

# Encroachment to Military Installations

## Increasing Encroachment Challenges:

There are a growing number of encroachment challenges to military installations in Florida. In some cases, local officials are unaware of the extent of these challenges and how they can negatively impact the ability of the military installation to accomplish training and operational missions that prepare military units for combat. These encroachment challenges include, but are not limited to:

1. **Sea and Air Space and Land Restrictions**
2. **Airborne Noise**
3. **Urban Growth**
4. **Frequency Spectrum Encroachment** – Competition for finite electromagnetic environment (EME) spectrum resources. This includes the radio frequency spectrum.
5. **Endangered Species/Critical Habitat** - Presence of threatened and endangered species and critical habitats on or within training areas and ranges
6. **Energy Compatibility and Availability** - Onshore and offshore energy development of oil, gas, and renewable as well as associated pipelines and electrical transmission lines
7. **Air Quality**
8. **Water**
9. **Cultural Resources**
10. **Unexploded ordinance and Munitions** – Infringement on explosive safety arcs and footprints (e.g., surface danger zones, weapon danger zones, and electromagnetic and radio frequency radiation).
11. **Marine Resources**
12. **Physical Security**
13. **Proliferation of UAVs, UAS's and drones**
14. **Natural Factors, Weather and Climate**
15. **Light**
16. **Foreign interests, mergers and acquisitions, and development in and around military assets and resources.**



## How Encroachment Impacts the Military Mission:

Encroachment may lead to a diminished capability and capacity for US Armed Forces to train for combat.

- **Reduces usage days**
- **Prohibits certain operational, training and testing events**
- **Reduces range access**
- **Segments training and reduces realism**
- **Limits new technologies**
- **Restricts flight altitudes**
- **Inhibits new tactics development**
- **Reduces live fire proficiency**
- **Complicates night and all weather operations and training**
- **Increases personnel tempo**
- **Increases costs or risks**



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# Florida's Military Installations, Missions, and Key Organizations

**NAS PENSACOLA**

Provides aviation flight and maintenance training for Navy, Marines, Air Force, and Coast Guard.

KEY ORGANIZATIONS:

- ▶ NAVAL EDUCATION AND TRAINING COMMAND
- ▶ NAVAL AIR TECHNICAL TRAINING CENTER

**NAS WHITING FIELD**

Multi-service primary fixed wing training and advanced helicopter pilot training.

**NAVAL SUPPORT ACTIVITY PANAMA CITY**

RDT&E for amphibious warfare, diving, maritime special operations, mine warfare, and other Naval missions in coastal areas.

KEY ORGANIZATIONS:

- ▶ NAVAL SURFACE WARFARE CENTER PANAMA CITY DIVISION
- ▶ NAVAL DIVING AND SALVAGE TRAINING CENTER
- ▶ CENTER FOR EXPLOSIVE ORDNANCE DISPOSAL AND DIVING

**NS MAYPORT**

Fleet basing and support.

KEY ORGANIZATIONS:

- ▶ US FOURTH FLEET
- ▶ HELICOPTER STRIKE WING, ATLANTIC

**NAS JACKSONVILLE**

A master air and industrial base supporting anti-submarine warfare and aviation training.

KEY ORGANIZATIONS:

- ▶ NAVY REGION SE HEADQUARTERS
- ▶ FLEET READINESS CENTER SE
- ▶ NAVAL FACILITIES ENGINEERING COMMAND SE
- ▶ PATROL AND RECONNAISSANCE WING ELEVEN

**Jacksonville Range Complex**

150,000 square miles of air, surface, and subsurface operational area, strategically located in Florida's near coastal waters, supporting all services and integrating six instrumented ranges. Warm waters, temperate climate, lower sea states, and shore proximity make JRC the ideal training venue.

**USMC SUPPORT FACILITY BLOUNT ISLAND**

Maritime Prepositioning Force, Seaborne Logistics.

**SAUFLEY FIELD**

Naval education.

**CORRY STATION**

Cyber warfare and intelligence training.

**HURLBURT FIELD**

Supports global special operations missions.

KEY ORGANIZATIONS:

- ▶ AIR FORCE SPECIAL OPERATIONS COMMAND
- ▶ 1<sup>ST</sup> SPECIAL OPERATIONS WING

**EGLIN AFB**

Supports development, acquisition, testing, procurement, and deployment of all air-delivered weapons.

