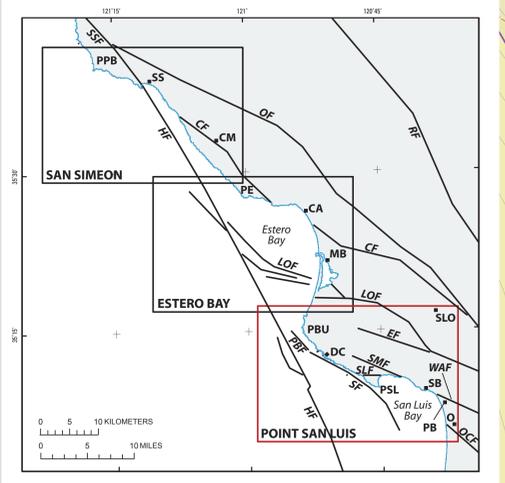


CORRELATION OF MAP UNITS. A stratigraphic column showing the correlation of map units (e.g., af, Qms, Qmsf, Qmsc, Qmsh, Qmsl, Qm, Qmp, Qmtr) with geological time periods: Quaternary, Tertiary (Pliocene, Miocene), and Mesozoic (Cretaceous, Jurassic).

DESCRIPTION OF MAP UNITS. A list of map units with their descriptions. Examples include: af Artificial fill (Holocene); Qms Marine nearshore and shelf deposits (Holocene); Qmsf Fine-grained marine nearshore and shelf deposits (Holocene); Qmsc Marine shelf sorted bedforms (Holocene); Qmsh Marine shelf hummocky deposits (Holocene); Qmsl Marine slope deposits (Holocene); Qm Marine pockmarks (Holocene); Qmp Marine fill (Holocene); Qmtr Pismo Formation, Miguelito Member (Pliocene and late Miocene); Tm Monterey Formation, undivided (Miocene); Tmshc Shale subunit (late and middle Miocene); Tmshc Obispo Formation, undivided (Miocene); Tod Diabase and basalt subunit (Miocene); Tor Resistant tuff subunit (Miocene); Tof Vitric tuff subunit (Miocene); Ksf Franciscan Complex (Cretaceous and Jurassic); Jb Coast Range ophiolite (Jurassic).

EXPLANATION OF MAP SYMBOLS. A list of symbols used on the map: Contact (solid line); Fault (effthory) (solid, dashed, dotted lines); Fault (embary) (solid, dashed, dotted lines); Folds (solid, dashed, dotted lines); Antiform (pink line); Synform (pink line); Shelf break (dashed line); Boundary of multibeam-bathymetry survey (purple line); Area of "no data" (grey area).

REFERENCES CITED. A list of references including: Friday, D.Z., Taylor, L.A., Eakins, B.W., Carignan, K.S., Grotche, P.R., Lim, E., and Love, M.R., 2011. Digital elevation models of Port San Luis, California; Hartwell, S.R., Fontaine, D.P., Darnell, P., and Johnson, S.Y., 2013. Bathymetry and acoustic backscatter—Estero Bay, California; Hall, C.A., 1976. Geologic map of the San Simón-Pedras Blancas region, San Luis Obispo County, California; USGS, 2011. U.S. coastal relief model, v. 4—Southern California.



INDEX MAP SHOWING AREAS OF SHEETS 5 AND 6 (POINT SAN LUIS), OUTLINED IN RED, IN RELATION TO AREAS OF SHEETS 1 AND 2 (SAN SIMON AND 3 AND 4 (ESTERO BAY). FAULT ABBREVIATIONS: CF, CAMBRIA FAULT; EF, EDNA FAULT; HF, HOSGRI FAULT; LOF, LOS OSOS FAULT; OCF, OCEANO FAULT; PBF, POINT BUCHON FAULT; RF, RINCONADA FAULT; SF, SHORELINE FAULT; SLF, SAN LUIS BAY FAULT; SMF, SAN MIGUELITO FAULT; SSF, SAN SIMON FAULT; WAF, WILMAR AVENUE FAULT. OTHER ABBREVIATIONS: CA, CAMBRIA; DC, DIABLO CANYON POWER PLANT; MB, MORRO BAY; O, OCEANO; PB, PISMO BEACH; PBU, POINT BUCHON; PE, POINT ESTERO; PPB, POINT PIEDRAS BLANCAS; PSL, POINT SAN LUIS; SB, SHELL BEACH; SLO, SAN LUIS OBISPO; SS, SAN SIMON.

Bathymetric shaded-relief imagery 100x vertical exaggeration from gridded multibeam bathymetry acquired, processed, archived, and distributed by California State University, Monterey Bay, Seafloor Mapping Lab (CSUMBL) and by U.S. Geological Survey (Watt and others, 2015). Bathymetric contours derived from gridded multibeam bathymetry (CSUMBL, 10 arc-second NOAA Terrain Elevation Data (P-Play) and others, 2011), and region 3 arc-second NOAA DEM (National Oceanic and Atmospheric Administration National Geophysical Data Center, 2011). Elevation data from U.S. Geological Survey National Elevation Database (10 arc-second), San Luis Obispo, California, 2011. Universal Transverse Mercator projection, Zone 10N.

NOT INTENDED FOR NAVIGATIONAL USE



# Offshore Geology and Geomorphology of Point San Luis Map Area

## Offshore Geology and Geomorphology from Point Piedras Blancas to Pismo Beach, San Luis Obispo County, California

By Janet T. Watt, Samuel Y. Johnson, Stephen R. Hartwell, and Michelle Roberts 2015



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