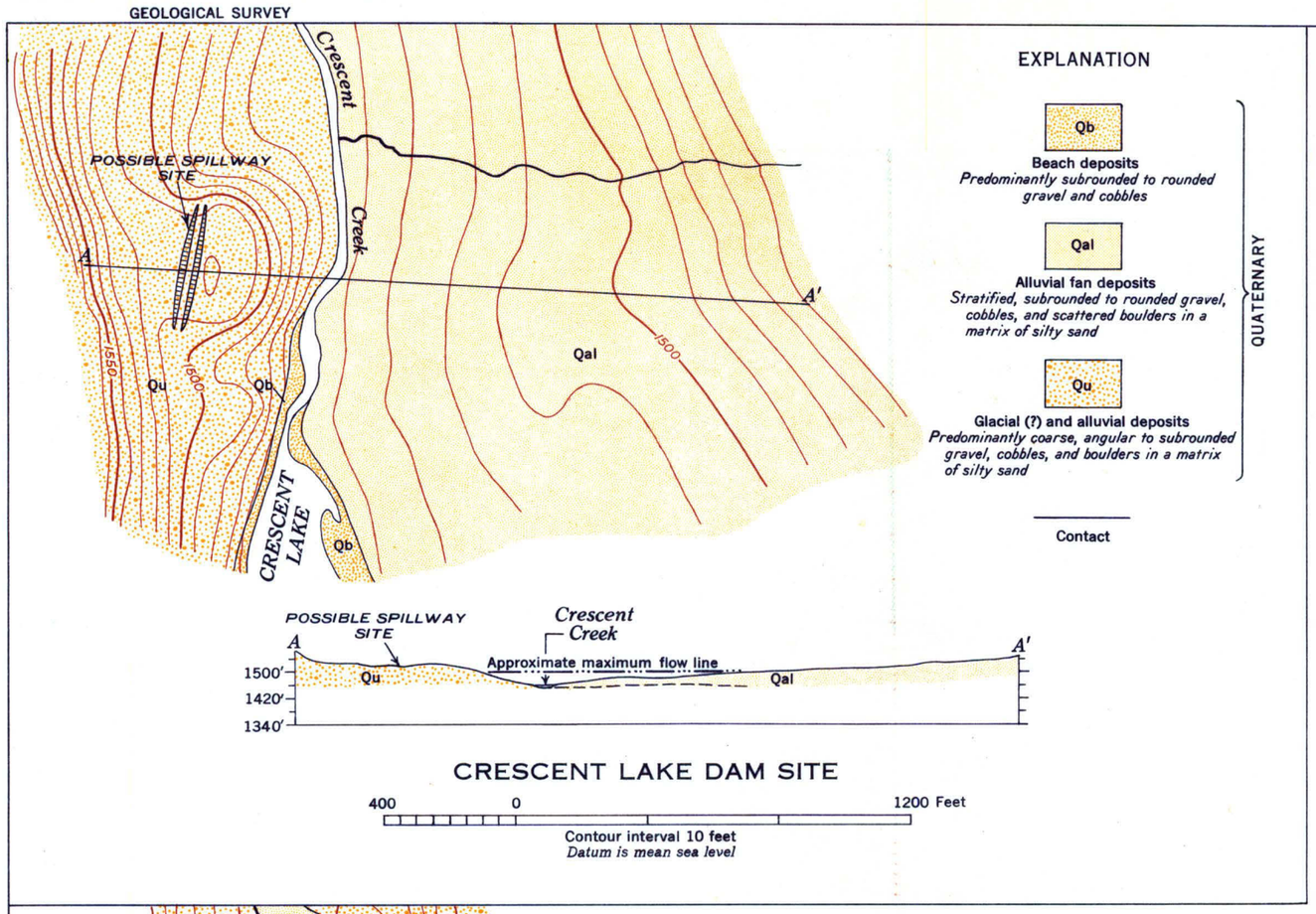


CRESCENT LAKE DAM SITE

400 0 1200 Feet

Contour interval 10 feet
Datum is mean sea level

EXPLANATION

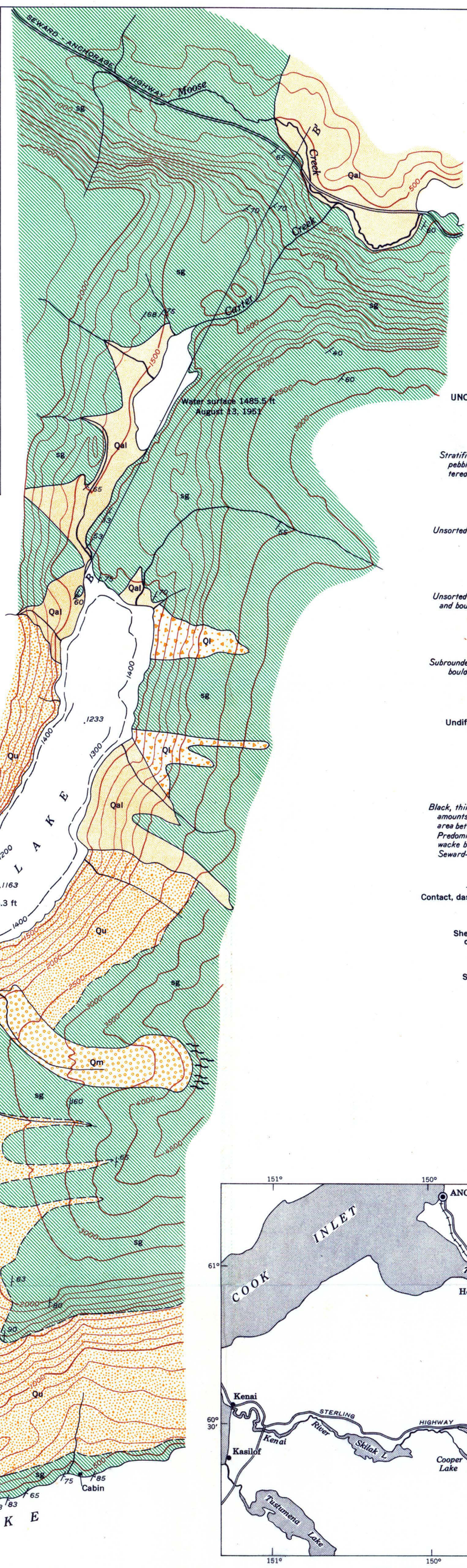
QUATERNARY

Qb — **Beach deposits**
Predominantly subrounded to rounded gravel and cobbles

Qal — **Alluvial fan deposits**
Stratified, subrounded to rounded gravel, cobbles, and scattered boulders in a matrix of silty sand

Qu — **Glacial (?) and alluvial deposits**
Predominantly coarse, angular to subrounded gravel, cobbles, and boulders in a matrix of silty sand

Contact



EXPLANATION

UNCONSOLIDATED DEPOSITS

QUATERNARY

Qal — **Alluvial fan deposits**
Stratified, subrounded to rounded sand, pebble, and cobble gravel with scattered boulders

Ql — **Landslide debris**
Unsorted and unstratified angular cobbles and boulders

Qm — **Glacial moraine**
Unsorted and unstratified angular cobbles and boulders; in part underlain by ice

Qg — **Glaciofluvial deposits**
Subrounded to rounded gravel, cobbles, and boulders in a matrix of silty sand

Qu — **Undifferentiated alluvial and talus deposits over bedrock**

BEDROCK

MESOZOIC

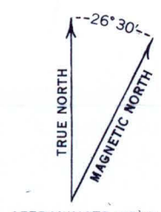
sg — **Slate and graywacke**
Black, thinly bedded, sandy slate with minor amounts of gray massive graywacke in area between Crescent and Kenai Lakes. Predominantly interbedded slate and graywacke between Crescent Lake and the Seward-Anchorage Highway

