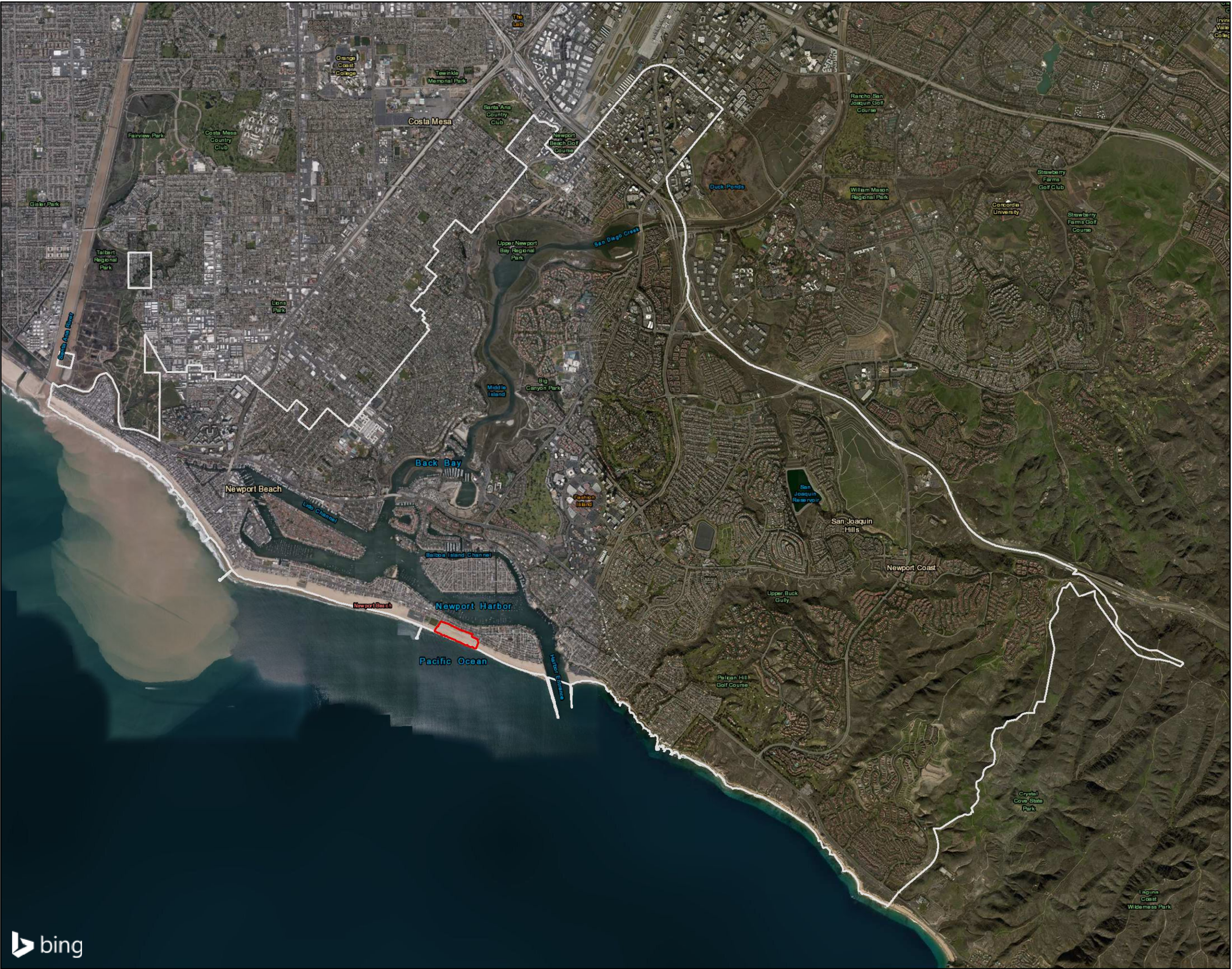
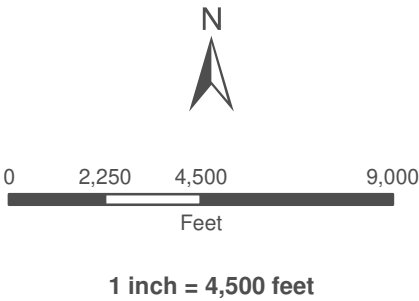




