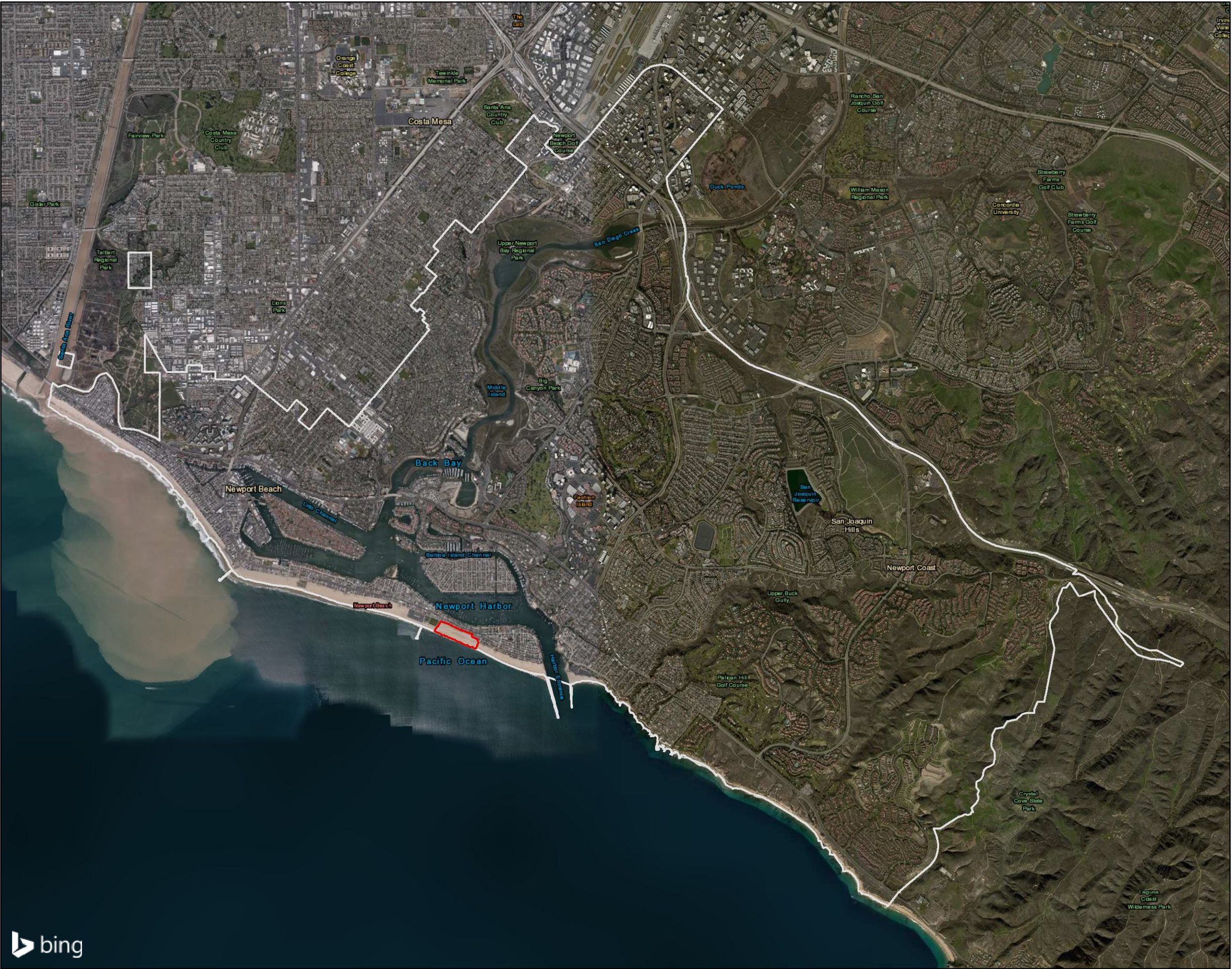
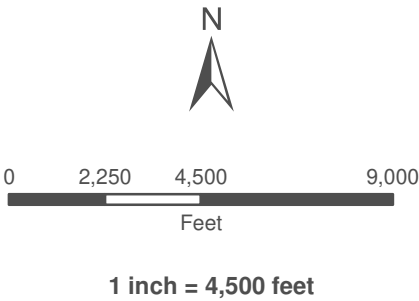




- Newport Beach City Limits
- Western Snowy Plover Critical Habitat



Coordinate System: State Plane 6 NAD 83
Projection: Lambert Conformal Conic
Datum: NAD83
Map Prepared by: B. Gale, GLA
Date Prepared: January 13, 2020

