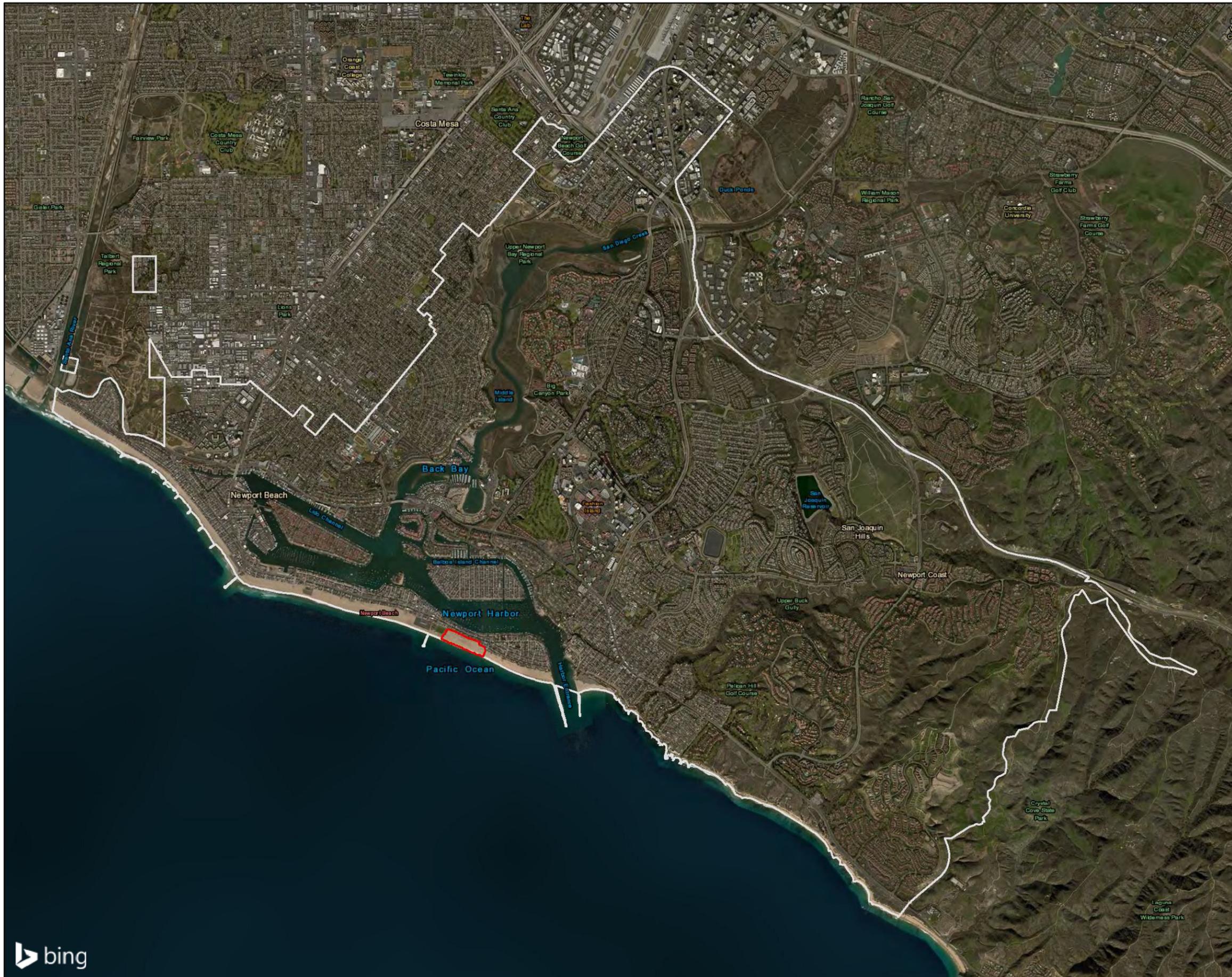
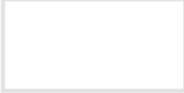
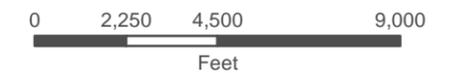


EXHIBITS

1 - 15



-  Newport Beach City Limits
-  Western Snowy Plover Critical Habitat



1 inch = 4,500 feet

Coordinate System: State Plane 6 NAD 83
 Projection: Lambert Conformal Conic
 Datum: NAD83
 Map Prepared by: B. Gale, GLA
 Date Prepared: April 17, 2019

WESTERN SNOWY PLOVER HABITAT MANAGEMENT PLAN

Map of Newport Beach

GLENN LUKOS ASSOCIATES



Exhibit 1





 WSP Critical Habitat Areas
Ventura to San Diego Counties



1 inch = 90,000 feet

Coordinate System: State Plane 6 NAD 83
Projection: Lambert Conformal Conic
Datum: NAD83
Map Prepared by: B. Gale, GLA
Date Prepared: April 17, 2019