-  Newport Beach City Limits
-  Western Snowy Plover Critical Habitat



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

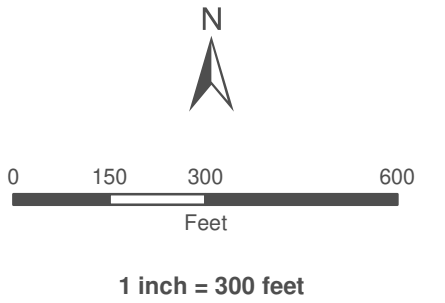
GLENN LUKOS ASSOCIATES

Exhibit 1





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

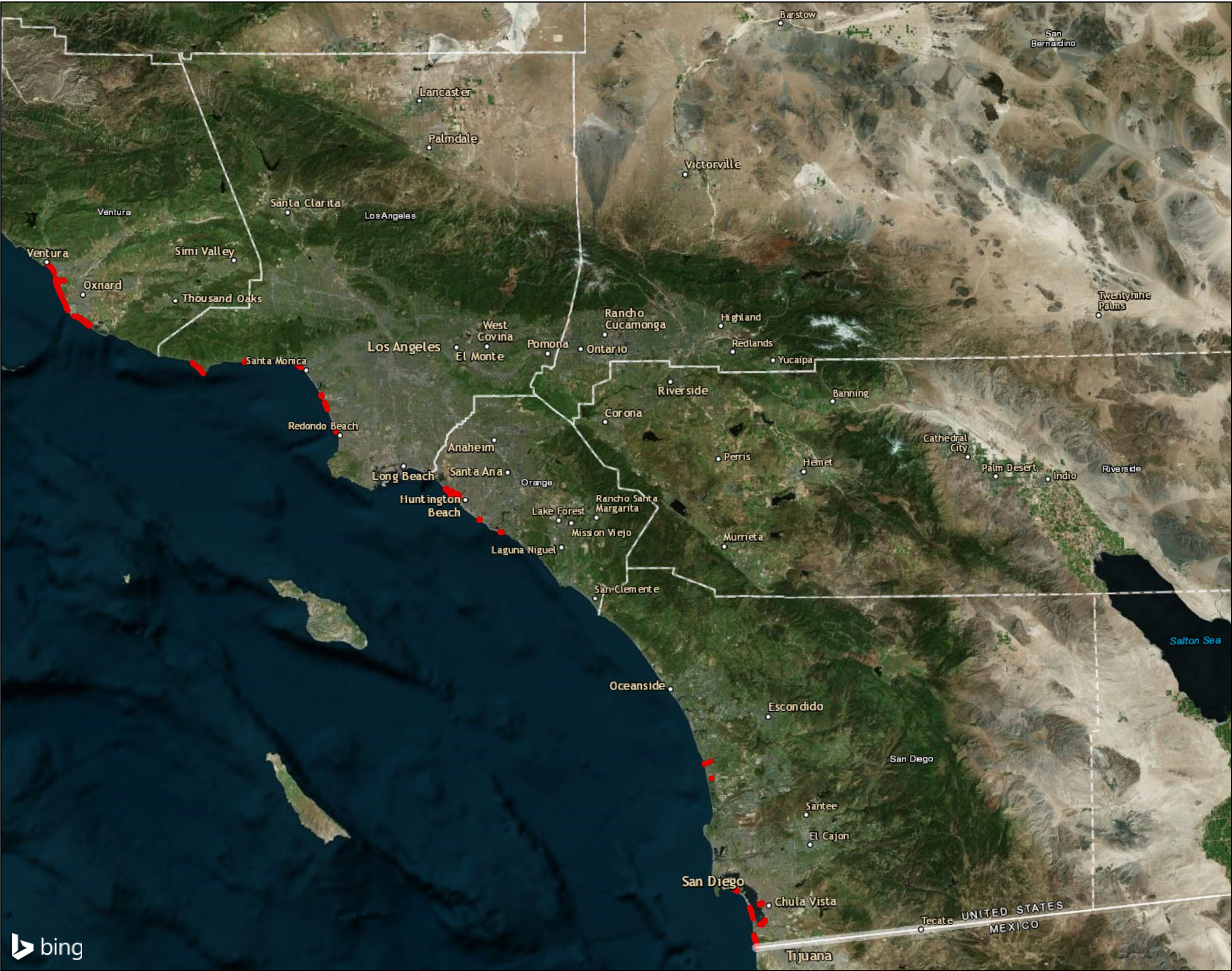


Coordinate System: State Plane 6 NAD 83
 Projection: Lambert Conformal Conic
 Datum: NAD83
 Map Prepared by: B. Gale, GLA
 Date Prepared: January 13, 2020

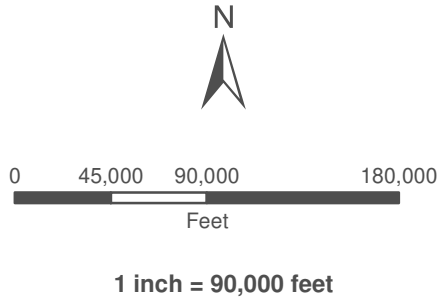
WESTERN SNOWY PLOVER HABITAT MANAGEMENT PLAN

