



REPI

UNITED STATES DEPARTMENT OF DEFENSE
READINESS AND ENVIRONMENTAL
PROTECTION INTEGRATION PROGRAM

PROJECT PROFILES

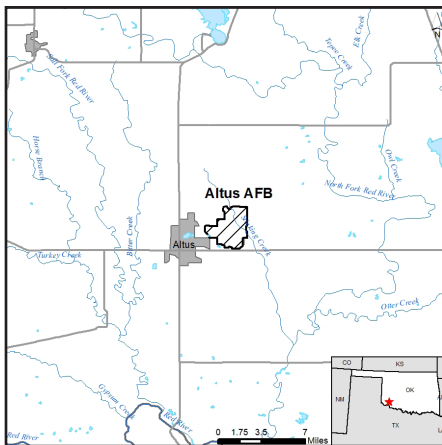
U.S. AIR FORCE | OKLAHOMA



ALTUS AIR FORCE BASE

Altus 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 2022

- ACRES PRESERVED:
0
- TRANSACTIONS CONDUCTED:
0
- TOTAL FUNDS EXPENDED:
\$0
- PROJECT STATUS:
Initiated

CONTACT

ALTUS AFB PUBLIC AFFAIRS:
(580) 481-7700



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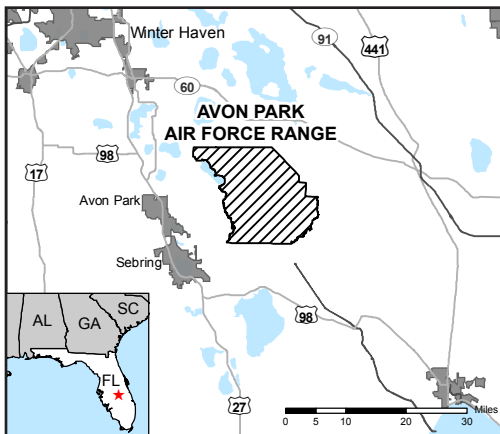
PROJECT PROFILES
U.S. AIR FORCE | FLORIDA



AVON PARK AIR FORCE RANGE

Avon 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 development pressures 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
- Conservation Florida
- 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 Conservation Fund
- The Nature Conservancy
- U.S. Department of Agriculture — Natural Resources Conservation Service
- U.S. Fish and Wildlife Service

FAST FACTS THROUGH 30 SEP 2022

- ACRES PRESERVED:
14,171
- TRANSACTIONS CONDUCTED:
13
- TOTAL FUNDS EXPENDED:
\$29.6 million
- PROJECT STATUS:
In Progress

CONTACT

AFCEC PUBLIC AFFAIRS:
(210) 925-0956



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UNITED STATES DEPARTMENT OF DEFENSE
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PROJECT PROFILES

U.S. AIR FORCE | CALIFORNIA

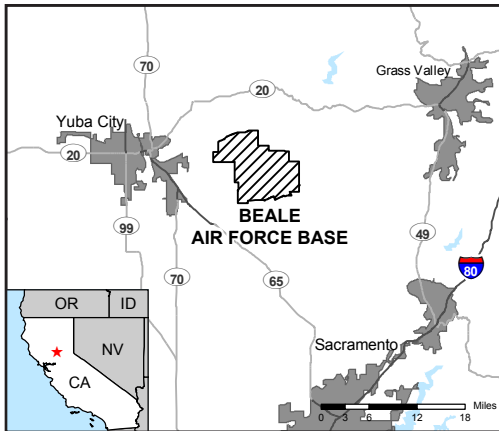


BEALE AIR FORCE BASE

Beale 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 development pressures 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 development pressures 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
- Maintains regional agricultural economy

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

- Bear Yuba Land Trust
- California Department of Fish and Wildlife
- California Department of Resources
- California Department of Transportation
- Sutter Buttes Regional Land Trust
- The Trust for Public Land
- Yuba County

FAST FACTS THROUGH 30 SEP 2022

- ACRES PRESERVED:
7,650
- TRANSACTIONS CONDUCTED:
6
- TOTAL FUNDS EXPENDED:
\$11.5 million
- PROJECT STATUS:
In Progress

CONTACT

PUBLIC AFFAIRS OFFICE:
(530) 634-8887



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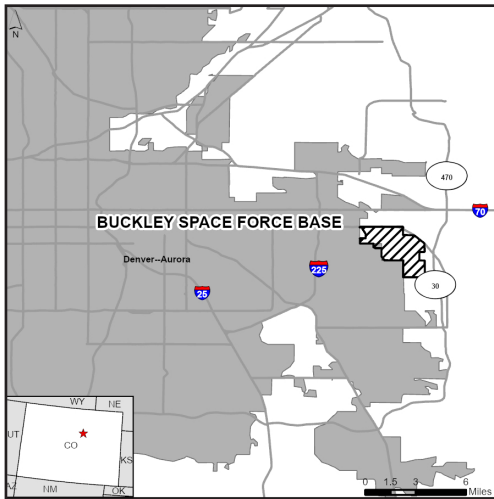
PROJECT PROFILES
U.S. AIR FORCE | COLORADO



BUCKLEY SPACE FORCE BASE

Buckley Space Force Base 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 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'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, 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'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.

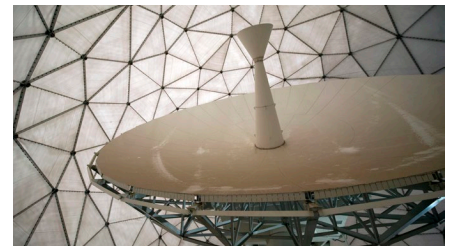
BENEFIT SUMMARY

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 (top). In addition to supporting its aviation mission, Buckley'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 2022

- ACRES PRESERVED:
663
- TRANSACTIONS CONDUCTED:
6
- TOTAL FUNDS EXPENDED:
\$20.8 million
- PROJECT STATUS:
Completed

CONTACT

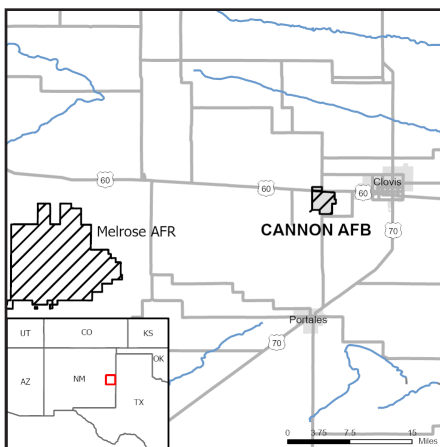
PUBLIC AFFAIRS OFFICE:
(720) 847-9431



CANNON AIR FORCE BASE

Cannon Air Force Base (AFB) is home to the 27th Special Operations Wing (SOW).