KEY ORGANIZATIONS:

- ▶ 96<sup>TH</sup> TEST WING
- ▶ AIR FORCE RESEARCH LABORATORY MUNITIONS DIRECTORATE
- ▶ RDT&E for air-launched munitions
- ▶ F-35 JOINT INTERNATIONAL TRAINING
- ▶ 7<sup>TH</sup> SPECIAL FORCES GROUP
- ▶ NAVAL SCHOOL EXPLOSIVE ORDNANCE DISPOSAL

**TYNDALL AFB**

Advanced training for pilots, air traffic and weapon controllers.

KEY ORGANIZATIONS:

- ▶ AIR FORCES NORTH / 1<sup>ST</sup> AIR FORCE
- ▶ Command center for air operations in North America
- ▶ 601<sup>ST</sup> AIR OPERATIONS CENTER
- ▶ 53<sup>RD</sup> WEAPONS EVALUATION GROUP
- ▶ supports air-to-air and air-to-ground weapons system evaluation programs
- ▶ 325<sup>TH</sup> FIGHTER WING / F-22 TRAINING AND OPERATIONS

**MACDILL AFB**

Supports airlift and aerial refueling missions, and hosts two Unified commands.

**US CENTRAL COMMAND**

United States command for Middle East.

**US SPECIAL OPERATIONS COMMAND**

Worldwide command for counter-terrorism special operations.

**NAS KEY WEST**

The Navy's premier pilot training facility for transient tactical aviation squadrons.

KEY ORGANIZATIONS:

- ▶ NAVAL AVIATION PILOT TRAINING FACILITY
- ▶ JOINT INTER-AGENCY TASK FORCE SOUTH

**CAMP BLANDING JOINT TRAINING CENTER**

Florida National Guard training base.

**PINECASTLE BOMBING RANGE**

Navy Primary Live-Fire Bombing Range.

**CAPE CANAVERAL AFS**

Supports access to space / space launch activities.

KEY ORGANIZATION:

- ▶ NAVY ORDNANCE TEST UNIT

**PATRICK AFB**

Supports launch, range, and expeditionary operations for the military, NASA, and civilians.

KEY ORGANIZATIONS:

- ▶ 45<sup>TH</sup> SPACE WING
- ▶ AIR FORCE TECHNICAL APPLICATIONS CENTER
- ▶ 920<sup>TH</sup> RESCUE WING

**NAVAL SUPPORT ACTIVITY ORLANDO - MULTI-SERVICE MODELING, SIMULATION AND TRAINING ACQUISITION**

KEY ORGANIZATIONS:

- ▶ NAVAL AIR WARFARE CENTER TRAINING SYSTEM DIVISION
- ▶ PROGRAM EXECUTIVE OFFICE FOR SIMULATION, TRAINING AND INSTRUMENTATION, ARMY
- ▶ PROGRAM MANAGER FOR TRAINING SYSTEMS, MARINE CORPS
- ▶ AIR FORCE AGENCY FOR MODELING AND SIMULATION

**Joint Gulf Range Complex**

A critical strategic advantage in Florida is the Joint Gulf Range Complex. This encompasses 180,000 square miles of DoD controlled airspace over the Gulf of Mexico. Florida's training area also contains multiple live-fire bombing ranges, including Pinecastle Range, Avon Park Air Force Range, and the Eglin Bombing Range. This integral part of DoD's Training Resources Strategy allows for joint maritime, air, and land training exercises.

**U.S. COAST GUARD 7<sup>TH</sup> DISTRICT HEADQUARTERS MIAMI**

**AVON PARK AIR FORCE RANGE**

Air-to-ground and ground training range.

**HOMESTEAD AIR RESERVE BASE**

Provides combat air power, combat support forces, and humanitarian support.

**US SOUTHERN COMMAND**

United States command for Central and South America and the Caribbean.



- MAP KEY**
- Private Sector Defense & Homeland Security Establishments
  - ★ Unified Combatant Commands
  - ☆ State Capital
  - Florida's Largest Cities (by population)

Note: Bases have multiple missions and key organizations—not all are listed on this map.