This shaded-relief bathymetry map of the Offshore of Carpinteria map area in southern California was created using bathymetric and topographic data collected by the U.S. Geological Survey (USGS) and California State University, Monterey Bay (CSUMB). The map covers the area from 34°20' to 34°25' latitude and 119°35' to 119°40' longitude. Bathymetric contours are shown at a 10-meter interval, with soundings transformed to the North American Vertical Datum of 1988 (NAVD 1988). The map also includes areas near shoreline not mapped owing to insufficient high-resolution multibeam-echosounder and bathymetric-sidescan surveys.

EXPLANATION
- Areas near shoreline not mapped owing to insufficient high-resolution multibeam-echosounder and bathymetric-sidescan surveys.
- Soundings returned samples were projected to the seafloor using a ray-tracing algorithm.
- Variations in water-column sound-velocity and compensation errors were corrected for vessel motion.
- Error bars and proportions may not be true on plots of this map.
- Map Santa Barbara Channel

Map was created by applying illumination (azimuth of 300° and elevation of 45°) to the bathymetry data collected by USGS and CSUMB. The resulting shaded-relief map provides a visual representation of the seafloor topography and helps in understanding the bathymetric features of the area.

References:

Acknowledgments:
More detailed information about the data collection and processing can be found in the Scientific Investigations Map 3261, which is available at the USGS website. The map was created using GIS and digital cartography by Nadine Golden and Eleyne Phillips at the University of California, Santa Barbara; and Peter Dartnell and Guy Cochrane at California State University, Monterey Bay.