WESTERN SNOWY PLOVER HABITAT MANAGEMENT PLAN

Map of Newport Beach

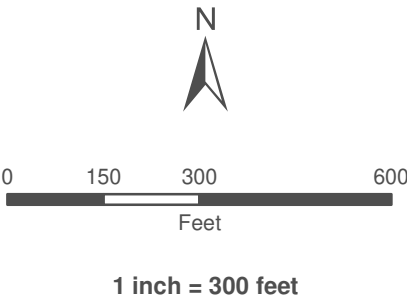
GLENN LUKOS ASSOCIATES

Exhibit 1





- Western Snowy Plover
Critical Habitat Unit 48
- 1 Photo Locations

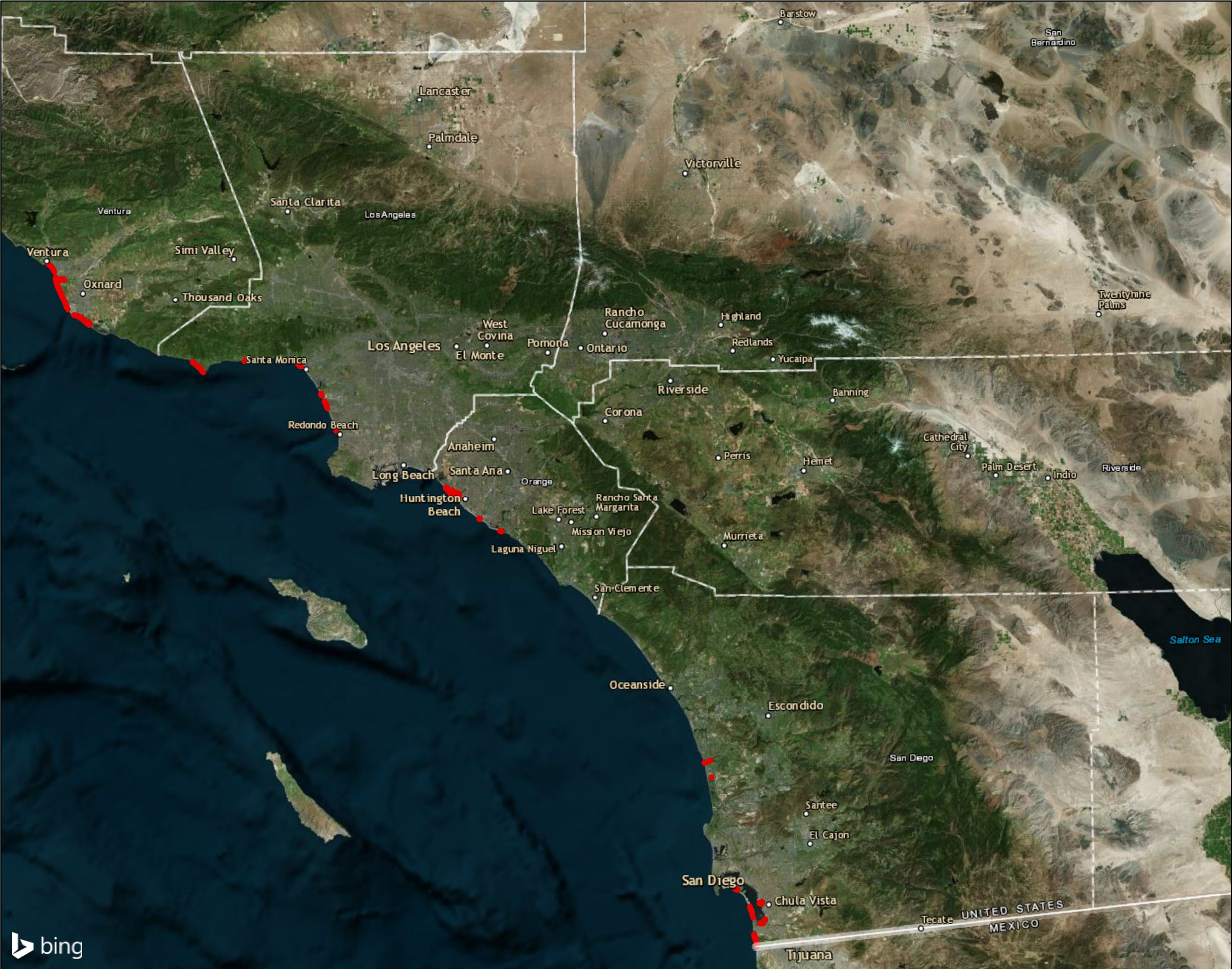


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 Datum: NAD83
 Map Prepared by: B. Gale, GLA
 Date Prepared: January 13, 2020

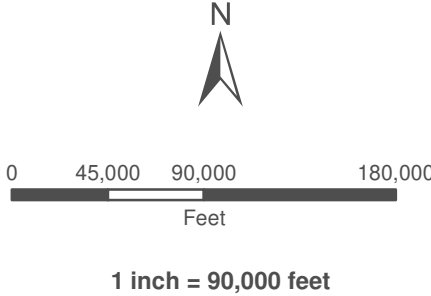
WESTERN SNOWY PLOVER HABITAT MANAGEMENT PLAN

