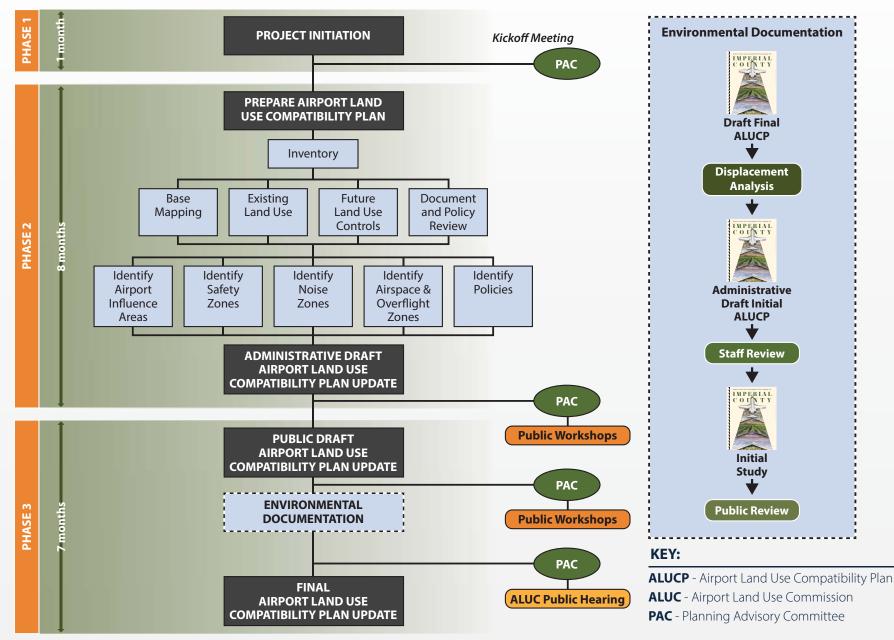
What's Your Land Use Compatibility Priority?

Airspace Obstructions	Noise	Safety on the Ground	Wildlife Hazards	Other

Study Process



What It Is/What It Isn't

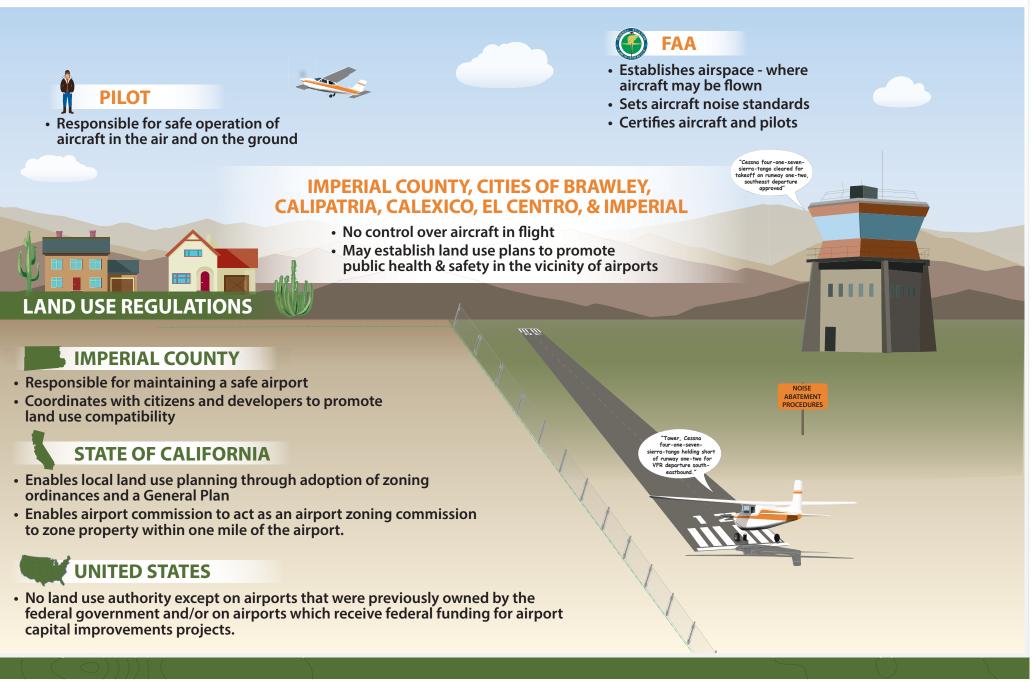
The Airport Land Use Compatibility Plan <u>Can</u> Be Used To:

