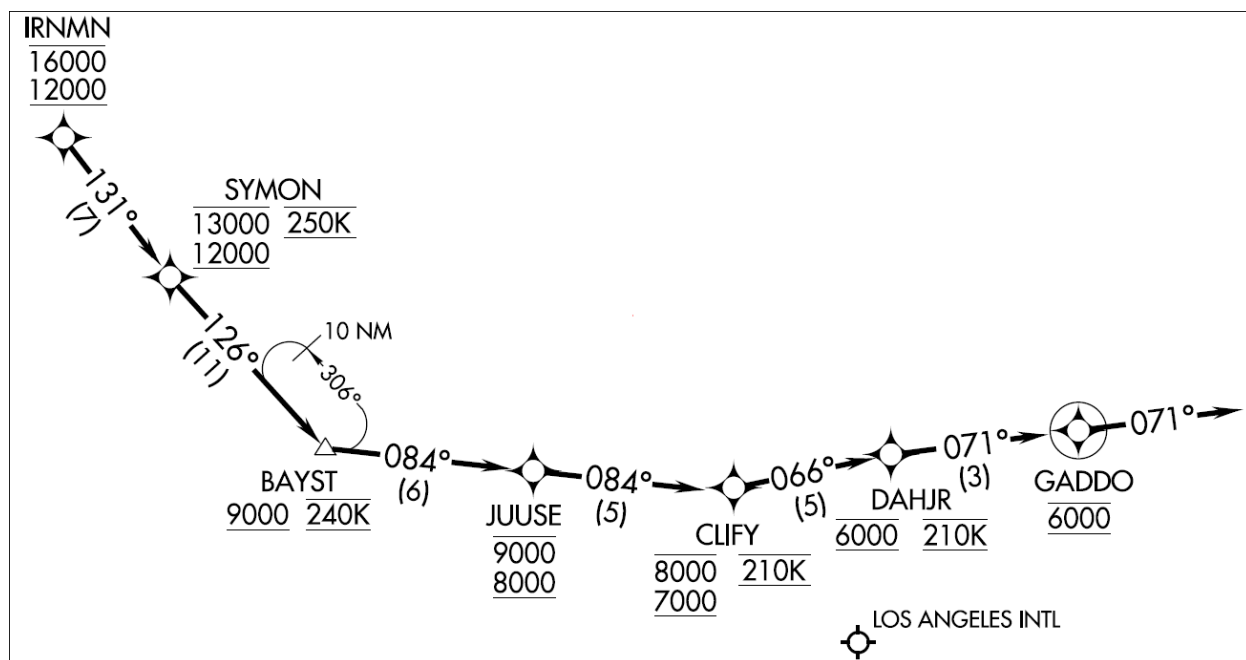


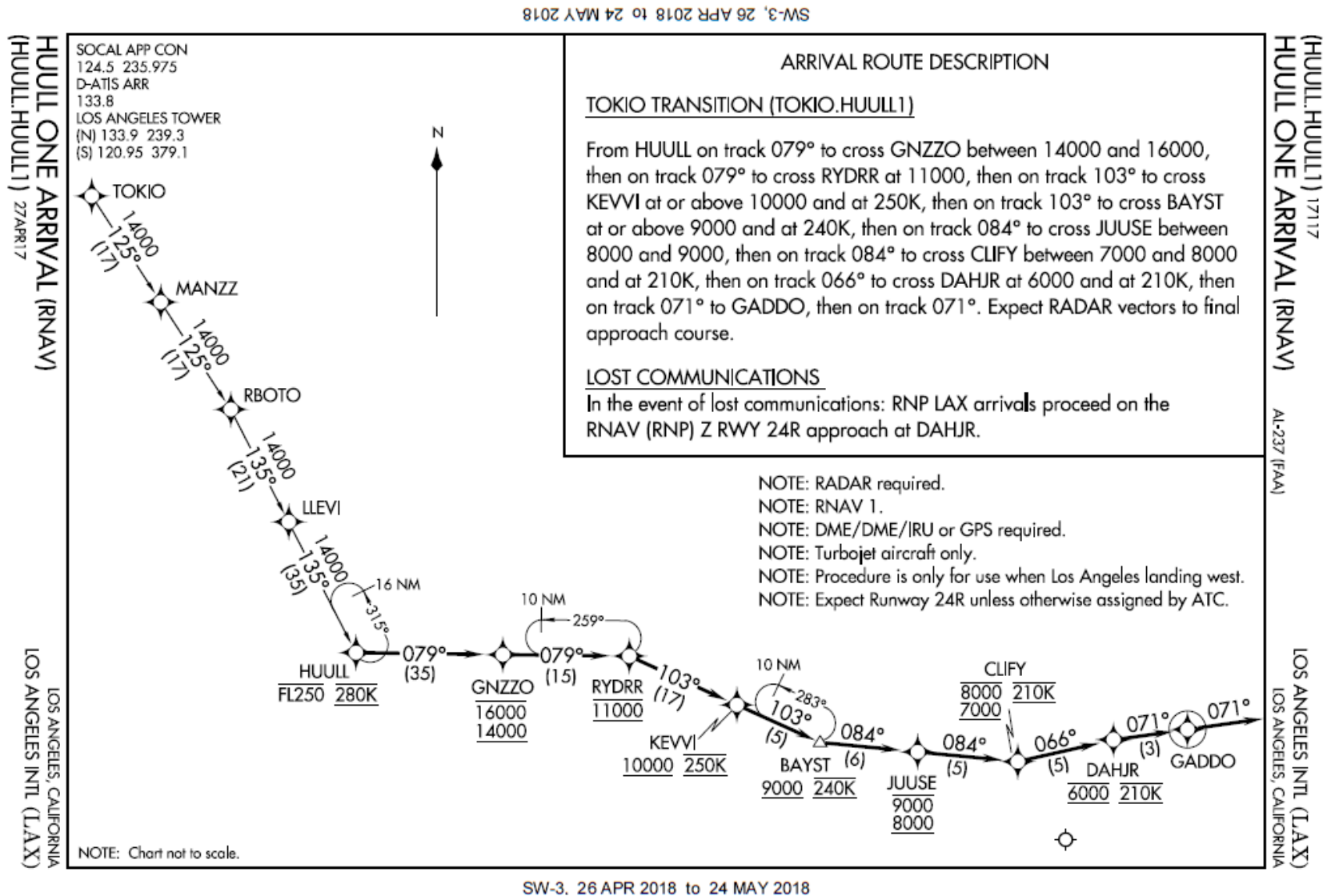
Appendix B - Figures

Figure 0. Excerpts from IRNMN TWO ARRIVAL (RNAV) Procedure Plate



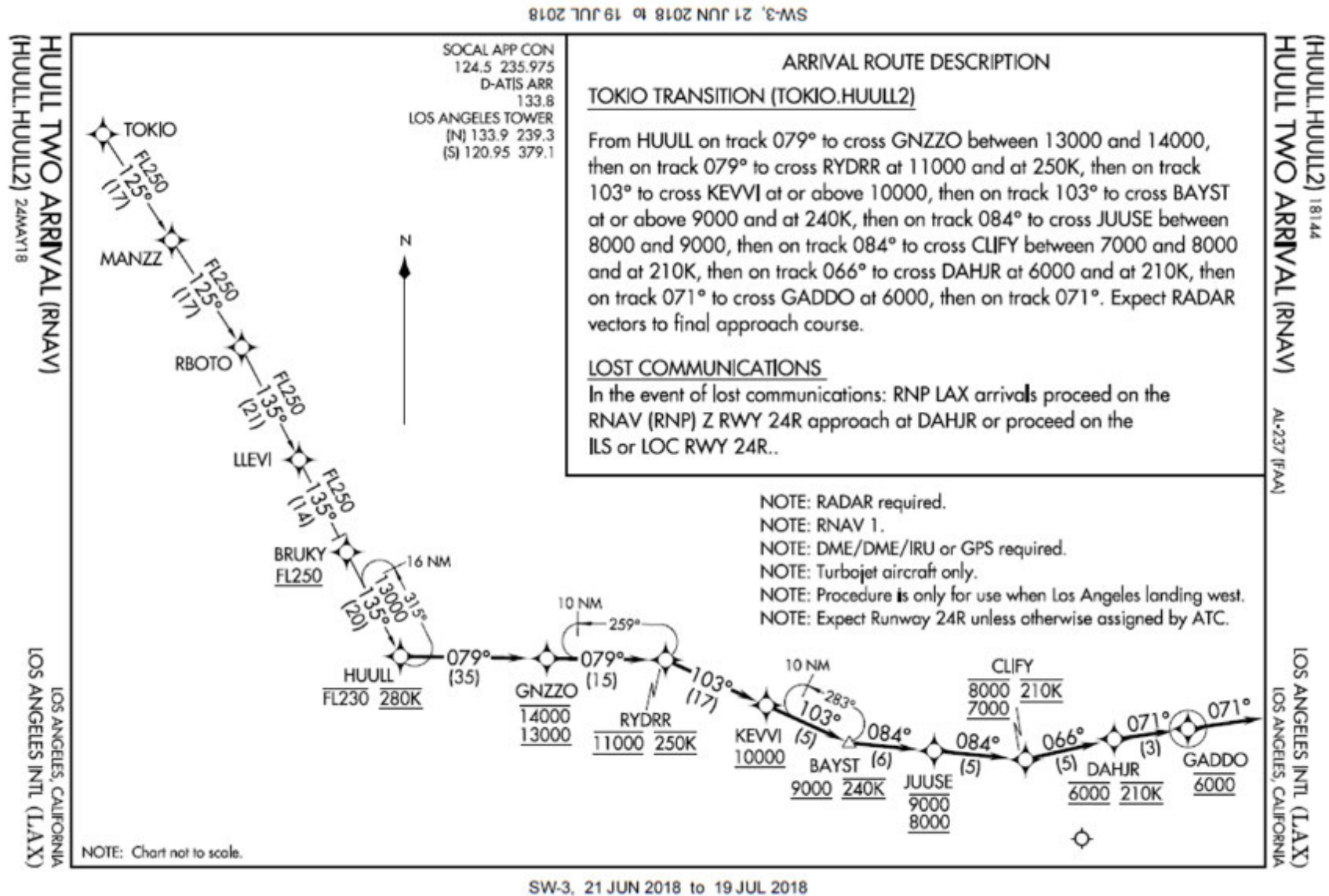
Appendix B - Figures

Figure 1. HUULL ONE ARRIVAL (RNAV) Procedure Plate



Appendix B - Figures

Figure 2. HUULL TWO ARRIVAL (RNAV) Procedure Plate



Appendix B - Figures

Figure 3. HUULL TWO ARRIVAL (RNAV) on a Street Map



Legend

- Procedure and waypoints

Appendix B - Figures

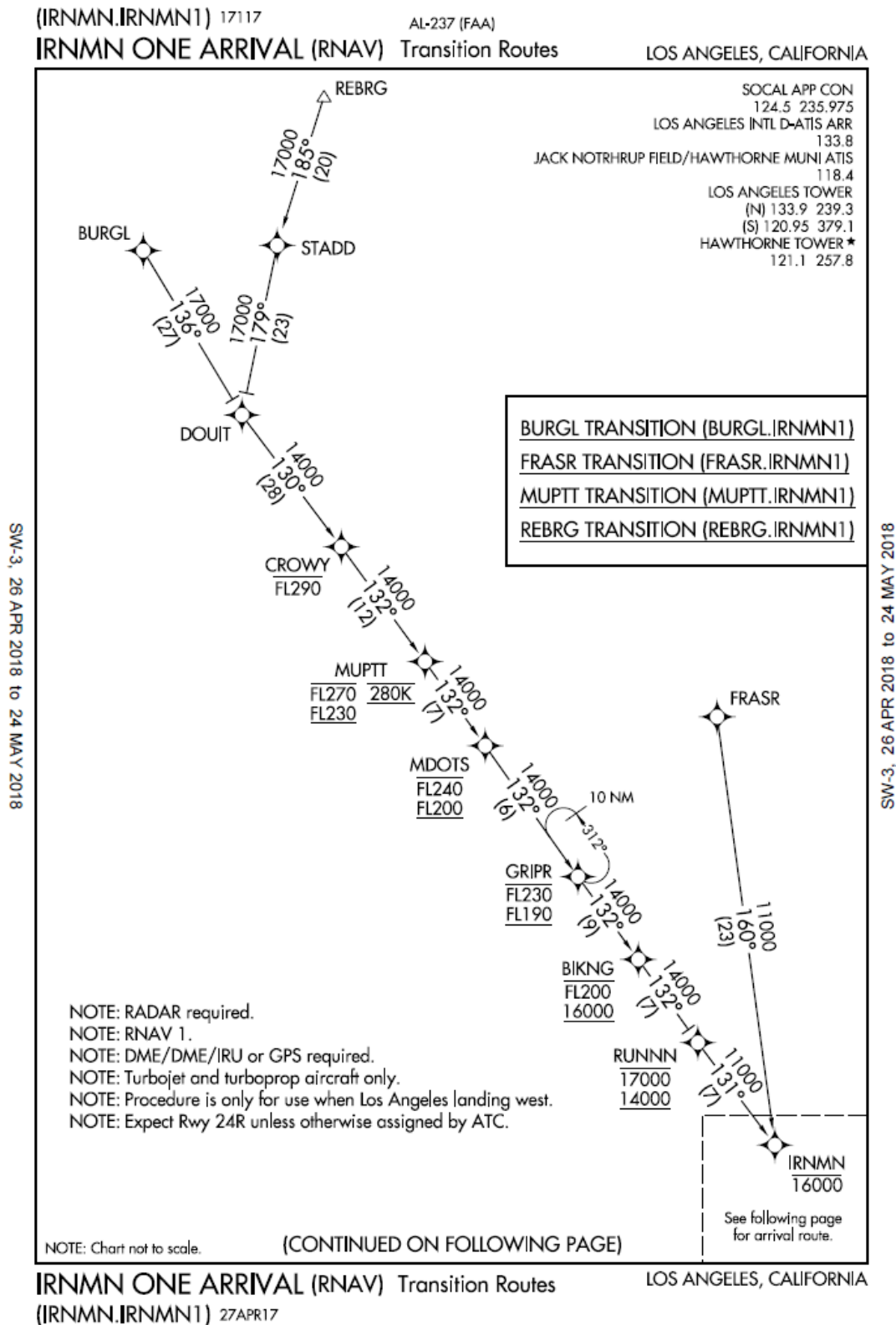
Figure 4. Changes From HUULL ONE to HUULL TWO ARRIVAL (RNAV) on a Street Map



¹ Changed altitudes are illustrated using **blue font**. Altitudes that did not change from the previous design are illustrated using **black font**. A line underneath a specified altitude indicates that aircraft will be at or above that altitude (minimum altitude). A line above a listed altitude indicates that aircraft will be at or below that altitude (maximum altitude).

