

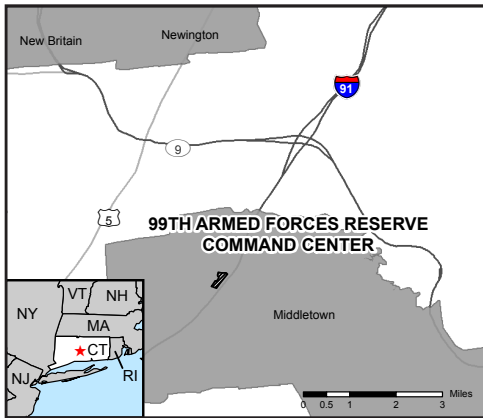


U.S. ARMY :

# 99<sup>TH</sup> ARMED FORCES RESERVE CENTER : CONNECTICUT



**T**he 99<sup>th</sup> Regional Support Command's Middletown Armed Forces Reserve Center is home to soldiers from the Army Reserve and Connecticut National Guard. The Armed Forces Reserve Center was constructed after the Base Realignment and Closure recommendation to consolidate all Army Reserve and National Guard facilities in Connecticut. The new, state-of-the-art facility provides Reserve and National Guard units training and classroom resources, while boosting the local economy.



Unfortunately, construction of the Armed Forces Reserve Center impacted approximately 1.6 acres of wetlands. Therefore, to obtain the necessary approval under Section 404 of the Clean Water Act, the Army Corps of Engineers required a wetlands mitigation process to address the impacted wetlands. With no wetland banks or in lieu fee programs in the

state of Connecticut, the Army decided to work with the Middlesex Land Trust to protect an appropriate site in perpetuity suitable for wetland mitigation.

The acquisition of 54 acres of wetlands will directly compensate for the loss of wetlands on-post. The Middlesex Land Trust will own and manage the property for conservation purposes, meeting the mutual goals of the land trust and the Army. Their management will include long-term habitat management and ensuring that the terms of the deed are met in accordance with the final mitigation plan, providing opportunities to enhance water quality and control invasive species. Through this project, the Army and its partners have benefited the local community, the environment, and national defense.

## BENEFIT SUMMARY

### COMMUNITY

- Brings together new partners
- Preserves habitat and wetlands
- Helps preserve water quality

### MILITARY

- Supports new training facility for physical fitness and weapons simulation training



The new Armed Forces Reserve Center serves as a "virtual installation" for Army Reserve soldiers from Maine to Virginia (top). Construction of the new building prompted wetlands mitigation efforts (bottom).

## KEY PARTNERS

- Middlesex Land Trust

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**54**
- » Transactions conducted:  
**1**
- » Total funds expended:  
**\$1.7 million**
- » Project status:  
**Completed**

## CONTACT

Office of the Assistant Chief of Staff  
for Installation Management  
ACUB Coordinator  
(571) 256-9731

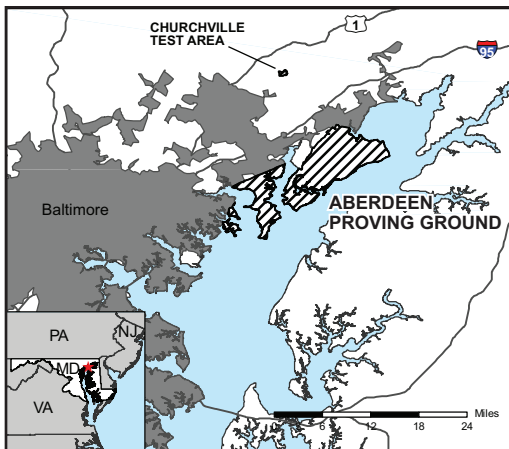


U.S. ARMY :

# ABERDEEN PROVING GROUND : MARYLAND



**A**berdeen Proving Ground is the Department of Defense's oldest active proving ground, where military weapons, vehicles, and other technology or military strategies are tested. Aberdeen is the Department's lead for automotive testing for all manned and unmanned, wheeled, and tracked vehicles. Due to the region's temperate climate, the Army can test vehicles in 80 percent of real-world environments using world-renowned test tracks. These tracks, a national asset, are irreplaceable and critical to present and future testing of vehicles.



However, significant regional suburban growth stretching out from the city of Baltimore and other nearby towns is causing conflict due to noise, dust, and other issues. The combined efforts of the Aberdeen Test Center staff and concerned local stakeholder Harford Land Trust helped alleviate this threat to the nearby Churchville Test Area. This location is a hilly set of cross-country road test tracks providing a variety of steep inclines and tight turns designed to stress engines, drivetrains, and suspension systems for vehicles such as tanks, Bradley fighting vehicles, and the Humvee.

Of particular concern was the only owner of land not enrolled in a conservation program adjacent to the test area. The owner planned to subdivide his property into a housing development, and new residents could lead to noise complaints that would interfere with the test mission. Saving this farmland protects Deer Creek, part of a watershed that provides drinking water for nearby communities and is the only known habitat for the endangered Maryland darter.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves working lands and local character
- Supports existing regional planning efforts
- Provides recreational opportunities for area residents
- Protects water supplies

### MILITARY

- Preserves maneuver training capacity through the buffering of high-noise areas
- Increases operational safety
- Provides for future mission growth



Varied and hilly terrain allows for testing of maneuver vehicles at the Churchville Test Area (top and bottom).

## KEY PARTNERS

- Eastern Shore Land Conservancy, Inc.
- Harford County
- Harford Land Trust
- U.S. Fish and Wildlife Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**1,154**
- » Transactions conducted:  
**14**
- » Total funds expended:  
**\$11.2 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(410) 278-1147



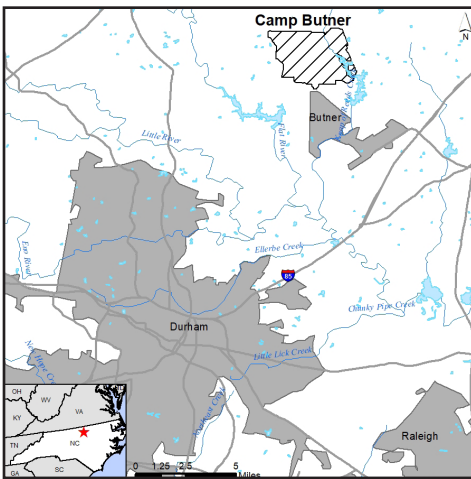


U.S. ARMY :

# CAMP BUTNER : NORTH CAROLINA



**C**amp Butner Training Center (CBTC) contains 98% of the North Carolina Army National Guard (NCARNG)'s field training acreage and all of its small arms ranges. CBTC also supports training for the North Carolina Air National Guard, U.S. Army Reserve, Reserve Officer Training Corps, and active units from Fort Bragg and Camp LeJeune. Located about 15 miles north of two of North Carolina's largest and fastest-growing cities, Raleigh and Durham, and in the heart of those cities' watersheds, CBTC is at risk of having its training capabilities limited due to looming encroachment challenges.



CBTC seeks to protect 80% of the land within a 1-mile radius of the installation together with its partners. By limiting development in this area the installation can continue its operations without disturbing its neighbors, currently rural agricultural and low-density residential. Noise complaints, urban light pollution degrading nighttime training, and civilian trespassing and the resulting safety

issues have steadily increased over the past two decades at other military bases in the state as its population has grown. These problems have not significantly affected CBTC yet; however, NCARNG is being proactive to prevent these issues in the future.

CBTC's location within the watersheds of Raleigh and Durham, and those cities' interest in permanently protecting their clean water sources, have forged a partnership to benefit everyone. By cooperating to preserve the lands within a mile of CBTC's boundary, CBTC maintains its training capabilities while the local governments protect over 10,000 acres of prime watershed, an increasingly critical resource. The action also preserves a local timber rattlesnake habitat, a species which has almost disappeared from the State's Piedmont. Protecting the 1-mile buffer minimizes the remaining rattlesnake populations dispersing within CBTC's boundary and affecting its mission.

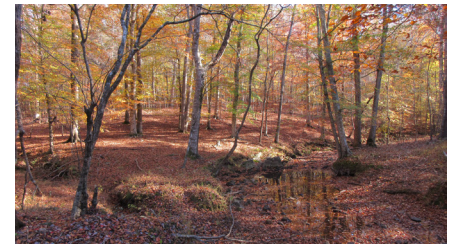
## BENEFIT SUMMARY

### COMMUNITY

- Preserves water resources
- Protects working lands
- Preserves habitat for threatened species
- Supports local coordinated planning efforts

### MILITARY

- Preserves live-fire and helicopter training capacity
- Ensures the ability to conduct training or testing activities that generate noise
- Prevents the loss of training days and the use of less-realistic workarounds



Soldiers compete in annual Sniper Match at Camp Butner (top). Dickens Creek at Camp Butner (photo by Tar River Land Conservancy) (bottom).

## KEY PARTNERS

- Tar River Land Conservancy
- Triangle Land Conservancy
- NC Clean Water Management Trust Fund
- City of Raleigh (Watershed Protection Program)
- Durham County
- Granville County
- Durham Soil and Water Conservation District

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**1,092**
- » Transactions conducted:  
**4**
- » Total funds expended:  
**\$3.6 million**
- » Project status:  
**In Progress**

## CONTACT

NCNG Public Affairs Office  
(984) 664-6829

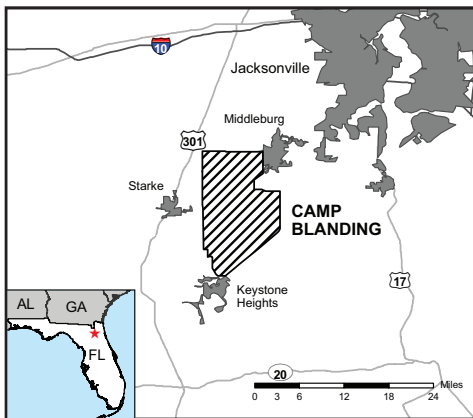


U.S. ARMY :

# CAMP BLANDING : FLORIDA



**A**s the Joint Training Center home to Florida's Army National Guard and Air National Guard, Camp Blanding also provides live-fire and maneuver training for Active and Reserve forces from around the country. The post is also home to a civil engineering squadron that can rapidly deploy to repair heavy damage to runways, facilities, and utilities of the Air Force worldwide. Additionally, Camp Blanding is an important ecological hub that is home to 40 federal and state listed animal and plant species.



The importance of habitat on and around Camp Blanding enabled the post to establish the first partnership to use the REPI authority to acquire conservation lands and easements, primarily through the state's Florida Forever program. The installation is also part of the Camp Blanding-Osceola Greenway initiative, which aims to preserve 153,000 acres between Camp

Blanding and Osceola National Forest.

With over \$60 million already spent to protect habitat, the partnership is restoring damaged ecosystems and water resources. These efforts, which include the long-term goal of restoring longleaf pine habitats, help sustain species that have the potential to cause severe restrictions to be placed on training lands. Precluding incompatible development also prevents noise, dust, and smoke complaints caused by training exercises. Also benefiting the public, the lands provide a variety of recreational opportunities and the county school board receives 15% of the proceeds from all timber sales from the state-managed forest lands in lieu of taxes.

## BENEFIT SUMMARY

### COMMUNITY

- Supports existing regional planning efforts
- Provides habitat for endangered species and connects to a wildlife corridor
- Protects water supply

### MILITARY

- Preserves on-installation live-fire, maneuver, helicopter, and night flying training that produces significant noise or requires minimal light pollution
- Allows for multi-Service missions



An urban training exercise at Camp Blanding (top). The red-cockaded woodpecker in its natural longleaf pine habitat (bottom).

## KEY PARTNERS

- Florida Defense Support Task Force
- Florida Department of Environmental Protection
- Florida Forest Service
- North Florida Land Trust
- St. Johns River Water Management District
- Suwannee River Water Management District
- U.S. Forest Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**27,926**
- » Transactions conducted:  
**21**
- » Total funds expended:  
**\$82.1 million**
- » Project status:  
**In Progress**

## CONTACT

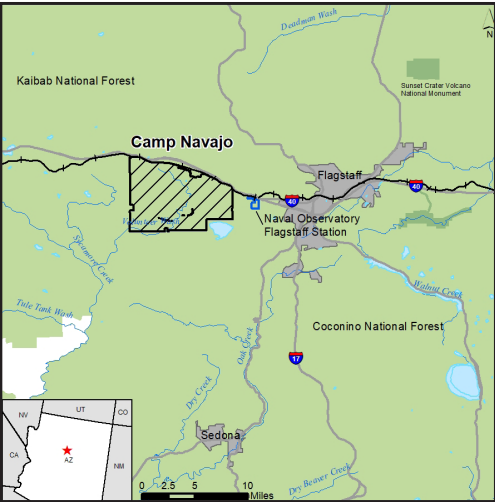
Public Affairs Office  
(904) 823-0166



U.S. ARMY :  
**CAMP NAVAJO** : ARIZONA



Camp Navajo’s versatile operating area provides maneuver, chemical, biological, radiological, nuclear, air mobile, and drop zone training to the Air Force, Army, and Navy. It is also tasked with storing Navy and Air Force nuclear missile rocket motors. With over \$5 billion worth of rocket motors and munitions assets in storage, Camp Navajo plays a key role in national defense operations.



Training ranges are distributed along the border of Camp Navajo, making them more susceptible to encroachment challenges. Their location increases the likelihood of trespassing, light pollution, noise concerns, and the spread of wildland fires off-installation—challenges that would be exacerbated by the growth of incompatible development in the area. Camp Navajo has also experienced training and operational

restrictions during the 6-month breeding season of the threatened Mexican spotted owl due to the decrease in its habitat. By acquiring surrounding land and establishing conservation easements, the installation can create a buffer between its operations and the surrounding area, while also protecting critical habitat for the owl.

In addition to protecting the installation’s mission, this REPI project will protect local wildlife, recreation, and water resources. Much of the surrounding area serves as a foraging habitat for not just the endangered Mexican spotted owl, but also more common species such as pronghorn, deer, turkey, and elk. By maintaining this area, the likelihood that these animals will seek shelter on the installation decreases and recreational hunting of local game can continue. Preserving this land in its natural state will also maintain it as an aquifer recharge zone, serving the aquifer which the surrounding area depends upon.

BENEFIT SUMMARY

COMMUNITY	MILITARY
<ul style="list-style-type: none"> <li>Provides habitat for endangered species and connects to a wildlife corridor</li> <li>Protects water supply</li> <li>Provides recreational activity</li> </ul>	<ul style="list-style-type: none"> <li>Protects live-fire training capabilities</li> <li>Protects training capabilities that generate significant amounts of noise</li> <li>Prevents workarounds that would have otherwise limited training capacity</li> </ul>



The threatened Mexican spotted owl is found throughout Camp Navajo (top). Thousands of Soldiers train at Camp Navajo every year; Commanders from all DoD Components value the realistic training environment and world-class facilities Camp Navajo offers (bottom).

KEY PARTNERS

- Coconino County, AZ
- Northern Arizona University
- Arizona Game and Fish Department
- Central Arizona Land Trust

FAST FACTS THROUGH 30 SEP 2019

» Acres preserved:	0
» Transactions conducted:	0
» Total funds expended:	\$560.1 Thousand
» Project status:	In Progress

CONTACT

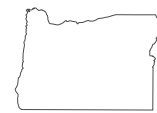
AZ National Guard Public Affairs Office  
 (602) 267-2550





U.S. ARMY :

# CAMP RILEA : OREGON



**C**amp Rilea is located on the temperate Clatsop Plains of the Oregon coast near the Washington border, and supports training in diverse geographies, including beaches, sand dunes, coastal plains, and mountains.

Camp Rilea hosts both Oregon Army and Air National Guard units, soldiers from Joint Base Lewis-McChord in Washington, and numerous civilian organizations with training including small arms, aerial and amphibious assault, and military operations in urban terrain.



However, 68 acres of on-post land was restricted as critical habitat for the threatened Oregon silverspot butterfly under the Endangered Species Act. Aside from the habitat on Camp Rilea, only four acres of viable habitat on the Clatsop Plains remained for the species after dramatic loss of the butterfly's historic range due to coastal development, changes in fire control management, and invasive

species. To respond to this habitat loss and mission restrictions, Camp Rilea worked with the North Coast Land Conservancy to preserve additional off-post habitat for the threatened species.

Preserving this habitat allows training restrictions to be lifted from habitat on Camp Rilea in an agreement with the U.S. Fish and Wildlife Service (USFWS) and offers opportunities for expanded military training. Additionally, having protected off-post habitat allows Camp Rilea to develop and replace on-post facilities more effectively and efficiently. Meanwhile, the Army will continue to work with the USFWS to manage continued recovery of the Oregon silverspot butterfly and its habitat.

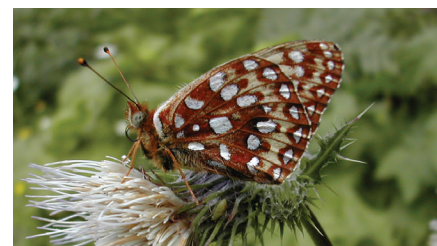
## BENEFIT SUMMARY

### COMMUNITY

- Supports existing regional planning efforts
- Preserves habitat for threatened species
- Protects water resources

### MILITARY

- Protects maneuver training capabilities
- Prevents workarounds that would have otherwise limited training capacity
- Reduces lost training days



Camp Rilea's diverse geographies offer training along the Oregon coastline (top), and provide habitat for the threatened Oregon silverspot butterfly (bottom).

## KEY PARTNERS

- North Coast Land Conservancy
- The Nature Conservancy
- U.S. Fish and Wildlife Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**124**
- » Transactions conducted:  
**2**
- » Total funds expended:  
**\$2.1 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
Oregon State Military Department  
(503) 584-3885



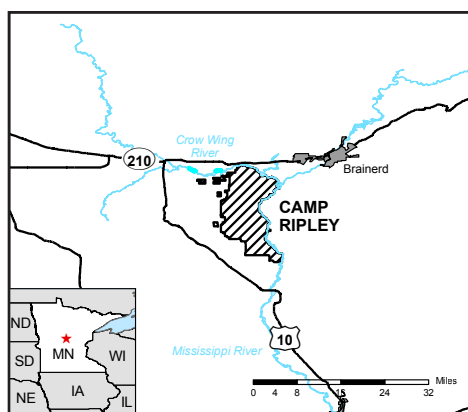


U.S. ARMY :

# CAMP RIPLEY : MINNESOTA



**T**he primary U.S. winter training site for the National Guard, Camp Ripley is an important Army National Guard post that supports ground vehicle maneuver training and live-fire artillery and bombing training, ranging from small arms to large caliber weaponry. Camp Ripley also hosts training exercises of foreign units on a regular basis as well as for active duty components and civilian agencies. Located along the Crow Wing and Mississippi Rivers, the surrounding riverfront parcels are very desirable for residential development, which could cause complaints from training activities.



To prevent conflicts with residential development from the noise of its ranges, artillery, maneuver exercises, and airfields, Camp Ripley came together with various partners in the Prairies to Pines Partnership. Drawing on REPI, the partnership is creating buffers on private agricultural land and lands near the Little Nokasippi Wildlife Management Area, securing the installation's continued

ability to train soldiers on its ranges.

In recognition of the project's accomplishments, Camp Ripley with Morrison, Cass, and Crow Wing counties received Minnesota's 2009 County Conservation award. In addition to protecting the military mission, REPI is helping to keep farmers working their lands, providing the public with recreational opportunities, and protecting a refuge for large game.

## BENEFIT SUMMARY

### COMMUNITY

- Protects working lands and local character that benefit the economy
- Supports existing regional planning efforts
- Protects water supply and improves water quality

### MILITARY

- Protects live-fire artillery, ground vehicle maneuver, and helicopter training that produces significant amounts of noise
- Protects night flying capability, which requires minimal levels of light pollution
- Prevents the use of less-realistic workarounds



The Crow Wing River (bottom) has been a target for developers, which could interfere with the ability to conduct ground training (top).

## KEY PARTNERS

- Cass County
- Cass Soil and Water Conservation District
- Crow Wing County
- Crow Wing Soil and Water Conservation District
- Ducks Unlimited
- Lessard-Sams Outdoor Heritage Council
- Minnesota Board of Water and Soil Resources
- Minnesota Deer Hunters Association
- Minnesota Department of Natural Resources
- Minnesota Land Trust
- Morrison County
- Morrison Soil and Water Conservation District
- National Wild Turkey Federation
- The Nature Conservancy
- Parks and Trails Council
- The Conservation Fund
- The Trust for Public Land
- U.S. Department of Agriculture-Natural Resources Conservation Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**40,811**
- » Transactions conducted:  
**219**
- » Total funds expended:  
**\$112.1 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(320) 616-3122

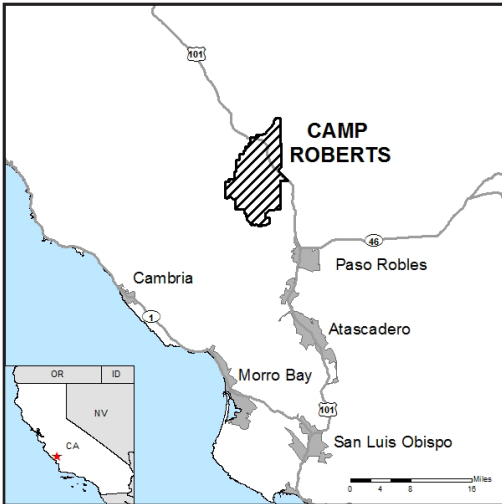


U.S. ARMY :

# CAMP ROBERTS : CALIFORNIA



**C**amp Roberts, located in central California along both sides of the Salinas River in Monterey and San Luis Obispo counties, is the primary training site of the California Army National Guard. The camp also hosts Army Reserve and Marine Corps Reserve for mobilization, demobilization, and pre-mobilization activities. Camp Roberts' maneuver areas and significant number of



live-fire and simulated ranges make it a very flexible training site for infantry, armor, and artillery units.

Camp Roberts is surrounded by open grazing lands and other agricultural lands, including vineyards, with only some nearby rural development. However, with Highway 101 cutting through the area, the potential to develop these lands is high. Development of the ranch parcels would impact

air operations, drop zones during the day and night, as well as artillery and range operations due to potential noise complaints.

To keep these lands for agricultural use and to protect the post's readiness mission, a small local land trust, the Ag Land Trust, is working with Camp Roberts to acquire easements to prevent residential development near the camp boundary. The protected land will provide open space benefits and connect to the Big Sandy Wildlife Area, providing safe transportation corridors for species to access nearby habitat and open lands. Keeping the land compatible with the military mission also allows Camp Roberts to maintain its unrestricted training environment.

## BENEFIT SUMMARY

### COMMUNITY

- Brings together new partners to coordinate with existing regional planning efforts, including a Joint Land Use Study
- Preserves habitat for threatened species
- Protects water resources

### MILITARY

- Protects live-fire, maneuver, helicopter, and night flying training that produces significant amounts of noise or requires minimal light pollution
- Prevents workarounds that would have otherwise limited training capacity
- Provides for future mission growth and multiple Service missions



Camp Roberts offers flexible training sites for live-fire exercises (top), and preserves open grazing lands and other agricultural lands that surround the camp (bottom).

## KEY PARTNERS

- Ag Land Trust
- California Department of Fish and Wildlife
- Monterey County
- San Luis Obispo County

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**4,442**
- » Transactions conducted:  
**9**
- » Total funds expended:  
**\$19.0 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(805) 238-8308



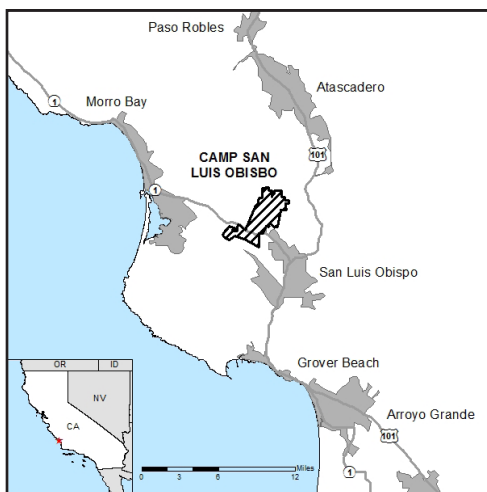
U.S. ARMY :

# CAMP SAN LUIS OBISPO : CALIFORNIA



**C**amp San Luis Obispo is one of the largest and most versatile state-owned training areas in California. The post's primary mission is to provide a full spectrum of support for live, virtual, and constructive training of Army National Guard and Reserve Units. The post also supports field training facilities for a wide range of federal, state, and community organizations. The land surrounding Camp San Luis Obispo is mostly public and ranch lands, but some of these properties have been threatened with development for high-end, estate-style, residential housing.

Through REPI, the camp is working with the Land Conservancy of San Luis



Obispo, who is establishing conservation easements on adjacent properties that buffer the post from the city of San Luis Obispo to the southeast. Preventing residential development allows the camp to use its airspace and perform other training exercises that could lead to potential complaints about noise or dust.

Importantly, this REPI project also preserves off-post habitat for threatened and endangered species,

which reduces the threat of Camp San Luis Obispo being designated critical habitat under the Endangered Species Act. Such a designation would affect the entire installation, and severely impact the flexibility of using training lands. In addition to benefitting species such as the California red-legged frog and Southern steelhead trout, protecting nearby ranches also helps protect the Chorro Reservoir and water resources that are important for the installation. This project is part of local and regional coordinated planning efforts to support the military, agriculture, and the environment.

## BENEFIT SUMMARY

### COMMUNITY

- Supports existing regional planning efforts
- Protects water resources
- Maintains local character

### MILITARY

- Protects live-fire and maneuver training
- Protects training capabilities that generate significant amounts of noise



A historical aerial view of Camp San Luis Obispo from 1984 (top). Today, the post provides important habitat for the threatened California red-legged frog (bottom).

## KEY PARTNERS

- American Farmland Trust
- California Department of Fish and Wildlife
- California Department of Transportation
- City of San Luis Obispo
- Land Conservancy of San Luis Obispo
- Morro Bay National Estuary Program
- Packard Foundation
- San Luis Obispo County
- Sierra Club Santa Lucia Chapter
- U.S. Department of Agriculture-Natural Resources Conservation Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**3,099**
- » Transactions conducted:  
**10**
- » Total funds expended:  
**\$8.6 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
California National Guard  
(916) 854-3304



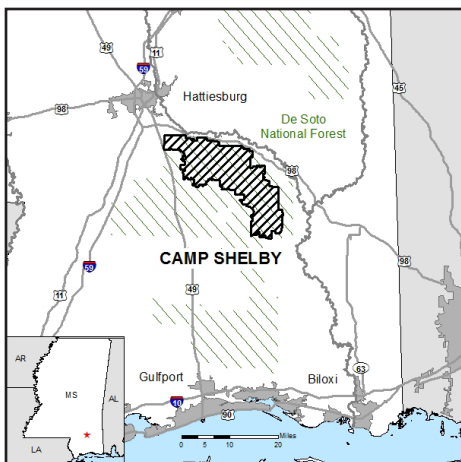


U.S. ARMY :

# CAMP SHELBY : MISSISSIPPI



**C**amp Shelby is the largest state-owned and operated field training site in the U.S. at 134,000 acres and is currently used as a mobilization center for the Reserve Component. The camp is located largely in the DeSoto National Forest, while the U.S. Forest Service manages a special use permit for military activities. Camp Shelby hosts the Joint Forces Training Center, Navy Seabee construction battalion field training exercises, and training for other Services.



Located near two highways, the city of Hattiesburg's primary industrial park, and a municipal airport, Camp Shelby is threatened by development that would impact its readiness mission. To protect an assault landing airstrip, tank range maneuver sites, and artillery and other weapons firing ranges, the post has a unique partnership with The Nature Conservancy, the U.S. Forest Service, and the Mississippi State University

Foundation. Protecting surrounding land addresses potential conflicts with airspace, safety, noise and smoke, while supporting an important forest ecosystem.

Under the partnership to protect Camp Shelby, the U.S. Forest Service will own and manage the acquired properties as part of the DeSoto National Forest, one of the largest complexes of longleaf pine in the southeast. This habitat also supports numerous notable and rare species, such as the gopher tortoise and other flora and fauna. Together, the partnership is working as part of a broader effort across the region to preserve this imperiled ecosystem and benefit military readiness.

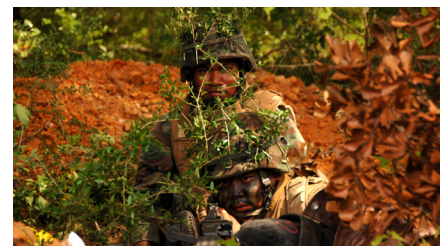
## BENEFIT SUMMARY

### COMMUNITY

- Protects working lands and maintains local character
- Supports coordinated planning efforts, including implementation of a Joint Land Use Study
- Protects water resources

### MILITARY

- Protects live-fire and maneuver training that produces significant amounts of noise
- Prevents workarounds that would have otherwise limited training capacity



Camp Shelby offers a variety of training, including practice medical evacuations (top) and defensive operations in a tactical environment (bottom).

## KEY PARTNERS

- Compatible Lands Foundation
- EKO Asset Management Partners
- Mississippi Department of Wildlife, Fisheries, and Parks
- Mississippi State University Foundation
- National Wild Turkey Federation
- Northern Arizona University
- The Nature Conservancy
- U.S. Department of Agriculture-Natural Resources Conservation Service
- U.S. Forest Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**4,679**
- » Transactions conducted:  
**18**
- » Total funds expended:  
**\$12.8 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(601) 558-2827



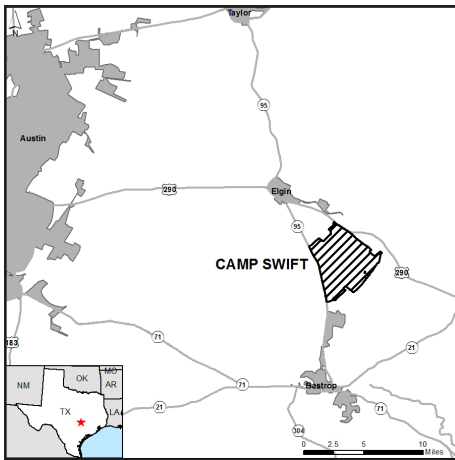


U.S. ARMY :

# CAMP SWIFT : TEXAS



**C**amp Swift is the primary site for pre-mobilization training for the Texas Army National Guard, which has the largest National Guard contingent in the U.S. Approximately 90 percent of the Texas Military Forces, including Air National Guard and Texas State Guard, train here before deployment, as do other military branches, federal agencies, and state and local forces. Supporting a broad spectrum of training activities for such large contingents



requires more ranges and maneuver lands than is actually available on post. With a shortfall of 107,000 acres of training land, it is imperative that Camp Swift lose no additional training capability to sustain troop readiness.

To achieve this goal, Camp Swift is working with local, state, and national partners to protect compatible use buffers and preserve working farmland and forests in the surrounding landscape.

Maintaining these lands reduces the risk of complaints about noise, dust, and smoke from live-fire ranges, demolition activities, and drop zones, while limiting light pollution that impacts realistic dark-sky training. Conservation easements acquired by Camp Swift's partners also reward landowners financially to help preserve the economy and the region's farming and ranching heritage.

Camp Swift is also working with the cities of Bastrop, Elgin, and Caldwell and Bastrop County on a Joint Land Use Study to inform local growth planning and installation noise and natural resources management, bolstering their buffer projects. All told these efforts will help keep Camp Swift's forces ready and trained to support the nation at home and abroad.

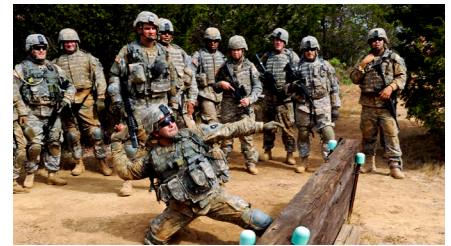
## BENEFIT SUMMARY

### COMMUNITY

- Protects working farm and ranch lands and maintains local character
- Supports ongoing regional planning efforts
- Brings together new partners

### MILITARY

- Preserves live-fire and maneuver training that produces significant noise and dust
- Protects nighttime training activities that require minimal light pollution
- Prevents additional training restrictions and unrealistic workarounds



Working lands and buffers protect pre-mobilization training from noise complaints so soldiers can refine basic skills like laying down suppressive fire (top) and launching grenades (bottom).

## KEY PARTNERS

- American Forage and Grassland Council
- Bastrop County
- City of Bastrop
- City of Elgin
- The Compatible Lands Foundation
- Pines and Prairies Land Trust
- Texas Commission for Military Preparedness
- Texas Department of Transportation
- U.S. Fish and Wildlife Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**572**
- » Transactions conducted:  
**5**
- » Total funds expended:  
**\$3.2 million**
- » Project status:  
**In Progress**

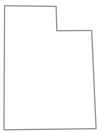
## CONTACT

Public Affairs Office  
(512) 782-5620

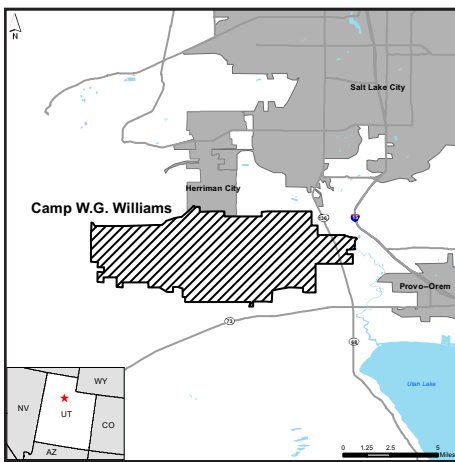


U.S. ARMY :

# CAMP WILLIAMS : UTAH



**C**onsists of 23,850 acres of combat training areas with desert and mountain terrain similar to the environments encountered in current overseas operating areas. This characteristic serves not only ground forces, including artillery and armored units that can use the heavy maneuver training ranges, but also helicopter units visiting from several states. With the ability to support qualification and training for every type of individual weapon in the Army inventory, Camp Williams provides a high quality training environment for Guard, Reserve, and Active Duty soldiers.



Camp Williams is located in one of the fastest growing areas in Utah and faces a serious threat of increased incompatible development. In addition, weather conditions, vegetation, and other characteristics of its location pose a risk of high intensity wildfires sparked by live weaponry or lightning. In fact, Camp Williams averages 27 days of no training each year due to high fire hazard risks.

Despite “fire break” roads and other efforts to prevent spreading wildfires, past incidences have led to fires sweeping into neighboring communities, damaging homes, and forcing the evacuation of residents. Compounding this problem is urban sprawl now extending to the installation fence line.

Camp Williams is working with local, state, and federal partners to protect agricultural and rural residential lands in order to reduce the risk of wildfire halting required training and impacting local communities. Protecting these lands will allow the partnership to build additional fire breaks and preserve local water resources. Furthermore, some of these buffer parcels present an opportunity to establish new wildlife habitat and recreational trails, providing additional benefits to the community.

## BENEFIT SUMMARY

### COMMUNITY

- Supports recreational trails, habitat improvement, and wildlife corridors.
- Protects working agricultural land
- Protects and improves local community safety

### MILITARY

- Protects live-fire and maneuver capabilities
- Promotes continued operational safety
- Supports multiple Service missions



Camp William’s geography and habitats provide a realistic training environment for ground troops and aviation training (top), but it is also at risk of intense wildfires that halt mission activities and threaten community safety (bottom).

## KEY PARTNERS

- Herriman City
- Herriman Trails Committee
- West Traverse Sentinel Landscape
- Salt Lake County Parks and Recreation
- State of Utah
- The Conservation Fund
- U.S. Department of Agriculture-Natural Resources Conservation Service
- Utah Division of Natural Resources

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**1,654**
- » Transactions conducted:  
**12**
- » Total funds expended:  
**\$31.2 million**
- » Project status:  
**In Progress**

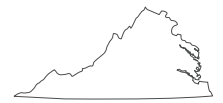
## CONTACT

Utah National Guard Public Affairs Office  
(801) 716-9063

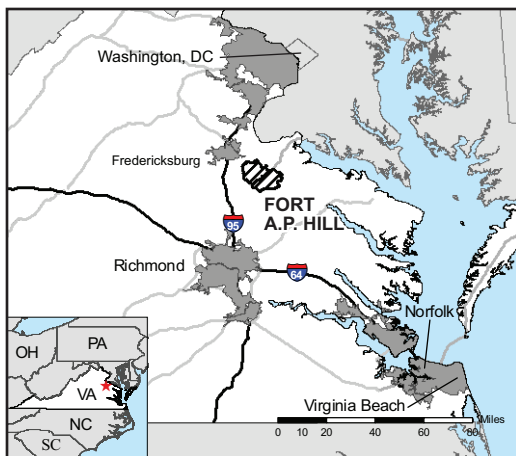


U.S. ARMY :

# FORT A.P. HILL : VIRGINIA



**F**ort A.P. Hill's 76,000 acres provide all-purpose, year-round realistic joint and combined arms training, logistics, and support for active and reserve-component units, along with federal and state agencies. As a regional training center in the Washington, D.C. National Capital Region – approximately midway between Richmond and Washington, D.C. – the post specializes in training, maneuver, and live-fire operations. With 31 separate training areas on 44,000 acres of training lands, the maneuver areas provide ample training space.



