





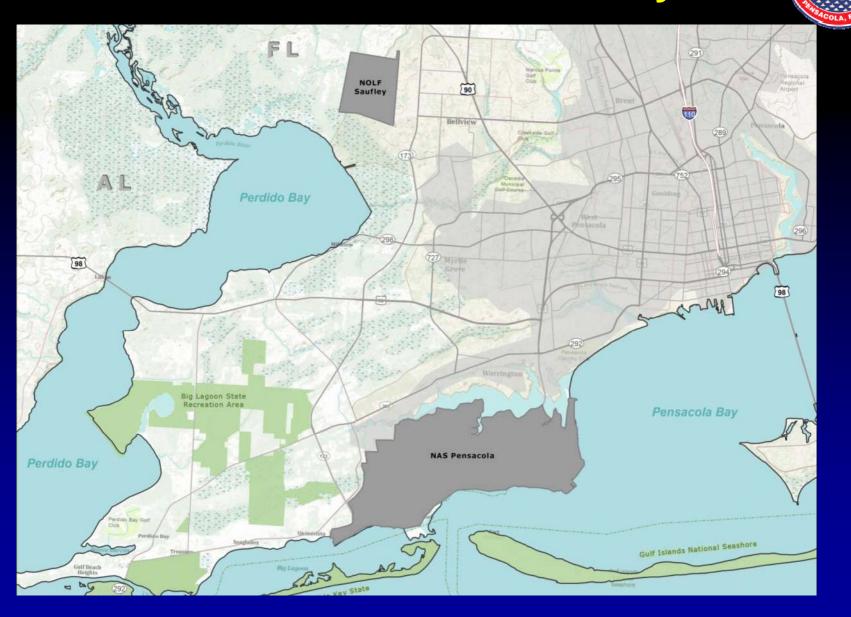
Public Release - 2010 AICUZ Study Air Installations Compatible Use Zones (AICUZ) Study NAS Pensacola and NOLF Saufley Pensacola, FL May 2011







NAS Pensacola and NOLF Saufley



Mission of NAS Pensacola and History of AICUZ Study Efforts



NAS Pensacola

- First commissioned in 1914
- Mission:
 - Primary installation providing aviation training to the Navy
 - Home to TRAWING 6 and the Navy Flight Demonstration Squadron, the Blue Angles
- 1976 original AICUZ approved
- 1990 updated noise contours and APZs

NOLF Saufley

- First commissioned in 1943 as a Naval Auxiliary Air Station
- Mission:
 - NOLF used by NAS Pensacola and NAS Whiting Field for T-6 practice landings and take offs
 - Also used by NAS Whiting Fields' TH-57 for touch-and-go operations
- 1986 included in the NAS Whiting Field AlCUZ
- 2000 updated noise contours

NAS Pensacola and NOLF Saufley were included in the 2003 Escambia County Joint Land Use Study

Economic Impact Arising from NAS Pensacola

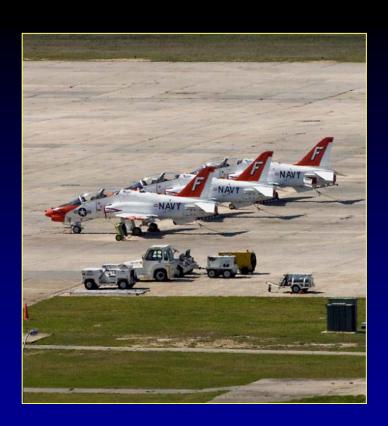


- Workforce of over 23,000 military & civilian personnel
- The DoD is the largest economic engine in the greater Pensacola area, with more then \$5.1B in salary and wages produced

AICUZ Program Goals



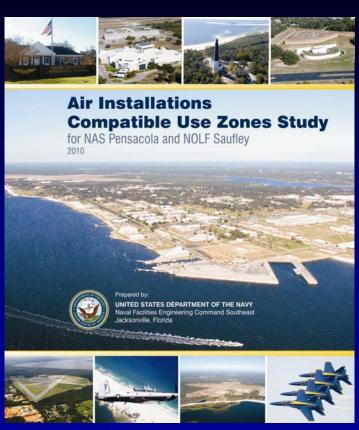
- Protect the health, safety and welfare of those living near the air station
- Ensure the continuing flight mission of the installation
- AICUZ study
 - Is non-binding
 - Provides recommendations to communities for compatible development



The AICUZ Program



- AICUZ Studies are prepared for all Naval and Marine Corps air stations
- Study Identifies:
 - Noise Zones
 - Accident Potential Zones (APZs)
 - Presents guidelines for compatible development