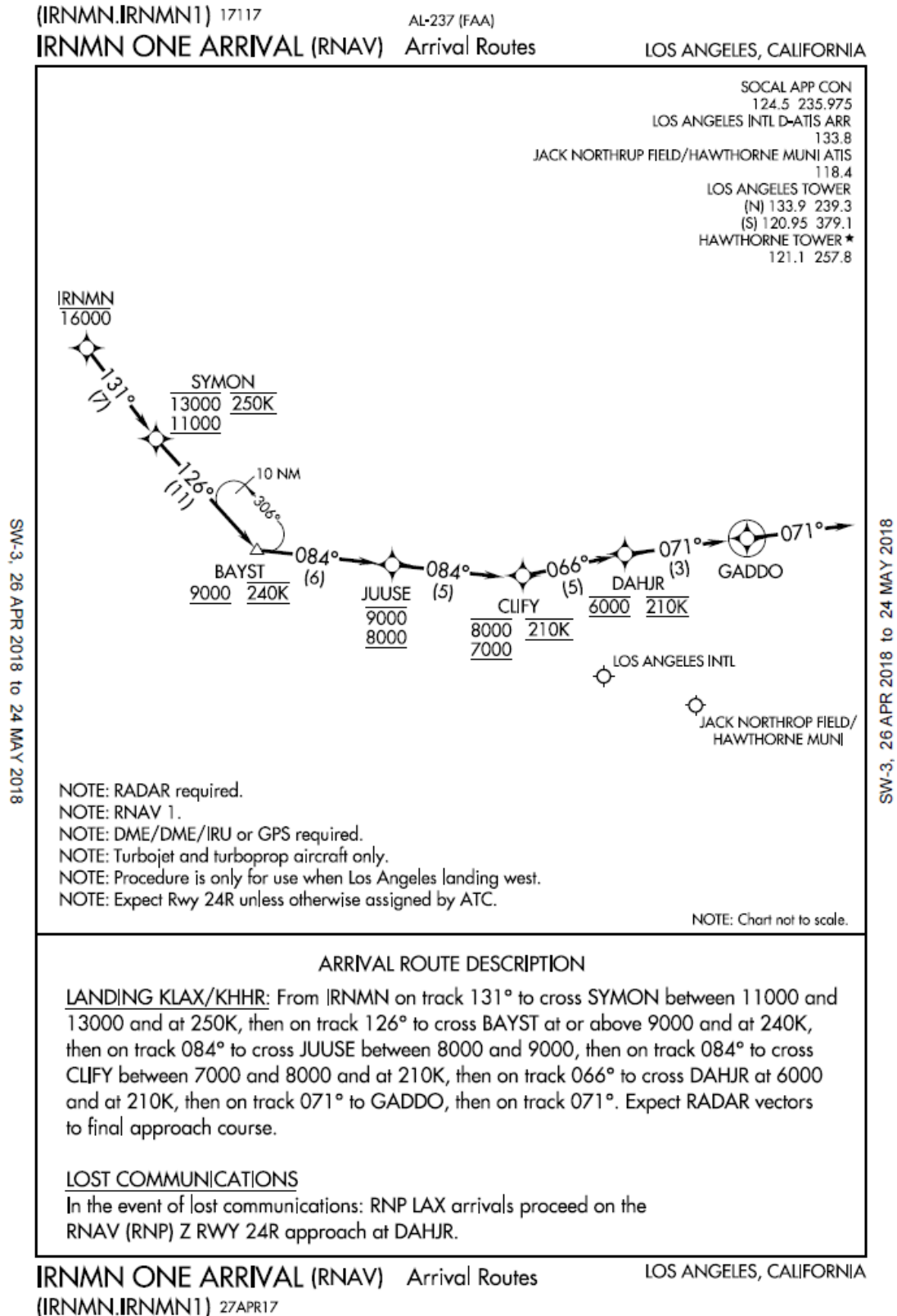
Appendix B - Figures

Figure 5. IRNMN ONE ARRIVAL (RNAV) Procedure Plate



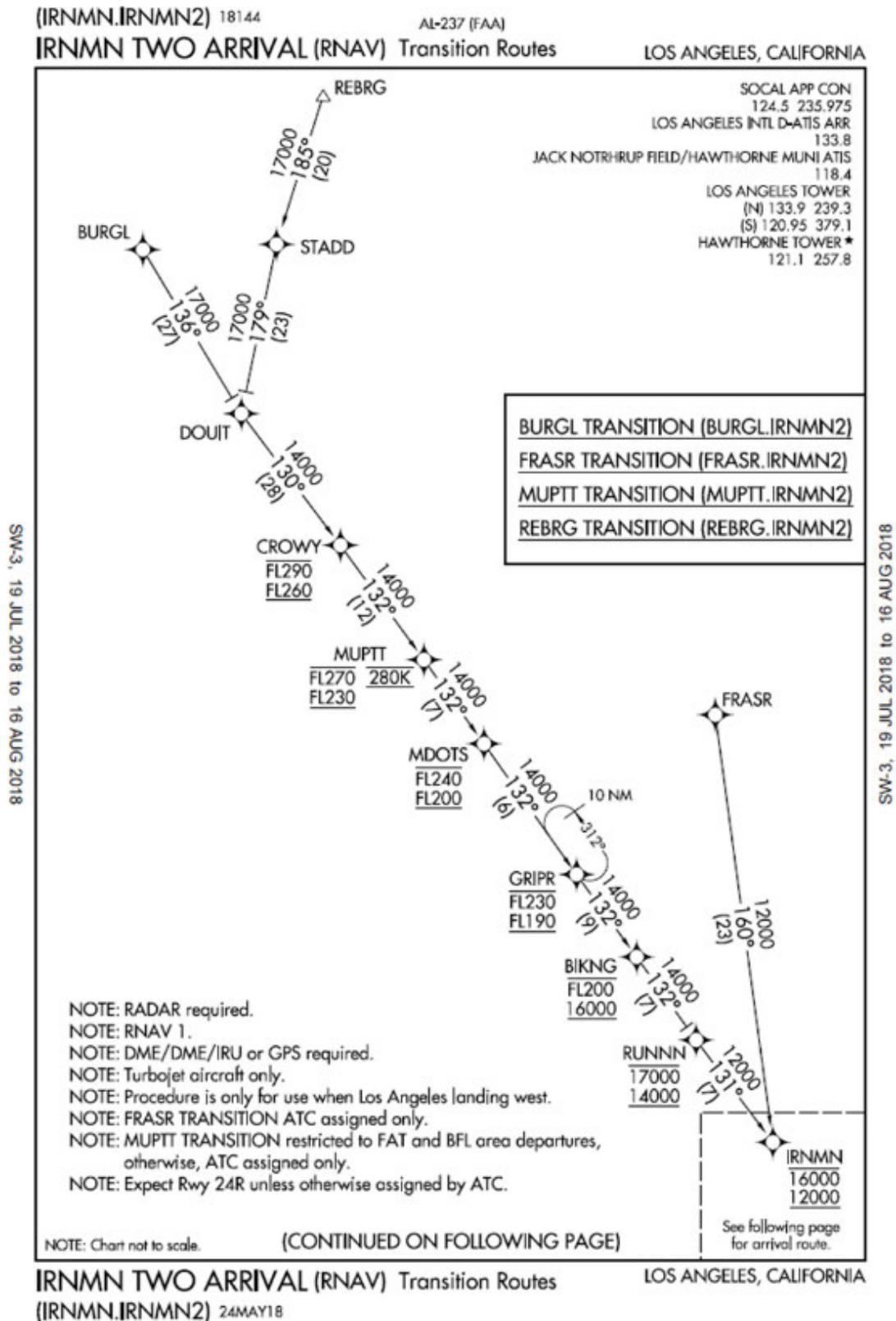
Appendix B - Figures

Figure 5 Continued. IRNMN ONE ARRIVAL (RNAV) Procedure Plate



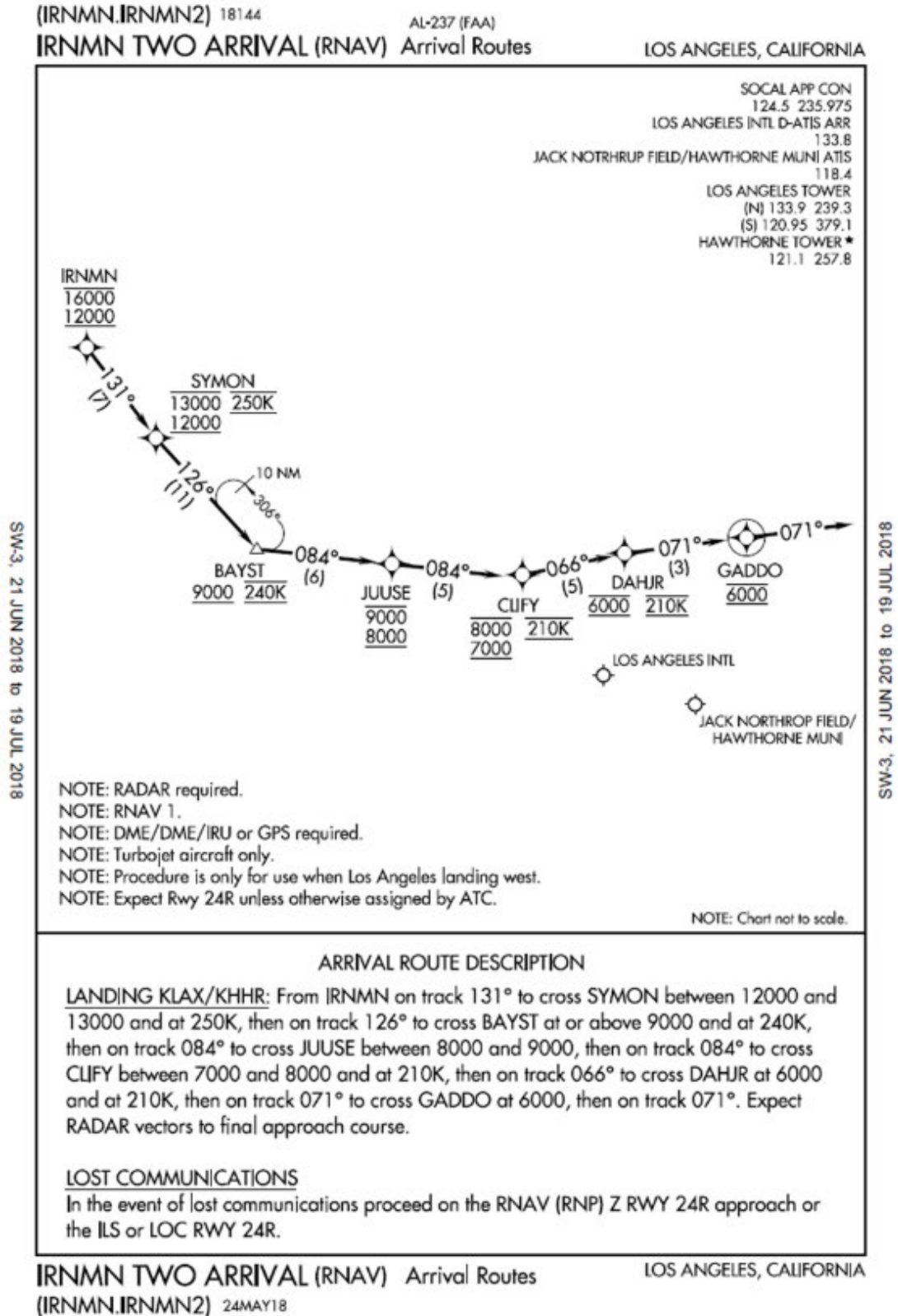
Appendix B - Figures

Figure 6. IRNMN TWO ARRIVAL (RNAV) Procedure Plate



Appendix B - Figures

Figure 6 Continued. IRNMN TWO ARRIVAL (RNAV) Procedure Plate



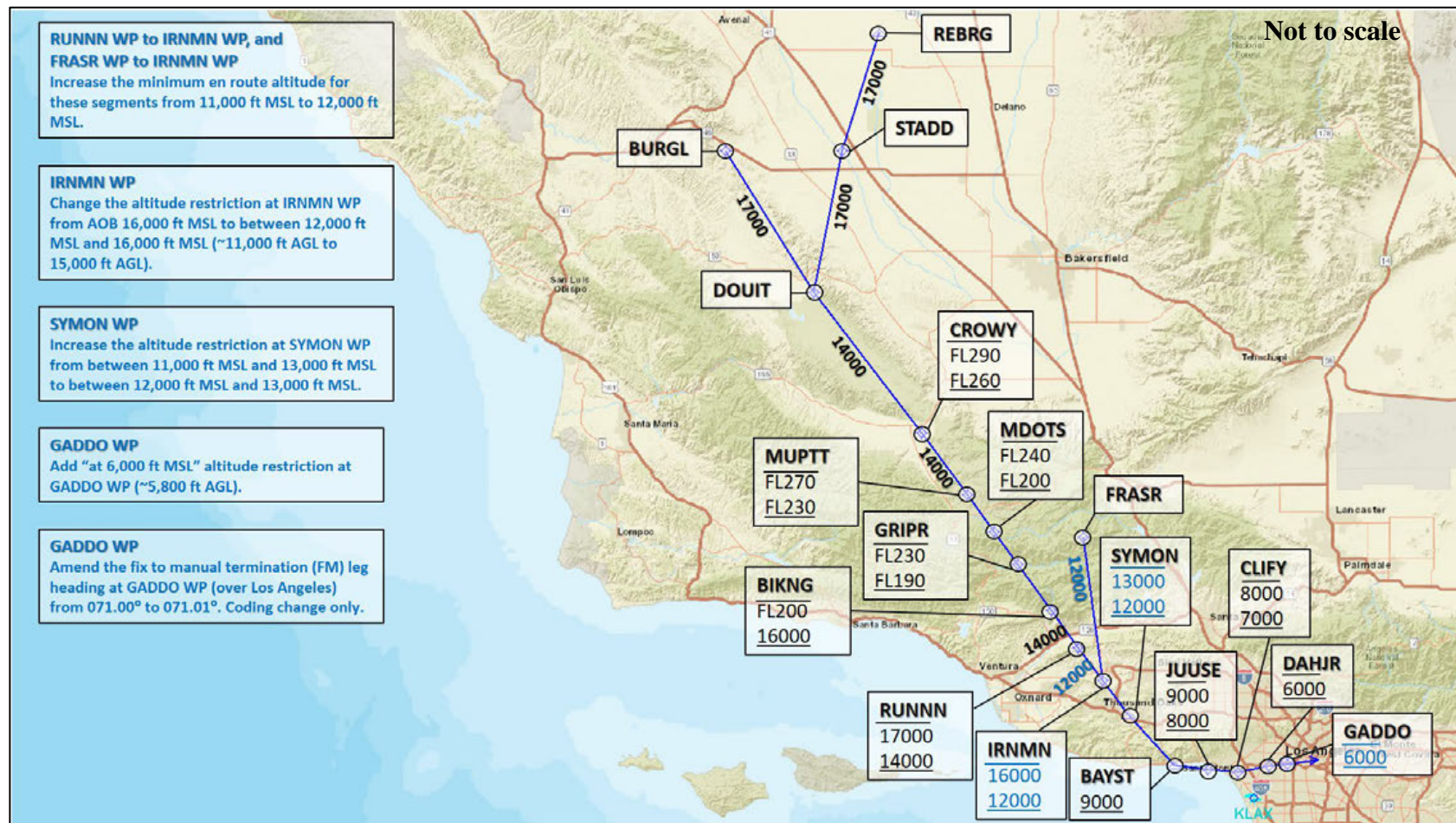
Appendix B - Figures

Figure 7. IRNMN TWO ARRIVAL (RNAV) on a Street Map





Appendix B - Figures

Figure 8. Changes from IRNMN ONE to IRNMN TWO ARRIVAL (RNAV) on a Street Map



Legend²

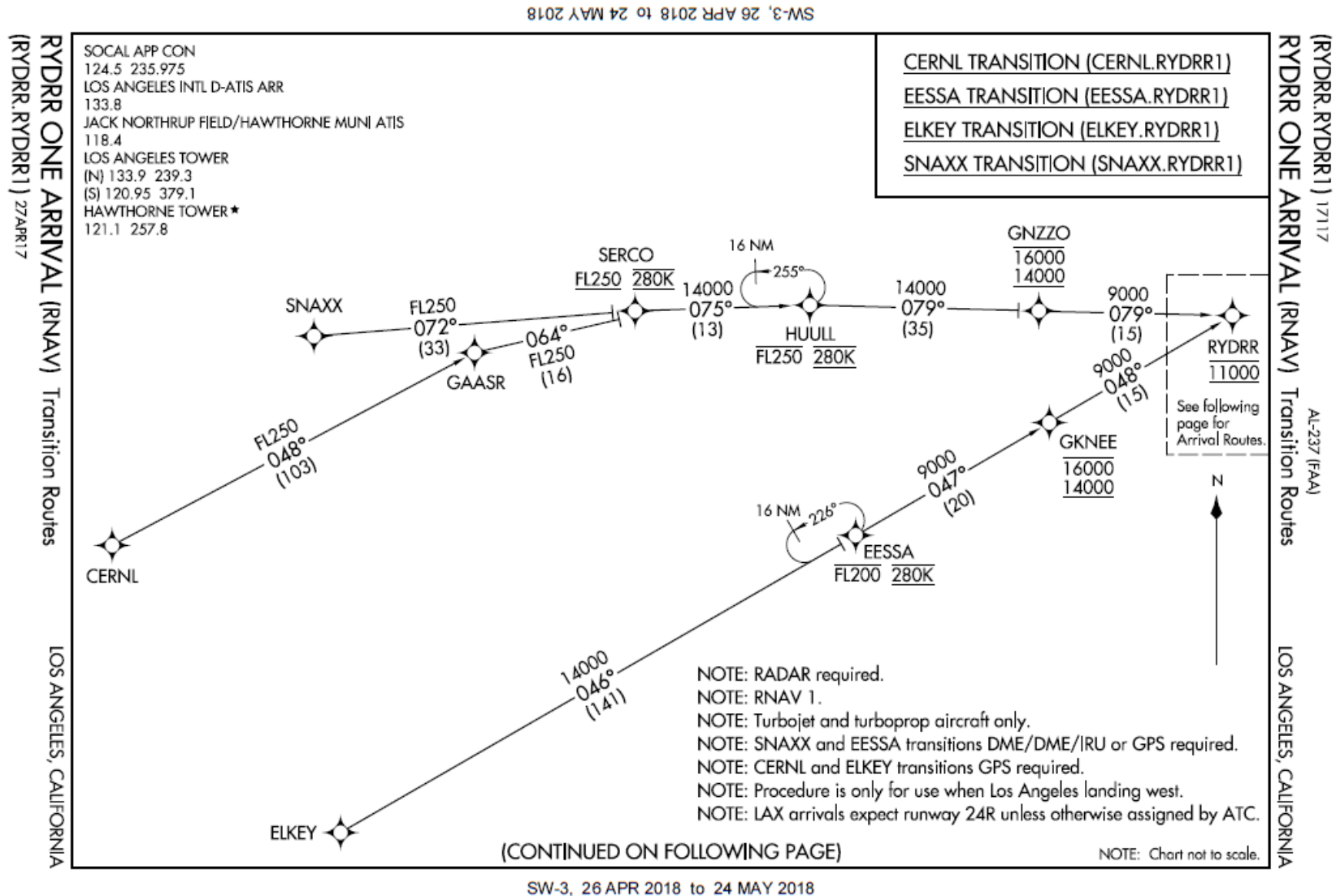
	Procedure track	AOA	At or Above	ft AGL	feet above ground level
	Waypoint location	AOB	At or Below	K	Knots, airspeed indicated
<div style="border: 1px solid black; padding: 2px; display: inline-block;"> NAME <u>11000</u> </div>	Waypoint name and altitude restrictions	FL	Flight Level	MEA	Minimum en route altitude
		ft MSL	feet mean sea level		

² Changed altitudes are illustrated using **blue font**. Altitudes that did not change from the previous design are illustrated using **black font**. A line underneath a specified altitude indicates that aircraft will be at or above that altitude (minimum altitude). A line above a listed altitude indicates that aircraft will be at or below that altitude (maximum altitude).

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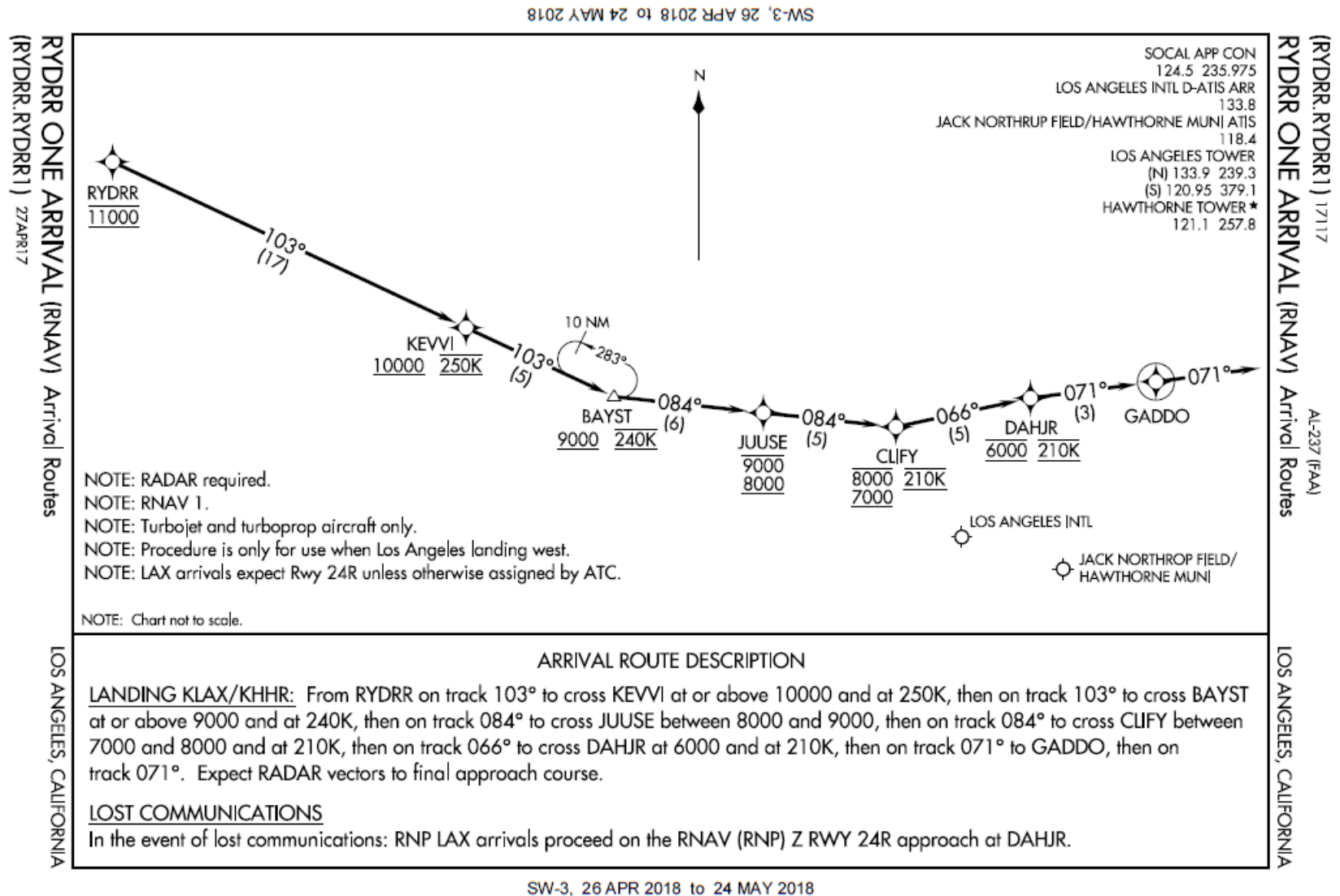
Appendix B - Figures