WESTERN SNOWY PLOVER HABITAT MANAGEMENT PLAN

Critical Habitat Areas

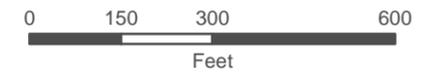
GLENN LUKOS ASSOCIATES



Exhibit 2



 Western Snowy Plover
Critical Habitat Unit 48



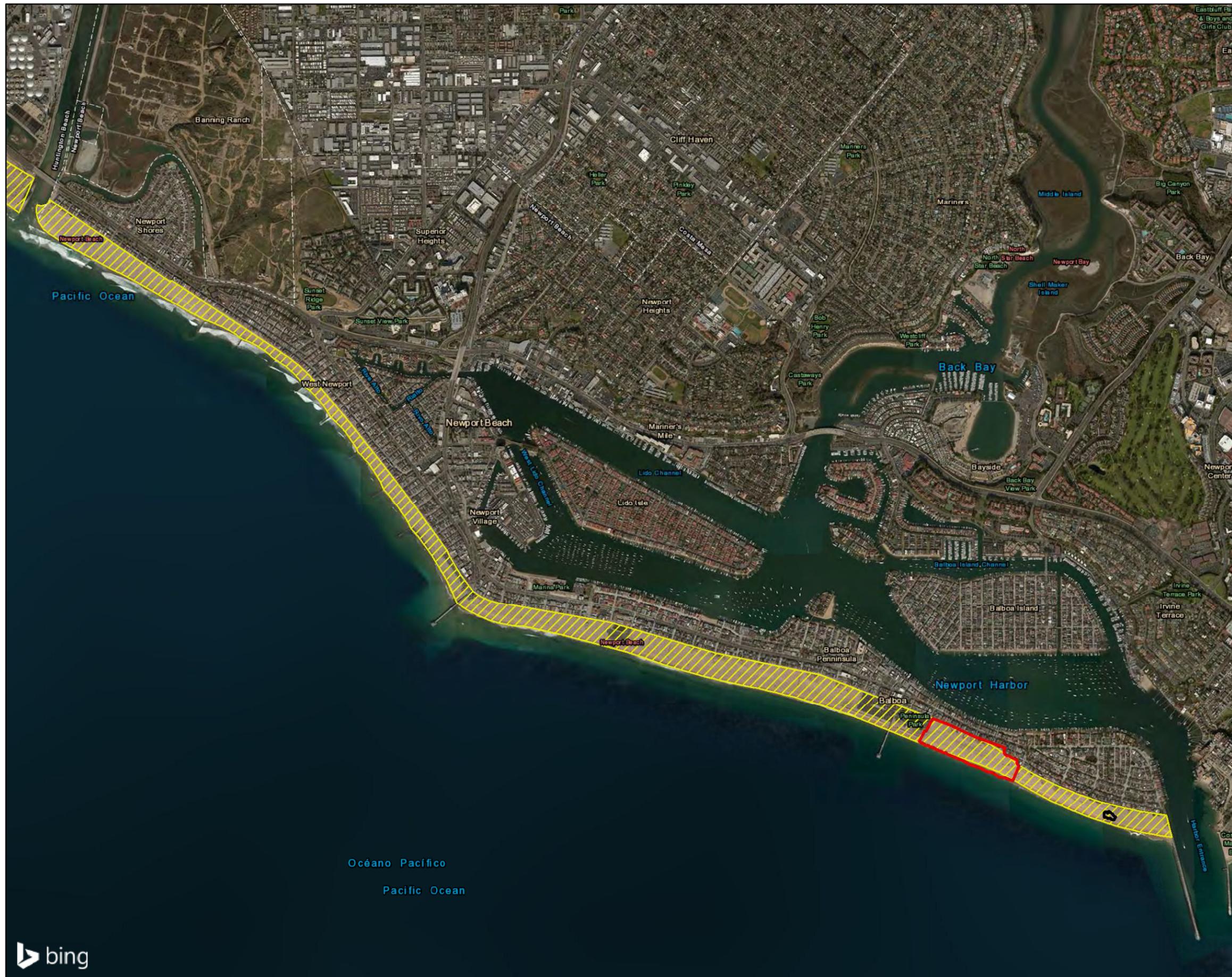
1 inch = 300 feet



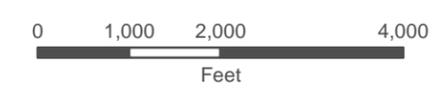
Coordinate System: State Plane 6 NAD 83
Projection: Lambert Conformal Conic
Datum: NAD83
Map Prepared by: B. Gale, GLA
Date Prepared: April 17, 2019

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

GLENN LUKOS ASSOCIATES 
Exhibit 3



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



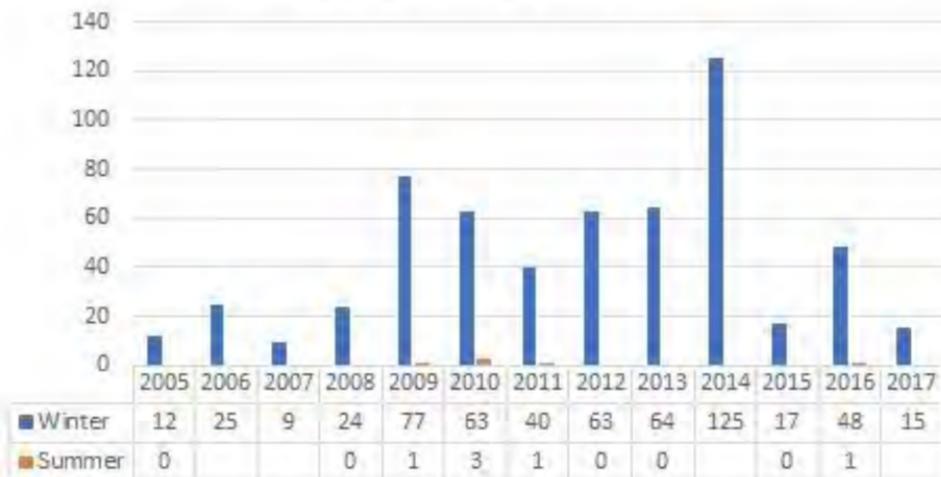
1 inch = 2,000 feet

Coordinate System: State Plane 6 NAD 83
 Projection: Lambert Conformal Conic
 Datum: NAD83
 Map Prepared by: B. Gale, GLA
 Date Prepared: May 1, 2019

**WESTERN SNOWY PLOVER
 HABITAT MANAGEMENT PLAN**
 Recovery Unit Map



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)

