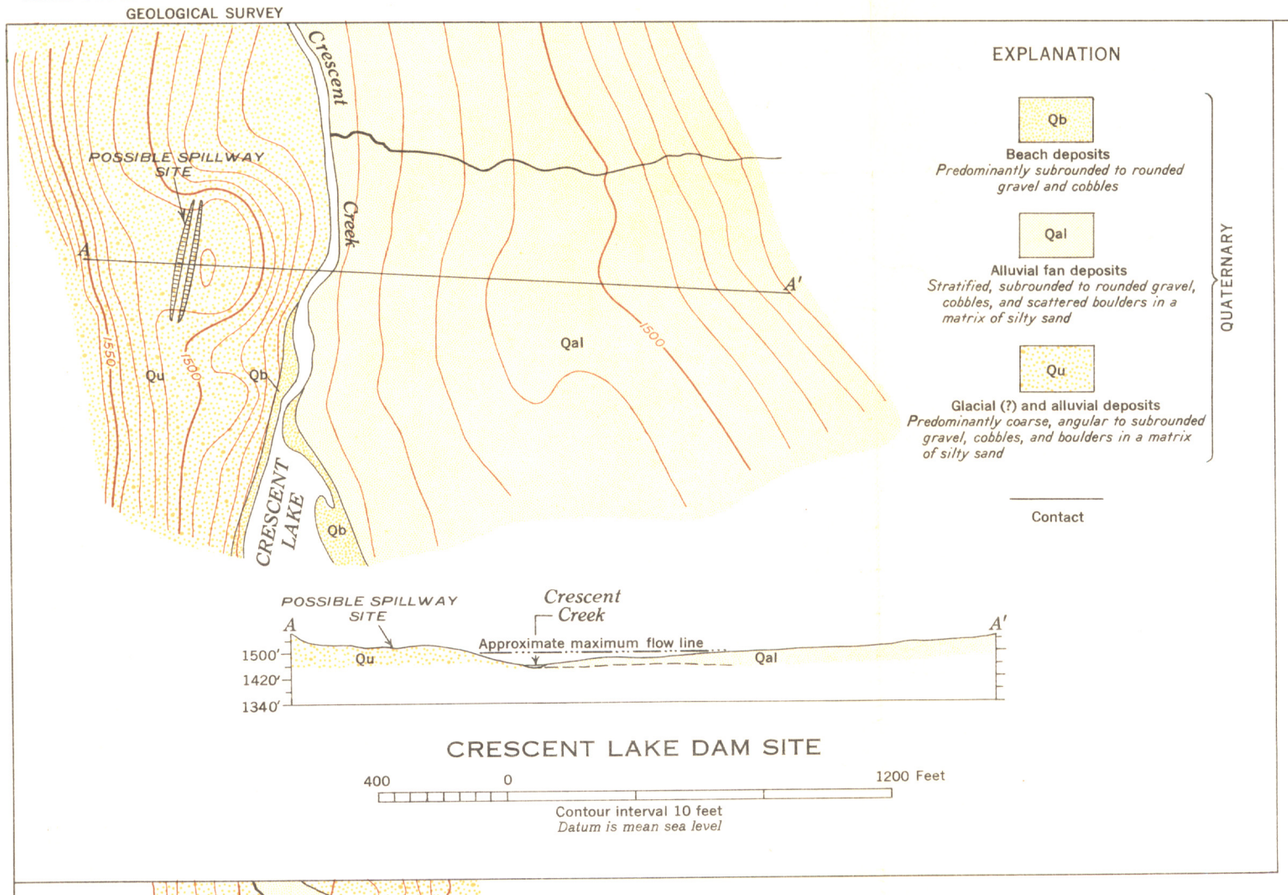


EXPLANATION

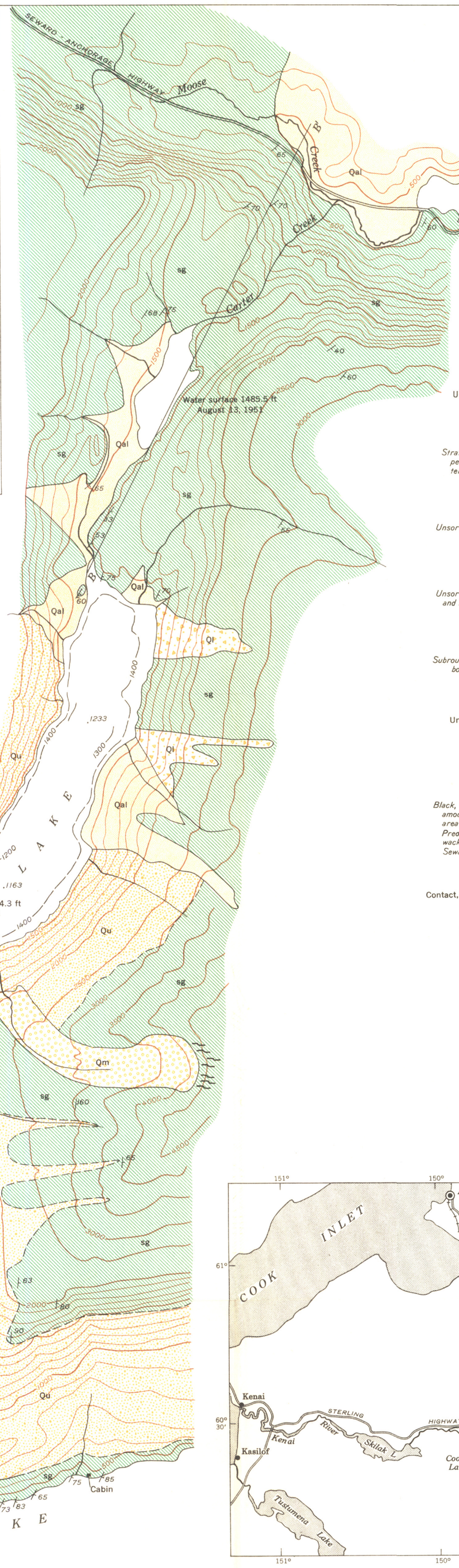
QUATERNARY

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

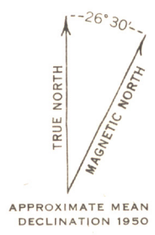
sg — Slate and graywacke
Black, thinly bedded, sandy slate with minor amounts of gray massive graywacke in area between Crescent and Kenai Lakes. Predominantly interbedded slate and graywacke between Crescent Lake and the Seward-Anchorage Highway