Figure 9. RYDRR ONE ARRIVAL (RNAV) Procedure Plate



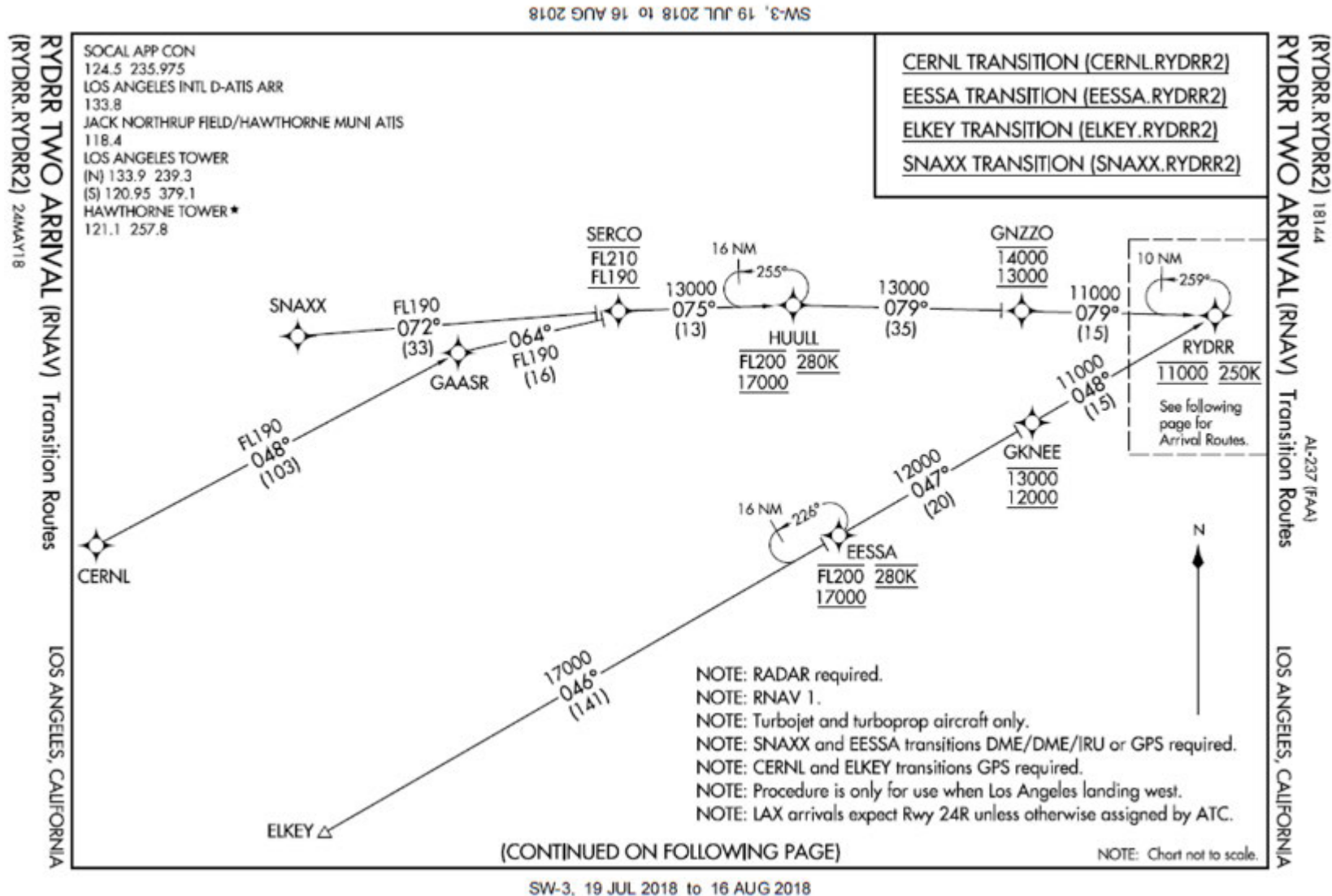
Appendix B - Figures

Figure 9 Continued. RYDRR ONE ARRIVAL (RNAV) Procedure Plate



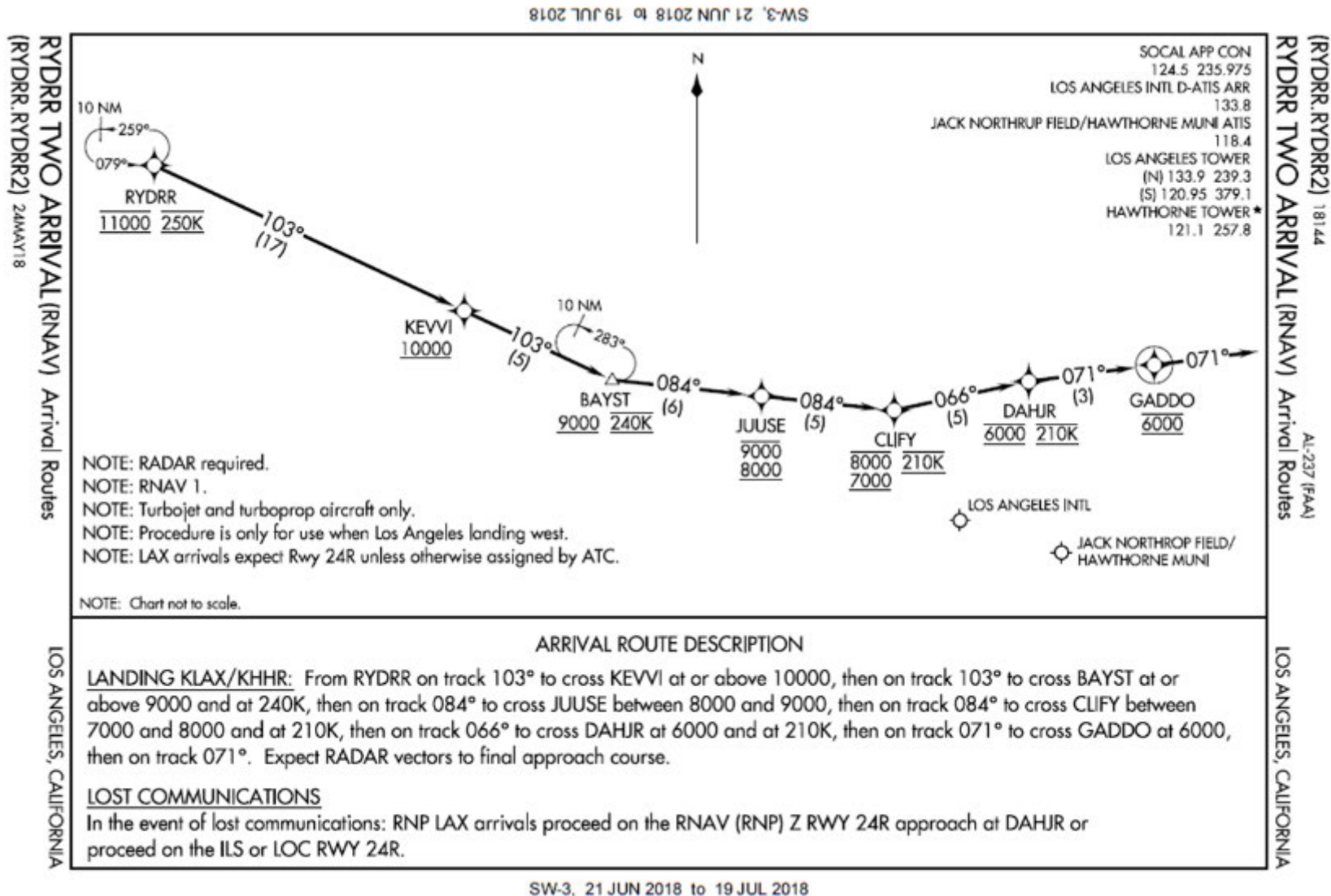
Appendix B - Figures

Figure 10. RYDRR TWO ARRIVAL (RNAV) Procedure Plate



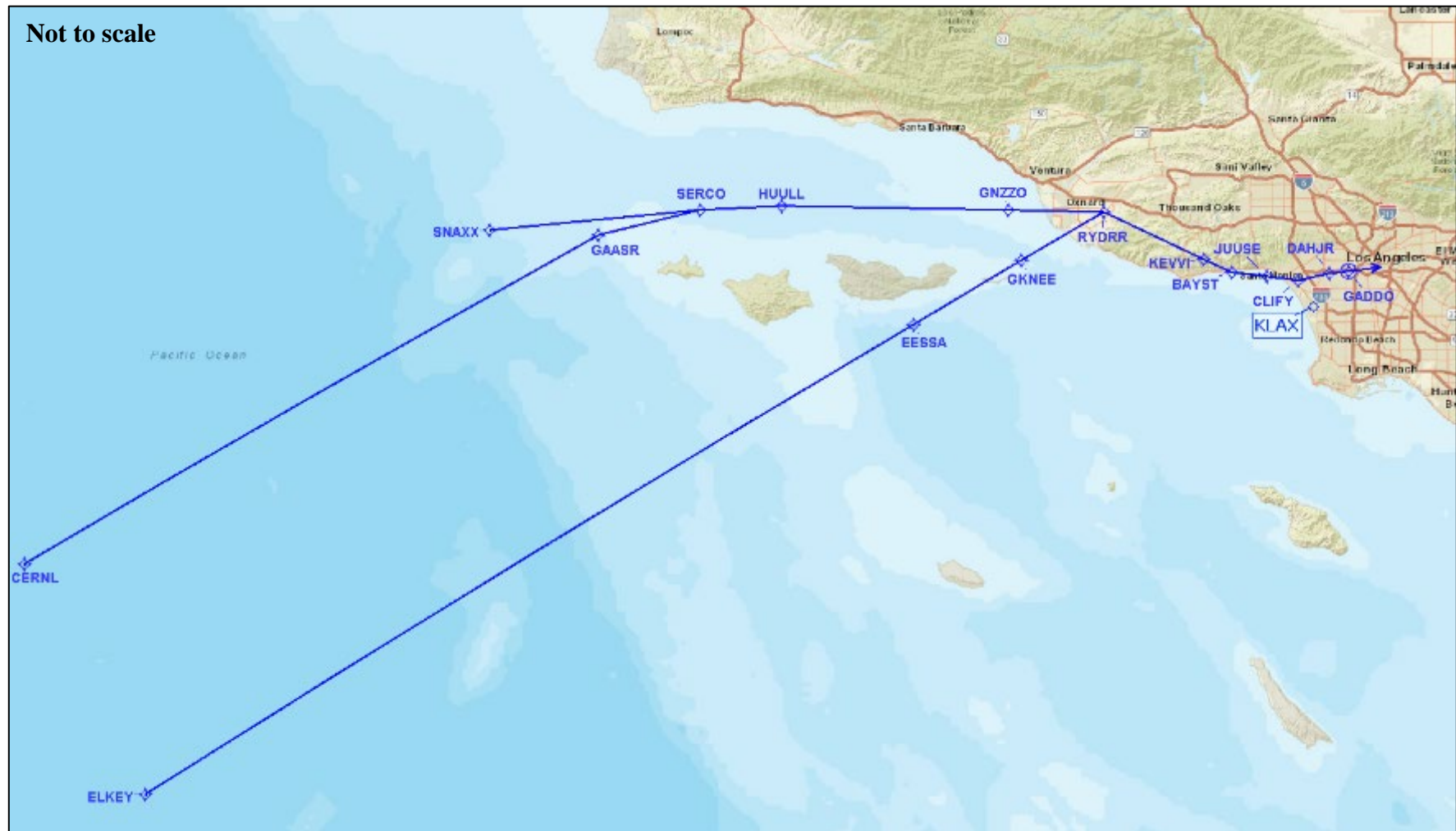
Appendix B - Figures

Figure 10. (Continued) RYDRR TWO ARRIVAL (RNAV) Procedure Plate



Appendix B - Figures

Figure 11. RYDRR TWO ARRIVAL (RNAV) on a Street Map

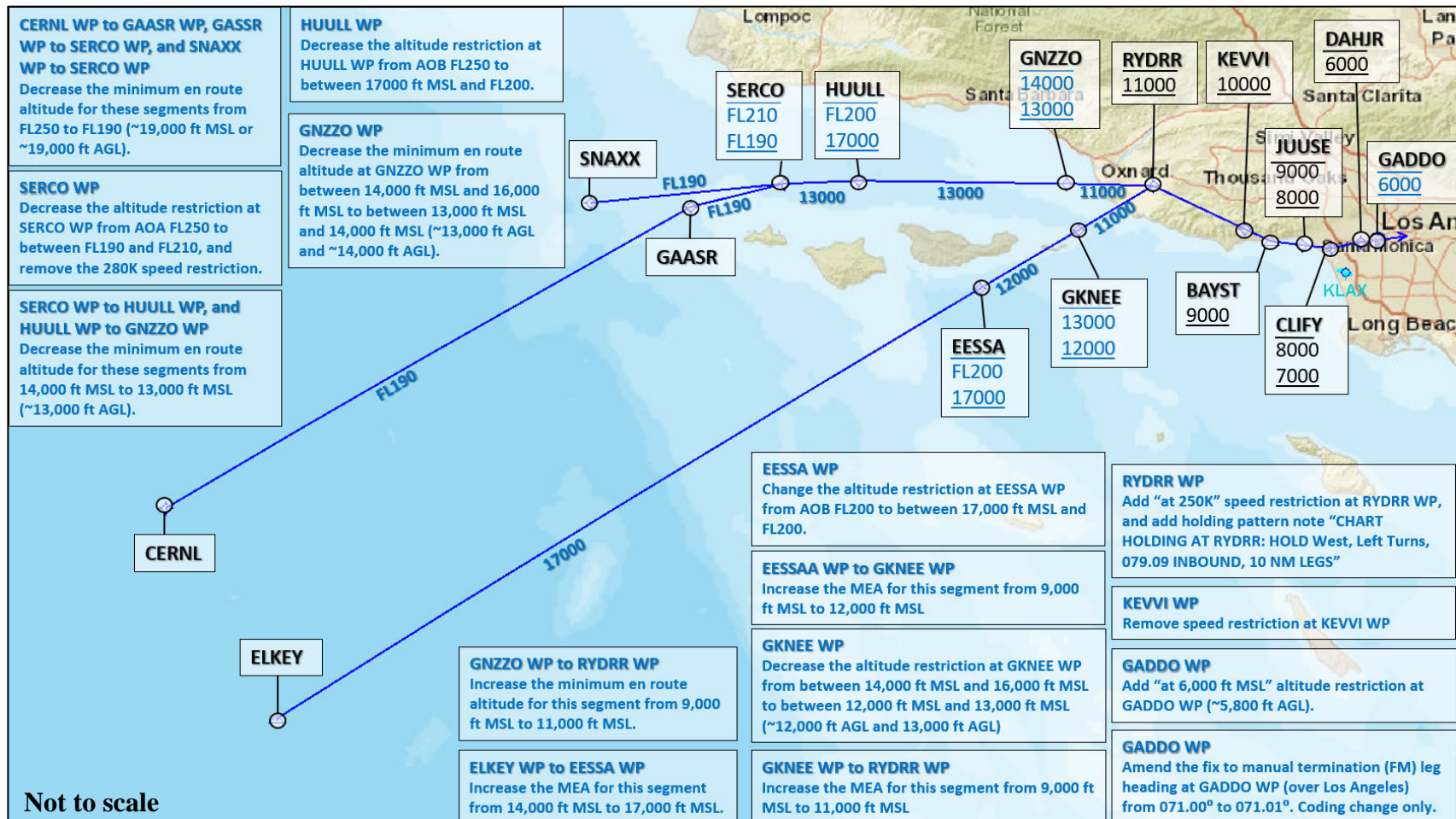


Legend

- Procedure and waypoints

Appendix B - Figures

Figure 12. Changes from RYDRR ONE to RYDRR TWO ARRIVAL (RNAV) on a Street Map



Legend³

— Procedure track
 ○ Waypoint location
 NAME
 11000
 Waypoint name and altitude restrictions

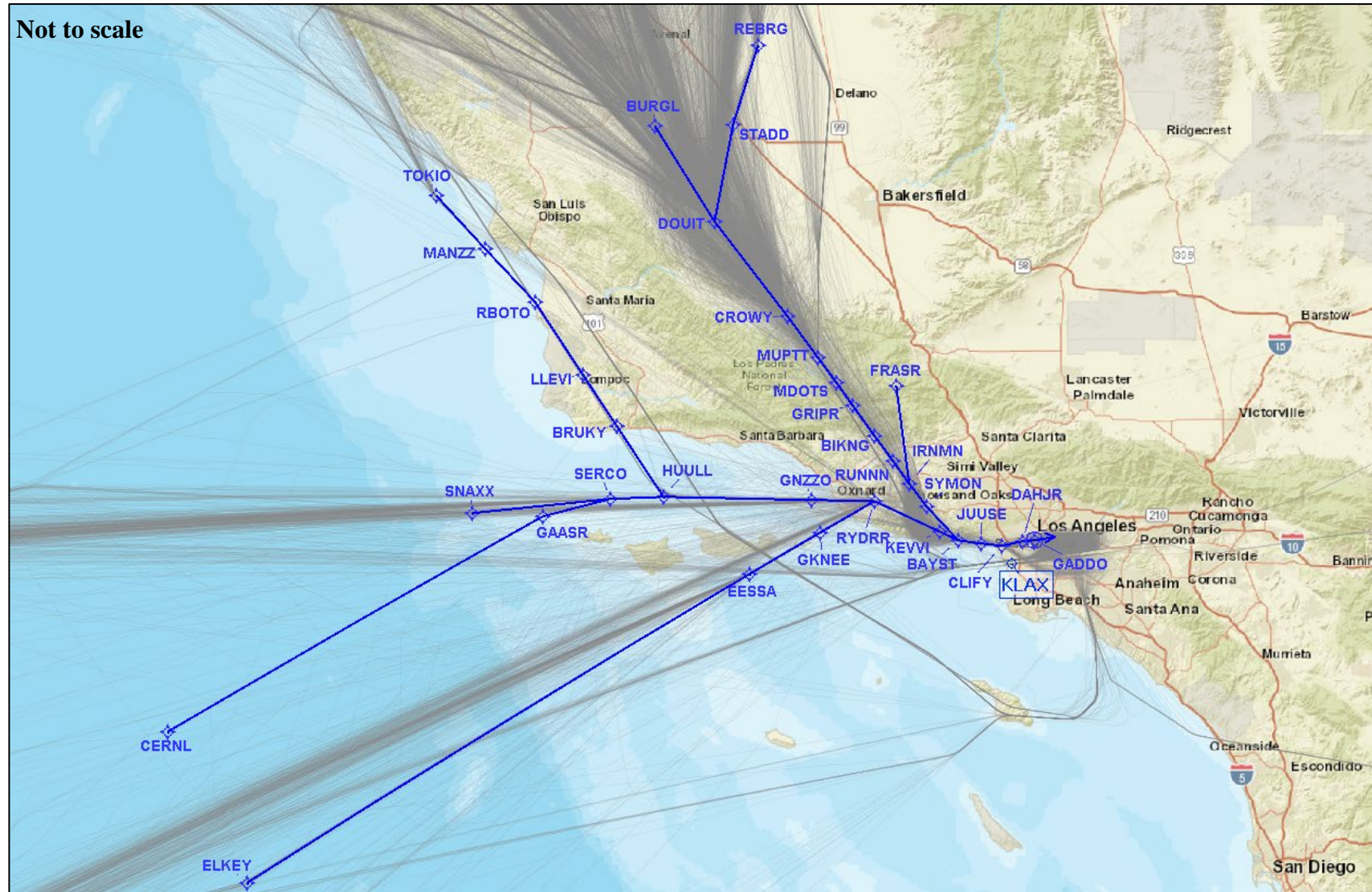
AOA At or Above
 AOB At or Below
 FL Flight Level
 ft MSL feet mean sea level

ft AGL feet above ground level
 K Knots, airspeed indicated
 MEA Minimum en route altitude

³ Changed altitudes are illustrated using **blue font**. Altitudes that did not change from the previous design are illustrated using **black font**. A line underneath a specified altitude indicates that aircraft will be at or above that altitude (minimum altitude). A line above a listed altitude indicates that aircraft will be at or below that altitude (maximum altitude).

Appendix B - Figures

Figure 13. Procedures with Overlay of 30 Random Days of Flight Tracks on a Street Map

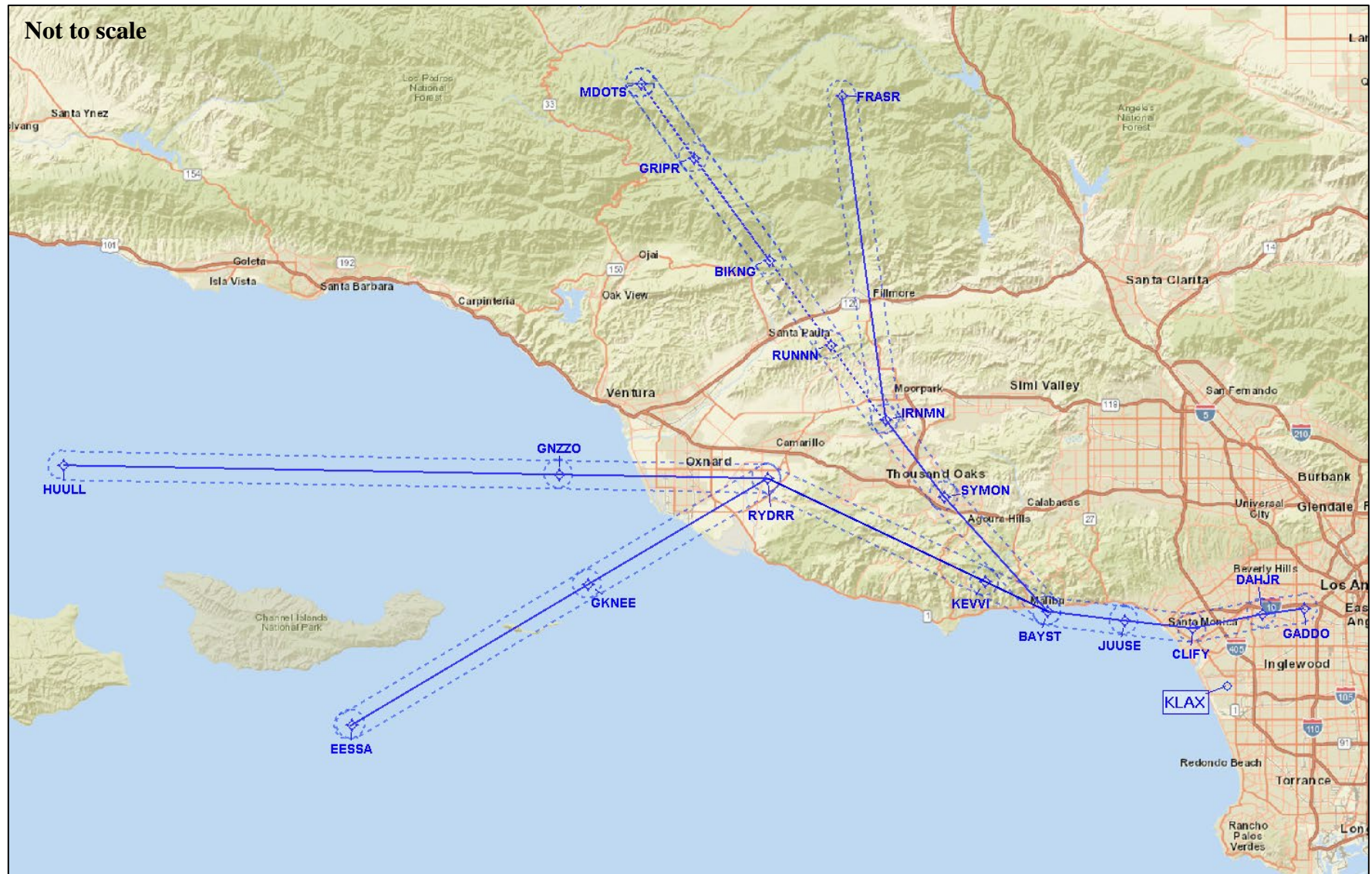


Legend

- Procedures and waypoints
- Flight tracks

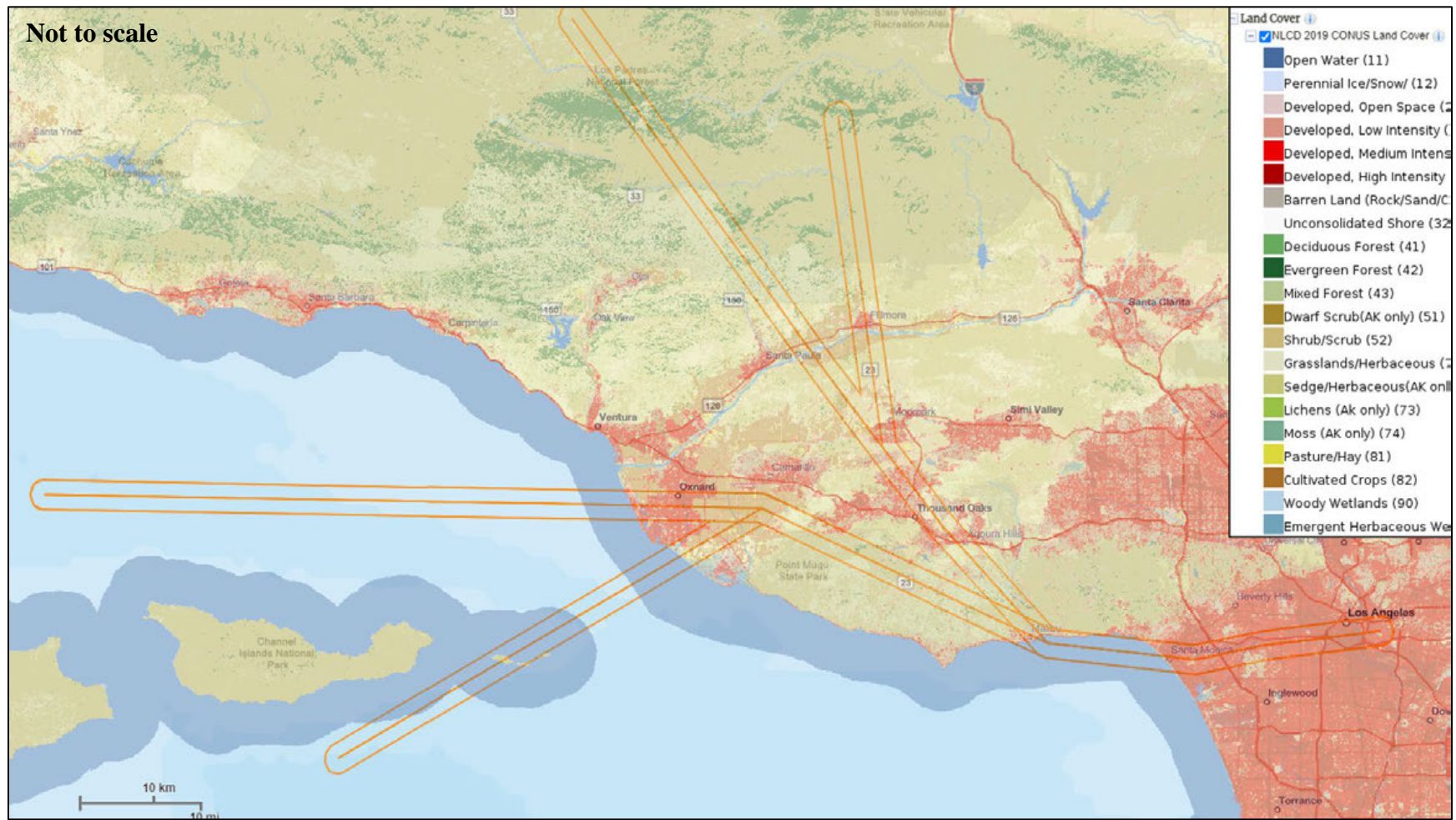
Appendix B - Figures

Figure 14. Study Area on a Street Map



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Figure 15. Land Cover in the Study Area