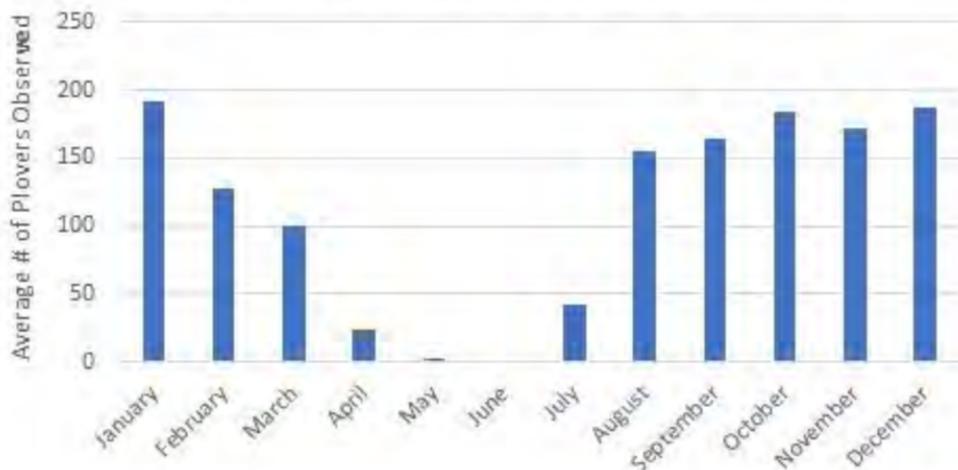


Exhibit 5

Western Snowy Plover Survey Results

Western Snowy Plover Critical Habitat Management Plan for Balboa Peninsula

GLENN LUKOS ASSOCIATES

Regulatory Services





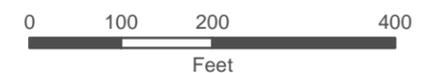
 Western Snowy Plover
Critical Habitat Unit 48

Snowy Plover Areas

 2019 (GLA 2019)

 2016-2017 (Ryan 2017)

 2015-2016 (Ryan 2017)



