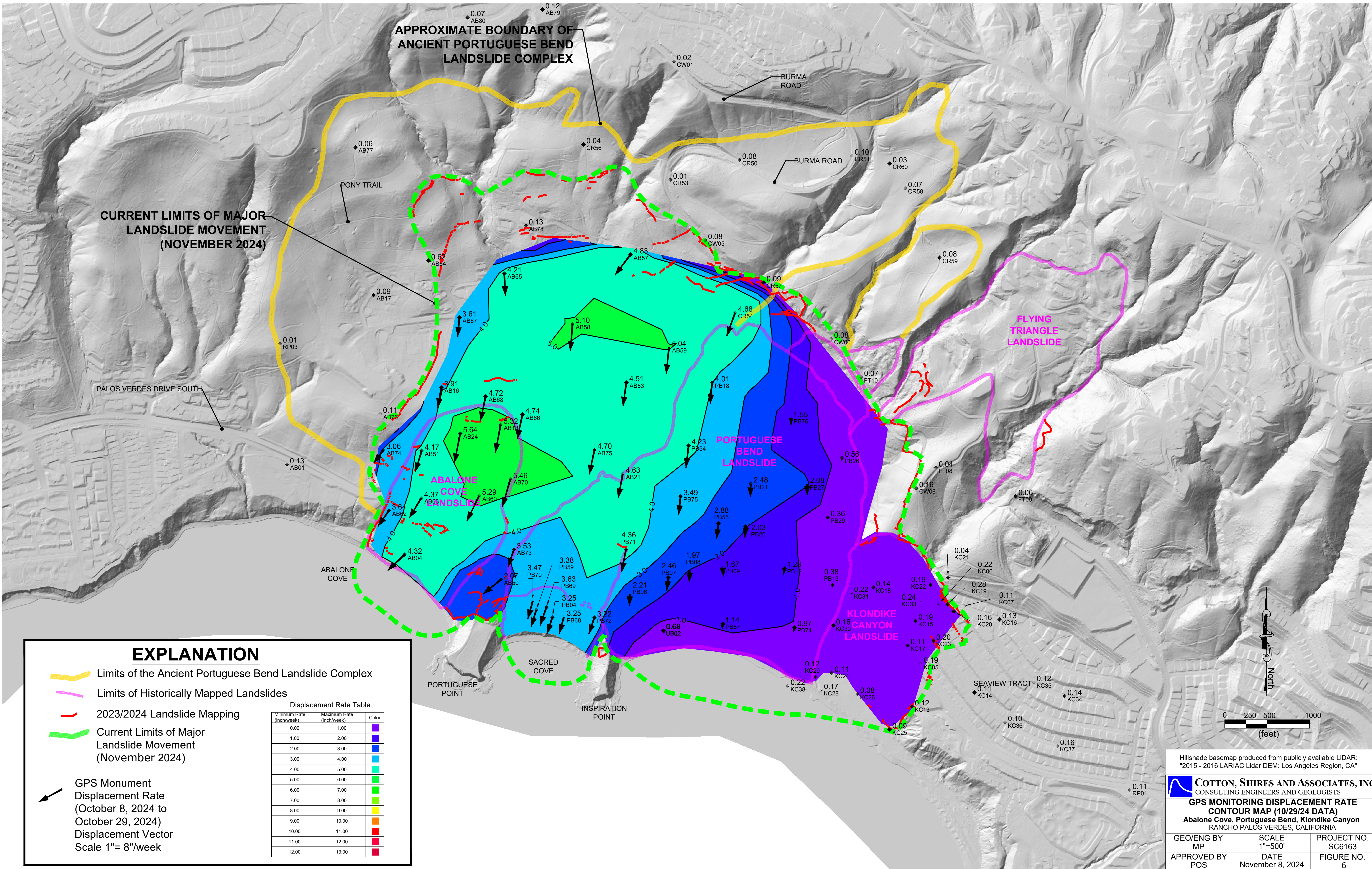




CURRENT LIMITS OF MAJOR
LANDSLIDE MOVEMENT
(NOVEMBER 2024)

APPROXIMATE BOUNDARY OF
ANCIENT PORTUGUESE BEND
LANDSLIDE COMPLEX

FLYING
TRIANGLE
LANDSLIDE

PORTUGUESE
BEND
LANDSLIDE

ABALONE
COVE
LANDSLIDE

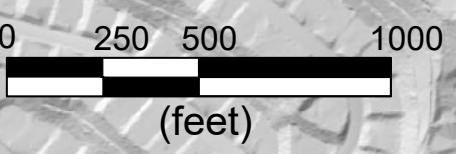
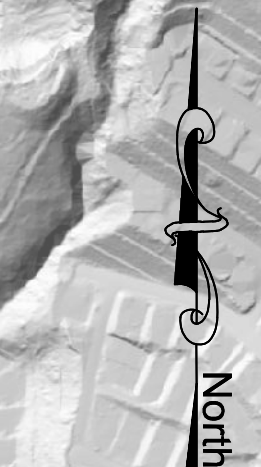
KLONDIKE
CANYON
LANDSLIDE

EXPLANATION

- Limits of the Ancient Portuguese Bend Landslide Complex
- Limits of Historically Mapped Landslides
- 2023/2024 Landslide Mapping
- Current Limits of Major Landslide Movement (November 2024)

GPS Monument
Displacement Rate
(October 8, 2024 to
October 29, 2024)
Displacement Vector
Scale 1"= 8"/week

Displacement Rate Table		
Minimum Rate (inch/week)	Maximum Rate (inch/week)	Color
0.00	1.00	Purple
1.00	2.00	Dark Blue
2.00	3.00	Blue
3.00	4.00	Cyan
4.00	5.00	Light Green
5.00	6.00	Green
6.00	7.00	Light Green
7.00	8.00	Yellow-Green
8.00	9.00	Yellow
9.00	10.00	Orange
10.00	11.00	Red-Orange
11.00	12.00	Red
12.00	13.00	Dark Red



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 (10/29/24 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 November 8, 2024	FIGURE NO. 6