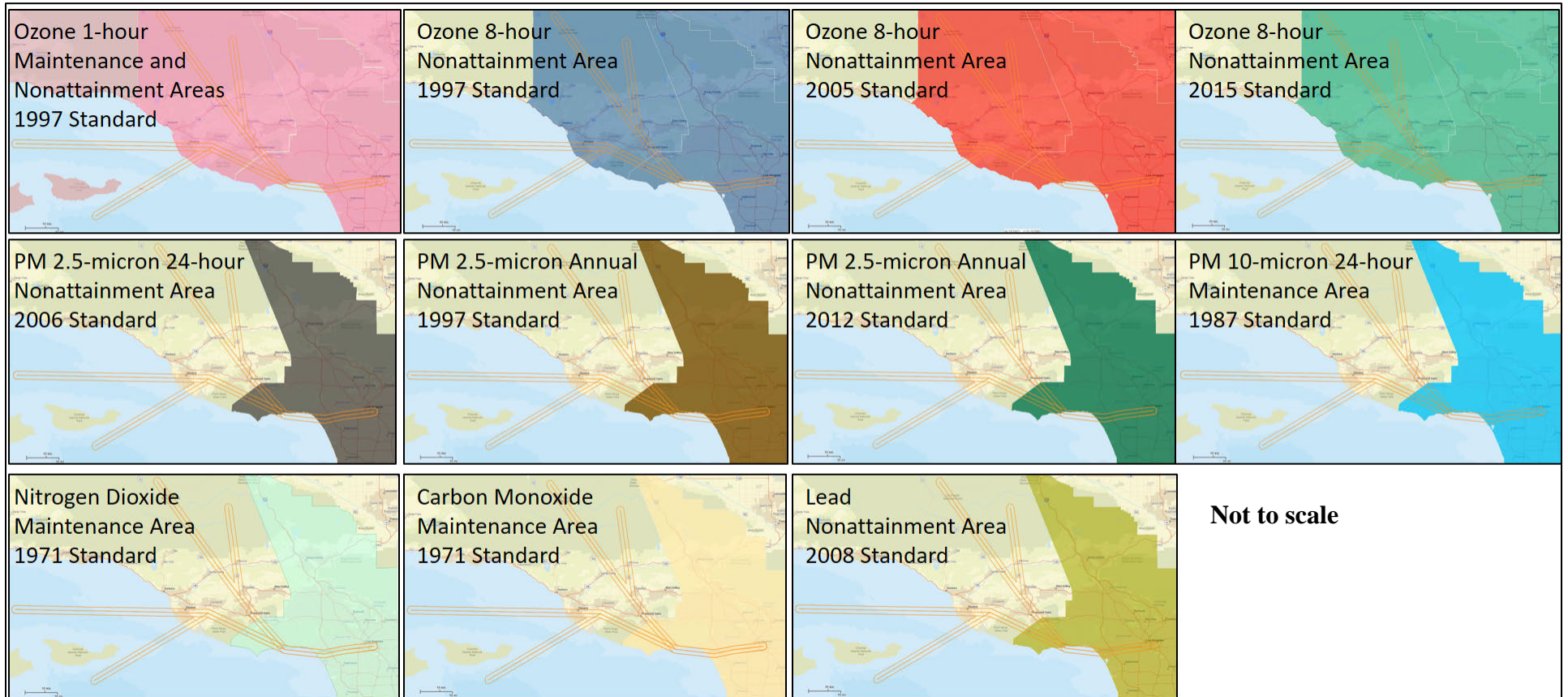


Legend

Procedures and waypoints with 1 NM buffer

Appendix B - Figures

Figure 16. Air Quality Nonattainment Areas and Maintenance Areas in the Study Area

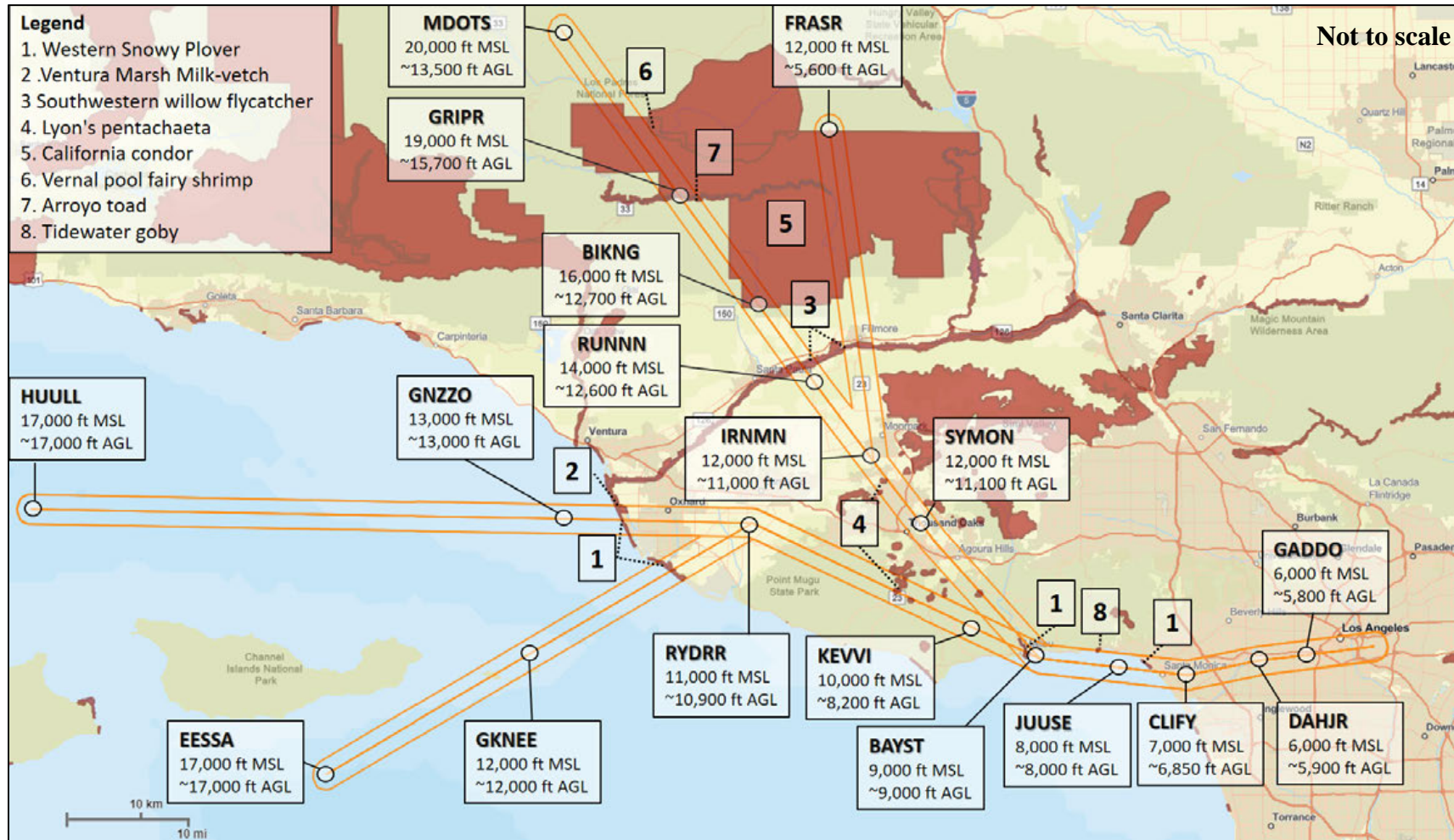


Legend

 Procedures and waypoints with 1 NM buffer

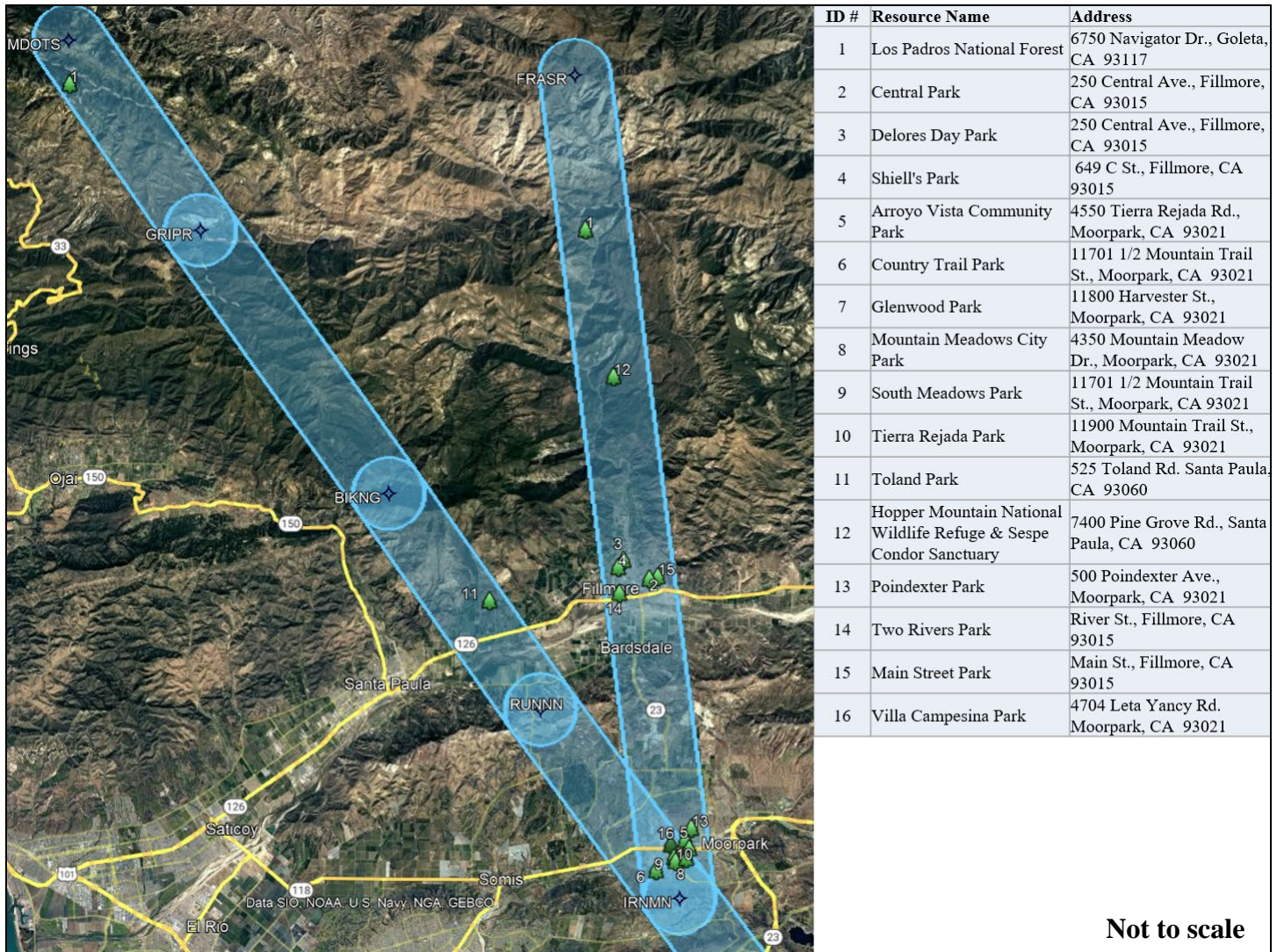
Appendix B - Figures

Figure 17. Critical Habitats in the Study Area



Appendix B - Figures

Figure 18. Section 4(f) Resources in the Study Area Segment from MDOTS / FRASR to IRNMN on a Google Earth Street Map



Legend

Procedures and waypoints with 1-NM buffer

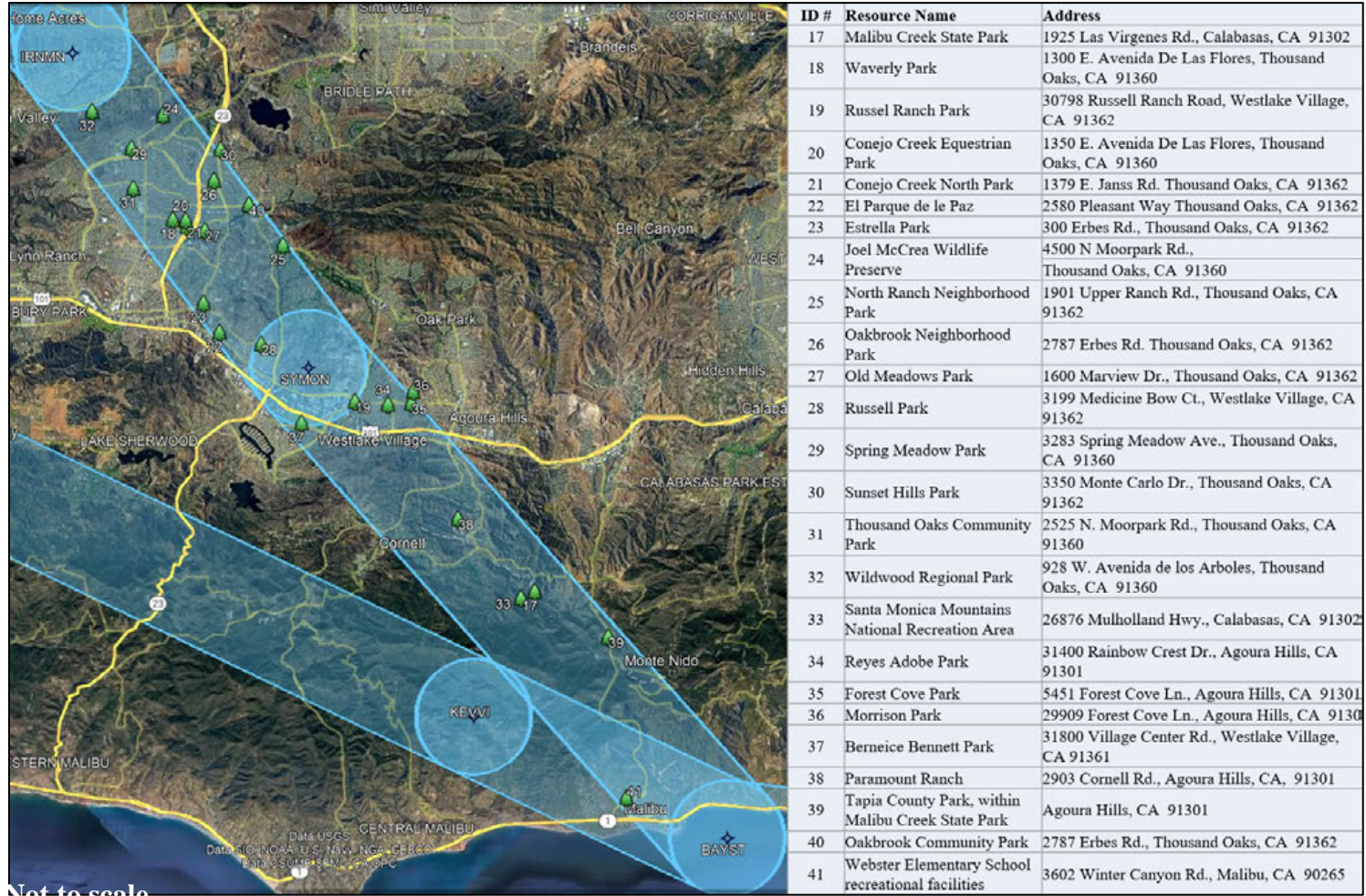
◆ Waypoint location

▲ Section 4(f) Resource and ID #

Note: Refer to Table 4 of Appendix A for more information on the referenced resources.

Appendix B - Figures

Figure 19. Section 4(f) Resources in the Study Area Segment from IRNMN to BAYST on a Google Earth Street Map



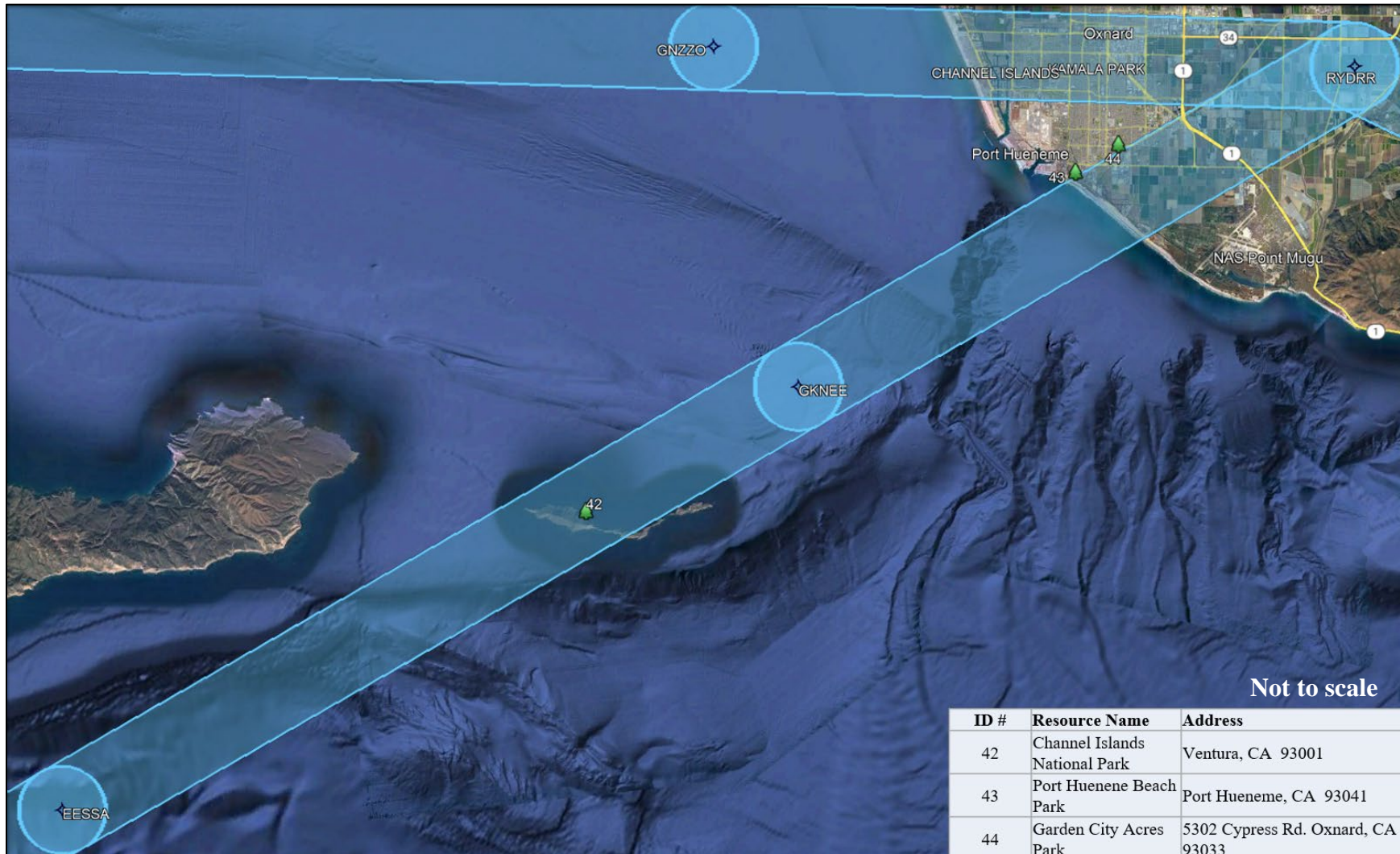
Legend

- Procedures and waypoints with 1-NM buffer
- Waypoint location
- Section 4(f) Resource and ID #

Note: Refer to Table 4 of Appendix A for more information on the referenced resources.

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Figure 20. Section 4(f) Resources in the Study Area Segment from EESSA to RYDRR on a Google Earth Street Map



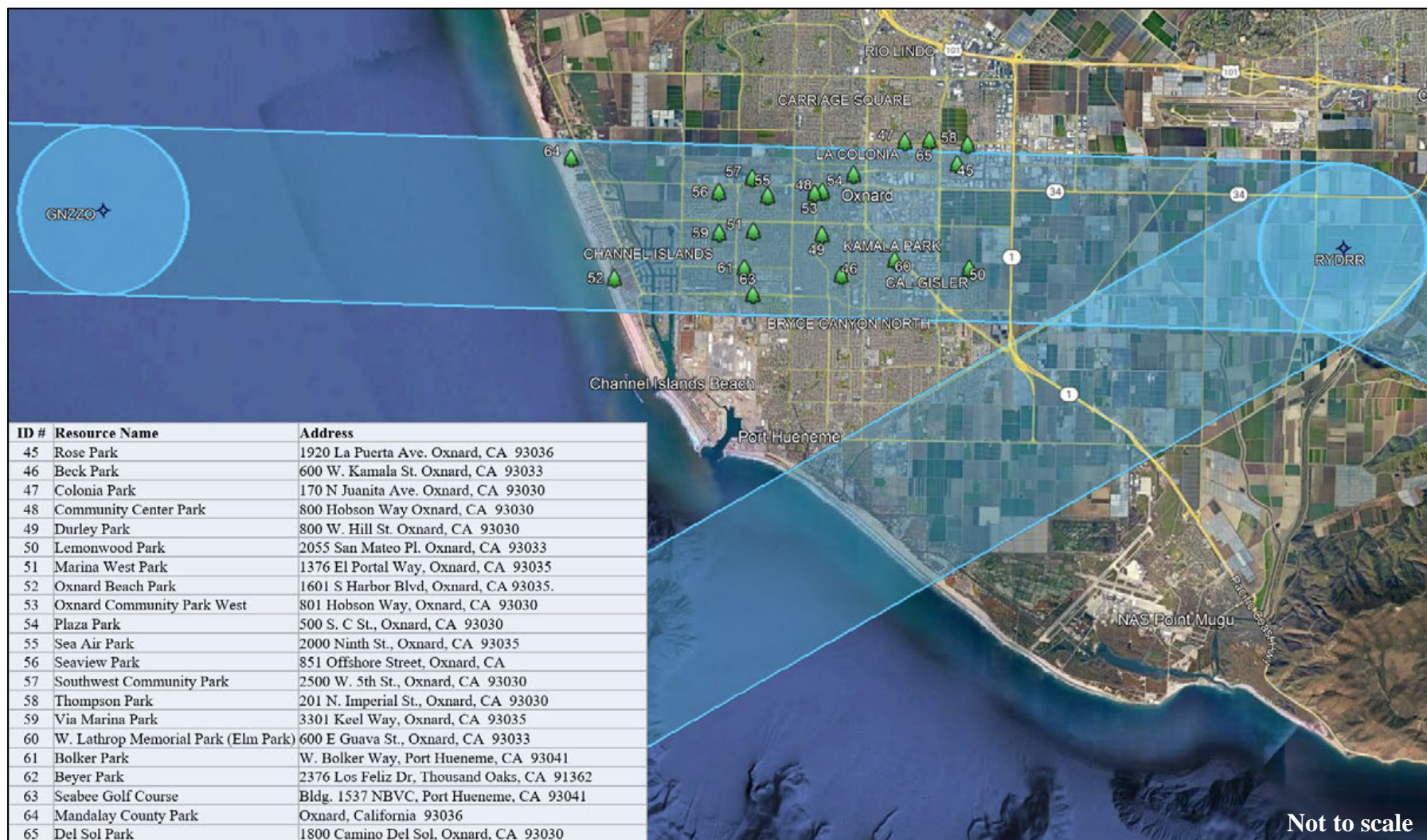
Legend

- Procedures and waypoints with 1-NM buffer
- ◆ Waypoint location
- ▲ Section 4(f) Resource and ID #

Note: Refer to Table 4 of Appendix A for more information on the referenced resources.

