

WHAT'S YOUR LAND USE COMPATIBILITY PRIORITY?

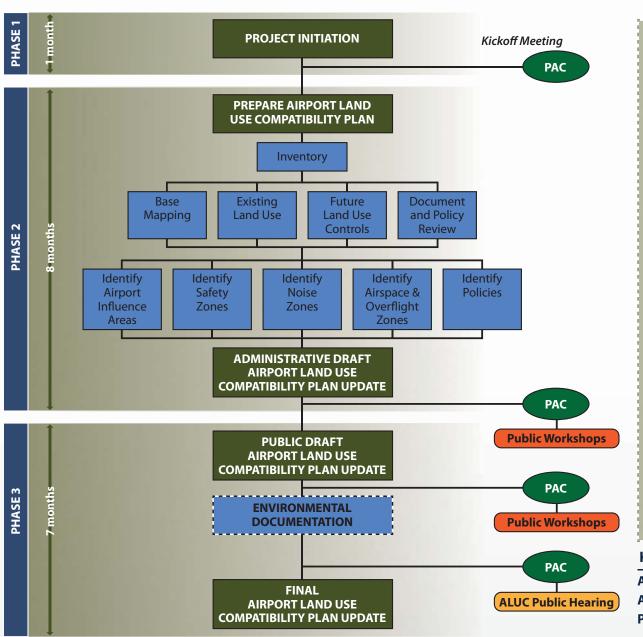
WHAT S YOUR LAND USE COMPATIBILITY PRIORITY!				
Airspace Obstructions	Noise	Safety on the Ground	Wildlife Hazards	Other

WHAT'S YOUR LAND USE COMPATIBILITY PRIORITY?

Safety on Airspace Wildlife Noise Other Obstructions the Ground Hazards



STUDY PROCESS





KEY:

ALUCP - Airport Land Use Compatibility Plan

ALUC - Airport Land Use Commission

PAC - Planning Advisory Committee



The Airport Land Use Compatibility Plan Can Be Used To:

- Protect the public from airport noise
- Ensure land use development is not concentrated in areas of high aircraft accident risk
- Ensure no structures or activities adversely affect navigable airspace

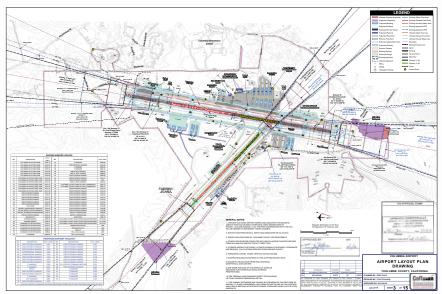
The Airport Land Use Compatibility Plan Cannot Be Used To:

- Control aircraft operations
- Specify land uses on parcels near an airport
- Remove existing incompatible land uses
- Authorize the airport to expand

