

# Turning Invasive Fuel Loads into Habitat for Endangered Species

**Palos Verdes Peninsula Land  
Conservancy**

**Johnny Perez**  
Stewardship Manager



- Who we are
- How to Identify fire fuel loads
- How we removed large groves of non-native fuel loads
- How we established habitat for endangered species





The mission of the Palos Verdes Peninsula Land Conservancy is to preserve land and restore habitat for the education and enjoyment of all.



# VOLUNTEERS



# EDUCATION



# DEVELOPMENT/COMMUNICATIONS

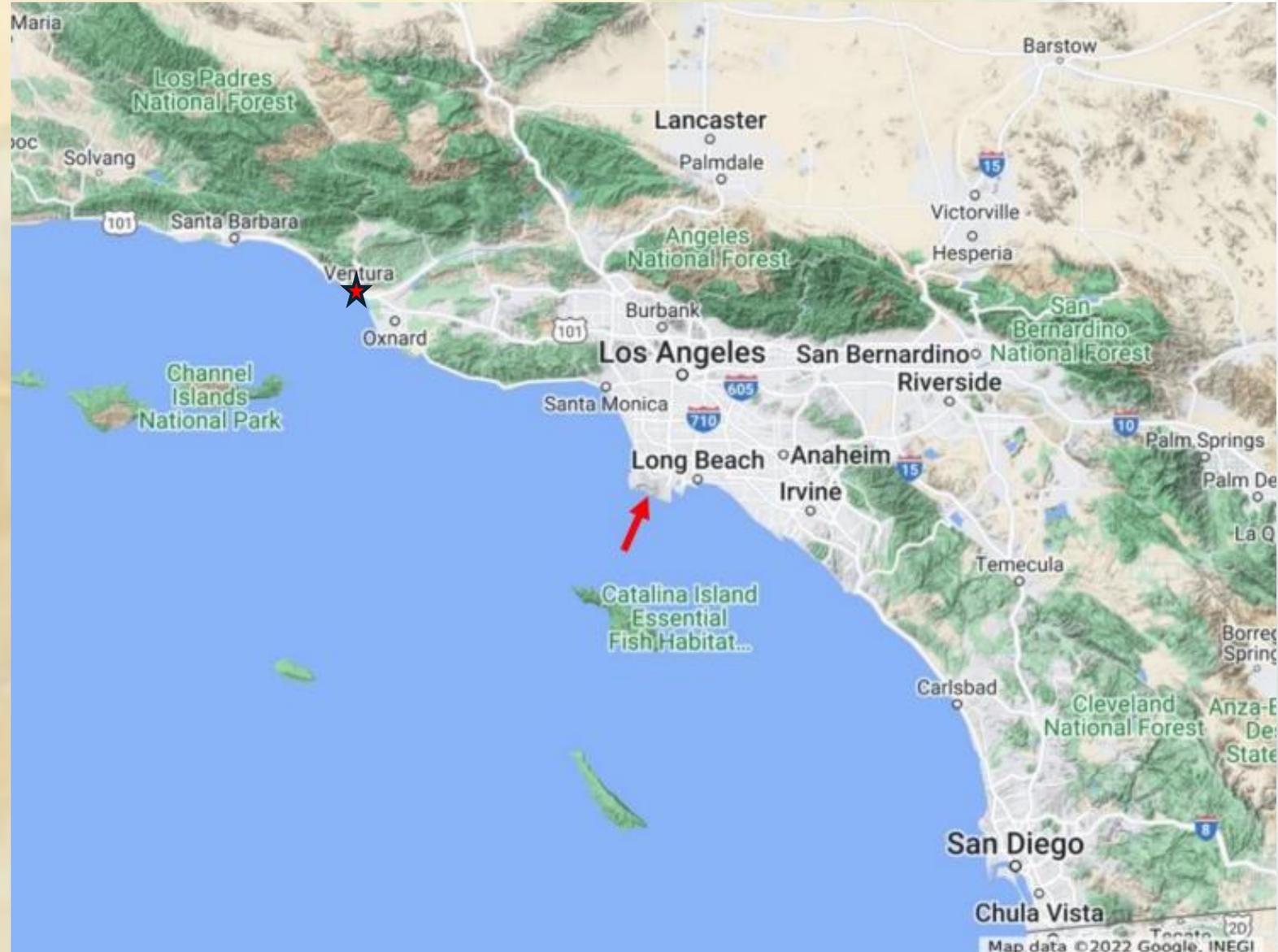


2024

- 23,660 volunteer hours
- 8,961 Nature Center Visitors and Education Program Participants
- Over 350 contributors

**The Palos Verdes Peninsula Land Conservancy protects 1,700 acres of land in four cities on the peninsula**

PALOS VERDES PENINSULA  
LAND CONSERVANCY



- City of Rancho Palos Verdes
- City of Rolling Hills Estates
- City of Rolling Hills
- City of Los Angeles