Critical Habitat Boundary





 WSP Critical Habitat Areas
Ventura to San Diego Counties



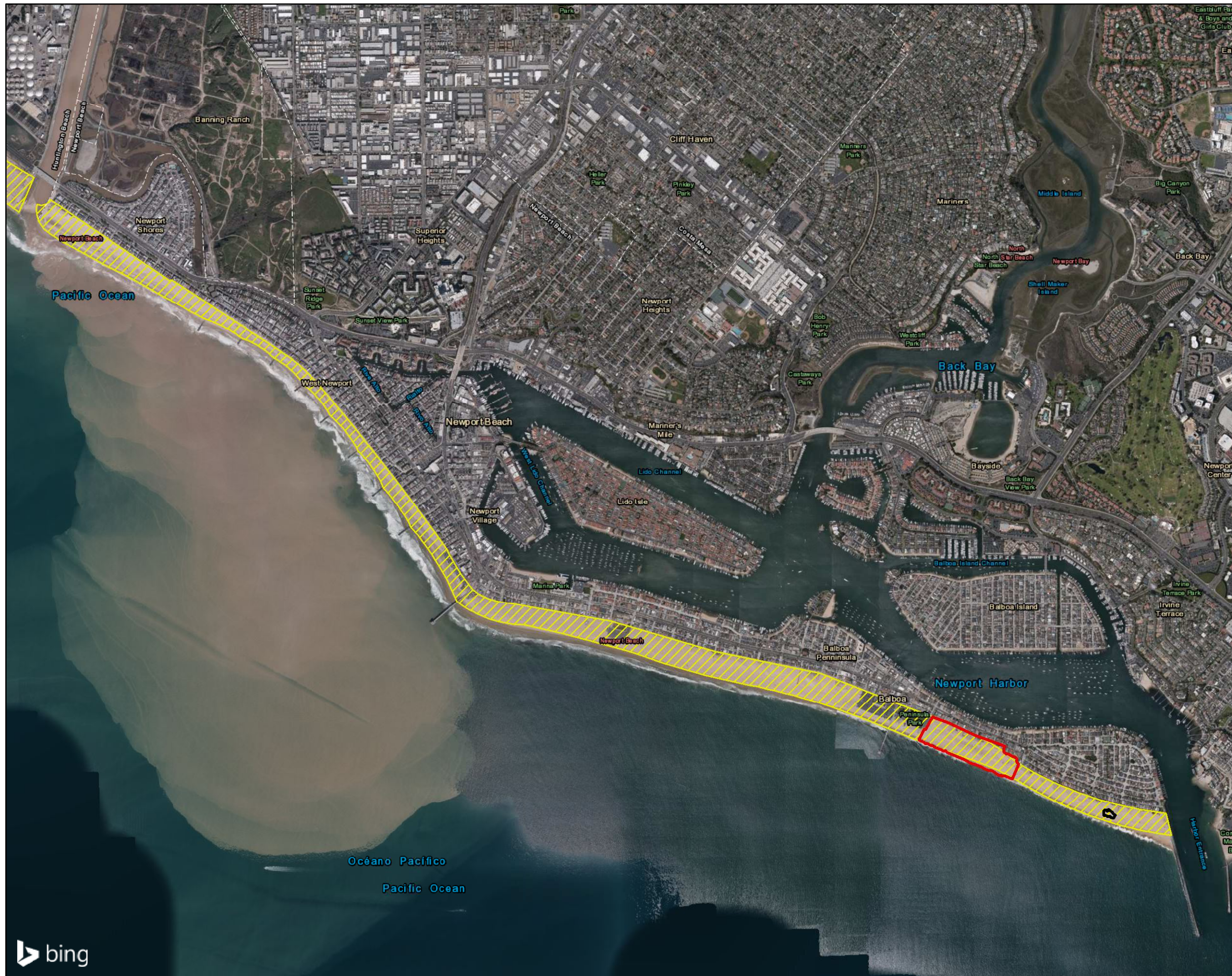
Coordinate System: State Plane 6 NAD 83
Projection: Lambert Conformal Conic
Datum: NAD83
Map Prepared by: B. Gale, GLA
Date Prepared: January 13, 2020

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

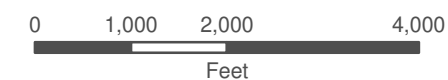
GLENN LUKOS ASSOCIATES



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: January 13, 2020

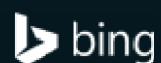
WESTERN SNOWY PLOVER HABITAT MANAGEMENT PLAN