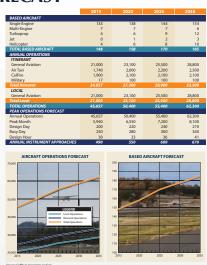


KEY PLANNING INPUTS FROM THE AIRPORTS

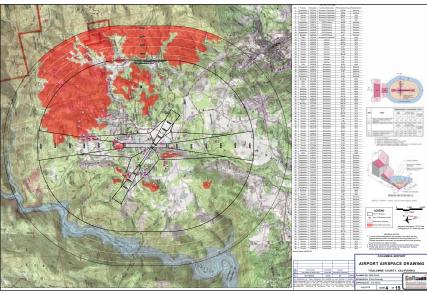
AIRPORT LAYOUT PLAN/DIAGRAM



20-YEAR FORECAST



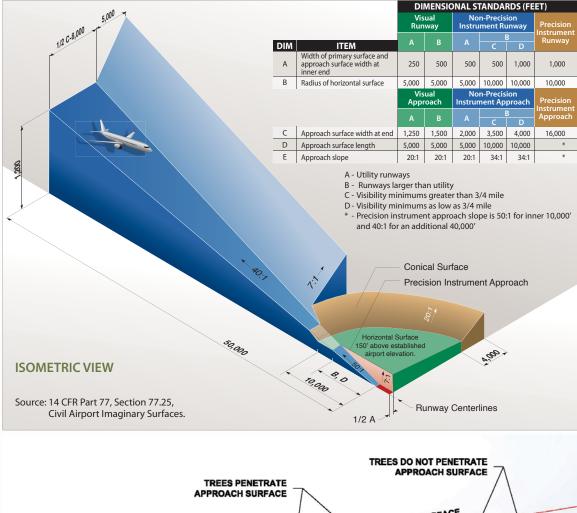
AIRSPACE DRAWING

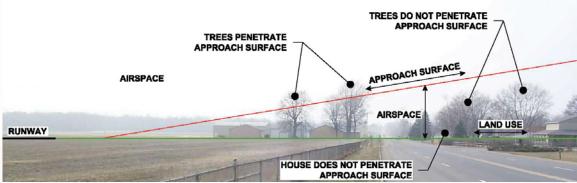


NOISE CONTOURS



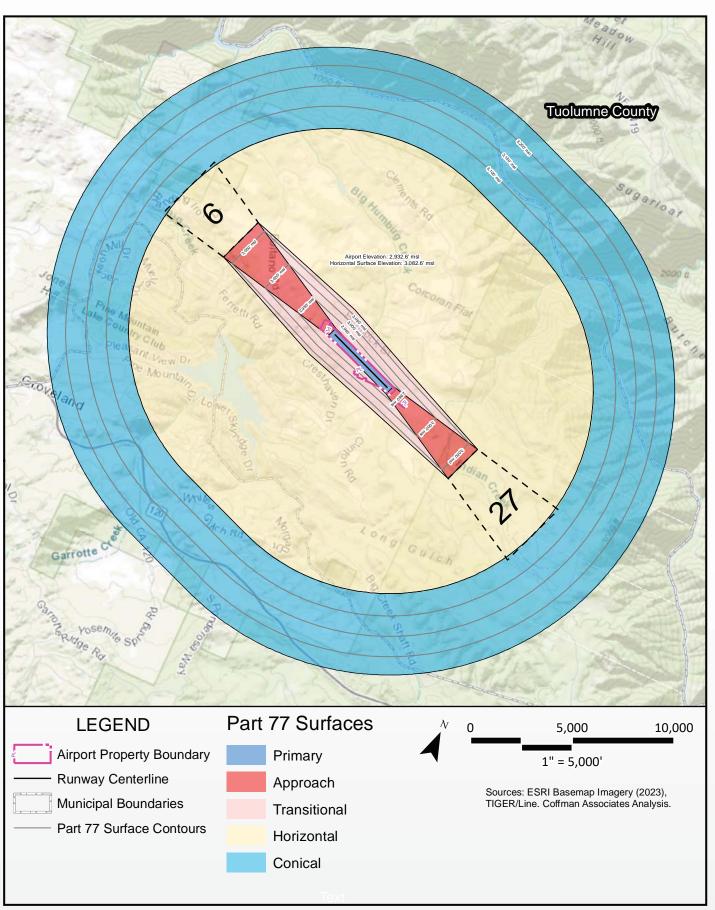
AIRSPACE HEIGHT OF STRUCTURES





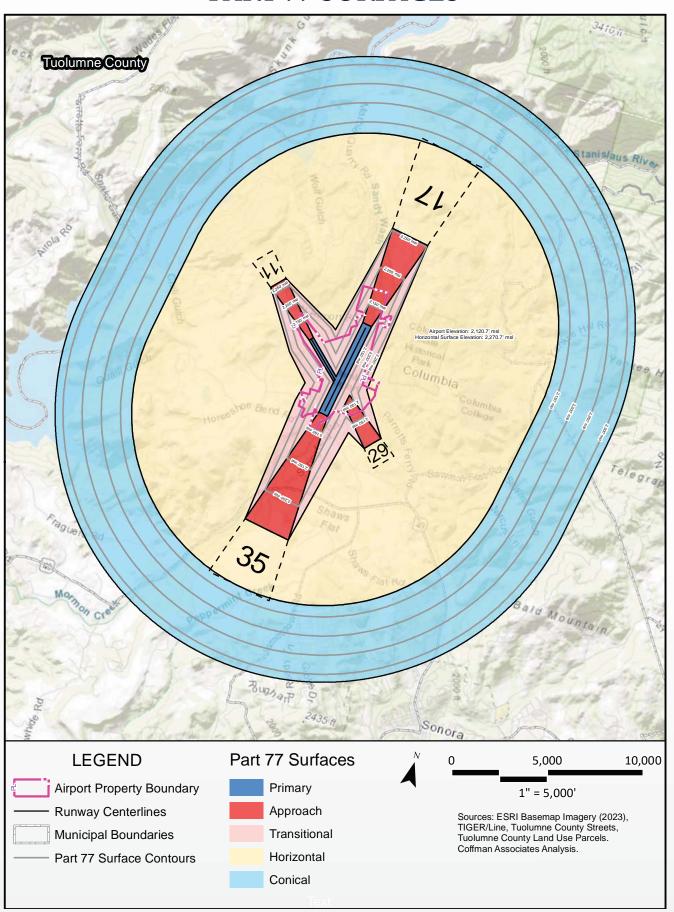
- Developers must submit FAA Form 7460, FAA does not have the authority to stop off-airport construction.
 - Determined to be a hazard to air navigation;
 - Determined not to be a hazard to air navigation; or
 - Determined not to be a hazard with certain mitigation measures, such as lighting or marking.
- It is critical for local communities to create the height restrictions that prevent and/or mitigate structures that could be obstructions or hazards to air navigation.

