

14 CFR PART 150 LAND USE COMPATIBILITY GUIDELINES

LAND USE	Yearly Day-Night Average Sound Level (DNL) in Decibels					
	Below 65	65-70	70-75	75-80	80-85	Over 85
Residential						
Residential, other than mobile homes and transient lodgings	Y	N ¹	N ¹	N	N	N
Mobile home parks	Y	N	N	N	N	N
Transient lodgings	Y	N ¹	N ¹	N ¹	N	N
Public Use						
Schools	Y	N ¹	N ¹	N	N	N
Hospitals and nursing homes	Y	25	30	N	N	N
Churches, auditoriums, and concert halls	Y	25	30	N	N	N
Government services	Y	Y	25	30	N	N
Transportation	Y	Y	Y ²	Y ³	Y ⁴	Y ⁴
Parking	Y	Y	Y ²	Y ³	Y ⁴	N
Commercial Use						
Offices, business and professional	Y	Y	25	30	N	N
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	N	N
Manufacturing and Production						
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	Y ⁷	Y ⁸	Y ⁸	Y ⁸
Livestock farming and breeding	Y	Y ⁶	Y ⁷	N	N	N
Mining and fishing, resource production and extraction	Y	Y	Y	Y	Y	Y
Recreational						
Outdoor sports arenas and spectator sports	Y	Y ⁵	Y ⁵	N	N	N
Outdoor music shells, amphitheaters	Y	N	N	N	N	N
Nature exhibits and zoos	Y	Y	N	N	N	N
Amusements, parks, resorts, and camps	Y	Y	Y	N	N	N
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.

KEY

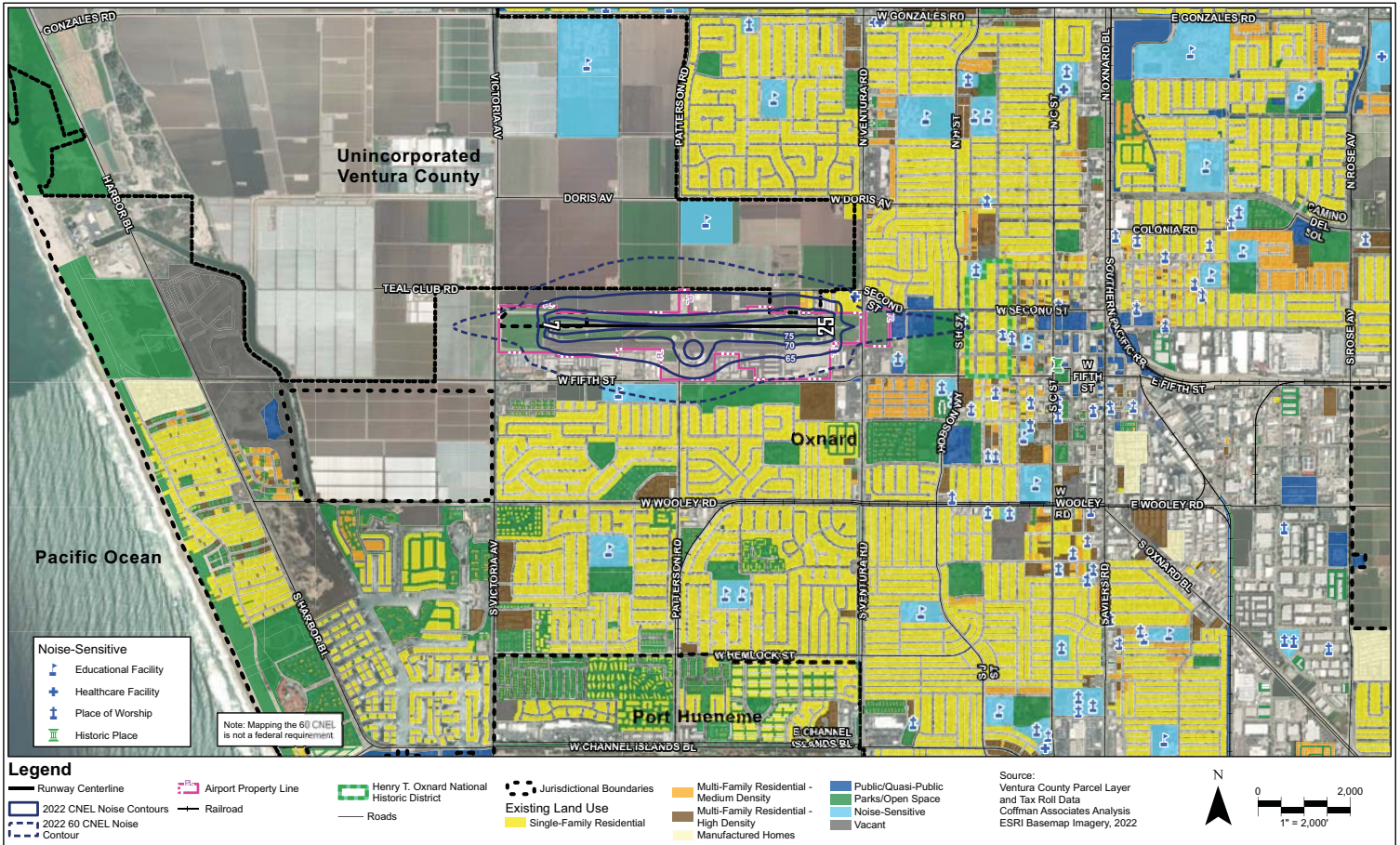
- Y (Yes)** Land Use and related structures compatible without restrictions.
- N (No)** Land Use and related structures are not compatible and should be prohibited.
- NLR** Noise Level Reduction (outdoor-to-indoor) to be achieved through incorporation of noise attenuation into the design and construction 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.