The base's location also makes it the western home of the Air Commando and other U.S. Special Operations Command components. The base and associated Melrose Air Force Range provide training for DOD and international coalition forces in Strike, Intelligence-Surveillance-Reconnaissance, Mobility, Battlefield Support, and Special Tactics and ground force missions.



Access to potable water at Cannon AFB is critical for mission sustainment. However, the water levels of the Ogallala Aquifer, Cannon AFB's best source of potable water, have been declining with a drastic reduction over the past 15 years. Based on current trends and water usage, the Ogallala Aquifer is predicted to be depleted in about 10 years, which could negatively impact the important missions currently executed at Cannon AFB. To mitigate water resource challenges on-installation and in the

surrounding communities, Cannon AFB will acquire conservation easements within the Paleo channel to manage and conserve water pumping at irrigation wells in the area. By protecting this area from being developed and encouraging water conservation methods, this project will enhance drought resilience and ensure a drought or other unforeseen events do not leave the water authority without a water supply. The project will also improve and restore rare and declining habitats, such as the Playa Lake which provides ground water recharge.

The sustainable management of irrigation wells and protected lands will lessen stress on the aquifer, increase the longevity of water resources in the area, and promote sustainable land management practices on surrounding agricultural lands thereby supporting the local agricultural economy. This project will also work to secure and sustain water resources for nearby impacted communities, cities, and townships along with Cannon AFB.

BENEFIT SUMMARY

COMMUNITY

- Protects water resources
- Supports wetlands and natural resource conservation
- Protects local economy

MILITARY

- Protects the base's critical missions for the foreseeable future
- Avoids disruption to air and cyberspace mission capabilities
- Reduces risk of training limitations from prolonged drought events



The New Mexico landscape provides an optimal training environment for aircrews operating aircraft such as the MC-130J Commando II (top) and unmanned aerial vehicles such as the MQ-9 Reaper (bottom). Airmen and women of the 27th Special Operations Wing are able to test and train on these aircraft and others at Cannon AFB.

KEY PARTNERS

- Central Curry Soil/Water Conservation District
- Natural Resources Conservation Service
- New Mexico Associates of Conservation Districts
- Ogallala Land and Water Conservancy
- Private Landowners
- Texas Agricultural Land Trust
- U.S. Air Force
- U.S. Fish and Wildlife Service

FAST FACTS THROUGH 30 SEP 2022

- ACRES PRESERVED:
0
- TRANSACTIONS CONDUCTED:
0
- TOTAL FUNDS EXPENDED:
\$0
- PROJECT STATUS:
Initiated

CONTACT

PUBLIC AFFAIRS OFFICE:
(575) 784-4131



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PROJECT PROFILES

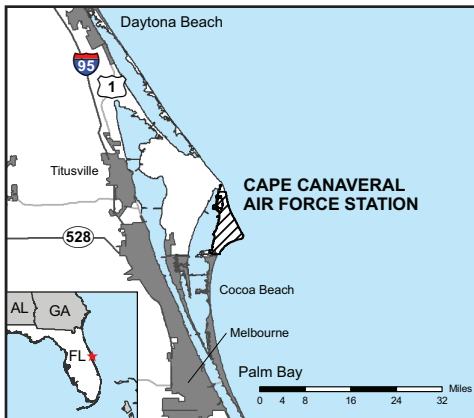
U.S. AIR FORCE | FLORIDA



CAPE CANAVERAL AIR FORCE STATION

The 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 2022

- ACRES PRESERVED: 190
- TRANSACTIONS CONDUCTED: 11
- TOTAL FUNDS EXPENDED: \$3.7 million
- PROJECT STATUS: Completed

CONTACT

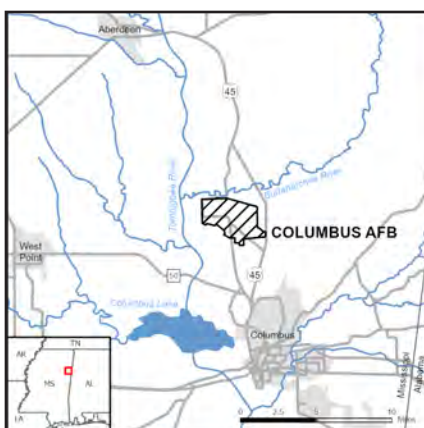
PUBLIC AFFAIRS OFFICE:
(321) 494-5933



COLUMBUS AIR FORCE BASE

Columbus Air Force Base (AFB) is home to the 14th Flying Training Wing and is one of three Specialized Undergraduate Pilot Training bases.

The Wing is responsible for an intensive 54-week Specialized Undergraduate Pilot Training program, aimed at substantially increasing the number of pilot trainees for the Air Force. Columbus AFB is also one of just two installations that conducts the Air Education and Training Aviation Leadership Program for the Chief of Staff of the Air Force and will be one of the few bases housing the T-X aircraft.



These critical Air Force training missions at Columbus AFB are at risk due to increased encroachment from development pressures created by planned highway expansion and local mine buyouts. Existing incompatible residential development in proximity to aircraft takeoff and landing areas is already creating public safety hazards and mission hindrances at the installation. Additionally, mine development is linked to increased bird concentrations which

would pose wildlife collision hazards to aircraft operations. New mining activity would also likely transfer substantial amounts of sediment into the Buttahatchee River which could also increase the occurrence of flooding in the area. Columbus AFB is aiming to acquire land around the installation through restrictive use easements to reduce incompatible residential and commercial development, including new mine development, around the installation.

The protected area around the installation would also provide ecosystem services such as water purification, carbon sequestration, and wildlife habitat. Most notably, these lands contain important habitat for the northern Long-Eared Bat, Red-Cockaded Woodpecker, and other threatened and endangered species and protecting it will limit the likelihood that these species seek refuge within installation boundaries.

BENEFIT SUMMARY

COMMUNITY

- Preserves habitat for threatened and endangered species
- Protects from environmental degradation associated with mine development
- Supports and enhances current ecosystem services

MILITARY

- Limits lost training days and physical hazards for student pilots
- Protects training capabilities
- Increases ability to support the growth of pilot trainees



The 14th Flying Training Wing at Columbus AFB is focused on training world class pilots and providing specialized training in the T-6 Texan II (top), T-38C Talon (bottom), and T-1A Jayhawk aircraft.