Through buffer partnering efforts, Fort A.P. Hill is protecting its enhanced mission from incompatible development and noise complaint issues in quickly developing rural Virginia. In particular, conservation nonprofits and the Commonwealth of Virginia have partnered with the installation to preserve significant key buffer land near the installation boundary

and high-noise areas. The Fort A.P. Hill partnership is part of a larger Rappahannock River Valley Refuge Partnership that conserves open space, key natural habitats, working farms and forest lands, cultural resources and wetlands.

An innovative use of REPI included leveraging funds identified for mitigating effects on historic properties on-post for the purchase of an easement off-post that contained a national Historic Landmark Native American village site. The Advisory Council on Historic Preservation endorsed the Fort A.P. Hill partnership as an innovative way to combine historic preservation, land conservation, and military readiness support.

## BENEFIT SUMMARY

### COMMUNITY

- Supports existing regional planning efforts, including “green corridor” habitat connections for wildlife
- Provides public recreational opportunities
- Provides benefits to area water supply through wetlands preservation

### MILITARY

- Preserves on-installation live-fire training capacity through the buffering of high-noise areas
- Prevents workarounds that would have otherwise limited training capacity
- Protects capacity for future growth in multi-Service training requirements, including helicopter capability



Marine Humvees conducting training exercises (top). Camden Farm, preserved through REPI (bottom).

## KEY PARTNERS

- The Conservation Fund
- The Nature Conservancy
- The Trust for Public Land
- U.S. Fish and Wildlife Service
- Virginia Outdoors Foundation
- Virginia Department of Historic Resources

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**13,151**
- » Transactions conducted:  
**23**
- » Total funds expended:  
**\$43.1 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(804) 633-8324



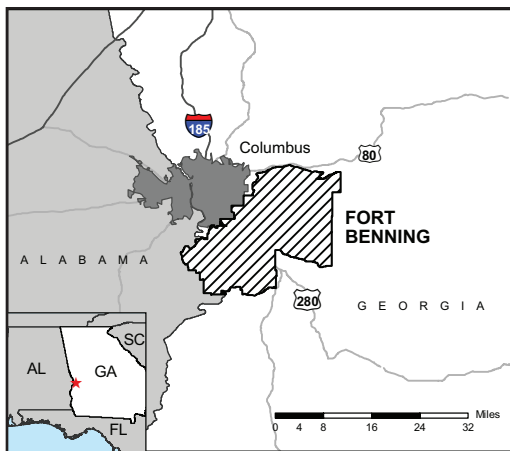


U.S. ARMY :

# FORT BENNING : GEORGIA



**F**ort Benning is the home of the Maneuver School of Excellence, which combines the Army's premier Infantry Training Center and the Armor School in one location. With five types of infantry—mechanized, light, airborne, air assault, and ranger—the post is one of the country's most important installations. However, the growth of nearby towns and the increasing population size of the post have led to incompatible development and loss of critical



wildlife habitat.

Training exercises on Fort Benning's ranges and maneuver corridors face numerous obstacles, as threatened, endangered, and other rare species (red-cockaded woodpecker and gopher tortoise) habitat, streams, and wetland sites restrict construction and training flexibility. However, the post is working with a variety of partners,

who are acquiring titles to parcels that will prevent incompatible development and protect contiguous stretches of longleaf pine benefiting the red-cockaded woodpecker, gopher tortoise, and the ecosystems that support them.

Fort Benning's partners will be restoring habitat while simultaneously marketing to conservation buyers who may be interested in purchasing the land for recreational uses. This project also helps anchor the north end of a broad regional longleaf pine habitat corridor spanning Georgia, Florida, and Alabama.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves working lands
- Supports regional planning objectives, including a Joint Land Use Study
- Protects habitat for threatened and endangered species
- Provides recreational opportunities
- Protects water supply

### MILITARY

- Preserves live-fire, maneuver, helicopter, and night flying training that produces significant noise or requires minimal light pollution
- Prevents workarounds that would reduce training realism
- Allows for future mission growth and multi-Service missions



Longleaf pine at Fort Benning provides habitat for threatened and endangered species (top). Soldiers undergoing basic training (bottom).

## KEY PARTNERS

- Alabama Forest Resource Center
- Alabama Land Trust
- Chattahoochee Fall Line Conservation Partnership
- Chattahoochee Valley Land Trust
- Columbus Consolidated Government
- Georgia Department of Natural Resources
- Georgia Land Trust
- Knobloch Foundation
- State of Georgia
- State of Alabama
- The Conservation Fund
- The Nature Conservancy
- The Trust for Public Land
- U.S. Fish and Wildlife Service
- U.S. Forest Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**34,410**
- » Transactions conducted:  
**41**
- » Total funds expended:  
**\$95.3 million**
- » Project status:  
**In Progress**

## CONTACT

Community Relations  
(706) 545-8970



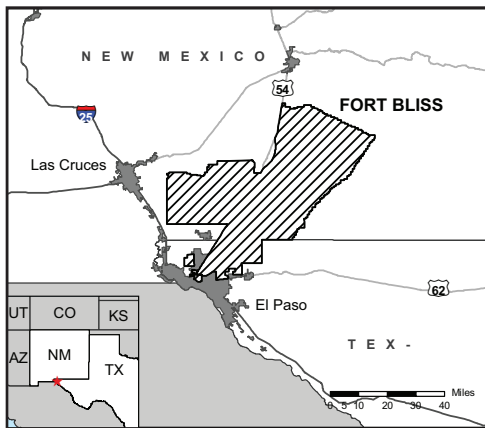


U.S. ARMY :

# FORT BLISS : TEXAS



**F**ort Bliss is the Army's largest maneuver installation for heavy armor units of tanks and other tracked combat vehicles, while also supporting rapid deployment. Mission growth is placing increased demand on training facilities. The installation is constructing new ranges at a cost of over \$200 million that will likely be utilized at least 242 days per year. Half of the operations will likely be at night, so preventing light pollution from expanding growth is critical for training readiness and protecting this significant investment.



To help address this issue, Fort Bliss purchased land use restrictions on thousands of acres from the New Mexico State Land Office, which currently leases out the land for livestock grazing. The state land office could have sold the property to developers to accommodate the rapid growth of cities like El Paso, Texas, and Las Cruces, New Mexico. Instead,

they are meeting their fiduciary duty while also protecting a large source of the local economy. The Army also has the right of first refusal to purchase the land, while the state will continue to manage the land.

Additionally, the post is working with the Bureau of Land Management (BLM) on a deal to return withdrawn lands in order to keep other BLM land buffering Fort Bliss from being sold and developed. This project prevents incompatible residential development, maintains the rural character of the community, and benefits the state of New Mexico while also protecting the taxpayer investment in Fort Bliss's mission.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves working lands and local character
- Supports existing regional planning objectives
- Provides recreational opportunities
- Protects water supplies
- Provides economic benefit

### MILITARY

- Preserves live-fire and maneuver on-installation training capacity through the buffering of high-noise areas
- Prevents lost training days and workarounds that would reduce training realism or effectiveness
- Provides for future mission growth



Light pollution and incompatible development can threaten training with vehicles like the Kiowa (top) and Humvee (bottom) for troops that will be deployed to the battlefield.

## KEY PARTNERS

- Compatible Lands Foundation
- New Mexico State Land Office
- Texas Parks and Wildlife Department

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**7,441**
- » Transactions conducted:  
**3**
- » Total funds expended:  
**\$2.8 million**
- » Project status:  
**Completed**

## CONTACT

Public Affairs Office  
(915) 568-4505

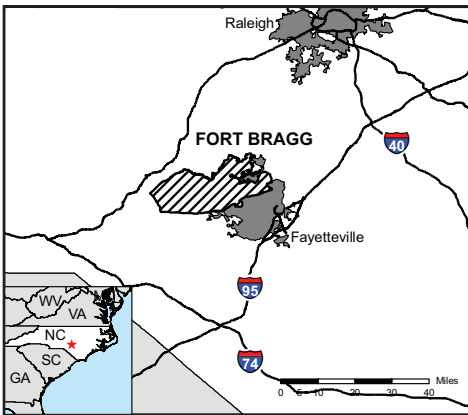


U.S. ARMY :

# FORT BRAGG : NORTH CAROLINA



**F**ort Bragg is one of the Army's premier installations and among the most actively used military complexes in the world, home to the 82nd Airborne and U.S. Army Special Operations Forces. Fort Bragg is also home to rare, mature longleaf pine habitat for the federally endangered red-cockaded woodpecker (RCW). Meanwhile, the 2005 Base Realignment and Closure realigned up to 40,000 troops and their families—along with the resulting economic growth—to



the post, increasing the challenges of managing growth in the North Carolina Sandhills area.

When habitat-destructive residential development occurred years ago immediately adjacent to Fort Bragg's training areas, particularly along the southern installation border, the Army was compelled to set aside training land exclusively to protect dwindling RCW

habitat. Fort Bragg has since helped pioneer conservation buffer partnering by creating the North Carolina Sandhills Conservation Partnership.

Fort Bragg's efforts with The Nature Conservancy and other stakeholders helped achieve the recovery target for the sandhills RCW population segment, the first such documented recovery of a RCW sub-population. Restrictions related to RCW placed on training at Fort Bragg are being virtually eliminated as the population recovers. The preserved habitat has provided other additional benefits including expanding Cumberland County's only state park. Fort Bragg continues to build upon its partnership efforts to bolster protection from incompatible development in the rapidly growing areas adjacent to the installation. Ongoing projects target lands that benefit partner organizations, protect additional RCW habitat, and focus on limiting development incompatible to critical military training at the installation already being impacted by growth in Moore and Hoke counties.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves working lands for forestry, benefiting the local economy
- Provides habitat for endangered species
- Provides recreational opportunities
- Helps preserve water quality
- Augments regional planning objectives

### MILITARY

- Preserves live-fire and maneuver training capacity
- Prevents workarounds that would reduce training realism or effectiveness



Development adjacent to the installation perimeter (top). Landowner Julian Johnson values the protection of longleaf pine on his property (bottom).

## KEY PARTNERS

- National Fish and Wildlife Foundation
- North Carolina Department of Agriculture
- North Carolina Division of Parks and Recreation
- North Carolina Sandhills Conservation Partnership
- North Carolina Wildlife Resources Commission
- Sandhills Ecological Institute
- The Nature Conservancy
- U.S. Department of Agriculture - Natural Resources Conservation Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**21,747**
- » Transactions conducted:  
**79**
- » Total funds expended:  
**\$74.9 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(910) 643-2741

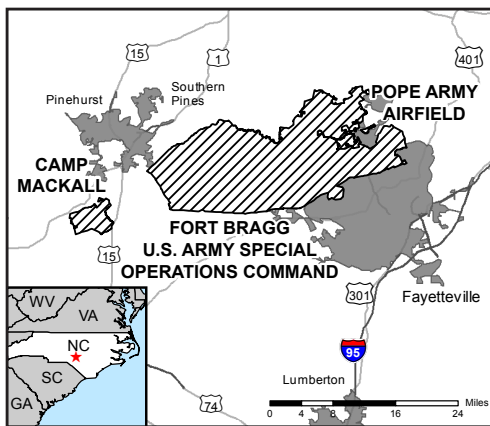


U.S. ARMY :

# FORT BRAGG USASOC : NORTH CAROLINA



**A**s the home of the Joint and U.S. Army Special Operations Commands (USASOC), Fort Bragg supports essential training for some of the nation's most elite warfighters. Fort Bragg, Pope Army Airfield, and Camp Mackall, located 25 miles southwest of Fort Bragg, and their surrounding environs, provide rural terrain where Special Forces can train for their highly classified tactics and activities. It is here that soldiers conduct Survival, Evasion, Resistance and Escape (SERE) training.



Any development of the area surrounding Fort Bragg and Camp Mackall would threaten SERE field training exercises, which require students to forage on the land and evade the general public. The Army performs its exercises on these lands under agreement with landowners. To protect the required isolation and vegetative cover, the Army is working

with the Sandhills Area Land Trust to keep agricultural and forested lands undeveloped throughout the training area.

In addition to enabling Special Forces to learn and train in survival field craft, evasion techniques, resistance to interrogation, and escape, this REPI project is a priority for local and state conservationists. The area includes riparian buffers and mature basic mesic forest, a rare forest type and habitat for a rare species and recreational opportunities. Keeping this historically rural area in agricultural production also contributes to the area's economy, providing jobs and food for the region, including soldiers and personnel at Fort Bragg and Camp Mackall.

## BENEFIT SUMMARY

### COMMUNITY

- Protects working lands and local character that benefit the economy
- Preserves habitat for rare and notable species
- Provides recreational opportunities

### MILITARY

- Protects the ability to perform sensitive special operations training
- Protects operational security



A soldier covers a helicopter's landing during a training exercise (top). Fort Bragg USASOC holds an annual sniper competition where soldiers are tested in realistic combat environments (bottom).

## KEY PARTNERS

- North Carolina Clean Water Management Trust Fund
- North Carolina Department of Agriculture
- North Carolina Department of Environment and Natural Resources
- North Carolina Division of Parks and Recreation
- North Carolina Sandhills Conservation Partnership
- Sandhills Area Land Trust
- The Conservation Fund
- The Nature Conservancy
- U.S. Fish and Wildlife Service
- U.S. Department of Agriculture-Natural Resources Conservation Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**2,913**
- » Transactions conducted:  
**13**
- » Total funds expended:  
**\$12.3 million**
- » Project status:  
**In Progress**

## CONTACT

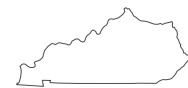
Public Affairs Office  
(910) 643-2741



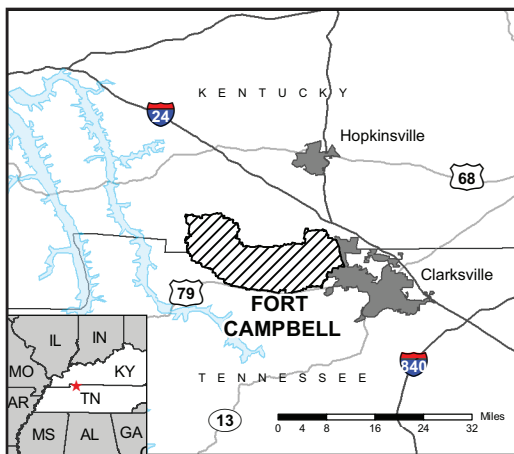


U.S. ARMY :

# FORT CAMPBELL : KENTUCKY



**F**ort Campbell is a major Army ground vehicle maneuver installation and Power Projection Platform able to support mobilization and deployment of high-priority units, their equipment, and supplies. The installation supports 30,000 soldiers, including the 101st Airborne Division and the only Air Assault Division in the world. Because the post is located amid abundant rural lands along the Kentucky-Tennessee border and a large national recreation area, it is well suited for supporting aviation operations.



To protect its mission from nearby growing towns in both states, the post and its partners have targeted the conservation of working farmland, some of which can be converted back to unique grasslands called “the Barrens.” The Fort Campbell project has worked to find a variety of funding sources—including landowner donations, U.S. Department of

Agriculture’s Natural Resources Conservation Service grants, and private land trust and state funds to protect its mission, local agriculture, and important habitat. The post also integrates zoning support from local jurisdictions in its four-county region into its REPI planning processes.

These efforts are preventing incompatible development from encroaching on night-vision and aviation training missions at critical assets like Sabre Army Heliport and Campbell Army Airfield. The conservation easements help sustain working farms and prime agricultural lands while positively contributing to Fort Campbell’s mission.

## BENEFIT SUMMARY

### COMMUNITY

- Protects working lands and local character that benefit the economy
- Supports existing regional planning efforts, including a Joint Use Land Study to better coordinate planning efforts among various government entities

### MILITARY

- Protects live-fire artillery, ground vehicle maneuver, helicopter, and night flying training that produces significant amounts of noise or requires minimal light pollution
- Prevents the loss of training days and the use of less-realistic workarounds
- Provides for future mission growth and multi-Service efforts



Farmland preserved near Fort Campbell (bottom) helps aviation training and operations capability (top).

## KEY PARTNERS

- Compatible Lands Foundation
- Kentucky Department of Agriculture
- Land Trust for Tennessee
- U.S. Department of Agriculture–Natural Resources Conservation Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**13,826**
- » Transactions conducted:  
**60**
- » Total funds expended:  
**\$45.4 million**
- » Project status:  
**In Progress**

## CONTACT

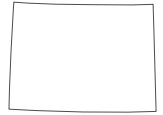
Public Affairs Office  
(270) 798-3025



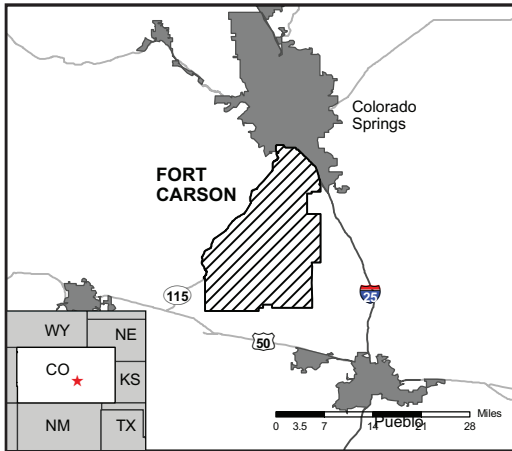


U.S. ARMY :

# FORT CARSON : COLORADO



**F**ort Carson is a key Army installation that supports a range of training and deploy units abroad by air and rail. The post's 137,000 acres are suited to training soldiers with large-caliber weapons on landscape and terrain comparable to current conflict areas. These training lands allow units to simultaneously prepare for the full spectrum of land-based operations, combining offense, defense, stability, and civil support operations. The post's ability to support this range of training will become even more important with the stationing of new troops.



To protect Fort Carson's mission, a large buffer is being completed to guard against extreme residential growth pressures from Colorado Springs to the north and Pueblo to the southeast. The post's close relationship with local ranchers and The Nature Conservancy has enabled it to save valuable working ranch lands. Of note already, a single, large-scale rancher has been

willing and eager to protect his land to help aid Fort Carson in meeting its training land protection and sustainability goals.

This partnership effort is providing multiple valuable benefits to Fort Carson and a variety of stakeholders. Conservation easements have eliminated potential encroachment conflicts from development that would impact the installation's southern and eastern training ranges and impact areas. Meanwhile, the buffer zone protects critical wildlife and plant species, and it allows local ranchers to continue their traditional way of life.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves working ranch lands and local character
- Supports existing regional planning objectives

### MILITARY

- Preserves live-fire, helicopter, and maneuver on-installation training capacity through the buffering of high-noise areas
- Improves operational safety



Ranch lands near Fort Carson protect training by shielding noise from the CH-47 heavy-lift helicopter (top) and M1 Abrams tank (bottom).

## KEY PARTNERS

- Colorado Department of Transportation
- Colorado Division of Wildlife
- El Paso County
- Great Outdoors Colorado
- The Nature Conservancy
- U.S. Fish and Wildlife Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**25,661**
- » Transactions conducted:  
**18**
- » Total funds expended:  
**\$41.5 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(719) 526-1269

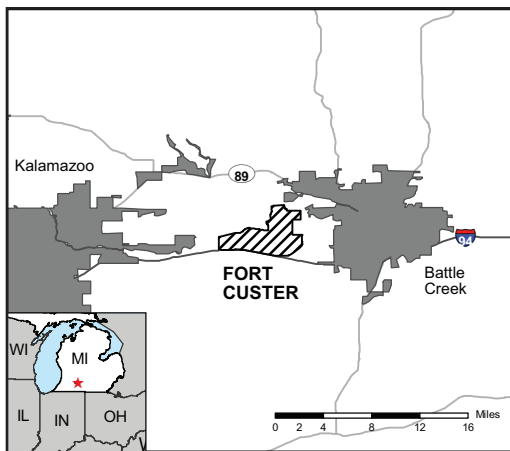


U.S. ARMY :

# FORT CUSTER : MICHIGAN



**O**ne of the more heavily used Midwest training centers for the National Guard, Fort Custer is important for its company-level small arms training, as well as maintenance training. Its location in southwestern Michigan makes it easily accessible for units from the neighboring states of Ohio, Indiana, and Illinois. Since the military training mission is a critical lifeline for this area's fiscal solvency, providing a means to protect training also benefits the area economy.



Nearby Hart's Lake, one of the last remaining undeveloped lake properties in Michigan, had been promoted by the city for 30 years as a potential site for development. These plans had reduced Fort Custer's ability to fully conduct live-fire training. To address this issue, Fort Custer creatively utilized REPI funding with a matching grant from the W. K. Kellogg Foundation (one

of the nation's largest foundations and based in nearby Battle Creek) to forever preserve this conservation area for public use and as a buffer for military training.

As a result, Fort Custer is now able to fully utilize a range that had previously been limited to 50 percent of its capacity because of neighbors' noise and safety concerns. With the Battle Creek Community Foundation and Calhoun Conservation District helping to manage the property, the public can enjoy a pristine natural haven for fishing, hiking, bird watching, non-motorized boating, and other passive recreational activities.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves working lands
- Provides recreational opportunities for area residents
- Protects water supplies

### MILITARY

- Preserves live-fire training capacity through the buffering of high-noise areas
- Prevents the loss of training days and workarounds that would reduce training realism or effectiveness
- Improves operational safety



Hart's Lake, protected by REPI, provides recreational opportunities (top). A Humvee during a field training exercise (bottom).

## KEY PARTNERS

- Calhoun Conservation District
- W. K. Kellogg Foundation

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**326**
- » Transactions conducted:  
**1**
- » Total funds expended:  
**\$2.1 million**
- » Project status:  
**Completed**

## CONTACT

Public Affairs Office  
(517) 481-8140

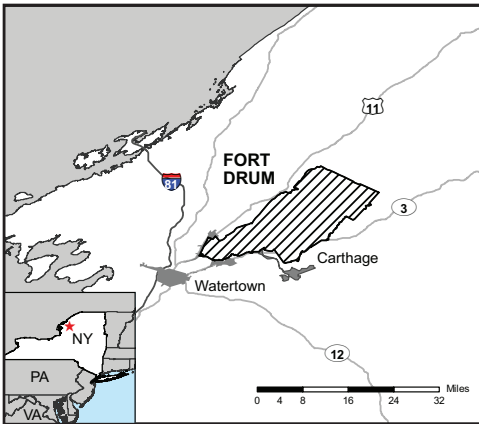


U.S. ARMY :

# FORT DRUM : NEW YORK



**F**ort Drum is home to the 10th Mountain Division and is the only installation in the Northeast from which the military can project its power by supporting the mobilization and deployment of high priority, active units. With the installation's mission expanding in the years ahead, nearby residential and commercial construction is increasing. Noise and smoke from live-fire weapons, as well as use of ordnance, tanks, and aircraft all present potential conflicts with this increasing development.



As its partners acquire conservation easements through REPI, Fort Drum is greatly reducing the need for workarounds necessary to minimize training impacts on the nearby population. Additionally, the post is actively pursuing wetlands mitigation sites in conjunction with preserving open space along its border. Partnering with Ducks Unlimited, the project will

help accomplish these multiple goals.

An important aspect of the efforts at Fort Drum includes preserving habitat for the endangered Indiana bat. Connecting remaining habitat off-post can ensure Fort Drum is not the primary remaining bat habitat, can provide regulatory relief, and also protects corridors for migratory birds. Meanwhile, wetlands mitigation off-post allows the base to offset streams impacted by on-post construction without setting aside valuable training lands. Preventing residential development sustains the resiliency of training lands that benefit all four military Services, a significant asset for our national defense.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves working lands and local character
- Provides habitat for endangered species
- Protects water supply

### MILITARY

- Preserves live-fire and maneuver training capacity through the buffering of high-noise areas
- Preserves night flying training capacity, which requires minimal light pollution
- Reduces the need for less-realistic workarounds



Soldiers at Fort Drum prepare for deployment to combat zones (top and bottom).

## KEY PARTNERS

- Agricultural Development Corporation
- Development Authority of the North Country
- Ducks Unlimited
- Jefferson County
- State of New York
- Tug Hill Tomorrow Land Trust

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**8,028**
- » Transactions conducted:  
**27**
- » Total funds expended:  
**\$12.8 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(315) 772-5461



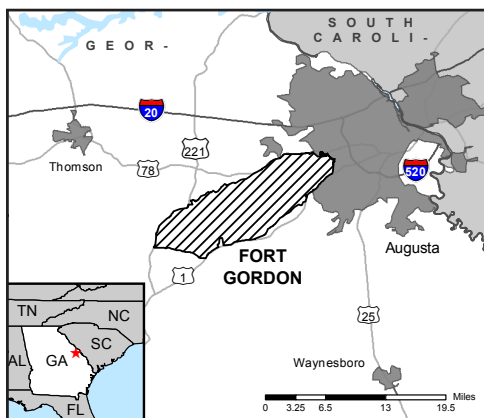


U.S. ARMY :

# FORT GORDON : GEORGIA



**F**ort Gordon, located in Augusta, Georgia, is the largest communications training facility in the Armed Forces and is the focal point for the development of tactical communications and information systems with the Signal Corps and Signals Intelligence. The post also has a new National Security Agency facility, which recently added new jobs—bringing with it development pressures to house a growing population. Additionally, Fort Gordon supports various light to heavy maneuver and live-fire training activities on its



training ranges.

Meanwhile, Fort Gordon is surrounded by highways inviting sprawl emanating from Augusta to continue closing in around the post. This leads to complaints about noise and vibrations from artillery and other live firing, as well as air quality issues from the smoke of training obscurants and prescribed burning of longleaf

pine habitat and underbrush. So Fort Gordon is working with its partners to protect the remaining large parcels of undeveloped forest land near its ranges in hopes of alleviating the risk of encroachment further impacting training capabilities.

An important aspect of this project is the opportunity to preserve and restore the longleaf pine ecosystem that supports species like the endangered red-cockaded woodpecker and the candidate species gopher tortoise. Preventing the gopher tortoise and others from becoming listed species will protect Fort Gordon's training mission from new restrictions. Another benefit is the protection of high priority water areas, helping to sustain aquatic biodiversity.

## BENEFIT SUMMARY

### COMMUNITY

- Supports regional planning efforts, including implementation of a Joint Land Use Study
- Preserves habitat for threatened, endangered, and at-risk species
- Protects water supply
- Protects working lands

### MILITARY

- Preserves live-fire, maneuver, and aviation training that produces significant noise
- Prevents workarounds that would reduce training realism
- Allows for mission growth



Medical personnel practice loading simulated casualties onto a HH-60M Blackhawk helicopter (top). Some training occurs near the longleaf pine ecosystem near Fort Gordon (bottom).

## KEY PARTNERS

- Central Savannah River Land Trust
- Georgia Department of Natural Resources
- The Nature Conservancy

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**114**
- » Transactions conducted:  
**1**
- » Total funds expended:  
**\$205.4 thousand**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(706) 791-7003

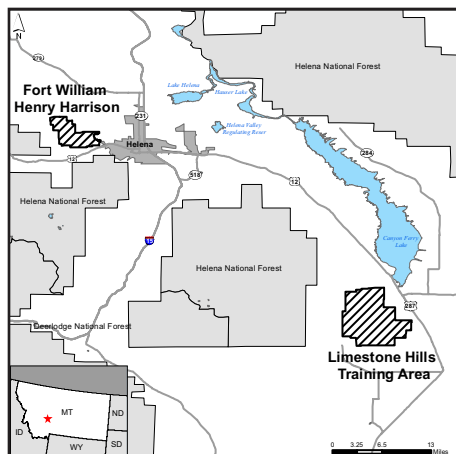


U.S. ARMY :

# FORT HARRISON AND LIMESTONE HILLS TRAINING AREA : MONTANA



**F**ort Harrison is a designated Maneuver Training Center-Light installation that provides training facilities and ranges for National Guard, Reserve, and active duty personnel from all four Services. Much of the post's infrastructure, including ranges and training areas, has been specifically designed to support individual and collective training for Special Forces units up to Battalion in size. This has resulted in special operations units becoming a mainstay among Fort Harrison users. Fort Harrison and the Limestone Hills Training Area, 41 miles southeast of the main post, support training for several types of helicopter flights and gunnery, maneuver, demolition, and live firing of weapons from small



arms to tanks.

Fort Harrison is located just three miles west of the capital city of Helena, and is under constant pressure of development moving closer to its fence line. Urban encroachment already causes conflicts and complaints from noise, vibrations, and dust from training activities. However, Fort Harrison's location also presents a conservation opportunity to its partners. The area west

and southwest of Fort Harrison is part of the Yellowstone-to-Yukon Initiative's Crown of the Continent ecosystem, the largest intact ecosystem in the U.S.

This pristine landscape is one of only two remaining areas within the Yellowstone-to-Yukon region where grizzly bears, wolverines, and other wide-ranging species can migrate between the U.S. and Canada. Conserving the rangelands and watershed around Fort Harrison and Limestone Hills serves to protect the Crown of the Continent from becoming an island ecosystem isolated from other conserved regions while helping to sustain national defense capabilities.

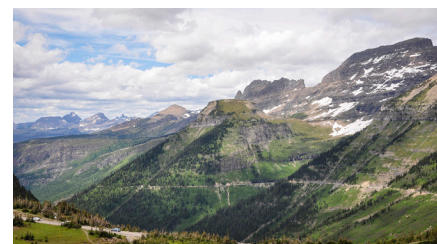
## BENEFIT SUMMARY

### COMMUNITY

- Preserves the largest intact ecosystem in the United States
- Supports existing regional planning efforts
- Preserves working lands and local character

### MILITARY

- Preserves maneuver and live-fire training capabilities through the buffering of high-noise areas.
- Increases operational safety
- Prevents workarounds that would otherwise limit training capacity



Marines provide security as their teams beach their Zodiac reconnaissance crafts during a patrol operation at Limestone Hills (top). REPI-protected lands will add to a local network of parks and trails that links to Glacier National Park and the rest of the Crown of the Continent ecosystem located along Fort Harrison's western boundary (bottom).

## KEY PARTNERS

- Lewis and Clark County
- Montana Department of Fish, Wildlife, Parks
- Montana Fish and Wildlife Conservation Trust
- Prickly Pear Land Trust
- The Conservation Fund
- U.S. Department of Agriculture-Natural Resources Conservation Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**630**
- » Transactions conducted:  
**3**
- » Total funds expended:  
**\$4.0 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(406) 324-3009

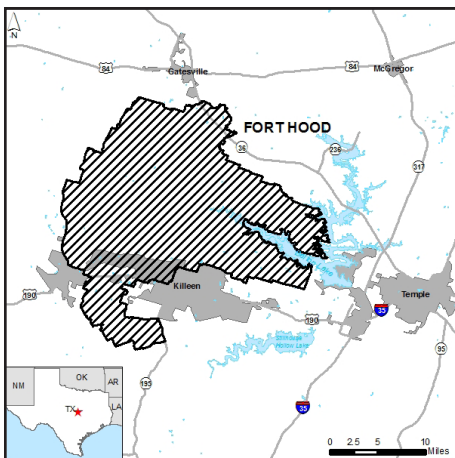


U.S. ARMY :

# FORT HOOD : TEXAS



**F**ort Hood is the largest active duty armored post in the entire Armed Services, encompassing 218,823 acres in central Texas. Home to nearly 41,000 soldiers, the post supports the most intensive and varied training programs of any installation in the contiguous United States. Headquarters III Corps, 1st Cavalry Division, 1st Army Division West, and many other units and organizations call Fort Hood home. Training can include individual weapons qualification through extensive battalion/brigade task force and joint operations, mechanized maneuver exercises, and



air operations. The size and capabilities of Fort Hood's land and ranges support the full spectrum of training requirements.

The heavy and constant training load at Fort Hood creates a number of encroachment concerns with the city of Killeen, Copperas Cove, Gatesville, and other adjacent communities. Incompatible growth and development can lead to restrictions on training that causes noise,

dust or smoke, uses pyrotechnics, or requires a dark-night sky. To alleviate these concerns, Fort Hood is partnering with the Compatible Lands Foundation to protect undeveloped and compatibly used lands, particularly near heavily used maneuver lanes and live-fire ranges.

The Fort Hood project aims to protect the local agricultural heritage and maintain the military mission so important to the local economy. By preserving farms, ranches, and important natural resources in the area, while supporting recreational opportunities, the project is helping avoid potential conflicts with training activities and protecting military readiness.

## BENEFIT SUMMARY

### COMMUNITY

- Preserved working farm and ranch lands
- Provides economic benefits and protects local character

### MILITARY

- Preserves live-fire and maneuver training capacity through the buffering of high-noise areas
- Prevents workarounds that would reduce training realism or effectiveness
- Protects night training capabilities that require minimal levels of light pollution



Fort Hood's training lands support intensive and varied training requirements, such as a convoy training exercise containing a road block scenario (top). Buffers help protect against noise conflicts from live-fire exercises with the M1A2 Abrams tank (bottom).

## KEY PARTNERS

- American Farmland Trust
- City of Copperas Cove
- Compatible Lands Foundation
- U.S. Department of Agriculture-Natural Resources Conservation Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**3,581**
- » Transactions conducted:  
**16**
- » Total funds expended:  
**\$13.3 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(254) 287-0105



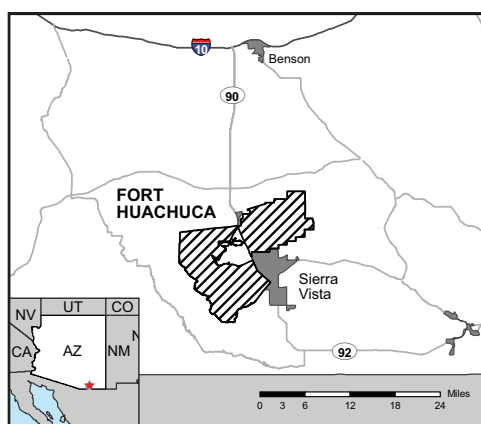


U.S. ARMY :

# FORT HUACHUCA : ARIZONA



**L**ocated in a perfect area for its testing mission of “Command, Control, Communications, Computer, Intelligence, Surveillance and Reconnaissance,” Fort Huachuca is surrounded largely by the Sonoran Desert in southeastern Arizona. This mission includes Unmanned Aerial Systems (UAS) training in heavily used, low-altitude airspace immediately north and west of the installation, an area that also happens to be mostly privately-owned open rangeland. Additionally, this area is used by aircraft from nearby Air Force bases.



Working in a first-of-its-kind partnership with the Bureau of Land Management (BLM) to protect training and preserve land, Fort Huachuca’s partners have purchased easements near the desert for water conservation purposes. The buffers are important for the installation’s UAS training and also reduces electromagnetic interference with electronic testing of sensitive equipment.

Already a leader in water conservation, Fort Huachuca’s partnership with BLM protects groundwater supplies within the watershed of the San Pedro Riparian National Conservation Area. By reducing groundwater pumping, the project protects the future of the San Pedro and Babocomari Rivers. The partnership also reduces development potential in one of the fastest growing states, keeping the land in the hands of local ranchers, while preserving key native grasslands that contain critical habitat for endangered species.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves working lands and local character
- Supports regional planning objectives
- Provides habitat for endangered species
- Protects water supply

### MILITARY

- Preserves on-installation maneuver, helicopter, and night flying training capability that generates noise or requires minimal light pollution
- Reduces electromagnetic interference
- Improves operational safety
- Provides for mission growth



Soldiers training at the Joint Center of Excellence for Human Intelligence Training at Fort Huachuca (top). Test vehicles for the Warfighter Information Network-Tactical (bottom).

## KEY PARTNERS

- Arizona Land and Water Trust
- Arizona Military Installation Fund
- Bonneville Environmental Foundation
- Bureau of Land Management
- Cochise County
- Ecosystem Services, LLC
- National Fish and Wildlife Foundation
- National Park Service Land and Water Conservation Fund
- The Nature Conservancy
- The Walton Family Foundation

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**13,857**
- » Transactions conducted:  
**17**
- » Total funds expended:  
**\$32.0 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(520) 533-1850

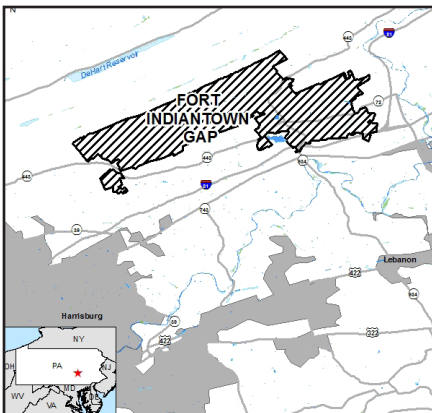


U.S. ARMY :

# FORT INDIANTOWN GAP : PENNSYLVANIA



**F**ort Indiantown Gap National Guard Training Center (FTIG) is one of the busiest National Guard training sites in the country with over 100,000 troops training there annually. Home to the headquarters of the Pennsylvania Army National Guard—the nation’s second largest National Guard—FTIG is a world-class, commander-centric, combat-focused installation that supports active duty and reserve unit training across all the Services.



FTIG is home to the Eastern Army Aviation Training Site, which provides a combination of virtual simulations and hands-on experience in an array of procedural training areas, aircraft qualifications, and instructional training on utility and cargo helicopters to aviators. Aircraft stationed at FTIG’s airfield execute the largest Flying Hours Program in the Army National Guard, averaging over 9,000

flight hours annually, making it one of the Army’s busiest heliports. FTIG also provides ground training support ranging from individual warrior tasks to brigade-level collective training exercises. The installation hosts multiple military equipment maintenance facilities, artillery exercises, and a live-fire air-to-ground training range. Protected lands help minimize noise and night-lighting conflicts.