Appendix B - Figures

Figure 21. Section 4(f) Resources in the Study Area Segment from GNZZO to RYDRR on a Google Earth Street Map



Not to scale

Legend

Procedures and waypoints with 1-NM buffer

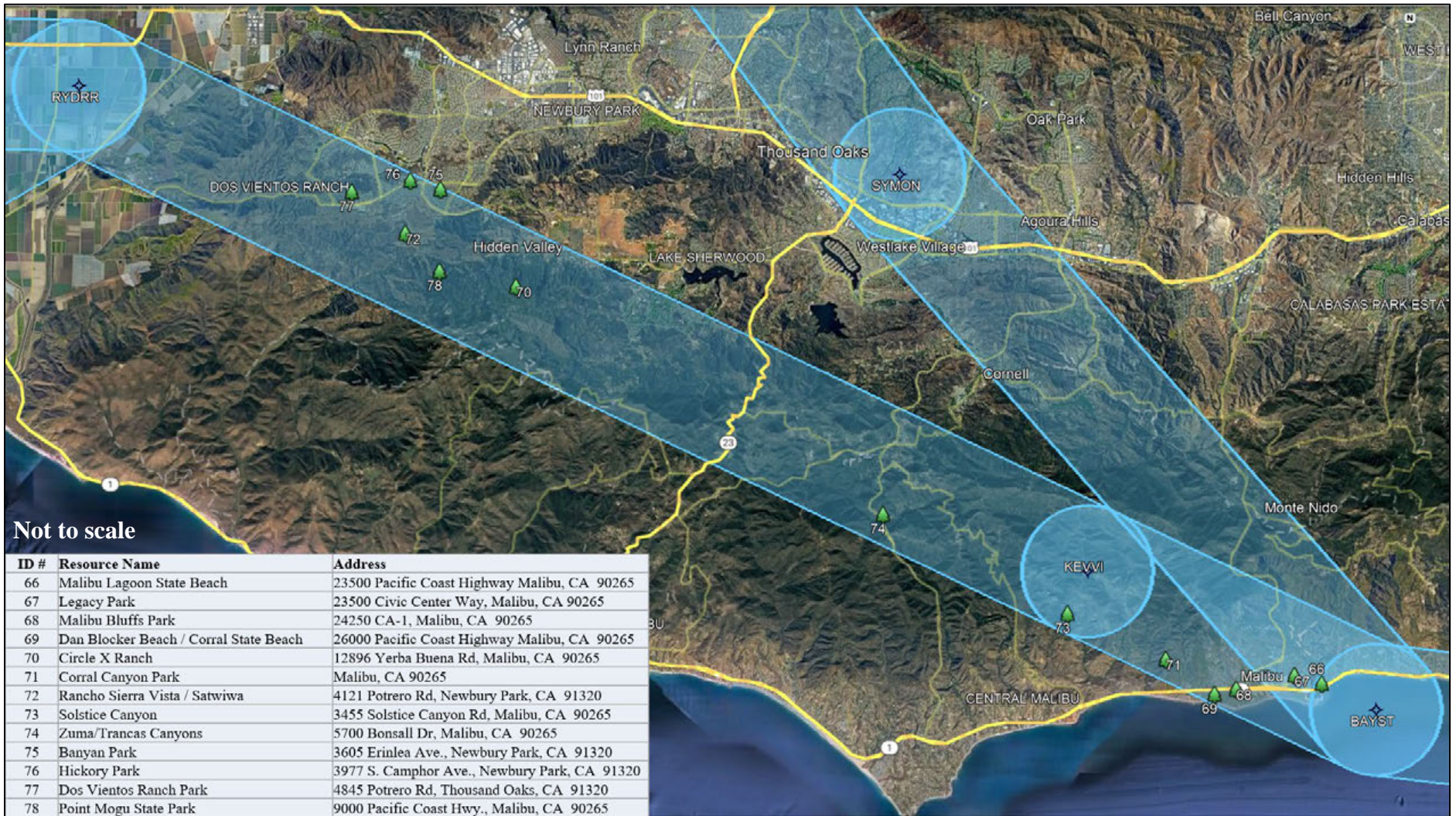
Waypoint location

Section 4(f) Resource and ID #

Note: Refer to Table 4 of Appendix A for more information on the referenced resources.

Appendix B - Figures

Figure 22. Section 4(f) Resources in the Study Area Segment from RYDRR to BAYST on a Google Earth Street Map



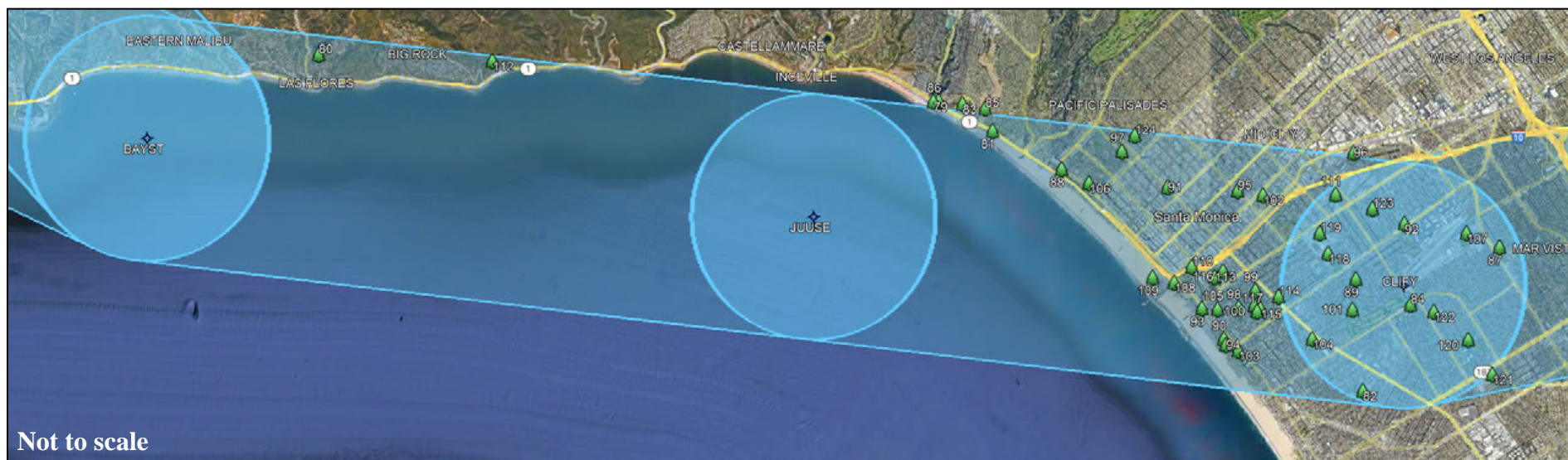
Legend

- Procedures and waypoints with 1-NM buffer
- Waypoint location
- Section 4(f) Resource and ID #

Note: Refer to Table 4 of Appendix A for more information on the referenced resources.

Appendix B - Figures

Figure 23. Section 4(f) Resources in the Study Area Segment from BAYST to CLIFY on a Google Earth Street Map



Not to scale

ID #	Resource Name	Address	ID #	Resource Name	Address
79	Asilomar State Beach Park	15900 Asilomar Blvd., Pacific Palisades, CA 90272	102	Memorial Park	1401 Olympic Blvd., Santa Monica, CA 90404
80	Topanga State Park	20828 Entrada Rd., Topanga, CA 90290	103	Ocean View Park	2701 Barnard Way, Santa Monica, CA 90405
81	Will Rogers Beach State Park	17000 Pacific Coast Hwy., Pacific Palisades, CA 90272	104	Ozone Park	727 Ozone St., Santa Monica, CA 90405
82	Oakwood Community Center	767 California Ave., Venice, CA 90291	105	Pacific Street Dog Park	Pacific & Main St., Santa Monica, CA 90405
83	Palisades Recreation Center	851 Alma Real Dr., Pacific Palisades, CA 90272	106	Palisades Park and Palisades Park Rose Garden	Ocean Ave., Santa Monica, CA 90401
84	Penmar Recreation Center	1341 Lake St., Venice, CA 90291	107	Santa Monica Airport Park	3201 Airport Ave., Santa Monica, CA 90405
85	Potero Canyon Park	Pacific Palisades, CA 90272	108	Santa Monica International Chess Park	1652 Ocean Front Walk, Santa Monica, CA 90401
86	Temescal Canyon Park	15900 Pacific Coast Hwy., Pacific Palisades, CA 90272	109	Santa Monica State Beach Park	Colorado Ave., Santa Monica, CA 90405
87	Venice Reservoir Site	3324 S. Centinela Ave., Los Angeles CA	110	Santa Monica Community & Cultural Services Department	2600 Ocean Park Blvd, Santa Monica, CA 90405
88	Annenberg Community Beach House	415 Pacific Coast Hwy., Santa Monica, CA 90402	111	Virginia Avenue Park	2200 Virginia Ave., Santa Monica, CA 90404
89	Ashland Park	1650 Ashland Ave., Santa Monica, CA 90405	112	Tuna Canyon Park	2807 Tuna Canyon Rd. Topanga Canyon, CA 90290
90	Barnard Way Linear Park	2440 Barnard Way, Santa Monica, CA 90405	113	Historic Belmar Park	Santa Monica, CA 90401
91	Christine Emerson Reed Park	1133 7th St., Santa Monica, CA 90403	114	Olympic High School recreational facilities	721 Ocean Park Blvd, Santa Monica, CA 90405
92	Clover Park	2600 Ocean Park Blvd., Santa Monica, CA 90405	115	John Muir Elementary School recreational facilities	2526 6th St, Santa Monica, CA 90405
93	Crescent Bay Park	2000 Ocean Ave., Santa Monica, CA 90405	116	Santa Monica High School recreational facilities	601 Pico Blvd, Santa Monica, CA 90405
94	Dorothy Green Park	2600 Barnard Way, Santa Monica, CA 90405	117	Santa Monica Alternative School House recreational facilities	2525 5th St, Santa Monica, CA 90405
95	Euclid Park	1525 Euclid St., Santa Monica, CA 90404	118	John Adams Middle School recreational facilities	2425 16th St, Santa Monica, CA 90405
96	Gandara Park (Stewart Street Park)	1819 Stewart St., Santa Monica, CA 90404	119	Santa Monica Community College recreational facilities	1900 Pico Blvd, Santa Monica, CA 90405
97	Goose Egg Park	600 Palisades Ave., Santa Monica, CA 90402	120	Mark Twain Middle School recreational facilities	2224 Walgrove Ave., Los Angeles, CA 90066
98	Hotchkiss Park	3rd St., Santa Monica, CA 90405	121	Venice High School recreational facilities	13000 Venice Blvd., Los Angeles, CA 90066
99	Joselyn Park	633 Kensington Rd., Santa Monica, CA 90405	122	Walgrove Avenue Elementary School recreational facilities	1630 Walgrove Ave., Los Angeles, CA 90066
100	Los Amigos Park	500 Hollister Ave., Santa Monica, CA 90405	123	Grant Elementary School recreational facilities	2368 Pearl St., Santa Monica, CA 90405
101	Marine Park	1406 Marine St, Santa Monica, CA 90405	124	Roosevelt Elementary School recreational facilities	801 Montana Ave., Santa Monica, CA 90403

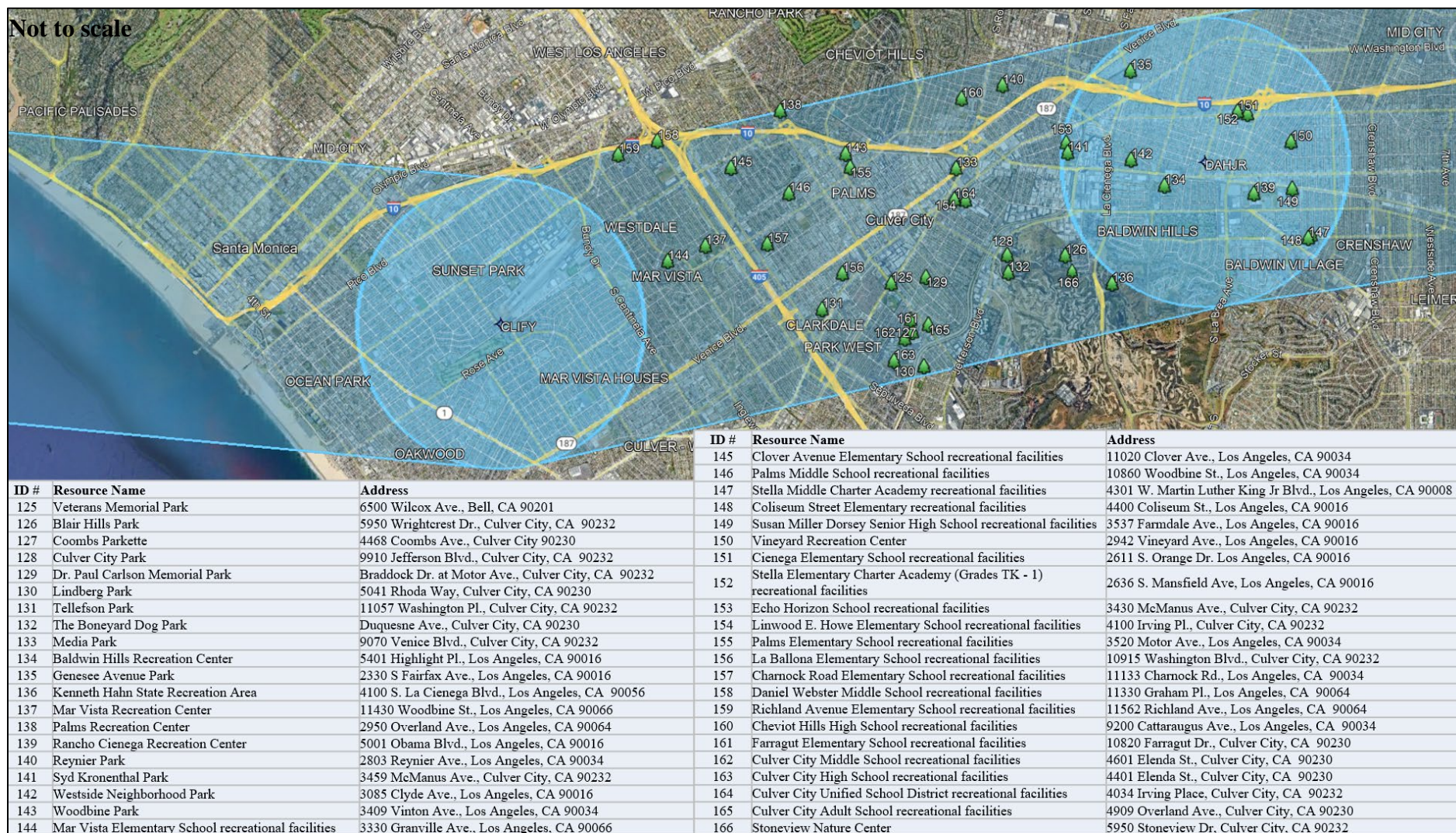
Legend

- Procedures and waypoints with 1-NM buffer
- ◆ Waypoint location
- ▲ Section 4(f) Resource and ID #

Note: Refer to Table 4 of Appendix A for more information on the referenced resources.

Appendix B - Figures

Figure 24. Section 4(f) Resources in the Study Area Segment from CLIFY to DAHJR on a Google Earth Street Map



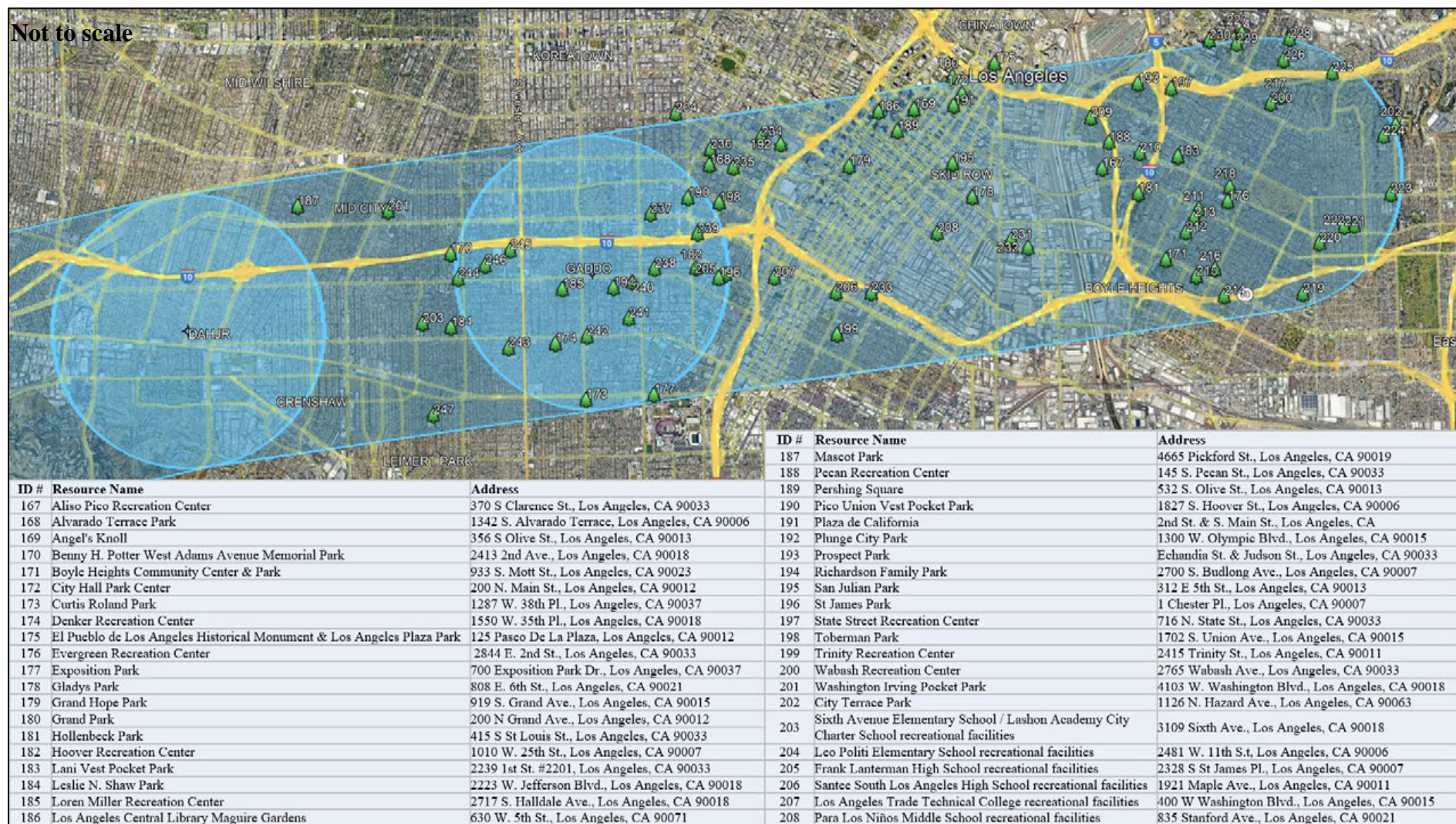
Legend

- Procedures and waypoints with 1-NM buffer
- Waypoint location
- Section 4(f) Resource and ID #

Note: Refer to Table 4 of Appendix A for more information on the referenced resources.

Appendix B - Figures

Figure 25. Section 4(f) Resources in the Study Area Segment from DAHJR to GADDO on a Google Earth Street Map



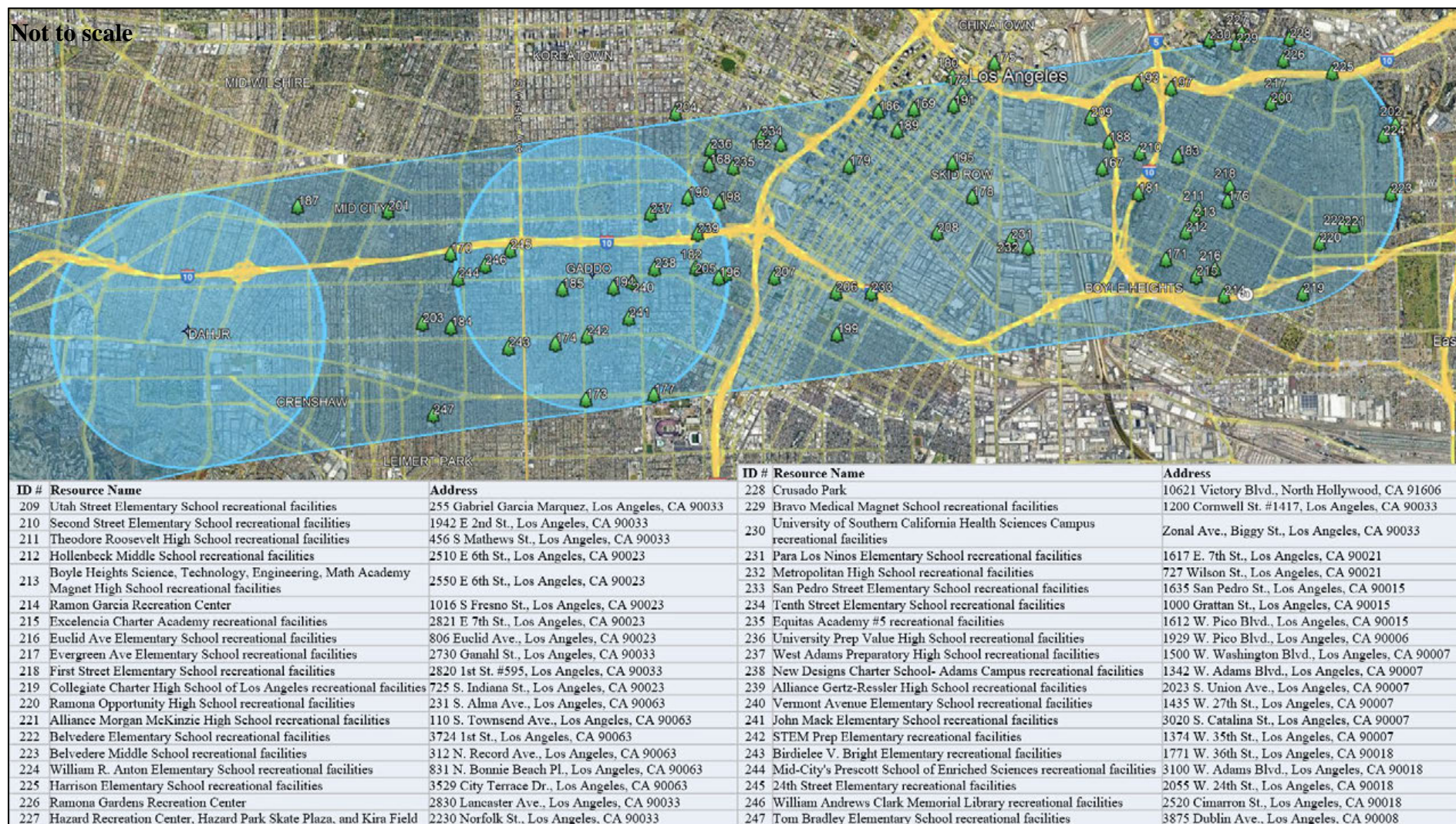
Legend

- Procedures and waypoints with 1-NM buffer
- ◆ Waypoint location
- ▲ Section 4(f) Resource and ID #

Note: Refer to Table 4 of Appendix A for more information on the referenced resources.