Critical Habitat Boundary



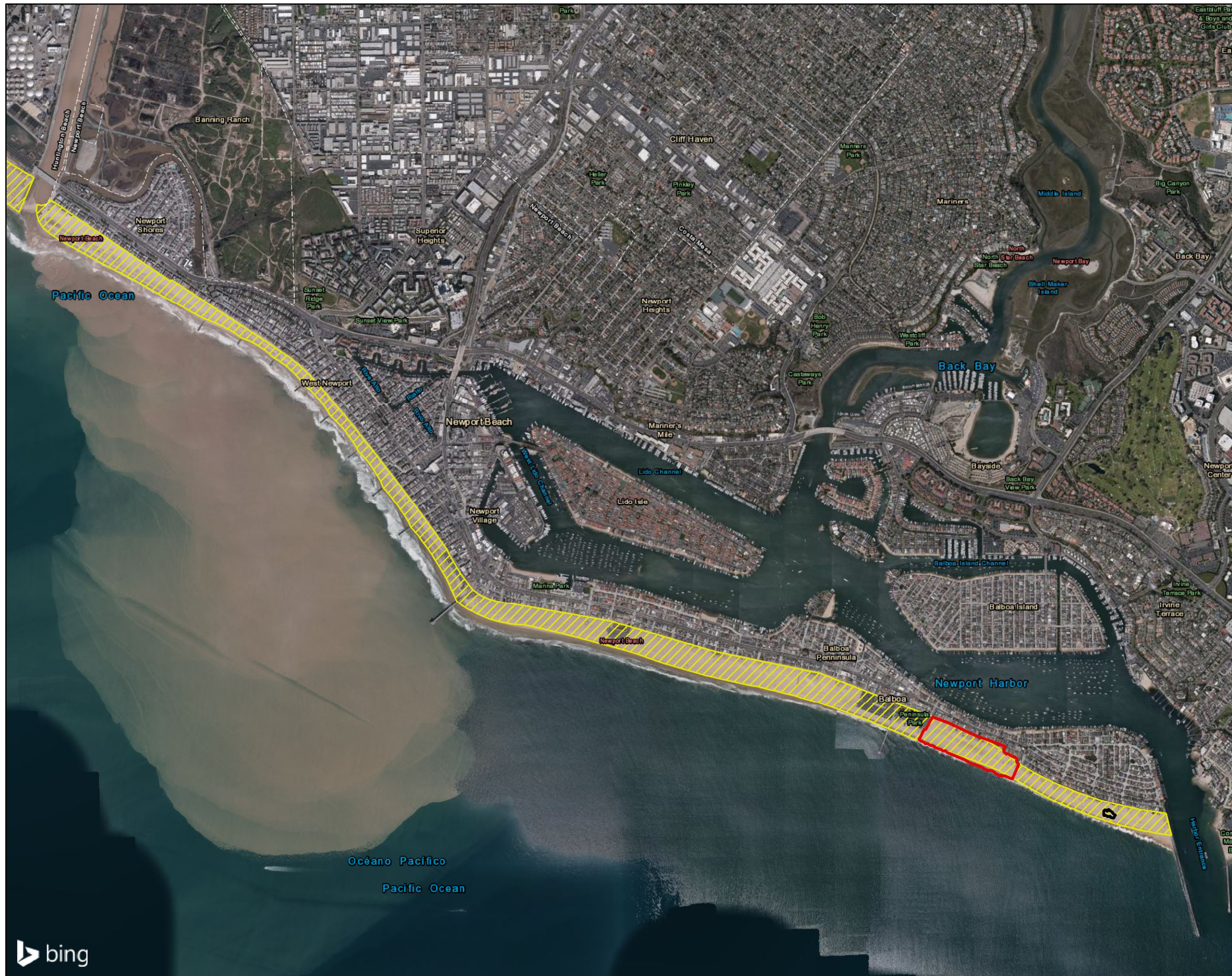


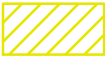
 WSP Critical Habitat Areas
Ventura to San Diego Counties



Coordinate System: State Plane 6 NAD 83
Projection: Lambert Conformal Conic
Datum: NAD83
Map Prepared by: B. Gale, GLA
Date Prepared: January 13, 2020

**WESTERN SNOWY PLOVER
HABITAT MANAGEMENT PLAN**
Critical Habitat Areas



-  Western Snowy Plover Critical Habitat
-  Western Snowy Plover Roost East of Critical Habitat
-  Western Snowy Plover Recovery Unit 6, Location 109



1 inch = 2,000 feet

Coordinate System: State Plane 6 NAD 83
Projection: Lambert Conformal Conic
Datum: NAD83
Map Prepared by: B. Gale, GLA
Date Prepared: January 13, 2020