2022 NOISE CONTOURS WITH LAND USE



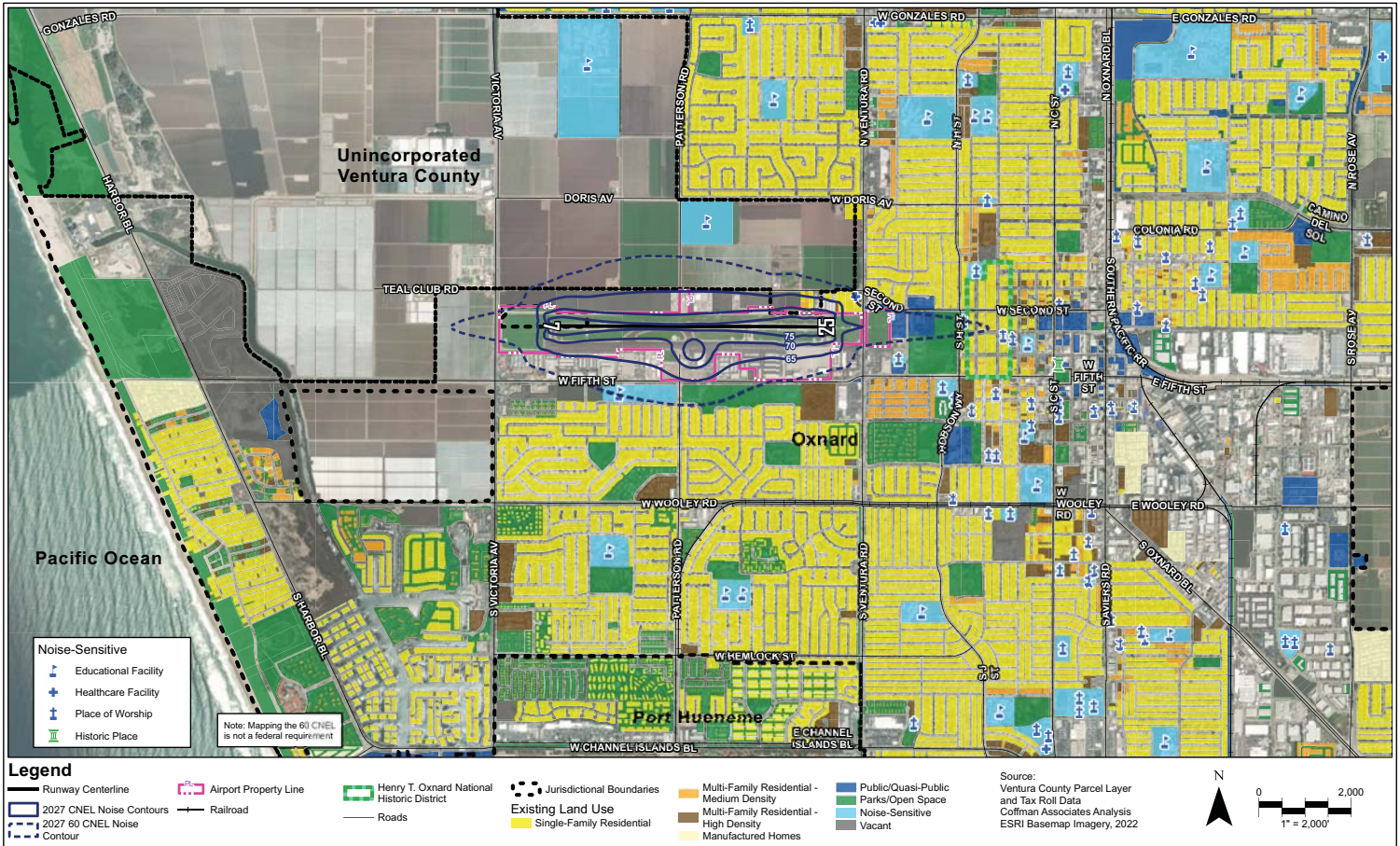
	AREA (ACRES)			
	60-65 CNEL	65-70 CNEL	70-75 CNEL	75+ CNEL
Compatible Land Uses				
Airport Property	52.29	58.27	61.38	34.17
Agricultural	71.89	0	0	0
Commercial, Industrial, Transportation, and Utilities	38.01	18.74	0.17	0
Right of Way	23.20	0.59	0.83	0
Open Space	13.06	0	0	0
Undeveloped ¹	14.56	34.55	1.12	0
Mixed-Use	0.58	1.03	0.21	0
Noise-Sensitive Land Uses				
Noise-Sensitive	9.66	0	0	0
Single-Family Residential	5.00	1.12	0.11	0
Multi-Family Residential	0.23	1.22	0.22	0
Public Buildings	0	0	0	0
Public Institutions	9.39	0	0	0
Historic Properties	0.02	0	0	0
Total	237.89	115.52	64.04	34.17

¹ Undeveloped land consists of portions of multiple parcels.

