EXPLANATION

SURFICIAL DEPOSITS

QUATERNARY

Qt — Talus and landslide deposits

UNCONFORMITY

IGNEOUS ROCKS

JURASSIC AND CRETACEOUS

KJd — Diorite
Quartz diorite grading into granodiorite and diorite

KJa — Amphibolite
Dark-green fine-grained foliated amphibolite

Contact, approximately located

Lineament
Dotted where concealed

65 — Strike and dip of foliation

Strike of vertical foliation

20 — Strike and dip of joints

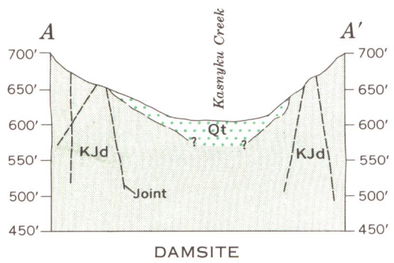
Strike of vertical joints

Strikes and dips of multiple joints
Dashed line indicates minor joint set

3 — Sample localities of chemical analyses

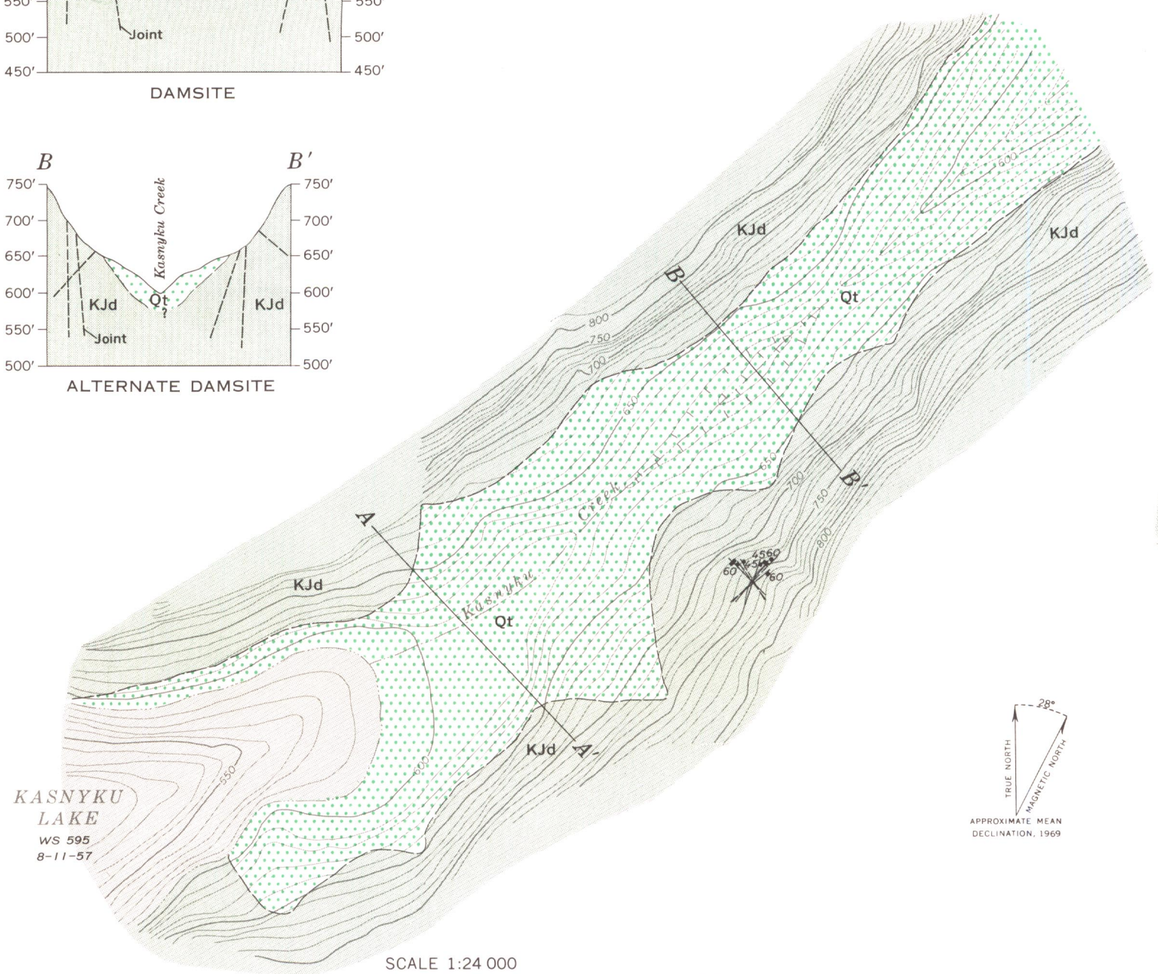
B — B′ Axis of dam; also line of section