Appendix B - Figures

Figure 25. (Continued) Section 4(f) Resources in the Study Area Segment from DAHJR to GADDO on a Google Earth Street Map



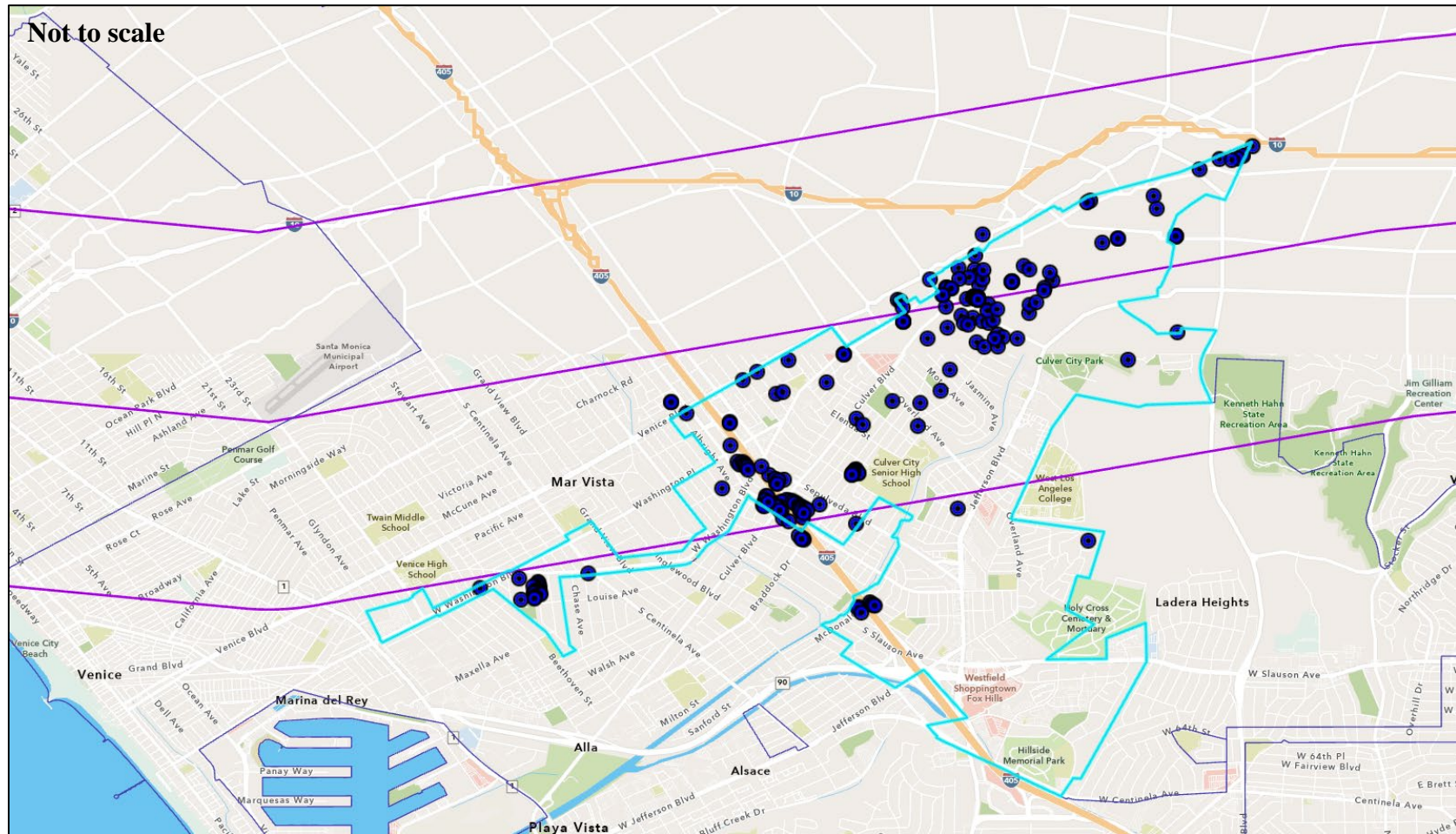
Legend

- Procedures and waypoints with 1-NM buffer
- ◆ Waypoint location
- ◆ Section 4(f) Resource and ID #

Note: Refer to Table 4 of Appendix A for more information on the referenced resources.

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Figure 26. City of Culver City Historic and Cultural Resources Relative to the Study Area



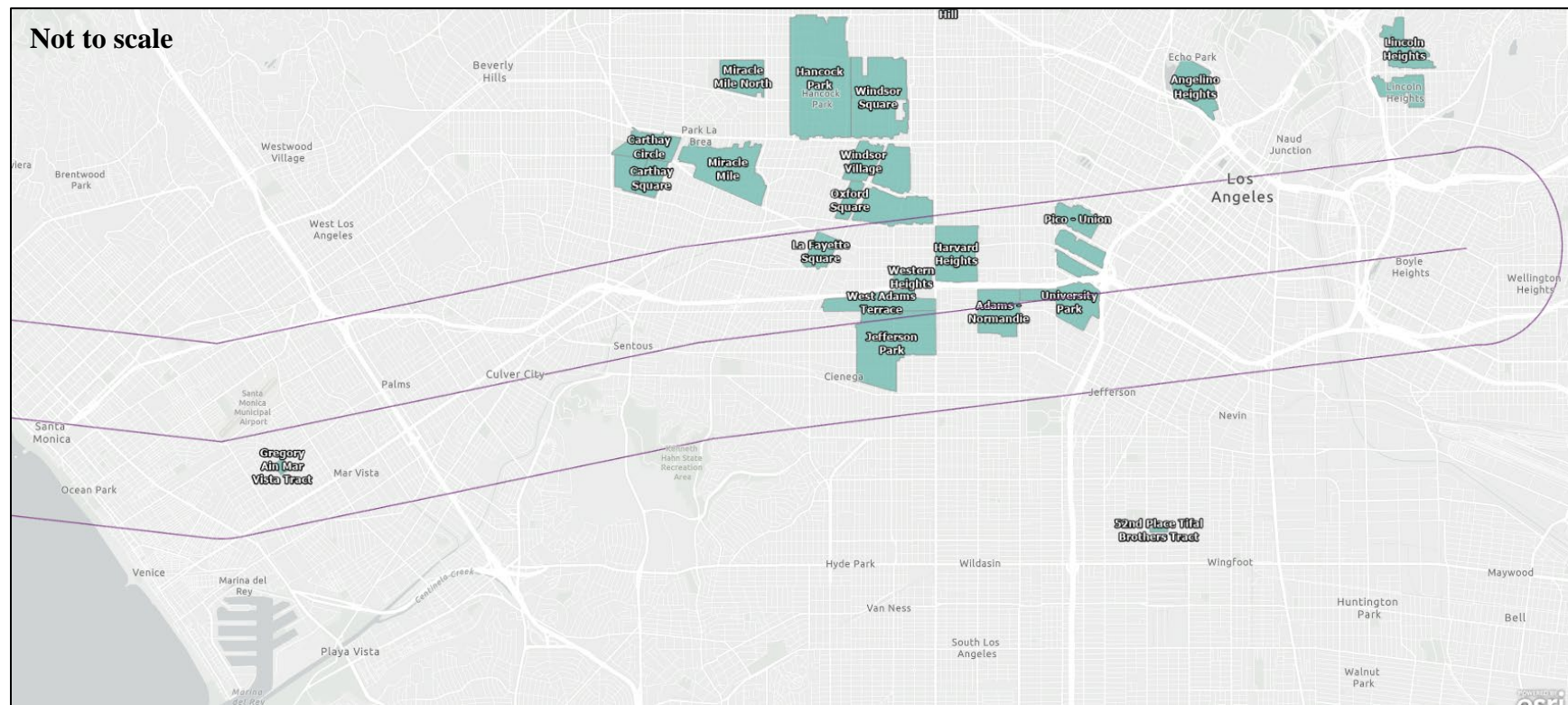
Legend

- Procedures with 1-NM buffer
- Culver City Historic and Cultural Resources, locations approximated
- City of Culver City boundary

Note: Refer to Tables 5 and 6 of Appendix A for more information on the referenced resources.

Appendix B - Figures

Figure 27. City of Los Angeles Historic Preservation Overlay Zones Relative to the Study Area

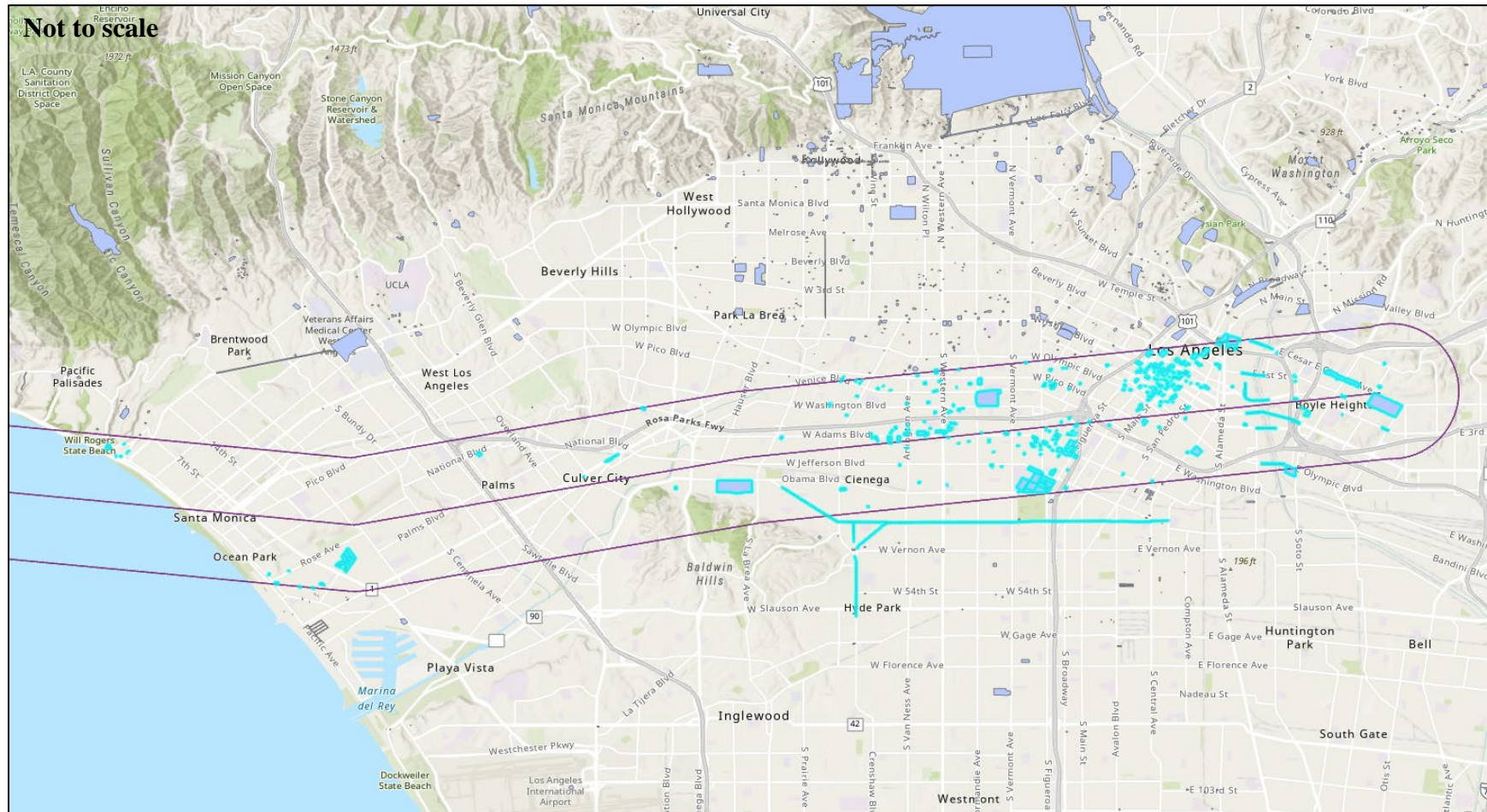


Legend

- Procedures with 1-NM buffer
- Historic Preservation Overlay Zones with labels

Appendix B - Figures

Figure 28. City of Los Angeles Historic Cultural Monuments in the Study Area



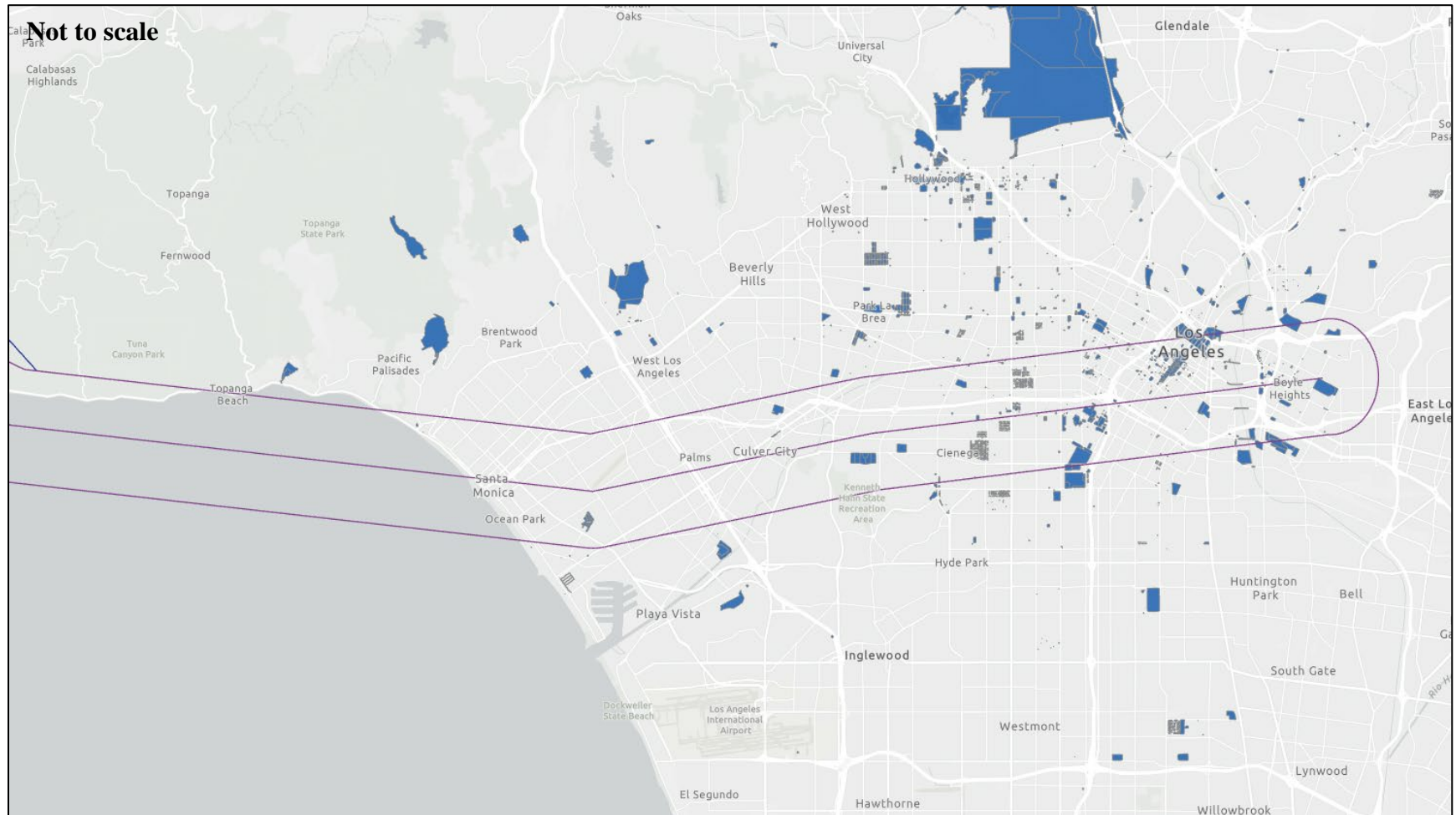
Legend

- Procedures with 1-NM buffer
- City of Los Angeles Historic Cultural Monuments within or intersecting with the Study Area
- City of Los Angeles Historic Cultural Monuments outside the Study Area

Note: Refer to Table 8 of Appendix A for more information on the referenced resources.

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Figure 29. City of Los Angeles Data Layer for State Historic Resources Relative to the Study Area



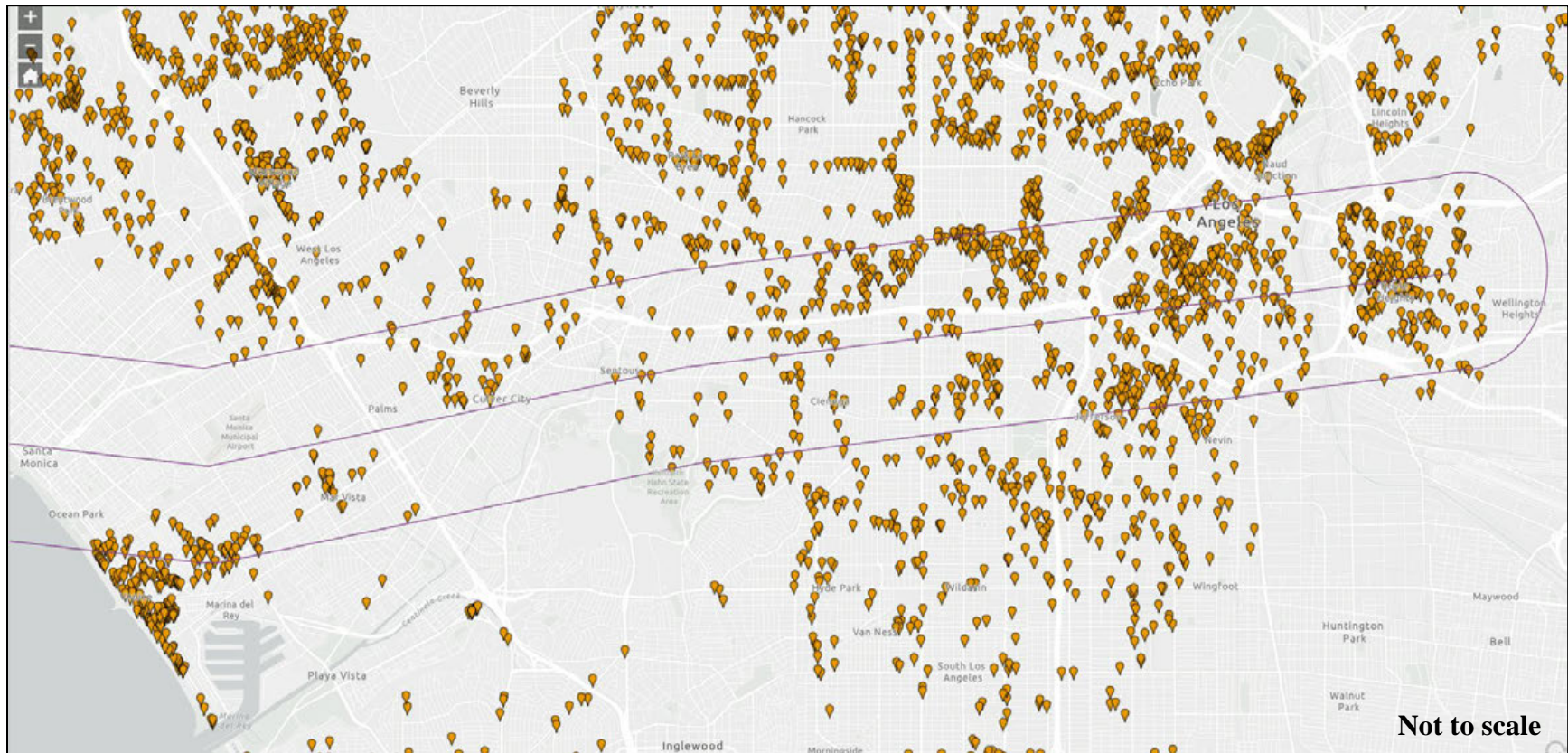
Legend

- Procedures with 1-NM buffer
- City of Los Angeles Data Layer for State Historic Resources



Note: Refer to Table 9 of Appendix A for more information on the referenced resources.