KEY PARTNERS

- Wildlife Mississippi

FAST FACTS THROUGH 30 SEP 2022

- ACRES PRESERVED:
0
- TRANSACTIONS CONDUCTED:
0
- TOTAL FUNDS EXPENDED:
\$0
- PROJECT STATUS:
Initiated

CONTACT

PUBLIC AFFAIRS OFFICE:
(862) 434-7068



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UNITED STATES DEPARTMENT OF DEFENSE
READINESS AND ENVIRONMENTAL
PROTECTION INTEGRATION PROGRAM

PROJECT PROFILES

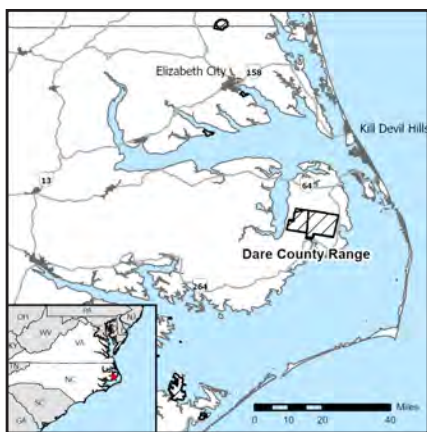
U.S. AIR FORCE | NORTH CAROLINA



DARE COUNTY RANGE

Located in Eastern North Carolina, the Dare County Range is the primary training range for F-15E aircraft crews from Seymour Johnson Air Force Base and the primary backyard range for all Atlantic fleet F/A-18 fighter-attack squadrons operating out of Naval Air Station Oceana.

The range is an electronic combat, day-night, and air-to-ground weapons training site critical to both installations and Joint Service special operations teams.



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 essential training range.

Easements acquired with project partners will prevent incompatible uses such as wind energy development in areas near the facility identified by range and air installation compatible use zone studies. The protected land includes habitat important for numerous species

such as the red-cockaded woodpecker, red wolf, and area-sensitive songbirds. Keeping the range buffered and in its natural state ensures that aircrews special operations teams and combat ground elements can continue their weapons training and Joint Tactical Air Control exercises.

Buffering the range also allows the Services to expand on current training tactics, techniques, and procedures, as well as support new training areas being planned and developed to continually enhance training adapted to the war fighting efforts throughout the world. 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 limited and significant habitat
- Brings together new partners

MILITARY

- Increases operational safety
- Supports multiple Service missions
- Reduces incompatible land uses under military airspace
- Promotes effective training areas and capabilities
- Encourages training improvements through secured working parameters
- Allows for interagency developments designed to support the public



F-15E dropping inert ordnance (top). The range includes forested wetlands and other habitat (bottom).

KEY PARTNERS

- North Carolina Department of Agriculture and Consumer Services
- USDA Natural Resources Conservation Service
- Working Lands Trust, Inc.

FAST FACTS THROUGH 30 SEP 2022

- ACRES PRESERVED:
21,618
- TRANSACTIONS CONDUCTED:
24
- TOTAL FUNDS EXPENDED:
\$26.9 million
- PROJECT STATUS:
In Progress

CONTACT

PUBLIC AFFAIRS OFFICE
SEYMOUR JOHNSON AIR FORCE BASE:
(919) 722-0027



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UNITED STATES DEPARTMENT OF DEFENSE
READINESS AND ENVIRONMENTAL
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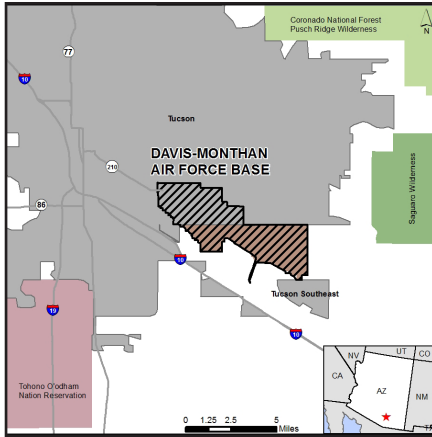
PROJECT PROFILES

U.S. AIR FORCE | ARIZONA



DAVIS MONTHAN AIR FORCE BASE

Davis-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 development pressures 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 2022

- ACRES PRESERVED: 536
- TRANSACTIONS CONDUCTED: 123
- TOTAL FUNDS EXPENDED: \$12.7 million
- PROJECT STATUS: In Progress

CONTACT

PUBLIC AFFAIRS OFFICE:
(520) 228-3406



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PROJECT PROFILES

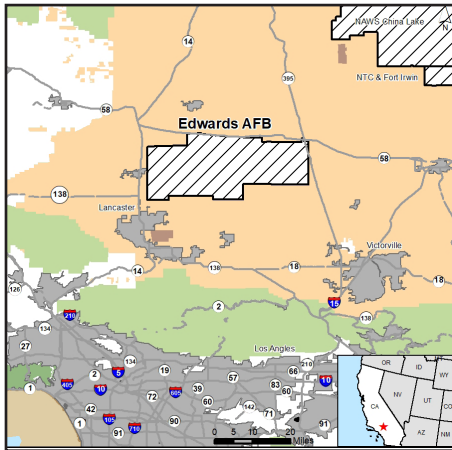
U.S. AIR FORCE | CALIFORNIA



EDWARDS AIR FORCE BASE

Edwards Air Force Base (AFB) is home to the 412th Test Wing and the United States Air Force Test Pilot School.

The 412th conducts research, development, test, and evaluation of aerospace systems. With direct access to nearly two million acres of military special use airspace around Edwards AFB, the 412th Test Wing advances airborne systems,



including but not limited to avionics, electronic combat, autonomy, and surveillance.

The 412th Test Wing's work requires an environment free of radio frequency interference. The increased urban and renewable energy development in the vicinity of the installation complex threatens its continued success. Wind energy development in California has already impacted the ideal testing environment at Edwards AFB.

Additionally, light generated from new residential development in the Antelope Valley interferes with precision testing equipment that requires a dark night sky. Increased urban development could also generate a rise in noise complaints that could further restrict the installation's flying mission.