Noise Contours



- Sound generation
- Noise is any unwanted sound
- Noise is in the ear of the beholder
- Sound is measured in decibels





Perception of Noise



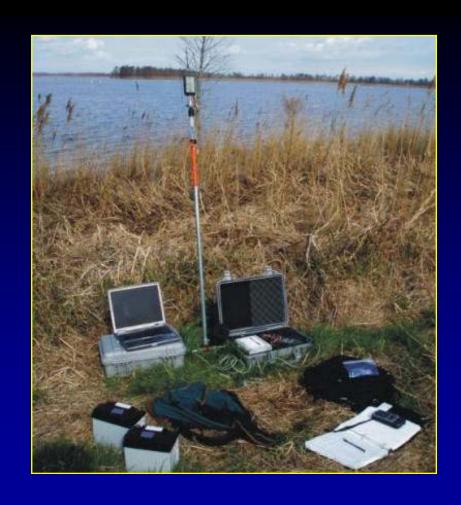


- Sound level
- Frequency of occurrence
- Duration
- Time of day

Day-Night Average Sound Level (DNL)



- Weighted average of noise energy
- Developed for the EPA
- Incorporates
 - Loudness
 - Total noise energy
 - Time of day or night



AICUZ Study Overview

NAS Pensacola and NOLF Saufley, Aircraft Noise



- Noise Contours Modeled Using Projected Operations (2012)
 - NOISEMAP, fixed-wing aircraft
 - Updated Contours developed for NAS Pensacola and NOLF Saufley

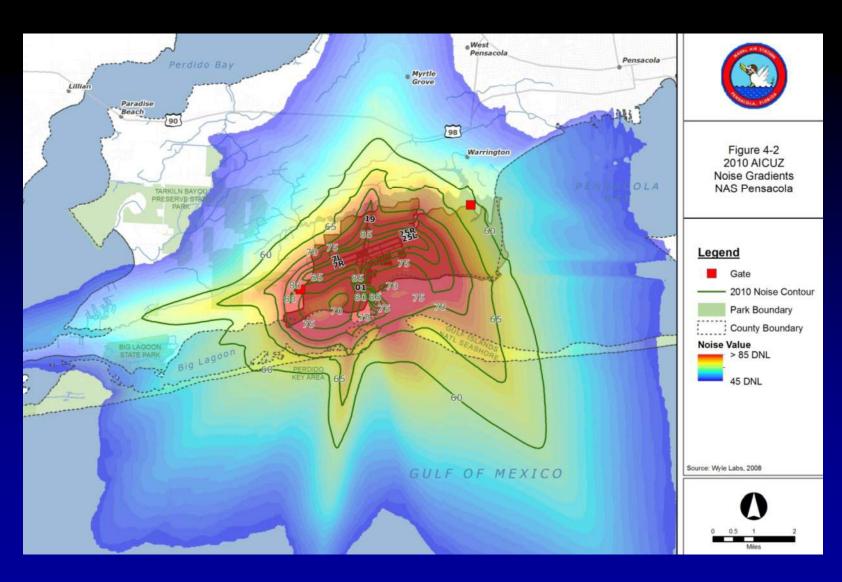




- Key Inputs and Changes Since Previous Noise Analysis:
 - T-6 replaced T-34 and the T-45 replaced the T-2
 - Increased T-6 Operations
 - Transient F-35 aircraft

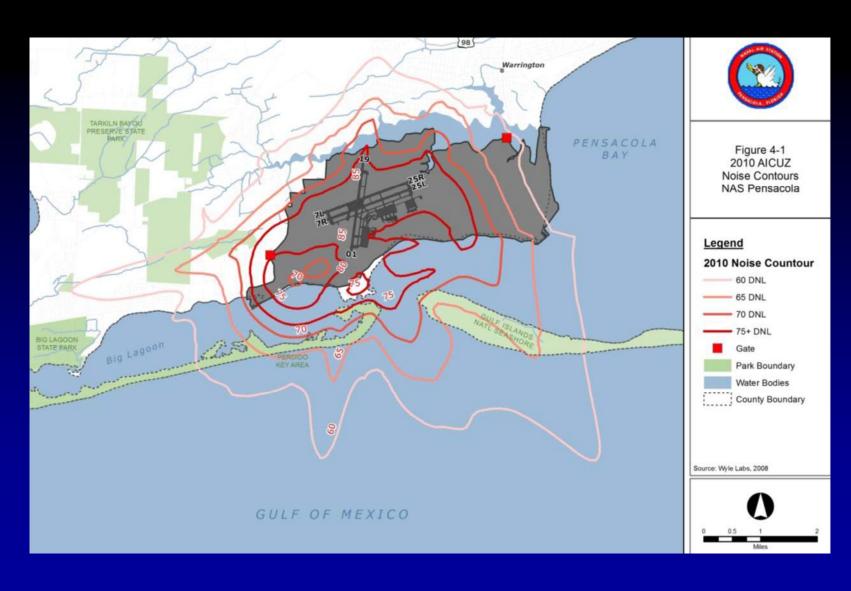
AICUZ Study Overview NAS Pensacola, 2010 Noise Gradient