Much of the land buffering FTIG and underneath its aviation training areas is agricultural, forested, or wetlands located within a global Important Bird Area known as the Kittatinny Ridge, an important migratory bird route and habitat for a variety of rare neo-tropical birds such as the cerulean and golden-winged warblers, and the threatened northern long-eared bat. Maintaining forested and undeveloped areas in and around FTIG helps ensure that military training capabilities are preserved, helps maintain the health of the Chesapeake Bay, and provides high quality drinking water for multiple communities in the Susquehanna River watershed.

## BENEFIT SUMMARY

### COMMUNITY

- Protects working agricultural and forest lands that benefit the local economy
- Preserves important ecological areas, water quality, and species of concern
- Supports recreational activities such as hunting, trapping, and fishing

### MILITARY

- Protects high-noise live-fire training, including small arms and artillery firing
- Protects ground maneuver capabilities
- Supports aviation activities such as aerial gunnery, bombing, and maneuver training



Fort Indiantown Gap hosts multiple ground-based training activities such as joint armored war fighting exercises (top), and multiple aviation-related training activities (bottom).

## KEY PARTNERS

- Audubon Pennsylvania
- Appalachian Trail Conservancy
- Pennsylvania Department of Community and Economic Development
- Pennsylvania Department of Conservation and Natural Resources
- Pennsylvania Fish and Boat Commission
- Pennsylvania Game Commission
- The Appalachian Trail Conservancy
- The Conservation Fund
- The Kittatinny Ridge Coalition
- The Lebanon Valley Conservancy
- The Manada Conservancy
- The Nature Conservancy
- The Ward Burton Wildlife Foundation
- Trout Unlimited

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**8,897**
- » Transactions conducted:  
**11**
- » Total funds expended:  
**\$16.1 million**
- » Project status:  
**In Progress**

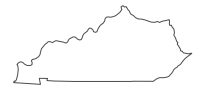
## CONTACT

Public Affairs Office  
(717) 861-8829

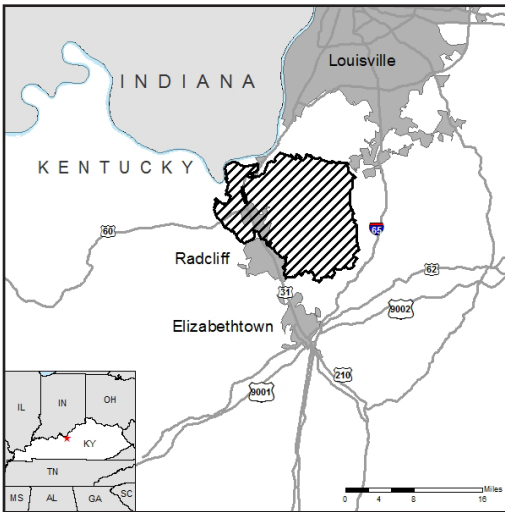


U.S. ARMY :

# FORT KNOX : KENTUCKY



**L**ocated 35 miles south of Louisville, Fort Knox covers parts of three counties and has a population of 40,000 soldiers, family members, and civilian employees combined. Training at Fort Knox includes basic combat operations, maneuver, aerial gunnery, and amphibious operations. Ranges provide qualification for weapons firing and anti-tank weapons, demolitions, helicopter and aerial gunnery, unmanned aerial vehicles, tank firing, and other types of training. The post's facilities, training areas, and firing ranges are utilized 356 days a year,



while troop increases from 2005 Base Realignment and Closure are putting further strain on limited resources.

Growth and urban sprawl emanating around Fort Knox and Louisville threatens to further restrict training, create safety concerns, and increase the loss of habitat for the endangered gray and Indiana bats. Training already requires workarounds to avoid conflict with

development east of the post. For this REPI project, Fort Knox's partners are acquiring undeveloped lands bordering Fort Knox's Yano Range and other training areas along the eastern boundary.

Sustaining habitat in this traditionally agricultural area also prevents the need to impose restrictions on training activities using smoke and fire, which affects the bats and their habitat. Fort Knox will meet its mission of providing realistic day-and-night training that produces large amounts of noise and smoke, while preserving nearby open space, habitat, and agricultural lands.

## BENEFIT SUMMARY

### COMMUNITY

- Protects working lands and maintains local character
- Protects habitat for endangered species
- Provides recreational opportunities

### MILITARY

- Preserves live-fire, maneuver, helicopter, and night flying training that produces significant noise or requires minimal light pollution
- Prevents workarounds that would have otherwise limited training capacity
- Provides for future mission growth



A squadron engages in a live-fire training exercise (top), while a special boat team participates in a drill at the riverine training range at Fort Knox (bottom).

## KEY PARTNERS

- Kentucky Division of Conservation
- Kentucky Department of Fish and Wildlife Resources
- Kentucky Forest Service
- Kentucky Land Trust
- Kentucky Nature Preserves
- Lincoln Trail Area Development District
- The Nature Conservancy

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**462**
- » Transactions conducted:  
**3**
- » Total funds expended:  
**\$1.0 million**
- » Project status:  
**In Progress**

## CONTACT

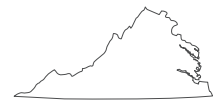
Public Affairs Office  
(502) 624-4985



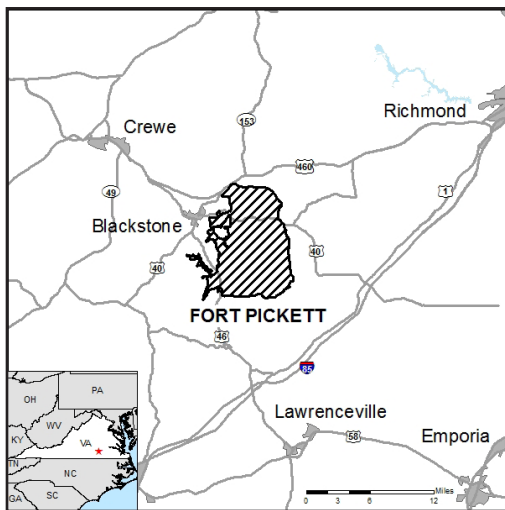


U.S. ARMY :

# FORT PICKETT : VIRGINIA



**F**ort Pickett provides a live-fire and maneuver training site for active and reserve Army components, as well as the largest block of special use airspace in Virginia. The post has the highest active component man-days and the third highest total man-days in the Army National Guard. It is also the leading National Guard Training Center for the Marine Corps and the ground warfare forces of the Navy (such as Special Warfare). Because of such heavy use, the post's ranges and firing points produce large amounts of noise, dust, and smoke, and require a dark-



night sky for night flight operations.

However, as Fort Pickett's isolation dissipates and suburban development steadily closes in, conflicts with the growing population will increase over such training-related noise, vibrations, and smoke.

To protect its mission, Fort Pickett is partnering with the Ward Burton Wildlife Foundation—started by NASCAR driver and Daytona 500 winner Ward Burton—to preserve

land near and adjacent to its boundary, ranges, and training routes. The Ward Burton Wildlife Foundation and other partners are acquiring conservation easements and lands in fee to ensure compatibility with these mission capabilities.

In addition to preventing development and protecting Fort Pickett's training capabilities, the partnership is also protecting local water resources and riparian zones. Fort Pickett is an island of ecological importance and this REPI project helps the post meet its natural and cultural resources management goals. Buffer lands and wildlife corridors along the post's boundary preserve the Nottoway River drainage and serve as habitat for species vital to the local fishing and ecotourism industry.

## BENEFIT SUMMARY

### COMMUNITY

- Protects working lands and maintains local character
- Brings together new partners
- Provides recreational opportunities

### MILITARY

- Preserves live-fire and maneuver training that produces significant noise
- Provides for future mission growth and multi-Service missions



Training at Fort Pickett includes working in a joint service environment for maneuver (top) and sling load operations, which include rigging a humvee to a helicopter (bottom).

## KEY PARTNERS

- Albemarle-Chowan Watershed Roundtable
- Albermarle-Pamlico National Estuary Partnership
- Brunswick County
- Commonwealth of Virginia
- Dinwiddie County
- Ever Green
- Lunenburg County
- Nottoway County
- Roanoke River Basin Association
- The Conservation Management Institute at Virginia Tech University
- The Nature Conservancy
- U.S. Fish and Wildlife Service
- Virginia Department of Conservation and Recreation
- Virginia Department of Forestry
- Virginia Outdoors Foundation
- Ward Burton Wildlife Foundation

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**17,295**
- » Transactions conducted:  
**85**
- » Total funds expended:  
**\$39.1 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(804) 236-7892

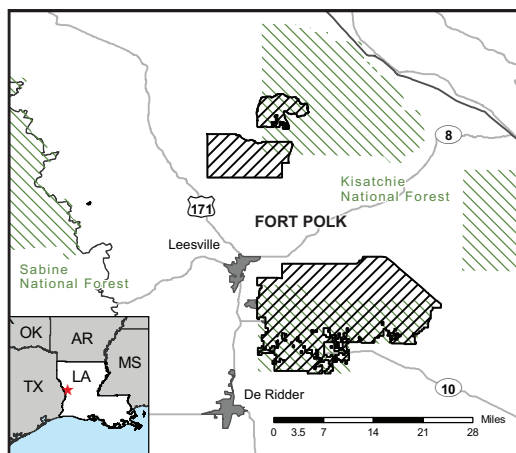


U.S. ARMY :

# FORT POLK : LOUISIANA



**H**ome of the Army's Joint Readiness Training Center (JRTC), Fort Polk is located mostly in Louisiana's Kisatchie National Forest in a special use agreement with the U.S. Forest Service. The post supports training for deploying units, including special operations forces, in contingency missions. The JRTC provides highly realistic and stressful joint operations exercises that are extremely important for supporting forces in Iraq, Afghanistan, and other theaters.



Fort Polk's location and surrounding ecosystem are critical to a host of species, especially the Louisiana pine snake, one of the rarest snake species in North America, and the red-cockaded woodpecker. The loss of longleaf pine habitat across the Gulf coastal plains of the Southeast has put increased pressure on the installation to act as one of the last bastions

of viable habitat. Protecting this habitat—and managing acquired REPI lands to meet conditions desired for the species—can help prevent the listing of the pine snake under the Endangered Species Act. Listing the pine snake has the potential to impose significant restrictions on land use and off-road vehicle movement on-post.

Partnering with Fort Polk, with the support of the U.S. Fish and Wildlife Service, is The Nature Conservancy, who will acquire easements that will protect and expand the pine snake's habitat. The project also aims to sustain working forest lands and allow continued flexibility in the use and development of Fort Polk's land to meet its important national defense mission.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves working lands and local character
- Provides habitat for rare and endangered species

### MILITARY

- Preserves on-installation live-fire and maneuver training capacity
- Reduces lost training days and the need for workarounds that would reduce training realism or effectiveness
- Provides for future mission growth



A Chinook helicopter performing an exercise (top) and a Stryker vehicle firing a missile (bottom) at the Joint Readiness Training Center.

## KEY PARTNERS

- Louisiana Department of Wildlife and Fisheries
- The Nature Conservancy
- U.S. Fish and Wildlife Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**1,555**
- » Transactions conducted:  
**5**
- » Total funds expended:  
**\$5.0 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(337) 531-1344

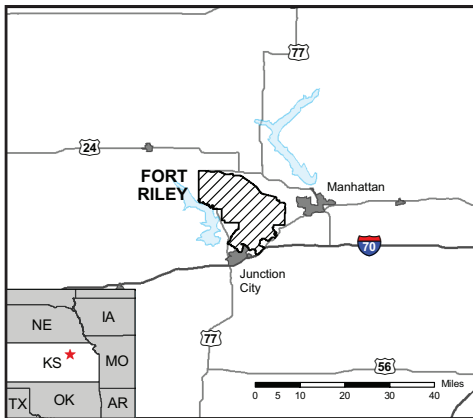


U.S. ARMY :

# FORT RILEY : KANSAS



**W**orking lands owned by ranchers near Fort Riley provide a situation that is conducive to maintaining ideal training conditions on-post. Located in northeastern Kansas, Fort Riley trains over 30,000 soldiers predominantly in live-fire exercises and vehicle maneuver training in which every weapons system in a heavy artillery division's inventory may be fired. Such training generates significant amounts of noise, so for Fort Riley's mission to continue, development around the post must remain compatible with this requirement.



Building on an early partnership between the U.S. Department of Agriculture's Natural Resources Conservation Service and the Department of Defense, the post is sustaining the military mission and providing far-reaching benefits to the community's way of life. Together with the Kansas Land Trust, the partners are protecting family-owned ranches

consisting of prime soils and the largest remaining tracts of native tallgrass prairie in Kansas. Preserving the most altered ecological community in North America helps buffer important high-noise activities such as Howitzer and demolition training.

Also of note at Fort Riley was an effort that prevented the incompatible siting of a 100-turbine wind farm project that would have interfered with the operation of a Digital Airport Surveillance Radar station at Marshall Army Air Field. All told, the post's efforts help allow combined air and ground operations to continue and to protect the disappearing tallgrass prairie rangelands.

## BENEFIT SUMMARY

### COMMUNITY

- Protects working lands and local character that benefit the economy
- Supports existing regional planning efforts, including the development of a Joint Use Land Study to better coordinate planning efforts among various government entities

### MILITARY

- Protects live-fire artillery, ground vehicle maneuver, helicopter, and night flying training that produces significant amounts of noise or requires minimal light pollution
- Prevents the loss of training days and less-realistic workarounds
- Provides for future mission growth and multi-Service efforts



Open space (bottom) preserved near Fort Riley preserves local character and allows ground vehicle maneuver training (top) to continue.

## KEY PARTNERS

- Kansas Department of Natural Resources
- Kansas Land Trust
- The Nature Conservancy
- U.S. Department of Agriculture-Natural Resources Conservation Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**15,962**
- » Transactions conducted:  
**25**
- » Total funds expended:  
**\$12.9 million**
- » Project status:  
**In Progress**

## CONTACT

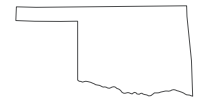
Public Affairs Office  
(785) 239-8851



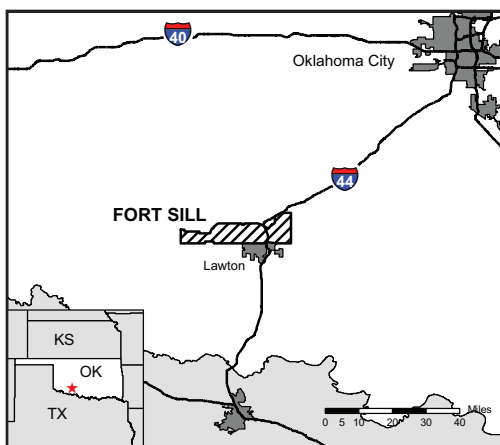


U.S. ARMY :

## FORT SILL : OKLAHOMA



**H**ome to the only artillery school for the Army and the Marine Corps, Fort Sill supports training that provides soldiers and Marines with the skills to provide timely and effective fire support to ground force commanders in a joint and combined arms environment. Training at Fort Sill includes Basic Combat Training and artillery training that requires utilizing the weapon's maximum range, but this requirement brings firing points close to the fenceline. As homes appear nearby or adjacent to the post, noise complaints could threaten to restrict training activities.



Located in an area with prime agricultural soils and a community eager to protect its working lands, Fort Sill partnered with Land Legacy, a local land trust, to foster an innovative solution to keep those lands in agricultural production. Families keep their farms while easements prevent the incompatible development of residential housing that can restrict training.

By creatively partnering with the U.S. Department of Agriculture–Natural Resources Conservation Service's Farm and Ranchland Protection Program, as well as the Comanche County Industrial Development Corporation, among others, Fort Sill buffers a growing urban area from the noise and dust of artillery training while providing economic benefits to local family farms. Landowners, business leaders, conservation groups, local government, and the military are working together to sustain their mutually compatible missions.

### BENEFIT SUMMARY

#### COMMUNITY

- Protects working lands for ranching and farming, benefitting the local economy
- Maintains local character
- Provides habitat for endangered species

#### MILITARY

- Preserves ability to conduct live-fire training and other training that produces noise
- Preserves capability for future mission growth and multi-Service exercises



Protecting habitat for the black-capped vireo (bottom) near Fort Sill helps to preserve heavy artillery training, such as that conducted with the Paladin Howitzer (top).

### KEY PARTNERS

- City of Lawton
- Comanche County Commission
- Comanche County Industrial Development Authority
- Land Legacy
- State of Oklahoma
- U.S. Department of Agriculture–Natural Resources Conservation Service

### FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**3,607**
- » Transactions conducted:  
**38**
- » Total funds expended:  
**\$13.9 million**
- » Project status:  
**In Progress**

### CONTACT

Public Affairs Office  
(580) 442-4500



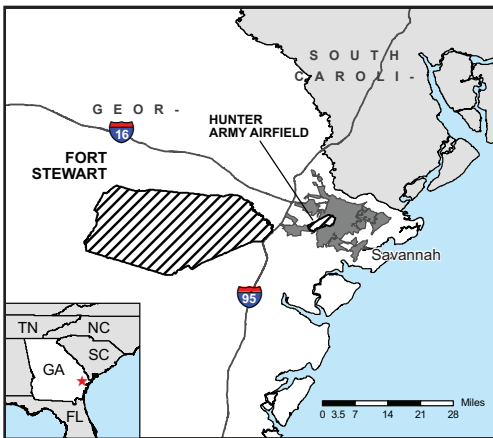
U.S. ARMY :

# FORT STEWART : GEORGIA



**The largest Department of Defense installation east of the Mississippi, Fort Stewart's 279,000 acres are home to the 3rd Infantry Division.**

Able to train up to 50,000 soldiers annually, the installation's live-fire facilities support the full range of Army weaponry. Together with local and national non-profit partners, as well as the state of Georgia, Fort Stewart is working on an ambitious project to protect large swaths of rural land near the installation.



Preventing incompatible development around Fort Stewart and Hunter Army Airfield is safeguarding the continued use of the installation's controlled airspace—important for unmanned aerial vehicle operations and integrating close air support—as well as drop zones for paratrooper training.

The open space buffer is also allowing the installation to conduct

activities that produce noise, dust, and smoke, such as live-fire training, maneuver training, and controlled forest burns. Controlled burns prevent live ammunition from causing unplanned fires while also allowing native longleaf pine forests to thrive by restoring the natural balance of underbrush growth and suppressing undesirable hardwoods. Fort Stewart's longleaf pine forests support red-cockaded woodpeckers, flatwoods salamanders, and other rare species. These REPI efforts will help ease on-post management duties by permanently protecting surrounding off-post forests, as well as agricultural and water resources.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves working lands that benefit the local economy
- Supports regional planning objectives
- Alleviates safety concerns
- Protects habitat for wildlife
- Maintains local character

### MILITARY

- Preserves live-fire, operational airspace, and maneuver training capacity that generates noise, vibration and dust
- Prevents workarounds that would reduce training realism or effectiveness



Maneuver training at Fort Stewart (top). Habitat and water supplies protected by Fort Stewart REPI projects (bottom).

## KEY PARTNERS

- Chatham County
- City of Savannah
- The Conservation Fund
- Georgia Department of Natural Resources
- Georgia Forestry Commission
- Georgia Land Trust
- Knobloch Foundation
- The Longleaf Alliance
- The Nature Conservancy
- The Trust for Public Land
- U.S. Department of Agriculture-Natural Resources Conservation Service
- U.S. Fish and Wildlife Service
- U.S. Forest Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**39,645**
- » Transactions conducted:  
**74**
- » Total funds expended:  
**\$89.6 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(912) 435-9874

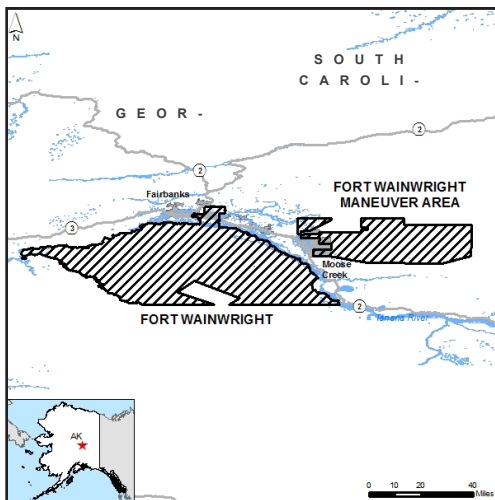


U.S. ARMY :

# FORT WAINWRIGHT : ALASKA



**F**ort Wainwright is the home of the United States Army Alaska, known as the “Arctic Warriors,” including the 1st Stryker Brigade Combat Team, 25th Infantry Division. Located in Fairbanks, temperatures can reach minus 50 degrees in winter, but during warmer months nearly 80% of the post becomes wetlands. This presents additional regulatory pressures on the use of installation training lands on top of encroachment from nearby development.



Preserving compatible land uses of properties along and near the installation fence line will avoid noise restrictions on live-fire training in the Fort Wainwright Small Arms Complex and benefit maneuver capabilities of the Stryker Brigade Combat Team. The Small Arms Complex, which is used for small arms training, explosive demolition training, and artillery firing from permanent firing points, is critical to

the success of the Stryker Brigade and other Army Alaska units, as it is the only location on Fort Wainwright where weapons qualification is possible.

In addition to providing a noise buffer along the eastern boundary of the Small Arms Complex, the Fort Wainwright project will protect and enhance wetlands. Lands preserved by Fort Wainwright’s partners will provide compensatory mitigation credits, which the Army can use to allow maneuver exercises or construct new ranges elsewhere on-post. For those parcels that do not contain wetlands, Fort Wainwright will work with the city to ensure the properties are zoned to preclude residential development, providing additional protection to the mission.

## BENEFIT SUMMARY

### COMMUNITY

- Protects and enhances sensitive wetlands
- Provides ecological corridors for wetland species
- Supports low impact recreational activities (i.e., hiking, dog mushing, berry picking) for area residents

### MILITARY

- Protects live-fire training, including small arms and artillery firing
- Supports maneuver capabilities of the 1/25 Stryker Brigade Combat Team



Soldiers test their physical endurance and perform basic Arctic warrior tasks such as an Ahkio sled pull (top). A Stryker Mobile Gun System fires a high explosive round at simulated targets during nighttime qualifying maneuvers (bottom).

## KEY PARTNERS

- Alaska Department of Fish and Game
- Ducks Unlimited
- Interior Alaska Land Trust
- Salcha-Delta Soil and Water Conservation District
- The Conservation Fund

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**629**
- » Transactions conducted:  
**20**
- » Total funds expended:  
**\$3.8 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(907) 353-6700



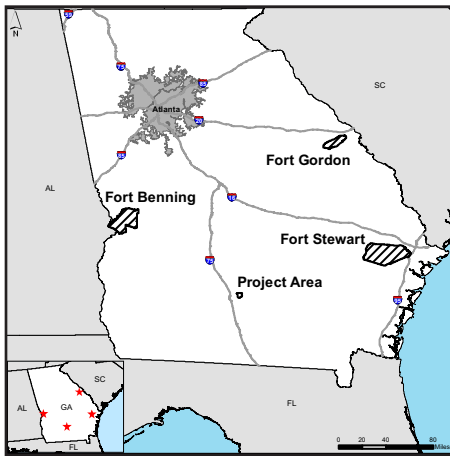


U.S. ARMY :

# SOUTHEAST REGIONAL ARMY PROJECT : GEORGIA



**T**he Southeastern United States is home to a complex of vital National Defense assets, including some of the Army's largest and most important training installations. Fort Benning, Fort Gordon, and Fort Stewart are all located in Georgia alone. These installations support the full gamut of training and operations, including the infantry school; primary flight training; tracked and armored vehicle maneuver; artillery; small to large caliber arms; and airborne drop zones.



The Southeast was also once a vast regional ecosystem of longleaf pine forests supporting rich biodiversity. As these forests dwindled, military installations increasingly became a home for many rare species. Such species' reliance on DoD lands presents a conflict with the need to meet training requirements. For example, mechanized maneuver training can compromise burrows where the gopher tortoise lives. The gopher tortoise

is a candidate species that if listed as threatened or endangered could restrict training missions across the region. Preventing its listing and preemptively mitigating impacts to training requires a creative response.

The Army is piloting a solution by partnering with the State of Georgia and the U.S. Fish and Wildlife Service to protect some of the most important habitats based on gopher tortoise counts within the state, regardless of distance to an installation. While the goal is to preclude a listing of the gopher tortoise, the partners are developing a conservation crediting process to benefit Army installations in case a listing is ultimately warranted. This crediting process, once completed, will serve as a model that can be applied to other at-risk species and DoD installations across the United States.

## BENEFIT SUMMARY

### COMMUNITY

- Protects habitat for multiple threatened, endangered, and candidate species
- Preserves working agricultural land
- Supports regional planning objectives

### MILITARY

- Protects multiple installations' live-fire, maneuver, and aviation capabilities
- Supports multiple Service missions
- Helps avoid and reduce workarounds and restrictions on training



Controlled burns help maintain a healthy forest ecosystem for the longleaf pine across the Southeastern U.S. (top). The Army is seeking to avoid future restrictions on training by protecting this habitat and the gopher tortoisés that live there (bottom).

## KEY PARTNERS

- Georgia Department of Natural Resources
- Knobloch Family Foundation
- U.S. Fish and Wildlife Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**6,990**
- » Transactions conducted:  
**1**
- » Total funds expended:  
**\$17.9 million**
- » Project status:  
**In Progress**

## CONTACT

Office of the Assistant Chief of Staff for  
Installation Management ACUB Coordinator  
(571) 256-9731

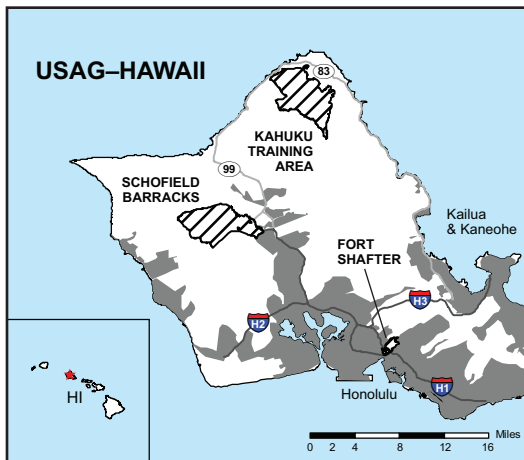


U.S. ARMY :

# U.S. ARMY GARRISON-HAWAII : HAWAII



**A**n important platform for the Pacific theater, U.S. Army Garrison-Hawaii (USAG-HI) can quickly mobilize soldiers in support of combat operations and disaster relief missions. The Army's ability to station, train, and deploy the 2/25th Stryker Brigade Combat Team in Hawaii is essential to our nation's defense strategy and transformation. Buffer actions protect both the Schofield Barracks and the Kahuku Training Area (KTA), where the Army plans to expand operations. The KTA is notable for pyrotechnic training and dismounted maneuver training.



front open space slated to become a residential development.

Additionally, the partners worked together to protect the habitat-rich 3,592-acre Honouliuli Preserve, a lowland forest on the eastern slope of the Wai'anale Mountain Range. The preserve contains 35 threatened and endangered species, including the endangered O'ahu 'elepaio, and 16 species found nowhere else in the world. Altogether, the installation's efforts are protecting not just valuable open space and habitat, but also drinking water resources, cultural sites, youth education opportunities, tourism, and recreational resources, all while ensuring the vitality of U.S. Army Garrison-Hawaii's defense mission.

## BENEFIT SUMMARY

### COMMUNITY

- Supports existing regional planning efforts
- Maintains local character
- Provides habitat for endangered species
- Helps improve water quality

### MILITARY

- Preserves live-fire and ground maneuver training capacity
- Preserves training realism by preventing the need for workarounds
- Prevents the loss of training days



Birds of a feather: Preserving habitat for the endangered 'elepaio bird (top) helps to preserve helicopter training (bottom).

## KEY PARTNERS

- City of Honolulu
- County of Honolulu
- National Oceanic and Atmospheric Administration
- North Shore Community Land Trust
- State of Hawaii
- The Trust for Public Land
- U.S. Department of Agriculture-Natural Resources Conservation Service
- U.S. Fish and Wildlife Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**13,157**
- » Transactions conducted:  
**7**
- » Total funds expended:  
**\$108.8 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(808) 656-3154

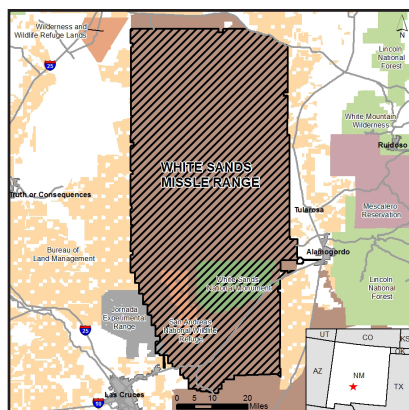


U.S. ARMY :

# WHITE SANDS MISSILE RANGE : NEW MEXICO



**I**n addition to being the largest military installation in the United States, White Sands Missile Range (WSMR) is the DoD's largest fully instrumented open-air range and was named the 2nd most important all-overland test range in the United States by the 2005 BRAC Commission. WSMR hosts 100% of the military's Remote Pilot Aircraft training (RPA), 70% of F-22 and F-16 pilot training, and most training for nearby Holloman Air Force Base. The northernmost part of WSMR, called the "Northern Call-Up Area" (NCUA),



provides invaluable airspace for the DoD and its partners.

Encroachment is of critical concern to the NCUA, as it presents risks to low-flying missile operations and may affect the use and choice of radar locations. Development along NCUA's borders would lead to issues related to radiation, noise, air quality degradation, and dust. Projected population growth and recent land sales indicate that the likelihood of this

threat will only increase with time. WSMR has partnered with local stakeholders and hopes to purchase easements near the NCUA to mitigate encroachment. Purchasing easements will allow training to continue in a realistic manner and also benefit local ranching communities that are also vulnerable to development. Ranching is an important and long-standing tradition in southern New Mexico, and its preservation is a high priority for WSMR.

WSMR's partnerships with local stakeholders will generate benefits that extend far beyond military readiness. Purchasing easements surrounding NCUA will give WSMR the opportunity to become a leader in archeological preservation and an ally who supports the surrounding area's economic and recreational interests. The land adjacent to NCUA has a high density of prehistoric archeological sites. WSMR's partnerships will reduce incompatible development on those sites and encourage traditional rural use of the land that will generate local revenue through ranching and hunting.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves working lands and local charter
- Protects water supply
- Provides recreational activities

### MILITARY

- Reduces electromagnetic interference
- Provides for mission growth
- Reduces lost training days and the need for workarounds that would reduce training realism or effectiveness



Soldiers conduct sling-load operations by loading an M777 Howitzer using cables attached to the underside of a CH47 Chinook helicopter, which transported the weapon to another location (top). Soldier monitors input from the Tactical Operations Center (bottom).

## KEY PARTNERS

- Bureau of Land Management
- Compatible Lands Foundation
- U.S. Department of Agriculture-Natural Resources Conservation Service
- New Mexico Land Conservancy
- New Mexico Military Base Planning Commission
- New Mexico State Lands Office
- Socorro Agricultural Land Trust
- The Nature Conservancy

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**24,524**
- » Transactions conducted:  
**2**
- » Total funds expended:  
**\$3.7 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(575) 678-1134



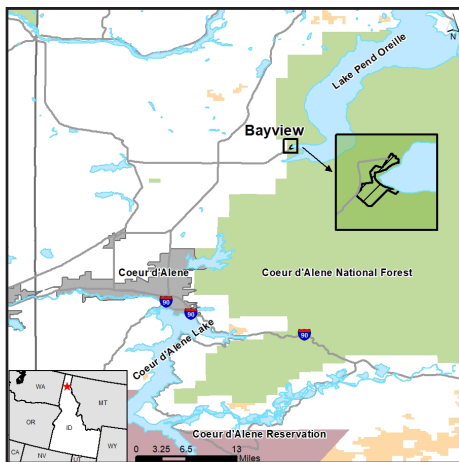


U.S. NAVY :

# ACOUSTIC RESEARCH DETACHMENT : IDAHO



**T**he 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, test 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 incompatible development 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 supports 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

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**0**
- » Transactions conducted:  
**0**
- » Total funds expended:  
**\$0**
- » Project status:  
**Initiated**

## CONTACT

Public Affairs Office  
(301) 227-4465



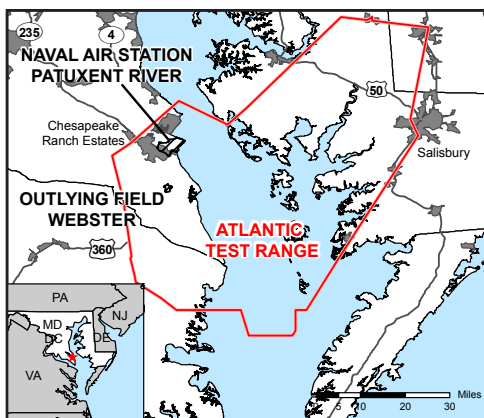
U.S. NAVY :

# ATLANTIC TEST RANGES : MARYLAND

WITH NAS PATUXENT RIVER



**T**he Atlantic Test Ranges (ATR), consisting of land, air, and sea ranges in the Chesapeake Bay area, is the Navy's principal location for the research, development, test, and evaluation of Naval aircraft. The range's restricted airspace is a critical national asset that allows for training missions and the concurrent testing of multiple new aircraft, including unmanned aerial systems. This restricted airspace, as well as Naval Air Station (NAS) Patuxent River (ATR's host installation) and Outlying Field (OLF) Webster, encompasses a vast ecologically



sensitive area, including part of Maryland's Eastern Shore of the Chesapeake Bay.

Due to the inherent risk in test flights, as well as the noise from aircraft (including supersonic operations), the Navy is working to limit incompatible development underneath the test range airspace and installation flight routes to increase safety and quality of life.

Another benefit to the mission is preventing increased conflicts in the use of frequency spectrum, allowing for testing of communications equipment and other electronics.

Acquiring easements under the restricted airspace and around NAS Patuxent River and OLF Webster also limits development of waterfront parcels and protects the health of the Chesapeake Bay and its tributaries. In addition, these projects also help sustain local agriculture and commercial and recreational fishing economies. Meanwhile, ATR and NAS Patuxent River can continue providing the test and evaluation capabilities that ensure safe and effective high-performance aircraft and aviation systems.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves working lands and local character
- Supports existing regional planning, including a Joint Land Use Study
- Provides recreational opportunities
- Protects habitat within an existing wildlife corridor

### MILITARY

- Preserves night flying and helicopter capacity that generates significant amounts of noise
- Reduces the potential for lost test and training days and the need for less-realistic workarounds
- Reduces electromagnetic interference
- Allows for future mission growth and multi-Service missions



NAS Patuxent River and the Atlantic Test Ranges serve as an important flight testing site (top). Testing an F/A-18 Hornet that runs on 50% biofuel (bottom).

## KEY PARTNERS

- Chesapeake Conservancy
- Delaware Department of Agriculture
- Delaware Department of Natural Resources and Environmental Control
- Dorchester County
- Eastern Shore Land Conservancy
- Maryland Agricultural Land Preservation Foundation
- Maryland Department of Natural Resources
- Northern Neck Land Conservancy
- Patuxent Tidewater Land Trust
- Southern Maryland Resource Conservation and Development Board
- St. Mary's County
- State of Delaware
- The Conservation Fund
- The Lower Shore Land Trust
- The Nature Conservancy
- The Trust for Public Land
- Virginia Department of Game and Inland Fisheries
- Virginia Outdoors Foundation

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**10,638**
- » Transactions conducted:  
**70**
- » Total funds expended:  
**\$45.7 million**
- » Project status:  
**In Progress**

## CONTACT

Community Plans and Liaison Office  
(301) 757-4799

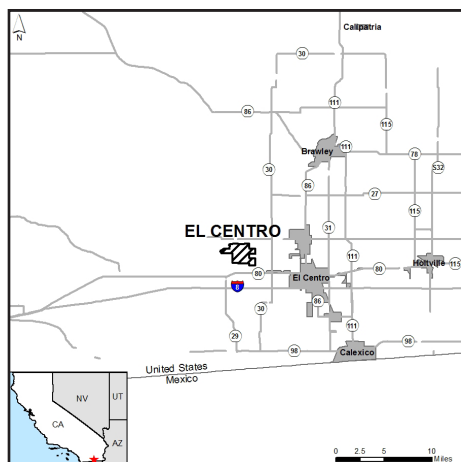


U.S. NAVY :

# EL CENTRO RANGE COMPLEX : CALIFORNIA



**N**aval Air Facility (NAF) El Centro is a support facility that provides access to ranges for fleet air squadrons to perform tactical air training. Air crews can practice ordnance delivery, live strafing, and Field Carrier Landing Practice in a harsh desert environment, among many other training exercises. Protecting this undeveloped environment is important because the El Centro Range Complex is one of the few places left where pilots can “train like they fight” by delivering ordnance to ground targets.



To sustain this capability, NAF El Centro and its partners are seeking to protect land under special use airspace and high noise zones where desert resort developments or tall structures would conflict with the military training mission. Maintaining the desert or agricultural environment on these lands also provides additional flexibility for ranges that support the flat-tailed horned lizard, helping keep it from being listed

as threatened or endangered, while also preventing off-road vehicle trespassing on those ranges.

As an added benefit, The Trust for Public Land (TPL) can establish a habitat restoration program for the flat-tailed horned lizard and burrowing owl on lands protected through REPI. TPL can also use these lands to establish photovoltaic panels that have the potential to supply enough renewable solar energy to power NAF El Centro’s daytime electric needs and improve the installation’s energy security.