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: July 5, 2019

**WESTERN SNOWY PLOVER
 HABITAT MANAGEMENT PLAN**
 Balboa Beach Roost Map

GLENN LUKOS ASSOCIATES



Exhibit 6A



Mean Roost Size Per Month

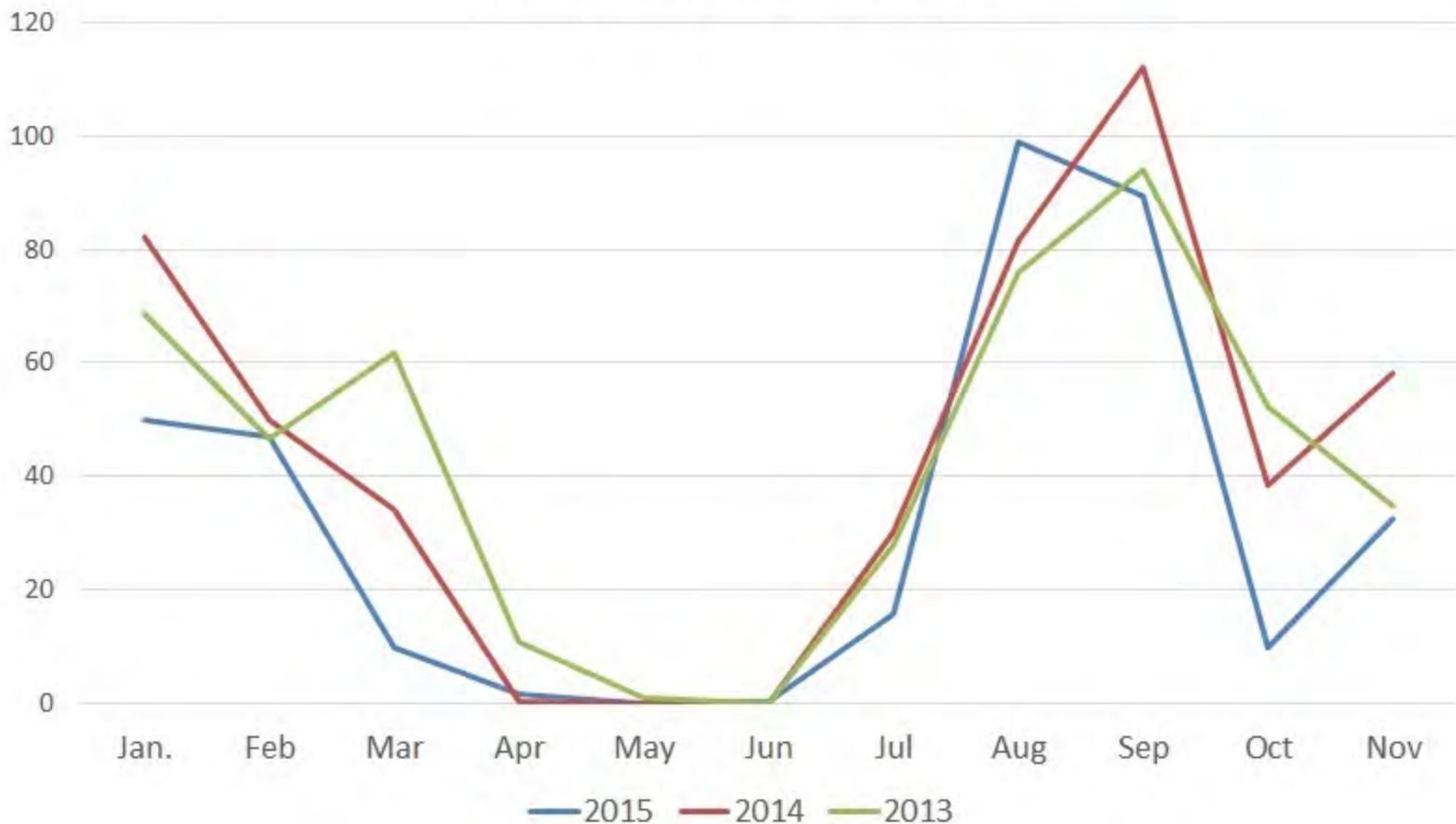


Exhibit 6B

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				

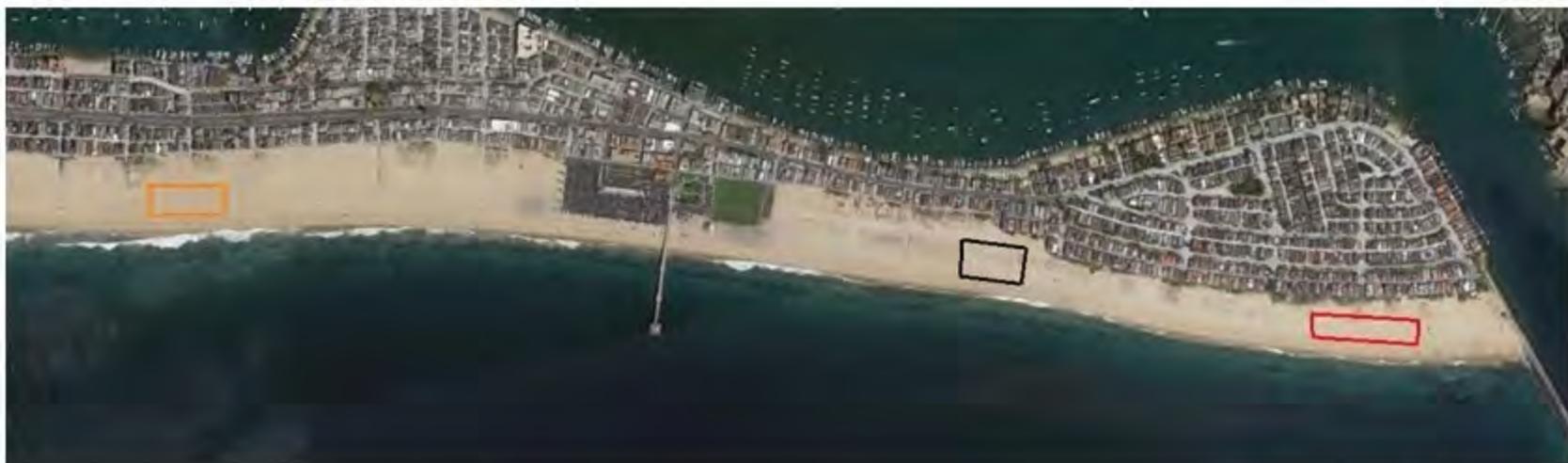
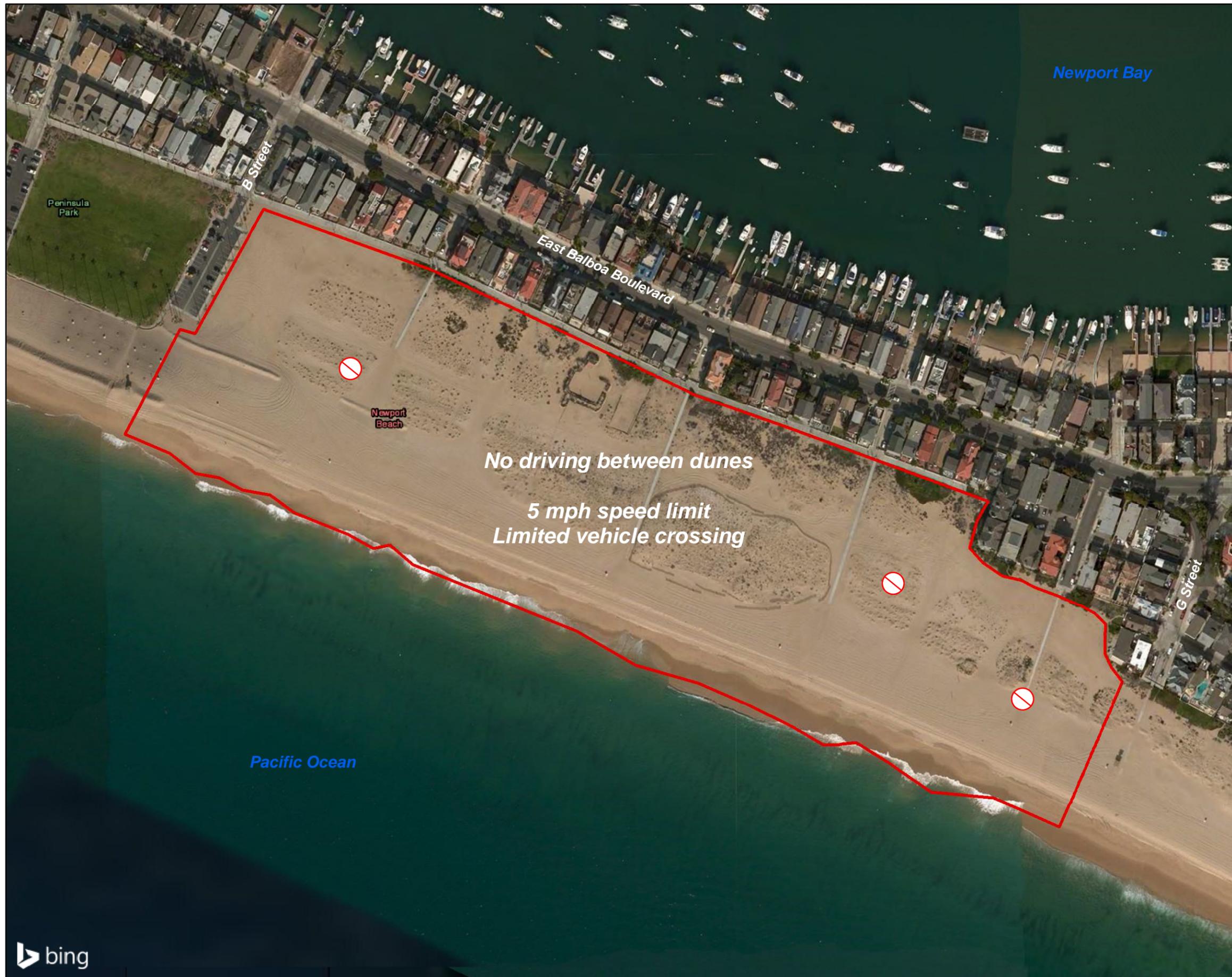
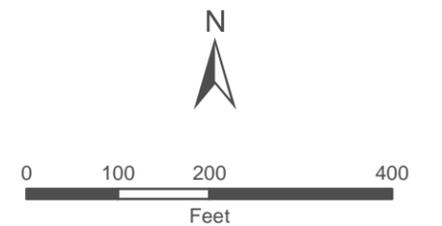