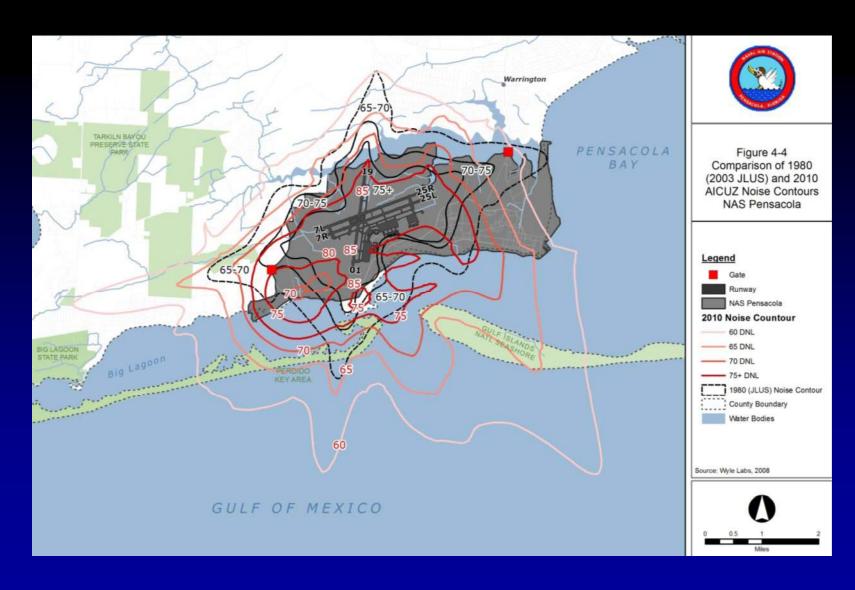
AICUZ Study Overview NAS Pensacola 2010 Noise Contours





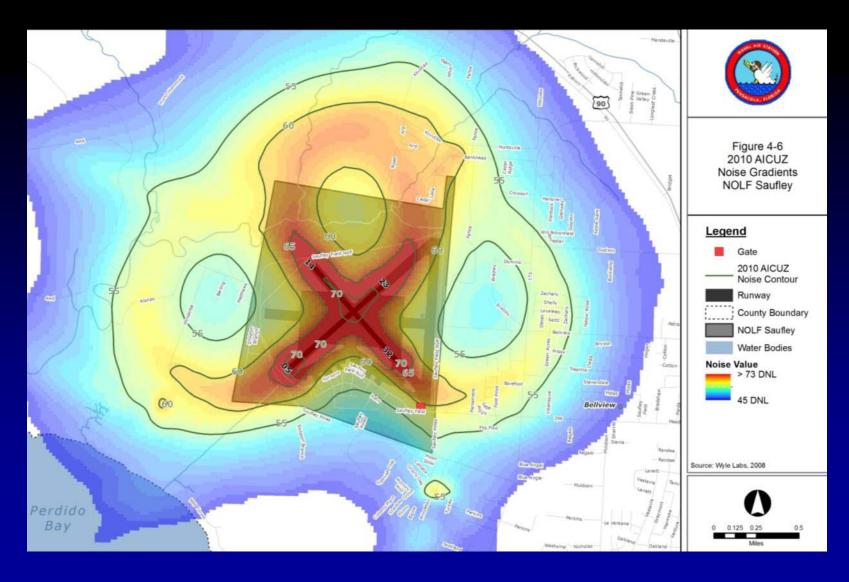
AICUZ Study Overview NAS Pensacola, Comparison of 1980 (2003 JLUS) 2010 Noise Contours