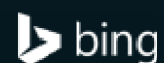
WESTERN SNOWY PLOVER HABITAT MANAGEMENT PLAN

Recovery Unit Map

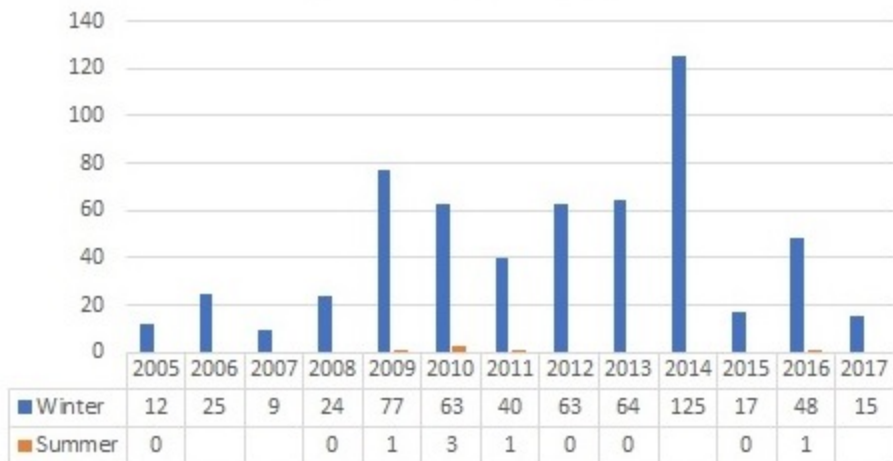
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Exhibit 4



Annual Detections of Western Snowy Plovers at Balboa Beach During Window Surveys 2005-2017



Average Number of Western Snowy Plovers Detected at Roost Sites in Orange County During Each Month of the Year (2012-2017)