Source: Coffman Associates analysis



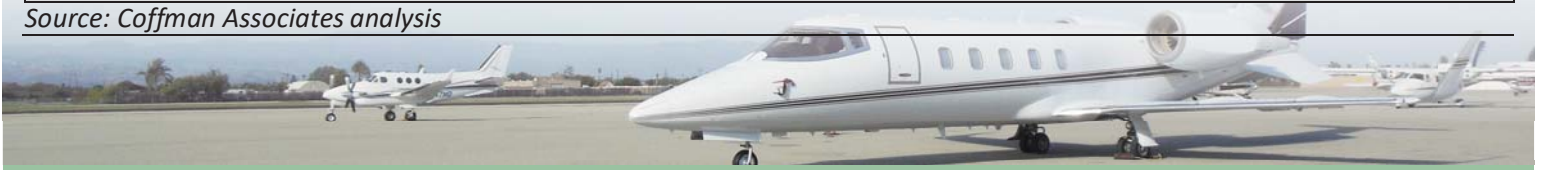
2027 NOISE CONTOURS WITH LAND USE



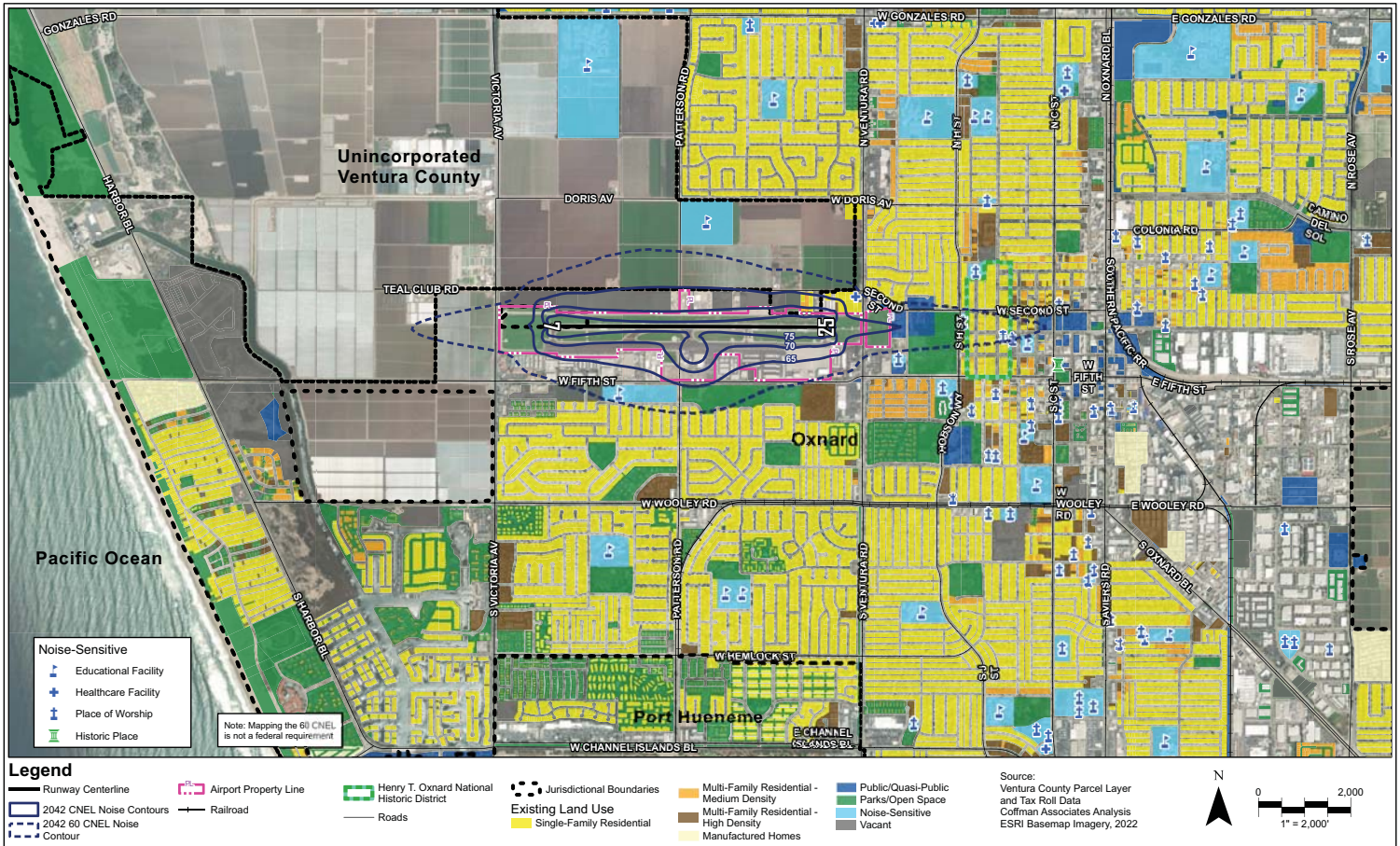
	AREA (ACRES)			
	60-65 CNEL	65-70 CNEL	70-75 CNEL	75+ CNEL
Compatible Land Uses				
Airport Property	50.72	57.25	62.82	37.41
Agricultural	77.61	0	0	0
Commercial, Industrial, Transportation, and Utilities	37.52	20.91	0.25	0
Right of Way	26.54	0.75	0.90	0
Open Space	16.69	0	0	0
Undeveloped ¹	13.00	36.40	1.54	0
Mixed-Use	0.55	1.04	0.23	0
Noise-Sensitive Land Uses				
Noise-Sensitive	11.63	0	0	0
Single-Family Residential	5.19	1.21	0.12	0
Multi-Family Residential	0.20	1.22	0.25	0
Public Buildings	0	0	0	0
Public Institutions	10.27	0	0	0
Historic Properties	1.13	0	0	0
Total	251.05	118.78	66.11	37.41

