

## What does AICUZ mean to me?

AICUZ means protection of the public safety and health as well as protection of the USAF's national defense mission. The AICUZ itself is a composite of many factors: average noise levels, accident potential, and aircraft flight paths and altitudes. The noise and accident potential zones (APZs) have been combined and displayed on the AICUZ map on the inside of this brochure (Figure 1). The number 65 decibels (dB) through 80 dB indicate the average sound levels in dB for a particular area using the Day-Night Average A-weighted Sound Level (DNL) metric for describing the noise environment. The clear zones (CZs) and APZs are based upon statistical analysis of past DoD aircraft accidents. The CZ, the area closest to the runway end, is the most hazardous. Very few land uses are considered to be compatible with this area and the DoD generally acquires the land through purchase or easement to prevent development. APZ I is an area beyond the CZ that possesses an elevated potential for accidents. APZ II is an area beyond APZ I having a lower, but still elevated, potential for accidents. While aircraft accident potential in APZs I and II does not warrant acquisition by the USAF, land use planning and controls are strongly encouraged in these areas for the protection of the public. Additional constraint involves areas which the Federal Aviation Administration (FAA) and DoD have identified for height limitations and areas where certain types of development could increase Bird/Wildlife-Aircraft Strike Hazard (BASH). USAF obstruction criteria are based upon those contained in the FAA Regulation Part 77, Subpart C. The risk of BASH events is elevated when features near the airbase become more attractive to birds. The AICUZ map and the generalized land use charts on the reverse (Tables 1 and 2) provide a quick reference to the various noise zones and APZs around the base. More detailed information on land use recommendations, height restrictions, and BASH concerns can be found in the Selfridge ANGB AICUZ Report.

## How can I help?

The AICUZ program is intended to assist in developing land use policies and regulations that maximize mission flexibility while minimizing annoyance and other adverse impacts of aircraft operations on the surrounding community. If the future of Selfridge ANGB is to be as bright as its past, you, the citizens and government officials of Macomb County, Harrison Township, and Chesterfield Township need to participate in minimizing future incompatible development. We request your careful review of the recommendations contained in the Selfridge ANGB AICUZ report as a first step in this process.

## How can I get the AICUZ Report?

This brochure briefly describes the major topics of the AICUZ report. The complete report is available for review at the Selfridge ANGB Public Affairs Office, local public libraries, and online at the 127 Wing website ([www.127wg.ang.af.mil](http://www.127wg.ang.af.mil)).

**The AICUZ report** is prepared to educate communities and their governments on the planning challenges posed by the flying mission of Selfridge ANGB. To promote compatible land use around Selfridge ANGB, that is to protect the populace from aircraft noise and protect the installation flying mission, the AICUZ study encourages the following:

**Incorporate AICUZ policies and guideline into the local planning process.** Use overlay maps of the AICUZ noise contours and USAF Land Use Compatibility Guidelines to evaluate existing and future land use proposals. Continue to inform Selfridge ANGB of planning and zoning actions that have the potential of affecting base operations.

**Modify existing zoning ordinances and subdivision regulations** to support the compatible land uses outlined in this study through implementation of a zoning overlay district based on noise contours and accident potential zones.

**Adopt fair disclosure ordinances** requiring realtors to notify potential buyers of real property of the location of the property relative to CZ/APZs and noise contours.

COMPATIBILITY CHART* LAND USE/ACCIDENT POTENTIAL ZONES	ACCIDENT POTENTIAL ZONES			Table 1
	Clear Zone	APZ I	APZ II	
Generalized Land Use				
Residential	No	No	Yes <sup>1</sup>	
Manufacturing	No	Yes <sup>2</sup>	Yes <sup>2</sup>	
Transportation, Communications, and Utilities	No	Yes <sup>2</sup>	Yes <sup>2</sup>	
Trade, Business, and Offices	No	Yes <sup>2</sup>	Yes <sup>2</sup>	
Shopping Districts	No	No	Yes <sup>2</sup>	
Public and Quasi-Public Service	No	No	Yes <sup>2</sup>	
Recreation	No	Yes <sup>2</sup>	Yes <sup>2</sup>	
Public Assembly	No	No	No	
Agriculture and Mining	No <sup>3</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	

<sup>1</sup>Suggested maximum density of 1-2 dwelling units per acre.