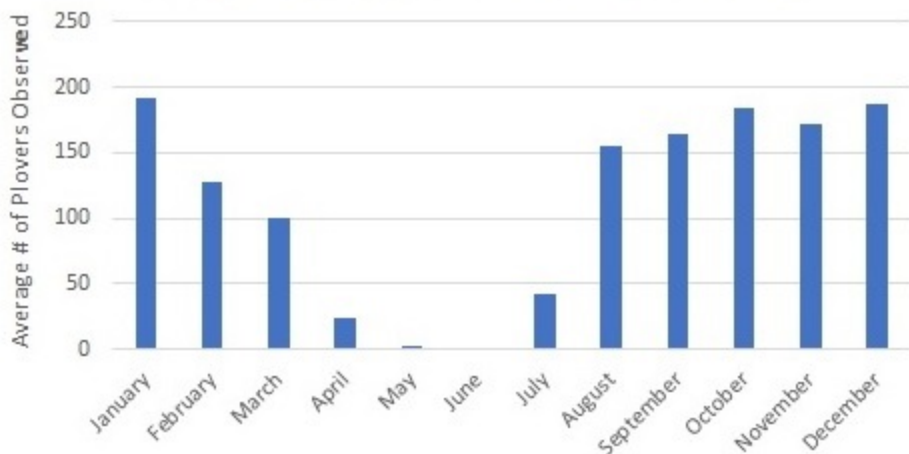


Exhibit 5

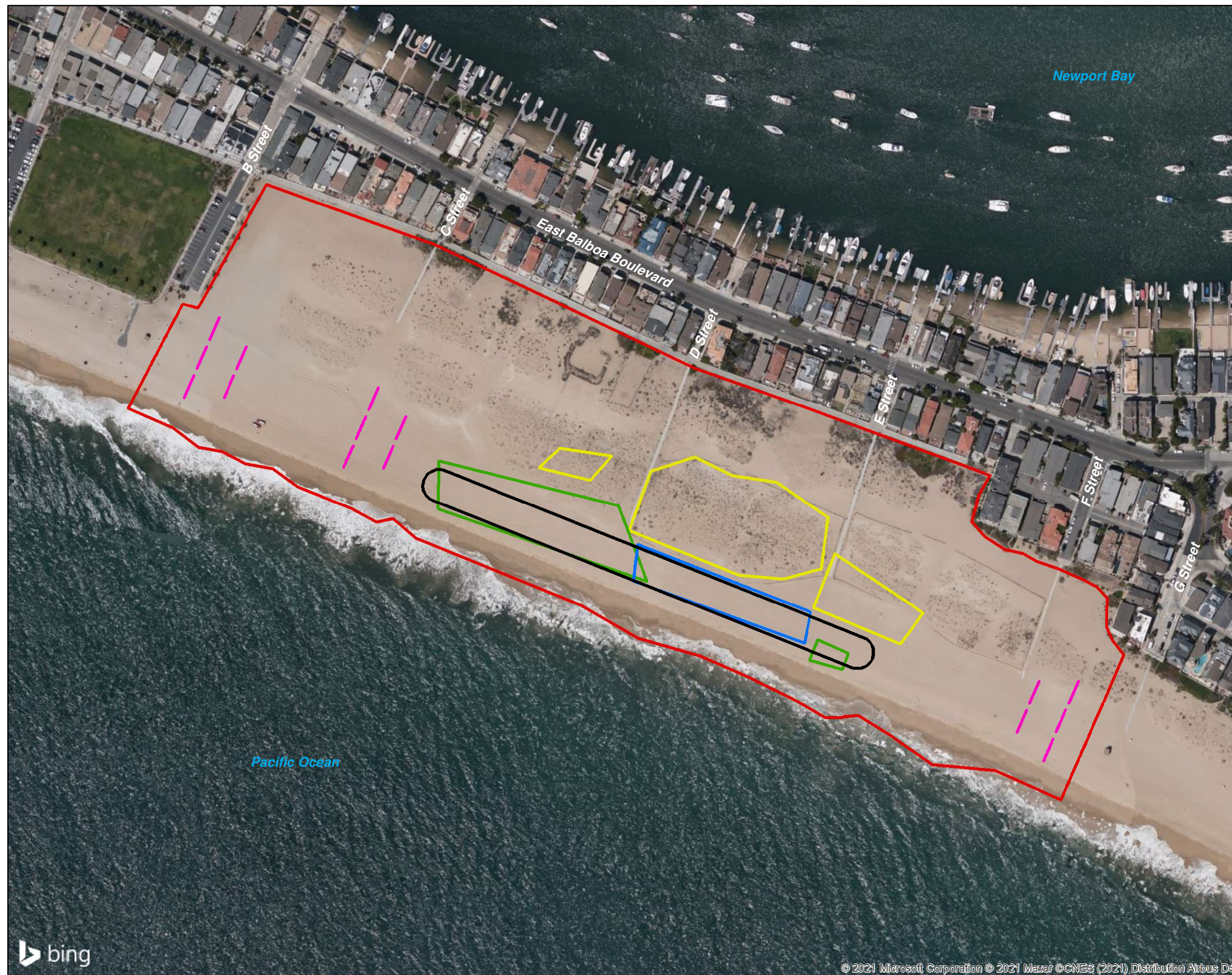
Western Snowy Plover Survey Results

Western Snowy Plover Critical Habitat Management Plan for Balboa Peninsula

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Regulatory Services





 Western Snowy Plover
Critical Habitat Unit 48

Snowy Plover Areas

-  2019
-  2016-2017
-  2015-2016
-  WSP Roost Areas, 2012-2017
-  Temporary Fencing Concept 1
-  Temporary Fencing Concept 2



0 100 200 400
Feet

1 inch = 200 feet

Coordinate System: State Plane 6 NAD 83
Projection: Lambert Conformal Conic
Datum: NAD83
Map Prepared by: B. Gale, GLA
Date Prepared: June 16, 2021