## BENEFIT SUMMARY

### COMMUNITY

- Provides habitat for rare and at-risk species
- Preserves working agricultural land
- Supports compatible development including possible renewable energy sources

### MILITARY

- Protects night flying and air exercises that require minimal light pollution
- Improves operational safety and reduces trespassing on military ranges
- Preserves live-fire training capability



NAF El Centro’s location, weather, and training ranges make it a perfect winter home of the Blue Angels (top). The compatible landscape also supports live-fire training with the M134 minigun on a UH-1Y Venom helicopter (bottom).

## KEY PARTNERS

- Compatible Lands Trust
- The Trust for Public Land

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**1,536**
- » Transactions conducted:  
**10**
- » Total funds expended:  
**\$735.6 thousand**
- » Project status:  
**In Progress**

## CONTACT

Community Plans and Liaison Office  
(760) 339-2224



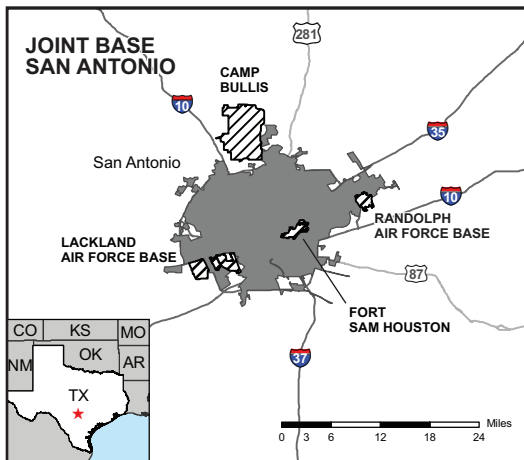


U.S. ARMY - U.S. AIR FORCE :

# JOINT BASE ANTONIO-CAMP BULLIS : TEXAS



**H**ome to “the combat medic” and part of the newly formed Joint Base San Antonio, Camp Bullis hosts all student medic field training for the Department of Defense, as well as other training for Army and Air Force units. The post is the only field training location for the Joint Base, which is otherwise a heavily urbanized installation. With San Antonio’s quickly expanding suburbs threatening regional habitat for the golden-cheeked warbler (GCW), the resulting on-post endangered species restrictions are threatening Camp Bullis’s ability



to conduct training for its unique and critical mission.

To address these concerns and limit development, Camp Bullis’s partners are acquiring conservation lands and easements for GCW habitat, some as far as 25 miles away. Through a consultation under the Endangered Species Act, the post will be credited for promoting conservation of GCW habitat,

thereby helping thousands of acres of key training lands to be released from restrictions. This is allowing the post to clear dense, unoccupied habitat and increase its training area, enhancing training capabilities.

The efforts at Camp Bullis are also particularly noteworthy for the partnership with the city of San Antonio. The city donated over 3,000 acres valued at approximately \$15 million to the Texas Parks and Wildlife Department to be managed as habitat. Additionally, San Antonio introduced an endangered species ordinance that holds developers to strict species survey standards and other protections—a cutting-edge approach that has only been tried in one other state.

## BENEFIT SUMMARY

### COMMUNITY

- Protects working lands that benefit the local economy
- Supports existing regional planning efforts, including “green corridor” habitat connections for wildlife
- Protects endangered species and local water supplies

### MILITARY

- Protects live-fire artillery and ground vehicle maneuver training on-installation
- Mitigates noise concerns and improves operational safety



Preserving habitat for the golden-cheeked warbler (top) allows ground training sites at Camp Bullis to continue operation (bottom).

## KEY PARTNERS

- City of San Antonio
- Green Spaces Alliance
- Texas Parks and Wildlife Department
- The Nature Conservancy
- U.S. Fish and Wildlife Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**7,687**
- » Transactions conducted:  
**6**
- » Total funds expended:  
**\$33.8 million**
- » Project status:  
**Completed**

## CONTACT

Public Affairs Office  
(210) 808-1087

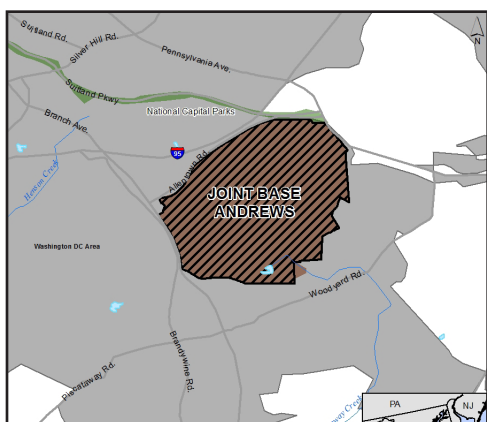


U.S. AIR FORCE - U.S. NAVY :

# JOINT BASE ANDREWS : MARYLAND



**I**n 2009, Andrews Air Force Base and Naval Air Facility Washington combined to become Joint Base (JB) Andrews-Naval Air Facility Washington, or JB Andrews. Located outside of Washington, D.C and known as “The Gateway to the Capital,” JB Andrews has grown to support over 80 Federal, state, and commercial tenants in the National Capital Region. While the installation hosts a broad range of critical security missions, it is most widely recognized as the home of Air Force One.



The installation’s ability to fulfill its national defense mission is contingent on having strong, safe, and state-of-the-art infrastructure. In its most recent Installation Development Plan, JB Andrews put forward several capital improvement projects, including a proposal to regrade its airfield. In order to offset the project’s adverse impacts to wetlands on the base, JB Andrews

partnered with GreenTrust Alliance and its affiliated organization, GreenVest LLC, to create a wetlands mitigation bank. Under the partnership, JB Andrews, GreenTrust Alliance, and GreenVest LLC are working together to preserve and manage a wetlands site outside of the installation at Mattawoman Creek in Charles County, Maryland.

This project will allow JB Andrews to support mission critical infrastructure improvements while also fulfilling its responsibility to be a good steward of the land. Furthermore, this effort will promote compatible development outside of JB Andrews; protect wildlife and flora within the Mattawoman Creek watershed area; and mitigate adverse impacts to the Chesapeake Bay. By creatively partnering with the GreenTrust Alliance, the U.S Army Corps of Engineers, Maryland Department of Environment, and others, JB Andrews will successfully strengthen military readiness while simultaneously protecting natural resources.

## BENEFIT SUMMARY

### COMMUNITY

- Protects water resources, including the Chesapeake Bay watershed
- Preserves habitat for species
- Supports existing regional planning and regulatory objectives

### MILITARY

- Supports mission required airfield improvements
- Provides for future mission growth and multi-Service missions
- Increases operational safety



Preserving wetlands outside of JB Andrews (top) enables the installation to carry out mission-critical infrastructure improvement projects (bottom).

## KEY PARTNERS

- Charles County
- GreenVest, LLC
- GreenTrust Alliance, Inc.
- Maryland Department of Environment
- Prince George’s County
- The John M. and Sara R. Walton Foundation, Inc.
- U.S. Army Corps of Engineers

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**142**
- » Transactions conducted:  
**2**
- » Total funds expended:  
**\$1.3 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs  
(240) 612-4428



U.S. NAVY :

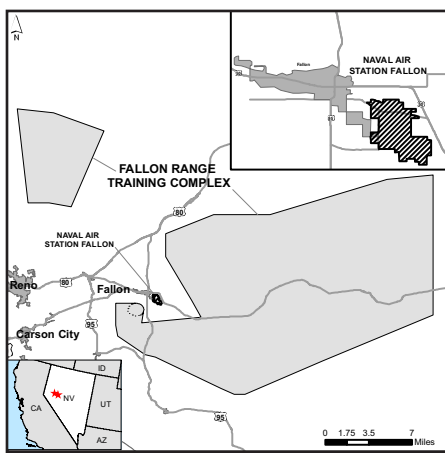
# NAS FALLON : NEVADA

WITH FALLON RANGE TRAINING COMPLEX



**N**aval Air Station (NAS) Fallon and the Fallon Range Training Complex (FRTC) comprise the Navy's premier tactical air warfare training center, the only facility where an entire carrier air wing can conduct comprehensive and realistic integrated strike and air warfare battle scenarios.

The climate around Fallon is highly conducive to year-round flight training, and FRTC's target and instrumentation assets provide invaluable training opportunities



for air combat, live-bombing, Close Air Support, and search and rescue training, among other missions.

To protect the air station and the integrity of the FRTC military influence area, the Navy and its partners are acquiring conservation easements within high priority areas, such as under the airfield's flight departure corridors. The partnership is also seeking to protect undeveloped areas along the FRTC training

corridor that currently allows for training with live weapons, areas that if developed would adversely affect the Navy's mission.

Protecting ranchland, including state-designated historic ranches, around NAS Fallon and the FRTC supports the local economy and provides opportunities for habitat restoration and management that benefits the greater sage grouse. Additionally, in conjunction with its REPI partnership, Churchill County enacted a Transfer of Development Rights (TDR) ordinance that helps the partnership preserve agricultural land near and within NAS Fallon's conservation buffer zone. By protecting agriculture uses as well as NAS Fallon's viability, the TDR program helps to promote compatible economic growth and secures an irreplaceable national defense asset.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves working lands for ranchers, benefiting the local economy
- Maintains community's local character
- Preserves habitat for rare and notable species

### MILITARY

- Preserves live-fire training capacity
- Ensures the ability to conduct training or testing activities that generate noise
- Enhances operational safety and installation security, and addresses future safety concerns



Helicopter training on desert terrain (top). Desert scrub brush provides partial camouflage for ground training efforts (bottom).

## KEY PARTNERS

- Bureau of Land Management
- Churchill County
- Lahontan Valley Land and Water Alliance
- Nevada Conservation Districts Program
- Nevada Department of Wildlife
- Nevada Land Conservancy
- Nevada Land Trust
- Rocky Mountain Elk Foundation
- The Nature Conservancy
- U.S. Department of Agriculture-Natural Resources Conservation Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**10,403**
- » Transactions conducted:  
**99**
- » Total funds expended:  
**\$22.7 million**
- » Project status:  
**In Progress**

## CONTACT

Community Plans & Liaison Officer  
(775) 426-2925



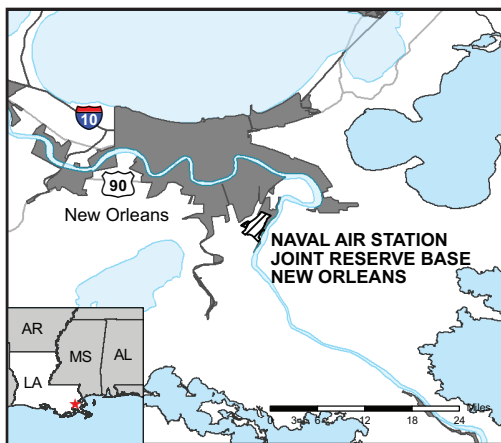


U.S. NAVY :

# NAS JRB NEW ORLEANS : LOUISIANA



**P**roviding critical access to Gulf of Mexico air ranges, Naval Air Station (NAS) Joint Reserve Base (JRB) New Orleans' multiple readiness missions require training pilots on several aircraft, including helicopters, from multiple Services. The air station also maintains readiness 24 hours a day, seven days a week to launch in support of the Department of Homeland Security and coastal rescue operations. The base allows for overwater operations, live weapon firings and urban close-air-support environments. Its proximity to the Gulf also reduces time to



get to critical oil production facilities and saves precious minutes for search and rescue operations.

As part of its efforts, NAS JRB New Orleans partnered with the Trust for Public Land and Plaquemines Parish, to protect one of its most active runways from a planned 600-home subdivision nearby. Investment in infrastructure to support land development and hurricane

evacuation is making nearby land more valuable and therefore desirable. Developing the subdivision would have threatened to curtail aviation training at the base because of noise and safety concerns, thereby threatening its viability.

With flight operations expected to remain level or increase in coming years, the installation is protecting an essential economic driver for a New Orleans region still looking to recover from hurricane devastation. Not only does the project protect the base, itself a community asset, but the land will also provide an opportunity for a new Parish-managed park for the public to enjoy.

## BENEFIT SUMMARY

### COMMUNITY

- Protects working lands and local character that benefit the economy
- Supports existing regional planning efforts, including the development of a Joint Use Land Study to better coordinate planning efforts among various government entities

### MILITARY

- Protects live-fire artillery, maneuver, helicopter, and night flying training that produces significant amounts of noise or requires minimal light pollution
- Prevents the loss of training days and the use of less-realistic workarounds
- Provides for future mission growth and multi-Service missions



Facilities at NAS JRB New Orleans provide the Navy with a diverse array of training venues (top and bottom).

## KEY PARTNERS

- Plaquemines Parish
- State of Louisiana
- The Trust for Public Land

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**202**
- » Transactions conducted:  
**1**
- » Total funds expended:  
**\$7.3 million**
- » Project status:  
**In Progress**

## CONTACT

Community Plans & Liaison Officer  
(504) 678-9941

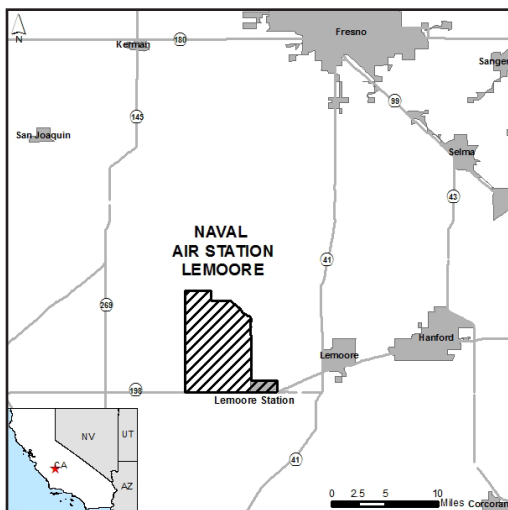


U.S. NAVY :

# NAS LEMOORE : CALIFORNIA



**A**s the West Coast Master Jet Base home to the Pacific Strike Fighter Wing, Naval Air Station (NAS) Lemoore averages about 210,000 annual flight operations and contains four low-altitude Ground Control Approach corridors that support over 9,000 annual flight operations (training and actual). Much of the land bordering NAS Lemoore is farmland, which is compatible with training or testing missions with high noise levels and does not hinder aircraft take-off or landing procedures.



To protect its mission and mitigate unnecessary health and safety risk to its air crew and the community, NAS Lemoore is working with its partners to acquire restrictive use easements on over 1,950 acres of farmland and operational areas within the NAS Lemoore's Military Influence Area, particularly beneath its low level approach corridors. If these lands were fully developed as allowed by

the City of Lemoore's General Plan, over 7,000 future residents would be exposed to high noise events from jet flyovers.

The targeted parcels also link with an existing U.S. Department of Agriculture Wetlands Reserve Program easement on 900 acres of wetlands, forming a 2,300 acre buffer for NAS Lemoore. Together these efforts help to protect and conserve habitat for 18 threatened or endangered species and maintains the integrity of the county's watershed and water aquifer recharge systems. Through REPI, NAS Lemoore is protecting prime cropland and sensitive habitat while benefiting mission effectiveness and our national security.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves working lands for farmers and ranchers, benefitting the local economy
- Maintains local character
- Provides habitat and connects to an existing riparian corridor

### MILITARY

- Ensures the ability to conduct training or testing activities that generate noise
- Prevents the loss of training days and the use of less-realistic workarounds



To protect flight operations of F/A-18E Super Hornets (above), NAS Lemoore is helping to preserve compatible farmland in a rich agricultural area (bottom).

## KEY PARTNERS

- Kings County
- Sequoia River Lands Trust
- Tulare Basin Wild Life Partners
- West Hills Community College District

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**57**
- » Transactions conducted:  
**1**
- » Total funds expended:  
**\$0.9 million**
- » Project status:  
**In Progress**

## CONTACT

Community Plans and Liaison Office  
(559) 998-4093

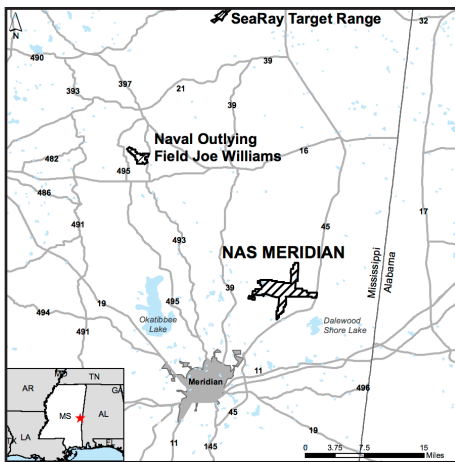


U.S. NAVY :

# NAS MERIDIAN : MISSISSIPPI



**N**aval Air Station (NAS) Meridian is one of the Navy's premier two newest air installations and one of just two DoD locations providing intermediate and advanced jet training for carrier operations. As the Navy's largest air station, it was specifically designed for jet aircraft rather than propeller planes. The main station is located a short distance from the Meridian Complex's military operations area airspace, target range, and outlying field to maximize training time and fuel efficiency.



Supporting NAS Meridian's mission is an unconstrained training environment where only minimal conflicts related to noise allow jets to practice intensive carrier landings until midnight during frequent carrier qualification training. The rural lands around the air station allow NAS Meridian to support over 191,000 flight operations a year while training 150 student aviators. Easements on these rural lands along the installation boundary and

in high noise areas will permanently protect this important Navy capability.

Meanwhile, NAS Meridian is working with Lauderdale and Kemper Counties to develop new airport zoning ordinances and with the counties, city of Meridian, and town of Marion on a Joint Land Use Study to further protect the military mission. Together with community outreach and education efforts, strengthening military-community partnerships will ensure the viability of a key economic driver in the Meridian and Lauderdale County region.

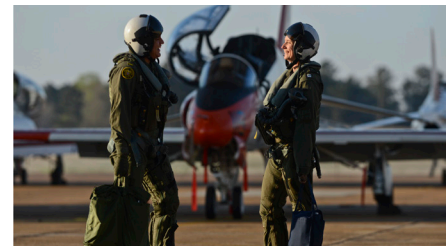
## BENEFIT SUMMARY

### COMMUNITY

- Preserves forest land and water resources
- Sustains the economic viability of local communities
- Supports local coordinated planning efforts

### MILITARY

- Protects initial aviation training that generates significant amounts of noise
- Improves operational safety
- Avoids the use of less realistic workarounds or restrictions on training



As one of two Navy jet strike pilot training facilities, NAS Meridian hosts Training Air Wing-1 and the T-45 Goshawk (top), used to train Navy and Marine Corps student aviators (bottom).

## KEY PARTNERS

- Kemper County
- Lauderdale County
- Mississippi Development Authority
- State of Mississippi

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**1,110**
- » Transactions conducted:  
**20**
- » Total funds expended:  
**\$1.0 million**
- » Project status:  
**In Progress**

## CONTACT

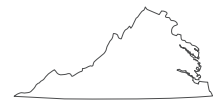
Community Plans and Liaison Office  
(601) 679-2482



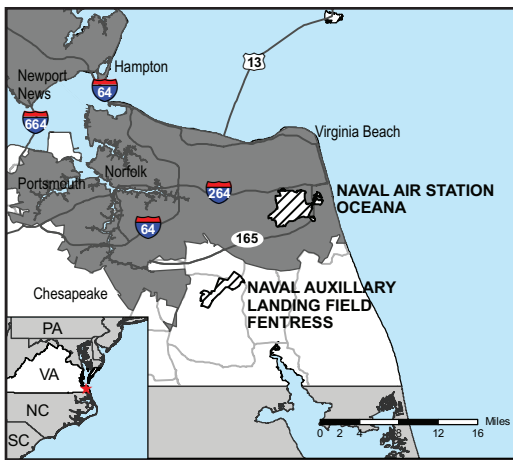


U.S. NAVY :

# NAS OCEANA : VIRGINIA



**T**he Navy's only East Coast master jet base, Naval Air Station (NAS) Oceana is home to F/A-18 squadrons and supports carrier aircraft home-basing, training, and pre-deployment requirements. Its location in Virginia Beach places it ideally near the Navy's carrier fleet in Norfolk, offshore training ranges, and inland training routes up and down the eastern seaboard. However, much of Virginia Beach and the greater Hampton Roads region are built out, full of residential development that continues to require NAS Oceana to modify flight procedures and operations.



Protecting key remaining open space around the installation's only major outlying landing field, Naval Auxiliary Landing Field (NALF) Fentress, and the inter-traffic area for flight routes to and from the air station is vital for NAS Oceana's capabilities. Work by the cities of Virginia Beach and Chesapeake, to acquire easements in high noise areas and safety zones allows

carrier landing practice to continue at NALF Fentress. These protected lands, which include working agricultural lands, also add to a "greenbelt" and are important for the regional watershed.

To further enhance the efforts of this project, NAS Oceana has been working with the local governments and the state of Virginia to develop a comprehensive plan for the inter-traffic area. Not only do the partners plan and coordinate easement acquisition but the local governments have also adopted zoning recommendations to sustain mission compatibility.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves working lands and local character
- Supports existing regional planning efforts, including the development of a Joint Land Use Study

### MILITARY

- Protects off-installation maneuver and night flying training capacity that generates significant noise
- Reduces lost training days and the need for workarounds that limit training realism or effectiveness
- Improves operational safety
- Provides for multi-Service missions



An F/A-18 Hornet performs a touch-and-go landing at NAS Oceana (top). F-14 Tomcats flying in support of the mission in Iraq (bottom).

## KEY PARTNERS

- City of Chesapeake
- City of Virginia Beach
- Hampton Roads Planning District Commission

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**2,603**
- » Transactions conducted:  
**45**
- » Total funds expended:  
**\$40.0 million**
- » Project status:  
**In Progress**

## CONTACT

Community Plans and Liaison Office  
(757) 433-2577



U.S. NAVY :

# NAS PENSACOLA : FLORIDA



**N**aval Air Station (NAS) Pensacola is the initial training base for all Navy, Marine Corps, and Coast Guard aviators and Naval Flight Officers. It is also the advanced training location for most Naval Flight Officers and home of the famous Blue Angels demonstration squadron. This “Cradle of Naval Aviation” sits along the Gulf Coast, providing access to overwater ranges. But its location just southwest of Pensacola city limits also leaves it susceptible to expanding urban growth.



As one of the earliest REPI projects, NAS Pensacola partnered with Escambia County for the Navy’s first transaction using the REPI authority. The county acquired a plantation adjacent to the installation’s airfield, with the Navy receiving a restrictive easement to permanently prevent incompatible land uses. The plantation is within the airfield

accident potential zone, where planned residential development would have severely impacted NAS Pensacola’s important aviator training mission.

This project highlights the partnership’s concerted coordinated planning efforts, while the preservation of the plantation meets the goals of a Joint Land Use Study among the county, air station, and the county’s comprehensive plan. The county also passed an Airfield Environs Overlay ordinance to ensure that any future development applications are reviewed for compatibility with NAS Pensacola’s safety zones and buffers. The buffered land can now be used for public recreation and open space, benefiting the military and public alike.

## BENEFIT SUMMARY

### COMMUNITY

- Brings together new partners to coordinate with existing regional planning efforts, including a Joint Land Use Study
- Maintains local character
- Provides recreational opportunities

### MILITARY

- Preserves maneuver, helicopter, and night flying training that produces significant noise or requires minimal light pollution
- Prevents workarounds that would have otherwise limited training capacity
- Reduces lost training days



The Blue Angels demonstration squadron performs a maneuver over NAS Pensacola (top). In 2010, the air station deployed a pollution response unit to protect the environmentally sensitive grass beds from the Deepwater Horizon oil spill (bottom).

## KEY PARTNERS

- Escambia County

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**48**
- » Transactions conducted:  
**1**
- » Total funds expended:  
**\$1.3 million**
- » Project status:  
**In Progress**

## CONTACT

Community Plans & Liaison Officer  
(850) 452-8715



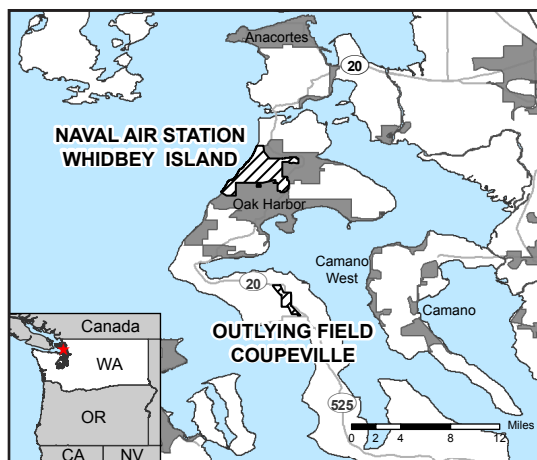
U.S. NAVY :

# NAS WHIDBEY ISLAND : WASHINGTON

## WITH OLF COUPEVILLE



**H**ome 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



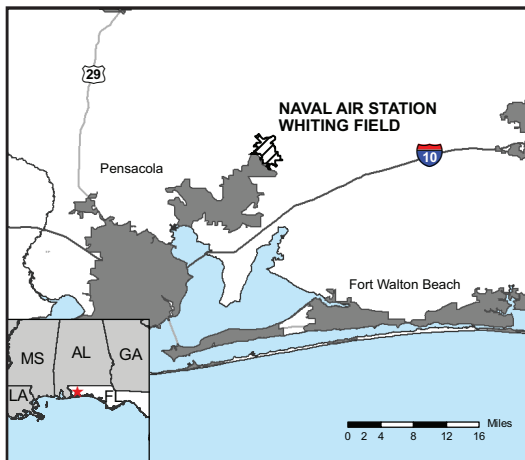


U.S. NAVY :

# NAS WHITING FIELD : FLORIDA



**P**art of a strong military presence in Florida's Northwest Panhandle, Naval Air Station (NAS) Whiting Field's mission is to train nearly 2,000 students annually to safely fly helicopters and airplanes. The air station provides all helicopter pilot training for the Navy, Marine Corps, and Coast Guard and 60% of all primary pilot fixed-wing training. At the North and South Fields, which are being directly buffered through REPI efforts, more than 400 flights are launched a day with an aircraft taking off or landing every eight seconds during



normal flight operations.

A majority of the land surrounding NAS Whiting Field is used for agriculture, forestry, or other open spaces, which are all compatible with the installation's operational integrity. Strong support from Santa Rosa County, the state of Florida, and The Nature Conservancy led to the acquisition of protective easements within

designated high-priority Accident Potential Zones and high-noise areas extending directly from the runways.

REPI easements help shield the air station from noise complaints and ease community safety concerns, while also protecting working lands and boosting the local economy. The military presence in Santa Rosa County provides an additional 15,000 direct and indirect jobs and a total economic impact of approximately \$856 million. Additionally, recent acquisitions will be used for off-road recreation, with a long-term aim of connecting over nine miles of public non-motorized paved trails. Parts of the land will also provide valuable habitat for a number of rare species.

## BENEFIT SUMMARY

### COMMUNITY

- Brings together new partners to coordinate with existing regional planning efforts, including a Joint Land Use Study
- Preserves working lands, local character, and recreational opportunities

### MILITARY

- Protects off-installation air operations, helicopter, and night flying capability that generates noise or requires minimal light pollution
- Prevents lost training days and reduces the need for less-realistic workarounds
- Provides for future mission growth



Helicopter training at NAS Whiting Field (bottom) is ideally situated for the Navy's offshore missions (top).

## KEY PARTNERS

- Florida Department of Environmental Protection
- Florida Office of Greenways and Trails
- The Nature Conservancy
- Santa Rosa County

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**6,223**
- » Transactions conducted:  
**63**
- » Total funds expended:  
**\$23.6 million**
- » Project status:  
**In Progress**

## CONTACT

Community Plans & Liaison Officer  
(850) 665-9941

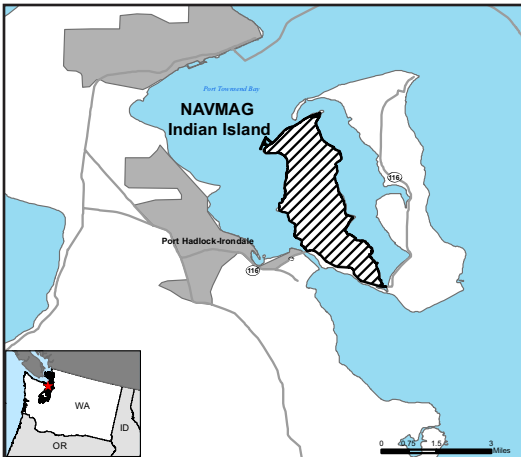


U.S. NAVY :

# NAVMAG INDIAN ISLAND : WASHINGTON



**N**aval 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

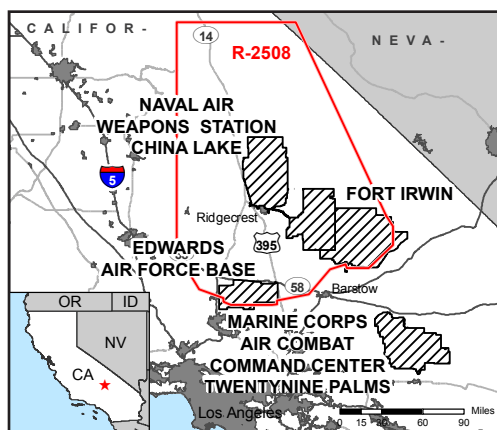


U.S. NAVY :

# NAWS CHINA LAKE : CALIFORNIA WITH R-2508 COMPLEX



**T**he R-2508 Complex in the upper Mojave Desert is the largest single area of overland special use airspace in the United States. A key national military asset, the complex consists of multiple flight corridors, including high and low-level supersonic flight corridors, low altitude high speed maneuver areas, and weapons ranges. The restricted airspace is critical for Naval Air Weapons Station (NAWS) China Lake and Edwards Air Force Base (AFB), which are working together to protect targeted land underneath the complex. NAWS China Lake is the



Navy's largest single landholding, vital for weapons and armaments research, development, test and evaluation. Edwards AFB is home to the Air Force Flight Test Center.

This REPI project helps protect diverse environments with varied terrain, a desert climate, and relative remoteness essential for realistic military training and weapons

research and development. However, residential development and renewable energy projects are becoming more prevalent in the Mojave region. Residential uses cause conflicts with noise generated by aircraft, especially sonic booms, while wind towers present height conflicts and cause radar turbulence and interference.

Restrictive easements on land underneath the R-2508 airspace avoid these incompatible uses and also help sustain habitat for the threatened desert tortoise. Preserving these lands protects operational safety for the military's important test mission, especially for less stable unmanned aerial systems. The R-2508 REPI project also takes a regional approach to sustaining habitat as part of ongoing coordinated planning efforts among DoD, other federal agencies, and the state.

## BENEFIT SUMMARY

### COMMUNITY

- Protects working lands that benefit the economy
- Provides habitat for notable species
- Provides recreational benefits for area residents

### MILITARY

- Preserves maneuver training capacity through the buffering of high-noise areas
- Reduces electromagnetic interference
- Provides for future mission growth and supports the ability to test and train for multiple Service missions



The weapons test ranges at the R-2508 Complex includes test of missiles (top), and other new technologies, including micro air vehicles (bottom).

## KEY PARTNERS

- California Department of State Parks and Recreation
- Conservation Resources
- National Audubon Society
- State of California
- The Nature Conservancy
- Transition Habitat Conservancy

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**24,147**
- » Transactions conducted:  
**53**
- » Total funds expended:  
**\$18.6 million**
- » Project status:  
**In Progress**

## CONTACT

Community Plans & Liaison Officer  
(760) 939-9438





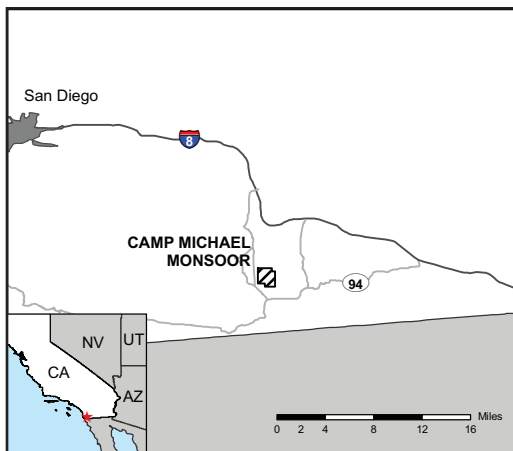
U.S. NAVY :

# NB CORONADO : CALIFORNIA

WITH CAMP MICHAEL MONSOOR



**M**ountain Warfare Training Camp Michael Monsoor at La Posta is associated with the Naval Base Coronado complex and lies 50 miles east of San Diego in the rugged Laguna mountains. Also adjacent to the Cleveland National Forest, the facility provides an ideal realistic training platform to support crucial Naval Special Warfare training.



Initiated by a Memorandum of Agreement between the state of California and the Department of Defense in 2004, partner easements help preserve the mountainous terrain and relatively isolated nature of the facility. As one of the few areas where Special Forces can train in a real-life scenario with limited interference, preventing incompatible development is vital

to avoiding increased light sources and noise complaints that could affect training. This environment is similar to relevant foreign geographies and keeping nearby lands undeveloped helps ensure the military's continued ability to undertake reconnaissance, map, compass, and other special warfare training.

The Naval Base Coronado project also preserves habitat for a nearby wildlife corridor, which can support the endangered Quino checkerspot butterfly, and may involve a local utility to ensure future energy infrastructure is compatible with training requirements. This REPI partnership helps ensure that encroachment problems do not impact this key training facility in the future.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves working lands and local character
- Supports a green corridor that allows animals to travel between habitats
- Supports regional planning objectives
- Provides recreational opportunities

### MILITARY

- Preserves live-fire, maneuver, helicopter, and night flying capability that produces significant noise or requires minimal light pollution
- Improves operational safety
- Prevents lost training days and workarounds that would reduce training realism or effectiveness
- Prevents electromagnetic interference



Navy SEALs spend two weeks training in special warfare at Camp Michael Monsoor before earning their qualification (top and bottom).

## KEY PARTNERS

- Back Country Land Trust
- San Diego Gas and Electric
- State of California
- The Nature Conservancy
- The Trust for Public Land
- U.S. Fish and Wildlife Service

## 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 and Liaison Office  
(619) 627-4028

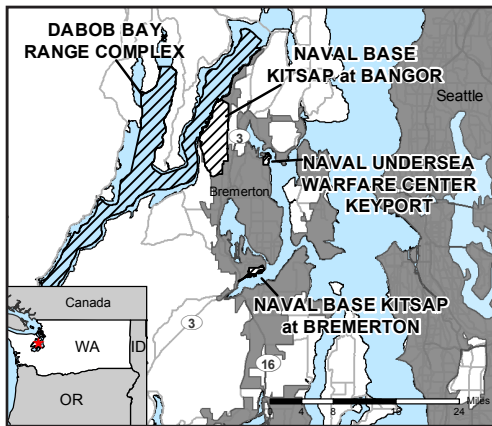


U.S. NAVY :

## NB KITSAP : WASHINGTON



**T**he 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



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

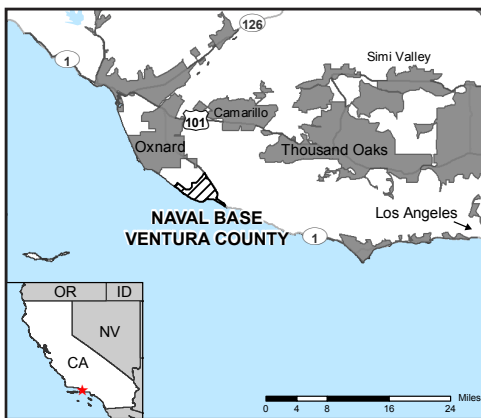


U.S. NAVY :

# NB VENTURA COUNTY : CALIFORNIA



**N**aval Base (NB) Ventura County is an important home to research, development, test and evaluation initiatives of the Naval Air Warfare Center Weapons Division. The base is located adjacent to the 36,000 square mile Sea Range, a uniquely vital resource providing a maritime test environment unavailable elsewhere in the Navy. Point Mugu, in particular, is a key launch and recovery point for new weapons systems, such as the F/A-18 Super Hornet and likely the F-35 Joint Strike Fighter, when aviators test aircraft weapons and electronic warfare systems at the Sea Range.



This REPI project is a part of an effort to protect Ormond Beach, which is considered by wetlands experts to be the most important wetland restoration opportunity in southern California. Urban development in this area could force additional mission workarounds and restrictive noise abatement procedures for test, training, and operations. Buffers for NB Ventura

County also allow partners to modify the site's hydrology to restore tidal action and bring back freshwater flows. When combined with adjacent freshwater wetlands and the Mugu Lagoon, this REPI project could be part of the largest coastal wetland in southern California.

Easements will also provide economic incentives for farmers to continue their agricultural businesses, at a time when market factors could force them to sell their land to developers. Keeping the land compatible with Navy test and training benefits overall national military readiness while supporting the local economy and sustained health and safety for the public and the environment.

## BENEFIT SUMMARY

### COMMUNITY

- Protects working lands and local character that benefit the economy
- Provides habitat for notable species
- Provides recreational benefits for area residents

### MILITARY

- Preserves maneuver training capacity through the buffering of high-noise areas
- Reduces electromagnetic interference
- Provides for future mission growth and supports the ability to test and train for multiple Service missions



A F/A-18 Super Hornet flies over the Sea Range and NB Ventura County (top). Mugu Lagoon is potentially the largest coastal wetland in southern California (bottom).