- 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

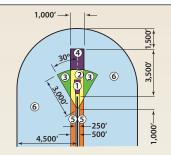
The Airport Land Use Compatibility Plan <u>Cannot</u> Be Used To:

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

Aircraft and Airspace Regulations

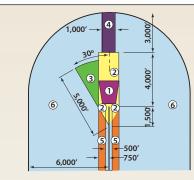


Airport Land Use Planning Handbook Safety Zones



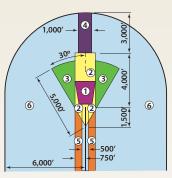
SHORT GENERAL AVIATION RUNWAY

- Assumptions:
- Length less than 4,000 feet
- Approach visibility minimums ≥ 1 mile or
- visual approach only
- Zone 1 = 250' x 450' x 1,000'



GENERAL AVIATION RUNWAY WITH SINGLE-SIDED TRAFFIC PATTERN

- Assumptions:
- Length 4,000 to 5,999 feet
- Approach visibility minimums ≥ ¾ mile and < 1 mile
- Zone 1 = 1,000' x 1,510' x 1,700
- See Note.



1.000'-

6,000

6,000'

Runway Protection Zone

20

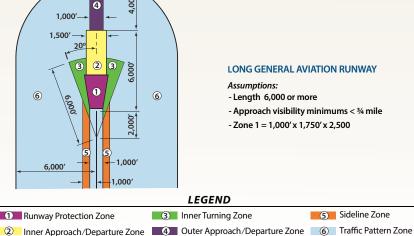
(2) 3

1,500'

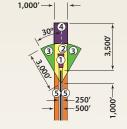
6



- Assumptions:
- Length 4,000 to 5,999 feet
- Approach visibility minimums \geq 3/4 mile and < 1 mile
- Zone 1 = 1,000' x 1,510' x 1,700



Source: California Airport Land Use Planning Handbook, 2011.



2)

LOW ACTIVITY GENERAL AVIATION RUNWAY

- Assumptions:
- Less than 2,000 takeoffs and landings per year at individual runway end.
- Length less than 4,000 feet
- Approach visibility minimums ≥ 1 mile or visual approach only
- See Note.

LARGE AIR CARRIER RUNWAY

- Assumptions:
- Minimal light-aircraft general aviation activity
- Predominately straight-in and straight-out flight routes
- Approach visibility minimums < 3/4 mile See Note

Note:

RPZ (Zone 1) size in each example is as indicated by FAA criteria for the approach type assumed. Adjustment may be necessary if the Approach type differs.

These examples are intended to provide general guidance for establishment of airport safety compatibility zones. They do not represent California Department of Transportation standards of policy.

LEGEND 3 Inner Turning Zone

Runway Protection Zone

1,000'-

1,000

1.500'

2 Inner Approach/Departure Zone 4 Outer Approach/Departure Zone 6 Traffic Pattern Zone

1,000

Source: California Airport Land Use Planning Handbook, 2011.

- 5 Sideline Zone

Airport Land Use Planning Handbook Safety Zones

	LAND USE	Yearly Day-Night Average Sound Level (DNL) in Decibels					
		Below 65	65-70	70-75	75-80	80-85	Over 85
Reside	ntial						
	Residential, other than mobile homes and transient lodgings	Y	N ¹	N ¹	N	N	N
I	Mobile home parks	Y	Ν	N	N	N	N
	Transient lodgings	Y	N ¹	N ¹	N ¹	Ν	N
ublic	Use						
٠	Schools	Y	N ¹	N ¹	N	N	N
H	Hospitals and nursing homes	Y	25	30	N	N	N
	Churches, auditoriums, and concert halls	Y	25	30	N	Ν	N
$\overline{\mathbf{m}}$	Government services	Y	Y	25	30	N	N
	Transportation	Y	Y	Y ²	Y ³	Y ⁴	Y ⁴
Ρ	Parking	Y	Y	Y ²	Y ³	Y ⁴	N
Comm	ercial Use						
1 T D	Offices, business and professional	Y	Y	25	30	Ν	N
\mathbf{x}	Wholesale and retail-building materials, hardware and farm equipment	Y	Y	Y ²	Y ³	Y ⁴	N
	Retail trade-general	Y	Y	25	30	N	N
	Utilities	Y	Y	Y ²	Y ³	Y ⁴	N
	Communication	Y	Y	25	30	Ν	N
/anuf	acturing & Production						
Ĩ	Manufacturing, general	Y	Y	Y ²	Y ³	Y ⁴	N
	Photographic and optical	Y	Y	25	30	N	N
	Agriculture (except livestock) and forestry	Y	Y ⁶	Y7	Y ⁸	Y ⁸	Y ⁸
	Livestock farming and breeding	Y	Y ⁶	Y7	N	N	N
	Mining and fishing, resource production and extraction	Y	Y	Y	Y	Y	Y
	tional						
₽°₽`	Outdoor sports arenas and spectator sports	Y	Y ⁵	Y ⁵	N	Ν	Ν
	Outdoor music shells, amphitheaters	Y	Ν	Ν	N	N	N
1	Nature exhibits and zoos	Y	Y	N	N	N	N
	Amusements, parks, resorts, and camps	Y	Y	Y	N	N	N
5	Golf courses, riding stables, and water recreation	Y	Y	25	30	N	N