AICUZ Study Overview NOLF Saufley, 2010 Noise Gradient





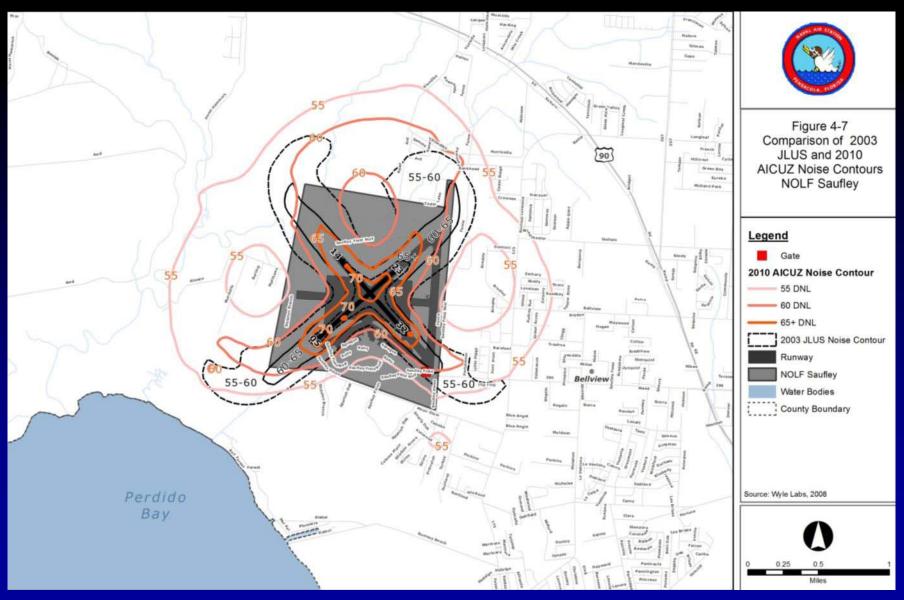
AICUZ Study Overview NOLF Saufley, 2010 Noise Contours











Accident Potential Zones

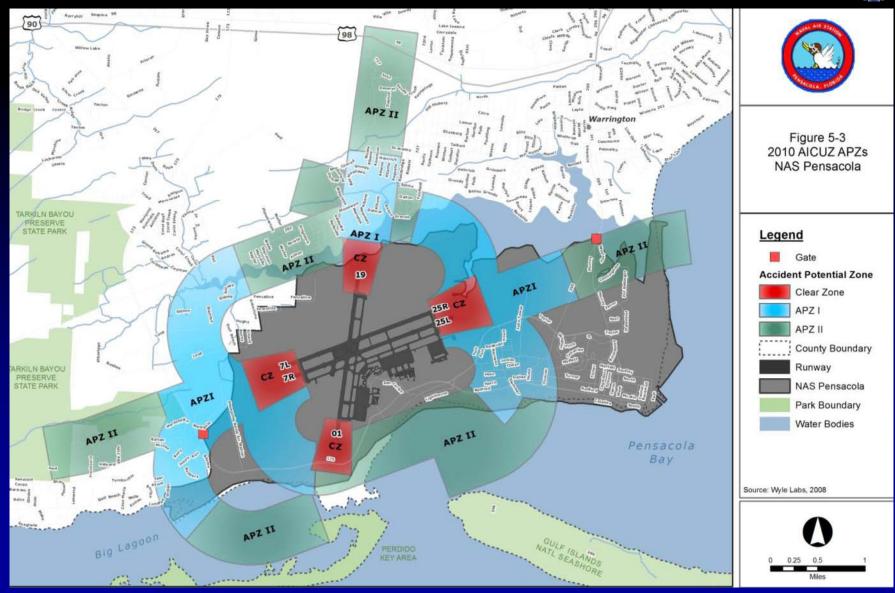


- Areas where accidents most likely to occur
 IF they occur
- NOT a predictor of accidents
- APZs provide planners a tool to use in determining compatible land use

