



EXPLANATION

ONSHORE

- HOLOCENE AND PLEISTOCENE ALLUVIAL, AELIAN, AND TERRACE DEPOSITS (MARINE AND NON-MARINE)
- PLIO-PLEISTOCENE AND PLIOCENE (NON-MARINE; PASO ROBLES FORMATION)
- PLIOCENE (MARINE; CAREAGA FORMATION)
- UPPER MIOCENE (MARINE; FOXEN, SISQUOC, AND MONTEREY FORMATIONS)
- MIDDLE MIOCENE (MARINE; MONTEREY AND POINT SAL FORMATIONS)
- LOWER MIOCENE (MARINE; LOSPE, RINCON, AND VAQUEROS FORMATIONS)
- OLIгоценE (MARINE AND NON-MARINE; SESPE, ALEGRIA, GAVIOTA, SALCATE, AND LOSPE FORMATIONS)
- EOCENE (MARINE; ANITA, MATILAJA, AND COZY DELL FORMATIONS)
- TERTIARY VOLCANIC ROCKS (TRANQUILLON FORMATION)
- UPPER CRETACEOUS (MARINE; JALAMA FORMATION)
- LOWER CRETACEOUS (MARINE; ESPADA FORMATION)
- MESOZOIC META-VOLCANIC ROCKS (INCLUDES FRANCISCAN VOLCANIC ROCKS)
- CRETACEOUS - JURASSIC FRANCISCAN ASSEMBLAGE (PREDOMINANTLY SEDIMENTARY AND META-SEDIMENTARY ROCKS)
- JURASSIC (MARINE; KNOXVILLE AND HONDA FORMATIONS)
- ULTRAMAFIC ROCKS (SERPENTINITE, GABBRO, PERIDOTITE, AND SOME BASALT)
- FAULT, DASHED WHERE APPROXIMATELY LOCATED OR INFERRED, DOTTED WHERE CONCEALED. U = UP-THROWN BLOCK, D = DOWN-THROWN BLOCK, BARBS INDICATE DOWN-THROWN BLOCK OF THrust FAULTS
- BURIED FAULT BASED ON SEISMIC REFLECTION DATA. U = UP-THROWN BLOCK, D = DOWN-THROWN BLOCK
- AXIAL TRACE OF ANTICLINE WITH PLUNGE INDICATED. DOTTED WHERE CONCEALED
- AXIAL TRACE OF SYNCLINE WITH PLUNGE INDICATED. DOTTED WHERE CONCEALED

OFFSHORE

- FAULT DISPLACING ACOUSTIC UNITS A AND B, DASHED WHERE INFERRED
- FAULT DISPLACING ACOUSTIC UNIT B ONLY, DASHED WHERE INFERRED
- AXIS OF ANTICLINE, DASHED WHERE INFERRED
- AXIS OF SYNCLINE, DASHED WHERE INFERRED
- APPROXIMATE SEAFLOOR CONTACT BETWEEN ACOUSTIC UNITS A AND B
- LINEAR SEAFLOOR ROCK OUTCROP (HOBBOCKS)
- SUBBOTTON ANGULAR UNCONFORMITY, DASHED WHERE INFERRED
- ZONE OF DISTURBANCE ASSOCIATED WITH FAULT ZONES
- DISTURBED UNIT A AND SEAFLOOR DISRUPTIONS ASSOCIATED WITH SLUMPING
- SONIA PROFILE LOCATION WITH SELECTED SHOT POINTS
- LOCATION OF PROPRIETARY SONIA PROFILES USED TO ESTABLISH STRUCTURAL TRENDS BUT NOT SUBMITTED WITH THIS REPORT (SEE TEXT)

ONSHORE GEOLOGY MODIFIED FROM:  
 OIBBLEE, 1956  
 WOODRING AND BRAMLETTE, 1950  
 PACIFIC GAS AND ELECTRIC CO., 1975

LAMBERT GRID SYSTEM, ZONE 5

BATHYMETRY FROM NATIONAL OCEANIC AND ATMOSPHERIC AGENCY, 1975, IN METERS



**GEOLOGIC MAP OF THE POINT SAL TO POINT CONCEPTION OFFSHORE AREA, CALIFORNIA**

By  
 C.M.PAYNE, O.E.SWANSON, AND B.A.SCHELL  
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NOTE: THIS MAP HAS NOT BEEN EDITED OR REVIEWED BY THE GEOLOGICAL SURVEY FOR CONFORMITY WITH SURVEY STANDARDS AND NOMENCLATURE