



Air Installations Compatible Use Zones Study

Homestead Air Reserve Base, Florida



Air Installations Compatible Use Zones Program

The Department of Defense's (DoD's) Air Installations Compatible Use Zones (AICUZ) Program balances the needs of aircraft operations with community concerns by focusing on promoting public health, safety, and welfare while seeking development that is compatible with the defense flying mission. This brochure summarizes the

Homestead Air Reserve Base (ARB), Florida 2020 AICUZ Study. The 2020 AICUZ Study provides an update to the 2007 Homestead ARB AICUZ Study. The update documents changes in flight operations and noise contours and provides compatible land use guidelines for land areas surrounding Homestead ARB.

Land close to Homestead ARB has the potential to be exposed to increased noise levels and may be within aircraft safety zones. Without compatible land use controls, development in these areas surrounding the airfields could result in incompatible uses that create conflicts between military flight operations and landowners.



Homestead Air Reserve Base

The primary mission of Homestead ARB is to recruit, organize, and train reservists to be prepared for active duty deployment in time of war or national emergency, and to support national security objectives. The host unit of Homestead ARB is the 482nd Fighter Wing (FW) of the Air Force Reserve Command's Tenth Air Force. The 482nd FW's mission is to deploy combat ready airmen to combatant commanders. The 482nd FW includes the 93rd Fighter Squadron, the "Makos", which fly the F-16 aircraft. In addition, Homestead ARB is home to the headquarters of Special Operations Command South, the U.S. Customs and Border Protection Air and Marine Branch, Florida Air National Guard Detachment, Florida Army National Guard Support Group, and the U.S. Coast Guard's Maritime Safety and Security Team Miami.



Economic Impact

The military provides direct, indirect, and induced economic benefits to local communities through jobs and wages. Benefits include employment opportunities, increases in local business revenue, and revenue from the sale and taxing of property. Homestead ARB is a major economic contributor for south Florida, generating hundreds of millions of dollars into the local economy. This includes millions in construction, services, and material contracts that were awarded to mainly local businesses.

Homestead ARB employs over 3,400 employees including over 1,700 Air Force reservists.

Noise Zones, Clear Zones, and Accident Potential Zones

Under the AICUZ Program, the DoD provides noise zones to define noise exposure. Noise exposure is measured using the Day-Night Average Sound Level (DNL), which is based on the number of annual average daily aircraft operations over a 24-hour period.

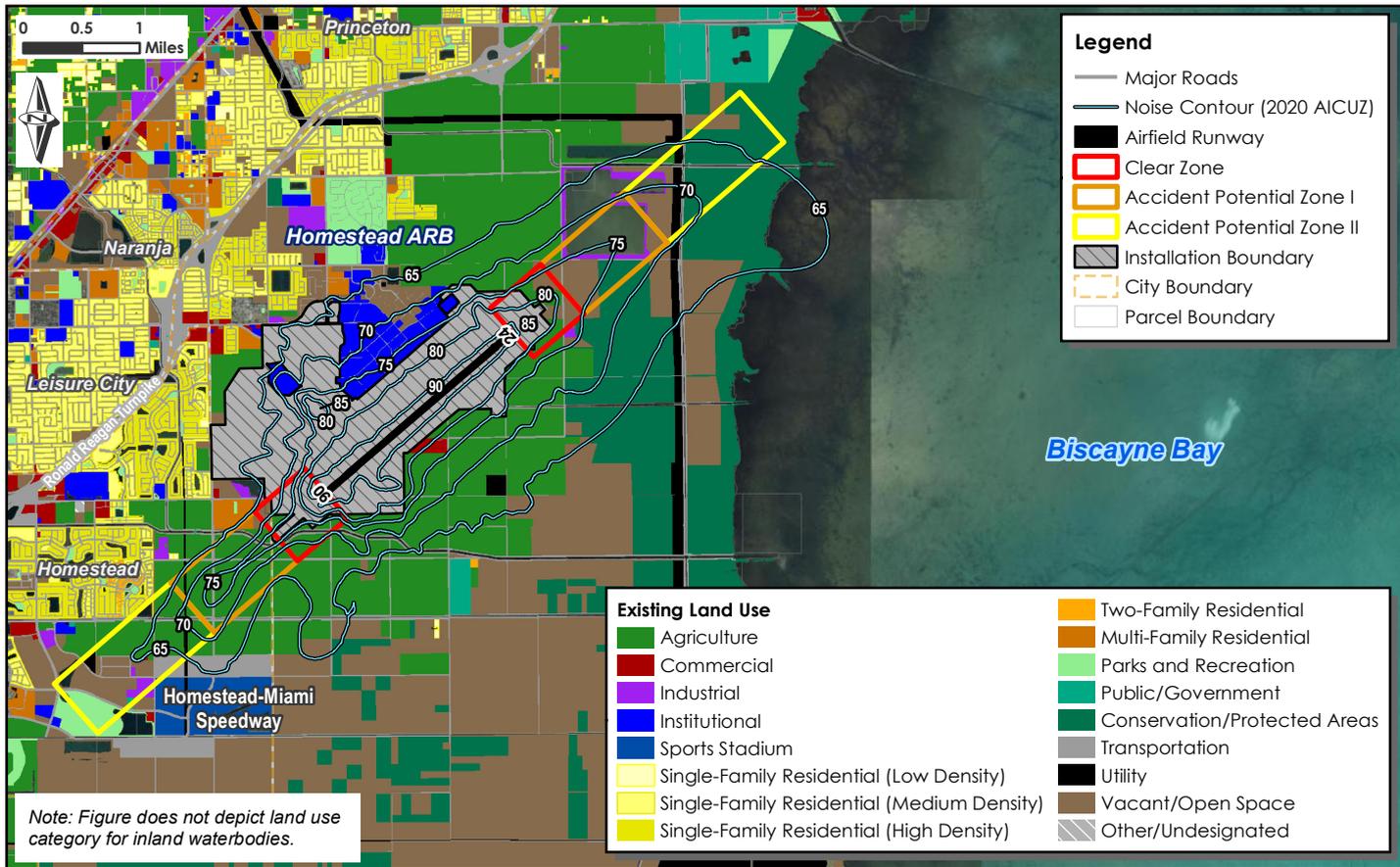
The DoD also provides Clear Zones (CZs) and Accident Potential Zones (APZs). Extending a combined total of 15,000 feet from the end of each runway along the runway's extended centerline, CZs and APZs define the areas where an aircraft accident is likely to occur, if an accident occurs.

