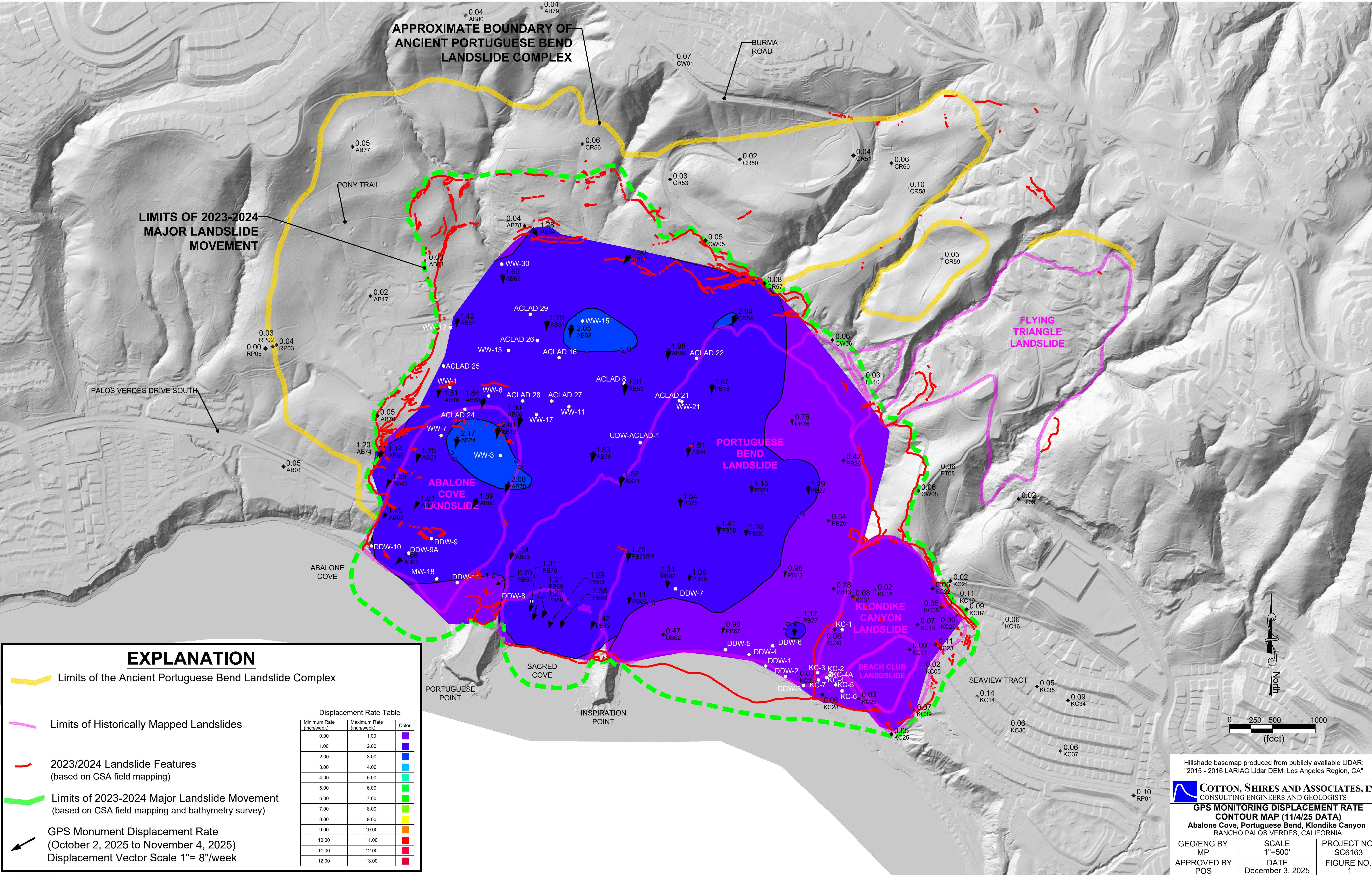




EXPLANATION

Limits of the Ancient Portuguese Bend Landslide Complex

Limits of Historically Mapped Landslides

2023/2024 Landslide Features
(based on CSA field mapping)

Limits of 2023-2024 Major Landslide Movement
(based on CSA field mapping and bathymetry survey)

GPS Monument Displacement Rate
(October 2, 2025 to November 4, 2025)
Displacement Vector Scale 1"= 8"/week

Displacement Rate Table		
Minimum Rate (inch/week)	Maximum Rate (inch/week)	Color
0.00	1.00	0.00 - 1.00
1.00	2.00	1.00 - 2.00
2.00	3.00	2.00 - 3.00
3.00	4.00	3.00 - 4.00
4.00	5.00	4.00 - 5.00
5.00	6.00	5.00 - 6.00
6.00	7.00	6.00 - 7.00
7.00	8.00	7.00 - 8.00
8.00	9.00	8.00 - 9.00
9.00	10.00	9.00 - 10.00
10.00	11.00	10.00 - 11.00
11.00	12.00	11.00 - 12.00
12.00	13.00	12.00 - 13.00

Hillshade basemap produced from publicly available LiDAR:
"2015 - 2016 LARIAC Lidar DEM: Los Angeles Region, CA"

COTTON, SHIRES AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND GEOLOGISTS

**GPS MONITORING DISPLACEMENT RATE
CONTOUR MAP (11/4/25 DATA)**
Abalone Cove, Portuguese Bend, Klondike Canyon
RANCHO PALOS VERDES, CALIFORNIA

GEO/ENG BY MP	SCALE 1"=500'	PROJECT NO. SC6163
APPROVED BY POS	DATE December 3, 2025	FIGURE NO. 1