Edwards AFB has partnered with local organizations to protect land around the installation to avoid increased radar spectrum interference, flight path obstruction, and noise impacts. In addition to sustaining the mission, protecting surrounding land from urban development will create a critical wildlife corridor between the coastal and Sierra Nevada mountain ranges. A desert tortoise migration project planned for this corridor could also protect this species, which is listed as threatened under the Endangered Species Act, it could also help limit the potential regulatory burden on the installation.

BENEFIT SUMMARY

COMMUNITY

- Provides habitat for threatened species and connects to a wildlife corridor
- Supports regional planning efforts
- Supports compatible development including possible solar energy sources

MILITARY

- Protects existing airspace and radar capabilities
- Protects the 412th Test Wing's unique mission
- Ensures that existing compatible areas remain compatible



The 412th Test Wing's mission includes the operation and maintenance of the B-1B Lancer and the KC-46 Pegasus, picture above flying over Edwards Air Force Base, California.

KEY PARTNERS

- Conservation Resources
- Trust for Public Land

FAST FACTS THROUGH 30 SEP 2022

- ACRES PRESERVED:
14,631
- TRANSACTIONS CONDUCTED:
1
- TOTAL FUNDS EXPENDED:
\$5.5 million
- PROJECT STATUS:
In progress

CONTACT

PUBLIC AFFAIRS OFFICE:
(661) 277-3510



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UNITED STATES DEPARTMENT OF DEFENSE
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PROTECTION INTEGRATION PROGRAM

PROJECT PROFILES

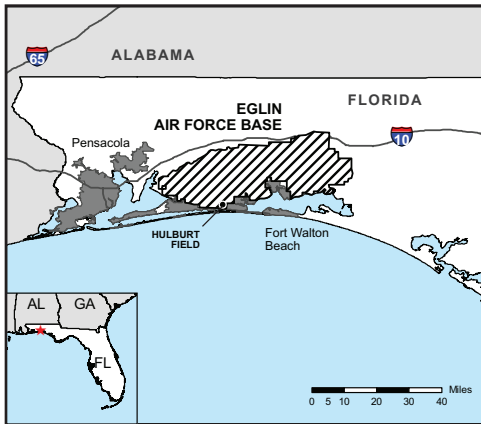
U.S. AIR FORCE | FLORIDA



EGLIN AIR FORCE BASE

Located 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 is host to Joint Strike Fighter training that requires the Air Force to fly at low levels into the Eglin range from Eglin Gulf Test and Training Range (EGTTR) airspace.



To guard against development pressures near future critical 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 home to Joint Strike Fighter training for Air Force pilots as well as maintainers from the Air Force, Navy, and Marine Corps, requiring open space for low-altitude maneuvers (top). REPI projects support Longleaf Pine habitat (bottom).

KEY PARTNERS

- City of Niceville
- Compatible Lands Foundation
- 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 Foundation
- Okaloosa County
- Okaloosa County Water and Sewer Department
- State of Florida
- The Longleaf Alliance
- The Nature Conservancy
- U.S. Fish and Wildlife Service

FAST FACTS THROUGH 30 SEP 2022

- **ACRES PRESERVED:**
24,027
- **TRANSACTIONS CONDUCTED:**
5
- **TOTAL FUNDS EXPENDED:**
\$24.8 million
- **PROJECT STATUS:**
In Progress

CONTACT

PUBLIC AFFAIRS OFFICE:
(850) 882-3931



REPI

UNITED STATES DEPARTMENT OF DEFENSE
READINESS AND ENVIRONMENTAL
PROTECTION INTEGRATION PROGRAM

PROJECT PROFILES

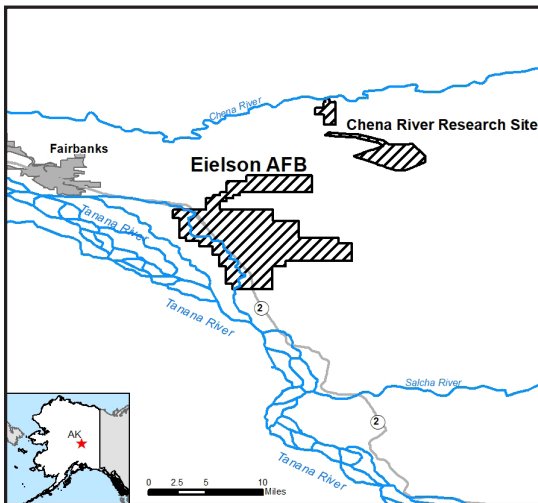
U.S. AIR FORCE | ALASKA



EIELSON AIR FORCE BASE

Eielson Air Force Base (AFB) is home to the 354th Fighter Wing, which performs close air support, battlefield air interdiction, and wartime operations support.

Eielson AFB is one of the military's most strategically located installations with two F-35A squadrons able to provide fifth generation combat-ready forces anywhere in the northern hemisphere. Located approximately 22 miles from Fairbanks, the main installation of Eielson consists of almost 20,000 acres to support core missions. The base also manages almost 38,000 acres over four other locations in the area.



Despite the area around Eielson AFB being primarily undeveloped, most of the properties surrounding the base are zoned such that any type of development can occur with very little restriction. Population growth in the area could quickly result in increased residential and commercial development around the base and disruption to the installation's training mission. This project will protect the land surrounding the

installation from development pressures and limit radar, safety, and noise concerns that could significantly hinder the installation's fixed-wing flight capabilities.

Using project funding, partners will acquire conservation easements on critical wetland sites on private lands adjacent to Eielson AFB and the Tanana and Salcha Rivers, a major watershed that provides habitat for fish and wildlife south of Eielson. This land will be preserved in perpetuity, protecting Eielson from development pressures and limiting non-point source pollution in the Tanana River watershed.

BENEFIT SUMMARY

COMMUNITY

- Preserves Salcha River and Tanana River watershed
- Limits development pressures

MILITARY

- Reduces the risk of training disruptions
- Promotes mission sustainment



Aircraft assigned to the 354th Fighter Wing and 168th Wing park in formation on Eielson AFB (top). Due to Eielson AFB's location, the base hosts many visiting aircrews that come to conduct cold-weather training, such as the 931st Air Refueling Wing with this KC-46A Pegasus (bottom).