## KEY PARTNERS

- California State Coastal Conservancy
- City of Oxnard
- Santa Monica Mountains Conservancy
- Santa Monica Mountains Recreation and Conservation Authority
- The Nature Conservancy
- The Trust for Public Land
- Ventura County

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**33**
- » Transactions conducted:  
**2**
- » Total funds expended:  
**\$2.7 million**
- » Project status:  
**In Progress**

## CONTACT

Community Plans & Liaison Officer  
(805) 989-9752





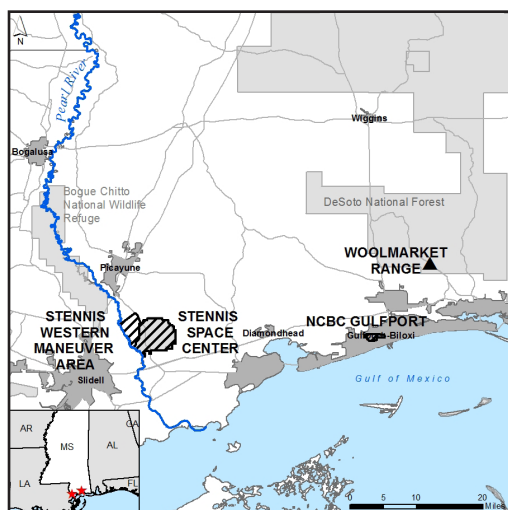
U.S. NAVY :

# NCBC GULFPORT : MISSISSIPPI

WITH STENNIS WESTERN MANEUVER AREA



**N**aval Construction Battalion Center (NCBC) Gulfport is the industrial complex home of the Atlantic Fleet Seabees, which are the Navy's construction battalions. Also associated with NCBC Gulfport is Woolmarket Range, where Seabees can practice rifle and handgun marksmanship. Located some 40 miles east of NCBC Gulfport is one of DoD's relatively new range areas, the Stennis Western Maneuver Area (WMA). Located adjacent to NASA's Stennis Space Center, Stennis WMA provides riverine training for Navy Special Forces in a jungle



training environment. There is no other live-fire range in similar habitat for Navy Special Forces.

The unique type of training at Stennis WMA requires a specifically tailored approach to preventing incompatible development. Lands protected by the Mississippi Land Trust provide the necessary buffers to reduce accident potential and decrease riverine traffic, while also expanding the live-fire

training options at Stennis WMA. Meanwhile, at the main installation, buffers will prevent development north of Gulfport in areas subject to noise from engineering and construction training, field exercises, and land navigation activities.

The buffers protected by NCBC Gulfport's REPI project also provide opportunities for the Navy's partners to restore native bottomland hardwood forests and upland longleaf pine forests. Long-term management of these habitats will support three threatened species, the ringed map turtle, gulf sturgeon, and the western range populations of the gopher tortoise.

## BENEFIT SUMMARY

### COMMUNITY

- Provides habitat for threatened species
- Protects water resources
- Brings together new partners

### MILITARY

- Protects live-fire and maneuver training, including air operations
- Improves operational security and reduces trespassing on military lands
- Provides for future mission growth



Members of Special Boat Team-22 and other Navy Special Forces and military units from other nations use the riverine training environment at the Stennis Western Maneuver Area (top). The surrounding habitat is also home to threatened species like the ringed map turtle (bottom).

## KEY PARTNERS

- Mississippi Fish and Wildlife Foundation
- Mississippi Land Trust
- State of Mississippi
- The Trust for Public Land
- U.S. Fish and Wildlife Service
- Wildlife Mississippi

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**0**
- » Transactions conducted:  
**0**
- » Total funds expended:  
**\$9.5 thousand**
- » Project status:  
**Initiated**

## CONTACT

Community Planning and Liaison Office  
(228) 871-2157



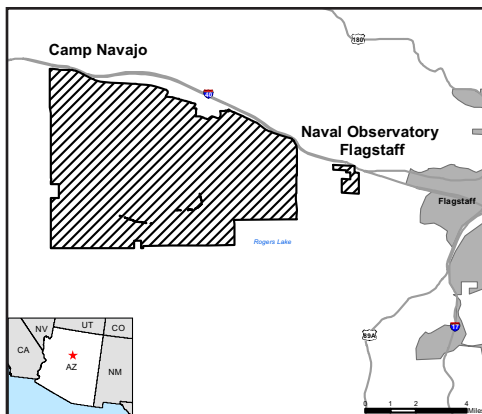
U.S. NAVY :

# NO FLAGSTAFF : ARIZONA



**N**aval Observatory (NO) Flagstaff is the national dark-sky observatory site for the Department of Defense, located in an area of north-central Arizona with the ideal geographic, climatic, and atmospheric conditions for scientific observation and research of the night sky. This observation and research forms the basis of star catalogs and orientation of space systems. NO Flagstaff is also where the Precise Time and Time Intervals used across the DoD are maintained.

Many local government entities promote lighting codes to protect dark night skies in the region in support of the mission at NO Flagstaff, but there continue to be multiple encroachment threats. These threats include residential and commercial incompatible



development, which can still increase light pollution, and smoke from wood burning fireplaces that obstructs clear skies required for sensitive telescopes. The Navy is also seeking easements that require a prescribed fire regime on forest lands to reduce the risk of catastrophic wildfire while also benefiting a healthy native ecosystem.

In addition to protecting the observatory's mission, the NO Flagstaff REPI partnership also supports the mission at Camp Navajo, located a few short miles down the road. Limiting incompatible development protects Camp Navajo's high altitude readiness training from additional lights and noise complaints and safeguards the installation from the risk of trespass into storage areas for munitions and Strategic Arms Reduction Treaty compliant materials. This REPI project also has significant community and environmental benefits, providing habitat for the threatened Mexican spotted owl and protecting water recharge supply for DoD and local communities.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves forest lands
- Protects habitat for notable species
- Provides water supply and recharge protection for the community

### MILITARY

- Provides unique location and conditions for scientific observation and research of the night sky
- Supports military operations at nearby Camp Navajo



A night sky clear of smoke and lights allows Naval Observatory Flagstaff to conduct scientific observation and research for reference frames for celestial navigation and orientation (top). Protected lands in this area also supports buffers for training at Camp Navajo that causes noise and dust (bottom).

## KEY PARTNERS

- Arizona Department of Game and Fish
- Arizona State Forestry Department
- City of Flagstaff
- Coconino County
- Compatible Lands Foundation
- Northern Arizona University
- U.S. Fish and Wildlife Service

## 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  
(760) 339-2224

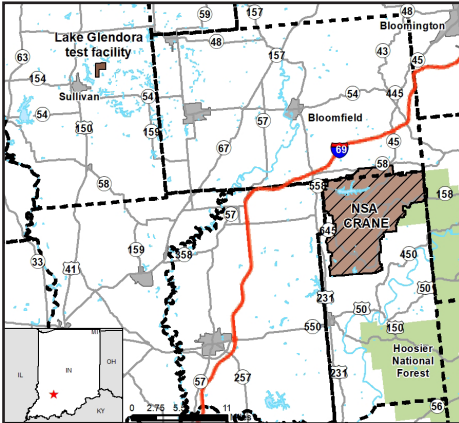


U.S. NAVY :

# NSA CRANE : INDIANA



**N**aval Support Activity (NSA) Crane is located in southwestern Indiana and covers more than 97 square miles of forested, hilly terrain. NSA Crane's 460 acre Lake Glendora Test Facility (LGTF) is located 45 miles northwest of the NSA Crane main site. NSA Crane hosts over a dozen tenants including the Naval Surface Warfare Center (NSWC) Crane Division's Strategic,



Expeditionary and Electronic Warfare engineering and technical support missions and Crane Army Ammunition Activity's (CAAA) ordnance storage, distribution, demilitarization, and production missions.

A new interstate highway and pressures for economic growth increase the likelihood of incompatible commercial and residential development,

as well as population growth in the vicinity of NSA Crane Main Site and LGTF.

Given current land uses in the vicinity that are preponderantly agriculture, forest and grasslands, benefits of this project would include addressing potential encroachment concerns before they have substantial impacts to the NSA Crane Main Site and LGTF missions while at the same time benefitting partners who have as their mission conservation of agricultural lands, forest lands and grasslands. A number of partner collaborative activities provide the structure to contribute to the success of the project, including completion of a joint land use study in 2017, establishment of a Post-JLUS Implementation Committee in 2018 (The White River Military Coordination Alliance) and a Multi-year encroachment partnering agreement also established in 2018. In addition, the partners and stakeholders have developed a Conservation Incentive Web Tool and Communications plan to support the objectives of this project.

## BENEFIT SUMMARY

### COMMUNITY

- Protects agricultural lands
- Protects natural lands
- Preserves habitat for threatened, endangered, & at-risk species
- Preserves water quality and protects water supply

### MILITARY

- Protects small arms & ordnance testing and demilitarization missions that produce significant amounts of noise and vibration
- Prevents workarounds that would reduce test capacity
- Allows for future mission growth



Working and natural land buffers protect NSA Crane Engineering & Technical support missions (top) & Ordnance logistics & demilitarization missions (bottom) from negative impacts of traffic congestion and noise and vibration complaints.

## KEY PARTNERS

- State of Indiana Office of Defense Development
- State of Indiana Office of Community and Rural Affairs
- The Nature Conservancy
- The George Rogers Clark Land Trust
- USDA – Natural Resources Conservation Service
- White River Military Coordination Alliance

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**0**
- » Transactions conducted:  
**0**
- » Total funds expended:  
**\$0**
- » Project status:  
**Initiated**

## CONTACT

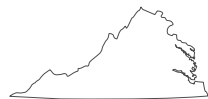
NSA Crane Community Plans and Liaison Office  
(812) 854-6997



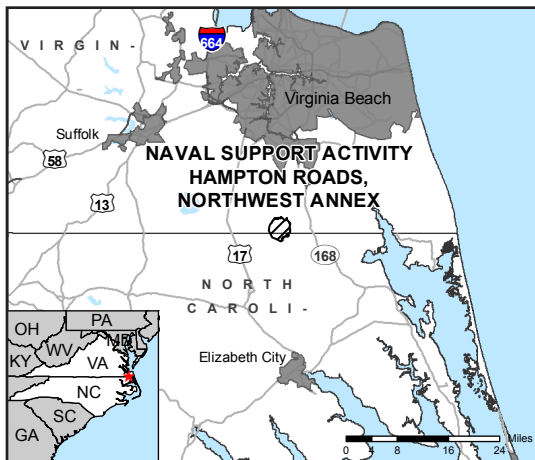


U.S. NAVY :

## NSA HAMPTON ROADS, NORTHWEST ANNEX : VIRGINIA



**N**aval Support Activity (NSA) Hampton Roads, Northwest Annex's mission focuses on cryptologic information support to the Navy, Coast Guard, and Department of Homeland Security. Its primary assets include sensitive communications facilities, training ranges, and support facilities, including the Relocatable Over-the-Horizon Radar (ROTHR) system. The ROTHR system's mission is to detect and monitor drug trafficking aircraft and ships, which is important for the National Drug Control Strategy. It is the only wide area surveillance asset in



the Caribbean basin and South America, with the ability to cover more than 10 million square miles north to south from Florida to Bolivia, and east to west from Brazil to the Galapagos Islands.

Located in the greater Norfolk region, NSA Hampton Roads, Northwest Annex is exposed to electromagnetic interference (EMI) that can severely impact

ROTHR's operation. EMI inhibits the system's ability to process accurate signals by increasing the background "noise" and potentially masking targets that may go undetected. To protect the ROTHR capability, the city of Chesapeake is working with the Navy to purchase restrictive easements for land within EMI restriction zones to prevent development that would produce EMI disturbances.

In addition to protecting the ROTHR system, which cannot be replicated elsewhere to meet the current mission, this REPI project preserves important ecosystems and lands that provide conservation corridors. The land can remain as open space or agriculture, enhancing area watersheds, while the Navy can continue collecting and disseminating tactically significant air and surface tracking data.

### BENEFIT SUMMARY

#### COMMUNITY

- Supports existing regional planning efforts
- Protects working lands
- Protects habitat for notable species

#### MILITARY

- Reduces electromagnetic interference



NSA Hampton Roads, Northwest Annex also conducts simulated visit, board, search and seizure training courses, which include rappelling and container search maneuvers (top) and non-compliant vessel boarding exercises (bottom).

### KEY PARTNERS

- Camden County
- City of Chesapeake
- Currituck County

### FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**682**
- » Transactions conducted:  
**2**
- » Total funds expended:  
**\$3.9 million**
- » Project status:  
**In Progress**

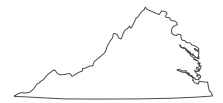
### CONTACT

Community Plans & Liaison Officer  
(757) 836-1837

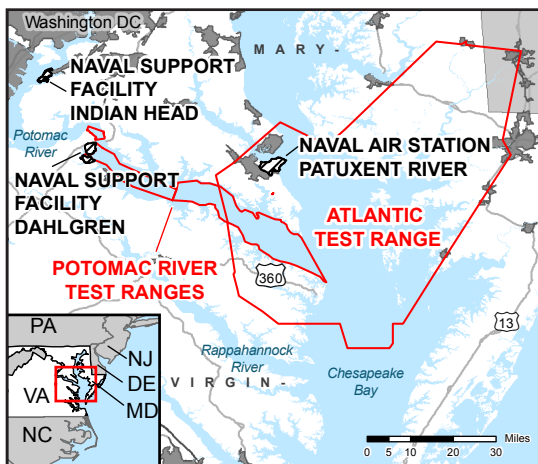


U.S. NAVY :

# NSF DAHLGREN : VIRGINIA



**N**aval Support Facility (NSF) Dahlgren supports the research, development, test, and evaluation (RDT&E) activities of the Naval Surface Warfare Center Dahlgren Division for large-caliber weapons—including the Electromagnetic Rail Gun—and explosive detonations. NSF Dahlgren is located on the Potomac River 50 miles south of Washington D.C. in Virginia, allowing for use of the Potomac River Test Range, the nation’s largest fully instrumented over-water gun-firing range. Here the Navy fires every type of gun in



use and being developed for Navy ships. The sound and shock waves travel up and down the river and impacts residents of Maryland and Virginia alike.

To prevent incompatible development and protect NSF Dahlgren’s RDT&E mission, the Navy is working with a number of partners to preserve land on both banks of the Potomac River and

up to several miles inland. In some cases the partner may acquire the land in fee, but in all cases the Navy will acquire restrictive easements. These easements will remove the development rights on agricultural and forested lands.

Much of the land targeted for protection is already adjacent to public lands that cannot be developed. Protecting these private lands helps secure the isolation of NSF Dahlgren’s mission activities, reducing potential complaints related to noise and shock waves. Additionally, this project advances stream protection initiatives and supports goals for preserving habitat and species throughout the Chesapeake Bay ecosystem, while also protecting the viewshed from the adjacent George Washington Birthplace National Monument.

## BENEFIT SUMMARY

### COMMUNITY

- Protects working farm lands
- Preserves habitat for threatened, endangered, and at-risk species
- Preserves water quality and protects water supply
- Protects cultural resources

### MILITARY

- Protects live-fire testing that produces significant amounts of noise and vibration
- Prevents workarounds that would reduce test and training capacity
- Allows for future mission growth



Research, development, test, and evaluation activities include the testing of unmanned aerial vehicles (top), as well as electromagnetic railgun, a long-range weapon that fires projectiles using electricity (bottom).

## KEY PARTNERS

- Maryland Agricultural Land Preservation Foundation
- Maryland Department of Natural Resources
- Northern Neck Land Conservancy
- St. Mary’s County
- State of Delaware
- The Conservation Fund
- The Nature Conservancy
- The Trust for Public Land
- Tidewater Land Trust
- Virginia Department of Game and Inland Fisheries
- Virginia Outdoors Foundation

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**1,171**
- » Transactions conducted:  
**5**
- » Total funds expended:  
**\$9.8 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(540) 653-8153



U.S. NAVY :

# NSF INDIAN HEAD : MARYLAND



**N**aval Support Facility (NSF) Indian Head supports the research, development, test, and evaluation (RDT&E) activities of the Naval Surface Warfare Center Indian Head Division. Its mission is to provide RDT&E of energetics and energetics material for warheads, propulsion systems, and ordnance. NSF Indian Head is located on the Potomac River approximately 20 miles south of Washington, D.C. on the Maryland side of the river, allowing for outdoor explosives testing over water. Although such testing occurs away from the main D.C. population



centers, the sound waves travel up and down the river and impacts residents of Maryland and Virginia alike.

To prevent incompatible development and protect NSF Indian Head's RDT&E mission, the Navy is working with a number of partners to preserve land on both banks of the Potomac River and up to several miles

inland. In some cases the partner may acquire the land in fee, but in all cases the Navy will acquire restrictive easements. These easements will remove the development rights on agricultural and forested lands.

Much of the land targeted for protection is already adjacent to public lands that cannot be developed. Preventing development on these private lands would help secure the isolation of NSF Indian Head and its mission activities, reducing the potential for complaints related to noise and shock waves from explosives and demolitions. Additionally, increasing protected lands in this area supports stream protection initiatives and supports goals for preserving habitat and species throughout the Chesapeake Bay ecosystem.

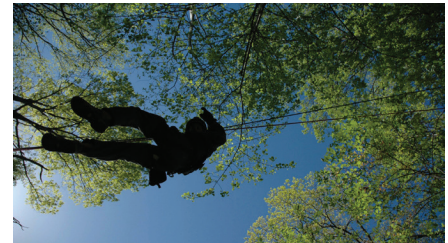
## BENEFIT SUMMARY

### COMMUNITY

- Protects working farm lands
- Preserves habitat for threatened, endangered, and at-risk species
- Protects water quality and water supply

### MILITARY

- Protects live-fire testing that produces significant amounts of noise and vibration
- Prevents workarounds that would reduce test and training capacity
- Improves operational safety



A technician practices a rope rescue exercise (top). Some research, development, test, and evaluation activities include detonating an improvised explosive device to develop better ways of combating them in the field (bottom).

## KEY PARTNERS

- Charles County
- Conservancy for Charles County
- Maryland Agricultural Land Preservation Foundation
- Maryland Department of Natural Resources
- Northern Neck Land Conservancy
- The Conservation Fund
- St. Mary's County, Maryland
- State of Delaware
- Patuxent Tidewater Land Trust, Inc.
- The Nature Conservancy
- Trust for Public Land
- Virginia Department of Game and Inland Fisheries
- Virginia Outdoors Foundation

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**294**
- » Transactions conducted:  
**2**
- » Total funds expended:  
**\$1.1 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(540) 653-8153



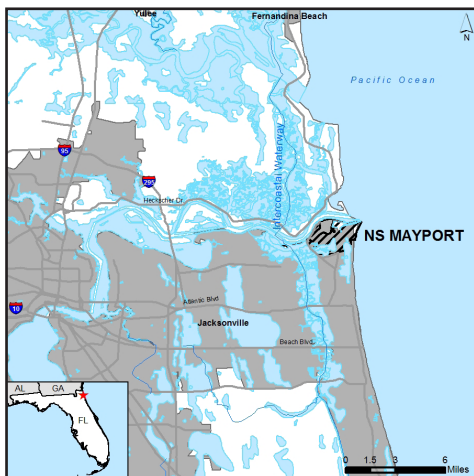


U.S. NAVY :

# NS MAYPORT : FLORIDA



**N**aval Station (NS) Mayport is strategically located at the confluence of the St. Johns River and Atlantic Ocean. The installation is the headquarters of the U.S. Fourth Fleet, and the primary support, maintenance, and training for Naval, Marine Corps, and Coast Guard operations in the Southeast. In addition to operating over 84,000 annual sorties and 2,100 annual ship movements, the installation serves as the primary emergency support installation for offshore amphibious and air operations in northeastern Florida. Home to over 11,000 active



duty, reserve, and civilian personnel, NS Mayport is also being considered to host additional future intelligence and reconnaissance missions that would create more jobs and increase the installation's local economic impact.

In order to protect NS Mayport's current and future capabilities, the City of Jacksonville, Florida Department of Environmental Protection and Preservation Law Group, Inc. are

working together with the installation to place restrictive easements on critical pieces of St. Johns River waterfront that abut NS Mayport's high noise and Accident Potential Zones. These protections will allow additional small commercial and recreational development along the river while preventing incompatible development, like proposed high-density residential communities, which may restrict operations. By doing so, the REPI partnership aims to preserve NS Mayport's critical role in ensuring national security, support future mission growth, and protect the installation's contribution to the billions of dollars of annual impact created by Naval installations in northeastern Florida.

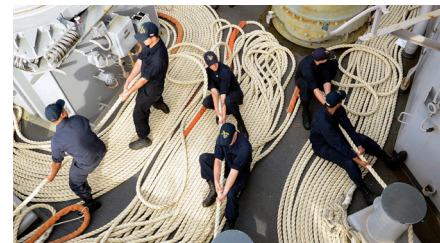
## BENEFIT SUMMARY

### COMMUNITY

- Mitigates safety issues by preventing potentially dangerous development adjacent to aircraft Accident Potential Zones
- Supports existing regional planning efforts
- Protects an important local economic driver and facilitates additional compatible commercial development

### MILITARY

- Protects Anti-Air, Anti-Surface, Anti-Submarine, and Electronic Combat Warfare training that produces significant amounts of noise
- Protects electromagnetic frequency spectrum for military testing, training, and operational use
- Protects future opportunities for mission growth



Sailors aboard the amphibious assault ship USS Iwo Jima (LHD 7) heave mooring lines during a sea-and-anchor detail at NS Mayport (top). USS Fort McHenry (LSD 43) docked at NS Mayport (bottom).

## KEY PARTNERS

- City of Jacksonville
- Florida Defense Alliance
- Florida Department of Environmental Protection
- Preservation Law Group, Inc.

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**16**
- » Transactions conducted:  
**11**
- » Total funds expended:  
**\$1.3 million**
- » Project status:  
**In Progress**

## CONTACT

Community Plans and Liaison Office  
(904) 542-3737



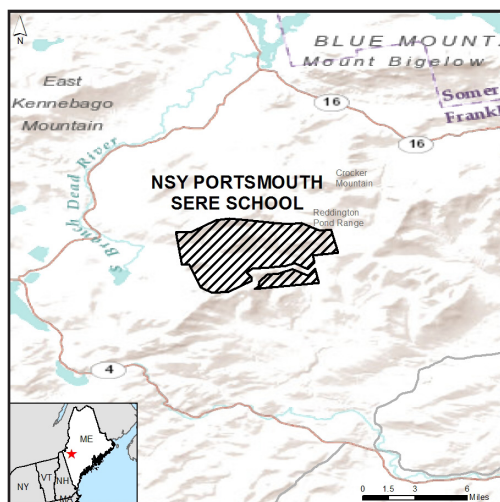


U.S. NAVY :

# NSY PORTSMOUTH SERE SCHOOL : MAINE



**T**he Survival, Evasion, Resistance, and Escape (SERE) School mission is to provide training to pilots, flight officers, intelligence officers, air crew, and other personnel deemed at high risk of capture. While classroom training is at Naval Shipyard (NSY) Portsmouth, the Navy's East Coast SERE School field training is located in Redington Township, Maine, where the remote environment and harsh climate are essential to the effective execution of its training mission. The training emphasizes the basic skills necessary for long-term land



survival; effective rescue methods; evasion of capture by hostile forces; resistance to interrogation, indoctrination, and exploitation; and escape from detention when held by enemy forces.

This type of training requires isolated wilderness to provide the most realistic and undisturbed training environment. Even minimal development can affect SERE training realism, and the Redington property

is already located next to three major ski resorts and snowmobiling trails, as well as commercial logging activities. Therefore, the Navy is working with the Trust for Public Land (TPL) to acquire conservation easements on large properties adjacent to the SERE School training land and protect the forested, mountainous habitat.

These properties represent a keystone in TPL's White Mountains to Moosehead Lake Initiative to protect a large unbroken corridor of climate-resilient forests across New Hampshire and Maine. Project partners will also work to develop sustainable forest management plans to benefit wildlife habitat management, improve timber harvesting practices, and ensure compatibility with SERE School operations.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves open space and habitat
- Supports a landscape-scale "green corridor" for wildlife
- Supports ongoing regional planning efforts

### MILITARY

- Protects the ability to perform sensitive training
- Improves operational security
- Preserves a realistic isolated training environment



SERE School field training at the Redington property in Maine (top) provides sailors with basic survival skills like starting a fire in harsh, remote environs (bottom).

## KEY PARTNERS

- High Peaks Alliance
- Mahoosuc Initiative
- Maine Audubon Society
- Mountain Conservancy Collaborative
- Trout Unlimited
- The Trust for Public Land
- U.S. Department of Agriculture-Natural Resources Conservation Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**10,735**
- » Transactions conducted:  
**2**
- » Total funds expended:  
**\$2.3 million**
- » Project status:  
**In Progress**

## CONTACT

Community Plans and Liaison Office  
(207) 438-4602



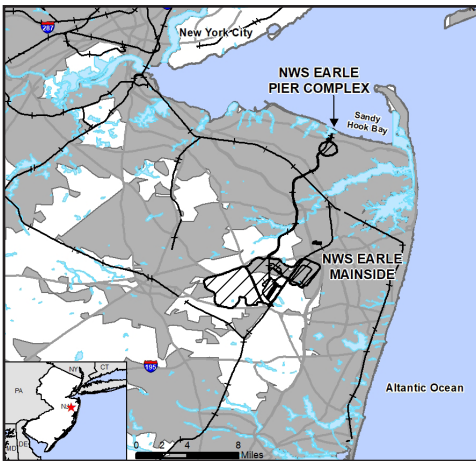
U.S. NAVY :

# NWS EARLE : NEW JERSEY



**N**aval Weapons Station Earle (NWSE), located in Monmouth County, New Jersey, houses the Navy's longest pier and largest explosive capacity, making it irreplaceable for the Navy's ammunition supply capabilities.

The installation's Mainside primarily serves as an ammunition staging area, supplying an average of 20 ammunition ship-loading evolutions per year, providing ordnance for all Atlantic Fleet Carrier and Expeditionary Strike Groups. Ammunition is transported from Mainside to the Pier Complex, which has three piers capable of berthing four 800-foot ships simultaneously. The Mainside area is also equipped with an explosives range that



is used weekly for explosive ordnance disposal proficiency training, as well as periodic joint trainings with the FBI and Transportation Security Administration.

Incompatible development poses three main threats to NWSE: safety and security along the ammunition transportation route from Mainside to the Pier Complex, crowding and safety concerns resulting from increased use of waters in close proximity to the Pier

Complex, and an increase in impervious surfaces leading to more severe flooding and potential damage during storm events. The Navy is working with Monmouth County to purchase easements to preserve farmland and wetlands, prevent incompatible land development, and protect the NWSE mission. By preserving local farmland and adding to already existing parks through the purchase of parcels, NWSE will be able to maintain operations security and decrease the potential risk to the public.

This project will also provide benefits to the local community and the environment by protecting the sensitive drinking water supply from over-withdrawal and salt intrusion, decreasing the likelihood of flooding by maintaining pervious surfaces, and enhancing storm water capacity across watersheds. Protecting natural resources is a priority for Monmouth Conservation Fund which will work with the County and Navy to connect purchased parcels to already existing protected areas.

## BENEFIT SUMMARY

### COMMUNITY

- Protected water supply
- Conserved farmlands
- Increase in recreational areas

### MILITARY

- Security along Normandy Road
- Decreased risk of public harm
- Decreased likelihood of flood damage

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



Constructed wetland green infrastructure project at NWS Earle to increase stormwater capacity (top). USS Iwo Jima loading ordnance before deployment (bottom).

## KEY PARTNERS

- Monmouth County
- Monmouth Conservation Fund

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**0**
- » Transactions conducted:  
**0**
- » Total funds expended:  
**\$0**
- » Project status:  
**Initiated**

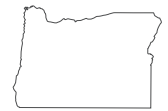
## CONTACT

Public Affairs Office  
(888) 743-4662



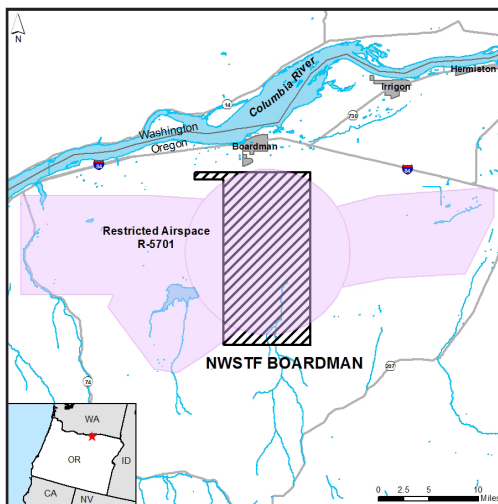
U.S. NAVY :

# NWSTF BOARDMAN : OREGON



**T**he 47,000-acre Naval Weapons Systems Training Facility (NWSTF) Boardman vital training range and its larger area of restricted airspace, military operations area, and military training routes are located amid open farmland just south of the Columbia River in Morrow County, Oregon.

This combination of land and airspace provides a strategically important venue for training with the EA-6B and EA-18G airborne electronic attack aircraft. With the



airspace extending vertically from the ground up, it is the only safe training area available for junior naval aviators from Naval Air Station Whidbey Island, Washington, to come train to fly low and fast with these aircraft.

However, development of tall structures, particularly wind turbines and transmission lines, under the restricted airspace presents a significant threat to the safety

and combat readiness of airborne electronic attack crews. Therefore, the Navy's goal is to protect working farmlands and ranches adjacent to NWSTF Boardman and under the restricted airspace from development to sustain the low altitude tactical training mission.

Additionally, lands in this area are bisected by the Oregon Trail, a valuable historic resource, and support habitat for the Washington ground squirrel, a candidate for listing under the Endangered Species Act. By providing habitat for the ground squirrel, this project can in turn help alleviate restrictions on ground training by the Oregon National Guard at NWSTF Boardman. Protecting existing agricultural land uses provides critical wildlife habitat, preserves significant cultural and historic resources, and protects the military training mission.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves open space and agricultural land
- Provides habitat for at-risk species
- Protects historic resources

### MILITARY

- Improves operational safety by reducing obstructions to low level flights
- Supports multiple Service missions



EA-6B and EA-18G aircraft from NAS Whidbey Island require unobstructed, flat terrain for low-altitude airborne electronic attack training (top). Wind energy turbines as tall as 500 feet present a significant threat to that training mission (bottom).

## KEY PARTNERS

- Northwest Rangeland Trust
- Trust for Public Lands
- U.S. Department of Agriculture-Natural Resources Conservation Service
- U.S. Fish and Wildlife Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**4,250**
- » Transactions conducted:  
**3**
- » Total funds expended:  
**\$7.9 million**
- » Project status:  
**In Progress**

## CONTACT

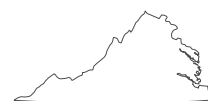
Regional Community Plans and Liaison Office  
(360) 396-0905



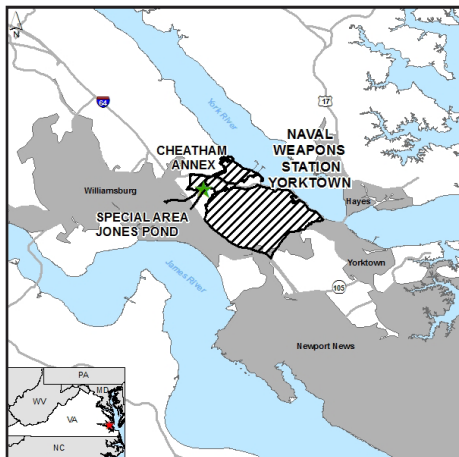


U.S. NAVY :

# NWS YORKTOWN : VIRGINIA



**L**ocated in the Hampton Roads region of Virginia, Naval Weapons Station (NWS) Yorktown includes the Special Areas at Cheatham Annex (Jones Pond), Camp Peary, and the New Kent County Relocatable Over the Horizon Radar (ROTHR). The station hosts sensitive training and operations by Naval Special Warfare Command forces that are essential to national security. Jones



Pond is pristine with minimal surrounding development, enabling 24-hour training capability and simulation not easily replicated within the Mid-Atlantic region. The location of the ROTHR transmitter site, roughly 30 miles north, is critical to current drug interdiction operations.

However, surrounding land is designated an Economic Opportunity Zone and the possibility of mixed-use development would negatively impact

NWS Yorktown's missions. Jones Pond offers a unique environment for Special Forces to conduct specialized training, often at night, which is incompatible with most land use development. Buffers will help mitigate noise-sensitive activities, preserve Camp Peary's isolation, and protect NWS Yorktown's Explosive Ordnance Disposal Range and ROTHR transmission capabilities.

NWS Yorktown is working with its partners to protect its training activities by acquiring restrictive easements on properties that have historic ties to the Civil and Revolutionary Wars, lands within the Chesapeake Bay Watershed, and areas proximate to existing National Park Service lands. The acquisitions will also maintain green corridors and buffer lands that border the Captain John Smith Chesapeake National Historic Trail, while ensuring the long term sustainability of the Navy's Special Warfare training missions.

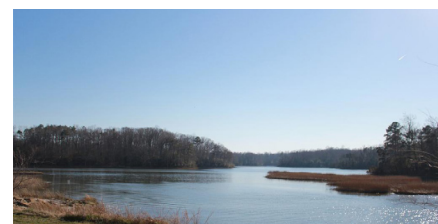
## BENEFIT SUMMARY

### COMMUNITY

- Preserves working lands and local character
- Protects cultural resources
- Supports a green corridor that allows wildlife to travel between habitats

### MILITARY

- Reduces lost training days and the need for workarounds that limit training realism or effectiveness
- Ensures the ability to conduct training or testing activities that generate noise
- Protects the ability to perform sensitive special operations training



The isolated and pristine environments of NWS Yorktown and its associated Special Areas are perfect for Navy Special Forces training (top). Many surrounding lands have historical and cultural importance, similar to the Lee House on NWS Yorktown (bottom).

## KEY PARTNERS

- Civil War Trust
- James City County
- National Park Service
- The Trust for Public Land
- Williamsburg Land Conservancy and Battlefield Trust

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**403**
- » Transactions conducted:  
**1**
- » Total funds expended:  
**\$3.3 million**
- » Project status:  
**In Progress**

## CONTACT

Community Planning & Liaison Officer  
(757) 887-4477

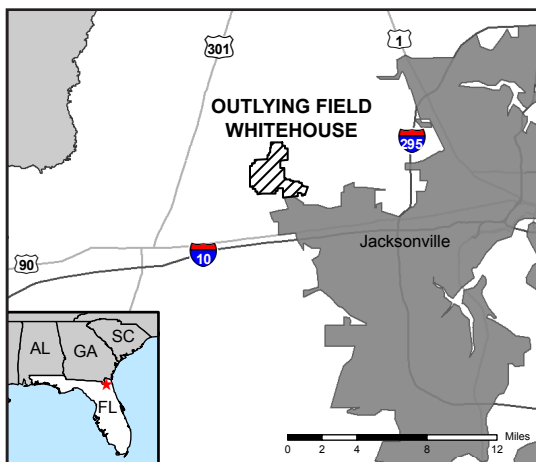


U.S. NAVY :

# OLF WHITEHOUSE : FLORIDA



**O**utlying Field (OLF) Whitehouse is a critical asset for Navy air training prior to carrier deployment, serving Naval Air Station Jacksonville, as well as visiting units from other installations in the region. OLF Whitehouse provides the necessary dark-night environment that simulates at-sea carrier landings, allowing air crews to replicate the exact landing patterns used on the carrier. Its close proximity to oceanic carrier-operating areas reduces transit time and operating costs for fixed-wing jet, helicopter, and special warfare training.



The Navy has been unable to replicate the important training capabilities provided by OLF Whitehouse anywhere else along the East Coast. However, incompatible residential development from the city of Jacksonville threatens to alter training realism and impact flight routes and landing patterns.

Therefore the Navy is working

with the city to protect this valuable asset and the environmentally sensitive lands that surround the outlying field.

Easements—including a donation from the city of Jacksonville—on lands within and next to high noise contours and safety zones are preserving working lands that also provide habitat for notable species and recreational opportunities. Many of the parcels fall within a greenway that includes wetlands and land suitable for longleaf pine habitat that supports species like the gopher tortoise. The easements not only provide an ecological benefit, but also prevent incompatible land uses, ensure a dark-night sky, and prevent conflicts with neighbors from training noise.

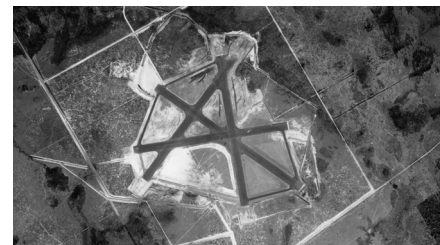
## BENEFIT SUMMARY

### COMMUNITY

- Protects working lands that benefit the economy
- Provides habitat for notable species
- Provides recreational benefits for area residents

### MILITARY

- Preserves maneuver, helicopter, and night flying training that produces significant noise or requires minimal light pollution
- Prevents workarounds that would have otherwise limited training capacity



A historical 1944 aerial (top) of OLF Whitehouse demonstrates the numerous runways (bottom) that are a vital and unique asset today.

