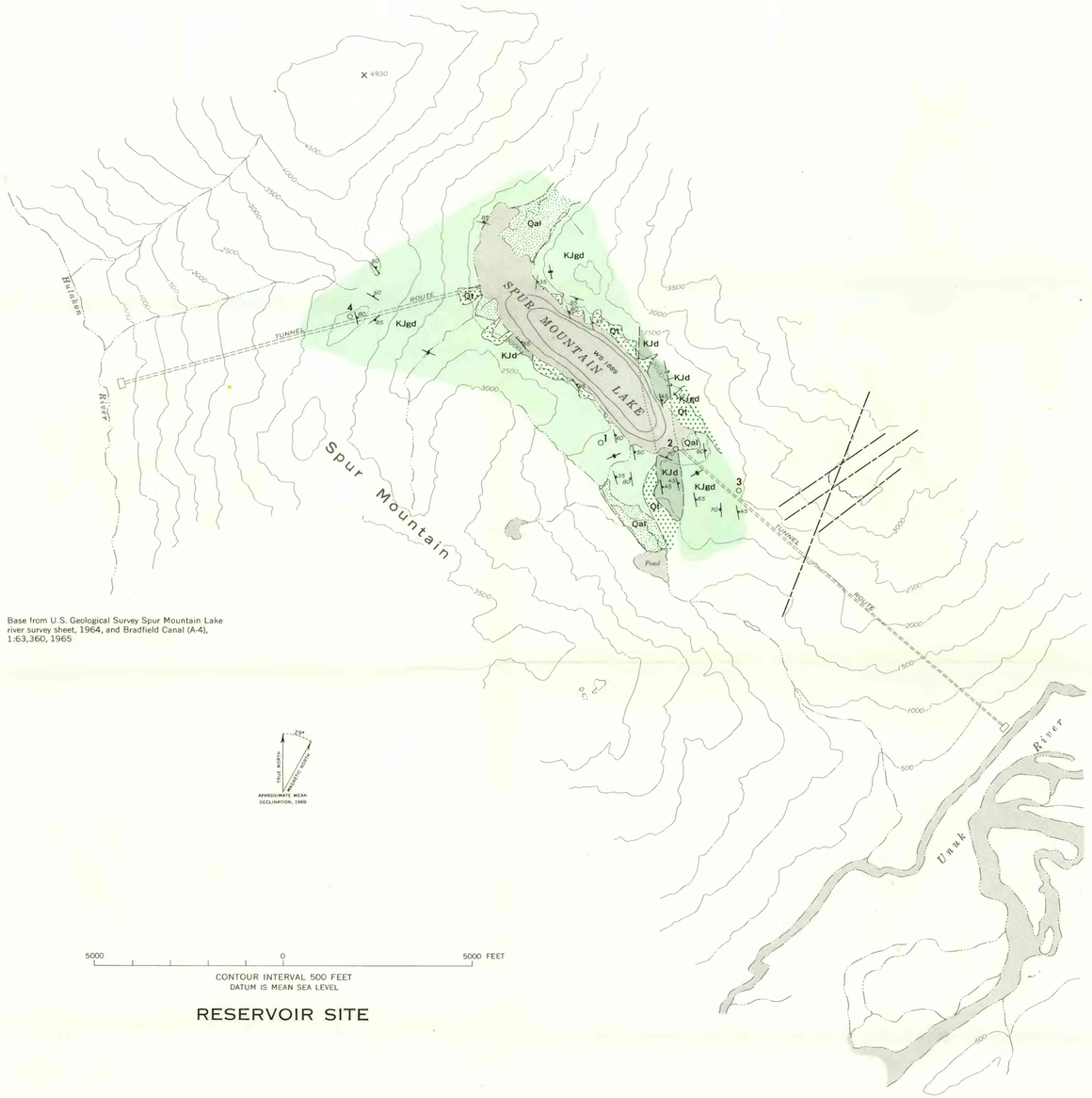
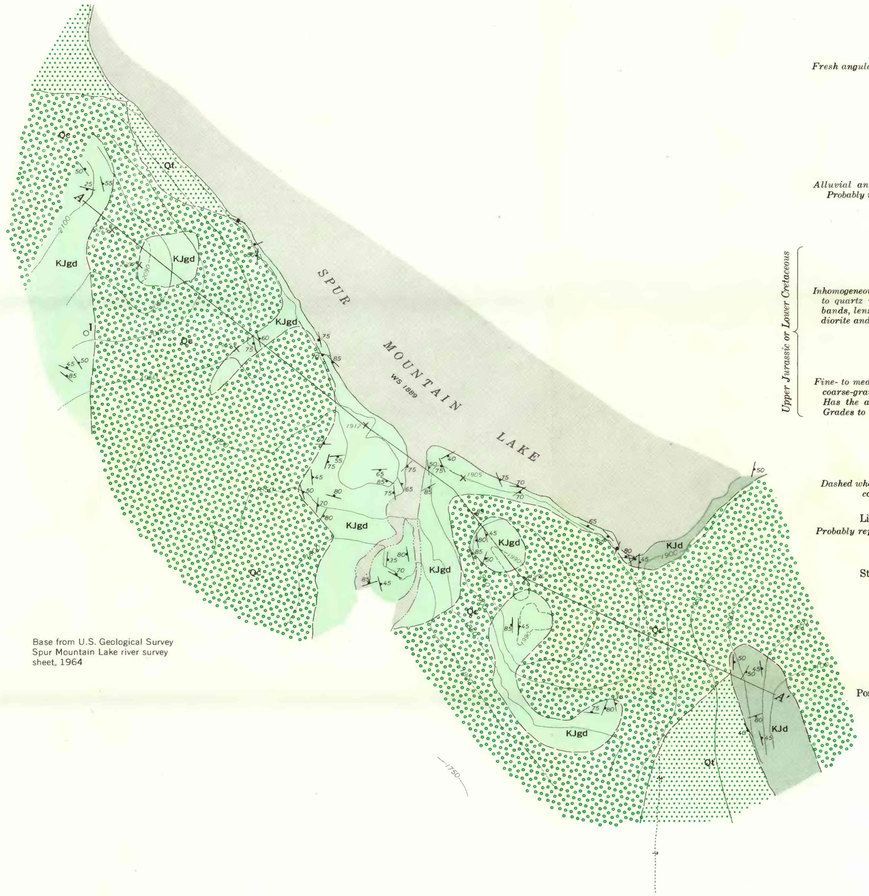


