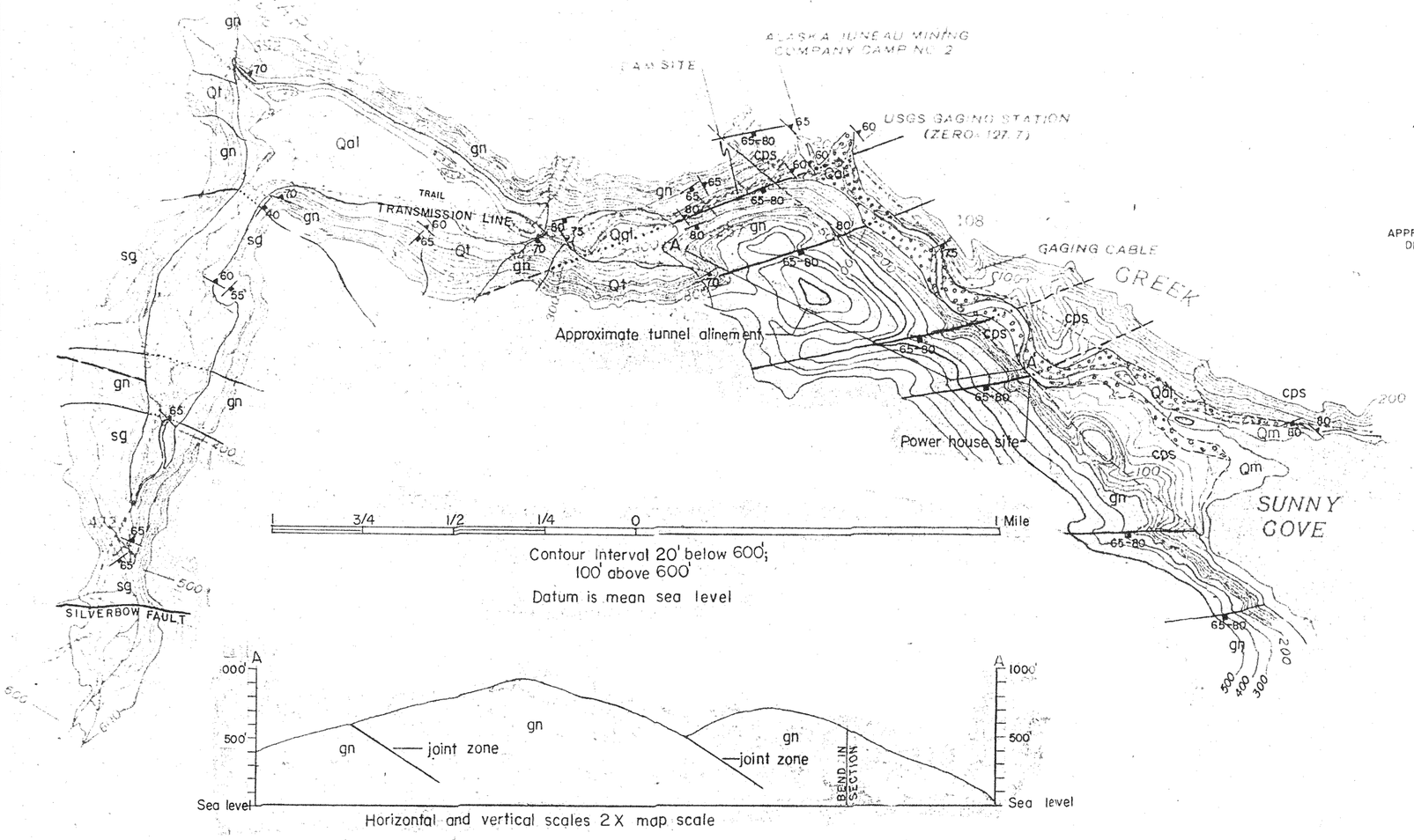
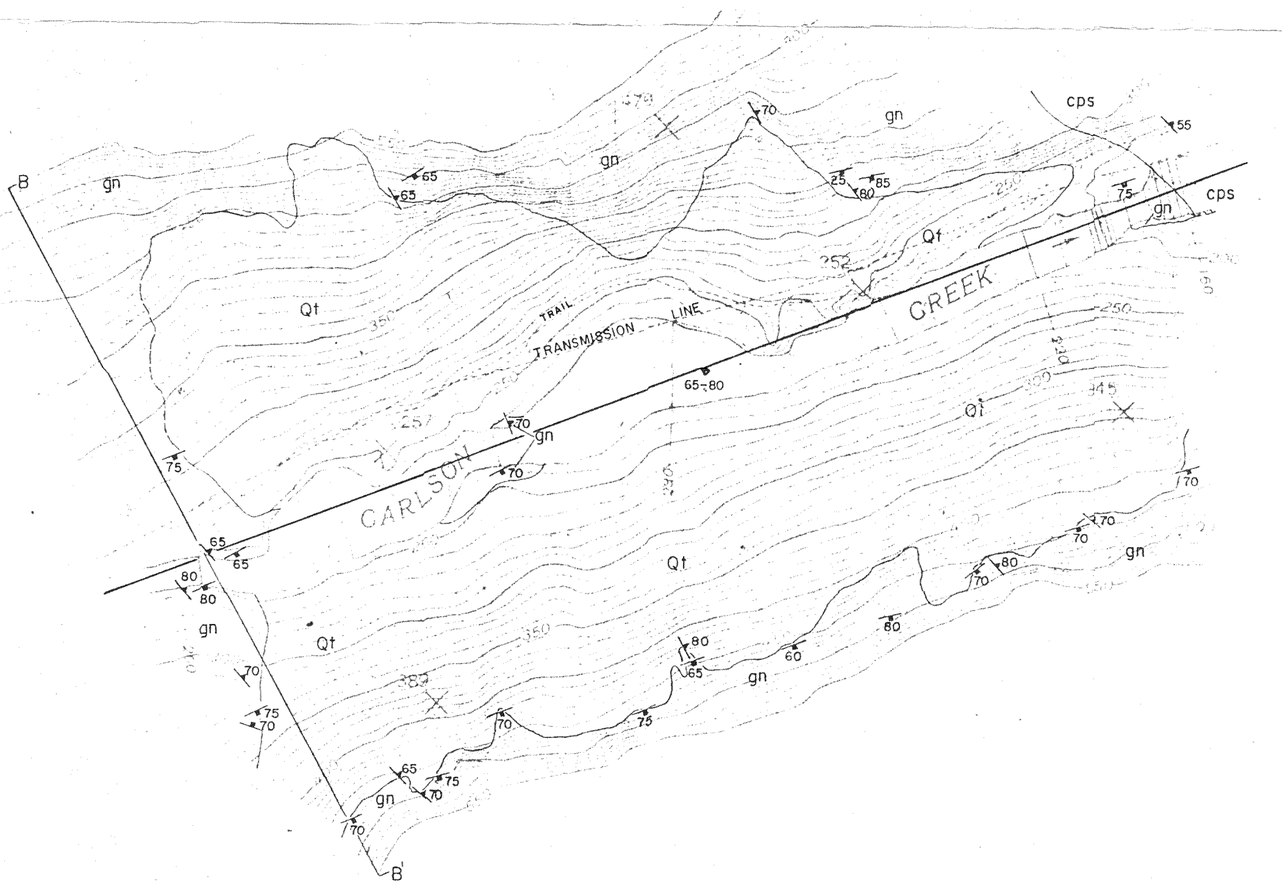
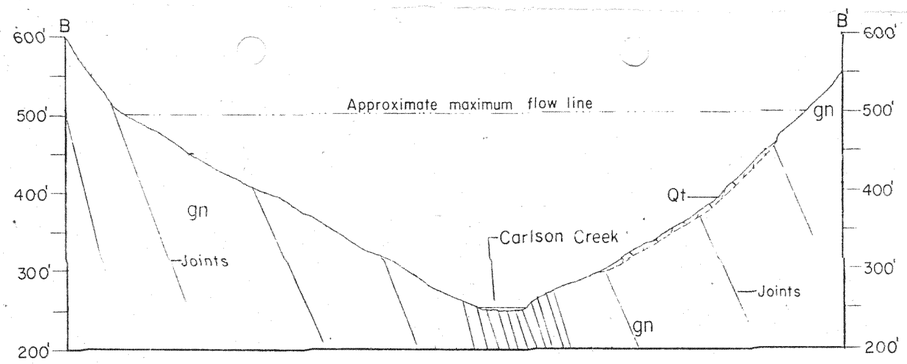