## KEY PARTNERS

- City of Jacksonville
- Florida Defense Alliance
- Florida Department of Environmental Protection
- Preservation Law Group
- State of Florida Division of State Lands
- The Nature Conservancy

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**2,993**
- » Transactions conducted:  
**23**
- » Total funds expended:  
**\$21.7 million**
- » Project status:  
**In Progress**

## CONTACT

Community Plans & Liaison Officer  
(904) 542-3737



U.S. NAVY :

# PACIFIC MISSILE RANGE FACILITY BARKING SANDS : HAWAII



**T**he U.S. Navy's Pacific Missile Range Facility (PMRF), located along the west coast of Kaua'i Island, is the world's largest instrumented multi-environment range. PMRF provides premier training and test capabilities



within an 1,100-square nautical mile instrumented underwater range; 42,000 square nautical miles of airspace, and when needed, up to 2.1 million square nautical miles of operating space. PMRF is capable of simultaneously supporting surface, subsurface, air, and space operations. Portions of the 7-mile terrestrial footprint also provide premier training and test opportunities.

Infrastructure critical to ensuring test and training activities carried out at the installation are safe and effective (i.e. outdoor night lighting, communication towers, utility lines) can result in impacts to seabirds protected under the Endangered Species Act (ESA), such as the Newell's Shearwater.

In an effort to improve the ecological baseline for these protected seabirds, PMRF is working proactively with federal, state, nonprofit, and private conservation organizations to implement landscape-level predator control at an important breeding colony site within Kaua'i's remote Honopu Valley. The project will include placement of artificial burrows, monitoring of colony productivity, predator and invasive species removal, and a native plant restoration component to sustain a healthy ecosystem. The conservation benefits provided by the project will improve regulatory predictability and avoid future constraints to mission activities to help PMRF carry out its national defense mission. This unique project is part of a larger, multi-partner effort that leverages existing species recovery plans and an island-wide predator control program, and will contribute significantly to efforts to reverse currently declining population trends.



Aerial view of Pacific Missile Range Facility Barking Sands (top). Pacific Missile Range Facility is working with partners to establish predator-exclusion fencing around one of the last remaining breeding colonies for the 'A'o/Newell's Shearwater, 'Ua'u/Hawaiian Petrel, and 'Ake'ake/Band-rumped Storm-Petrel (bottom).

## KEY PARTNERS

- American Bird Conservancy
- City and County of Kauai
- Kauai Island Utilities Commission
- U.S. Fish and Wildlife Service-Kauai National Wildlife Refuge Complex
- U.S. Fish and Wildlife Service
- National Fish and Wildlife Foundation
- State of Hawaii Department of Land and Natural Resources Division of Forestry and Wildlife
- State of Hawaii Department of Land and Natural Resources Division of State Parks

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**0**
- » Transactions conducted:  
**0**
- » Total funds expended:  
**\$0**
- » Project status:  
**Initiated**

## CONTACT

Public Affairs Office  
(808) 335-4740

## BENEFIT SUMMARY

### COMMUNITY

- Protects threatened and endangered species
- Brings together new partners

### MILITARY

- Improves operational safety
- Prevents additional training restrictions and unrealistic workarounds





U.S. MARINE CORPS :

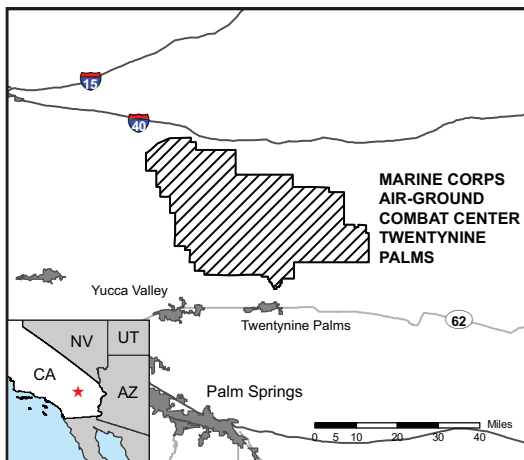
# MCAGCC TWENTYNINE PALMS : CALIFORNIA



**N**inety percent of U.S. Marines train in pre-deployment events at Marine Corps Air-Ground Combat Center (MCAGCC) 29 Palms, the Marine Corps' largest installation. Located in the Mojave Desert, the base provides vital training before deployment to desert combat areas. The culminating portions of training at 29 Palms cannot be replicated anywhere else in the U.S. because of its expansive desert environment and varied terrain. However, these training requirements, which also include new weapons systems and tactics, put

a strain on sensitive desert natural resources on-base.

Protecting habitat for the threatened desert tortoise and other species off the installation will help preserve quality training on the installation into the future. In partnership with the Mojave Desert Land Trust and The Trust for Public Land, 29 Palms helped protect land adjacent to the popular Joshua



Tree National Park. Together they are sustaining desert tortoise habitat and avoiding the creation of “off-limit” areas on-base that would disrupt and limit live-fire and maneuver training.

The land is part of a wildlife corridor extending down from Quail Mountain, the highest mountain in Joshua Tree National Park. Damaged habitat on the land is being repaired by the Mojave Desert Land Trust, improving its ecological value. Some of the land may be donated and incorporated into Joshua Tree National Park. Meanwhile, the vital mission at 29 Palms will be protected from environmental restrictions and residential development.

## BENEFIT SUMMARY

### COMMUNITY

- Supports existing regional planning efforts
- Provides habitat for threatened species
- Links with a wildlife corridor

### MILITARY

- Preserves on-installation live-fire, maneuver, and helicopter training capacity
- Reduces the need for less-realistic workarounds that would reduce training effectiveness
- Provides for future mission growth



MCAGCC 29 Palms' desert terrain provides an ideal pre-deployment training environment (top), including post-blast investigation of improvised explosive devices (IEDs, bottom).

## KEY PARTNERS

- California Department of Parks and Recreation
- Copper Mountain College
- Mojave Desert Land Trust
- National Park Service
- The Trust for Public Land

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**5,433**
- » Transactions conducted:  
**11**
- » Total funds expended:  
**\$8.1 million**
- » Project status:  
**In Progress**

## CONTACT

Community Plans and Liaison Office  
(760) 830-3765

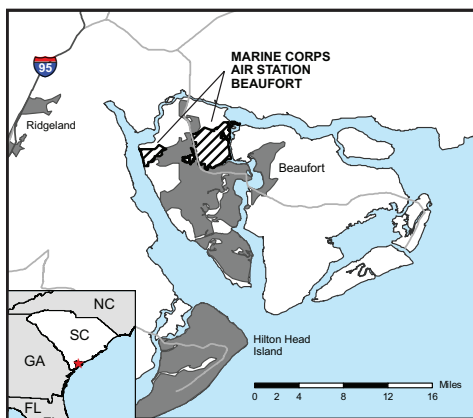


U.S. MARINE CORPS :

# MCAS BEAUFORT : SOUTH CAROLINA



**W**ith its land and water ranges supporting a valuable mix of scenarios for training military aviators, Marine Corps Air Station (MCAS) Beaufort sits strategically along the Atlantic Ocean. With the only East Coast Marine F/A-18 squadrons, the base relies on adequate land and air space to sustain its training capabilities. The base's mission will take on even more importance in the future given the planned stand-up of MCAS Beaufort as a Joint Strike Fighter Integrated Training Center.



MCAS Beaufort has partnered with Beaufort County and the Beaufort County Open Land Trust to ease significant encroachment pressures, particularly within the Air Installation Compatible Use Zone, which helps define noise and safety considerations around the installation. In addition to safeguarding the mission, such as by preventing a residential subdivision

from being built in an Accident Potential Zone, REPI funds are helping to protect an endangered plant species and improving water quality and wildlife habitat.

MCAS Beaufort also established the first multi-partner REPI agreement in the Marine Corps, building on a positive relationship with conservation groups, local landowners, and local government. The Air Station has worked to combine its REPI efforts with a suite of tools to sustain its mission, including using the 10 U.S.C. § 2869 land exchange authority and working with local government to initiate a Transfer of Development Rights program.

## BENEFIT SUMMARY

### COMMUNITY

- Protects working lands, benefitting the local economy
- Supports regional planning objectives, including a Joint Land Use Study
- Alleviates safety concerns
- Provides habitat for threatened and endangered species
- Protects water quality
- Preserves local character

### MILITARY

- Preserves training capacity for fixed-wing aircraft and night flying
- Prevents workarounds that would reduce training realism or effectiveness
- Allows for future mission growth



MCAS Beaufort hosts training on aircraft such as the F/A-18 Hornet (top). Preserved wetlands near the installation help to protect area water quality (bottom).

## KEY PARTNERS

- Beaufort County
- Beaufort County Open Land Trust
- Beaufort County Rural and Critical Land Preservation Program
- City of Beaufort
- South Carolina Department of Natural Resources
- The Trust for Public Land

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**3,718**
- » Transactions conducted:  
**19**
- » Total funds expended:  
**\$56.0 million**
- » Project status:  
**In Progress**

## CONTACT

Community Plans and Liaison Office  
(843) 228-7119



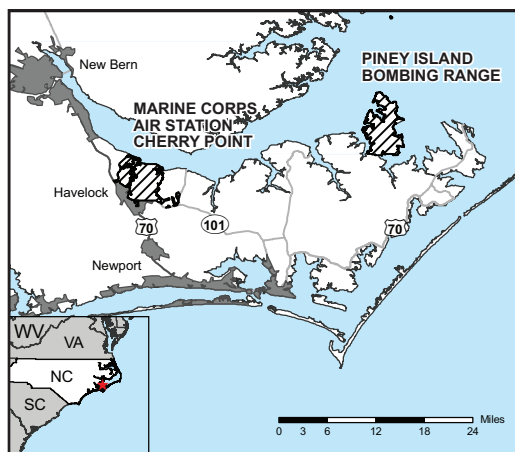
U.S. MARINE CORPS :

# MCAS CHERRY POINT : NORTH CAROLINA

## WITH PINEY ISLAND BOMBING RANGE



**A** critical asset for its combined training and operational capabilities and the largest air station in the Marine Corps, Marine Corps Air Station (MCAS) Cherry Point supports carrier landing practice, unmanned aerial systems, and ground maneuver training. Its range complex includes Piney Island Bombing Range, whose land and water ranges provide electronic and special warfare training. There are no other water-based ranges in the United States so close to nearby stationed aircraft along with ground-based units within flight range to



off-shore operating areas. This proximity allows those aircraft and ground units to effectively conduct joint operations.

Located along the Neuse River, large tracts of forest and farm land with water access near the installation are desirable for residential subdivision. Partnering efforts aim to stem encroaching development and conserve 25,000

acres around the Cherry Point Range Complex with the support of the North Carolina Coastal Land Trust, the state of North Carolina, and other partners. Easements protect local agricultural forestry use, which is compatible with the military mission. The land also includes valued recreational areas and a farm central to the prosperity of a local cooperative.

The Marine Corps has also implemented an innovative regional approach to its installations in Eastern North Carolina by creating REPI's first multi-installation agreement, facilitating collective projects with state and non-profit partners at MCAS Cherry Point, MCAS New River, and Marine Corps Base Camp Lejeune.

### BENEFIT SUMMARY

#### COMMUNITY

- Supports existing regional planning, including a Joint Land Use Study
- Protects habitat for wildlife and water supply
- Provides recreational opportunities for tourists and area residents
- Preserves local character

#### MILITARY

- Preserves live-fire, maneuver, and helicopter training capacity through the buffering of high-noise areas
- Preserves night flying training capacity that requires minimal light pollution
- Improves operational safety



MCAS Cherry Point provides training on the SuperCobra attack helicopter (bottom) and bombing runs on nearby Piney Island (top).

### KEY PARTNERS

- Carteret County
- City of Havelock
- National Oceanic and Atmospheric Administration
- North Carolina Agricultural Development and Farmland Preservation Trust
- North Carolina Attorney General Ecosystem Enhancement Grant
- North Carolina Clean Water Management Trust Fund
- North Carolina Coastal Land Trust
- State of North Carolina
- The Conservation Fund
- The Nature Conservancy
- U.S. Fish and Wildlife Service

### FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**11,760**
- » Transactions conducted:  
**17**
- » Total funds expended:  
**\$33.1 million**
- » Project status:  
**In Progress**

### CONTACT

Community Plans & Liaison Officer  
(252) 466-4197



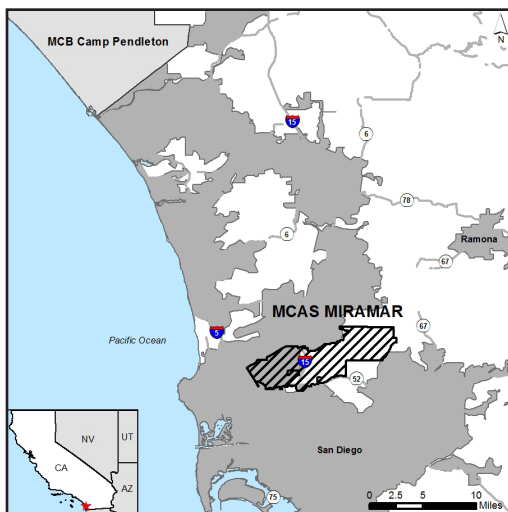


U.S. MARINE CORPS :

# MCAS MIRAMAR : CALIFORNIA



**L**ocated only about 10 miles north of downtown San Diego, Marine Corps Air Station (MCAS) Miramar is the Marine Corps' master air station on the West Coast, home to the 3rd Marine Aircraft Wing, which is the aviation element of the 1st Marine Expeditionary Force. MCAS Miramar also has ground training areas and ranges for small arms firing and training for explosive ordnance disposal technicians. The grassland and shrubland habitat on these ranges are also important to numerous rare, threatened, and endangered species.



The presence of these species and the dwindling habitat in the heavily developed Southern California region present challenges to the Marine Corps' mission. To achieve species recovery goals, MCAS Miramar is working to preserve rare habitats, such as coastal sage scrub, within regionally important habitat linkages and refuges from catastrophic regional wildfire.

Protecting such habitats off-installation will help alleviate restrictions on some of MCAS Miramar's 4,700 acres of ground training areas, reduce risks to sensitive species from catastrophic wildfire, and ensure compatible land use under the airspace used by Marine Corps aviators. A key aspect of this project is a crediting methodology being developed with the U.S. Fish and Wildlife Service and Marine Corps Base Camp Pendleton to alleviate restrictions associated with species conservation at Marine Corps installations in the region, further supporting regional training and conservation goals.

## BENEFIT SUMMARY

### COMMUNITY

- Provides habitat and connects wildlife corridors for threatened and endangered species
- Enhances existing regional conservation planning efforts
- Preserves open space

### MILITARY

- Reduces restrictions on ground training
- Protects an approach corridor for fixed-wing aircraft
- Supports multiple Services training at the installation



Ground training areas on MCAS Miramar are used for field exercises like simulated cargo lift and transport (top). To reduce restrictions on training and mitigate habitat damage MCAS Miramar is protecting coastal scrub habitat for the California gnatcatcher (bottom) (Photo credit: Mr. Kevin Clark).

## KEY PARTNERS

- California Department of Transportation
- Endangered Habitats Conservancy
- Fallbrook Land Conservancy
- Riverside Land Conservancy
- San Diego Association of Governments
- U.S. Fish and Wildlife Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**410**
- » Transactions conducted:  
**1**
- » Total funds expended:  
**\$9.5 million**
- » Project status:  
**In Progress**

## CONTACT

Community Plans and Liaison Office  
(858) 577-6603



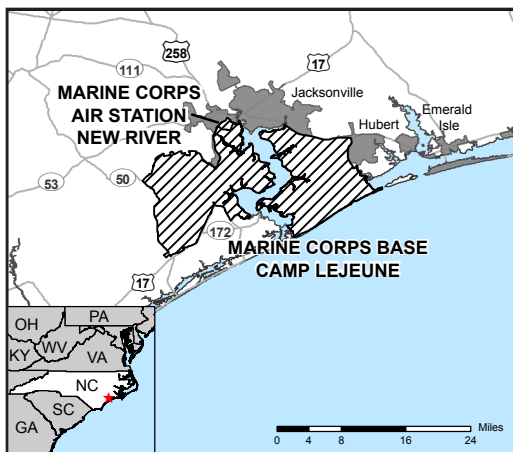
U.S. MARINE CORPS :

# MCB CAMP LEJEUNE : NORTH CAROLINA

WITH MCAS NEW RIVER



**T**he Department of Defense's largest amphibious training facility, Marine Corps Base (MCB) Camp Lejeune comprises 156,000 acres along the Atlantic Ocean, including 98 maneuver areas, 34 gun positions, 50 tactical landing zones, a state-of-the-art urban terrain facility, 78 live-fire ranges, and 11 miles of beach capable of amphibious operations. Units based here include the II Marine Expeditionary Force and the Marine Corps Forces Special Operations Command. Adjacent to Camp Lejeune and part of this base complex is Marine Corps



Air Station (MCAS) New River, which supports aviation combat units of fixed-wing, rotary, and tiltrotor aircraft.

Areas near the base complex are rich in habitat and working lands, but also attract commercial and residential development. Camp Lejeune has worked with a variety of partners within the Onslow Bight Conservation Forum to preserve

buffer land near the base. The preservation of this land helps to safeguard the base's invaluable training lands, ranges, and training routes, while sustaining the North Carolina coastal plain and assisting red-cockaded woodpecker recovery.

The Marine Corps has also implemented an innovative regional approach to buffering activities for all Marine Corps installations in eastern North Carolina by creating REPI's first multi-installation agreement. The agreement facilitates collective projects with state and non-profit partners at MCAS Cherry Point, MCAS New River, and MCB Camp Lejeune.

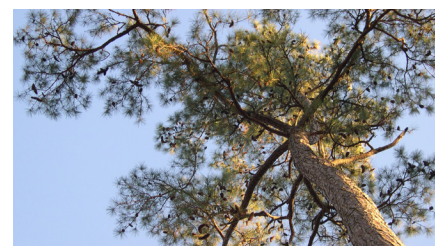
## BENEFIT SUMMARY

### COMMUNITY

- Supports regional planning objectives through innovative partnering and a Joint Land Use Study
- Preserves land within established conservation corridors
- Provides habitat for species
- Protects water quality and supply

### MILITARY

- Preserves on-installation live-fire and maneuver training
- Ensures the ability to conduct helicopter training and other activities that generate significant noise



Amphibious training at MCB Camp Lejeune (top). Projects help preserve the longleaf pine ecosystem (bottom), which aids red-cockaded woodpecker recovery and sustenance.

## KEY PARTNERS

- Conservation Forestry
- National Fish and Wildlife Federation
- North Carolina Clean Water Management Trust Fund
- North Carolina Coastal Land Trust
- North Carolina Division of Parks and Recreation
- North Carolina Natural Heritage Trust Fund
- Onslow County
- State of North Carolina
- The Conservation Forestry Partners
- The Nature Conservancy
- Tobacco Trust Fund
- U.S. Fish and Wildlife Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**19,665**
- » Transactions conducted:  
**17**
- » Total funds expended:  
**\$43.4 million**
- » Project status:  
**In Progress**

## CONTACT

Community Plans & Liaison Officer  
(910) 451-7645

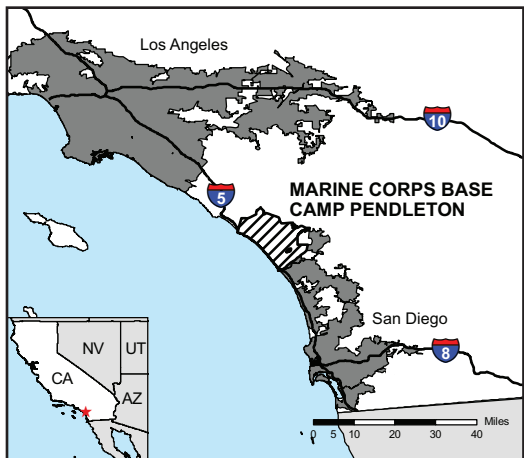


U.S. MARINE CORPS :

# MCB CAMP PENDLETON : CALIFORNIA



**O**ne of the last remaining open spaces on the Southern California coast, Marine Corps Base (MCB) Camp Pendleton provides a critical training area and base of operations for the Western U.S. and Pacific theater. Home to the Marine Corps' only West Coast amphibious assault training center and one of the Department of Defense's busiest installations, Camp Pendleton hosts one of only three Marine Expeditionary Forces strategically positioned for global missions. The base provides diverse training opportunities while



playing a critical ecological role—it has some of the last remaining habitat for several threatened and endangered species.

Continuous growth in San Diego, Riverside, and Orange Counties, meanwhile, threatens the open space habitat near Camp Pendleton. Through their REPI partnering efforts, local land trusts are acquiring lands and the base is

receiving easements to help protect a critical wildlife corridor that provides connectivity essential to ensuring the long-term viability of installation wildlife populations. The corridor limits further fragmentation and isolation of base-managed populations of sensitive species, while a crediting system for habitat restoration eases on-base training restrictions.

This project continues Camp Pendleton's efforts to coordinate encroachment relief with various regional planning efforts, while providing multiple secondary benefits, such as preserving water quality and flow in the Santa Margarita River watershed and



Coastal mountains provide habitat and training (top). Amphibious training at Camp Pendleton's beaches (bottom).

## KEY PARTNERS

- Buena Vista Audubon Society
- California Wildlife Conservation Board
- Endangered Habitats Conservancy
- Escondido Creek Conservancy
- Fallbrook Land Conservancy
- Heron Pacific LLC
- Land Veritas
- Riverside County
- Riverside Land Conservancy
- San Diego Association of Governments
- San Diego County
- The Conservation Fund
- The Nature Conservancy
- The Trust For Public Land
- U.S. Fish and Wildlife Service
- Warner Springs Range Habitat and Cultural Conservancy
- Western Rivers Conservancy
- Western Riverside County Regional Conservation Authority
- Wildlands Incorporated

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**2,516**
- » Transactions conducted:  
**12**
- » Total funds expended:  
**\$26.4million**
- » Project status:  
**In Progress**

## CONTACT

Community Plans & Liaison Officer  
(760) 725-6445

## BENEFIT SUMMARY

### COMMUNITY

- Enhances existing regional planning efforts
- Provides public recreational opportunities
- Preserves habitat for species

### MILITARY

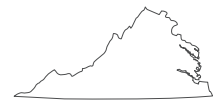
- Preserves on-installation live-fire and maneuver training capacity
- Protects capacity for future growth in training requirements



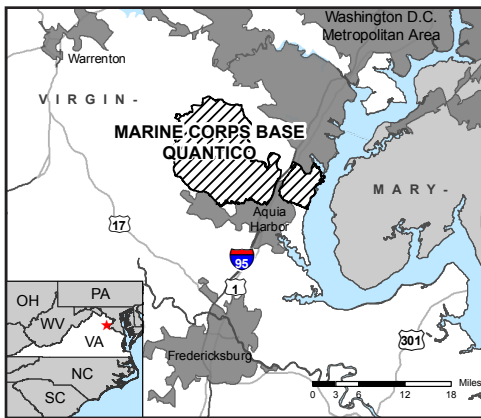


U.S. MARINE CORPS :

## MCB QUANTICO : VIRGINIA



**M**arine Corps Base (MCB) Quantico, known as the “Crossroads of the Marine Corps,” is where all Marine Corps Officers receive their initial range combat training: first by qualifying in the Officer Candidate School, followed by the Basic School and the Infantry Officers Course. The base supports the only Marine Corps air facility near Washington, D.C. and provides helicopter transport to the President of the United States. MCB Quantico also hosts the FBI Academy and the Drug Enforcement Administration training academy.



Though MCB Quantico’s location near the nation’s capital underscores its importance, being in such a densely populated and growing area also threatens the base with expanding encroachment. Therefore, MCB Quantico partnered with a local conservation organization, the Prince William Conservation Alliance, to protect one of the last remaining swaths

of undeveloped land in the fast-growing region.

A preserved farm was added to the Virginia Department of Game and Inland Fisheries network of wildlife management areas, with MCB Quantico receiving a restrictive easement to ensure protection of the installation’s boundary from future development. The Marine Corps also obtained the right to construct and preserve up to 115 acres of wetlands, and to incorporate the wetlands into a mitigation bank—a first for the Marine Corps. The property is now open to the public for fishing, hunting, and educational programs. MCB Quantico and its partners are continuing to work to protect additional lands near training areas at the base’s airfield, further preserving open space and forest land.

### BENEFIT SUMMARY

#### COMMUNITY

- Brings together new partners
- Protects working lands and water resources
- Provides recreational opportunities

#### MILITARY

- Preserves live-fire training capabilities
- Protects helicopter training and operations that produce significant noise



A squad of officer candidates charge forward into the Quigley water obstacle (top). Merrimac Farm, protected with REPI and partner funds, has one of the largest patches of Virginia bluebell flowers (bottom, photo courtesy of Prince William Conservation Alliance).

### KEY PARTNERS

- Facquier County
- Land Trust of Virginia
- Northern Virginia Conservation Trust
- Prince William Conservation Alliance
- Stafford County
- Virginia Department of Forestry
- Virginia Department of Game and Inland Fisheries

### FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**969**
- » Transactions conducted:  
**6**
- » Total funds expended:  
**\$5.4 million**
- » Project status:  
**In Progress**

### CONTACT

Community Plans & Liaison Officer  
(703) 784-5323

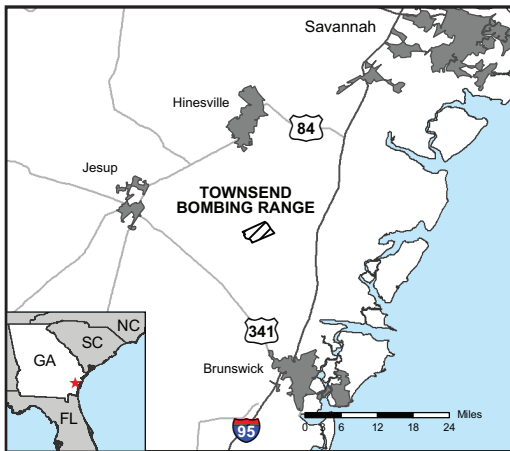


U.S. MARINE CORPS :

# TOWNSEND BOMBING RANGE : GEORGIA



**A** vital air-to-ground range used by the Marine Corps and the other three Military Services, Townsend Bombing Range is increasingly supporting the use of precision-guided weapons and other advanced weaponry in training. Meanwhile, Townsend is also a key East Coast hub for Joint Tactical Air Controllers (JTACs) training. JTACs represent 80 percent of bombing calls overseas, providing critical air support to the ground forces that need it most.



Bringing together state, federal, and other partners, including the National Oceanic and Atmospheric Administration's Coastal and Estuarine Land Conservation Program, the Townsend Range partnership has been able to reap the benefits of the protection of numerous conservation lands. The public is shielded from noise and potential safety risks and the military

can perform large force exercises and take full advantage of airspace that spans 10 counties for more realistic training at all altitudes.

Townsend and its partners are also adding major pieces to the conservation puzzle in an ecologically sensitive area. Located within the Altamaha watershed, the surrounding land boasts the highest documented number of rare plants and animals in Georgia. The area's wetlands, longleaf pine forests, and sandhills are home to the gopher tortoise and other rare species. Preventing habitat fragmentation and increasing the Townsend Wildlife Management Area will also provide the public with recreational opportunities.

## BENEFIT SUMMARY

### COMMUNITY

- Protects working lands and local character that benefit the economy
- Supports existing regional planning efforts, including the development of a Joint Use Land Study to better coordinate planning efforts
- Protects species and habitat

### MILITARY

- Protects live-fire bombing, vehicle maneuver, helicopter, and night flying training that produces significant amounts of noise or requires minimal light pollution
- Prevents the loss of training days and the use of less-realistic workarounds
- Provides for future mission growth and multi-service efforts



Habitat in and around Townsend Bombing Range (top and bottom) helps preserve the range's training capability.

## KEY PARTNERS

- Altamaha Riverkeeper
- Ducks Unlimited
- Georgia Conservancy
- Georgia Department of Natural Resources
- Georgia Department of Transportation
- Georgia Forestry Commission
- Georgia Ornithological Society
- Georgia Wetlands Trust Fund
- National Oceanic and Atmospheric Administration
- National Wild Turkey Federation
- St. Simons Land Trust
- The Environmental Resources Network
- The Nature Conservancy
- U.S. Department of Agriculture-Natural Resources Conservation Service
- U.S. Fish and Wildlife Service
- U.S. Forest Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**55,738**
- » Transactions conducted:  
**13**
- » Total funds expended:  
**\$77.5 million**
- » Project status:  
**In Progress**

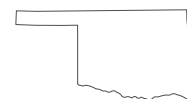
## CONTACT

Community Plans & Liaison Officer  
(843) 228-7119

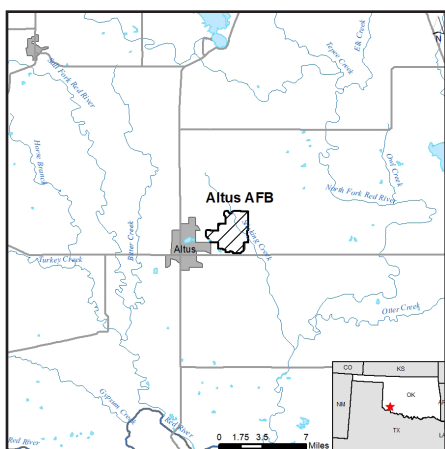


U.S. AIR FORCE :

## ALTUS AFB : OKLAHOMA



**A**ltus Air Force Base (AAFB), located in southwest Oklahoma, is home to the 97th Air Mobility Wing and hosts and operates the only heavy mobility and air-refueling schoolhouse in the Air Force for C-17, KC-135, & KC-46 aircraft. Over 2,000 students participate in initial training, requalification, and instructor training every year at AAFB. AAFB houses 18 full motion flight simulators, 9 refueling simulators and 5 cargo load trainers, as well as 3 runways used for heavy



aircraft training. The installation's strategic location and broad aviation capabilities allow the Air Force to continue to effectively train service men and women for worldwide deployment.

Low level airspace is crucial to AAFB's mission. Potential wind energy development in the area poses a serious threat to the viability of the AAFB's mission. Turbines penetrating into low level routes create avoidance areas, limit

useable airspace, and reduce the availability of low level, airdrop training areas. AAFB is working with its partners to acquire restrictive use easements on properties surrounding the installation to limit the potential for height obstructions and radar interference.

In addition to mitigating encroachment challenges from wind development, AAFB is also working with the City of Altus and the Tom Steed Master Conservancy District to protect critical groundwater resources in the region. AAFB is dependent on the City of Altus for short-term and long-term water supplies, the majority of which are surface water. Recent droughts have brought into focus the need to bring groundwater supplies into the City's water portfolio. Limited alternatives exist, but the City of Altus and the Tom Steed Master Conservancy together with AAFB are working to secure water rights to the Tillman Terrace aquifer to alleviate this challenge. This project will grant AAFB access to a reliable supply of water and help deliver secured groundwater to the City's water system, thereby increasing drought resiliency of the base as well as the community.

### BENEFIT SUMMARY

#### COMMUNITY

- Drought resiliency
- Access to reliable water supply

#### MILITARY

- Water security
- Protection of existing airspace and radar capabilities
- Increases operational safety



C-17 with door open on the flightline (top), and a KC-135 at takeoff (bottom).

### KEY PARTNERS

- City of Altus
- Tom Steed Master Conservancy District

### FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**0**
- » Transactions conducted:  
**0**
- » Total funds expended:  
**\$0**
- » Project status:  
**Initiated**

### CONTACT

Altus AFB Public Affairs  
(580) 481-7700



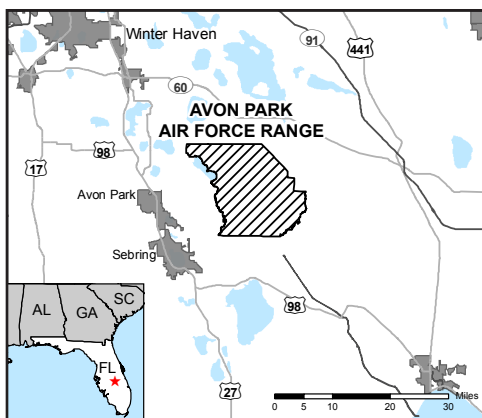


U.S. AIR FORCE :

# AVON PARK AFR : FLORIDA



**A**von Park Air Force Range (AFR) is a 106,000-acre bombing and gunnery range located near the center of the state of Florida. The primary training range for Homestead Air Reserve Base, Avon Park AFR is used extensively by all four Services. The range hosts numerous squadron and unit-level deployments from across the country in addition to nearby Air Force bases with its large restricted airspace and operating area offering a critical training space. The range's importance may increase with future missions, possibly including F-35 training.



The range's location in central Florida also connects it with important ecosystems as part of the northern Everglades, as well as working agricultural lands. Restrictive easements on these lands will limit incompatible development and buffer the range in one of the fastest growing regions in the country. Protecting Avon Park AFR allows the range

to maintain existing capabilities and keep pace with increasing requirements of new aircraft. Limiting potential development also avoids noise complaints and prevents light pollution that may impact night training.

The Avon Park AFR REPI project benefits stakeholders and industries important to the Florida economy, such as agriculture, recreation, and ecotourism. Protected lands will preserve water resources and wetlands, including lands important to the Everglades—one of only three designated wetland areas of global importance—and the entire southern Florida water supply. Large landscape-scale protection in this region provides opportunities to better align federal resources and strengthen locally-led conservation initiatives.

## BENEFIT SUMMARY

### COMMUNITY

- Protects working lands
- Supports existing regional planning efforts, including a Joint Land Use Study
- Protects water resources

### MILITARY

- Preserves aviation maneuver and night flying training that produce significant noise or require minimal light pollution
- Provides for future mission growth



Avon Park AFR hosts exercises that simulate close air support targeting under real urban area conditions (top), and integrated air-ground battle tactics for all Department of Defense Services (bottom).

## KEY PARTNERS

- Central Florida Regional Planning Council
- Florida Defense Alliance
- Florida Defense Support Task Force
- Florida Department of Agriculture and Consumer Services
- Florida Department of Environmental Protection
- Florida Forest Service
- Highlands County
- Highlands County Economic Development Commission
- Polk County
- South Florida Water Management District
- The Nature Conservancy
- U.S. Department of Agriculture
- U.S. Fish and Wildlife Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**10,756**
- » Transactions conducted:  
**9**
- » Total funds expended:  
**\$20.8 million**
- » Project status:  
**In Progress**

## CONTACT

AFCEC Public Affairs  
(210) 925-0956

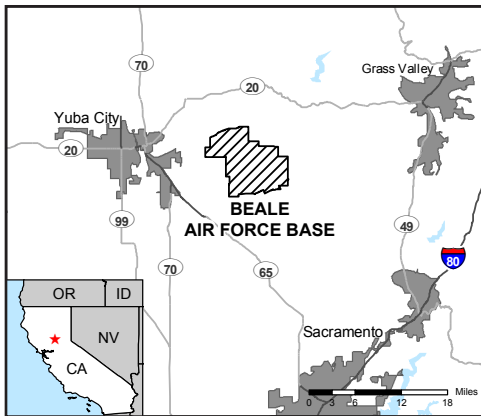


U.S. AIR FORCE :

**BEALE AFB** : CALIFORNIA



**B**eale Air Force Base (AFB), located 40 miles north of the Sacramento metro area, is home to the PAVE Phased Array Warning System (PAWS), one of only three such systems in the United States. PAVE PAWS is used primarily to detect and track sea-launched and intercontinental ballistic missiles. The system also has a secondary mission of detecting and tracking Earth-orbiting satellites. Beale AFB also supports live-fire M-60 machine gun training to the benefit of all four Services.



Beale AFB's missions are particularly vulnerable to incompatible development because of PAVE PAWS' sensitivity to electromagnetic interference, while loud bursts from machine gun training can lead to noise complaints. Growth from surrounding Yuba County presents a threat to these high-level missions and other operations and training, such as

surveillance and reconnaissance missions using the U-2 and MC-12 aircraft.

Easements acquired by the Trust for Public Land and the state as part of the Beale AFB REPI project will prohibit incompatible development adjacent to the installation boundary, thereby limiting potential electromagnetic interference with PAVE PAWS. Buffers for high noise areas and safety zones protect the installation and the public and support warfighter training while allowing continued grazing on open space owned by ranchers. The preserved land also benefits nearby natural and cultural resources, including vernal pools and other water resources, habitat for rare species, woodlands, and rangelands.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves habitat for threatened species
- Maintains local character
- Protects water resources

### MILITARY

- Preserves live-fire training that produces significant noise
- Reduces lost training days
- Supports multiple Service missions
- Reduces electromagnetic interference for sensitive training and operations



A dedicated crew provides maintenance for the RQ-4 Global Hawk, an unmanned aircraft (top). The preserved open space around PAVE PAWS allows local ranchers to use the land for grazing (bottom).

## KEY PARTNERS

- California Department of Fish and Wildlife
- California Department of Transportation
- The Trust for Public Land
- Yuba County

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**6,055**
- » Transactions conducted:  
**5**
- » Total funds expended:  
**\$9.4 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(530) 634-8887

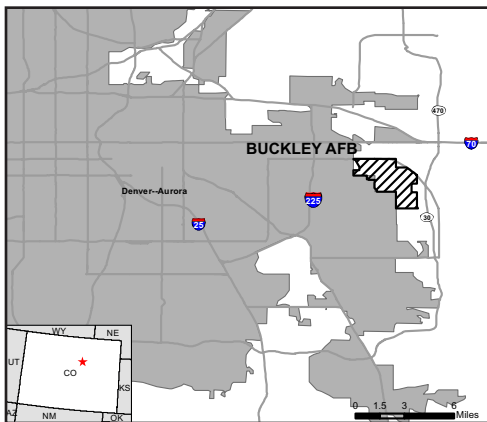


U.S. AIR FORCE :

## BUCKLEY AFB : COLORADO



**B**uckley Air Force Base (AFB) is located in Aurora, Colorado, just east of Denver, and is home to multiple aviation alert, training, and refueling missions. With access to 11.1 million acres of associated airspace across five adjacent states, Buckley AFB supports training and operations for various fixed-wing and helicopter tenant units, as well as serving as a refueling location for DoD aircraft on cross-country flights, often including Air Force One. The 460th Space Wing is Buckley AFB's home unit, with a mission to provide unencumbered "look angles" for antennae to ensure constant communication with space surveillance and missile tracking satellites.