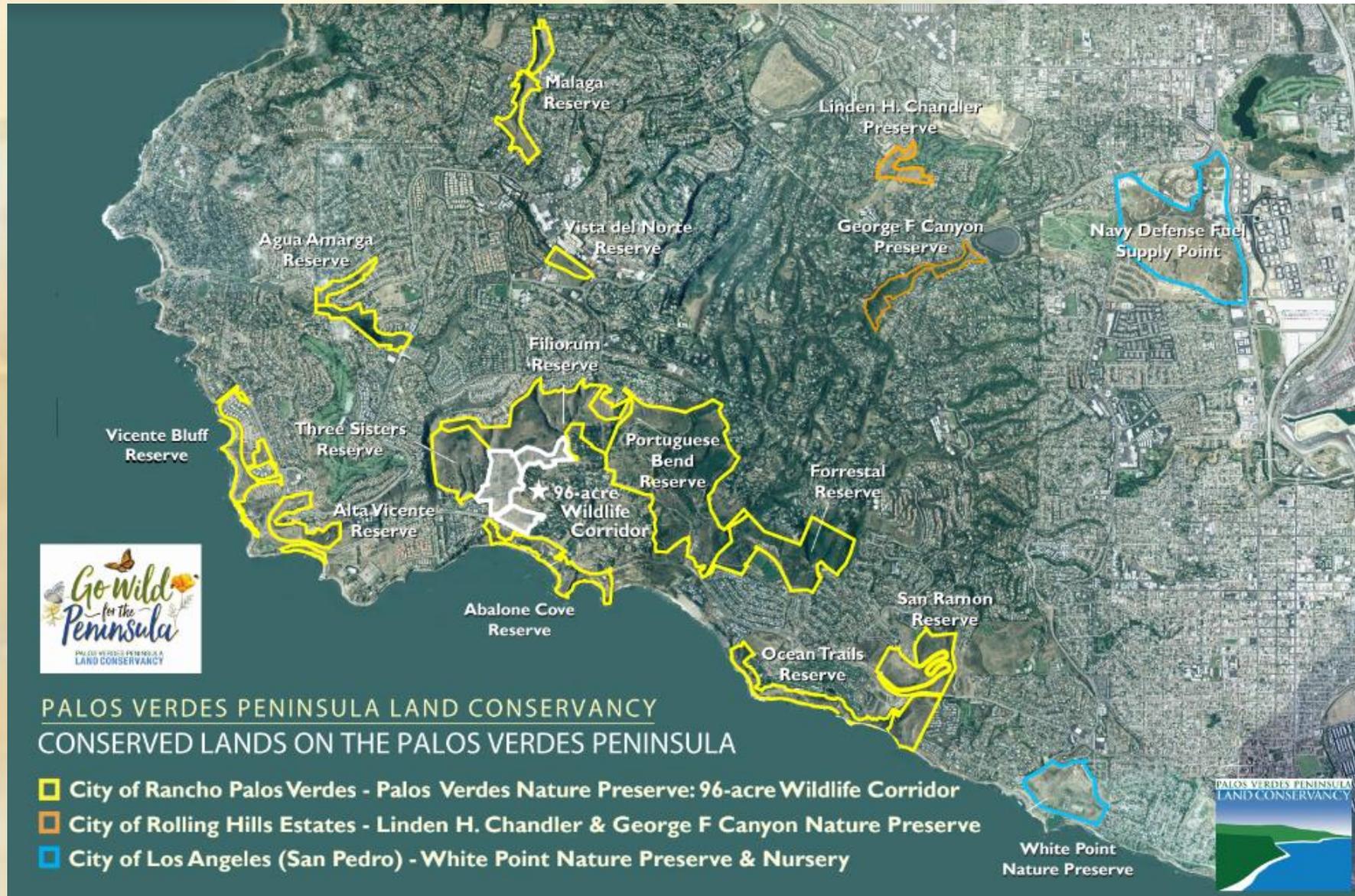






Image U.S. Geological Survey

**May 1994**



**March 2015**



# READY! SET!GO!

YOUR PERSONAL  
WILDFIRE ACTION PLAN



fire.lacounty.gov

"In Los Angeles County, wildfires will always be a natural part of the beautiful state we have chosen to call home. **Wildfires will continue to be fueled by a build-up of dry vegetation** and driven by hot, dry "Santa Ana" winds, making them extremely dangerous and challenging for firefighters to control." -Ready! Set! Go!

