



GEOLOGIC HAZARDS

MASS MOVEMENT DEPOSIT, BOUNDARY DASHED WHERE INFERRED, QUERIED WHERE UNCERTAIN. ARROWS INDICATE DIRECTION OF PAST OR POTENTIAL MOVEMENT OF SEDIMENT. HACHURES INDICATE HEAD SCARP.

FAULT, DASHED WHERE INFERRED, QUERIED WHERE QUESTIONABLE. U, UPTHROWN SIDE; D, DOWNTOWN SIDE. BOX AND BAR ON DOWNTOWN SIDE WHERE FAULT OFFSETS SEA FLOOR. NUMBER ALONG FAULT INDICATES DEPTH BELOW SEA FLOOR TO TOP OF FAULT, IN METERS.

EXPLANATION

CONSTRAINTS

BURIED CHANNEL, BOUNDARY DASHED WHERE INFERRED. NUMBER INDICATES DEPTH BELOW SEA FLOOR TO TOP OF CHANNEL FILL, IN METERS.

GAS-CHARGED SEDIMENT, BOUNDARY DASHED WHERE INFERRED.

SHALLOW GAS (BRIGHT SPOT); BOUNDARY DASHED WHERE INFERRED. NUMBER INDICATES DEPTH BELOW SEA FLOOR TO TOP OF GAS ZONE, IN METERS.

BASE MAP

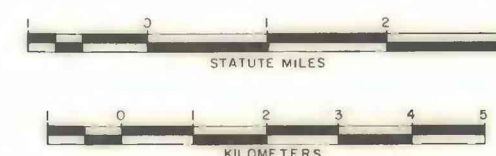
SEDIMENTARY OUTCROPS (TERTIARY, CRETACEOUS, AND JURASSIC). UNPATTERNED AREAS ARE QUATERNARY SEDIMENTS OR SEDIMENTARY ROCKS.

SURVEY LINES AND NAVIGATIONAL FIXES

BATHYMETRIC CONTOUR, IN FEET (METERS).

HYDROCARBON SEEP

GEOLOGIC HAZARDS AND CONSTRAINTS
OCS SALE 53 AREA
NORTHERN AND CENTRAL CALIFORNIA



SANTA MARIA AREA
(NORTH)
PLATE 5

Bathymetry prepared by Fairfield Industries under contract to the U.S. Geological Survey. Navigation base map prepared by Navigation Services Inc. for Fairfield Industries. Tracks based on the Universal Transverse Mercator Grid System are 4,000 meters on a side and contain 7,504 rectangles.