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UNITED STATES DEPARTMENT OF DEFENSE
READINESS AND ENVIRONMENTAL
PROTECTION INTEGRATION PROGRAM

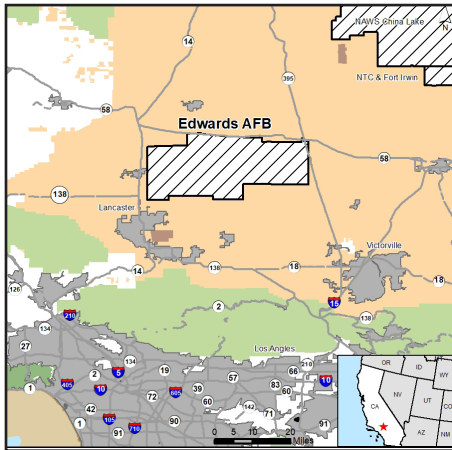
PROJECT PROFILES
U.S. AIR FORCE | CALIFORNIA



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