Base from U.S. Geological Survey Spur Mountain Lake river survey sheet, 1964, and Bradfield Canal (A-4), 1:63,360, 1965

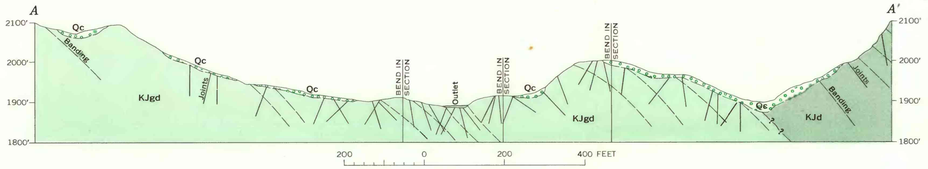
5000 0 5000 FEET

CONTOUR INTERVAL 500 FEET
DATUM IS MEAN SEA LEVEL

RESERVOIR SITE



Base from U.S. Geological Survey Spur Mountain Lake river survey sheet, 1964



CONTOUR INTERVAL 50 FEET
DATUM IS MEAN SEA LEVEL

DAMSITE

EXPLANATION

SURFICIAL DEPOSITS

QUATERNARY

Qt — Talus
Fresh angular blocks of intrusive rock as much as 10 feet in diameter

Qc — Soil cover and float

Qal — Alluvium
Alluvial and glaciofluvial gravel, sand, and silt. Probably includes beds of lacustrine silt at depth

UNCONFORMITY

IGNEOUS ROCKS

JURASSIC OR CRETACEOUS

Upper Jurassic or Lower Cretaceous

KJgd — Granodiorite
Inhomogeneous light-gray medium-grained rock grading to quartz monzonite and quartz diorite. Contains bands, lens-shaped inclusions, and segregations of diorite and more mafic rocks

KJd — Diorite
Fine- to medium-grained distinctly banded rock with coarse-grained feldspathic and quartzose interbands. Has the appearance of injection gneiss in places. Grades to hornblendite locally

Contact
Dashed where inferred or approximate; dotted where concealed; queried where doubtful

Lineaments on aerial photographs
Probably represent well-developed persistent joints or small faults

50 — Strike and dip of gneissic banding

Strike of vertical banding

60 — Strike and dip of joints

Strike of vertical joints

A——A' Possible axis line and line of section

○2 Sample locality

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1969—C68291

Geology by J. E. Callahan, 1964

GEOLOGIC MAPS OF THE SPUR MOUNTAIN LAKE RESERVOIR SITE AND OF THE SPUR MOUNTAIN LAKE DAMSITE, SOUTHEASTERN ALASKA