The designations contained in this table do not constitute a federal determination that any use of land covered by the program is acceptable under federal, state, or local law. The responsibility for determining the acceptable and permissible land uses and the relationship between specific properties and specific noise contours rests with the local authorities. FAA determinations under Part 150 are not intended to substitute federally-determined land uses for those determined to be appropriate by local authorities in response to locally-determined needs and values in achieving noise compatible land uses.

K

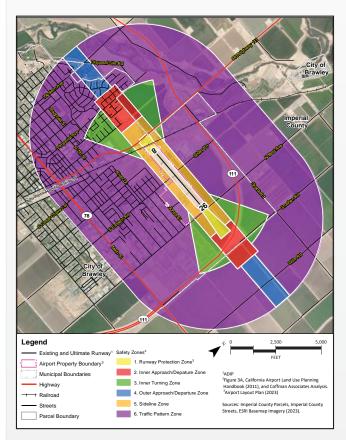
Y (Yes)	Land Use and related structures compatible without restrictions.
N (No)	Land Use and related structures are not compatible and should be prohibited.
NLR	Noise Level Reduction (outdoor-to-indoor) to be achieved through incorporation of noise attenuation into the design and construction of the structure.
25, 30, 35	Land Use and related structures generally compatible; measures to achieve NLR of 25, 30, or 35 dB must be incorporated into design and construction of structure.

NOTES

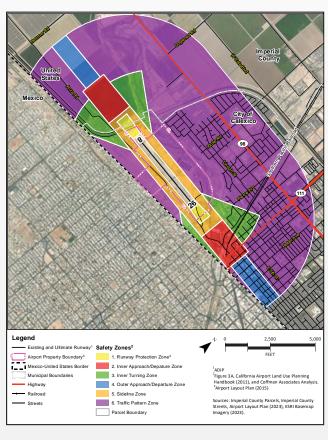
- 1. Where the community determines that residential or school uses must be allowed, measures to achieve outdoor-to-indoor Noise Level Reduction (NLR) of at least 25 dB and 30 dB, respectively, should be incorporated into building codes and be considered in individual approvals. Normal residential construction can be expected to provide an NLR of 20 dB; thus, the reduction requirements are often stated as 5, 10, or 15 dB over standard construction and normally assume mechanical ventilation and closed windows year round. However, the use of NLR criteria will not eliminate outdoor noise problems.
- 2. Measures to achieve NLR of 25 dB must be incorporated into the design and construction of portions of these buildings where the public is received, office areas, noise-sensitive areas, or where the normal noise level is low.
- 3. Measures to achieve NLR of 30 dB must be incorporated into the design and construction of portions of these buildings where the public is received, office areas, noise-sensitive areas, or where the normal noise level is low.
- 4. Measures to achieve NLR of 35 dB must be incorporated into the design and construction of portions of these buildings where the public is received, office areas, noise-sensitive areas, or where the normal noise level is low.
- 5. Land use compatible provided special sound reinforcement systems are installed.
- 6. Residential buildings require an NLR of 25.
- 7. Residential buildings require an NLR of 30.
- 8. Residential buildings not permitted.
- Source: 14 CFR Part 150, Appendix A, Table 1.