¹ Undeveloped land consists of portions of multiple parcels.

Source: Coffman Associates analysis



2042 NOISE CONTOURS WITH LAND USE



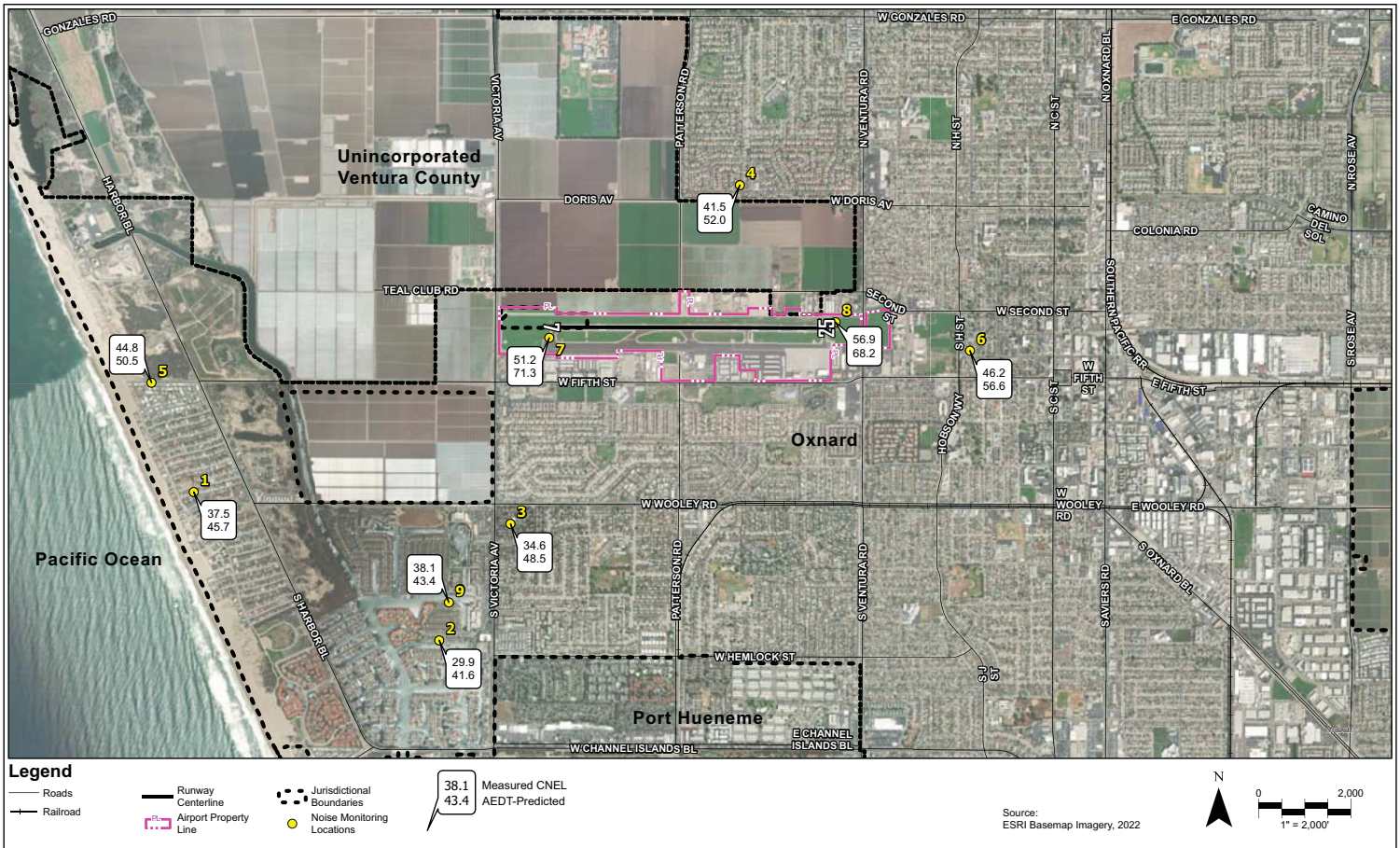
	AREA (ACRES)			
	60-65 CNEL	65-70 CNEL	70-75 CNEL	75+ CNEL
Compatible Land Uses				
Airport Property	42.34	54.91	63.29	52.70
Agricultural	113.40	1.87	0	0
Commercial, Industrial, Transportation, and Utilities	39.93	28.12	1.43	0
Right of Way	40.30	6.54	1.09	0
Open Space	28.94	0.21	0	0
Undeveloped ¹	11.57	38.57	5.67	0
Mixed-Use	0.31	1.11	0.41	0
Noise-Sensitive Land Uses				
Noise-Sensitive	15.87	0	0	0
Single-Family Residential	9.98	2.11	0.20	0
Multi-Family Residential	0.58	1.16	0.42	0
Public Buildings	0	0	0	0
Public Institutions	14.12	0.28	0	0
Historic Properties	9.18	0	0	0
Total	326.52	134.88	72.51	52.70