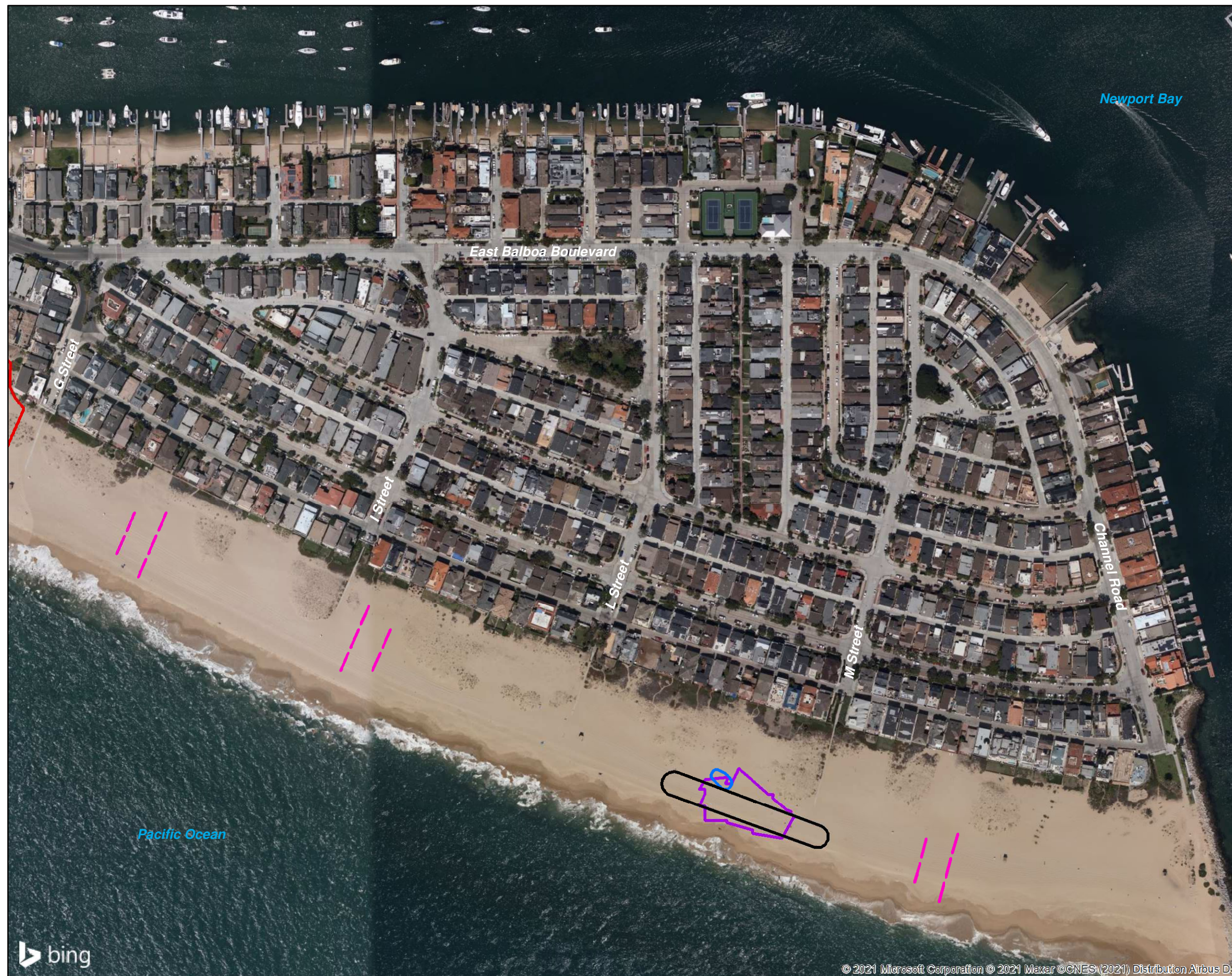
WESTERN SNOWY PLOVER HABITAT MANAGEMENT PLAN

Balboa Beach Roost Map

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Exhibit 6A





 Western Snowy Plover
Critical Habitat Unit 48

Snowy Plover Areas

-  2019
-  2016-2017
-  2015-2016
-  WSP Roost Areas, 2012-2017

 Temporary Fencing Concept 1

 Temporary Fencing Concept 2



0 125 250 500
Feet

1 inch = 250 feet

Coordinate System: State Plane 6 NAD 83
Projection: Lambert Conformal Conic
Datum: NAD83
Map Prepared by: B. Gale, GLA
Date Prepared: June 16, 2021