<sup>2</sup>Only limited low-density, low-intensity uses recommended.

<sup>3</sup>Except limited agricultural uses are permitted.

\*This chart is for general information. Refer to Volume I, Table 4.6-1 for specific land uses and guidelines.

COMPATIBILITY CHART* LAND USE/AIRCRAFT NOISE	DNL NOISE CONTOURS				Table 2
	65-69 dB	70-74 dB	75-79 dB	80+ dB	
Generalized Land Use					
Residential	No <sup>1</sup>	No <sup>1</sup>	No	No	
Manufacturing	Yes	Yes	Yes	Yes	
Transportation, Communications, and Utilities	Yes	Yes	Yes	No	
Trade, Business, and Offices	Yes	Yes	Yes	No	
Shopping Districts	Yes	Yes	Yes	No	
Public and Quasi-Public Service	Yes	No <sup>1</sup>	No <sup>1</sup>	No	
Recreation	Yes	Yes	No	No	
Public Assembly	Yes	No	No	No	
Agriculture and Mining	Yes	Yes	Yes	Yes	

<sup>1</sup>Unless sound attenuation materials are installed.

\*This chart is for general information. Refer to Volume I, Table 4.6-1 for specific land uses and guidelines.

# Selfridge Air National Guard Base



## Air Installation Compatible Use Zone

## Citizen's Brochure

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Tables 1 and 2. Generalized Land Use Compatibility

Continued on back



### What is AICUZ?

The Air Installation Compatible Use Zone (AICUZ) program is an effort by the Department of Defense (DoD) to promote compatible development in the vicinity of its airfields. This brochure briefly summarizes the AICUZ report – an extensive analysis of the effects of noise, aircraft accident potential, land use, and development upon present and future neighbors of Selfridge Air National Guard Base (ANGB). AICUZ seeks a cooperative understanding and a reasonable solution to this intricate problem.

### Is there a problem?

Military airfields attract development to immediate surrounding areas. In the absence of compatible land use controls, inappropriate uses may be made of property near or adjacent to the installation causing eventual conflicts between flight operations and landowners. Because land close to Selfridge ANGB is subject to high noise levels and/or aircraft accident potential, certain types of development are not suitable.

### What has been done?

Selfridge ANGB has attempted to be a good neighbor by minimizing flying activities that could adversely affect its neighbors. For example, practice approach and departure operations are normally conducted between the hours of 7 a.m. and 10 p.m.; however, flights at other hours are sometimes required to meet operational and training mission requirements. Aircraft flight tracks have been adjusted over the years to avoid noise-sensitive areas to the greatest extent practicable while maintaining safe operations. The base has demonstrated a spirit of cooperation by participating with communities in the area-wide planning process. Continued cooperation by Selfridge ANGB, local governments, and the local populace will further reduce potential land use conflicts. This action will help ensure that future land use is compatible and beneficial.

### What are the benefits?

In addition to protecting the public safety and health, primary benefits include protecting the taxpayer's investment in national defense provided by Selfridge ANGB and protecting economic benefits to the surrounding communities generated by base activities and employment. The local economy is enhanced by the base's expenditures for salaries, contracts, construction, retirement pay, tuition aid to schools, health insurance payments, and off-base accommodations for travelers. Selfridge ANGB directly employs over 6,220 people and the 127th Wing has an annual payroll of over 88 million dollars. Selfridge ANGB is a relatively "recession-proof" employer and continues to be a strong partner in the economic future of the State of Michigan and particularly Macomb County.

### Why AICUZ now?

Between 1999 and the present date, Selfridge ANGB has undergone several major mission changes, some of which were mandated as part of 2005 round of Base Realignment and Closure (BRAC). As per the requirements of the National Environmental Policy Act (NEPA), each of these mission changes has been analyzed for environmental impacts, including impacts to the noise environment. Aircraft operational data has been collected from each of the units that are currently beddown at Selfridge ANGB and that data was used to generate noise contours, which differ substantially from the noise contours included in the 1999 AICUZ report. By being informed on the updated AICUZ map and information provided in the AICUZ study, neighboring communities are better equipped to make land use decisions which are compatible with the current mission at Selfridge ANGB, yet which also accommodate growth. No additional mission changes at Selfridge ANGB are planned at this time. However, it is important to note that additional mission changes could potentially occur at Selfridge ANGB in the future as new aircraft types enter the Department of Defense inventory and new war-fighting missions are assigned to the installation.