PART 77 SURFACES

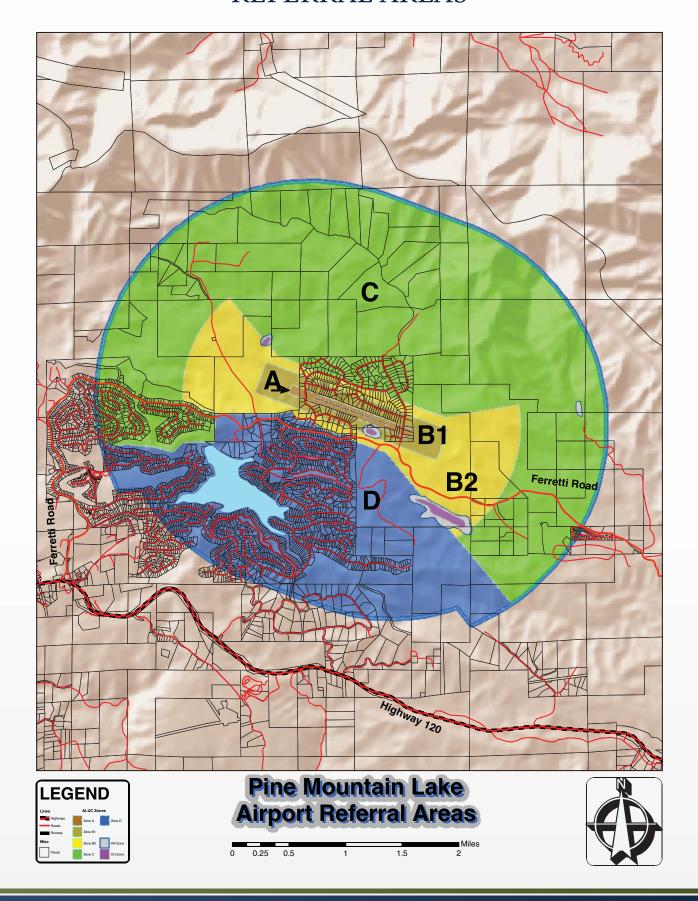




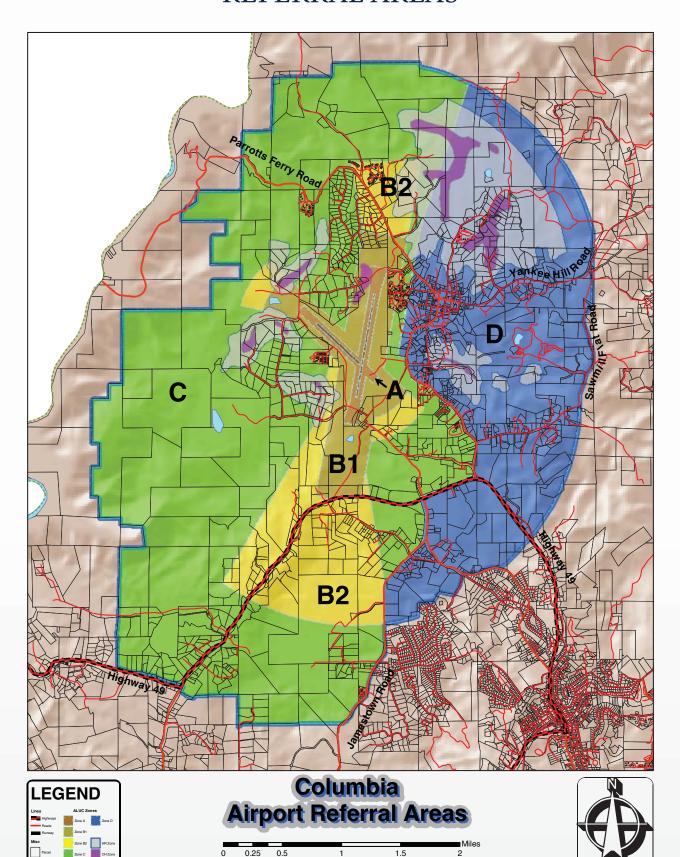
PART 77 SURFACES



EXISTING PLAN AIRPORT REFERRAL AREAS



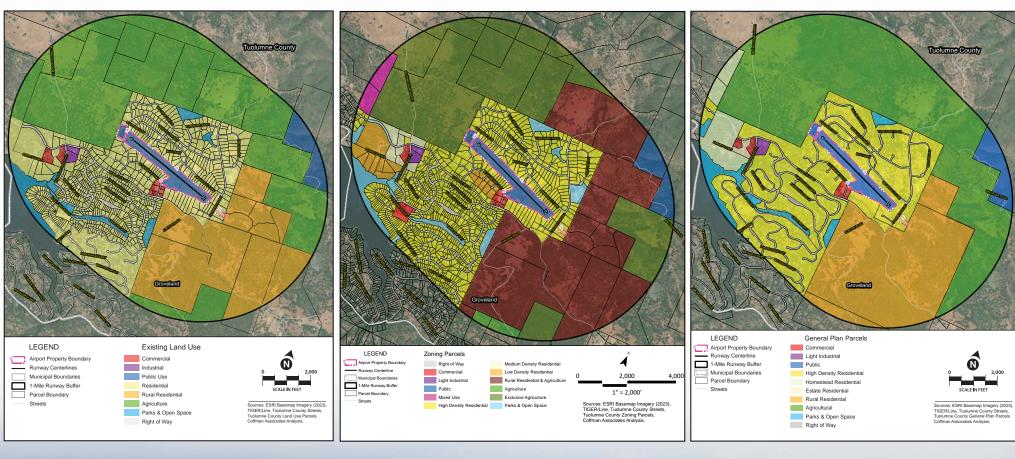
EXISTING PLAN AIRPORT REFERRAL AREAS



EXISTING LAND USE

ZONING LAND USE

GENERAL PLAN



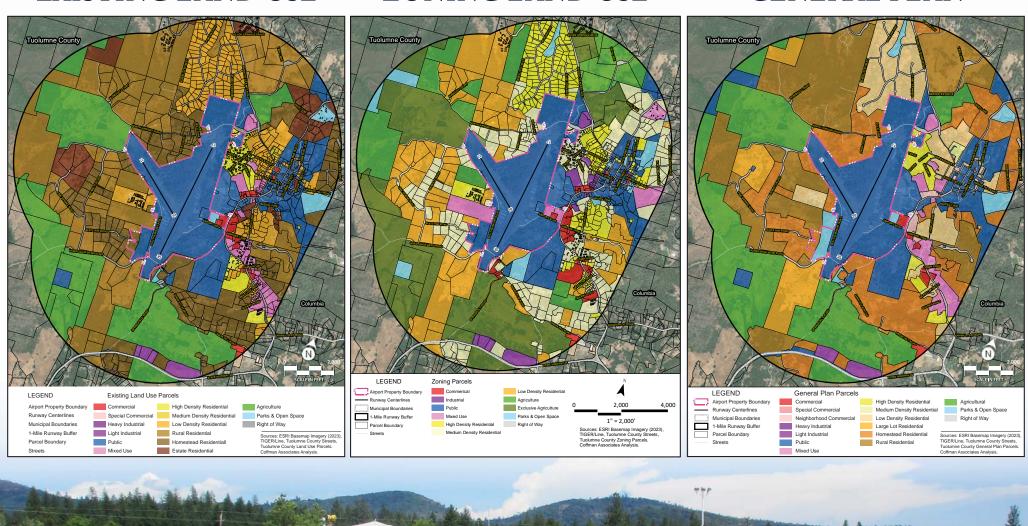




EXISTING LAND USE

ZONING LAND USE

GENERAL PLAN







Parcel Boundary
Streets





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LEGEND	2043 CNEL Noise Contours	Av	0	2,000	4,000
Airport Property Boundary	55 CNEL	4		1" = 2.000'	
Runway Centerline	60 CNEL			,,,,,,	
Municipal Boundaries	65 CNEL			I Basemap Imagery (20	

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Sources: ESRI Basemap Imagery (2023),
TIGER/Line, Tuolumne County Streets, Noise
Contour Data, Tuolumne County Landuse Parcles.
Coffman Associates Analysis.

Operations	AEDT Designator	2023 ¹	2043 ²
Itinerant			
Single Engine, Fixed	GASEPF	3,498	4,683
Single Engine, Variable	GASEPV	3,498	4,683
Multi-Engine Piston	BEC58P	804	1,077
Turboprop	CNA208	150	201
Small turbojet	CNA510	150	201
Helicopter	B206L	150	201
Subtotal		8,250	11,046
Local			
Single Engine, Fixed	GASEPF	3,027	4,053
Single Engine, Variable	GASEPV	3,027	4,053
Multi-Engine Piston	BEC58P	696	932
Subtotal		6,750	9,038
Grand Total		15,000	20,084

Source: Coffman Associates Analysis; Pine Mountain Lake Airport Aviation Demand Forecast Study (2023); Pine Mountain Lake Airport Master Plan (2006)

