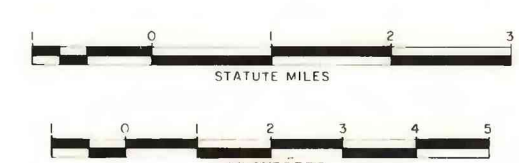


**GEOLOGIC HAZARDS**  
MASS MOVEMENT DEPOSIT, BOUNDARY DASHED WHERE INFERRED, QUERIED WHERE UNCERTAIN. ARROWS INDICATE DIRECTION OF PAST OR POTENTIAL MOVEMENT OF SEDIMENT BACHURES INDICATE HEAD SCARP  
FAULT, DASHED WHERE INFERRED, QUERIED WHERE QUESTIONABLE. U, UPTHROWN SIDE; D, DOWNTOWN SIDE. BOX AND 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.  
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**



**SANTA MARIA AREA  
(SOUTH)**  
PLATE 6

Bathymetry prepared by Fairfield Industries under contract to the U.S. Geological Survey. Bathymetric base map prepared by Navigation Services Inc. for Fairfield Industries. Tracts based on the Universal Transverse Mercator Grid System are 4,000 meters on a side and contain 2,500 hectares.