Acacia cyclops

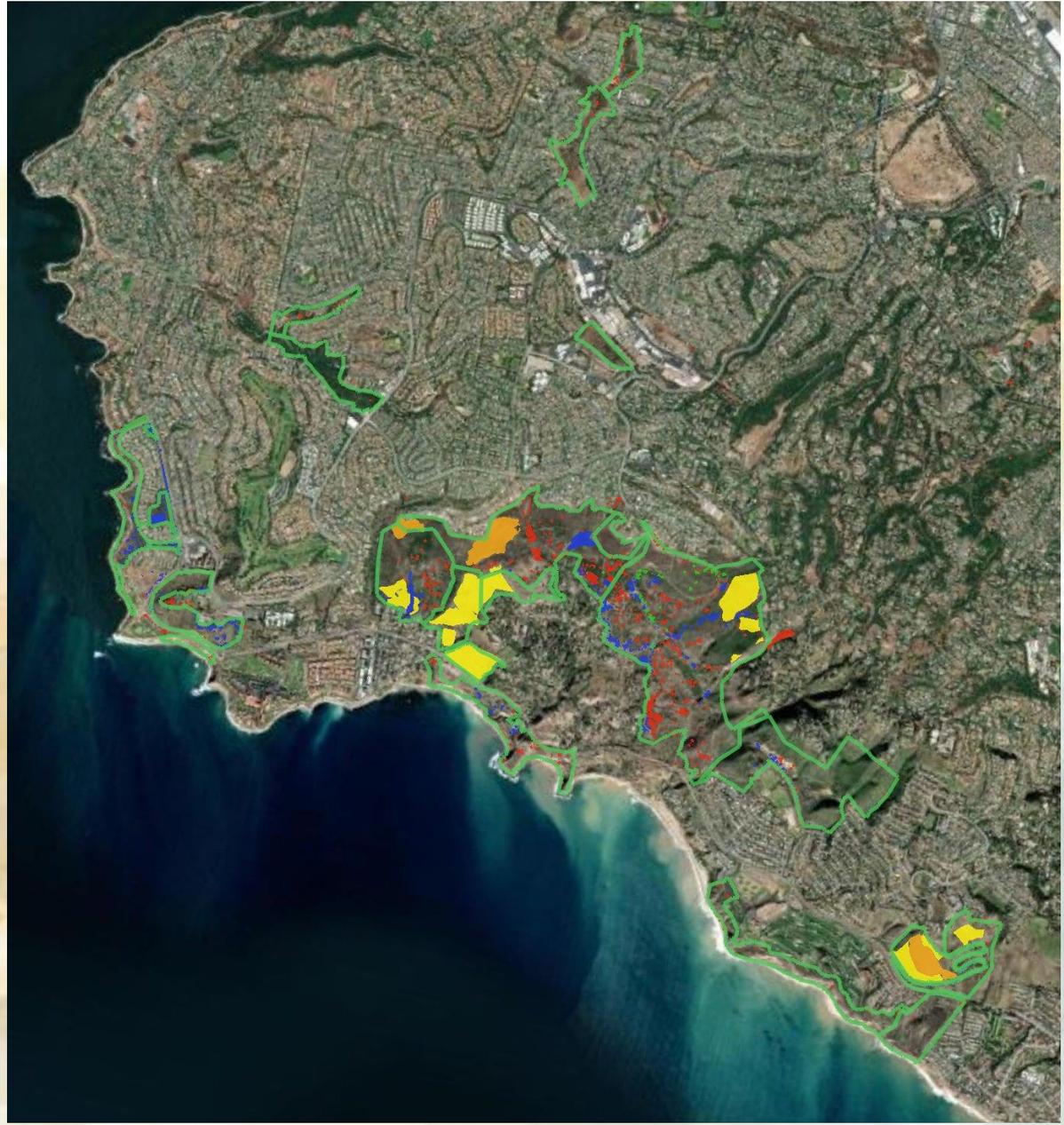