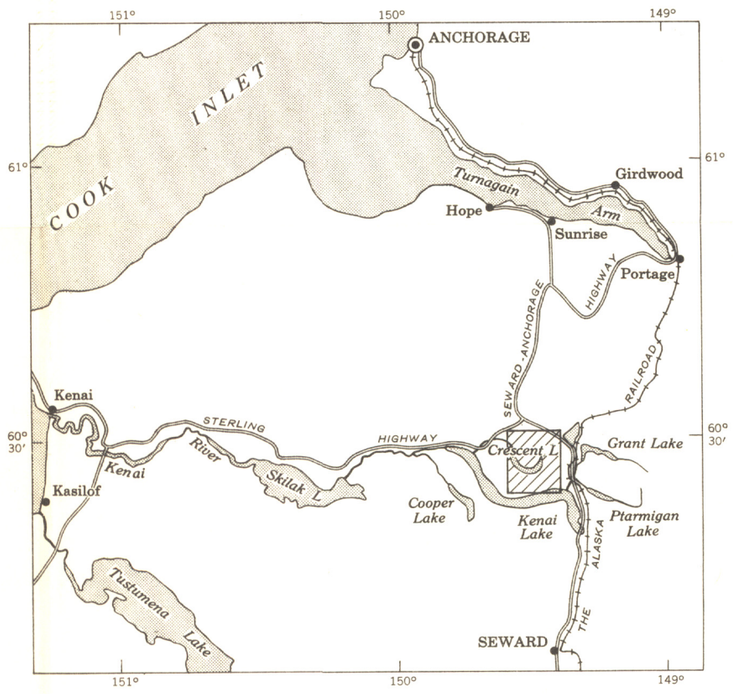
Contact, dashed where approximately located

Shear zone in which beds are contorted and fractured

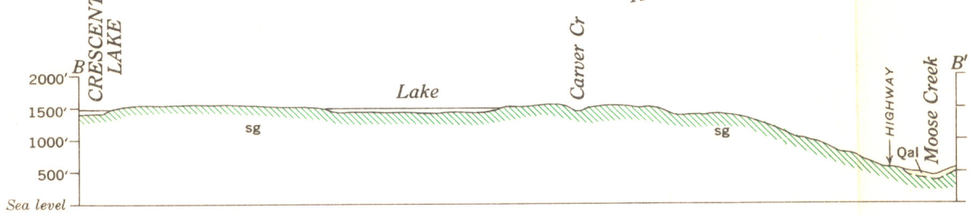
55 — Strike and dip of bedding
May be overturned

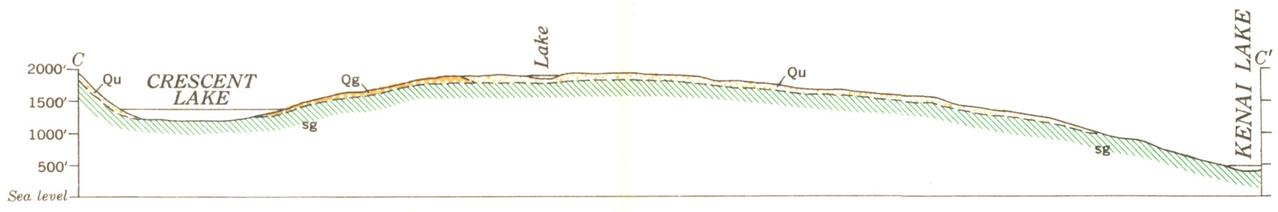
90 — Strike of vertical beds





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