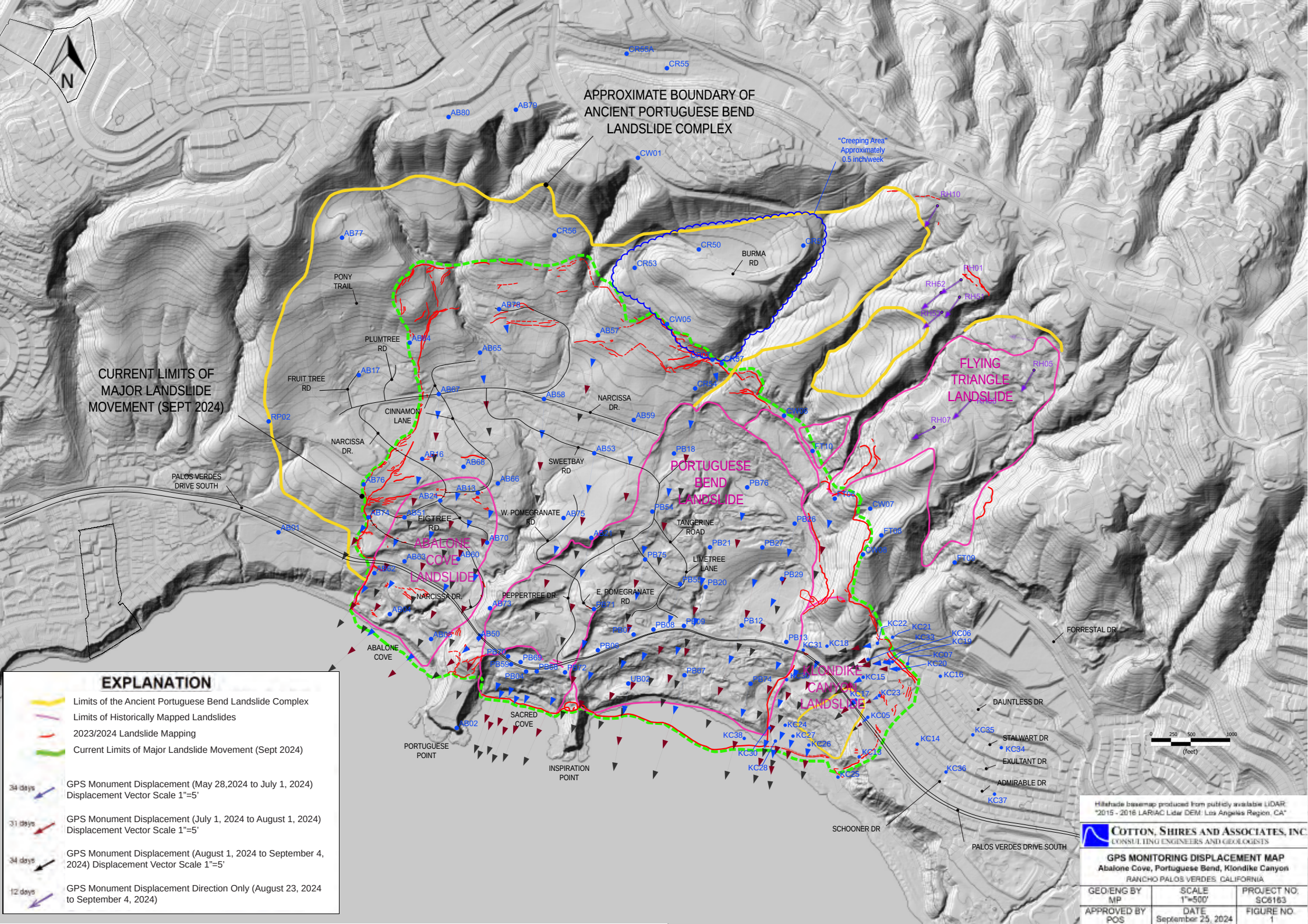




APPROXIMATE BOUNDARY OF
ANCIENT PORTUGUESE BEND
LANDSLIDE COMPLEX

"Creeping Area"
Approximately
0.5 inch/week

CURRENT LIMITS OF
MAJOR LANDSLIDE
MOVEMENT (SEPT 2024)

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 (Sept 2024)

- GPS Monument Displacement (May 28, 2024 to July 1, 2024)
Displacement Vector Scale 1"=5'
- GPS Monument Displacement (July 1, 2024 to August 1, 2024)
Displacement Vector Scale 1"=5'
- GPS Monument Displacement (August 1, 2024 to September 4, 2024)
Displacement Vector Scale 1"=5'
- GPS Monument Displacement Direction Only (August 23, 2024 to September 4, 2024)

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 MAP
Abalone Cove, Portuguese Bend, Klondike Canyon
RANCHO PALOS VERDES, CALIFORNIA

GEO/ENG BY MP	SCALE 1"=500'	PROJECT NO. SC8163
APPROVED BY POS	DATE September 25, 2024	FIGURE NO. 1