WESTERN SNOWY PLOVER HABITAT MANAGEMENT PLAN

Balboa Beach Roost Map

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Exhibit 6B



Mean Roost Size Per Month

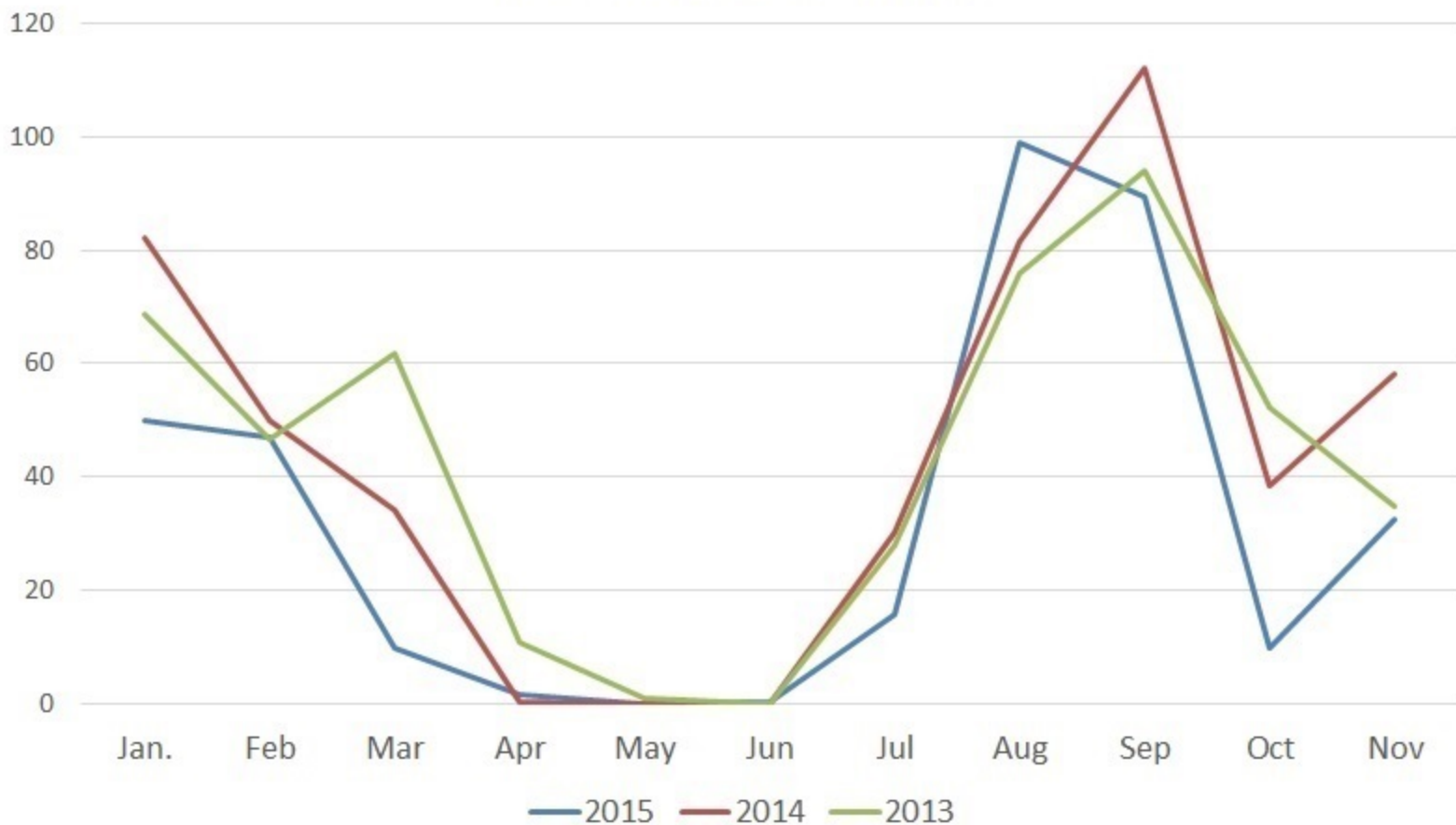


Exhibit 7

Monthly Occupancy

Source: Josh Weinik

8th ST Roost:

Fallback roost (2014)
Small, year round

E ST Roost:

Site of arrival
Early season roost
Site of departure

L ST Roost:

Mid/Late Season Roost

Roost Site	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	Jun.
E ST	X	X	X	X					X			
L ST				X	X	X	X	X				

