



Lidar Survey of Dangermond Preserve, CA

The Jack and Laura Dangermond Preserve

In 2018, the Nature Conservancy established the Jack and Laura Dangermond Preserve, a 24,364 acre property around Point Conception, California. The Preserve protects over eight miles of near-pristine coastline and rare connected coastal habitat in Santa Barbara County. The land is noted to be in tremendous ecological condition and features a confluence of ecological, historical, and cultural values across Native American, Spanish and American histories that have co-evolved for millennia. The area is also home to at least 39 species of threatened or special status. The Preserve will serve as a natural laboratory, not only for studying its biodiversity and unique habitats, but also as a place where GIS can be used to study, manage, and protect its unique qualities. Soon after the Preserve was established, Aeroptic, LLC, an aerial imagery company, worked with The Nature Conservancy and ESRI to capture aerial lidar and natural color orthomosaic imagery over the Preserve.

Lidar Information

File format: LAZ

File count: 132

Horizontal Coordinate System: UTM 11N (EPSG:32611)

Vertical Coordinate System: NAVD88 (EPSG:5703)

Area: 129.13 km²

Raster Information

Digital Surface Model (DSM)

File Format: Cloud Optimized Geotiff

Pixel Size: 2.0 m/pixel

Contact Information

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Jack and Laura Dangermond Preserve

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