Safety Zones

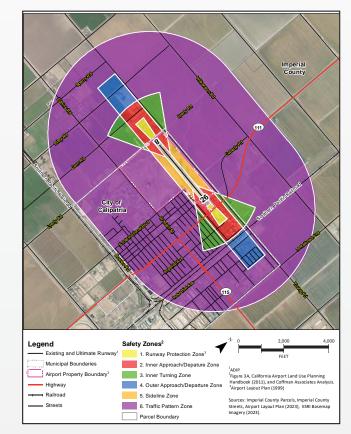
Brawley (BWC)



Calexico (CXL)

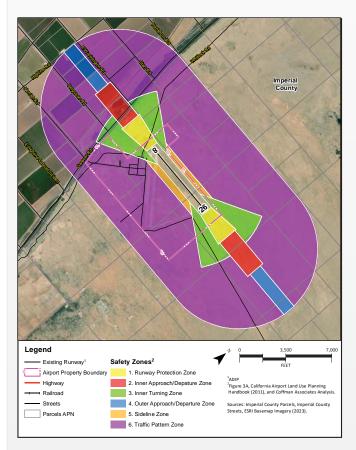


Cliff Hatfield (CLR)

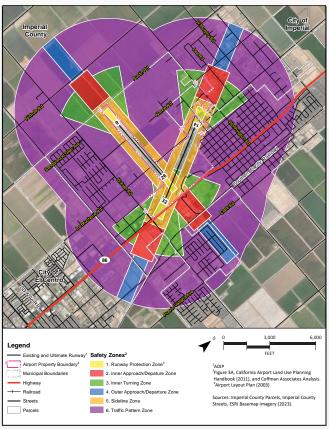


Safety Zones

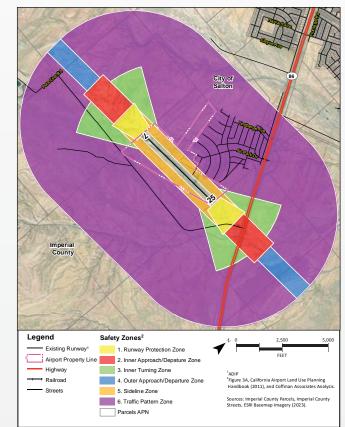
Holtville (L04)



Imperial County (IPL)



Salton Sea (SAS)



Safety Zone Compatibility Criteria Matrix

Dwelling Units (d.u.) per Acre ¹	Max Nonresidential Intensity ²	Required Open Land	Allow	Allow With Conditions	Not Recommended ³	Other Development Conditions ⁴
Zone 1: Runway Protection						
• None	• None	 All Remaining 	• None	• None	 All new structures and residential land uses Parking lots, streets, roads 	Not Applicable
Zone 2: Inner	Approach/Departure					
• 1 d.u. per 10 acres	• 40 persons per acre	• 30%	Agriculture; non-group outdoor recreational uses	 Residential uses Warehouses, mini-storage Industrial uses; vehicle, aircraft, marine repair services All uses are subject to height limitations for airspace protection 	 Major shopping centers, theaters, meeting halls, and other assembly facilities Children's schools, day-care centers, hospitals, nursing homes Stadiums, recreation facilities Hazardous materials 	 Airspace review in accordance with 14 CF Part 77.9 (FAA Form 7460)⁵ Dedication of avigation easement⁶ Locate structures maximum distance from extended runway centerline Minimum NLR of 45 dB residences (including mobile homes) and office buildings⁷
Zone 3: Inner	Turning					
• 1 d.u. per 2 acres	• 70 persons per acre	• 20%	Uses allowed in Zone 2 Greenhouses	 Uses allowed with conditions in Zone 2 Office, retail, and other commercial uses 	 Major shopping centers, theaters, meeting halls, and other assembly facilities Children's schools, day-care centers, hospitals, nursing homes Stadiums, recreation facilities Hazardous materials 	 Airspace review in accordance with 14 CF Part 77.9 (FAA Form 7460)⁵ Dedication of avigation easement⁶ Locate structures maximum distance from extended runway centerline Minimum NLR of 45 dB residences (including mobile homes) and office buildings²
Zone 4: Outer	Approach/Departure					
• 1 d.u. per 2 acres	• 100 persons per acre	• 30%	Uses allowed in Zone 2	• Uses allowed with conditions in Zone 2-3	 Theaters, meeting halls, and other assembly facilities Children's schools, day-care centers, hospitals, nursing homes Stadiums, recreation facilities Hazardous materials 	 Airspace review in accordance with 14 CF Part 77.9 (FAA Form 7460)⁵ Dedication of avigation easement⁶ Minimum NLR of 45 dB in residences (including mobile homes) and office buildings⁷
Zone 5: Sidelii	ne					
 1 d.u. per acre 	• 70 persons per acre	• 30%	 Uses allowed in Zone 2- 4 	 Uses allowed with conditions in Zone 2-4 Residential Uses 	 Stadiums, recreation facilities Children's schools, day-care centers, hospitals, nursing homes 	 Airspace review in accordance with 14 CF Part 77.9 (FAA Form 7460)⁵ Dedication of avigation easement6
Zone 6: Traffi	c Pattern					
• No Limit	• 200 persons per acre	• 10%	Uses allowed with conditions in Zones 2-5	 Uses allowed with conditions in Zones 2-5 Children's schools, day-care centers, hospitals, and nursing homes Outdoor stadiums and similar uses with high concentration of people 	• None	 Airspace review in accordance with 14 CF Part 77.9 (FAA Form 7460)⁵ Deed notice required for residential uses
Zone 7: Conica	al Surface					
No Limit	No Limit	None	 Uses Allowed in Zone 2-6 	• Any	None	 Airspace review in accordance with 14 Cl Part 77.9 (FAA Form 7460)⁵
issue plus a sha	are of adjacent roads and ar	ny adjacent, per	ated number of dwelling unit manently dedicated, open lar	ids.		aged. Gross acreage includes the property at