KEY PARTNERS

- Ducks Unlimited
- Interior Alaska Land Trust
- Salcha Delta Soil and Water Conservation District
- The Conservation Fund
- USDA National Resources Conservation Service

FAST FACTS THROUGH 30 SEP 2022

- ACRES PRESERVED:
0
- TRANSACTIONS CONDUCTED:
0
- TOTAL FUNDS EXPENDED:
0
- PROJECT STATUS:
Initiated

CONTACT

PUBLIC AFFAIRS OFFICE:
(907) 377-2116



REPI

UNITED STATES DEPARTMENT OF DEFENSE
READINESS AND ENVIRONMENTAL
PROTECTION INTEGRATION PROGRAM

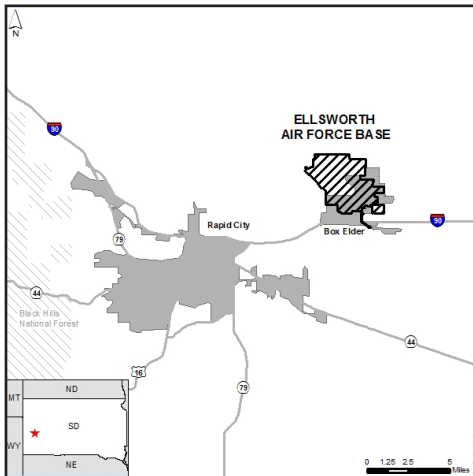
PROJECT PROFILES

U.S. AIR FORCE | SOUTH DAKOTA



ELLSWORTH AIR FORCE BASE

Ellsworth 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
- Office of Economic Adjustment
- Office of Local Defense Community Cooperation
- Pennington County
- Rapid City
- South Dakota Ellsworth Development Authority
- West River Foundation

FAST FACTS THROUGH 30 SEP 2022

- ACRES PRESERVED:
2,874
- TRANSACTIONS CONDUCTED:
75
- TOTAL FUNDS EXPENDED:
\$17.5 million
- PROJECT STATUS:
In Progress

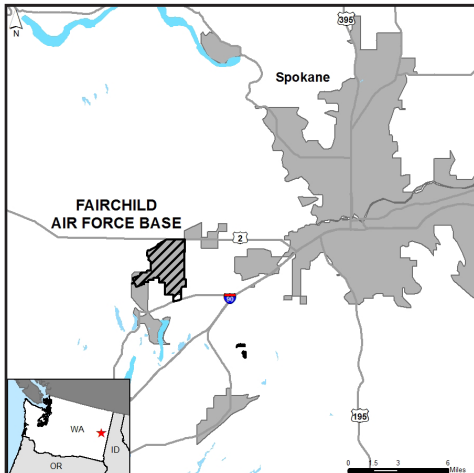
CONTACT

28TH BOMB WING PUBLIC AFFAIRS OFFICE:
(605) 385-5056



FAIRCHILD AIR FORCE BASE

Fairchild Air Force Base (AFB), located just 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. Spokane County recognized the economic importance of protecting the Air Force mission and provided funding for this REPI project. The purchase of this land by Spokane County and the subsequent rezoning to a compatible land use will eliminate a possible encroachment in the future.

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

- Compatible Lands Foundation
- Natural Resource Conservation Service
- Spokane County
- The Conservation Fund
- Washington State Department of Commerce

FAST FACTS THROUGH 30 SEP 2022

- ACRES PRESERVED:
150
- TRANSACTIONS CONDUCTED:
1
- TOTAL FUNDS EXPENDED:
\$600 thousand
- PROJECT STATUS:
Completed

CONTACT

PUBLIC AFFAIRS OFFICE:
(509) 247-5705



REPI

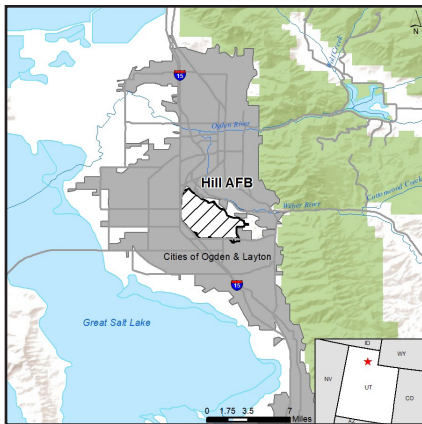
UNITED STATES DEPARTMENT OF DEFENSE
READINESS AND ENVIRONMENTAL
PROTECTION INTEGRATION PROGRAM

PROJECT PROFILES
U.S. AIR FORCE | UTAH

HILL AIR FORCE BASE

Employing 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 development pressures. 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 development pressures 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
- Utah Military Installation Development Authority

FAST FACTS THROUGH 30 SEP 2022

- ACRES PRESERVED: 14
- TRANSACTIONS CONDUCTED: 2
- TOTAL FUNDS EXPENDED: \$2.1 million
- PROJECT STATUS: Initiated

CONTACT

PUBLIC AFFAIRS OFFICE:
(801) 777-5201



REPI

UNITED STATES DEPARTMENT OF DEFENSE
READINESS AND ENVIRONMENTAL
PROTECTION INTEGRATION PROGRAM

PROJECT PROFILES

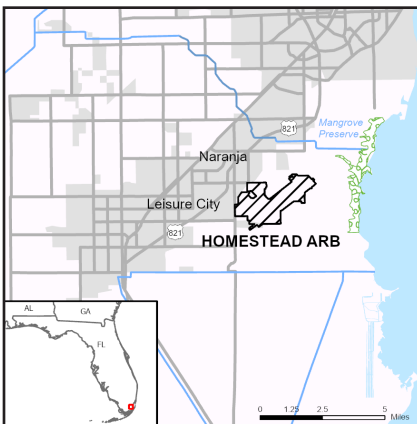
U.S. AIR FORCE | FLORIDA



HOMESTEAD AIR RESERVE BASE

Homestead Air Reserve Base (ARB) is home to the 482nd Fighter Wing (FW) and hosts year-round counter-land, counter-sea, and counter-air operations training to provide combat-ready airmen and airwomen.

Located at the southernmost tip of the continental United States, Homestead ARB provides a convenient launching point for military and humanitarian operations in the Caribbean and Latin America. Homestead ARB's training mission requires both daytime and nighttime operations as well as low-altitude aviation and



explosive ordnance disposal operations. In addition, Homestead ARB is home to the most active North American Aerospace Defense Command alert site in the continental United States, operated by the 125th FW of the Florida Air National Guard, which occasionally necessitates urgent response times and causes sonic booms.

Noise and safety risks associated with the vital aviation training and national security missions at Homestead ARB

are exacerbated by dense urban development. Furthermore, sea level rise and an increase in storm surge magnitude and storm event frequency due to climate change threaten Homestead ARB's mission capabilities because of the increased probability for potential damages or flooding which may delay or halt mission activities. To ensure the Homestead ARB's mission and the community continue to grow in a compatible and mutually beneficial manner, Homestead ARB's REPI project focuses on conserving agricultural and natural lands near the installation to achieve mission sustainment and environmental goals.