Recovery Unit Map

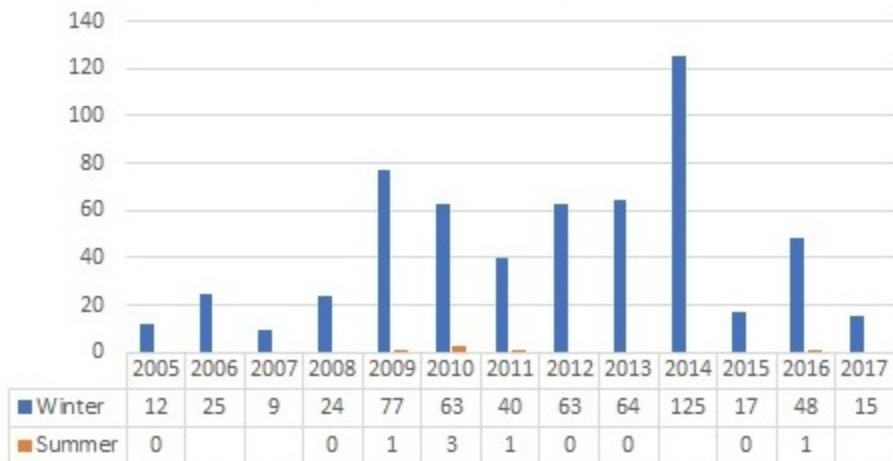
GLENN LUKOS ASSOCIATES



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)