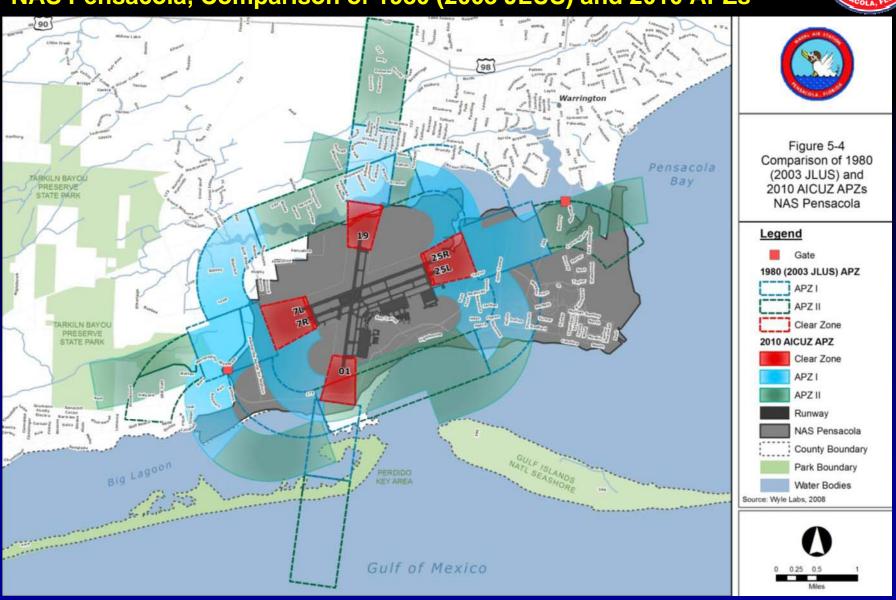


AICUZ Study Overview NAS Pensacola 2010 APZs





AICUZ Study Overview
NAS Pensacola, Comparison of 1980 (2003 JLUS) and 2010 APZs



AICUZ Study Overview NOLF Saufley 2010 APZs





AICUZ Study Overview

NOLF Saufley, Comparison of 1980 (2003 JLUS) and 2010 APZs





AICUZ Study Overview Aircraft Safety



Other Issues Addressed In Safety Analysis:

- Height of Structures
- Bird/Animal Strike
 Hazard (BASH)
- Electromagnetic
 Interference
- Lighting, Smoke, Dust, and Steam



AICUZ Study Overview





General Land use Compatibility Recommendations

	Land Use Compatibility Noise Zone (DNL)			Land Use Compatibility with APZs		
	Noise Zone 1 (<55 - 64)	Noise Zone 2 (65 - 74)	Noise Zone 3 (75 - >80)	Clear Zone	APZ I	APZ II
Single-family residential	Y	N	N	Ν	N	YR
Multi-family residential	Y	N	N	N	N	N
Assembly areas and auditoriums	Y	N	N	N	N	N
Schools	Υ	YR	N	N	N	N
Office and retail	Υ	YR	YR	N	YR	YR
Manufacturing/Industrial	Υ	Υ	N	N	N	Υ
Outdoor parks and recreation	Υ	Υ	N	N	YR	YR

Key:

Y (Yes) = Land use and related structures compatible without restrictions.

N (No) = Land use and related structures are not compatible and should be prohibited.

YR (Yes-Restrictions) = Land use and related structures with restrictions. Specific restrictions are identified in OPNAVINST 11010.36C.

AICUZ Schedule



Brief City/County Officials Week of May 9, 2011

Community Open House May 10, 2011 @1630

 Individual Briefings with Community Groups **TBD**

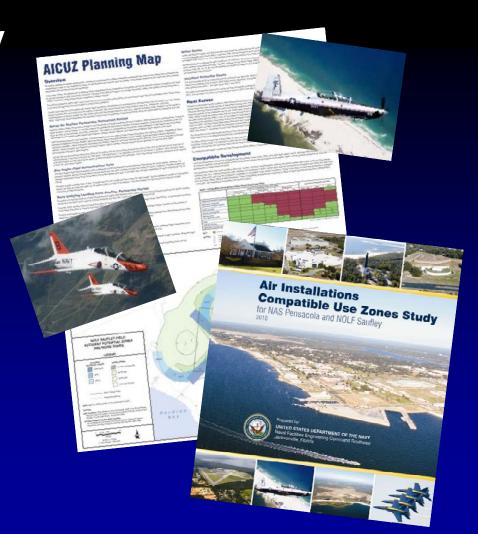
 Work with Escambia County TBD on Updating JLUS

 Distribute AICUZ Study and outreach tools **Ongoing**

The Way Ahead – AICUZ Adoption



- Work with Escambia County to adopt/incorporate AICUZ into the local zoning ordinances and land use.
- Initiate Joint Land Use Study update effort: Amendment to 2003 JLUS maps to reflect 2010 AICUZ noise contours and APZs



Navy Responsibilities



We want to be a good neighbor

- Develop and update AICUZ studies
- Make available to the public AICUZ maps
- Make land use recommendations as appropriate
- Monitor operations and noise complaints and take action as needed



Community Responsibilities



Work with the military to promote compatible development

- Promote disclosure for military impacts in real estate
- Incorporate sound insulation guidelines in building codes



Key to Success



- Teamwork
- Open and frequent communication
- Partnership



For More Information



AICUZ:

NAS Pensacola Deputy Air Operations Officer at (850) 452-4231 extension 3114

Noise Concerns:

NAS Pensacola Operations Duty Office (850) 452-2431





Questions?