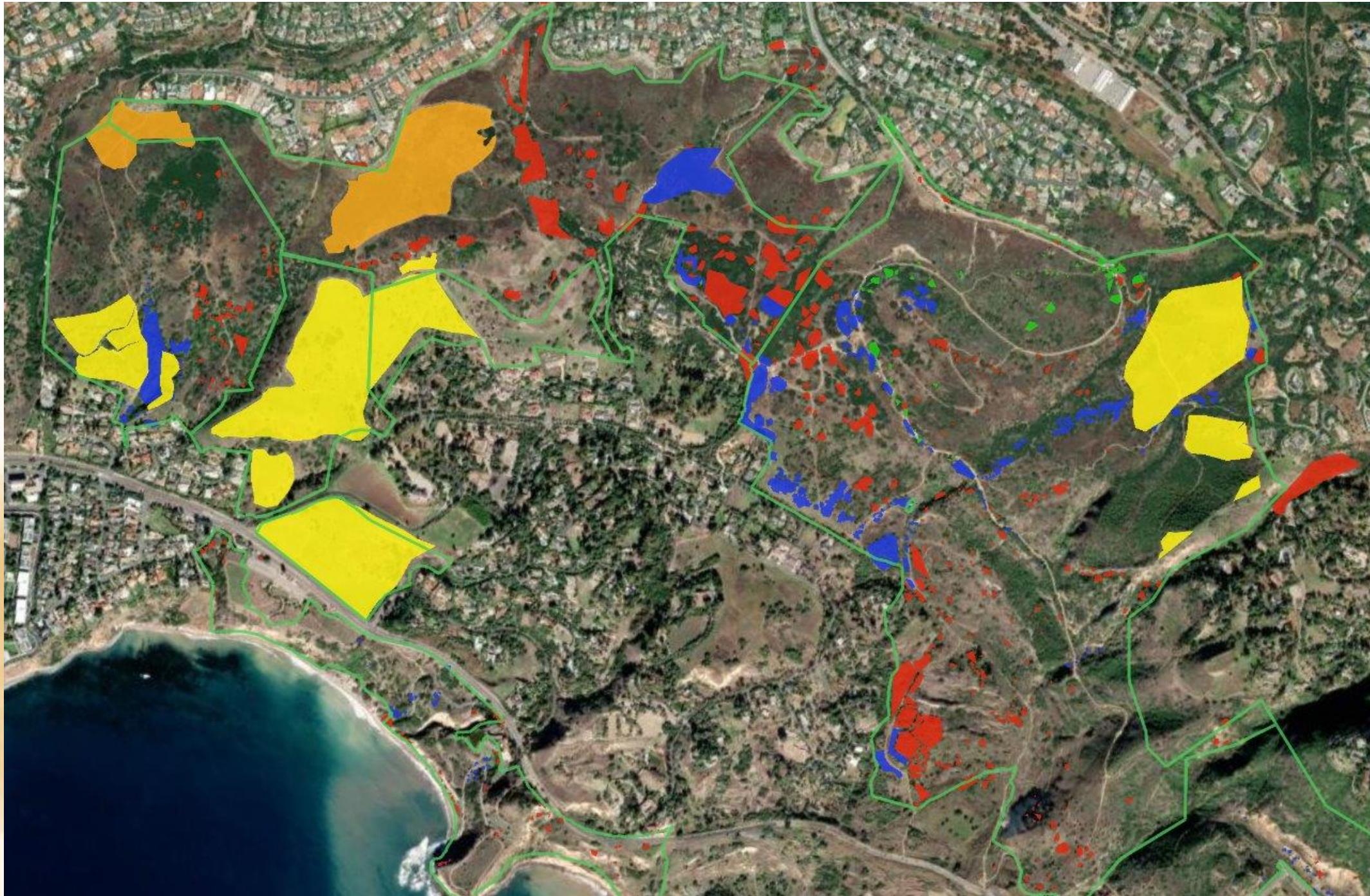
Considered #1 plant of concern LA County Fire Dept.