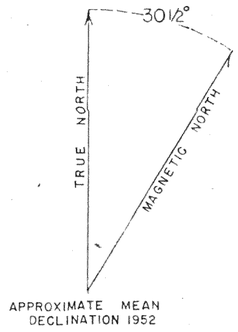


CARLSON CREEK DAM SITE

200 0 200 400 600 Feet

Contour Interval on land 10 feet
Contour Interval on water surface 5 feet
Datum is mean sea level





EXPLANATION

Unconsolidated deposits

QUATERNARY

Recent

Qal — Alluvium
Predominantly moderately well sorted, subrounded to rounded sand, granules, pebbles, and cobbles

Qt — Talus deposits
Predominantly unsorted to poorly sorted loose, angular boulders and cobbles with interstitial sand and gravel. Not mapped where it occurs as thin mantle over bedrock at base of steep slopes.

Qm — Mud
Black, organic sandy silt deposited in tidal zone

Bedrock

U. Jurassic (?) and L. Cretaceous — JURASSIC (?) AND CRETACEOUS

gn — Injection gneiss
Mottled black and white, massive, medium-grained foliated quartz diorite with thin partings and inclusions of schist. Includes numerous dikes of aplite and pegmatite

CRETACEOUS AND OLDER

sg — Undifferentiated schist and gneiss
Schist and injection gneiss with subordinate relatively thin beds of marble and numerous dikes of aplite and pegmatite.

PALEOZOIC (?)

cps — Clark Peak schist
Predominantly gray to black, slabby, fine- to medium-grained, quartz-andesine-biotite and quartz-andesine-biotite-hornblende schist. Includes subordinate amounts of foliated quartz diorite, marble and dikes of aplite and pegmatite

Contact; dashed where approximately located

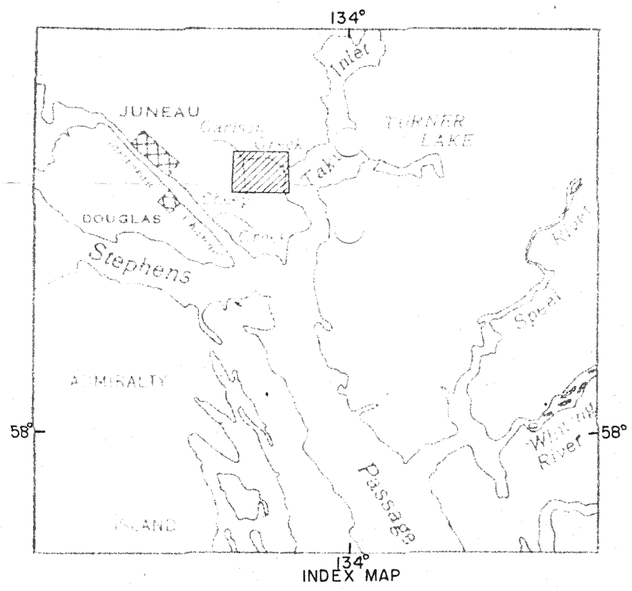
Fault; dashed where approximately located

70 Strike and dip of foliation

70 Strike and dip of joint

70 Zone of closely-spaced joints showing approximate dip. Dashed where approximately located; dotted where concealed

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



TOPOGRAPHY OF DAM SITE AREA FROM SHEEP CREEK AND CARLSON CREEK, ALASKA SHEET, SCALE 1:2400, U.S. GEOL. SURVEY.
TOPOGRAPHY OF RESERVOIR AREA FROM SHEEP CREEK AND CARLSON CREEK, ALASKA SHEET, SCALE 1:24000, AND JUNEAU (B-1), ALASKA QUADRANGLE, SCALE 1:63,360, U.S. GEOL. SURVEY.

GEOLOGY BY GEORGE PLAFKER SEPTEMBER 1954

GEOLOGIC MAPS AND SECTIONS OF PROPOSED CARLSON CREEK POWER SITE