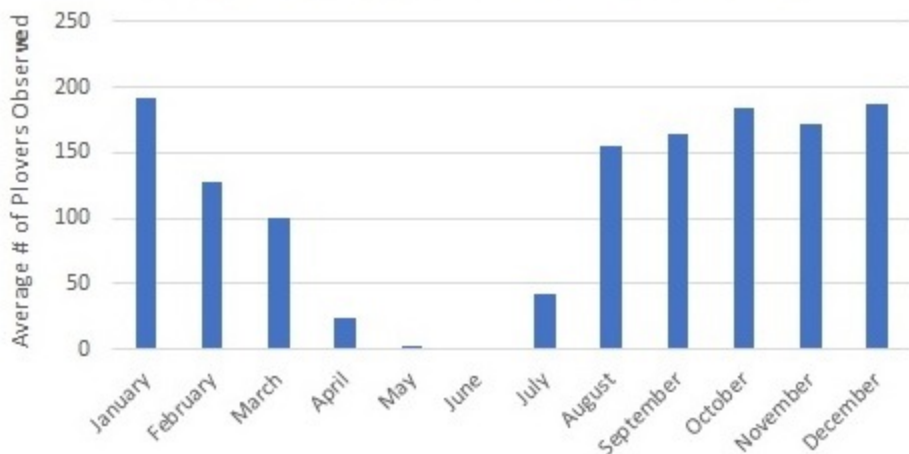


Exhibit 5

Western Snowy Plover Survey Results

Western Snowy Plover Critical Habitat Management Plan for Balboa Peninsula

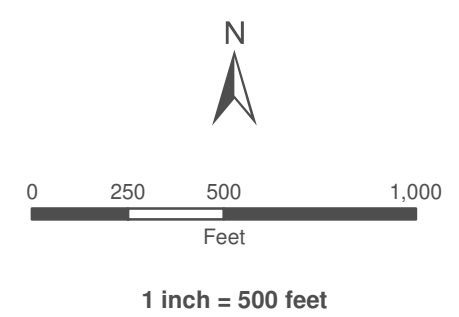
GLENN LUKOS ASSOCIATES

Regulatory Services





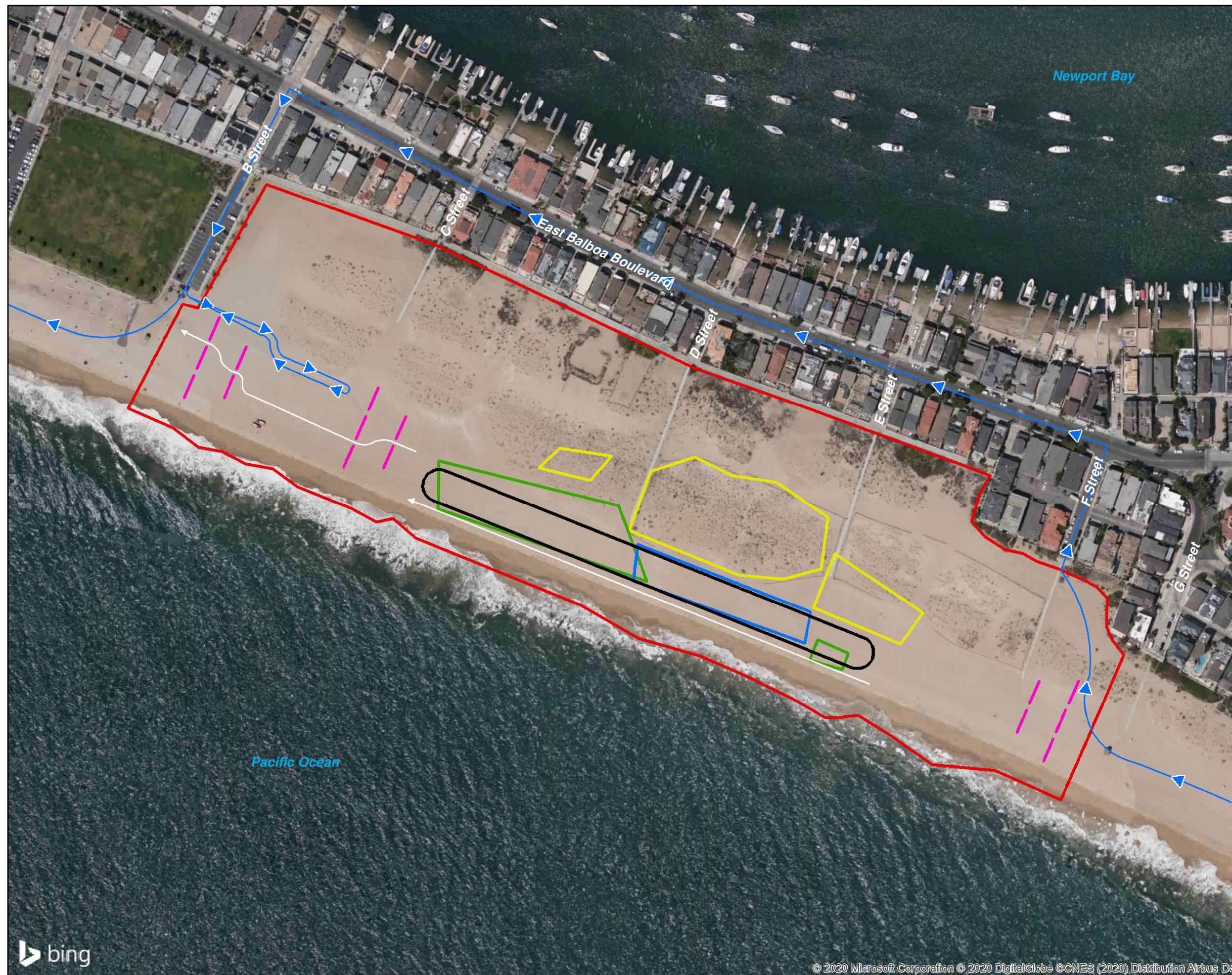
- Western Snowy Plover
Critical Habitat Unit 48
- Snowy Plover Areas**
 - 2019
 - 2016-2017
 - 2015-2016
 - WSP Roost Areas, 2012-2017
- Temporary Fencing Concept 1
- Temporary Fencing Concept 2
- Lifeguard Corridor
- Trash Pickup Route



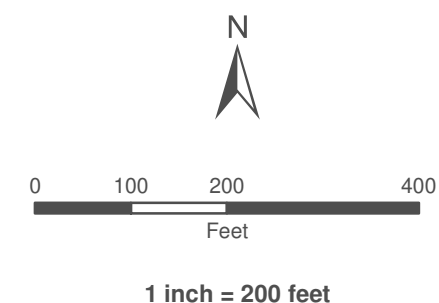
Coordinate System: State Plane 6 NAD 83
Projection: Lambert Conformal Conic
Datum: NAD83
Map Prepared by: B. Gale, GLA
Date Prepared: January 27, 2020

WESTERN SNOWY PLOVER HABITAT MANAGEMENT PLAN

Balboa Beach Roost Map



- 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
- Lifeguard Corridor
- Trash Pickup Route



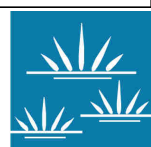
Coordinate System: State Plane 6 NAD 83
Projection: Lambert Conformal Conic
Datum: NAD83
Map Prepared by: B. Gale, GLA
Date Prepared: January 27, 2020