¹ Undeveloped land consists of portions of multiple parcels.

Source: Coffman Associates analysis



NOISE MONITOR LOCATIONS



Site/Day	Measured (CNEL ^{24t}) ¹	AEDT-Predicted 2022 ²	Difference ³
Site 1 – Residence on Whitecap Street, Oxnard Shores neighborhood, Oxnard	37.5	45.7	8.2
Site 2 – Residence on Harbour Island Lane, Channel Islands neighborhood, Oxnard	29.9	41.6	11.7
Site 3 – Residence on Via Pacific Walk, Via Marina neighborhood, Oxnard	34.6	48.5	13.9
Site 4 – Residence on Aspen Circle, Cabrillo neighborhood, Oxnard	41.5	52.0	10.5
Site 5 – Residence in Oxnard Shores Mobile Home Park, Oxnard	44.8	50.5	5.7
Site 6 – Residence on G Street, Henry T. Oxnard Historic District, Oxnard	46.2	56.6	10.4
Site 7 – Oxnard Airport, Runway 7 west end	56.9	71.2	14.3
Site 8 – Oxnard Airport, Runway 25 east end	51.2	67.6	16.4
Site 9 – Residence on Farralon Way, Channel Islands neighborhood, Oxnard	38.1	43.4	5.3

¹ May include events from airports other than Oxnard Airport.

² 2022 noise exposure contours are based on 241 daily operations.

³ A positive number in the difference column represents a modeled value that is greater than the measured value, while a negative number in the column indicates a modeled value that is less than the measured value.

Source: Coffman Associates analysis

