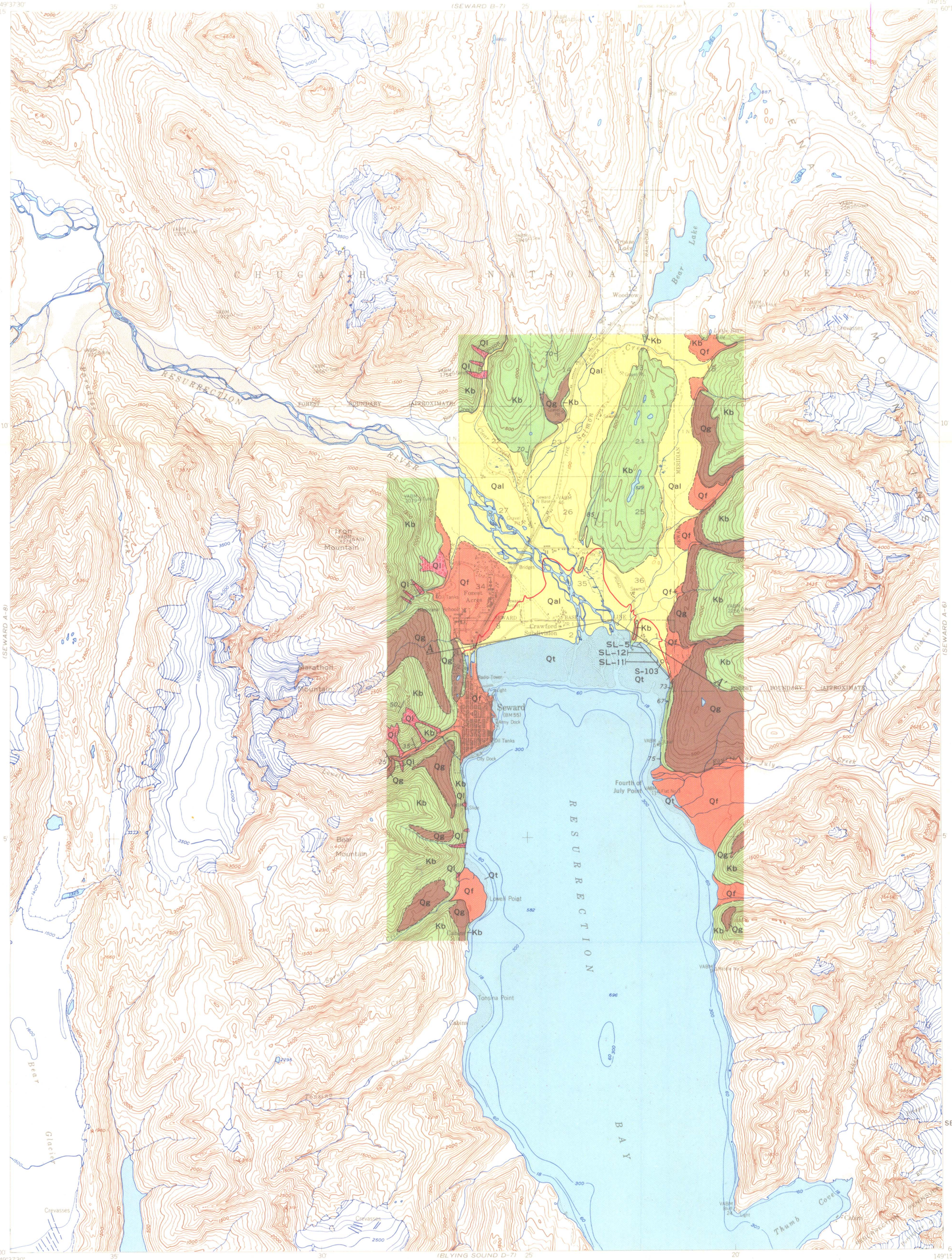
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PROFESSIONAL PAPER 542-E
PLATE 1



EXPLANATION

Pleistocene and Recent / Mostly contemporaneous / QUATERNARY

Ql — Landslide deposits
Mostly rockslide or debris-flow fragments and talus deposits that have moved by earthquake shaking. Include some preearthquake slide material

Qt — Intertidal deposits
Mostly silt, sand, and fine gravel constituting beach, deltaic, and estuarine sediments deposited on intertidal flats

Qal — Valley alluvium
Chiefly sand, fine to medium gravel; minor silt and cobbles; underlies valley floor of Resurrection River and larger tributaries

Qm — Marine deposits
Chiefly silt and sand; lesser amounts of clay-size particles and fine gravel. Shown only in section

Qf — Alluvial-fan and fan-delta deposits
Chiefly loose sand, gravel, and silt; lesser amounts of cobbles and boulders; deposited as broad fans at the mouths of larger tributary valleys. Probably include drift, mudflows, and landslide deposits in some small poorly exposed fanlike features near mouths of smaller tributaries

Qg — Glacial deposits
Mostly till constituting morainal deposits and consisting predominantly of silt and sand with lesser amounts of gravel, cobbles, and boulders. Include some stratified ice-contact deposits, minor glacial outwash deposits, and small outcrops of bedrock

Upper Cretaceous / CRETACEOUS

Kb — Bedrock
Chiefly graywacke and phyllite; a few conglomeratic beds; includes small or thin deposits of drift

Contact
Dashed where approximately located; short dashed where inferred

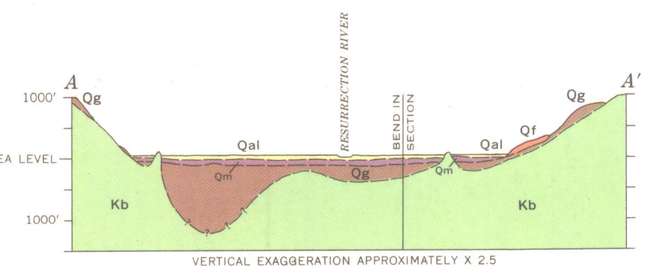
Maximum runup of earthquake-induced sea waves
Shown only at the head of Resurrection Bay

70 — Strike and dip of beds or cleavage (mostly parallel to primary bedding)

SL-12 — Seismic profile

S-103 — Drill hole

Note: Culture, topography, and geology shown as it existed prior to earthquake of March 27, 1964, except for addition of some earthquake-induced landslide deposits and line showing extent of sea waves



VERTICAL EXAGGERATION APPROXIMATELY X 2.5

Base from U.S. Geological Survey
topographic quadrangle,,1951
Names as of 1964

APPROXIMATE MEAN DECLINATION, 1966

SCALE 1:63 360

1 ½ 0 1 2 3 4 MILES

1 .5 0 1 2 3 4 KILOMETERS

CONTOUR INTERVAL 100 FEET
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 AVERAGE RANGE OF TIDE IS APPROXIMATELY 10 FEET

QUADRANGLE LOCATION

Geology by R. W. Lemke,
April-September 1964

INTERIOR—U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C.—1966—G66464

GEOLOGIC MAP AND SECTION OF THE SEWARD AREA, ALASKA