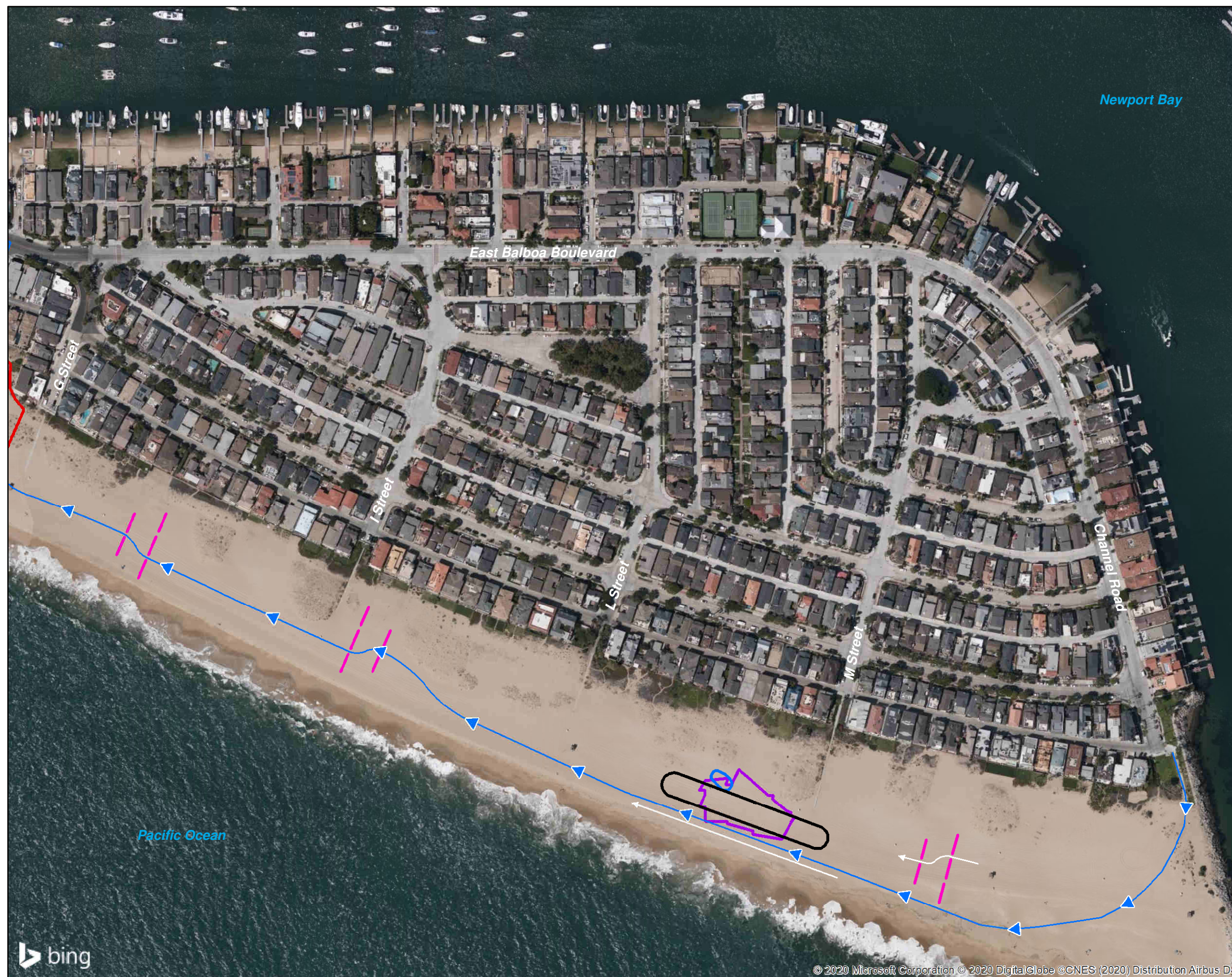
WESTERN SNOWY PLOVER HABITAT MANAGEMENT PLAN

Balboa Beach Roost Map

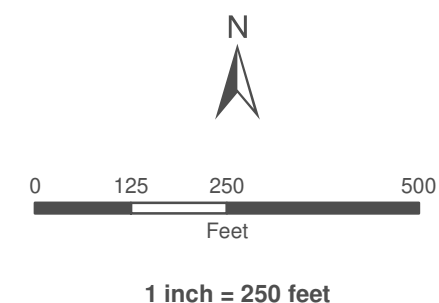
GLENN LUKOS ASSOCIATES

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
- Lifeguard Corridor
- Trash Pickup Route



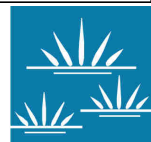
Coordinate System: State Plane 6 NAD 83
Projection: Lambert Conformal Conic
Datum: NAD83
Map Prepared by: B. Gale, GLA
Date Prepared: January 27, 2020