To sustain the base's diverse set of missions, Buckley AFB, the Trust for Public Land, and local governmental partners are working to protect agricultural, recreational, and other compatibly used lands, particularly along the E-470 highway corridor extending south from Denver International Airport toward the base's

eastern boundary. Development on Buckley AFB's western boundary already forced the base to close one of its two runways. As more land is developed in proximity to the fence line, noise complaints increase, airspace becomes congested from changes in flight patterns, and light pollution impacts night vision training.

Accomplishing the partnership's goals of protecting the military missions and providing recreational opportunities, wildlife corridors, and water resources will require creative action in an area of high property values. One example of this creative action is the partnership's proposal to make multiple land trades that will complete full ownership of the base's Clear Zone and add to the perimeter buffer, while providing a conservation benefit to a local creek and recreational area.

### BENEFIT SUMMARY

#### COMMUNITY

- Protects agricultural and recreational lands
- Preserves wildlife corridors
- Supports new and existing regional planning objectives

#### MILITARY

- Preserves training and operations for various tenant units
- Protects the 460th Space Wing's unique mission
- Ensures that existing compatible areas remain compatible



A Colorado Air National Guard F-16 Fighting Falcon takes off over the Denver skyline at Buckley AFB (top). In addition to supporting its aviation mission, Buckley AFB's REPI partnership protects line of sight for satellite dishes used for defense, intelligence, and space missions (bottom).

### KEY PARTNERS

- Arapahoe County
- City of Aurora
- Colorado Department of Military and Veterans Affairs
- Great Outdoors Colorado
- State of Colorado
- The Trust for Public Land
- Urban Drainage and Flood Control District

### FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**274**
- » Transactions conducted:  
**4**
- » Total funds expended:  
**\$8.1 million**
- » Project status:  
**In Progress**

### CONTACT

Public Affairs Office  
(720) 847-9431





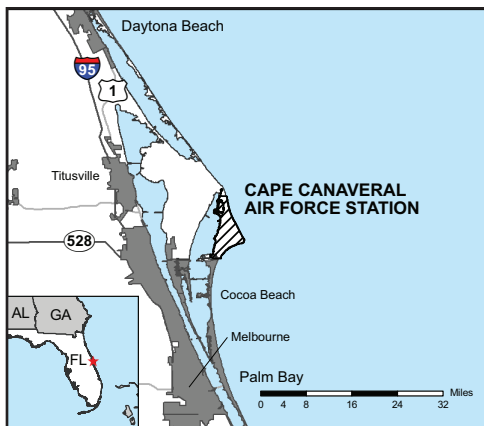
U.S. AIR FORCE :

# CAPE CANAVERAL AFS : FLORIDA



**T**he only space launch site capable of placing satellites into geosynchronous orbit, Cape Canaveral Air Force Station (AFS) is a unique resource relied upon by both government and commercial space operations. However, loss of scrub habitat and concomitant impacts to the threatened Florida scrub-jay pose a significant threat to current and future launch programs.

Current launch programs are constrained within their existing footprint on base, and the only available land for any new “heavy” launch vehicle or processing facilities



is mostly scrub habitat. All activities at Cape Canaveral AFS that impact scrub habitat incur a 4-to-1 mitigation requirement to offset the habitat loss. But since the base is only 15,800 acres and is surrounded by water on three sides, land is limited.

To protect its mission and preserve this endangered habitat, Cape Canaveral AFS has partnered with

Brevard County and its voter-approved Environmentally Endangered Lands Program to preserve nearby undeveloped scrub habitat. This project helps protect survival of the Florida scrub-jay and provides the Cape with opportunities to reduce its mitigation ratio, allowing additional lands to be put to mission use. The project alleviates threats to future missions and allows continued access to space—including access for GPS, communications, and weather satellites—that benefits the entire nation.

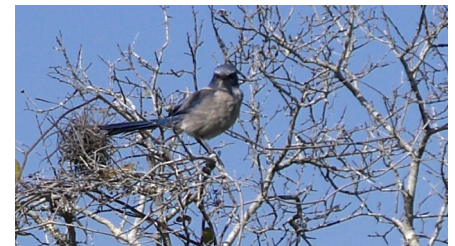
## BENEFIT SUMMARY

### COMMUNITY

- Coordinates with existing regional planning efforts
- Preserves habitat for threatened and endangered species
- Protects local character

### MILITARY

- Preserves launch capabilities and supports government and commercial space programs
- Provides for future mission growth



Preserving habitat for the Florida scrub-jay (bottom) helps preserve the mission at Cape Canaveral Air Force Station (top).

## KEY PARTNERS

- Brevard County Environmentally Endangered Lands Program
- The Nature Conservancy
- U.S. Fish and Wildlife Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**190**
- » Transactions conducted:  
**11**
- » Total funds expended:  
**\$3.7 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(321) 494-5933

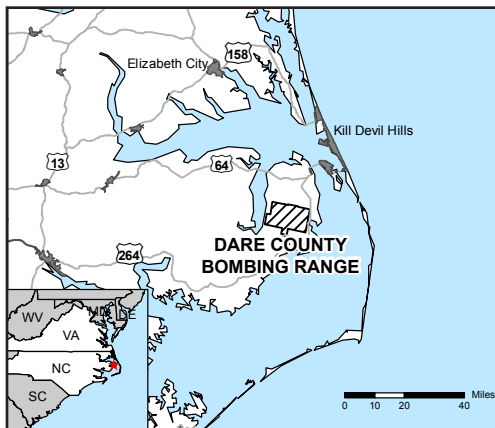


U.S. AIR FORCE :

# DARE COUNTY BOMBING RANGE : NORTH CAROLINA



**R**emotely located in eastern North Carolina, Dare County Bombing Range is the primary training range for F-15E aircraft crews from Seymour Johnson Air Force Base and the primary backyard range for F/A-18 squadrons operating out of Naval Air Station Oceana. The range is an electronic combat, day-night, and air-to-ground training site critical to both installations and Army and Navy special operations teams (including SEALs). Together, the Air Force and Navy are working to protect land near and under special use airspace, military



training routes, and bombing run flight tracks near this important range.

Easements acquired with The Nature Conservancy will prevent incompatible uses such as wind energy development in areas near the range identified by range and air installation compatible use zone studies. The protected land includes

forested wetlands, which are important for numerous species such as the red-cockaded woodpecker, red wolf, and area-sensitive songbirds. Keeping the range isolated and in its natural state ensures that special operations teams can continue their weapons training and Joint Tactical Air Control exercises.

Buffering the range also allows the Services to expand on current training capabilities, with Navy SEALs planning future riverine training and the Air Force developing a military operations in urban terrain target area, similar training that prepared fighter crews for close air support missions in Afghanistan. Sustaining these capabilities is only possible through partnership with The Nature Conservancy to protect Dare County's significant undeveloped wetlands and forest landscape.

## BENEFIT SUMMARY

### COMMUNITY

- Protects working lands
- Brings together new partners in support of coordinated regional planning efforts
- Preserves habitat within a green corridor

### MILITARY

- Avoids or reduces less-realistic workarounds that would otherwise limit training capacity
- Increases operational safety
- Supports multiple Service missions



A F/A-18 Super Hornet conducts a routine training exercise above Dare County Bombing Range (top). The range includes forested wetlands and other habitat (bottom).

## KEY PARTNERS

- Ducks Unlimited
- National Fish and Wildlife Foundation
- National Wild Turkey Federation
- North Carolina Clean Water Management Trust Fund
- North Carolina Coastal Federation
- North Carolina Coastal Land Trust
- North Carolina Department of Agriculture and Consumer Services
- North Carolina Department of Environment and Natural Resources
- North Carolina Division of Coastal Management
- North Carolina Division of Parks and Recreation
- North Carolina Forest Service
- North Carolina Natural Heritage Program
- North Carolina Wildlife Resources Commission
- The Nature Conservancy
- U.S. Fish and Wildlife Service
- U.S. Forest Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**14,181**
- » Transactions conducted:  
**11**
- » Total funds expended:  
**\$13.9 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
Seymour Johnson Air Force Base  
(919) 722-0027

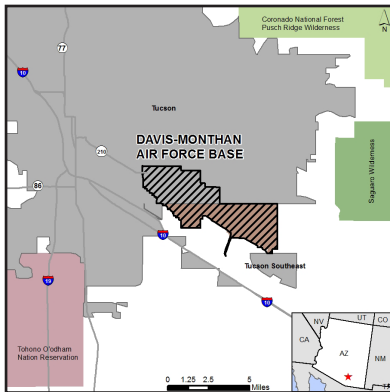


U.S. AIR FORCE :

## DAVIS-MONTHAN AFB : ARIZONA



**D**avis-Monthan AFB (DMAFB), located in Tucson, Arizona, is home to the 12th Air Force, the 214th Reconnaissance Group, and the 309th Aerospace Maintenance and Regeneration Group (AMARG), better known as the “Boneyard”, which manages more than 4,500 aircraft that have been sent for storage or retrofitting. AMARG and other missions leverage the base’s 13,645-foot runway—one of the longest in the Air Force—which can accommodate any aircraft



in the Air Force inventory. DMAFB also hosts the Arizona Air National Guard, which stands alert 24/7 to ensure aerospace control over a 225,000-square mile area that reaches across six states.

Development on DMAFB’s northwestern boundary has already forced 90% of all approaches and departures to the southeast, and approximately 20% of sorties with live

munitions are impeded by wind shifts that would normally dictate takeoff to the northwest. Areas to the installation’s southeast are developing quickly enough that five to ten more years of incompatible development may severely impact DMAFB flying missions, including night and weekend flying missions. DMAFB is working with state, county, city, and local stakeholders through programs such as the Air Force Community Partnership to reduce, and ultimately eliminate, encroachment. Partner efforts to develop and adopt restrictive land-use and development compatibility policies and acquire restrictive-use easements are ongoing.

Pima County is working with DMAFB to find compatible uses and solutions for undeveloped lands surrounding the base that will also maintain natural desert areas, grasslands, and the natural habitat. Acquiring restrictive-use easements will help ensure the preservation of ranching heritage. These combined efforts will also benefit local residents through reduced noise levels and reduced safety concerns.

### BENEFIT SUMMARY

#### COMMUNITY

- Supports new and existing regional planning objectives
- Preserves habitat

#### MILITARY

- Preserves aviation maneuver and night flying training that produce significant noise or require minimal light pollution
- Supports multiple Service missions

- Preserves training and operations for various tenant units
- Protects the 309th Aerospace Maintenance and Regeneration Group’s unique mission
- Ensures that existing compatible areas remain compatible
- Ensures the ability to conduct operations and training activities



An A-10C Thunderbolt II conducts close-air support training (top). An F-22 Raptor performs a heritage flight during the 2017 Heritage Flight Training Course at Davis-Monthan Air Force Base, Ariz., Feb. 9, 2017. The program was established in 1997, allowing certified civilian pilots and Air Force pilots to perform flights together. (bottom).

### KEY PARTNERS

- Pima County
- City of Tucson

### FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**55**
- » Transactions conducted:  
**18**
- » Total funds expended:  
**\$1.7 million**
- » Project status:  
**In Progress**

### CONTACT

**Public Affairs:**  
(520) 228-3406



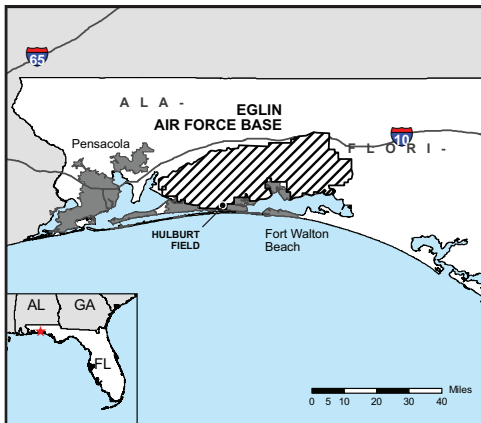


U.S. AIR FORCE :

## EGLIN AFB : FLORIDA



**L**ocated in the Florida Panhandle, Eglin Air Force Base (AFB) is the Air Force's largest installation and also includes extensive special use airspace to allow the base to carry out its test and evaluation mission. That mission is increasing in importance as the base will host Joint Strike Fighter (JSF) training that will require the Air Force, Navy, and Marine Corps to fly at low level into the Eglin range from a distance of 90 miles away.



To guard against incompatible development near future critical JSF operating areas, Eglin AFB's partners are conserving large tracts of land located near and under the installation's airspace, as well as within important wildlife corridors. Part of an unprecedented partnership, the base is protecting land within the Northwest Florida Greenway, a 100-mile habitat

corridor between the base and the Apalachicola National Forest to the southeast. The base is also creating buffers between its boundaries and the Blackwater River State Forest to the north.

With strong support from the state's Florida Forever program, the partnership's dedication to the military mission allows Eglin AFB to continue to conduct its testing and training activities. While protecting a major regional economic driver, the partnership is also conserving one of the most biologically diverse regions in the country.

### BENEFIT SUMMARY

#### COMMUNITY

- Supports a designated green corridor to enable wildlife to travel safely between habitats
- Supports existing regional planning objectives, including the implementation of a Joint Land Use Study
- Protects habitat for wildlife

#### MILITARY

- Protects off-installation maneuver test and evaluation capability
- Provides for future mission growth and multi-Service missions



Eglin AFB is slated to become the new home of the Joint Strike Fighter, requiring open space for low-altitude maneuvers (top). REPI projects support Longleaf Pine habitat (bottom).

### KEY PARTNERS

- City of Niceville
- Florida Defense Alliance
- Florida Department of Agriculture and Consumer Services
- Florida Department of Economic Opportunity
- Florida Department of Environmental Protection
- Florida Division of Recreation and Parks
- Florida Fish and Wildlife Commission
- Florida Forest Service
- National Fish and Wildlife Federation
- Okaloosa County
- Okaloosa County Water and Sewer Department
- State of Florida
- The Nature Conservancy

### FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**24,027**
- » Transactions conducted:  
**5**
- » Total funds expended:  
**\$24.3 million**
- » Project status:  
**In Progress**

### CONTACT

Public Affairs Office  
(850) 882-3931



U.S. AIR FORCE :

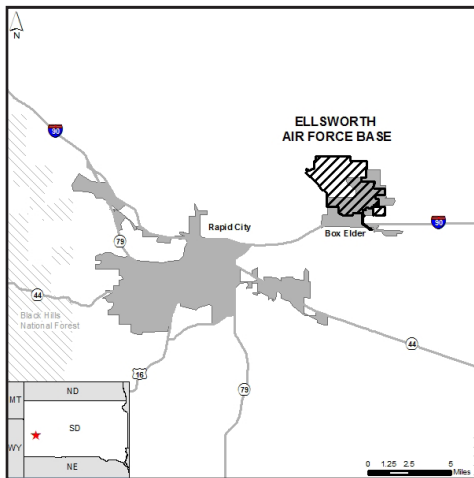
# ELLSWORTH AIR FORCE BASE : SOUTH DAKOTA



**E**llsworth Air Force Base (EAFB), located in western South Dakota, hosts the 28th Bomb Wing, one of only two B-1B Lancer bomber wings in the world. EAFB also remotely employs MQ-9 Reaper unmanned aircraft from ground control facilities in support of worldwide operations and provides expeditionary combat power for America. For example, in 2011, B-1 bombers launched from Ellsworth to strike targets in Libya in support of Operation

Odyssey Dawn.

Protecting EAFB's single runway from encroachment is vital for continuing operations as well as access to the nearby nine million-acre Powder River Training Airspace. However, residential homes and small businesses located close to the base and within Accident Potential Zones may impede the Air Force's ability to carry out the mission at EAFB. In addition to Ellsworth's 9,500 military and



civilian employees and families, the base is located 10 miles east of Rapid City and just outside of Box Elder.

To ensure that South Dakota remains a great place for the Air Force to conduct its mission and to protect and promote the economic impact of EAFB, in 2009 the South Dakota Legislature created the South Dakota Ellsworth Development Authority (SDEDA). SDEDA is building new homes, including low-income housing, in compatible locations outside the safety zones and 100-year floodplain. Meanwhile, EAFB donated lands to the community to develop a new elementary school and mixed-use compatible development area, making this project a win-win for the local economy and military mission.

## BENEFIT SUMMARY

### COMMUNITY

- Improves community health and safety
- Improves the economic and social viability of local communities
- Supports regional planning efforts, including zoning and overlay districts by local jurisdictions
- Preserves existing open space and working agricultural land

### MILITARY

- Removes existing encroachment within the operational mission area
- Ensures that existing compatible areas remain compatible
- Ensures the ability to conduct operations and training activities



A B-1B bomber takes off from Ellsworth AFB to take part in a training exercise (top). Ellsworth ground control facilities remotely employ MQ-9 Reaper unmanned aircraft (bottom).

## KEY PARTNERS

- Black Hills Vision
- City of Box Elder
- Meade County
- Pennington County
- Rapid City
- South Dakota Ellsworth Development Authority
- West River Foundation

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**2,872**
- » Transactions conducted:  
**72**
- » Total funds expended:  
**\$15.9 million**
- » Project status:  
**In Progress**

## CONTACT

28th Bomb Wing Public Affairs Office  
(605) 385-5056

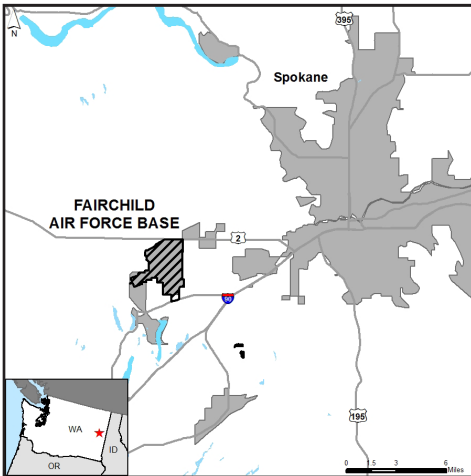


U.S. AIR FORCE :

# FAIRCHILD AFB : WASHINGTON



**F**airchild 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

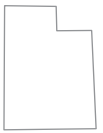
Public Affairs Office  
(509) 247-5705



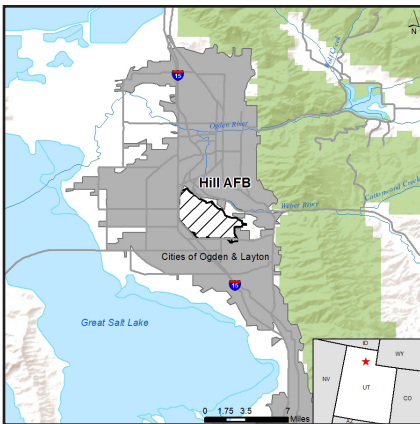


U.S. AIR FORCE :

**HILL AFB** : UTAH



**E**mploying more than 23,000 military, civilian, and contractor personnel, and spanning nearly 7,000 acres, Hill Air Force Base (HAFB) is the Air Force's second largest base by population and geographical size. The 75th Air Base Wing, the host unit at HAFB, is the Air Force's single provider of Standard Air Munitions Packages, which support wartime activities around the world. Nearly half the base's real estate is dedicated to the safe storage, depot-level maintenance, and rapid processing of such munitions. HAFB also provides support services to over 50 mission partners, including the coordination of runway and training activities at the Utah Test and Training Range. The geographic landscape in this region is mountainous, providing "real world" practice situations for Air Force pilots as they prepare for overseas conflict. Its strategic location, training facilities, and munitions make HAFB an important asset to protect.



The locale surrounding HAFB has been the fastest growing in the state of Utah for the last 20 years, increasing the potential for incompatible development. If development does occur, especially within HAFB's Accident Potential Zones (APZs), the installation would face an increase in flight risk, noise complaints, and light pollution, all of which could affect the mission. Through this REPI project, HAFB will work together with its partners to acquire restrictive-use easements that will reduce the potential for incompatible development in its APZs. This will allow for the continued use of the airspace around HAFB for flying missions, without risk of interference.

Another benefit of this project is HAFB's plan to convert gravel pits into lakes or reservoirs for water conservation. The goal is to convert gravel quarries into a water source that will provide enough recharge pressure to maintain and recharge local aquifers protecting them from saltwater intrusion from the Great Salt Lake. With the continued droughts in the West, this is a critical cause that would not only benefit HAFB, but also the surrounding communities and promote drought resilience.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves drinking water source
- Improves community health and safety

### MILITARY

- Improves operational safety
- Preserves off-installation night flying capability through the buffering of high noise areas



Two F-35s fly over Weber Canyon at Hill AFB (top). F-35s prepare for a combat power exercise (bottom)

## KEY PARTNERS

- U.S. Department of Agriculture – Natural Resources Conservation Service
- City of Layton, Utah
- Compatible Lands Foundation

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**0**
- » Transactions conducted:  
**0**
- » Total funds expended:  
**\$0**
- » Project status:  
**Initiated**

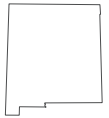
## CONTACT

Public Affairs Office  
(801) 777-5201

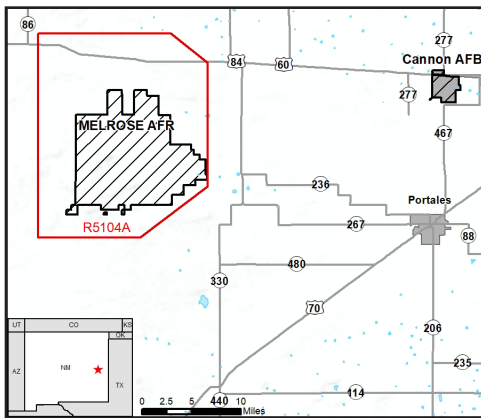


U.S. AIR FORCE :

# MELROSE AIR FORCE RANGE : NEW MEXICO



**M**elrose Air Force Range (MAFR) provides more than 4,500 training hours for Special Operations Forces each year. These hours consist of strike, intelligence, surveillance, reconnaissance, mobility, battlefield support, special tactics, and ground force mission training for Special Operations Forces. In addition, the integrated nature of this range allows for combined air and ground training operations in settings very similar to those found in current areas of conflict, yielding greater success on the battlefield.



Although MAFR is located in rural eastern New Mexico, the elevation of the surrounding topography is very appealing to wind energy developers. MAFR is a relatively small range, therefore construction of turbines in the area would create vertical hazards and light-pollution capable of rendering 50% of training activities impracticable. With the support of the

state, partner and REPI funding, this project will secure restrictive use easements to provide buffer protection at MAFR to mitigate the impacts of potential incompatible development.

The land surrounding MAFR is currently used compatibly as rangeland, farmland, and grasslands. The grassland environment also serves as habitat to the critically endangered lesser prairie chicken and other ground nesting species. By protecting this land from development, historical agricultural operations will be sustained, and rangelands and grasslands will be preserved, benefitting the local wildlife and the military mission.

## BENEFIT SUMMARY

### COMMUNITY

- Protects working lands
- Maintains existing land use patterns
- Preserves habitat for endangered species
- Maintains local character

### MILITARY

- Ensures that existing compatible areas remain compatible
- Ensures the ability to conduct operations and training activities



A conservation easement adjacent to Melrose Air Force Range consists of 30,493 acres (top). An AC-130W Stinger II fires its weapon over Melrose Air Force Range, N.M (bottom).

## KEY PARTNERS

- The Conservation Fund
- The New Mexico Land Conservancy
- State of New Mexico
- Surrounding land owners

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**30,493**
- » Transactions conducted:  
**0**
- » Total funds expended:  
**\$1.7 Million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(575) 784-4131

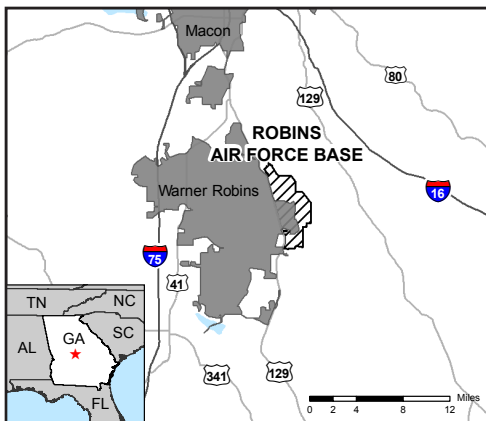


U.S. AIR FORCE :

# ROBINS AFB : GEORGIA



**R**obins Air Force Base (AFB) hosts multiple flying missions and performs depot-level maintenance and avionics overhaul for aircraft, weapons systems, and missiles. Located in central Georgia, Robins AFB is the largest industrial complex in the state and economically vital to Houston, Bibb, and Peach counties. To protect the base's ability to carry out post-maintenance test flights from current and future incompatible development, the three counties are working together as a part of the Middle Georgia Regional Commission with the state's Central Georgia Joint Development Authority.



These partners are acquiring parcels near the base's aircraft approach and departure corridor to ease mission restrictions, such as nighttime flying restrictions. This project stems from a 2004 Joint Land Use Study recommendation and includes the removal of buildings on protected parcels that violate safety and noise zone compatibility recommendations. The partnership is

protecting a valuable economic engine that provides a \$4.1 billion annual impact.

To date the project has rectified incompatible development in Accident Potential Zone (APZ) I by 90%, APZ II by 75%, and high level noise contours by 90%. Once complete, the project will have near 100% compatibility within these three areas. The project also will benefit agricultural and habitat uses around the base. These parcels offer strategic preservation of significant wetlands and recreational opportunities along the Ocmulgee River, and the sale of state- or county-owned parcels for agricultural or limited industrial use puts the land back into the local tax base.

## BENEFIT SUMMARY

### COMMUNITY

- Supports coordination with existing regional planning efforts
- Supports implementation of a Joint Land Use Study
- Protects lands that provide economic benefit
- Protects public health, safety, and welfare

### MILITARY

- Protects maneuver capabilities
- Provides for future mission growth



Robins AFB provides depot-level maintenance, such as aircraft repairs and upgrades (top). A B-1B Lancer bomber lands at Robins AFB after a post-maintenance flight (bottom).

## KEY PARTNERS

- Bibb County
- Central Georgia Joint Development Authority
- Houston County
- Middle Georgia Regional Commission
- Peach County
- State of Georgia

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**737**
- » Transactions conducted:  
**216**
- » Total funds expended:  
**\$19.7 million**
- » Project status:  
**In Progress**

## CONTACT

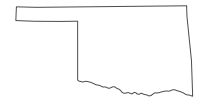
Public Affairs Office  
(478) 926-2137



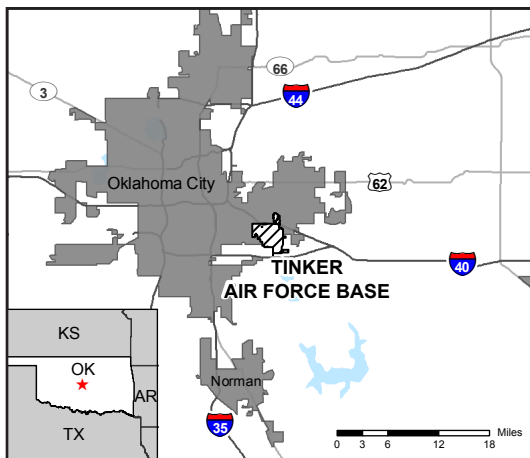


U.S. AIR FORCE :

# TINKER AFB : OKLAHOMA



**T**inker Air Force Base (AFB) supports Air Force and Navy alert missions that require one runway to be open at all times. As part of the Strategic Communications Wing One at the base, Navy E-6 squadrons maintain flying and communications link among the White House, ballistic missile submarines, bombers, and missile silos around the world. Because one runway must remain operational at all times to support this mission, it is imperative that Tinker AFB maintains two active runways.



The base's crosswind runway's safety and noise zones are constantly under developmental pressure from nearby Oklahoma City and its suburbs, including potential commercial retail development. This REPI project will implement recommendations from a Joint Land Use Study to protect these high priority safety and noise zones, with Tinker

AFB's partner, Land Legacy, acquiring conservation easements to preserve wetlands, habitat, and water resources.

Further contributing to the partner cost-share of this REPI project includes a donation of a conservation easement as well as a second partial land value donation of another tract. Conservation of these lands will ensure that Tinker AFB can continue to use its crosswind runway, making sure it is open and able to support its operational mission, which would otherwise have to deploy or relocate at a significant cost. The easements not only preserve compatible uses that protect the local watershed and floodplain, but also support habitat for rare and at-risk species such as the Texas Horned Lizard.

## BENEFIT SUMMARY

### COMMUNITY

- Supports coordination with existing regional planning efforts, including a Joint Land Use Study
- Preserves habitat
- Preserves water resources

### MILITARY

- Protects aviation maneuver training that produces significant noise
- Increases operational safety
- Supports multiple Service missions



Crew members prepare a KC-135 Stratotanker for an air refueling mission exercise (top). The Texas Horned Lizard is a state sensitive species that is actively managed by the installation (bottom).

## KEY PARTNERS

- Land Legacy

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**19**
- » Transactions conducted:  
**2**
- » Total funds expended:  
**\$493.7 thousand**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(405) 739-2026

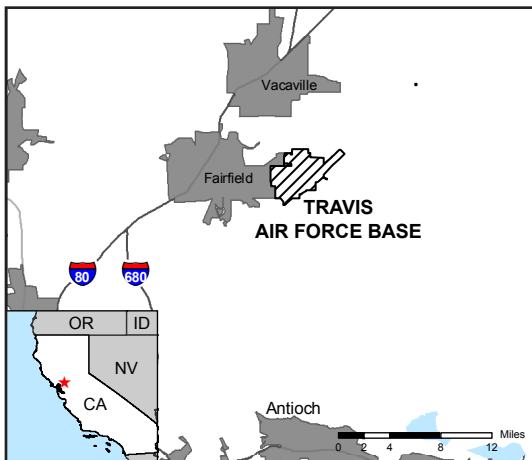


U.S. AIR FORCE :

## TRAVIS AFB : CALIFORNIA



**L**ocated east of Fairfield near the San Francisco Bay area, Travis Air Force Base (AFB) is known as the “Gateway to the Pacific.” The base supports the 60th Air Mobility Wing, the largest mobility organization in the Air Force, with a versatile fleet of cargo and refueling jets. Travis AFB handles more cargo and passenger traffic through its airport than any other military air terminal in the country. As such, the base also has a significant economic impact and is the largest employer in Solano County.



This REPI project involved Travis AFB’s partner, the Solano Land Trust, acquiring a conservation easement to preserve habitat and agricultural values around the base. The easement protects the land from uses such as wind turbines that interfere with radar, wetlands that attract a bird aircraft strike hazard, or housing development that can lead to

noise complaints and mission restrictions. The preserved land is home to high-quality vernal pool grasslands, including land within a National Natural Landmark, as well as numerous rare species within the vernal pools.

As its mission grows, Travis AFB may need to develop on-base construction projects that require mitigating against disturbances of habitat for threatened, endangered, and at-risk species. Protecting the critical habitat on this property provides an opportunity for the base to seek possible mitigation credits against on-base actions. The partnership also furthers the coordinated planning efforts among the local governments and Travis AFB to ensure compatibility between community noise and safety concerns with military operations.

### BENEFIT SUMMARY

#### COMMUNITY

- Protects working lands that maintain local character
- Preserves habitat for threatened and endangered species
- Protects water resources

#### MILITARY

- Protects maneuver training capabilities
- Prevents electromagnetic interference
- Increases operational safety



A KC-10 Extender from Travis AFB refuels an F/A-22 Raptor (top). Airmen and Soldiers board a C-130 Hercules aircraft to participate in a training exercise (bottom).

### KEY PARTNERS

- Solano Land Trust
- Trust for Public Land

### FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**147**
- » Transactions conducted:  
**1**
- » Total funds expended:  
**\$539 thousand**
- » Project status:  
**Completed**

### CONTACT

Public Affairs Office  
(707) 424-2011

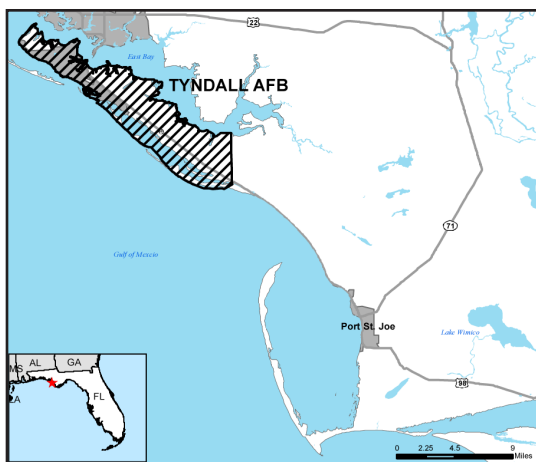


U.S. AIR FORCE :

# TYNDALL AFB : FLORIDA



**T**yndall Air Force Base (AFB) is part of a complex of installations, ranges, military operating areas, and airspace in Northwest Florida and the Gulf of Mexico and is essential to maintaining U.S. air dominance with its contingent of F-22 Raptors, the largest in the Department. The Tyndall AFB airspace will also see an increase in operations by F-35s, including those stationed at nearby Eglin AFB. This airspace connects to the vast Gulf of Mexico Water



Ranges that span from Tyndall to Key West and overlays mostly undeveloped lands, offering a unique locational asset.

Given Tyndall's easy access to range assets and its heavy use, with 250 training days a year, the Air Force is working to protect and maintain the unencumbered nature of its mission footprint. This includes

protecting agricultural land, wetlands, and other coastal areas within high noise zones, the runway approach-departure corridor, and the base boundary, along with preventing tall structures in sections of Tyndall's operating area used for low-level flights. Protecting these areas allows Tyndall to fully utilize unique training capabilities, such as a Precision Approach Radar system for pilots to train to land in bad weather or with a damaged aircraft, or testing air-to-air missile capabilities.

The REPI partnership at Tyndall AFB has numerous mission benefits as well as environmental benefits. Tyndall AFB's partners are adding to the Northwest Florida Greenway, a wildlife corridor of conservations lands stretching from Eglin AFB through the Apalachicola National Forest to the Gulf of Mexico. This regional effort will also leverage a variety of federal and state funding sources, including the Longleaf Stewardship Fund, Gulf RESTORE Act, and Florida Forever.

## BENEFIT SUMMARY

### COMMUNITY

- Supports a designated green wildlife corridor
- Protects agricultural land, wetlands, and other coastal areas
- Encourages coordination among federal, state, and local partners

### MILITARY

- Ensures that existing compatible areas remain compatible
- Protects aviation maneuver capabilities
- Promotes continued operational safety



Tyndall AFB's location and access to Gulf of Mexico operating areas allows aviators to utilize unique capabilities, such as realistic aerial target practice against unmanned QF-16 drone jets (top). An F-22 takes off from Tyndall AFB to use this capability and evaluate air-to-air weapons systems (bottom).

## KEY PARTNERS

- Florida Department of Environmental Protection
- The Nature Conservancy

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**0**
- » Transactions conducted:  
**0**
- » Total funds expended:  
**\$0**
- » Project status:  
**Initiated**

## CONTACT

**Public Affairs Office**  
(850) 283-4500



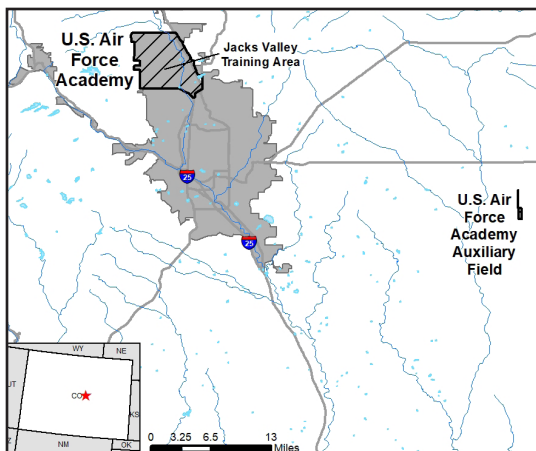


U.S. AIR FORCE :

# U.S. AIR FORCE ACADEMY : COLORADO



**T**he U.S. Air Force Academy (USAFA) provides an immersive Air Force experience for its Cadets. USAFA is the only commissioning source that provides the day-to-day fundamentals of flight and military training. On-site military field training is conducted in Jacks Valley Training Area, 5,000 acres of training land that is shared with Peterson AFB and other federal, state, and local



organizations. Using the 1,100-acre USAFA Airfield and 155,187 acres of airspace, approximately 600 Cadets complete Powered Flight Training, 1,200 complete Soaring Training, and 750 complete Parachute Training annually.

Ground training in Jacks Valley is at risk due to increased residential development north of the installation. In addition to noise

complaints, development along the base's fenceline allows for observation of military training exercises and potential conflicts with unmanned aircraft system training. USAFA is working with the Trust for Public Land to acquire restrictive-use easements on over 1,360 acres of land adjacent to Jacks Valley. This buffer will allow training activities to proceed without adversely affecting neighboring communities. This REPI project will not only strengthen military readiness, but also provide critical habitat for the Preble's Meadow Jumping Mouse, a Federally-listed threatened species. It will also help protect nearly \$1 billion in annual economic contributions USAFA makes to the community.