Exhibit 6C

Roost Seasonality
Source: Josh Weinik



 Western Snowy Plover
Critical Habitat Unit 48



1 inch = 200 feet

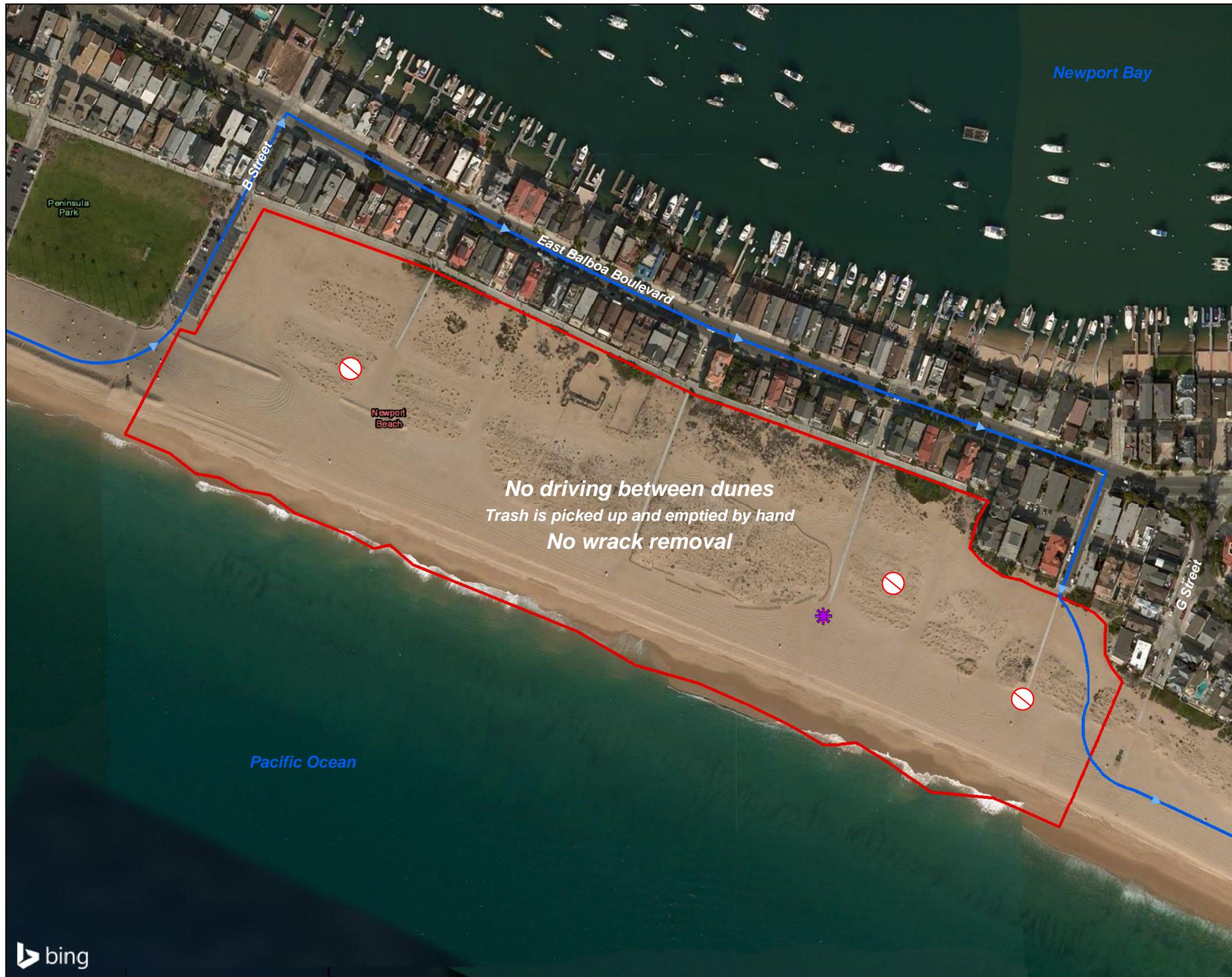
Coordinate System: State Plane 6 NAD 83
 Projection: Lambert Conformal Conic
 Datum: NAD83
 Map Prepared by: B. Gale, GLA
 Date Prepared: April 17, 2019

**WESTERN SNOWY PLOVER
HABITAT MANAGEMENT PLAN**

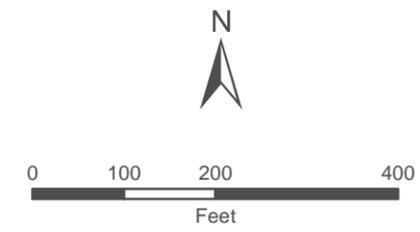
Lifeguard Vehicle Access Map

GLENN LUKOS ASSOCIATES 

Exhibit 7



-  Western Snowy Plover Critical Habitat Unit 48
-  Trash Pickup Route
-  Trash Can