³ The uses listed here are not recommended regardless of whether they meet the intensity criteria, subject to applicable state or federal law. In addition to these uses, other uses that are normally permitted may

not be recommended in the respective compatibility zones because they do not meet the usage intensity criteria.

⁴ Additional resources may be found on the Imperial County Planning and Development Service Department's website: https://www.icpds.com/

⁵ Information regarding FAA airspace review filing requirements may be found on the FAA's Obstruction Evaluation/Airport Airspace Analysis (OE/AAA) portal:

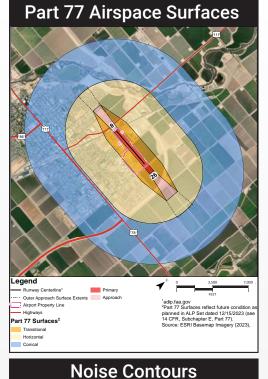
https://oeaaa.faa.gov/oeaaa/external/portal.jsp

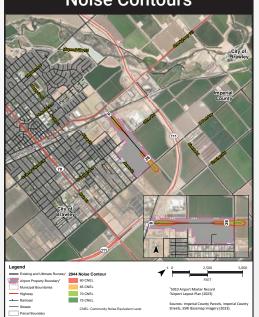
⁶ As part of certain real estate transactions involving residential property within any compatibility zone (that is, anywhere within an airport influence area), disclosure of information regarding airport proximity and the existence of aircraft overflights must be disclosed. This requirement is set by state law.

⁷ NLR = Noise Level Reduction: the outside-to-inside sound level attenuation the structure provides.

Legend:

RPZ = Runway Protection ZoneTPZ = Traffic Pattern ZoneITZ = Inner Turning ZoneIADZ = Inner Approach/Departure ZoneSZ = Sideline Safety ZoneOADZ = Outer Approach/Departure Zone

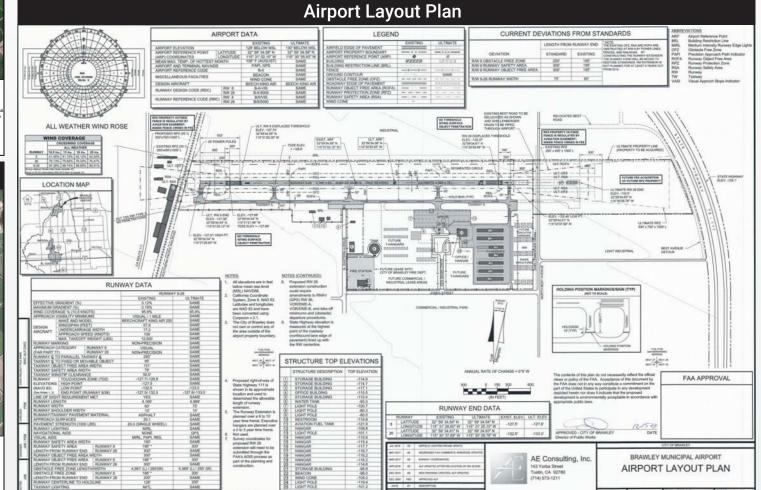


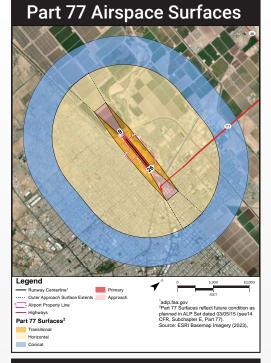


Brawley Municipal Airport (BWC)