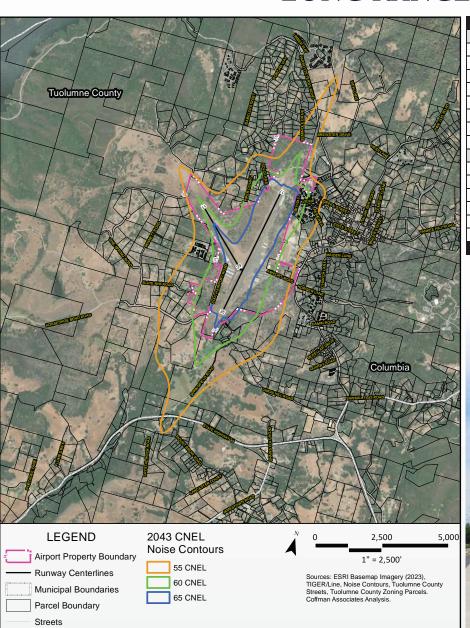


¹ FAA 5010 Airport Master Record, operations for 12 months ending June 25, 2022

 $^{^2}$ Total Operations Forecast reflects a Compound Annual Growth Rate (CAGR) of 1.47% as discussed in the *Pine Mountain Lake Airport Aviation Demand Forecast Study*



LONG RANGE NOISE CONTOURS



Operations	AEDT Designator	2023 ¹	2043²
Itinerant			
Single Engine, Fixed	GASEPF	10,010	14,494
Single Engine, Variable	GASEPV	10,009	14,494
Multi-Engine Piston	BEC58P	1,000	1,132
Turboprop	DHC6	2,048	3,511
Small turbojet	CNA55B	50	283
Medium turbojet	CL600, CNA750	40	283
Helicopter	SA350D, S65, B212	1,200	3,738
Subtotal		24,357	37,935
Local			
Single Engine, Fixed	GASEPF	9,650	15,004
Single Engine, Variable	GASEPV	9,650	15,004
Multi-Engine Piston	BEC58P	1,000	1,132
Turboprop	DHC6	500	906
Helicopter	B212	500	566
Subtotal		21,300	32,612
Grand Total		45,657	70,547

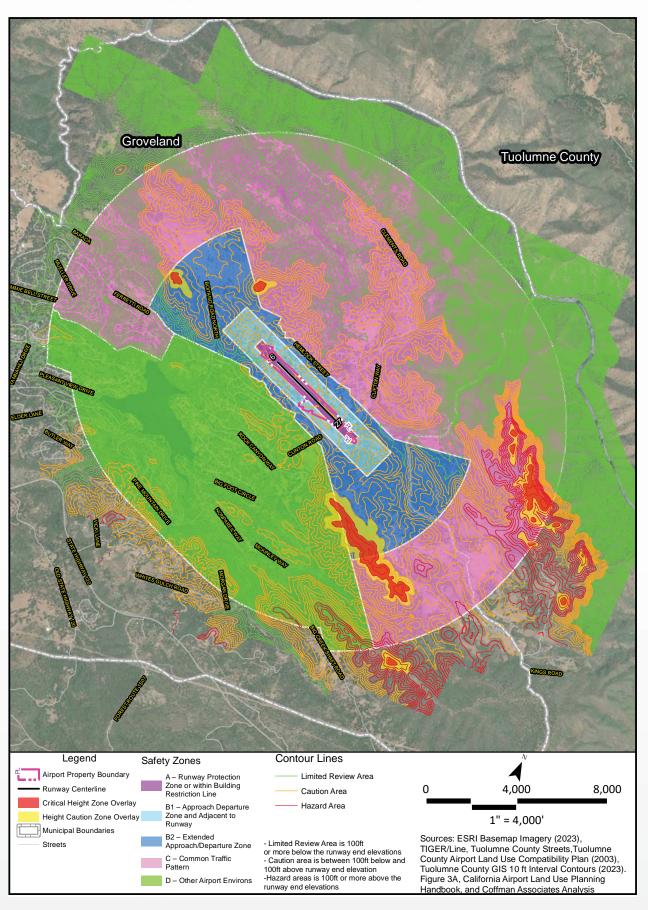
Source: Coffman Associates Analysis; Columbia Airport Master Plan (2019)

²Total Operations Forecast reflects a Compound Annual Growth Rate (CAGR) of 1.57% as discussed in Chapter Two – Forecast of the 2019 Columbia Airport Master Plan.



¹ FAA 5010 Airport Master Record, operations for 12 months ending June 25, 2019

COMPATIBILITY ZONES





COMPATIBILITY ZONES