WS 564
8-13-57
Altitude of water surface and date of measurement



DAMSITE

ALTERNATE DAMSITE

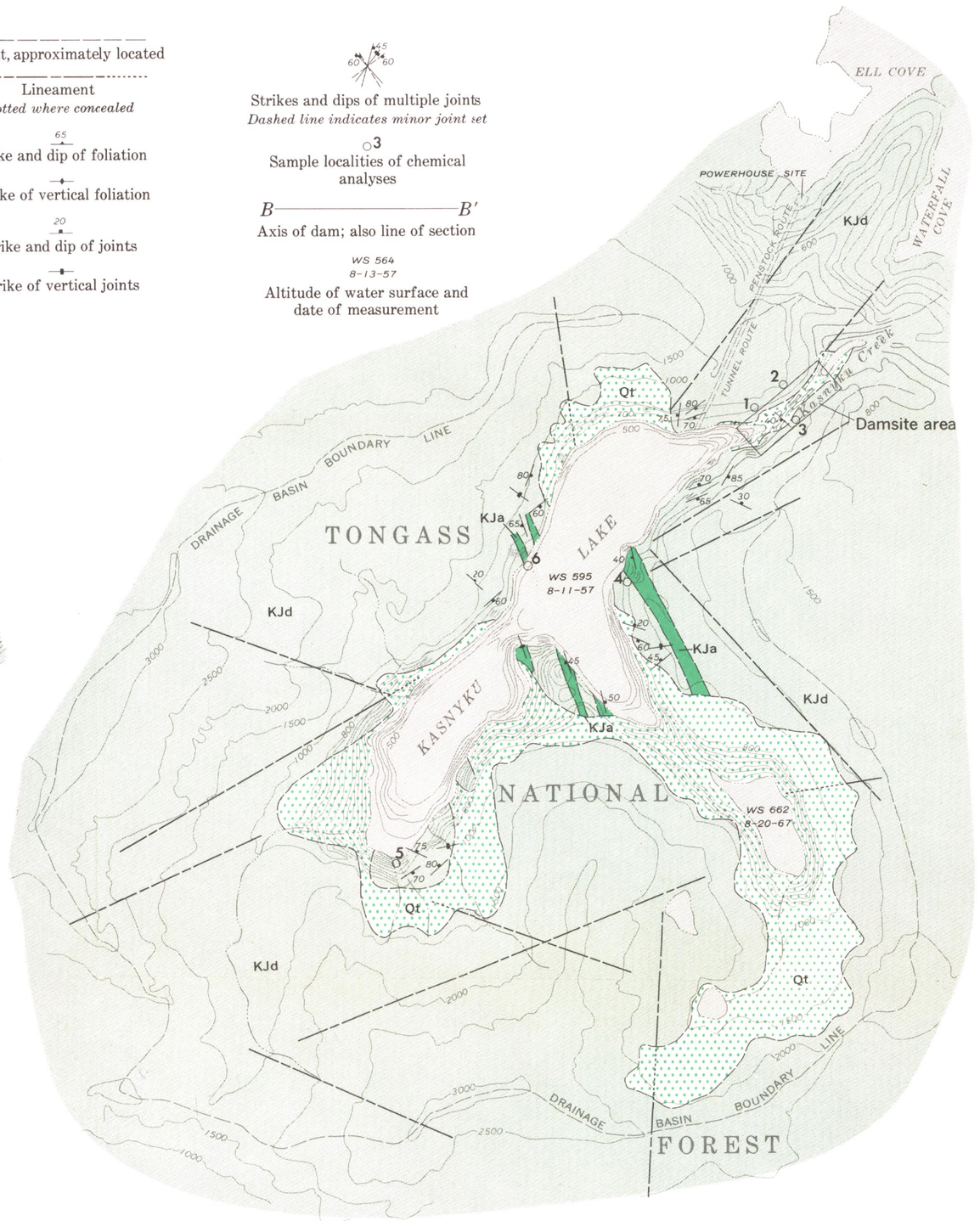


SCALE 1:24 000

200 0 200 400 FEET

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

DAMSITE



SCALE 1:24 000

5000 0 5000 FEET

CONTOUR INTERVALS 20, 100, AND 500 FEET
DATUM IS MEAN SEA LEVEL

RESERVOIR SITE

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1969—C68354

Base maps from U.S. Geological Survey
Kasnyku Lake river - survey shee , 1957

RECONNAISSANCE GEOLOGIC MAPS OF THE KASNYKU LAKE RESERVOIR SITE AND OF THE KASNYKU LAKE DAMSITE, SOUTHEASTERN ALASKA

Geology by A. A. Wanek
and J. E. Callahan, 1964