WESTERN SNOWY PLOVER HABITAT MANAGEMENT PLAN

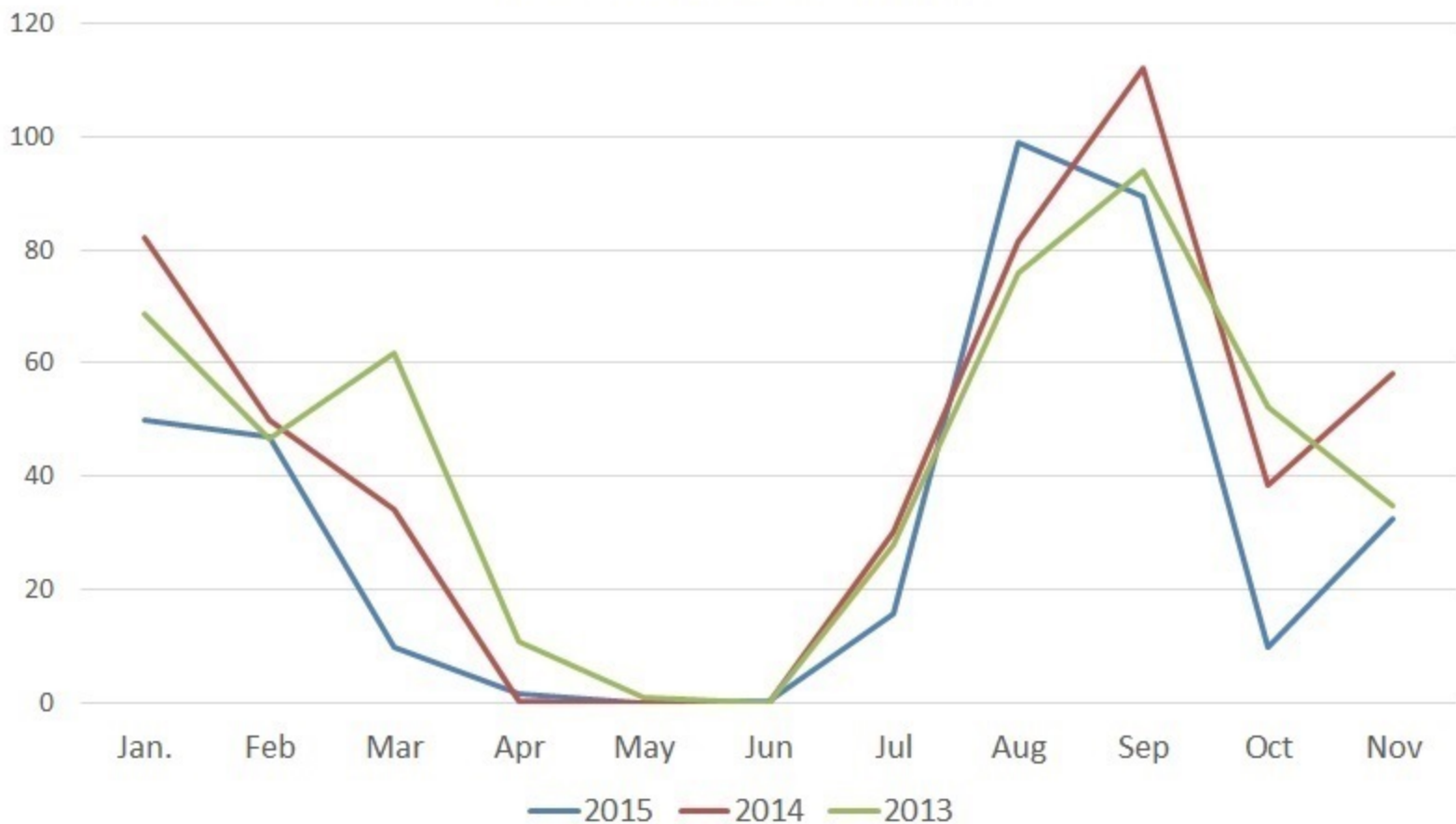
Balboa Beach Roost Map

GLENN LUKOS ASSOCIATES

Exhibit 6B



Mean Roost Size Per Month



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				

