCRD Parris Island MCRD Beaufort, Pamlico River (PR), Beaufort County Planning and Zoning, S.C. Sea Grant Coastal Resilience Program | DMA's Building Resilient Infrastructure and Communities (BRIC), FEMA Hazard Mitigation Grant Program (HMP), Beaufort County Planning and Zoning, S.C. Sea Grant Coastal Resilience Program |

### Shoreline Stabilization



### Short Term Recommendation 1

Stabilize coastal edge with planted vegetation and rock to absorb wave energy and buffer upland areas from erosion disturbances, leading to an increase in marsh ecosystem services value over time.

- **Responsible Parties:** Leverage existing partnership between South Carolina Coastal Conservation Leagues and the South Carolina DNR, with SCCCL as the lead.
- **Funding:** DoD's REPI Challenge, NFWF's Five Star and Urban Waters Restoration Grant Program, NFWF's National Coastal Resilience Fund, NOAA's National Coastal Resilience Fund (NCRF), PEW Charitable Trust's Coastal Habitat Grant, Coastal Community Foundations' Beaufort Fund



**U.S. Department of Defense**  
Office of Local Defense  
Community Cooperation

## *Defense Community Infrastructure Pilot (DCIP) Program*

**Grants to:** Address deficiencies in community infrastructure [off installation], supportive of a military installation,

**In order to:** Enhance military value, installation resilience, and military family quality of life.

### **Eligible Projects:**

- Complete and Usable Transportation Projects
- Community Support Facilities
- Utility Infrastructure Projects

#### **That are:**

- State or local govt or not-for-profit, member owned utilities.
- Construction ready
- Installation commander endorsed

### **Example Resilience-Focused Projects**

- Fire station to enable faster wildlife firefighting response (Eglin AFB/Walton Co. FL)
- Microgrid, battery storage, and electrical infrastructure for energy resilience (JB Elmendorf-Richardson, Municipality of Anchorage)
- Dam restoration/improvements to mitigate flood risk (Military Ocean Terminal, Sunny Point/City of Boiling Springs Lakes, NC)

➤ **Engage with Your Local Military Installation(s)!**

➤ **Reach out to the ENCSL Partnership Coordinators to facilitate installation engagement!**

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