The preservation of farmland and natural lands will prevent development pressures which could reduce or restrict installation operations, support the continuation of the economically important agricultural industry in Miami-Dade County, and provide installation storm buffering protections. The preserved land will also serve as a valuable aquifer recharge area for the community.

BENEFIT SUMMARY

COMMUNITY

- Reduces long-term and short-term flood risks
- Preserves wildlife habitat and aquifers
- Supports the integral agricultural industry

MILITARY

- Reduces the risk of mission interruptions
- Limits noise complaints and light pollution
- Protects continuation of training missions



The counter-land, counter-air, and counter-sea training and humanitarian operations at Homestead ARB require airmen and airwomen to be ready for rapid response in the event of any emergency (top). These rapid response times ensure that units are prepared in the event of a national security emergency, humanitarian crisis, or relief effort (bottom).

KEY PARTNERS

- Conservation Florida
- South Florida Water Management District
- Miami-Dade County Environmentally Endangered Lands Program
- Miami-Dade County Purchase of Development Rights Program

FAST FACTS THROUGH 30 SEP 2022

- ACRES PRESERVED:
0
- TRANSACTIONS CONDUCTED:
0
- TOTAL FUNDS EXPENDED:
\$0
- PROJECT STATUS:
Initiated

CONTACT

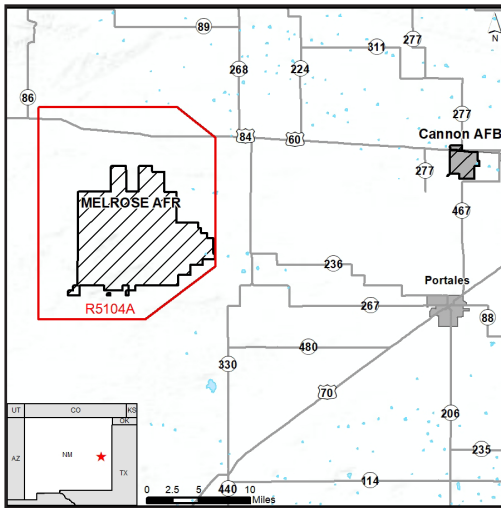
PUBLIC AFFAIRS OFFICE:
(786) 415-7330



MELROSE AIR FORCE RANGE

Melrose 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 development pressures.

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.

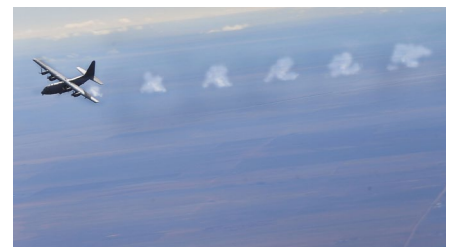
BENEFIT SUMMARY

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

FAST FACTS THROUGH 30 SEP 2022

- ACRES PRESERVED:
30,493
- TRANSACTIONS CONDUCTED:
1
- TOTAL FUNDS EXPENDED:
\$3.1 million
- PROJECT STATUS:
In Progress

CONTACT

PUBLIC AFFAIRS OFFICE:
(575) 784-4131



REPI

UNITED STATES DEPARTMENT OF DEFENSE
READINESS AND ENVIRONMENTAL
PROTECTION INTEGRATION PROGRAM

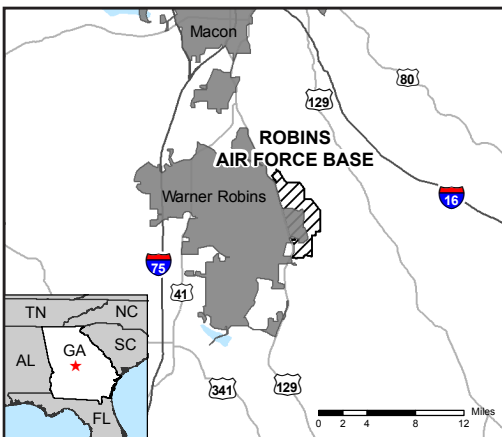
PROJECT PROFILES
U.S. AIR FORCE | GEORGIA



ROBINS AIR FORCE BASE

Robins 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 development pressures, 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 development pressures 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 2022

- ACRES PRESERVED:
736
- TRANSACTIONS CONDUCTED:
215
- TOTAL FUNDS EXPENDED:
\$19.7 million
- PROJECT STATUS:
Completed

CONTACT

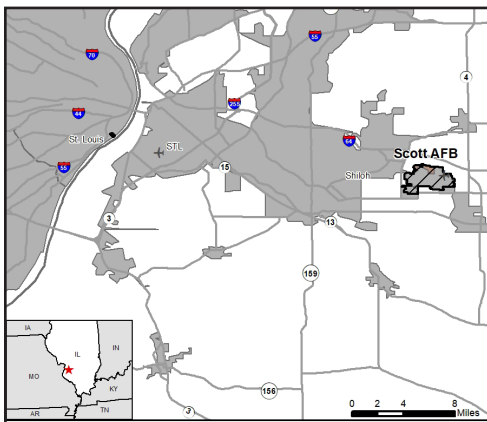
PUBLIC AFFAIRS OFFICE:
(478) 926-2137



SCOTT AIR FORCE BASE

Located just outside of St. Louis, Missouri, Scott Air Force Base (AFB) is home to the 375th Air Mobility Wing and serves as headquarters to several commands and operational units.

The 375th Air Mobility Wing primarily carries out air mobility operations and aircraft maintenance of its fleet of C-21A. As part of the overall mission, and in cooperation with National Guard and Reserve personnel of the 932nd Airlift Wing and the 126th Air Refueling Wing, operating and maintaining fleets of KC-135 and



C-40 aircraft (respectively), Scott Air Force Base executes all three of Air Mobility Command's core capabilities: airlift, air refueling, and aeromedical evacuation. This mission, however, is severely impacted during recurring flooding events.

During flooding events, stormwater runoff flows through Scott AFB, forcing the installation to cease its air mobility mission and

evacuate non-essential personnel for the duration of the flood. These flooding events threaten mission capabilities, future construction potential, and training operations, in addition to attracting waterfowl that create safety hazards for aircraft operations. Increased severity and frequency of stormwater runoff and flooding will increase the area and duration of time that waterfowl inhabit the installation, exacerbate safety concerns, and jeopardize the integrity of a primary taxiway between Scott AFB and MidAmerica Airport due to erosion. Together with its partners, Scott AFB will create conservation easements off-installation to increase stormwater storage capacity thereby promoting installation resilience and protecting the mission from encroachment threats.