1 inch = 200 feet

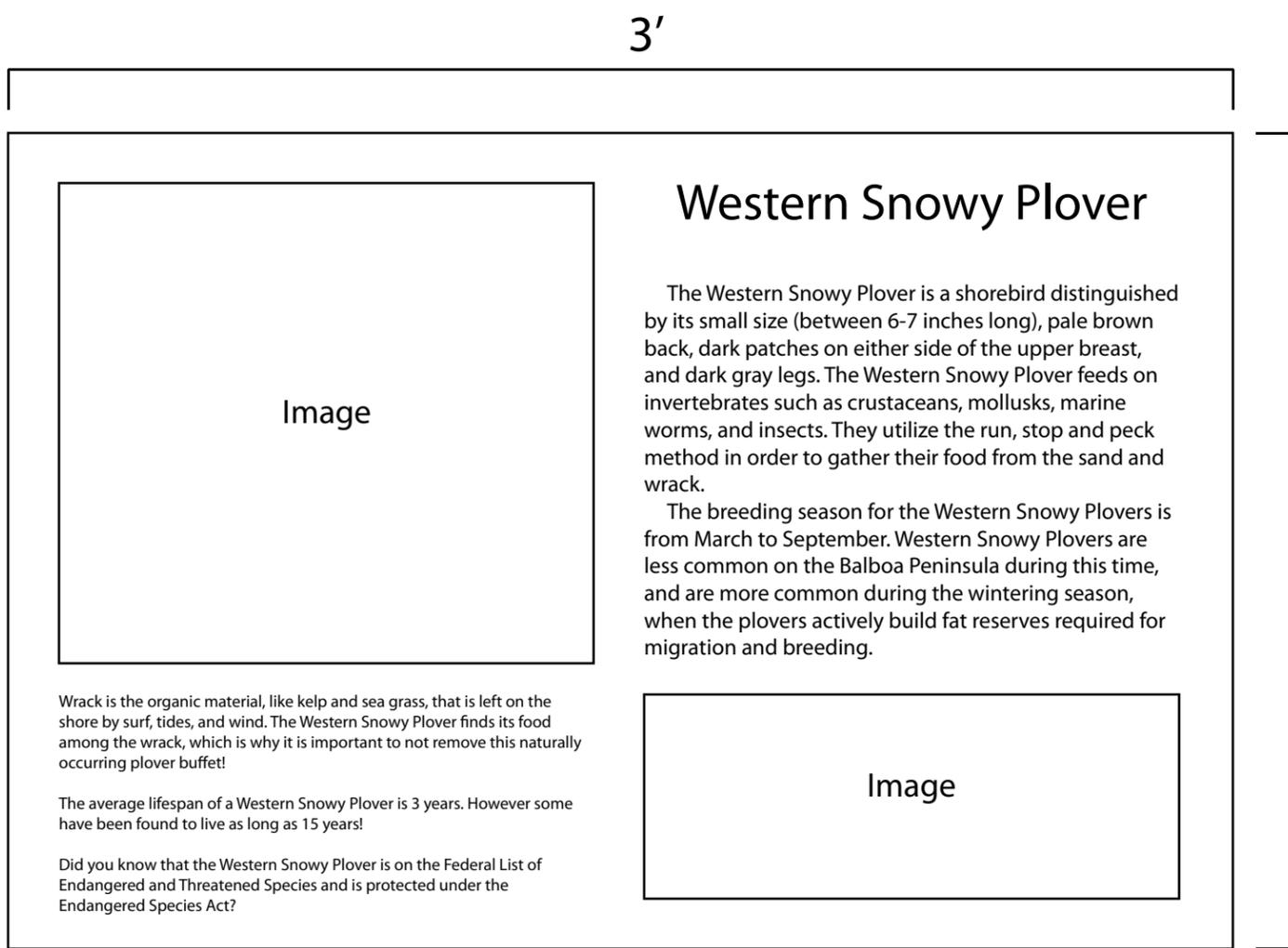
Coordinate System: State Plane 6 NAD 83
 Projection: Lambert Conformal Conic
 Datum: NAD83
 Map Prepared by: B. Gale, GLA
 Date Prepared: April 17, 2019