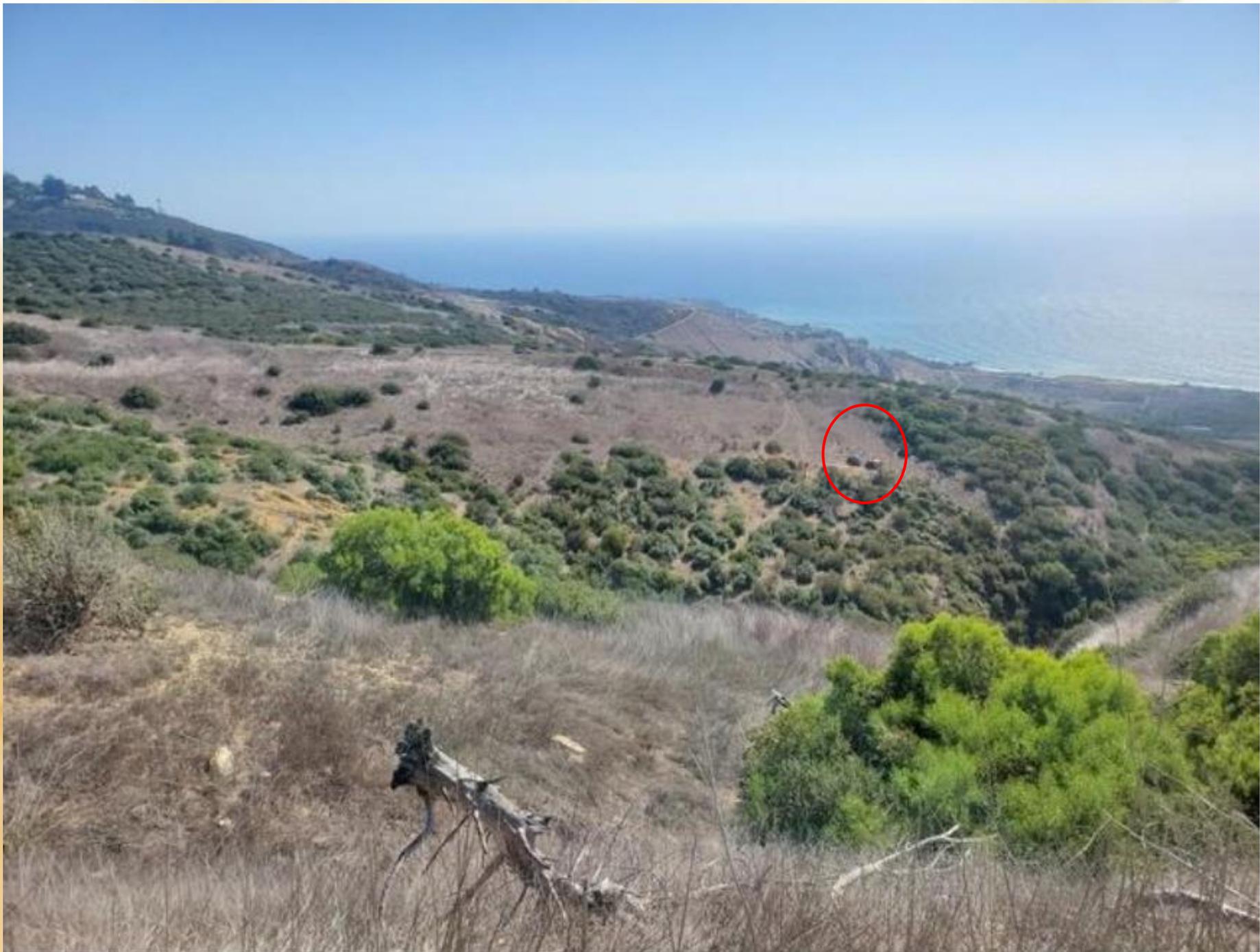
























**Black Mustard**     *Brassica nigra*













Species:	Preserve:	Stand ID:	Stand Size:	No. Individuals:	Treatment Type:	Percent Treated
<i>Euphorbia terracina</i>	Agua Amarga	AA_EuTe_02	600ft-1000ft	200-500	Herbicide	75-100
<i>Euphorbia terracina</i>	Alta Vicente	AV_EuTe_02	>1000ft	>1000	Hand pull	50-75
<i>Acacia cyclops</i>	Filiorum	FI_AcCy_01	>1000ft 1 acre	500-1000	Hand pull	75-100
<i>Acacia cyclops</i>	Filiorum	FI_AcCy_02	>1000ft 1 acre	500-1000	Hand pull	75-100
<i>Acacia cyclops</i>	Filiorum	FI_AcCY_03	>1000ft 3.5 acres	100-200	Hand pull	75-100
<i>Acacia cyclops</i>	Filiorum	FI_AcCy_04	>1000ft 1.5 acres	200-500	Hand pull	75-100
<i>Acacia cyclops</i>	Portuguese Bend	PB_AcCy_26	>1000ft 2.2acres	50-100	Hand pull	75-100
<i>Acacia cyclops</i>	Portuguese Bend	PB_AcCy_28	>1000ft 1.5acre	50-100	Hand pull	75-100