Along with reducing the mission impacts from flooding events, this project will promote an improved ecosystem. Flood storage and improved water quality in the area will benefit the health and safety of the habitats for native fish, invertebrate plants, and animal species in the floodplain of the Silver Creek watershed and surrounding areas. This project will protect multiple federally listed threatened and endangered species.

BENEFIT SUMMARY

COMMUNITY

- Conserves watershed and floodplain ecosystems
- Improves water quality
- Protects threatened and endangered species

MILITARY

- Reduces the risk of mission interruptions
- Protects training capabilities
- Increases reliability of support for national mobility requirement



Protecting Scott Air Force Base from encroachment will also protect the Air Mobility Command's key capabilities including refueling operations seen here. The Air National Guard's 126th Air Refueling Wing at Scott Air Force Base uses a KC-135R Stratotanker to refuel F-16C Fighting Falcons, (above; Tech. Sgt. Jonathon LaDue). Scott Air Force Base Airmen also receive training for "hot refueling", which is carried out while the helicopter is still running (below; Senior Airman Tristin English).

KEY PARTNERS

- Heartlands Conservancy

FAST FACTS THROUGH 30 SEP 2022

- ACRES PRESERVED: 0
- TRANSACTIONS CONDUCTED: 0
- TOTAL FUNDS EXPENDED: 0
- PROJECT STATUS: Initiated

CONTACT

PUBLIC AFFAIRS OFFICE:
(618) 256-4241



REPI

UNITED STATES DEPARTMENT OF DEFENSE
READINESS AND ENVIRONMENTAL
PROTECTION INTEGRATION PROGRAM

PROJECT PROFILES

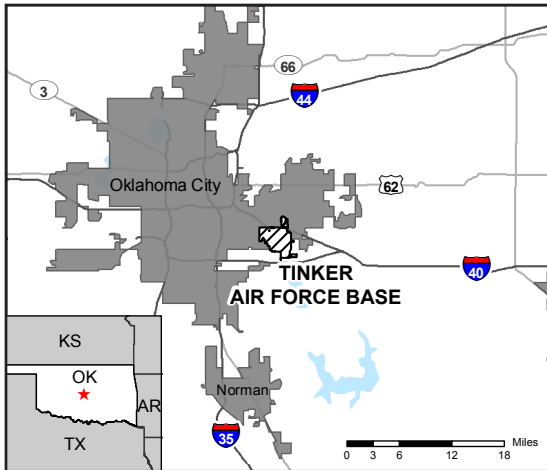
U.S. AIR FORCE | OKLAHOMA



TINKER AIR FORCE BASE

Tinker 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 2022

- ACRES PRESERVED:
19
- TRANSACTIONS CONDUCTED:
2
- TOTAL FUNDS EXPENDED:
\$494 thousand
- PROJECT STATUS:
In Progress

CONTACT

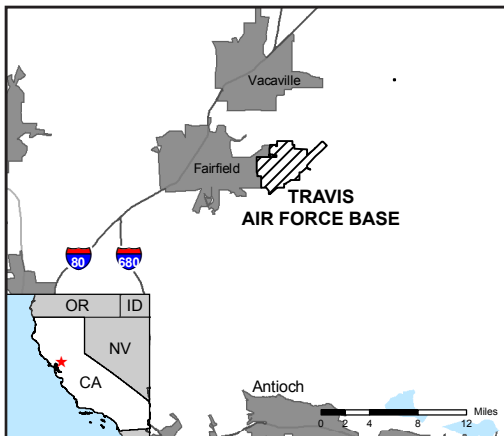
PUBLIC AFFAIRS OFFICE:
(405) 739-2026



TRAVIS AIR FORCE BASE

Located 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
- The Conservation Fund
- Trust for Public Land

FAST FACTS THROUGH 30 SEP 2022

- ACRES PRESERVED:
321
- TRANSACTIONS CONDUCTED:
2
- TOTAL FUNDS EXPENDED:
\$3.7 million
- PROJECT STATUS:
In Progress

CONTACT

PUBLIC AFFAIRS OFFICE:
(707) 424-2010



REPI

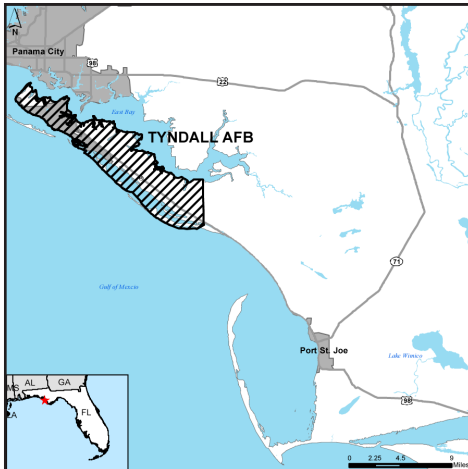
UNITED STATES DEPARTMENT OF DEFENSE
READINESS AND ENVIRONMENTAL
PROTECTION INTEGRATION PROGRAM

PROJECT PROFILES
U.S. AIR FORCE | FLORIDA



TYNDALL AIR FORCE BASE

Tyndall 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. Tyndall is also working to create an "Installation of the Future" as part of their recovery from Hurricane Michael by increasing resiliency from future climate change impacts. This includes protecting the installation's infrastructure, shoreline, and other coastal areas from storm surge and sea level rise. 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 implementing off-shore nature-based coastal resilience projects, developing an overall Coastal Resilience Plan, and leveraging a variety of federal and state funding sources and existing conservation programs to improve mission assurance and increase the resilience of ecosystems on and off base.