**WESTERN SNOWY PLOVER
 HABITAT MANAGEMENT PLAN**
 Municipal Operations Vehicle Access Map

GLENN LUKOS ASSOCIATES 

Exhibit 8

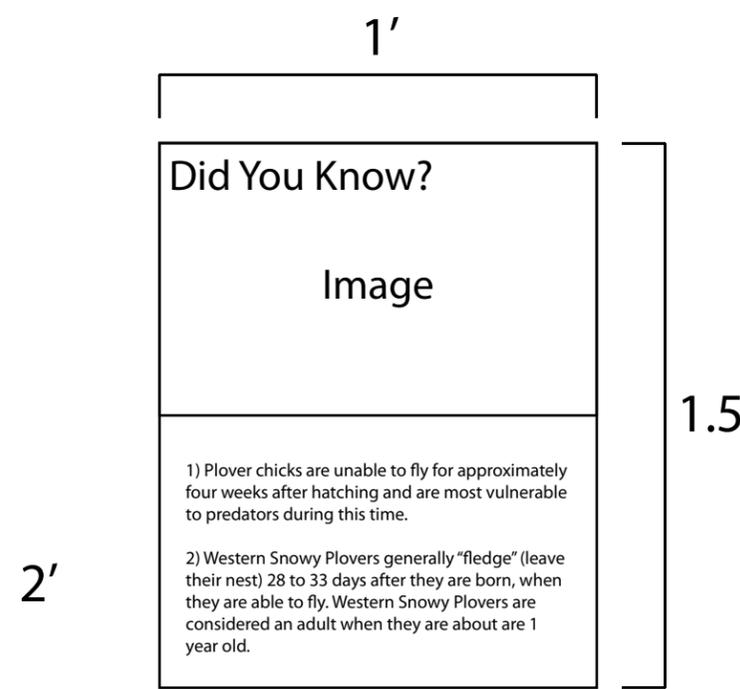




Interpretative Signage Template (Draft)
3' Tall



Reference Image



Cor-Ten Educational Signage Template (Draft)
3' to 3½' Tall



Reference Image



Cor-Ten Regulation Signage Template (Draft)
3' to 3½' Tall



Reference Image



“Finger Walkway” Intersection w/ Bike Path



“Finger Walkway” End at Beach



Stencil to be Stained & Sandblasted into Concrete

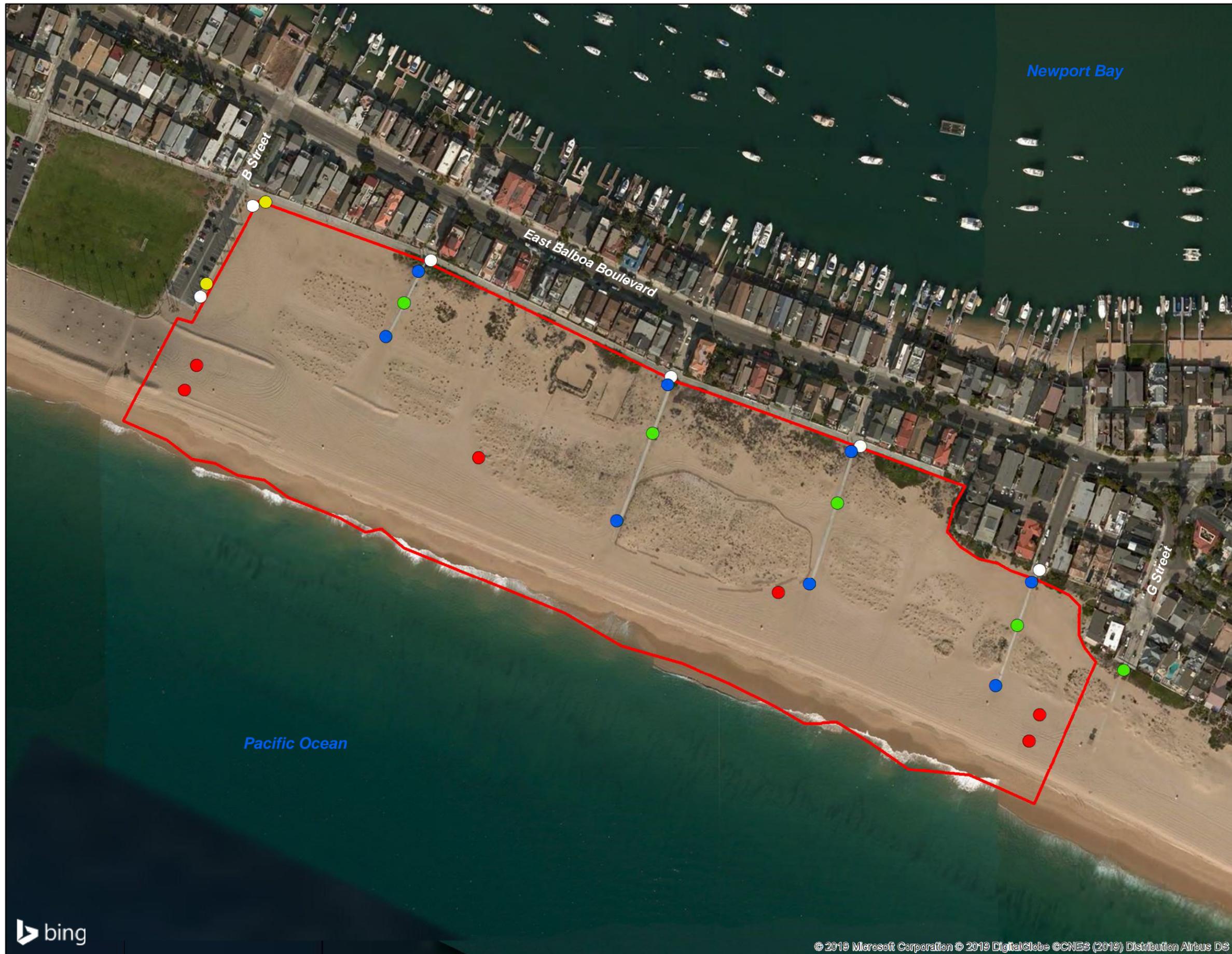
Plover Logo and/or Concrete Stencil Suggestion