Table A1: Aircraft Fleet Mix and Operations

AEDT Designator	2044*				
Itinerant					
GASEPF	309				
GASEPV	309				
BEC58P	162				
DHC6	174				
Pilatus PC-12	174				
SA350D	200				
	1,328				
GASEPF	409				
GASEPV	409				
BEC58P	162				
	980				
nd Total	2,308				
	GASEPF GASEPV BECS8P DHC6 Pilatus PC-12 SA350D GASEPF GASEPF GASEPV				



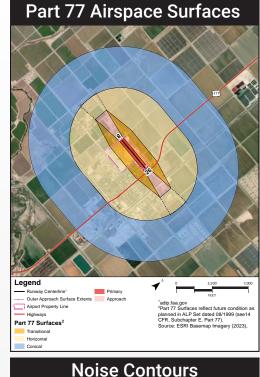


Calexico International Airport *(CXL)*

Table A1: Aircraft Fleet Mix and Operations

Operations	AEDT Designator	2044*			
tinerant					
Single Engine, Fixed	GASEPF	508			
Single Engine, Variable	GASEPV	507			
Multi-Engine Piston	BEC58P	385			
Turboprop	DHC6	233			
Turboprop	Pilatus PC-12	169			
Turbojet, Small	SA350D	245			
Turbojet, Medium	CNA55B	120			
Itinerant Subtotal		2,167			
Local					
Single Engine, Fixed	GASEPF	121			
Single Engine, Variable	GASEPV	120			
Local Subtotal	241				
Grand Total	2,408				
Source: *FAA Terminal Area Forecast, Fiscal Years 2023-2050, January 2024					





City of

60 CNEL

75 CNEL

CNEL: Community Noise Equivalent Level

65 CNEL

70 CNEL

Imagery (2023)

County

Legend

Highway Municipal

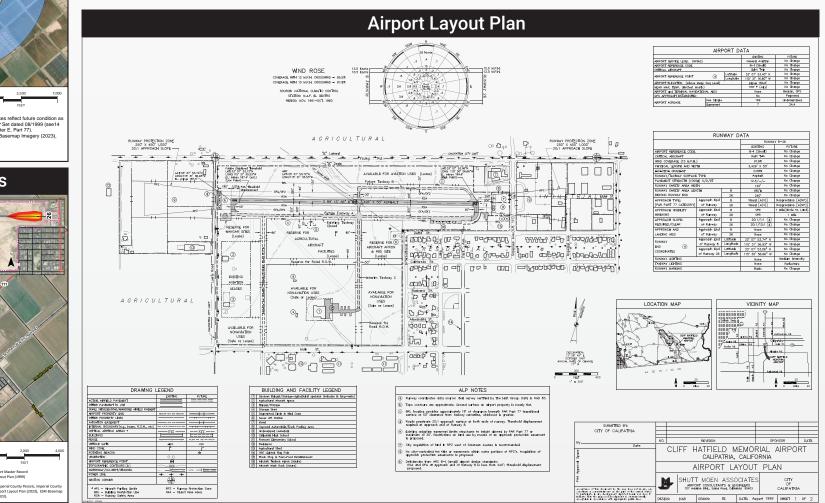
Parcel Bound

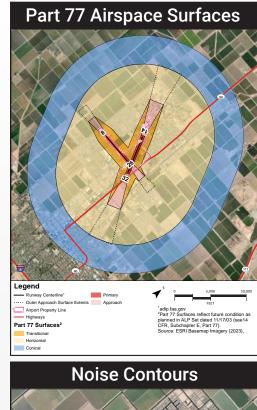
Existing and Ut

Airport Property Boundary

Cliff Hatfield Memorial Airport (CLR)

Table A1: Aircraft Fleet Mix and Operations					
Operations	AEDT Designator	2044*			
Itinerant					
Single Engine, Variable	GASEPV	1,000			
Itinerant Subtotal 1,000					
Local					
N/A	N/A	0			
Grand Total		1,000			
Source: *FAA Terminal Area Forecast, Fiscal Years 2023-2050, January 2024					