The map on the next page shows noise zones, CZs, and APZs over existing land use near Homestead ARB.

Noise contours are based on typical operations and flight tracks during normal operations. Weather conditions, wind, pilot technique, and other air traffic can cause some lateral deviation within the traffic pattern around a runway.



2020 AICUZ Noise Contours, Clear Zones, and APZs for Homestead Air Reserve Base



Compatible Development

The AICUZ Program includes guidelines for land use compatibility within noise zones, CZs, and APZs. In general, these guidelines recommend that residential and noise-sensitive land uses be placed outside of noise zones and that people-intensive uses not be placed within APZs. Land development should be compatible with noise zones, CZs, and APZs around a military airfield. With a few exceptions, most land use surrounding Homestead ARB is compatible. The noise zones, CZs, and APZs for Homestead ARB extend beyond the installation boundary into the surrounding community.

Although the military can serve in an advisory capacity, local governments control development beyond the boundaries of Homestead ARB.

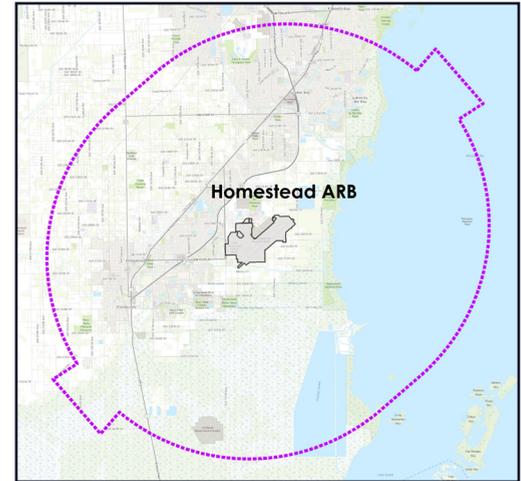


Hazards to Aircraft Flight Zone

Other land uses and activities that can pose potential hazards to flight include:

- Uses that would attract birds, especially waterfowl;
- Towers, structures, and vegetation that penetrate navigable airspace;
- Lighting (direct or reflected) that would impair pilot vision;
- Uses that would generate smoke, steam, or dust;
- Unmanned Aircraft Systems (UAS) that pose a risk to flight safety; and
- Electromagnetic interference (EMI) with aircraft communication and navigation.

The Hazards to Aircraft Flight Zone (HAFZ) is a consultation zone within which the Air Force requests that local planning bodies consult with the Air Force to ensure the project is compatible with installation operations relative to these concerns.



Air Force and Community Roles

Implementation of the AICUZ Study must be a joint effort between Homestead ARB and the surrounding communities. The 2020 Homestead ARB AICUZ Study provides the best source of information about the roles the Air Force, local government, and the community can play to ensure land use planning decisions are compatible with a future installation presence.

For a copy of the Homestead ARB AICUZ Study, please contact the 482nd Fighter Wing Public Affairs at (786) 415-7330.

More Information

Concerned citizens with noise complaints are encouraged to contact:

Public Affairs Office at (786) 415-7330 or email 482fw.pa@us.af.mil

Homestead ARB also posts information on the installation website, including alerts about upcoming aircraft operations that are able to be shared publicly:

- **Website:** www.homestead.afrc.af.mil
- **Facebook:** www.facebook.com/HomesteadARB
- **Twitter:** https://twitter.com/Homestead_ARB

