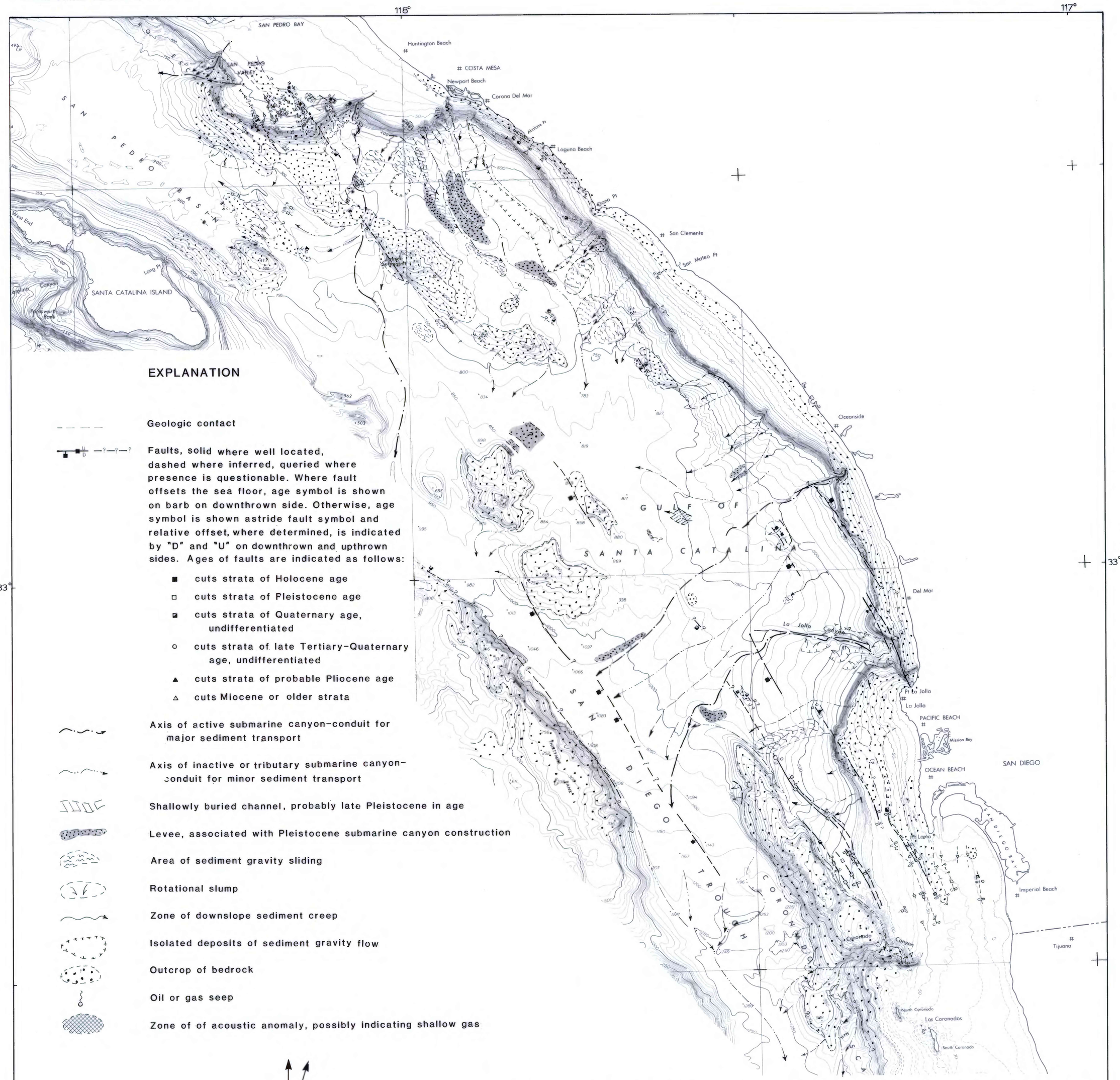
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY



EXPLANATION

Geologic contact

Faults, solid where well located, dashed where inferred, queried where presence is questionable. Where fault offsets the sea floor, age symbol is shown on barb on downthrown side. Otherwise, age symbol is shown astride fault symbol and relative offset, where determined, is indicated by "D" and "U" on downthrown and upthrown sides. Ages of faults are indicated as follows:

- ■ cuts strata of Holocene age
- □ cuts strata of Pleistocene age
- ◪ cuts strata of Quaternary age, undifferentiated
- ○ cuts strata of late Tertiary–Quaternary age, undifferentiated
- ▲ cuts strata of probable Pliocene age
- △ cuts Miocene or older strata

Axis of active submarine canyon–conduit for major sediment transport

Axis of inactive or tributary submarine canyon–conduit for minor sediment transport

Shallowly buried channel, probably late Pleistocene in age

Levee, associated with Pleistocene submarine canyon construction

Area of sediment gravity sliding

Rotational slump

Zone of downslope sediment creep

Isolated deposits of sediment gravity flow

Outcrop of bedrock

Oil or gas seep

Zone of of acoustic anomaly, possibly indicating shallow gas

True Magnetic North

Scale: 1:250,000

5 0 5 10 15 Statute Miles

5 0 5 10 15 Kilometers

5 0 5 10 15 Nautical Miles

Transverse Mercator Projection

SURFICIAL GEOLOGIC MAP OF THE GULF OF SANTA CATALINA AND ADJACENT AREA, CALIFORNIA

This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature.

Bathymetric base compiled from
National Oceanic and Atmospheric Administration Chart:
1206N-15, Santa Barbara to Huntington Beach, 1975:
1206N-16, Huntington Beach to Punta Sal Si Puedes, 1975,
Scale: 1:250,000.