Newport Beach: Western Snowy Plover Critical Habitat

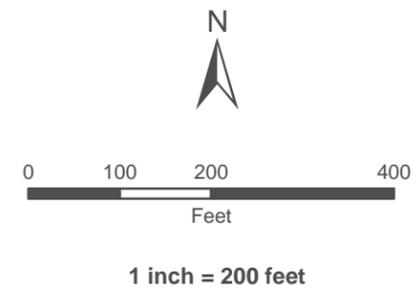
Date: May 03, 2019





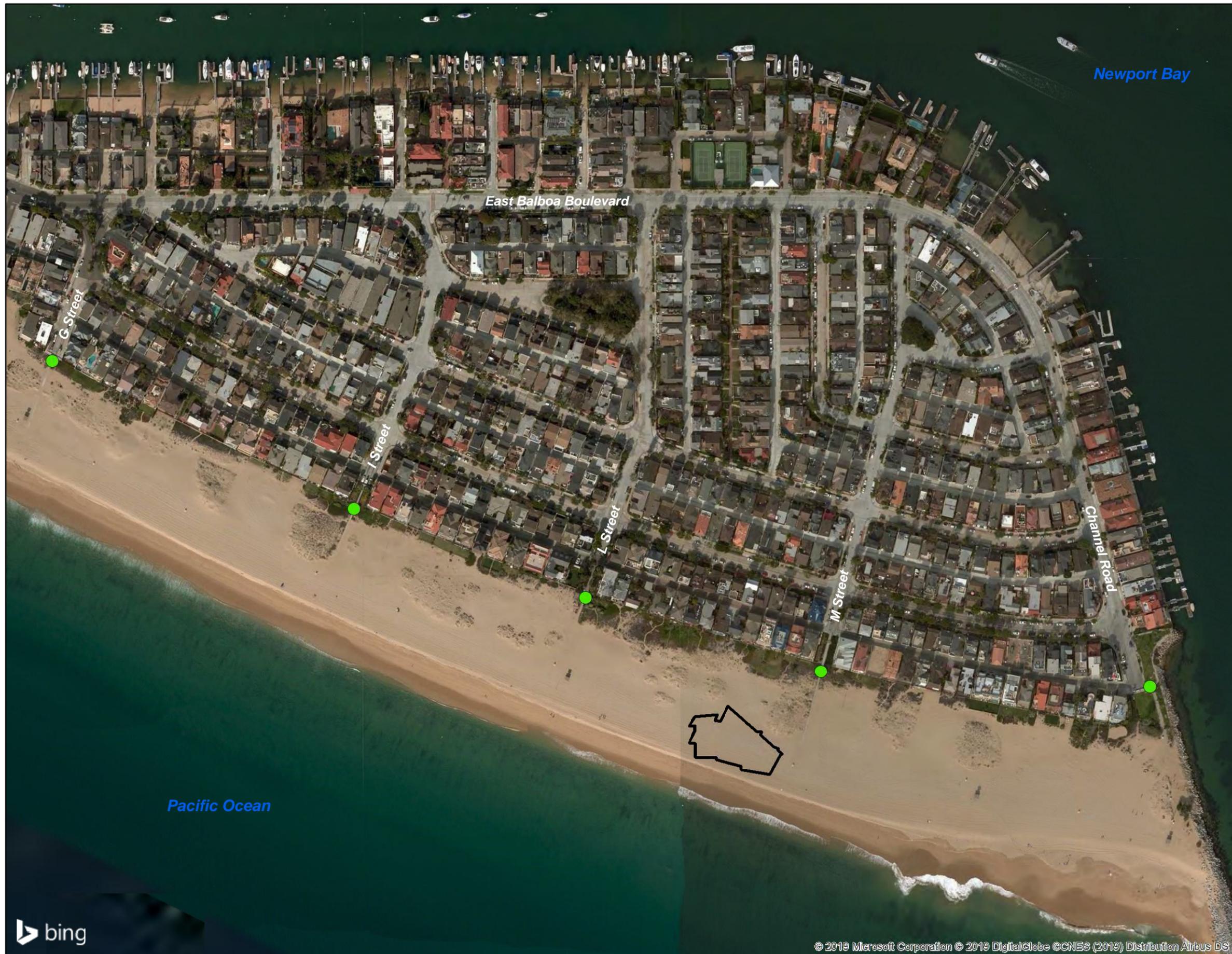


- Western Snowy Plover Critical Habitat Unit 48
- Interpretive Signage
- Educational Signage
- Regulatory Signage
- Regulatory Signage (Seasonal)
- Sidewalk "Icons"

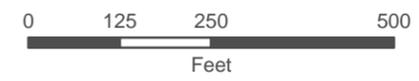


Coordinate System: State Plane 6 NAD 83
 Projection: Lambert Conformal Conic
 Datum: NAD83
 Map Prepared by: B. Gale, GLA
 Date Prepared: May 8, 2019

**WESTERN SNOWY PLOVER
 HABITAT MANAGEMENT PLAN**
 Signage Locations



- Educational
- WSP Roost Areas, 2012-2017



1 inch = 250 feet

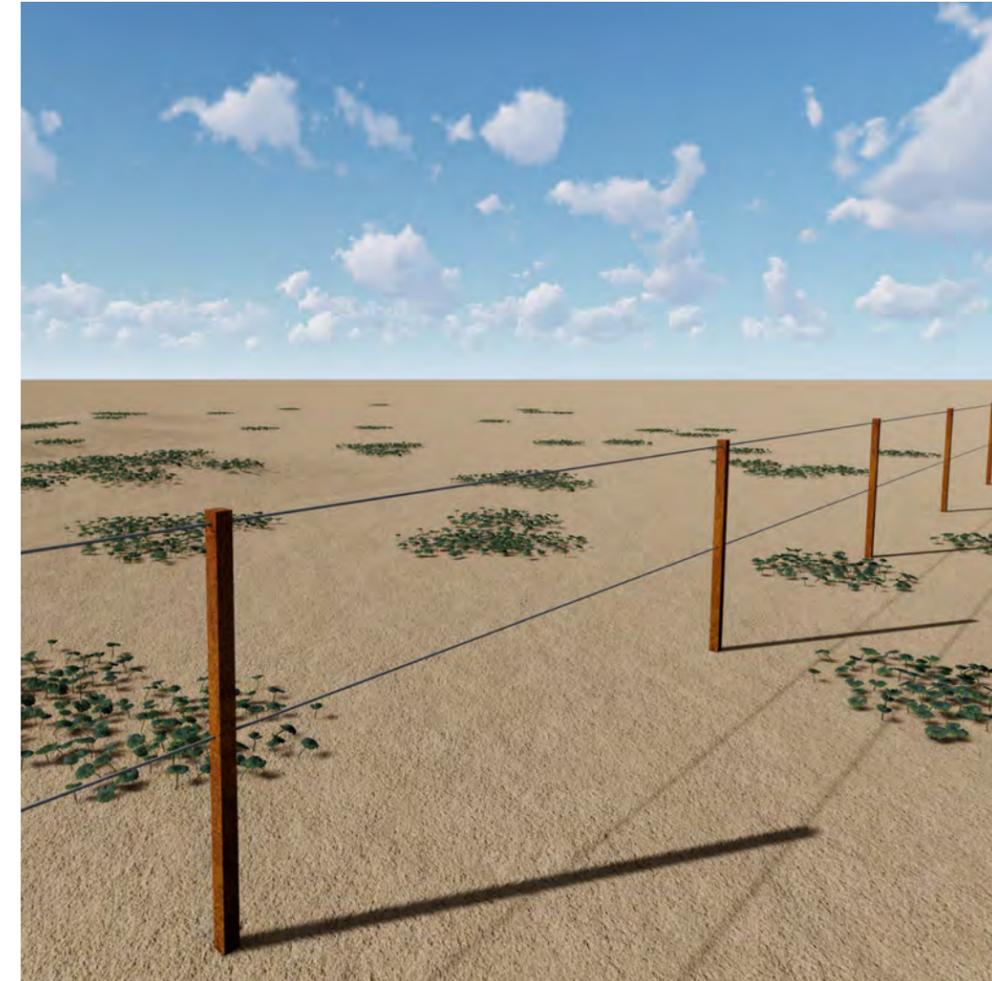
Coordinate System: State Plane 6 NAD 83
 Projection: Lambert Conformal Conic
 Datum: NAD83
 Map Prepared by: B. Gale, GLA
 Date Prepared: May 1, 2019

**WESTERN SNOWY PLOVER
 HABITAT MANAGEMENT PLAN**
 Signage Locations





A-Frame Seasonal Sign



Corten Steel Post/Cable Fence - 18"
(Phase 2 - Only if Necessary)