BENEFIT SUMMARY

COMMUNITY

- Supports a designated green wildlife corridor
- Protects coastal areas from climate change impacts
- 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

- Bay County
- Florida Department of Environmental Protection
- Franklin's Promise
- Jacobs
- Naval Research Laboratory
- The Nature Conservancy
- University of Florida

FAST FACTS THROUGH 30 SEP 2022

- ACRES PRESERVED:
3,047
- TRANSACTIONS CONDUCTED:
1
- TOTAL FUNDS EXPENDED:
\$5.3 million
- PROJECT STATUS:
In Progress

CONTACT

PUBLIC AFFAIRS OFFICE:
(850) 283-4500



REPI

UNITED STATES DEPARTMENT OF DEFENSE
READINESS AND ENVIRONMENTAL
PROTECTION INTEGRATION PROGRAM

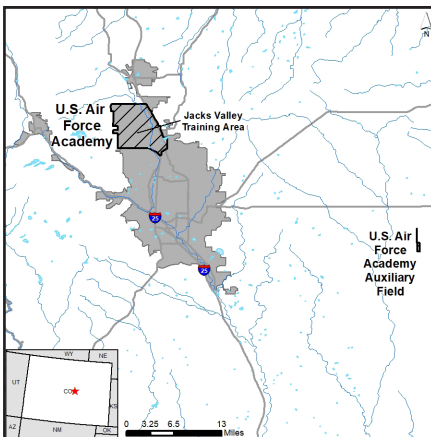
PROJECT PROFILES

U.S. AIR FORCE | COLORADO

U.S. AIR FORCE ACADEMY

The 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.

Flying programs have been a significant part of Academy education for more than 50 years and are necessary to continue recruiting the best pilots to the Air Force and combat our national pilot shortage. Using the 1,100-acre USAFA Airfield, approximately 650 Cadets complete Powered Flight Training, 500 complete



Soaring Training, and 750 complete Parachute Training annually.

Flight training is at risk due to increased urban higher-rise development and increased demand for wind turbines under flight training areas and around Bullseye Auxiliary Airfield to the east of USAFA. USAFA is working with the Trust for Public Land to establish conservation easements protecting the existing agricultural use and flight training operations on approximately 48,000

acres of land around Bullseye Airfield and under two of the aerial Training Areas. This REPI project will strengthen military readiness and help conserve agricultural land, and help protect nearly \$1 billion in annual economic contributions USAFA makes to the community.

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
- Protects agricultural land that provides economic benefit

MILITARY

- Prevents workarounds that would reduce training capacity
- Increases operational safety
- Reduces lost training



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

- The Nature Conservancy
- Trust for Public Land

FAST FACTS THROUGH 30 SEP 2022

- ACRES PRESERVED:
0
- TRANSACTIONS CONDUCTED:
0
- TOTAL FUNDS EXPENDED:
\$0
- PROJECT STATUS:
Initiated

CONTACT

PUBLIC AFFAIRS OFFICE:
(719) 333-7731



REPI

UNITED STATES DEPARTMENT OF DEFENSE
READINESS AND ENVIRONMENTAL
PROTECTION INTEGRATION PROGRAM

PROJECT PROFILES

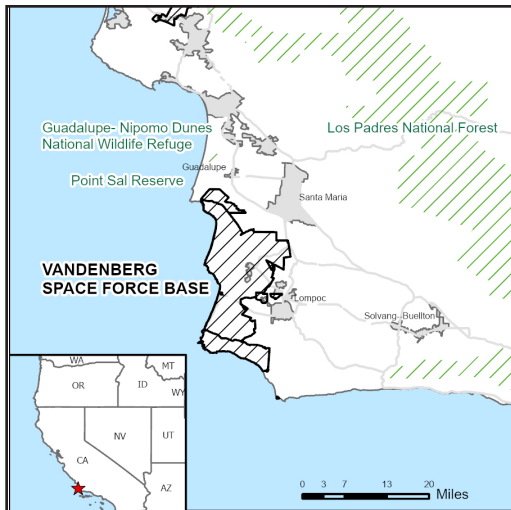
U.S. AIR FORCE | CALIFORNIA



VANDENBERG SPACE FORCE BASE

Vandenberg Space Force Base is one of the primary west coast tactical Air Force locations.

Operated by Space Launch Delta 30, 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 \$500 million, the base supports a valuable testing and operational 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 Trust for Santa Barbara County and others, Vandenberg is protecting land within the base's airspace and within the Impact Limit Line

(ILL) for rocket launches. A conservation easement in the Dangermond Preserve will protect areas within the ILL, secure current and increasing future missions, and pave the way to expand the ILLs for larger launches. Currently, 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 \$1 million a day.

Limiting development in the Dangermond Preserve will also ensure the maintenance of a near-pristine natural landscape and enhance Vandenberg's ability to protect the 18 threatened and endangered species identified on the base. As part of this project, The Nature Conservancy is looking to build off these efforts to create a collaborative hub of international research and further local and regional conservation efforts.

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
- Paves way to expand ILLs for larger launches



The Delta IV Heavy rocket stands 235 feet tall and is America's most powerful liquid-fueled rocket (top). Photo of Dangermond Preserve, provided by The Land Trust for Santa Barbara County (bottom).

KEY PARTNERS

- California State Coastal Conservancy
- Land Conservancy of San Luis Obispo
- Land Trust for Santa Barbara County
- 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 2022

- ACRES PRESERVED:
951
- TRANSACTIONS CONDUCTED:
2
- TOTAL FUNDS EXPENDED:
\$5.2 million
- PROJECT STATUS:
In Progress

CONTACT

PUBLIC AFFAIRS OFFICE:
(805) 606-3595



REPI

UNITED STATES DEPARTMENT OF DEFENSE
READINESS AND ENVIRONMENTAL
PROTECTION INTEGRATION PROGRAM

PROJECT PROFILES

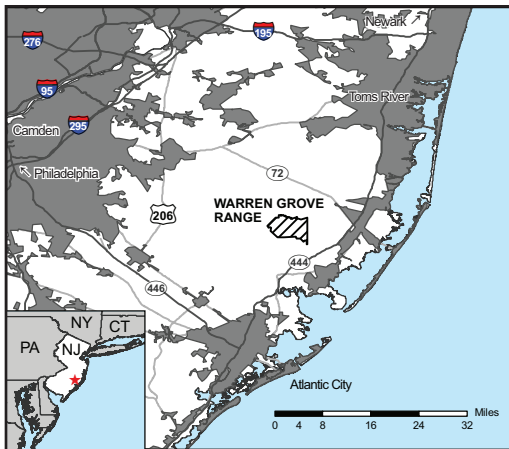
U.S. AIR FORCE | NEW JERSEY



WARREN GROVE RANGE

One 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 2022

- ACRES PRESERVED: 179
- TRANSACTIONS CONDUCTED: 5
- TOTAL FUNDS EXPENDED: \$444 thousand
- PROJECT STATUS: Completed

CONTACT

PUBLIC AFFAIRS OFFICE:
(609) 761-6259