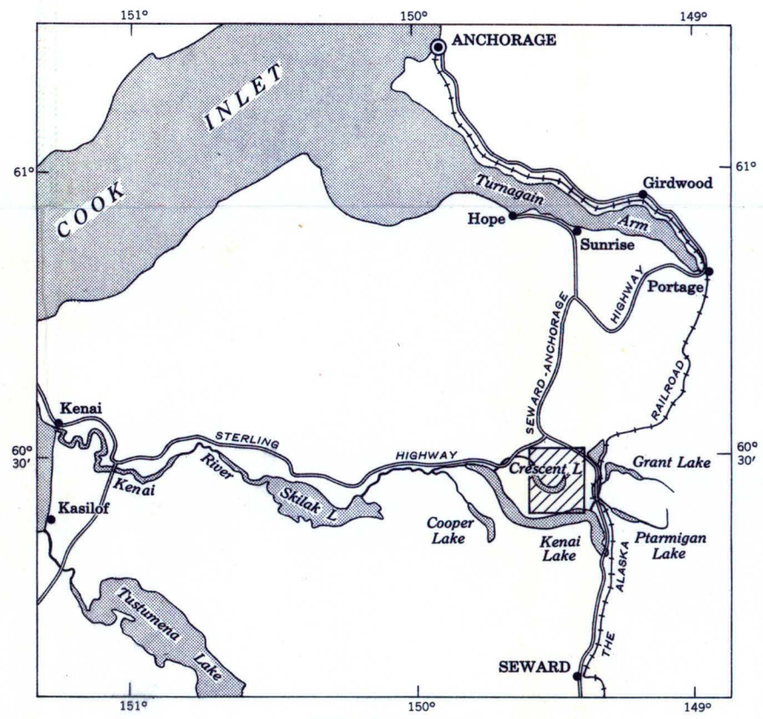
Contact, dashed where approximately located

Shear zone in which beds are contorted and fractured

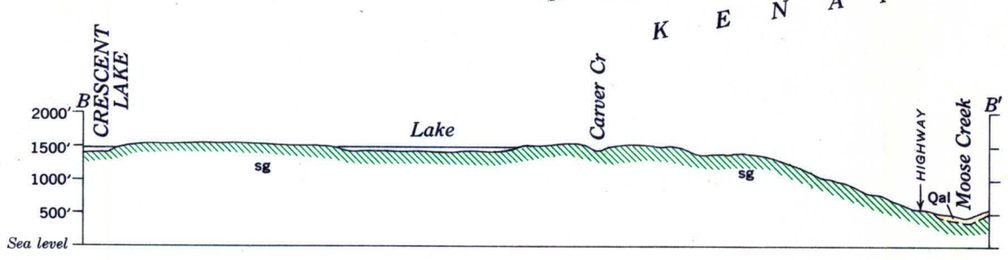
55 — Strike and dip of bedding
May be overturned

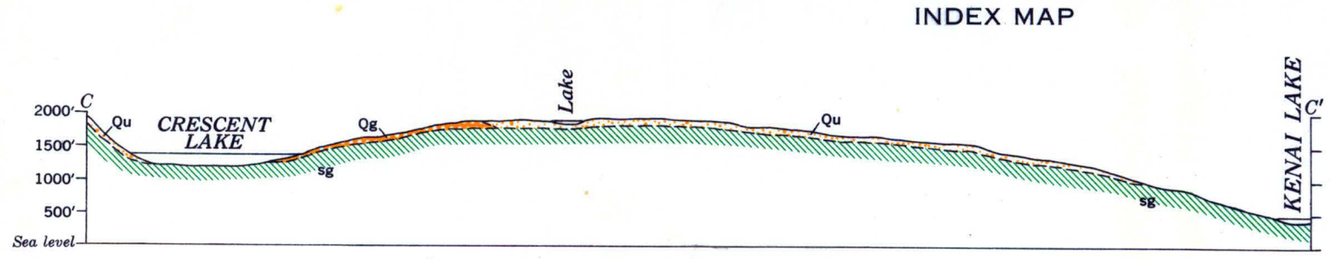
90 — Strike of vertical beds





INDEX MAP





Topography compiled from Crescent Lake, Alaska sheet, scale 1:24,000 U. S. Geological Survey; the Crescent Lake quadrangle, scale 1:50,000, Corps of Engineers, U. S. Army; and aerial photographs, scale 1:40,000

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C. M R-7875

Geology by George Plafker, September 1952

GEOLOGIC MAPS AND SECTIONS OF THE DAM SITE, RESERVOIR SITE, AND POSSIBLE TUNNEL SITES AT CRESCENT LAKE, ALASKA

1 0 2 Miles

5000 0 10,000 Feet

Contour interval 100 feet
Datum is mean sea level