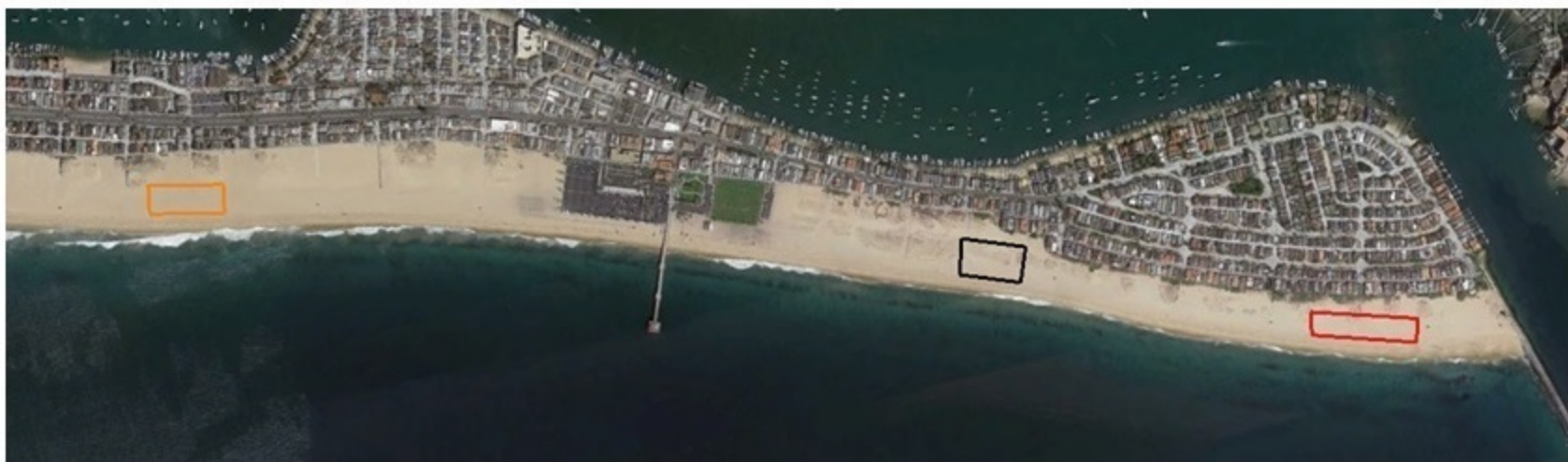
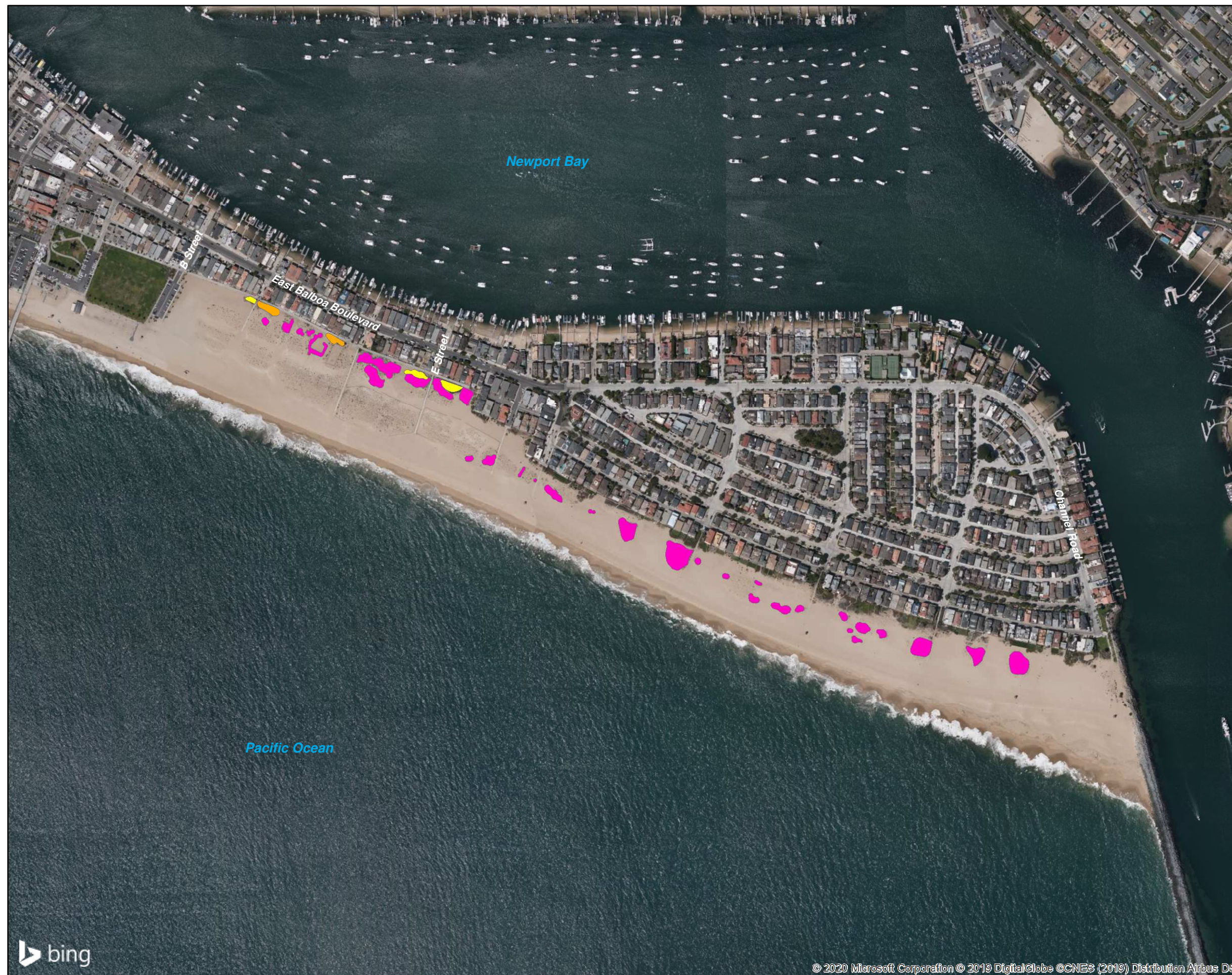
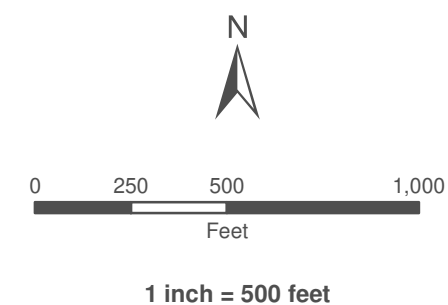


Exhibit 8

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

GLENN LUKOS ASSOCIATES



Exhibit 9