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Figure 30. City of Los Angeles SurveyLA Individual Historic Cultural Resources Relative to the Study Area

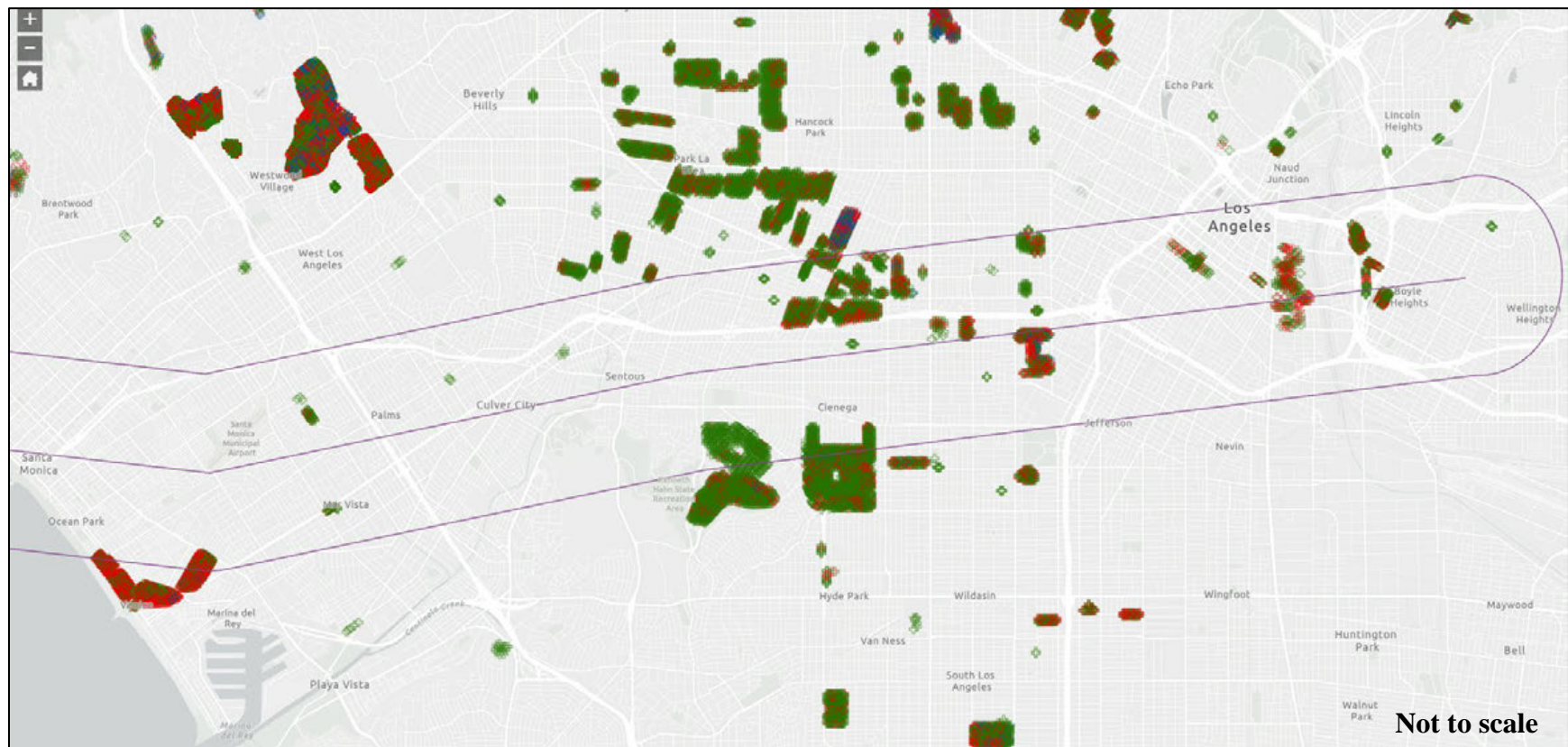


Legend

-  Procedures with 1-NM buffer
 -  City of Los Angeles SurveyLA data layer for individual historic cultural resources
- Note: Refer to Appendix D for more information on the referenced resources.*

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Figure 31. City of Los Angeles SurveyLA Historic Cultural District Contributors Relative to the Study Area



Legend

- Procedures with 1-NM buffer

Historic Cultural City of Los Angeles SurveyLA data layer for historic cultural district contributors

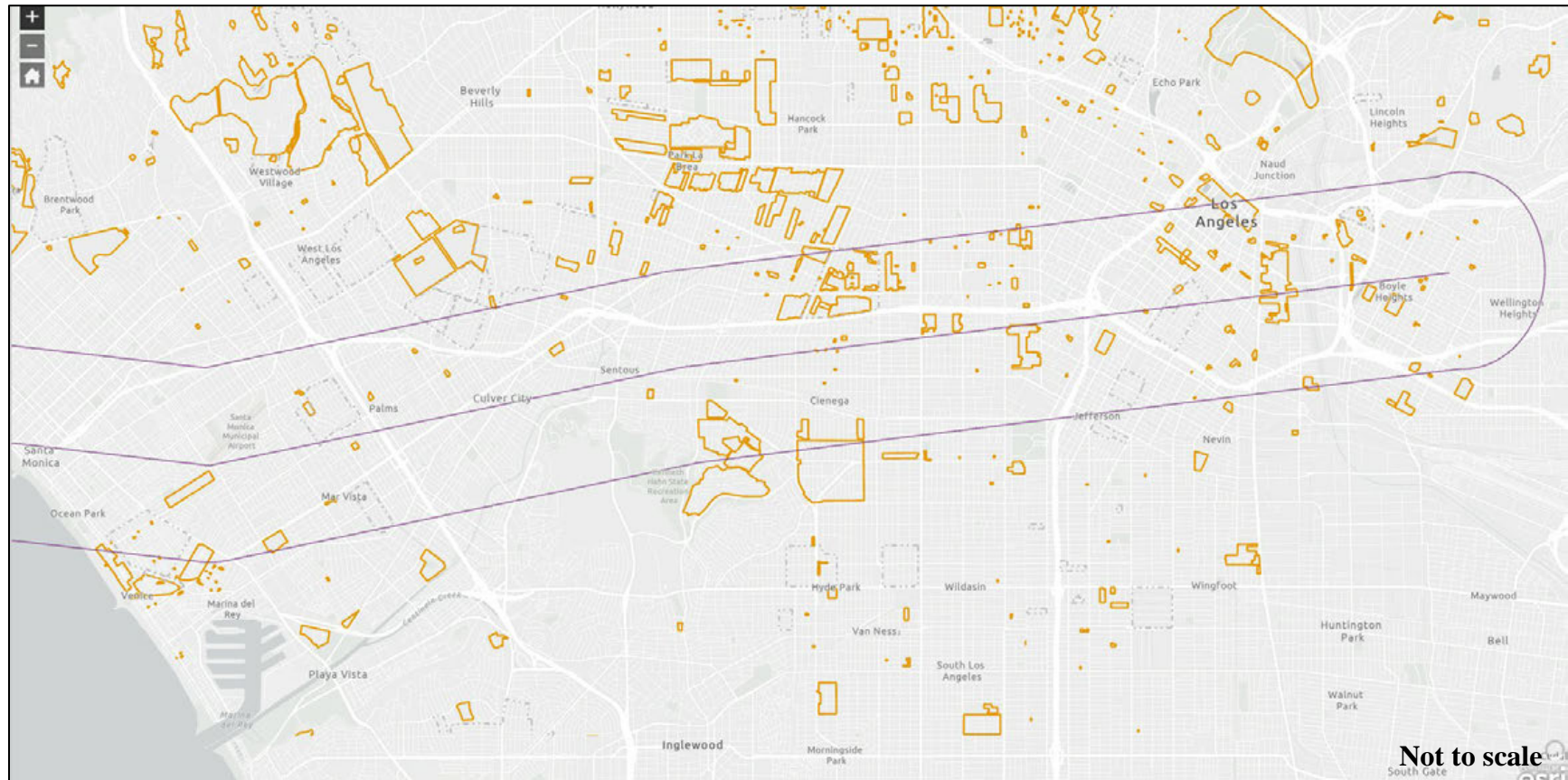
Survey LA - District Contributors

☐ M
☐ N
☐ Y



Note: Refer to Tables 10, 11, and 12 of Appendix A, and Appendix D for more information on the referenced resources.

Appendix B - Figures

Figure 32. City of Los Angeles SurveyLA Historic Cultural Districts Relative to the Study Area



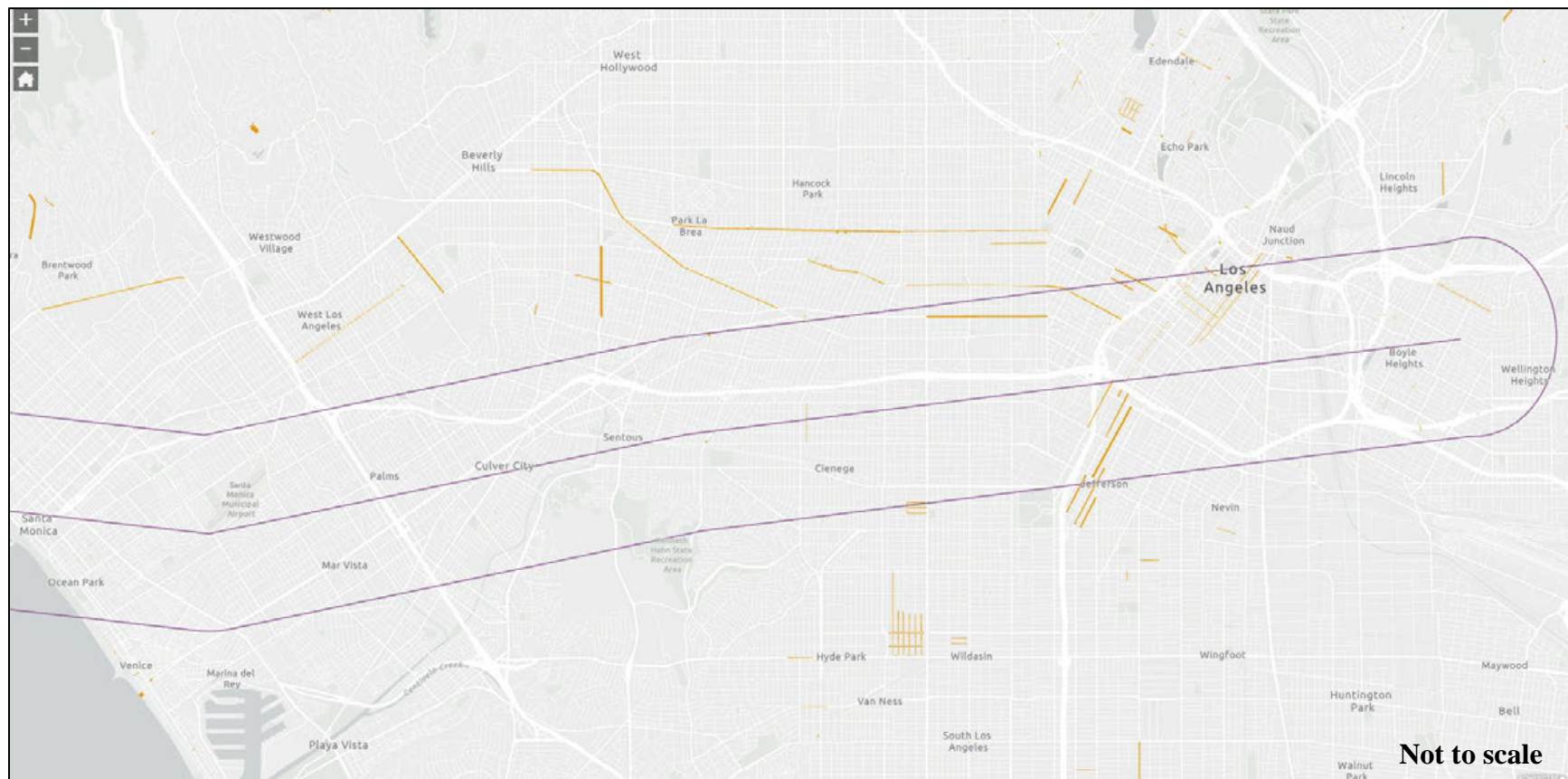
Legend

-  Procedures with 1-NM buffer
-  City of Los Angeles SurveyLA data layer for historic cultural districts



Note: Refer to Tables 10 and 11 of Appendix A for more information on the referenced resources.

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Figure 33. City of Los Angeles SurveyLA Non-parcel Historic Cultural Resources Relative to the Study Area



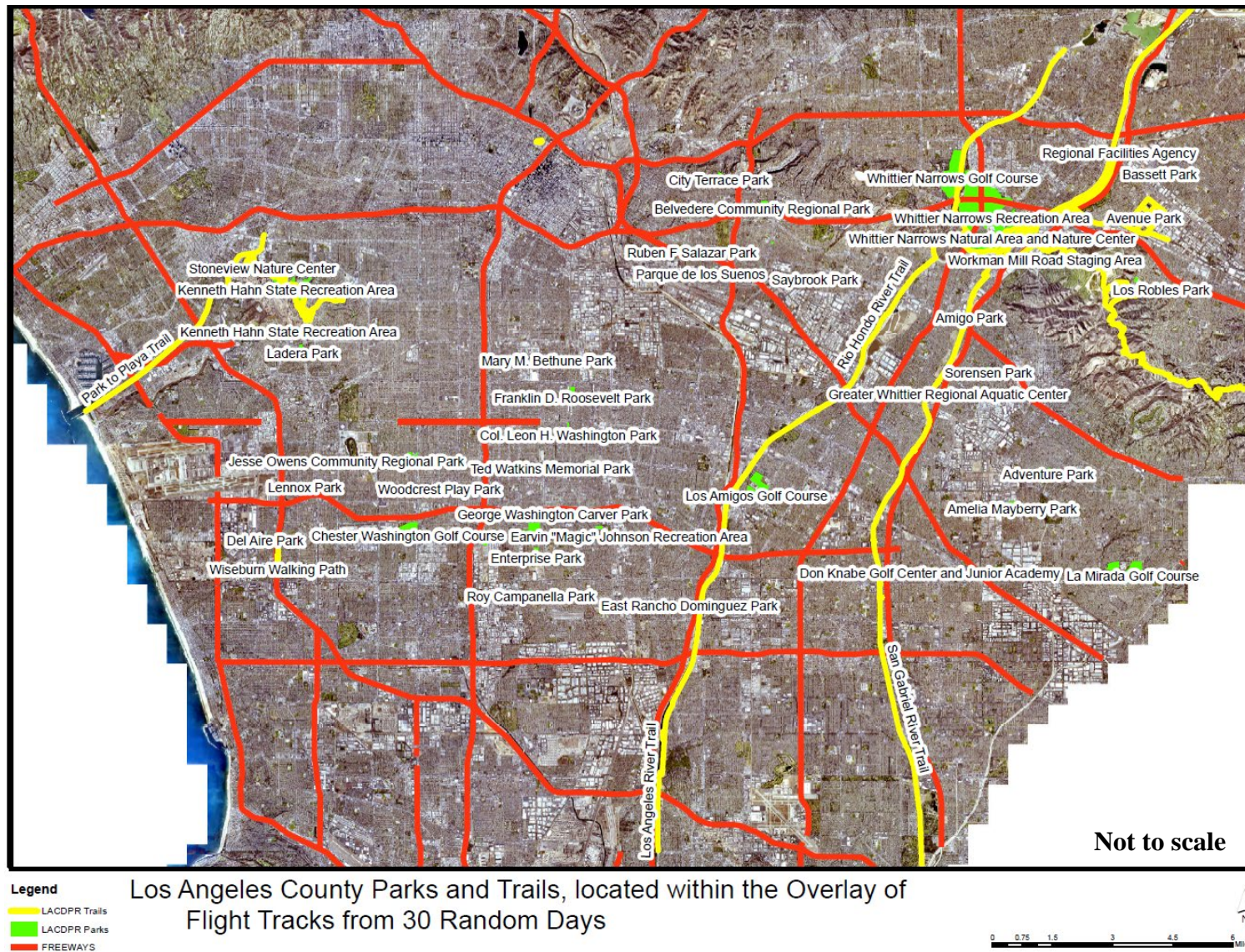
Legend

-  Procedures with 1-NM buffer
-  City of Los Angeles SurveyLA data layer for non-parcel historic cultural resources

Note: Refer to Table 12 of Appendix A for more information on the referenced resources.

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Figure 34. Los Angeles County Department of Parks and Recreation Section 4(f) Resources



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Figure 35. City of Malibu Section 4(f) & Section 106 Resources



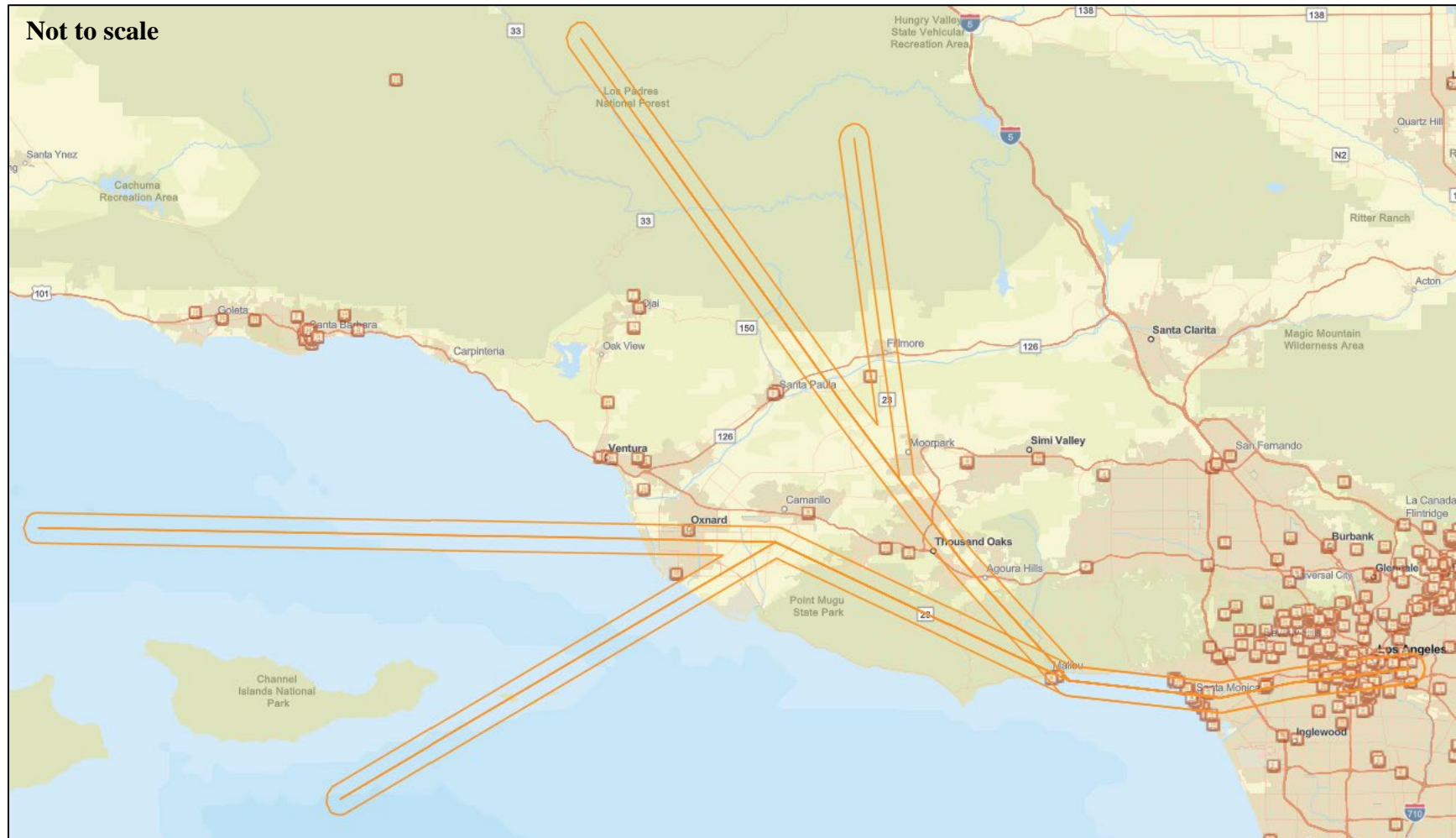
Legend

- Procedures and waypoints with 1-NM buffer
- Waypoint location
- City of Malibu Section 4(f) and Section 106 Resource and ID #

Note: Refer to Table 14 of Appendix A for more information on the referenced resources

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Figure 36. Registered Historic Properties Relative to the Area of Potential Effects



Legend

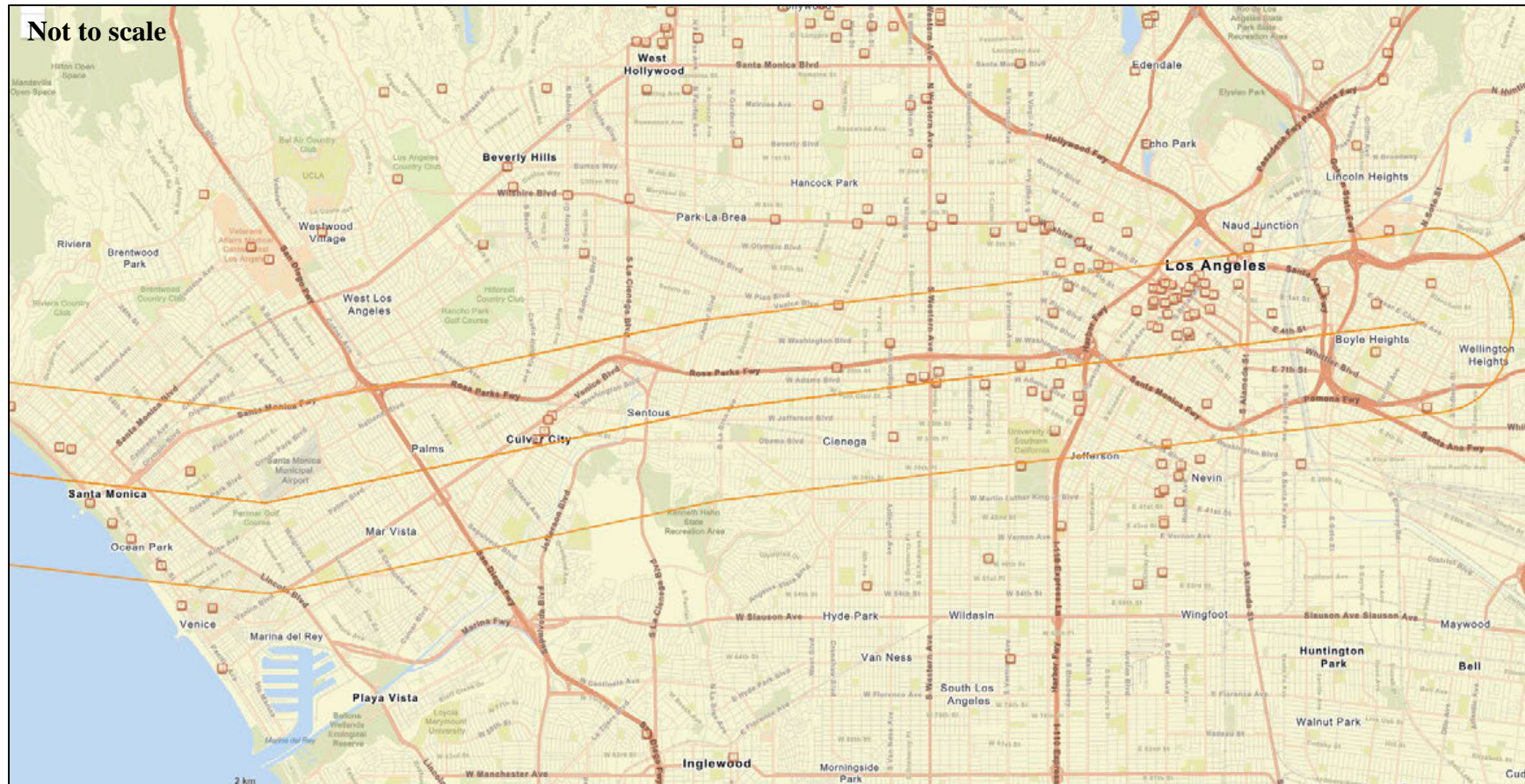
- Procedures and waypoints with 1 NM buffer
NRHP Registered Historic Property

Note: Refer to Table 15 of Appendix A for more information on the referenced resources.