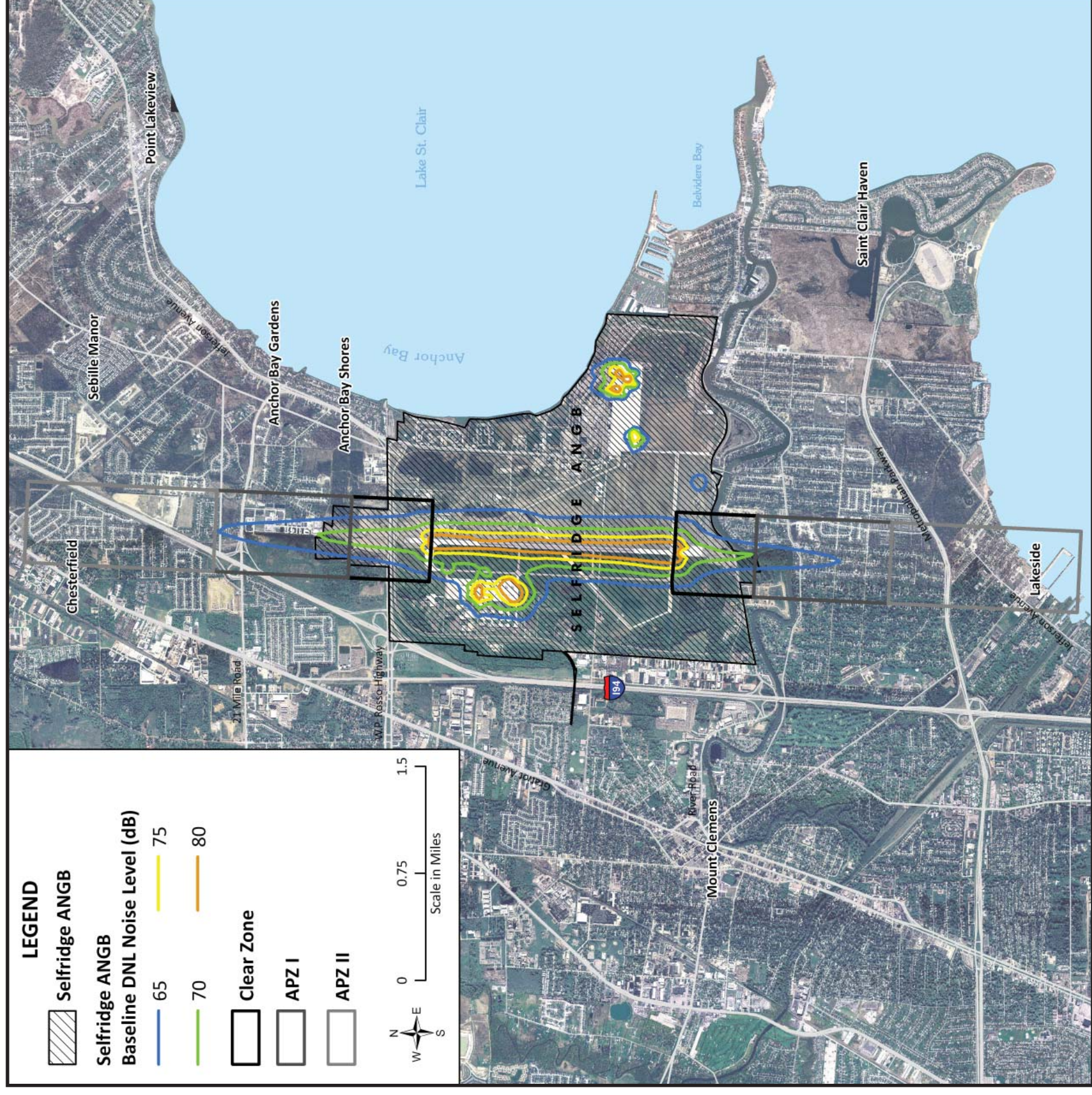


Figure 1. Noise Contours, Clear Zones, and Accident Potential Zones