



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

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.

HYDROCARBON SEEP

BASE MAP

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

SURVEY LINES AND NAVIGATIONAL FIXES

BATHYMETRIC CONTOUR, IN FEET (METERS).

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

Scale: 0 1 2 3 4 5
STATUTE MILES

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KILOMETERS

Bathymetry prepared by Fairfield Industries under contract to the U.S. Geological Survey. Bathymetric base map compiled by Navigation Services, Inc. for Fairfield Industries. Tracks based on the Universal Transverse Mercator Grid System are 4,500 meters on a side and contain 7,304 features.

EEL RIVER AREA
PLATE I