Flight training is also at risk due to increased urban higher-rise development and increased demand for wind turbines under flight training areas to the east of USAFA. In addition to pursuing REPI projects for these priority areas, USAFA will continue to engage local developers and community leaders to increase awareness on encroachment impacts to the installation's mission.

## BENEFIT SUMMARY

### COMMUNITY

- Brings together new partners
- Preserves threatened species habitat
- Protects land that provide economic benefit

### MILITARY

- Prevents workarounds that would reduce test and training capacity
- Increases operational safety
- Reduces lost training days and the need for workarounds



U.S. Air Force Academy Chapel (top). The T-53 represents the backbone of the Academy's Powered Flight training program in which over 600 cadets participate annually (bottom).

## KEY PARTNERS

- Trust for Public Land
- El Paso County
- City of Colorado Springs

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**0**
- » Transactions conducted:  
**0**
- » Total funds expended:  
**\$0**
- » Project status:  
**Initiated**

## CONTACT

Public Affairs Office  
(719) 333-7731

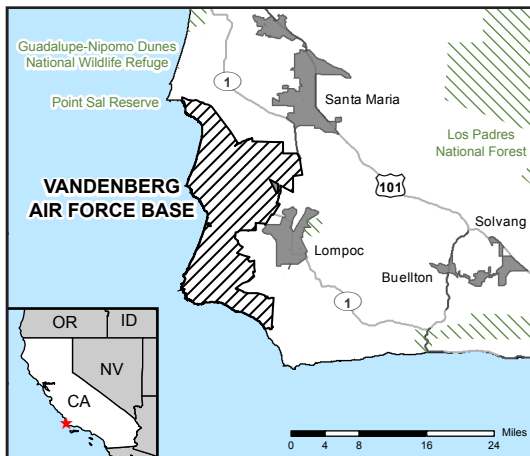


U.S. AIR FORCE :

# VANDENBERG AFB : CALIFORNIA



**V**andenberg Air Force Base (AFB) is one of the primary west coast tactical Air Force locations. Operated by the 30<sup>th</sup> Space Wing, Vandenberg houses silos and launch sites to test and launch Minuteman nuclear intercontinental ballistic missiles, Delta rockets, and government and commercial satellites. With launches coming at a cost of \$213 million, the base supports a valuable test and training mission. Located along the coast north of Santa Barbara, Vandenberg is surrounded by grazing lands and open beaches, providing compatible



uses under the base's special use airspace.

In partnership with the Land Conservancy of San Luis Obispo County and others, Vandenberg is protecting land within the base's airspace and also within the Impact Limit Line for missile launches. Land purchased by the Land Conservancy of San Luis Obispo limits incompatible development

and lowers potential issues related to possible falling debris within the Impact Line. Non-launch-essential personnel and the general public are evacuated from the area for launches, and any delays resulting from the presence of nearby incompatible uses could cost as much as \$500,000 a day.

As part of this project, the Land Conservancy of San Luis Obispo deeded the land to Santa Barbara County for use as a passive recreational center and to expand the Point Sal Reserve area. Additionally, the base's partners are building off these efforts to protect 20 miles of the Guadalupe-Nipomo dunes ecosystem, which sustains coastal dune shrub, freshwater ponds and lakes while providing a buffer for the community adjacent to Air Force flight and missile testing.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves habitat for threatened and endangered species
- Protects water resources
- Provides recreational opportunities
- Maintains local character

### MILITARY

- Improves operational safety
- Prevents costly workarounds that would otherwise limit test and training capacity



The Delta IV Heavy rocket stands 235 feet tall and is America's most powerful liquid-fueled rocket (top). Point Sal Reserve area was preserved for use as a passive recreational center (bottom).

## KEY PARTNERS

- California State Coastal Conservancy
- Land Conservancy of San Luis Obispo
- National Oceanic and Atmospheric Administration-Coastal Estuarine and Land Conservation Program
- Santa Barbara County
- The Nature Conservancy
- Trust for Public Land

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**951**
- » Transactions conducted:  
**2**
- » Total funds expended:  
**\$5.2 million**
- » Project status:  
**Completed**

## CONTACT

Public Affairs Office  
(805) 606-3595

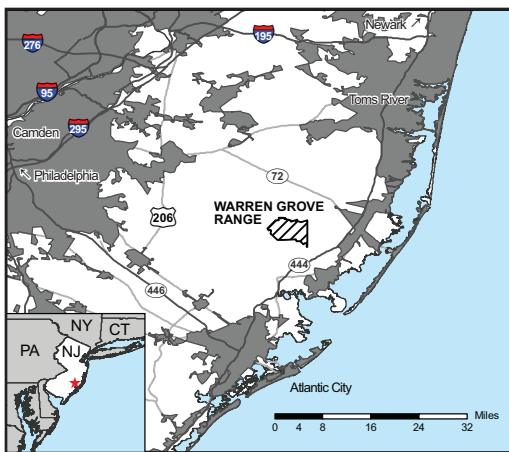


U.S. AIR FORCE :

# WARREN GROVE RANGE : NEW JERSEY



**O**ne of the most heavily utilized Air National Guard training ranges in the U.S., Warren Grove Range is a key Northeast training asset for all four Services, with its remote location providing unique operational capabilities. However, its location in the New Jersey Pinelands is also one of the most flammable areas in the country. Every year training activities ignite one fire every 10-14 days, which are suppressed on-site.



When wildfires occur, the range must be totally shut down until the fires are suppressed. To reduce the wildfire danger, controlled burns are necessary to manage forest undergrowth. Without buffer lands to properly address undergrowth and fire concerns, the military mission at the range is endangered. In May 2007, the range shut down entirely for more than a year. Now,

REPI efforts to establish buffer lands surrounding the range are protecting the viability of continued training missions, including use of conventional freefall bombs and munitions and future weapon systems training.

Targeting the acquisition of thousands of acres of forest, the New Jersey Conservation Foundation will help the Air Force protect surrounding residents from the constant threat of wildfire and conduct prescribed fire management. Additionally, better forest management will support the many federally and state-listed animal and vegetative species found in the Pinelands area. Altogether, this project allows the continued operation of Warren Grove Range and maintains a quality training environment.

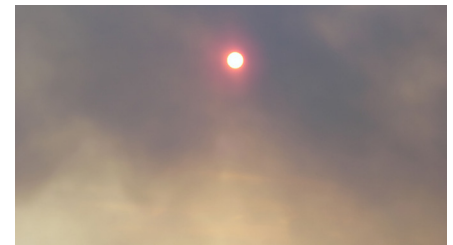
## BENEFIT SUMMARY

### COMMUNITY

- Coordinates with existing regional planning efforts, including a Joint Land Use Study
- Protects habitat for notable species
- Provides recreational benefits for area residents

### MILITARY

- Protects on-installation training capacity
- Prevents the loss of available training days



Controlled burns help prevent wildfires, which reduce visibility for air exercises (top and bottom).

Bottom photo credit: Dr. Walter Bien, Laboratory of Pinelands Research

## KEY PARTNERS

- New Jersey Conservation Foundation
- New Jersey Green Acres Program
- New Jersey Pinelands Commission

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**179**
- » Transactions conducted:  
**5**
- » Total funds expended:  
**\$400 thousand**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(609) 761-6259

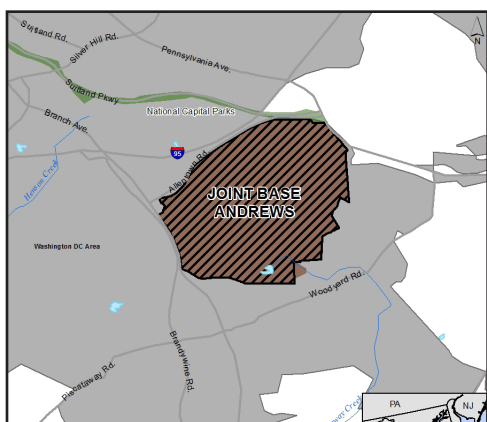


U.S. AIR FORCE - U.S. NAVY :

# JOINT BASE ANDREWS : MARYLAND



**I**n 2009, Andrews Air Force Base and Naval Air Facility Washington combined to become Joint Base (JB) Andrews-Naval Air Facility Washington, or JB Andrews. Located outside of Washington, D.C and known as “The Gateway to the Capital,” JB Andrews has grown to support over 80 Federal, state, and commercial tenants in the National Capital Region. While the installation hosts a broad range of critical security missions, it is most widely recognized as the home of Air Force One.



The installation’s ability to fulfill its national defense mission is contingent on having strong, safe, and state-of-the-art infrastructure. In its most recent Installation Development Plan, JB Andrews put forward several capital improvement projects, including a proposal to regrade its airfield. In order to offset the project’s adverse impacts to wetlands on the base, JB Andrews

partnered with GreenTrust Alliance and its affiliated organization, GreenVest LLC, to create a wetlands mitigation bank. Under the partnership, JB Andrews, GreenTrust Alliance, and GreenVest LLC are working together to preserve and manage a wetlands site outside of the installation at Mattawoman Creek in Charles County, Maryland.

This project will allow JB Andrews to support mission critical infrastructure improvements while also fulfilling its responsibility to be a good steward of the land. Furthermore, this effort will promote compatible development outside of JB Andrews; protect wildlife and flora within the Mattawoman Creek watershed area; and mitigate adverse impacts to the Chesapeake Bay. By creatively partnering with the GreenTrust Alliance, the U.S Army Corps of Engineers, Maryland Department of Environment, and others, JB Andrews will successfully strengthen military readiness while simultaneously protecting natural resources.

## BENEFIT SUMMARY

### COMMUNITY

- Protects water resources, including the Chesapeake Bay watershed
- Preserves habitat for species
- Supports existing regional planning and regulatory objectives

### MILITARY

- Supports mission required airfield improvements
- Provides for future mission growth and multi-Service missions
- Increases operational safety



Preserving wetlands outside of JB Andrews (top) enables the installation to carry out mission-critical infrastructure improvement projects (bottom).

## KEY PARTNERS

- Charles County
- GreenVest, LLC
- GreenTrust Alliance, Inc.
- Maryland Department of Environment
- Prince George’s County
- The John M. and Sara R. Walton Foundation, Inc.
- U.S. Army Corps of Engineers

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**142**
- » Transactions conducted:  
**2**
- » Total funds expended:  
**\$1.3 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs  
(240) 612-4428



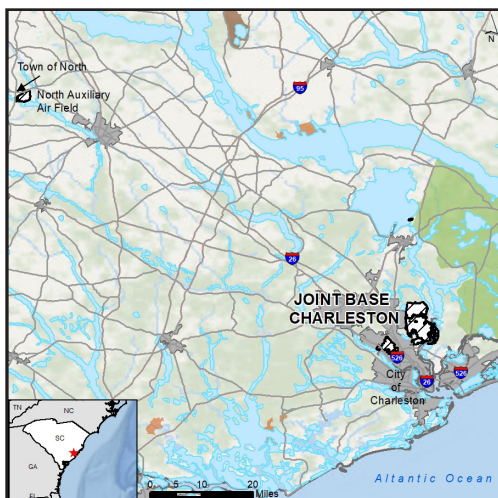


U.S. AIR FORCE - U.S. ARMY :

# JOINT BASE CHARLESTON: SOUTH CAROLINA



**L**ocated about 65 miles northwest of Joint Base Charleston near the rural Town of North, South Carolina, North Auxiliary Air Field (NAAF) houses one of the only airstrips with adequate darkness to support night assault training operations. These operations include assault landing as well as personnel and cargo airdrop exercises essential to the training of C-17, C-5, and C-130 pilots. Although NAAF is remotely located, its proximity to Columbia



and Charleston subjects it to encroachment pressures caused by sprawling development.

With the help of its partners, NAAF will acquire conservation and restrictive use easements surrounding the installation to ensure that agricultural and low-density residential properties remain compatible. This project will safeguard night vision and military drop operations by reducing the

potential for light pollution. These easements will also help landowners maintain their livelihood at a time when agriculture is declining in the area.

NAAF has partnered with Ducks Unlimited for this project to participate in the Southeast Wetlands Initiative. The goal of this initiative is to restore and enhance lands containing key waterfowl habitat including grasslands, managed coastal wetlands, bottomland hardwood forests, and freshwater marshes. The land surrounding NAAF's airfield is predominantly open space, some containing rivers and marshes—ideal habitats for local bird species—making it a well-suited addition to this initiative.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves open space and agricultural land
- Provides habitat for local species
- Provides recreational opportunities

### MILITARY

- Prevents flight operations from additional noise complaints
- Mitigates noise concerns and improves operational safety
- Preserves aviation maneuver and night flying training that produce significant noise or require minimal light pollution



Globemaster III from the 437th Airlift Wing at Charleston Air Force Base, S.C., performs a combat landing during an incentive flight recently (top). Airmen volunteer to cleanup the marsh at Waterfront Park for trash and debris carried in from the ocean (bottom).

## KEY PARTNERS

- Ducks Unlimited

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**0**
- » Transactions conducted:  
**0**
- » Total funds expended:  
**\$0**
- » Project status:  
**Initiated**

## CONTACT

Public Affairs Office  
(843) 963-5608

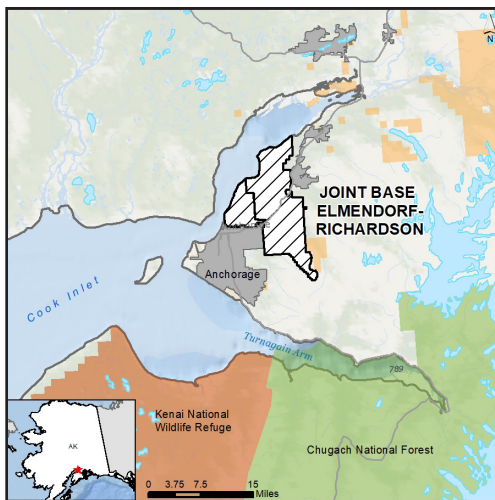


U.S. AIR FORCE - U.S. ARMY :

# JOINT BASE ELMENDORF-RICHARDSON: ALASKA



**T**he strategic location of Joint Base Elmendorf-Richardson (JBER) allows the installation to support several unique mission capabilities, including air superiority, global precision attack, agile combat support, and combat engineering. In addition, JBER's mountainous, rugged terrain allows Soldiers to conduct training activities in an environment that is similar to that of a modern battlefield. With over 55 tenant units, three Air Force wings, and one Army



Brigade, JBER supports crucial land and air operations for both the Air Force and the Army.

In recent years, encroachment pressure on JBER has grown significantly as the greater Anchorage area continues to grapple with population growth and urban sprawl. Incompatible development along the northeastern border of the installation has resulted in noise complaints and trespassing challenges, which

in turn have caused delays of training and testing activities on base. To protect its mission and mitigate future restrictions, JBER is working with partners to acquire restrictive use easements on properties that lie adjacent to the installation's training and maneuver ranges.

Much of the undeveloped land surrounding JBER has a diverse makeup of parks, wetlands, streams, lakes, and forests that provide habitat for avian, aquatic, and mammalian species—most notably bears and moose. These large mammals need adequate undeveloped space to thrive unhindered by human interference. Therefore, protecting this land ensures that military training capabilities, community recreation, and natural habitats are all preserved.

## BENEFIT SUMMARY

### COMMUNITY

- Provides recreational activities
- Preserves habitat for species
- Protects water resources

### MILITARY

- Improves operational safety
- Reduces lost training days
- Prevents workarounds that would have otherwise limited training capacity



Soldiers from 1st Squadron (Airborne), 40th Cavalry Regiment train in preparation for deployment at Joint Base Elmendorf-Richardson.

## KEY PARTNERS

- Compatible Lands Foundation
- DOI – U.S. Fish and Wildlife Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**0**
- » Transactions conducted:  
**0**
- » Total funds expended:  
**\$0**
- » Project status:  
**Initiated**

## CONTACT

Public Affairs Office  
(907) 552-8151

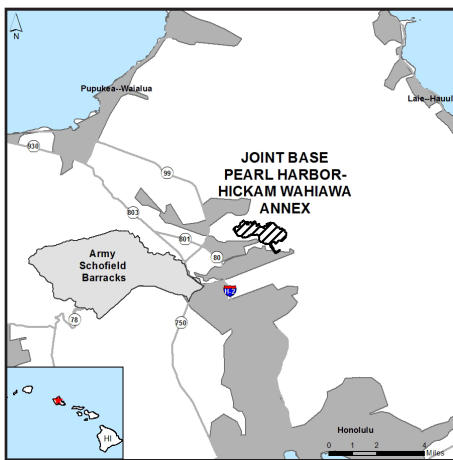


U.S. NAVY - U.S. AIR FORCE :

# JOINT BASE PEARL HARBOR-HICKAM WAHIAWA ANNEX : HAWAII



**J**oint Base Pearl Harbor-Hickam's Wahiawa Annex is a communication hub for the U.S. Navy and Department of Defense in the Pacific. The installation provides satellite-based, telephone and data communication services from antennas on the island of Oahu, which directly support the warfighter and other government missions globally. Antennas for low-earth orbiting satellites require 360 degree, clear view angles from five degrees above the horizon, meaning any development and tall obstructions on adjacent parcels can negatively impact the Department of Defense Navy's mission.



The lands surrounding the Wahiawa Annex are former farmlands owned by Dole Food Company, which wanted to divest itself of these parcels. Even partial obstructions on property to the south of the Annex compromise the quality and efficiency of transmitting and receiving the large volumes of voice and data communications required by the Wahiawa Annex mission. Through REPI, the Navy is working with the Trust for Public Land

to protect these surrounding lands from being incompatibly developed.

After acquiring the property, the Trust for Public Land will limit building heights, secure a security buffer for the Navy, and convey the land to the State of Hawaii for agricultural production. These efforts bolster state plans to jump-start farming and support needed agribusiness on Oahu. This project provides the additional benefit of maintaining undeveloped lands underneath an overflight area for operations from the nearby Wheeler Army Airfield, multiplying its value to DoD and the entire region.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves open space and agricultural land
- Supports ongoing regional planning efforts
- Bolsters the local economy

### MILITARY

- Protects communication antennae against obstructions and electromagnetic interference
- Improves operational security and reduces trespassing on military lands
- Prevents flight operations from additional noise complaints



Nearby pineapple fields and other agricultural lands (top), provide a buffer for the Navy's state-of-the-art Mobile User Objective System satellite dishes and narrowband tactical satellite communications system for improved ground communications for U.S. forces on the move (above).

## KEY PARTNERS

- City of Honolulu
- County of Honolulu
- State of Hawaii Agribusiness Development Corporation
- The Trust for Public Land

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**1,939**
- » Transactions conducted:  
**5**
- » Total funds expended:  
**\$18.8 million**
- » Project status:  
**In Progress**

## CONTACT

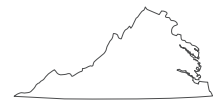
Community Plans and Liaison Office  
(808) 449-3138





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

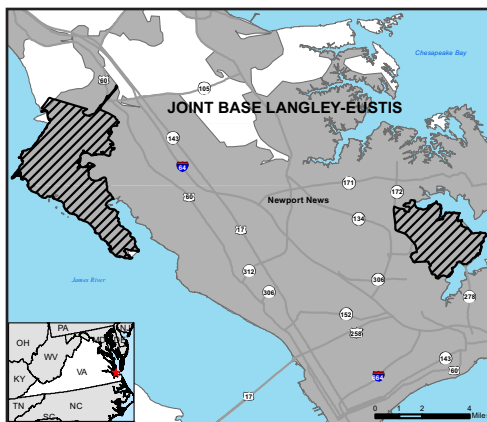
# JOINT BASE LANGLEY-EUSTIS : VIRGINIA



**J**oint Base Langley-Eustis (JBLE) is one of the first and oldest Air Force facilities in the U.S. and was founded on an undeveloped site near easy access to over-water flight areas. The airfield is now located amid the populous cities of Hampton and Newport News, Virginia, where it is an essential part of the local economy. JBLE is home to the headquarters of the Air Combat Command and houses units of the F-22 Raptor fighter jet and the T-38 Talon supersonic jet trainer. Although these units can currently meet their missions, development and obstructions along the base's western boundary present a continued risk to the safety of aviators

and the community.

Recognizing the base's importance and the need to address its encroachment concerns, the City of Hampton is working tirelessly with JBLE to acquire lands in the runway's compatible use and safety zones. A key part of this REPI project will be the ability to manage and control tree height on acquired lands, including



removal of any obstructions within the base's approach-departure surface. Securing these parcels will improve JBLE's airfield operations and benefit local health and safety.

This REPI partnership is a continuation of a close relationship between the base and its local community. Hampton has already acquired numerous parcels of their own accord within JBLE's safety and noise zones, and the partners are implementing the results of a recent Joint Land Use Study. This effort will also protect sensitive wetlands and allow for improved natural resources management, including addressing bird aircraft strike hazard concerns and their impact to the Air Force mission.

## BENEFIT SUMMARY

### COMMUNITY

- Supports coordinating with existing regional planning efforts
- Supports implementation of a Joint Land Use Study
- Protects sensitive ecosystems

### MILITARY

- Preserves live-fire training mission
- Increases operational safety
- Removes existing encroachment within the operational mission area



The first operational F/A-22 Raptor flies over nearby rural areas as it is delivered to its permanent home at Langley AFB (top). Located in the Hampton Roads metro area, Langley AFB is surrounded by development but has easy access to over-water flight areas (bottom).

## KEY PARTNERS

- City of Hampton

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**24**
- » Transactions conducted:  
**1**
- » Total funds expended:  
**\$349 thousand**
- » Project status:  
**Initiated**

## CONTACT

Public Affairs Office  
(757) 764-5701



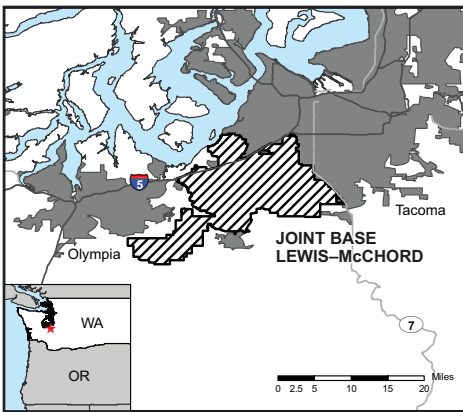


U.S. ARMY - U.S. AIR FORCE :

# JOINT BASE LEWIS-McCHORD : WASHINGTON



**L**ocated 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



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

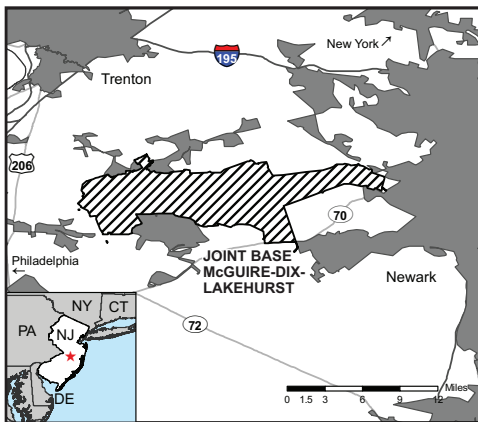


U.S. AIR FORCE - U.S. ARMY - U.S. NAVY :

# JOINT BASE McGUIRE-DIX-LAKEHURST : NEW JERSEY



**L**ocated in central New Jersey's pinelands, Joint Base McGuire-Dix-Lakehurst is a tri-Service installation that combines McGuire Air Force Base, Fort Dix, and Naval Air Engineering Station Lakehurst. However, outward growth from the greater New York and Philadelphia regions could impact air operations and training across the Joint Base. This includes training on the Assault Landing Zone site for transport aircraft, air transportation of troops, equipment, and supplies, and other joint operations and training exercises.



To ensure compatible land uses around the base, plans call for protecting a two-mile buffer that will preserve remaining open space and agricultural lands. Burlington and Ocean Counties and the state of New Jersey are helping to conserve lands that would threaten the military mission if developed, particularly within and around the Accident Potential Zones

of the base's runways. These lands will also expand a nearby wildlife area, providing habitat for a state-listed snake species while preventing light pollution. Preserving a dark night sky for transport aircraft pilots to train at landing in assault zones with night-vision goggles is vital for replicating combat conditions.

Of note in this project was one property that contains a cranberry bog and its highly valued natural resources. Additionally, protection of nearby lands helps preserve working farmlands, freshwater tributaries to the Toms River, and recreational uses in the area, while also maintaining the pinelands ecosystem.

## BENEFIT SUMMARY

### COMMUNITY

- Preserves working lands
- Supports existing regional planning objectives
- Provides habitat for wildlife

### MILITARY

- Preserves off-installation night flying capability through the buffering of high-noise areas
- Improves operational safety
- Provides for multi-Service missions and future mission growth



Airmen set up security measures at the Air Mobility Warfare Center (top). The first C-17 lands on a new Short Takeoff and Landing (STOL) runway protected by buffering (bottom).

## KEY PARTNERS

- Burlington County
- Burlington County Farmland Protection Program
- New Jersey Department of Environmental Protection
- New Jersey Pinelands Commission
- Ocean County
- State of New Jersey

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**9,192**
- » Transactions conducted:  
**58**
- » Total funds expended:  
**\$43.8 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office  
(609) 754-2104

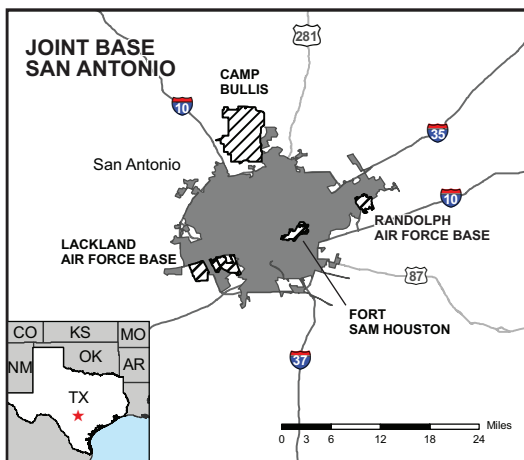


U.S. ARMY - U.S. AIR FORCE :

# JOINT BASE SAN ANTONIO-CAMP BULLIS : TEXAS



**H**ome to “the combat medic” and part of the newly formed Joint Base San Antonio, Camp Bullis hosts all student medic field training for the Department of Defense, as well as other training for Army and Air Force units. The post is the only field training location for the Joint Base, which is otherwise a heavily urbanized installation. With San Antonio’s quickly expanding suburbs threatening regional habitat for the golden-cheeked warbler (GCW), the resulting on-post endangered species restrictions are threatening Camp Bullis’s ability



to conduct training for its unique and critical mission.

To address these concerns and limit development, Camp Bullis’s partners are acquiring conservation lands and easements for GCW habitat, some as far as 25 miles away. Through a consultation under the Endangered Species Act, the post will be credited for promoting conservation of GCW habitat,

thereby helping thousands of acres of key training lands to be released from restrictions. This is allowing the post to clear dense, unoccupied habitat and increase its training area, enhancing training capabilities.

The efforts at Camp Bullis are also particularly noteworthy for the partnership with the city of San Antonio. The city donated over 3,000 acres valued at approximately \$15 million to the Texas Parks and Wildlife Department to be managed as habitat. Additionally, San Antonio introduced an endangered species ordinance that holds developers to strict species survey standards and other protections—a cutting-edge approach that has only been tried in one other state.

## BENEFIT SUMMARY

### COMMUNITY

- Protects working lands that benefit the local economy
- Supports existing regional planning efforts, including “green corridor” habitat connections for wildlife
- Protects endangered species and local water supplies

### MILITARY

- Protects live-fire artillery and ground vehicle maneuver training on-installation
- Mitigates noise concerns and improves operational safety



Preserving habitat for the golden-cheeked warbler (top) allows ground training sites at Camp Bullis to continue operation (bottom).

## KEY PARTNERS

- City of San Antonio
- Green Spaces Alliance
- Texas Parks and Wildlife Department
- The Nature Conservancy
- U.S. Fish and Wildlife Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**7,687**
- » Transactions conducted:  
**6**
- » Total funds expended:  
**\$33.8 million**
- » Project status:  
**Completed**

## CONTACT

Public Affairs Office  
(210) 808-1087



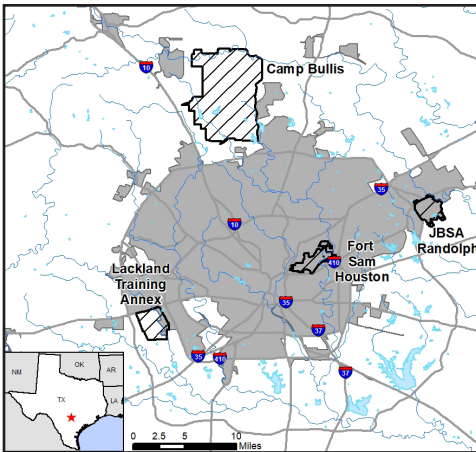


U.S. ARMY - U.S. AIR FORCE :

# JOINT BASE SAN ANTONIO-LACKLAND : TEXAS



**C**entrally located between U.S. coastlines, Joint-Base San Antonio (JBSA) is comprised of four primary locations: Randolph, Fort Sam Houston, Camp Bullis, and Lackland (LAK). Known as the “Gateway to the Air Force,” JBSA-LAK’s primary mission is to train and educate the entire enlisted corps



of the U.S. Air Force. JBSA-LAK is the only site for enlisted Basic Military Training; disruption to its mission would have an adverse impact on overall Air Force readiness.

Ongoing and planned incompatible development around JBSA-LAK threatens to limit or cease numerous training activities as outlined in a 2016 Installation Complex Encroachment Management Action Plan. This plan

concluded that noise complaints and light pollution, two likely side effects of increased development, would result in mission constraints such as reduced training days, limited use of new technologies, restricted nighttime training, and reduction of live-fire. Development in the area that serves as habitat to feral hogs, coyotes, and venomous snakes also has led to these species dispersing within the installation boundary, creating potential safety hazards to personnel. This REPI project will purchase development rights of lands adjacent to JBSA-LAK boundaries to promote compatible land use, strengthen the base’s mission, avoid costly work arounds and delays, and protect the safety of military personnel.

With the assistance from local partners such as Green Spaces Alliance and the San Antonio River Authority, this project will protect JBSA-LAK’s mission and the existing landscape; the proposed plan to protect buffer areas from incompatible development will help minimize the expansion of wildlife onto installation property due to loss of off-base natural habitat. The San Antonio Food Bank has also expressed interest in maintaining an urban farm on some of the land to benefit the local community.

## BENEFIT SUMMARY

### COMMUNITY

- Preserve off-base wildlife habitats
- Protects water resources

### MILITARY

- Reduces the potential for lost training days
- Preserves aviation maneuver and night flying training that produce significant noise or require minimal light pollution
- Ensures that existing compatible areas remain compatible



Welcome sign to JBSA-Lackland (top). Airmen and military training instructors march in a basic military training graduation parade (bottom).

## KEY PARTNERS

- Green Spaces Alliance
- San Antonio Food Bank
- San Antonio River Authority
- Port of San Antonio

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**0**
- » Transactions conducted:  
**0**
- » Total funds expended:  
**\$0**
- » Project status:  
**Initiated**

## CONTACT

Public Affairs Office  
(210) 671-2907



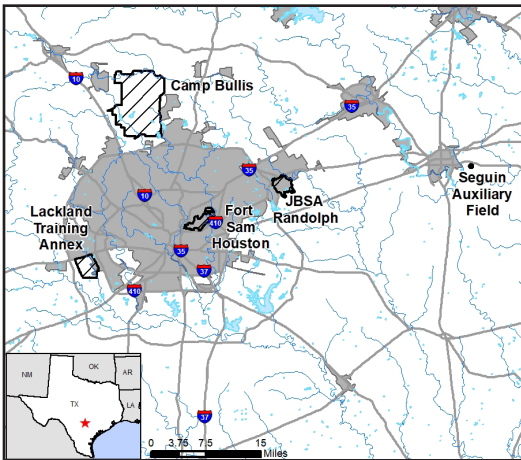


U.S. ARMY - U.S. AIR FORCE :

# JOINT BASE SAN ANTONIO-RANDOLPH : TEXAS



**C**entrally located between U.S. coastlines, Joint-Base San Antonio (JBSA) is comprised of four primary locations: Randolph (RND), Fort Sam Houston, Camp Bullis, and Lackland. For the past six years, JBSA-RND has been the busiest airport in the Air Force and is the only Air Force installation with dual simultaneous instrument approaches. Over 1,000 student pilots complete training at JBSA-RND each year, but JBSA-RND is susceptible to significant encroachment



challenges due to its placement in one of the fastest growing regions in the country.

In the past years, multiple new residential communities have been planned within JBSA-RND's Accident Potential Zones (APZ). This area, which is already considered high-risk for aircraft bird strikes, would become more densely populated leading to the

potential halt of T-38 flight operations—30 percent of the JBSA-RND flying mission. By expanding the installation boundary buffer through the purchase of priority land, more of the current T-38 noise contour would be included and future operations and training missions would be preserved.

JBSA will continue to organize via three different Installation Encroachment Management Teams (IEMTs) to support the geographically separated locations at JBSA RND, Lackland, and Camp Bullis. These teams will continue to serve as a focal point for all development requests from local municipalities. JBSA has plans to accelerate efforts with public-public and public-private partnerships in order to strengthen community engagement; ultimately enhancing community relations, highlighting the military's value to the communities and supporting mission sustainment.

## BENEFIT SUMMARY

### COMMUNITY

- Protects agricultural lands
- Protects water resources

### MILITARY

- Improves operational safety
- Ensures that existing compatible areas remain compatible
- Prevents workarounds that would have otherwise limited training capacity
- Ensures the ability to conduct operations and training activities



The JBSA-Randolph Tower is the headquarters for the 12th Flying Training Wing (top). T-38 "White Rocket" is on display in front of the 12th Flying Training Wing Headquarters at JBSA-Randolph (bottom).

## KEY PARTNERS

- Green Spaces Alliance
- Bexar County

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**151**
- » Transactions conducted:  
**1**
- » Total funds expended:  
**\$5.4 million**
- » Project status:  
**In Progress**

## CONTACT

Community Initiatives Mission  
Sustainment Office  
(210) 652-2114

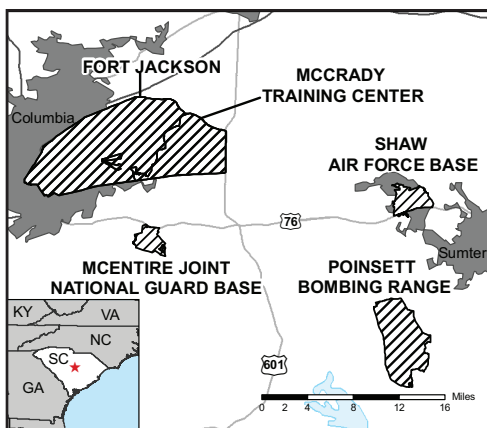


U.S. ARMY - U.S. AIR FORCE :

# MIDLANDS AREA JOINT INSTALLATION CONSORTIUM : SOUTH CAROLINA



**C**omprised of five military installations, the Midlands Area Joint Installation Consortium (MAJIC) formed in 2007 in response to a pressing need to protect training resources at Fort Jackson, Shaw Air Force Base, McEntire Joint National Guard Base, Poinsett Bombing Range, and McCrady Training Center. The area between the installations in the Midlands area of central South Carolina creates a 670-square-mile focus area for military operations, and the installations are used by personnel from all four Services for an array of training purposes.



MAJIC combines these installations' efforts to prevent increasing urban encroachment that could result in complaints about noise, dust, and smoke from military exercises. By reducing duplicative efforts and sharing lessons learned, MAJIC is working to ease incompatible development and possibly receive credits for red-

cockaded woodpecker recovery in order to alleviate current pressures on training.

These coordinated efforts are preventing housing from being developed in several areas important for military operations: under flight approach or helicopter routes, in locations that would result in noise complaints from live-fire artillery and vehicle maneuver training, and where light would affect night vision equipment for air-to-ground range operations. Meanwhile, the project advances regional efforts to sustain longleaf pine habitat and important watersheds, protect the local economy, and support national defense.

## BENEFIT SUMMARY

### COMMUNITY

- Protects working lands and local character that benefit the economy
- Supports existing regional planning efforts, including a Joint Use Land Study and "green corridors" for wildlife migration
- Protects endangered species

### MILITARY

- Protects on-installation live-fire artillery/bombing, vehicle maneuver, and helicopter training that produces significant amounts of noise
- Supports the ability to train for multi-Service missions



Preserved buffer land benefits vehicle maneuver exercises (top) and F-16 training (bottom).

## KEY PARTNERS

- Central Midlands Council of Governments
- City of Columbia
- City of Sumter
- Kershaw County
- Palmetto Conservation Foundation
- Richland County
- South Carolina Department of Commerce
- South Carolina Department of Health and Environmental Control
- South Carolina Department of Natural Resources
- Sumter County
- The Central Midlands Council of Governments
- The Congaree Land Trust
- The Conservation Fund
- U.S. Department of Agriculture-Natural Resources Conservation Service

## FAST FACTS THROUGH 30 SEP 2019

- » Acres preserved:  
**17,188**
- » Transactions conducted:  
**37**
- » Total funds expended:  
**\$25.8 million**
- » Project status:  
**In Progress**

## CONTACT

Public Affairs Office at Fort Jackson  
(803) 751-5272