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Figure 37. Zoomed-In View of the Registered Historic Properties Near the City of Culver City and City of Los Angeles Relative to the Area of Potential Effects



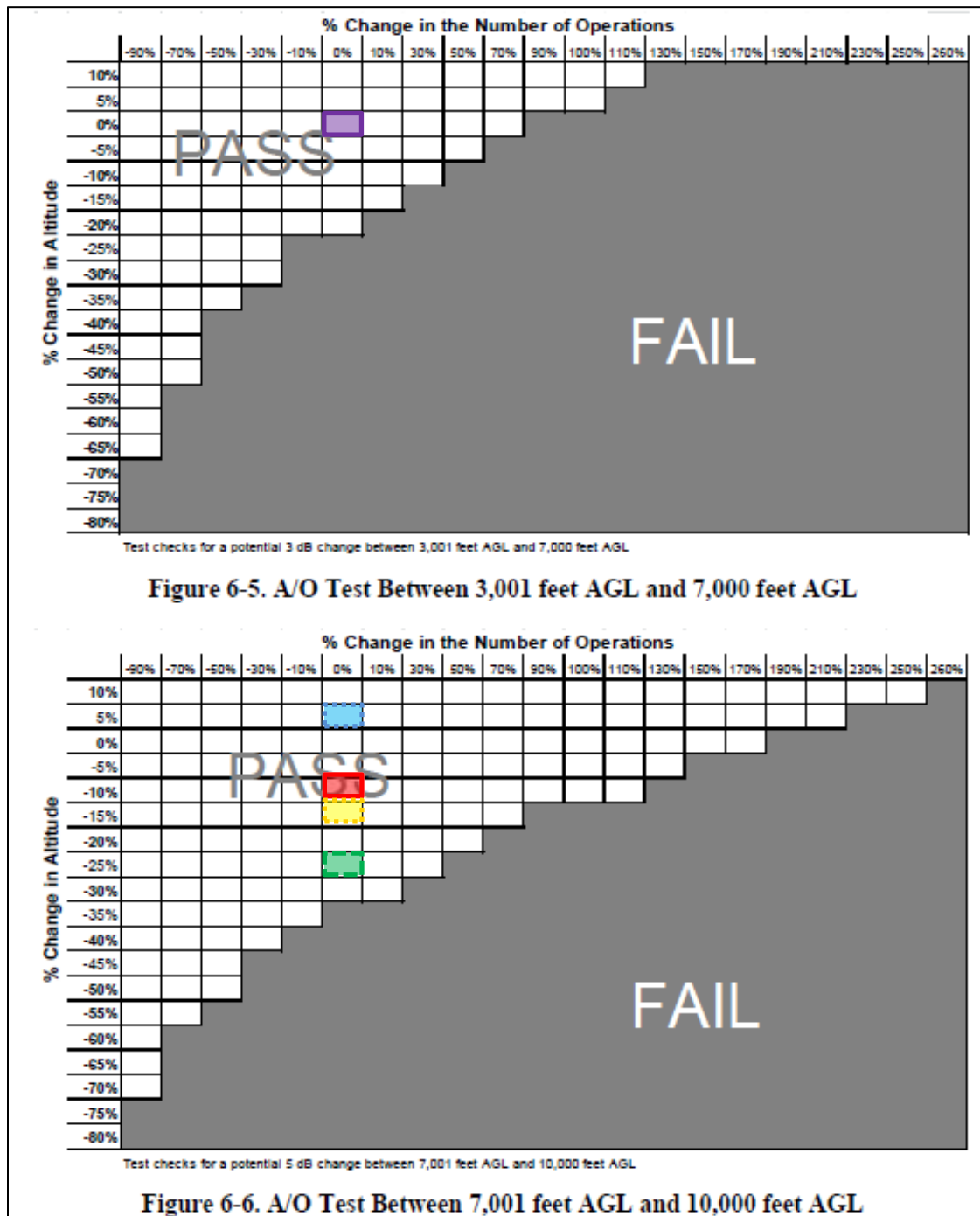
Legend

-  Procedures and waypoints with 1 NM buffer
 NRHP Registered Historic Property

Note: Refer to Table 15 of Appendix A for more information on the referenced resources.

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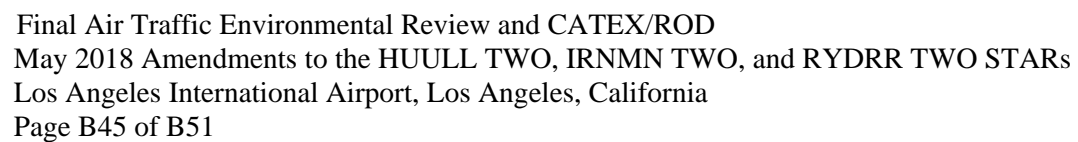
Figure 38. Altitude/Operations Test Noise Screening Analysis Results



Legend

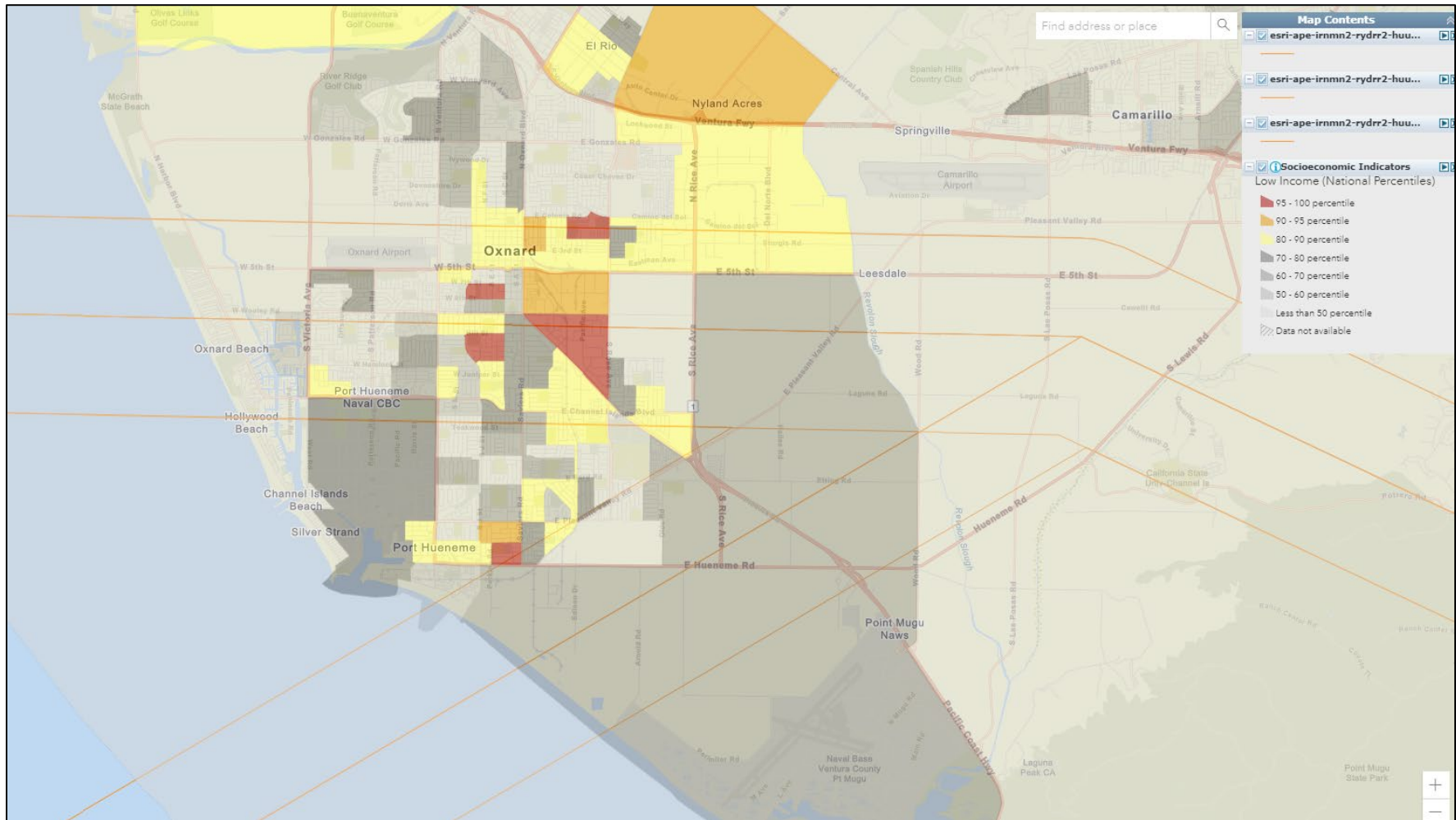
- GNZZO WP A/O Test Results
- GADDO WP A/O Test Results
- IRNMN WP A/O Test Results
- SYMON WP A/O Test Results
- GKNEE WP A/O Test Results

Figure 39. Low-Income Populations in the Study Area



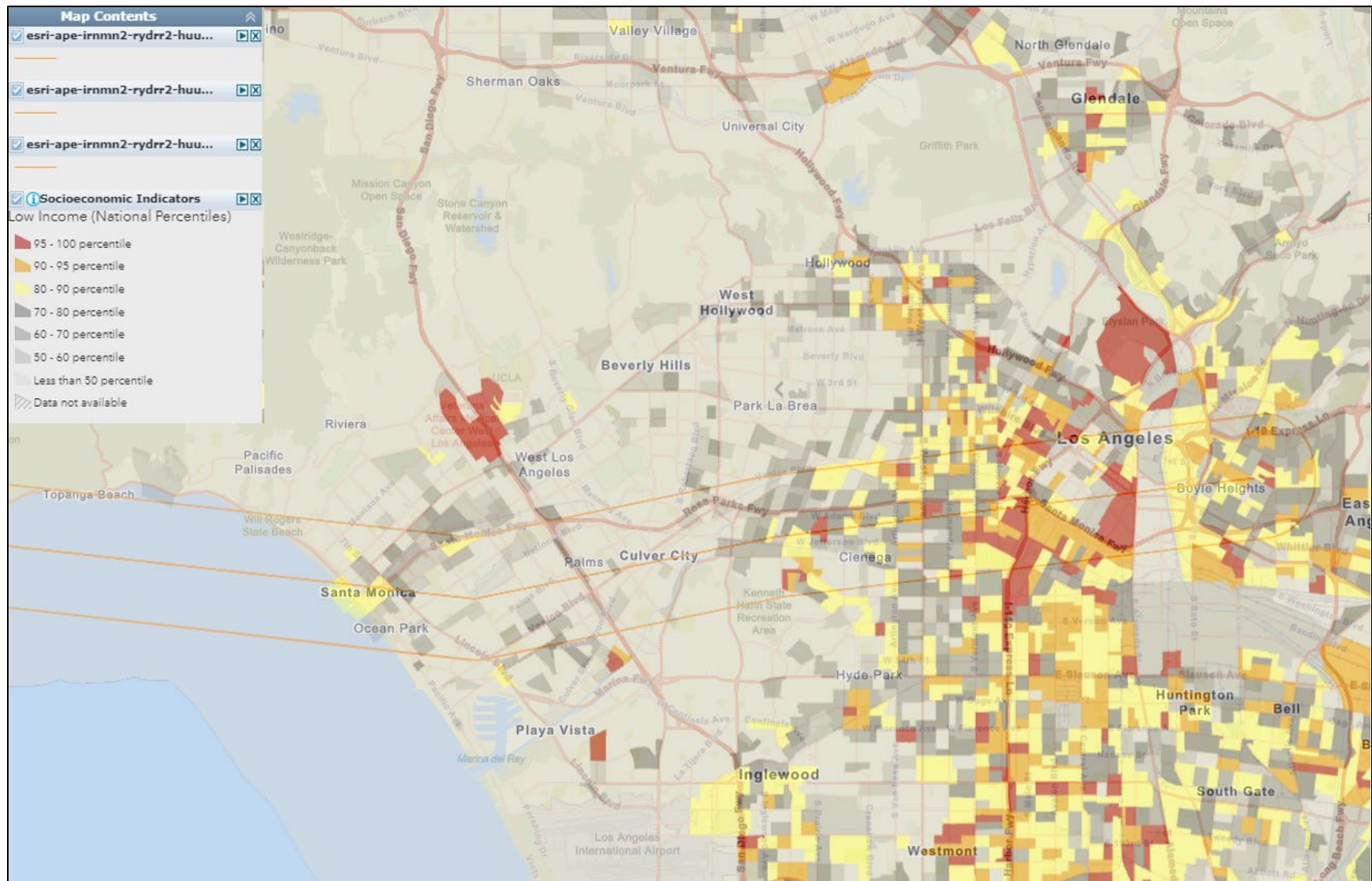
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Figure 40. Low Income Populations in the Study Area near Oxnard



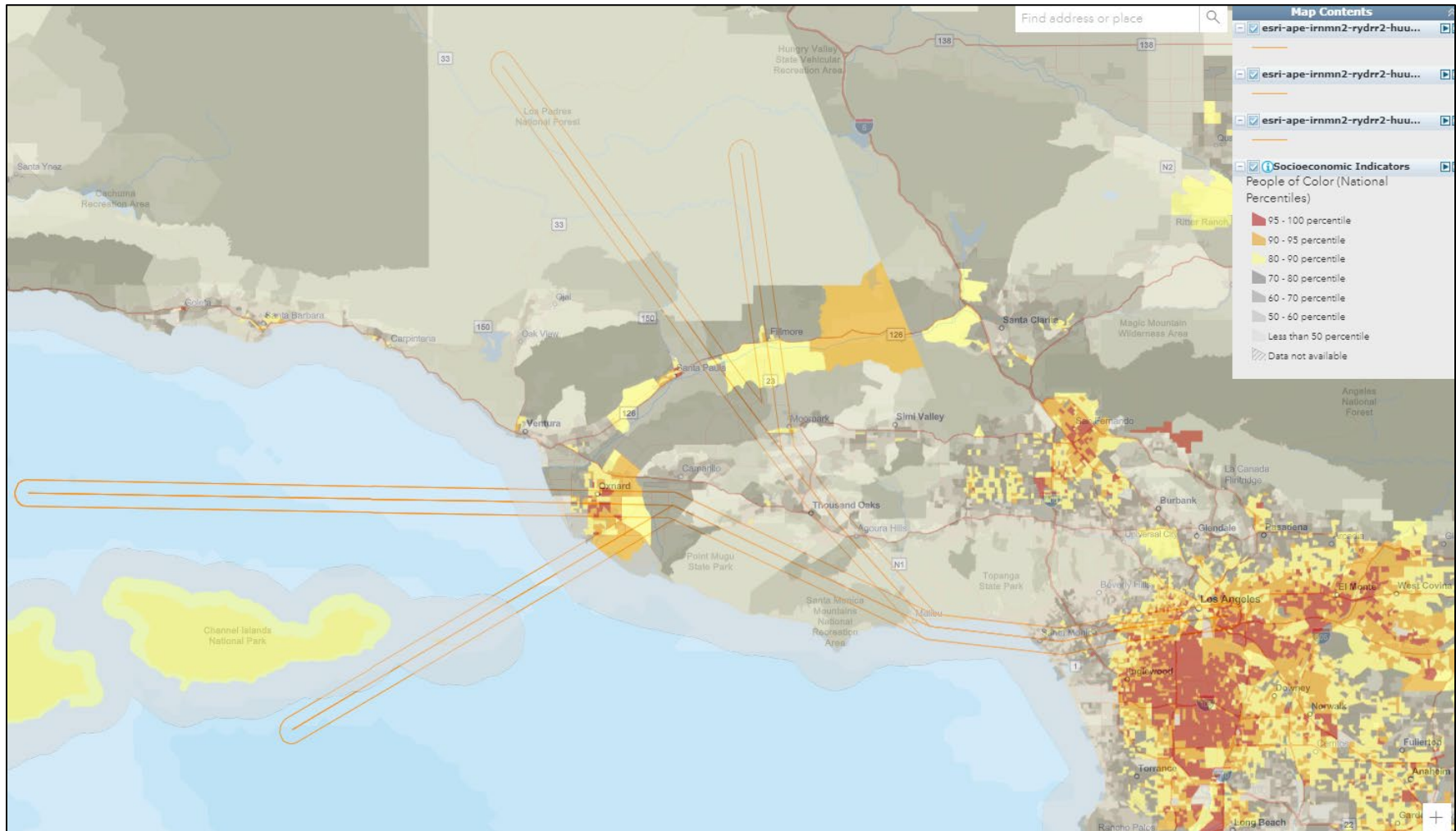
Appendix B - Figures

Figure 41. Low Income Populations in the Study Area near Los Angeles



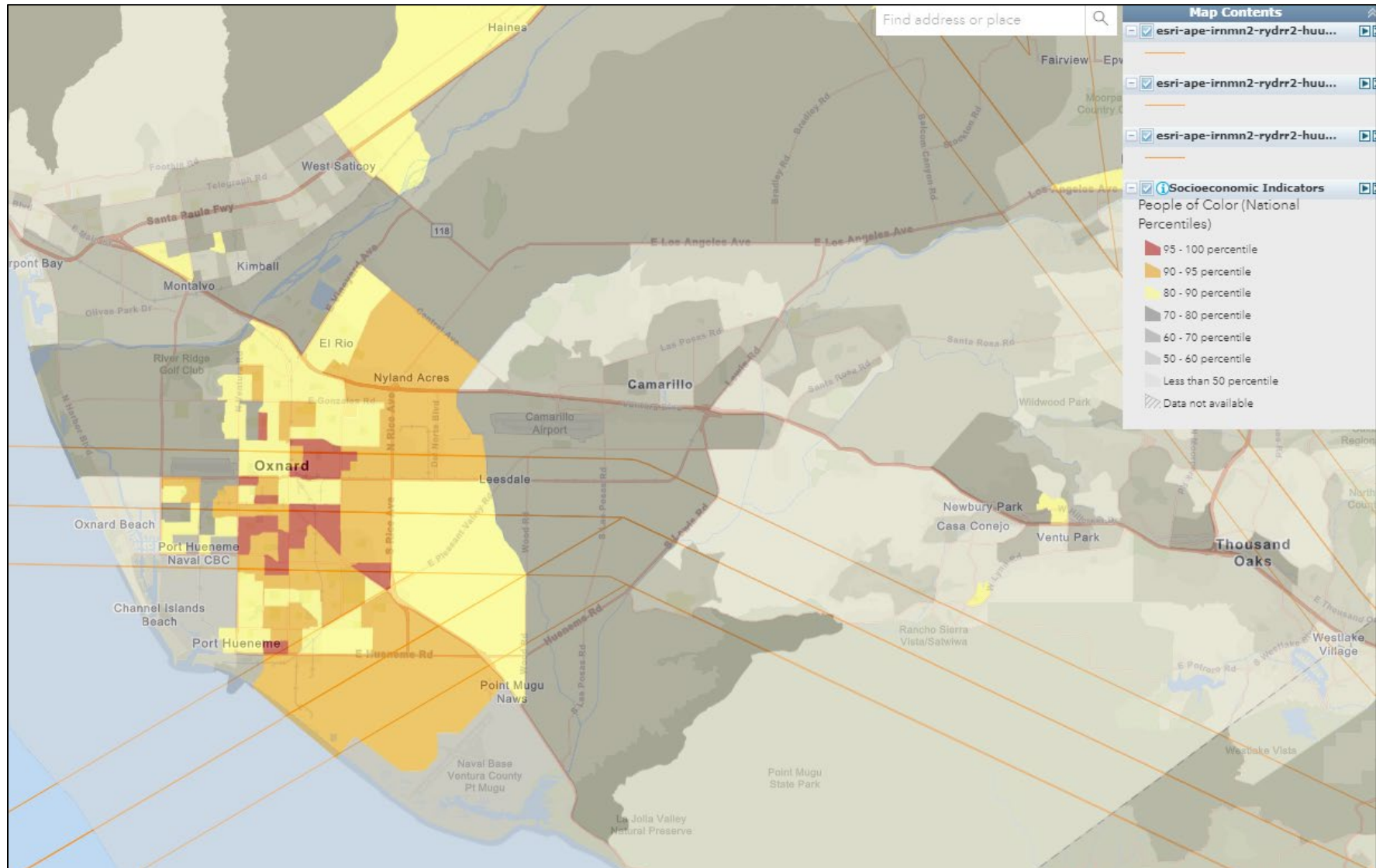
Appendix B - Figures

Figure 42. People of Color Populations in the Study Area



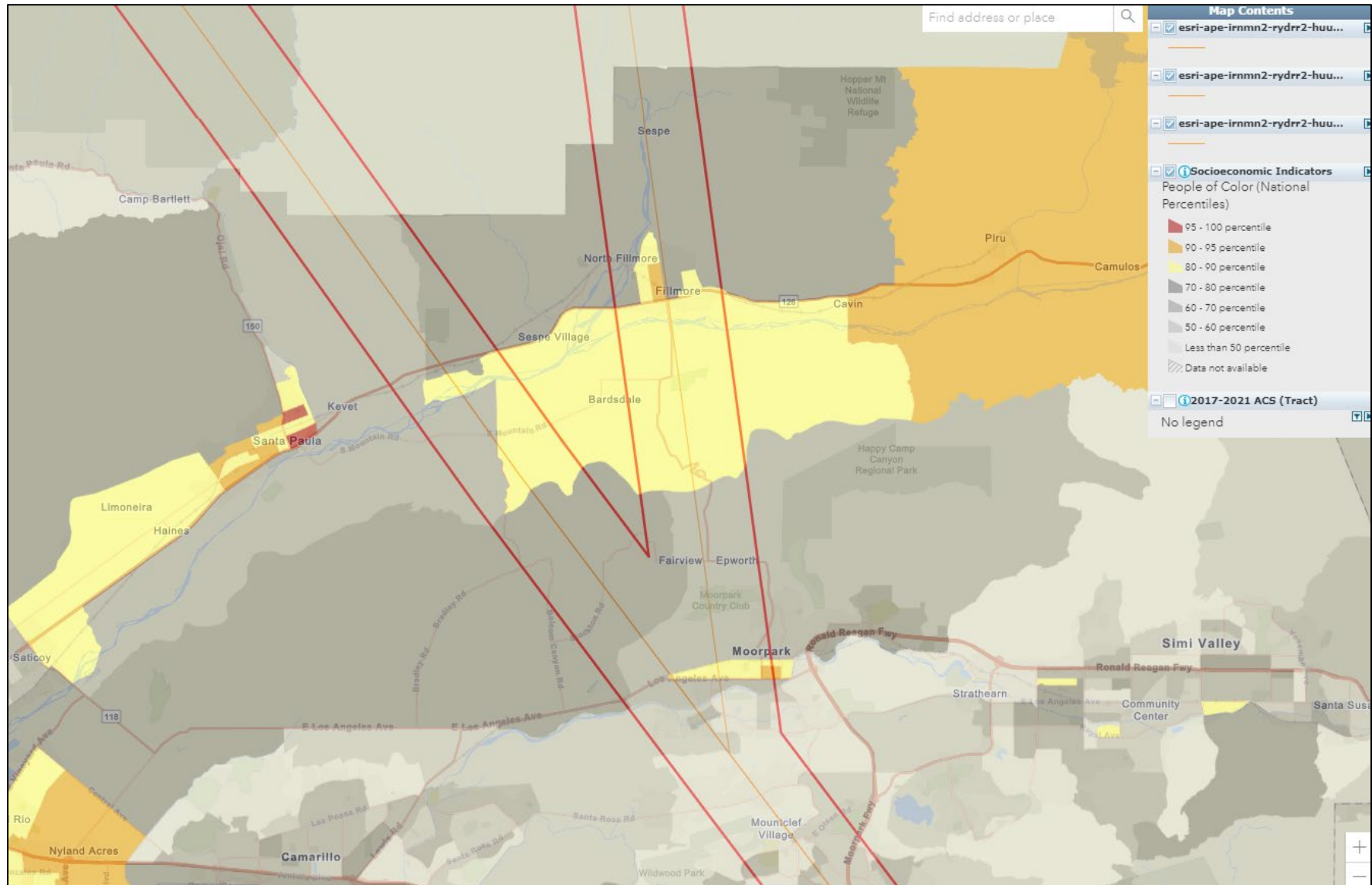
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Figure 43. People of Color Populations in the Study Area near Oxnard



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Figure 44. People of Color Populations in the Study Area near Fillmore



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Figure 45. People of Color Populations in the Study Area near Los Angeles