<i>Acacia cyclops</i>	Portuguese Bend	PB_AcCy_29	>1000ft 1.5 Acre	50-100	Hand pull	75-100
<i>Acacia cyclops</i>	Portuguese Bend	PB_AcCy_30	>1000ft 1.5 Acre	>1000	Brush Cut/ Herbicide	75-100
<i>Brassica nigra</i>	Portuguese Bend	PB_BrNi_01	>1000ft 5.5 acres	>1000	Brushcut	75-100
<i>Brassica nigra</i>	Portuguese Bend	PB_BrNi_02	>1000ft 7 Acres	>1000	Brushcut	75-100
<i>Brassica nigra</i>	Portuguese Bend	PB_BrNi_03	>1000ft 5.5 Acres	>1000	Brushcut	75-100
<i>Brassica nigra</i>	Portuguese Bend	PB_BrNi_04	>1000ft 13 Acres	>1000	Mow	75-100
<i>Avena fatua</i>	Portuguese Bend	PB_AvFa_01	1 Acre	>1000	Brushcut	75-100
<i>Avena fatua</i>	Portuguese Bend	PB_AvFa_02	0.5 Acre	>1000	Brushcut	75-100
<i>Brassica nigra</i>	Vicente Bluffs	VB_BrNi_01	2.5 Acres	>1000	Brushcut	75-100
<i>Brassica nigra</i>	Vicente Bluffs	VB_BrNi_02	600ft-1000ft	200-500	Brushcut	75-100

