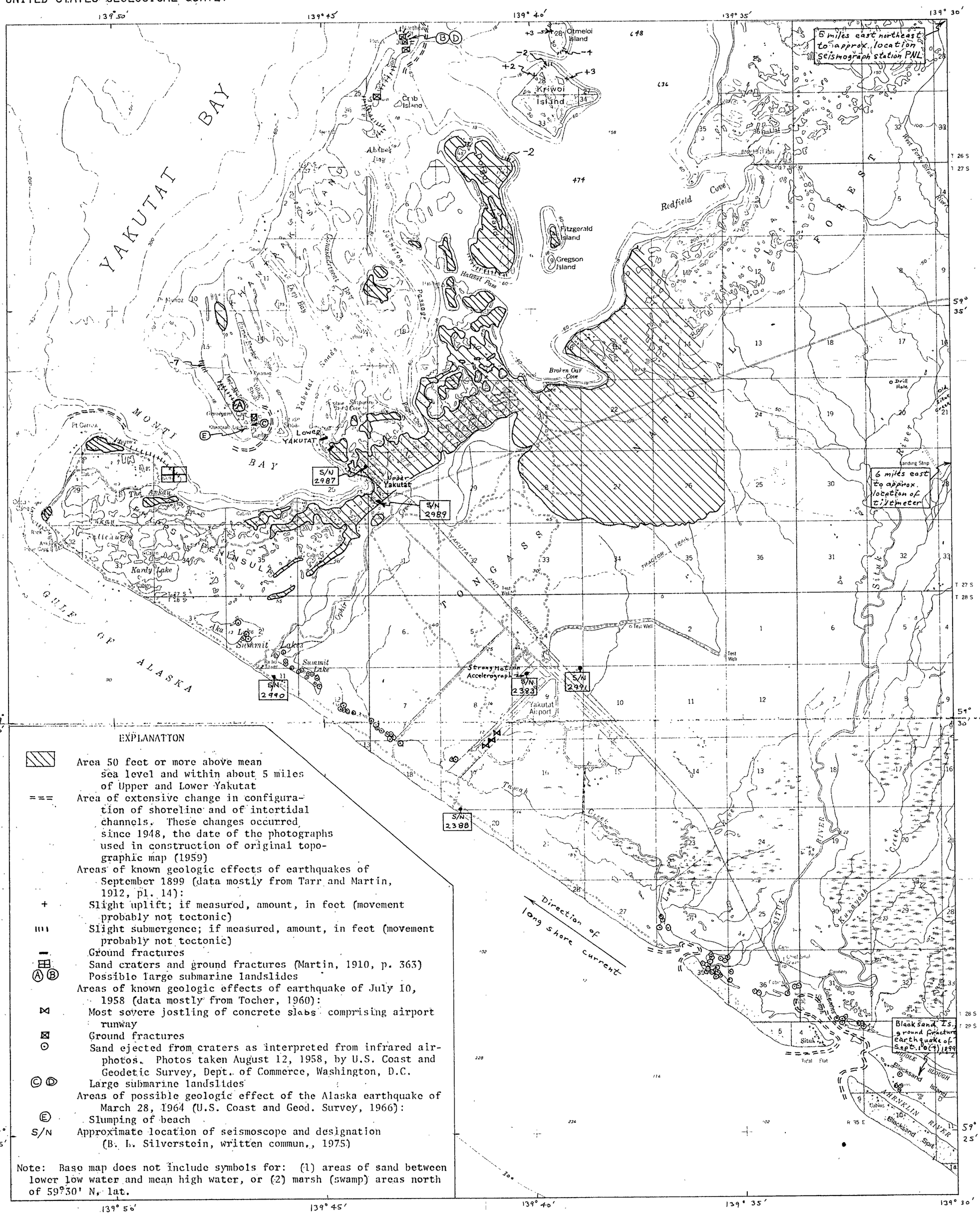
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT
75-529
FIGURE 2



EXPLANATION

- Area 50 feet or more above mean sea level and within about 5 miles of Upper and Lower Yakutat
- Area of extensive change in configuration of shoreline and of intertidal channels. These changes occurred since 1948, the date of the photographs used in construction of original topographic map (1959)
- Areas of known geologic effects of earthquakes of September 1899 (data mostly from Tarr and Martin, 1912, pl. 14):
  - + Slight uplift; if measured, amount, in feet (movement probably not tectonic)
  - Slight submergence; if measured, amount, in feet (movement probably not tectonic)
  - Ground fractures
  - Sand craters and ground fractures (Martin, 1910, p. 363)
  - (A) (B) Possible large submarine landslides
- Areas of known geologic effects of earthquake of July 10, 1958 (data mostly from Tocher, 1960):
  - Most severe jostling of concrete slabs comprising airport runway
  - Ground fractures
  - Sand ejected from craters as interpreted from infrared airphotos. Photos taken August 12, 1958, by U.S. Coast and Geodetic Survey, Dept. of Commerce, Washington, D.C.
  - (C) (D) Large submarine landslides
- Areas of possible geologic effect of the Alaska earthquake of March 28, 1964 (U.S. Coast and Geod. Survey, 1966):
  - (E) Slumping of beach
- S/N Approximate location of seismoscope and designation (B. L. Silverstein, written commun., 1975)

Note: Base map does not include symbols for: (1) areas of sand between lower low water and mean high water, or (2) marsh (swamp) areas north of 59°30' N. lat.

Base modified from U.S. Geological Survey topographic quadrangle maps, Yakutat B-5 and C-5, Alaska, 1959, minor revisions, 1970

29°
TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1959

SCALE 1:63 360

0 1 2 3 4 5 MILES
0 1 2 3 4 5 6 7 KILOMETRES

CONTOUR INTERVAL 100 FEET
DOTTED LINES REPRESENT 50 FOOT CONTOURS
DATUM IS MEAN SEA LEVEL
DEPTH CURVES AND SOUNDINGS IN FEET-DATUM IS MEAN LOWER LOW WATER
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 8 FEET

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

FIGURE 2.--MAP OF THE YAKUTAT AREA, ALASKA, SHOWING SELECTED TOPOGRAPHIC, HYDROLOGIC, AND EARTHQUAKE-RELATED INFORMATION.