Topography in the park ranges from the relatively flat Lasky Mesa, to gentle slopes and rolling hills, riparian stream corridors, and to the rugged rocklands at the northern boundary of the property. Elevation ranges from 869 to 1,842 feet.

**Sensitive Habitat Types**

- Native Perennial Grassland and Valley Oak Savannah
- Coast Live Oak Woodland or Coastal Sage Scrub
- Valley Oak Savannah
- Willow Riparian Woodland

Two plant communities, Southern Coast Live Oak Riparian Forest and Southern Willow Scrub, make up the 20.3 miles of riparian corridors in the park. These riparian corridors contain year-round surface water and springs. A few sections of sensitive upland habitat types within the park include Coast Live Oak and Valley Oak Woodland, California Walnut Woodland, Venturan Coastal Sage Scrub, and Purple Needlegrass Grassland. The north slope of Lasky Mesa in East Las Virgenes Canyon supports the second largest and most ecologically diverse native grasslands in the Santa Monica Mountains, Simi Hills, and Santa Susana Mountains. These sensitive habitat types provide high quality nesting habitat for fifteen species of raptors.