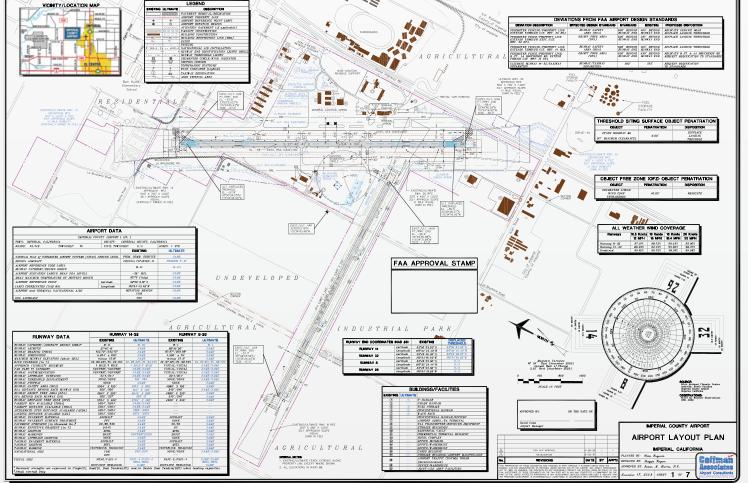


Imperial County Airport (IPL)

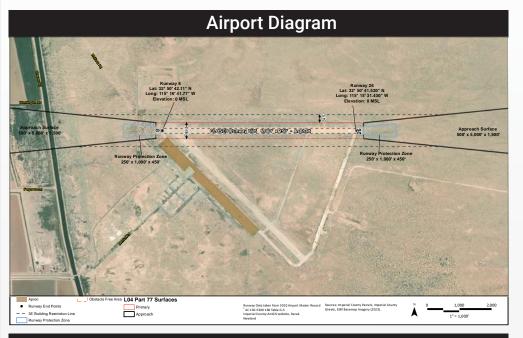
Table A1: Aircraft Fleet Mix and Operations

Operations	AEDT Designator	2044*
Itinerant		
Single Engine, Fixed	GASEPF	234
Single Engine, Variable	GASEPV	234
Multi-Engine Piston	BEC58P	25
Turboprop	Pilatus PC-12	1,174
Military Helicopter, V-22 Osprey	CH47D	1,221
Military Helicopter, AH-1 Huey Cobra	SA365N	1,220
Military Helicopter, CH-53 Sea Stallion	S65	1,220
Itinerant Subtotal	5,328	
Local		
Single Engine, Fixed	GASEPF	523
Single Engine, Variable	GASEPV	522
Multi-Engine Piston	BEC58P	55
Local Subtotal	1,100	
Grand Total	6,428	

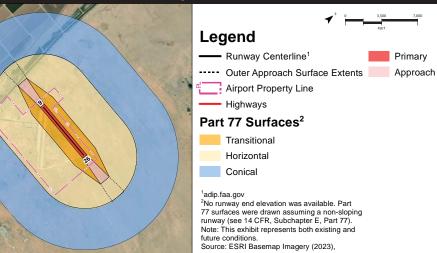
Airport Layout Plan



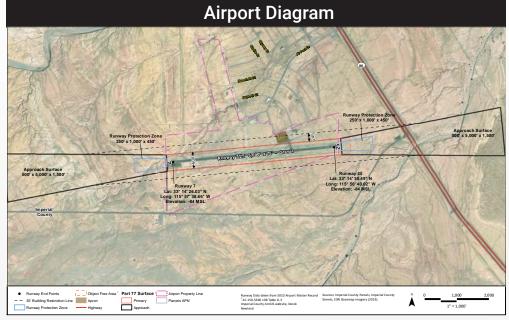
Holtville Airport (L04)



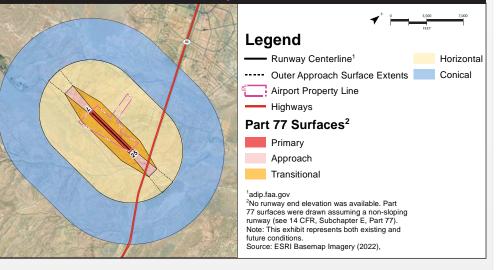
Part 77 Airspace Surfaces



Salton Sea Airport (SAS)



Part 77 Airspace Surfaces



El Centro Naval Air Facility