**Restoring  
habitat for  
endangered  
species**

<b>Coastal Cactus Wren</b>	<b>Species of Special Concern(CFW)</b>
<b>California Gnatcatcher</b>	<b>Federally Threatened</b>
<b>El Segundo Blue Butterfly</b>	<b>Federally Endangered</b>
<b>Palos Verdes Blue Butterfly</b>	<b>Federally Endangered</b>



# Container Planting



# Container Planting



# Container Planting

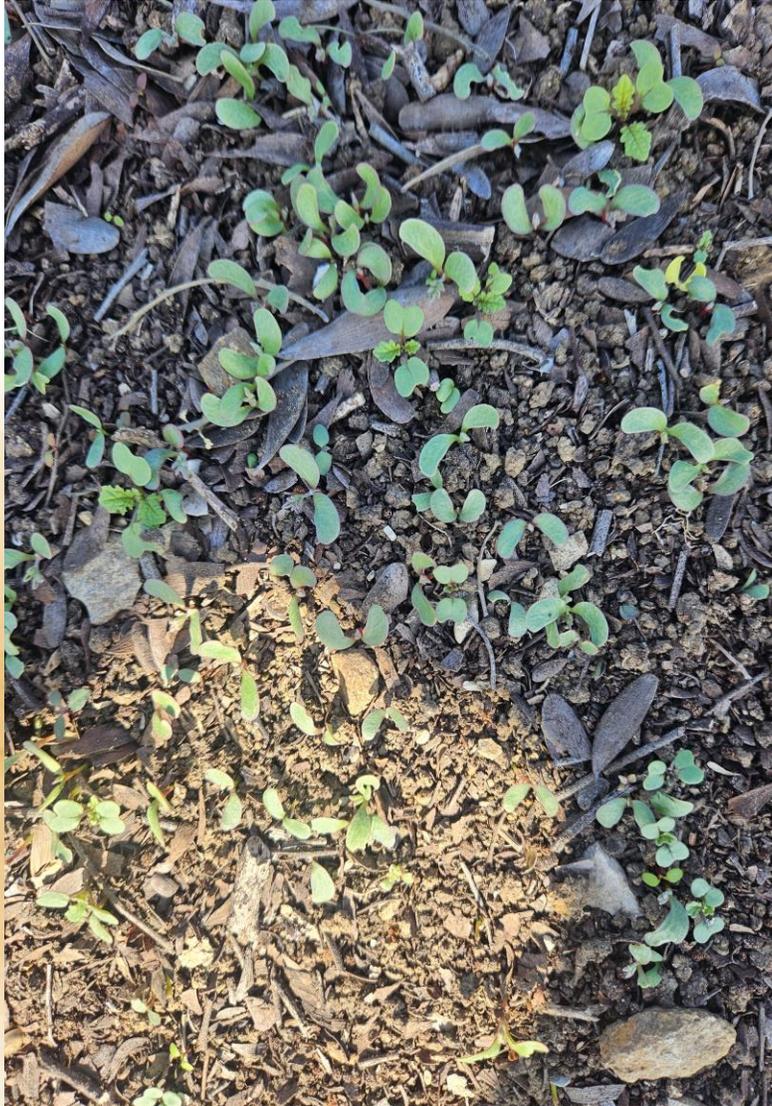




# Hand Seeding



**Rattlepod**



**Dune Buckwheat**











**THANK YOU!**