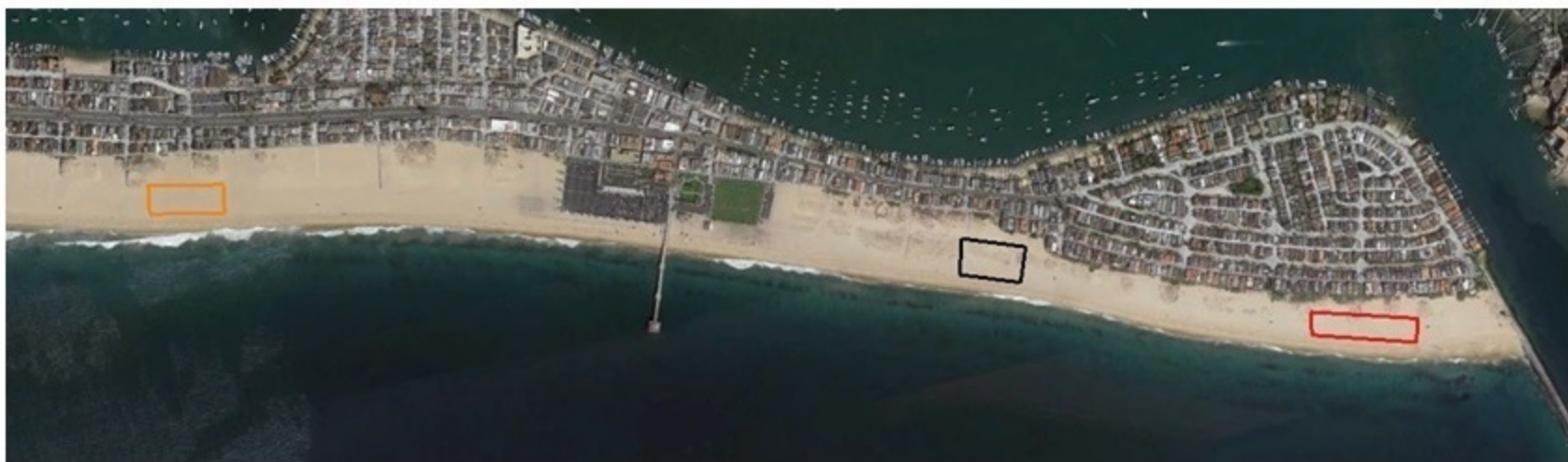
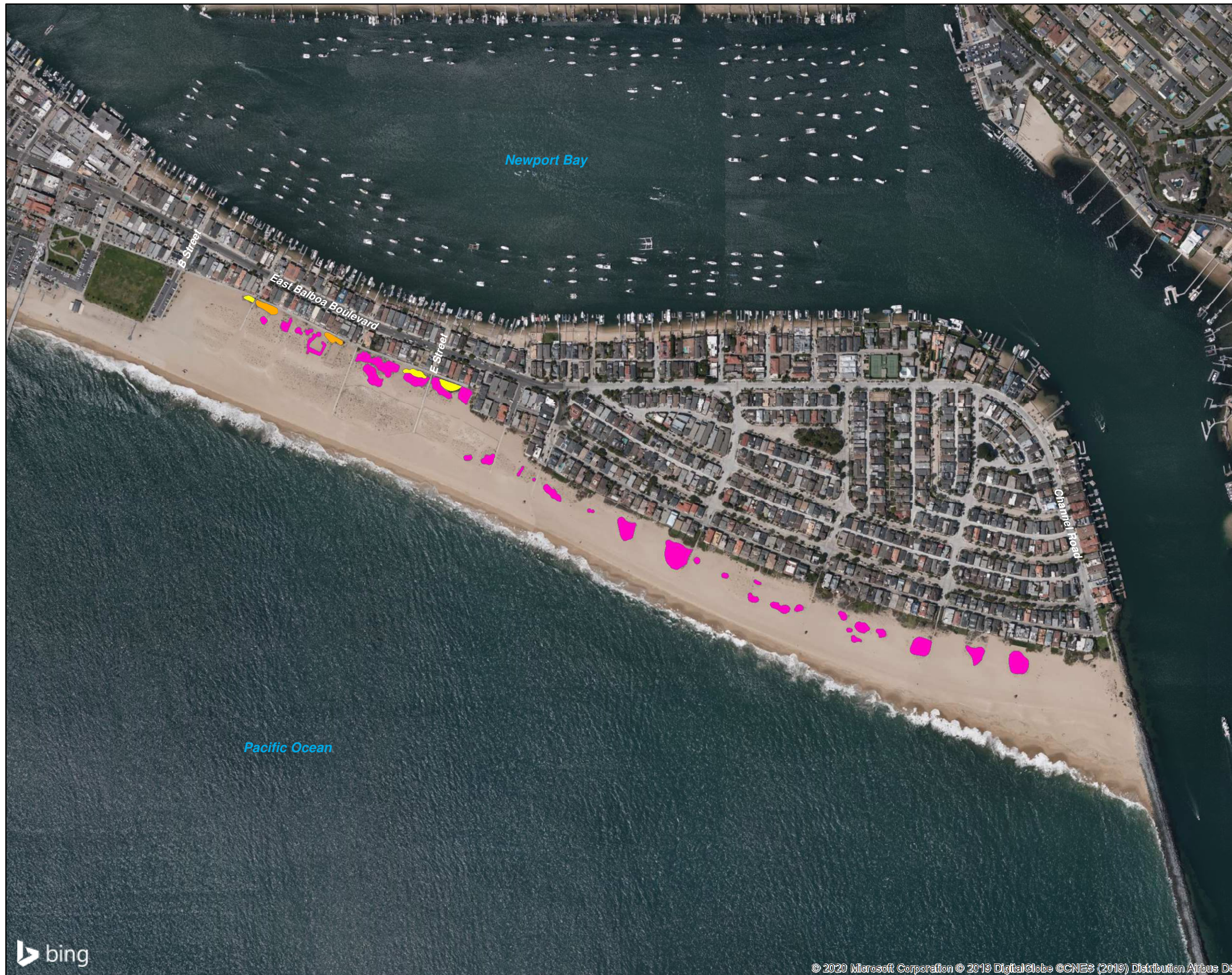
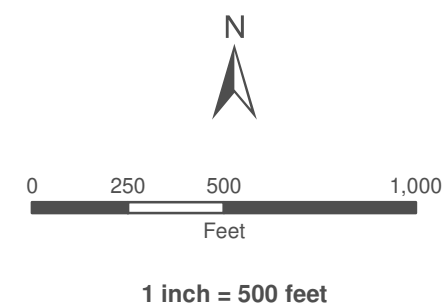


Exhibit 8

Roost Seasonality
Source: Josh Weinik



- Iceplant (2.70 ac.)
- Ornamental (0.19 ac.)
- Iceplant/Ornamental (0.17 ac.)



Coordinate System: State Plane 6 NAD 83
Projection: Lambert Conformal Conic
Datum: NAD83
Map Prepared by: B. Gale, GLA
Date Prepared: January 13, 2020

WESTERN SNOWY PLOVER HABITAT MANAGEMENT PLAN

Vegetation Map

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Exhibit 9