RESERVOIR AREA

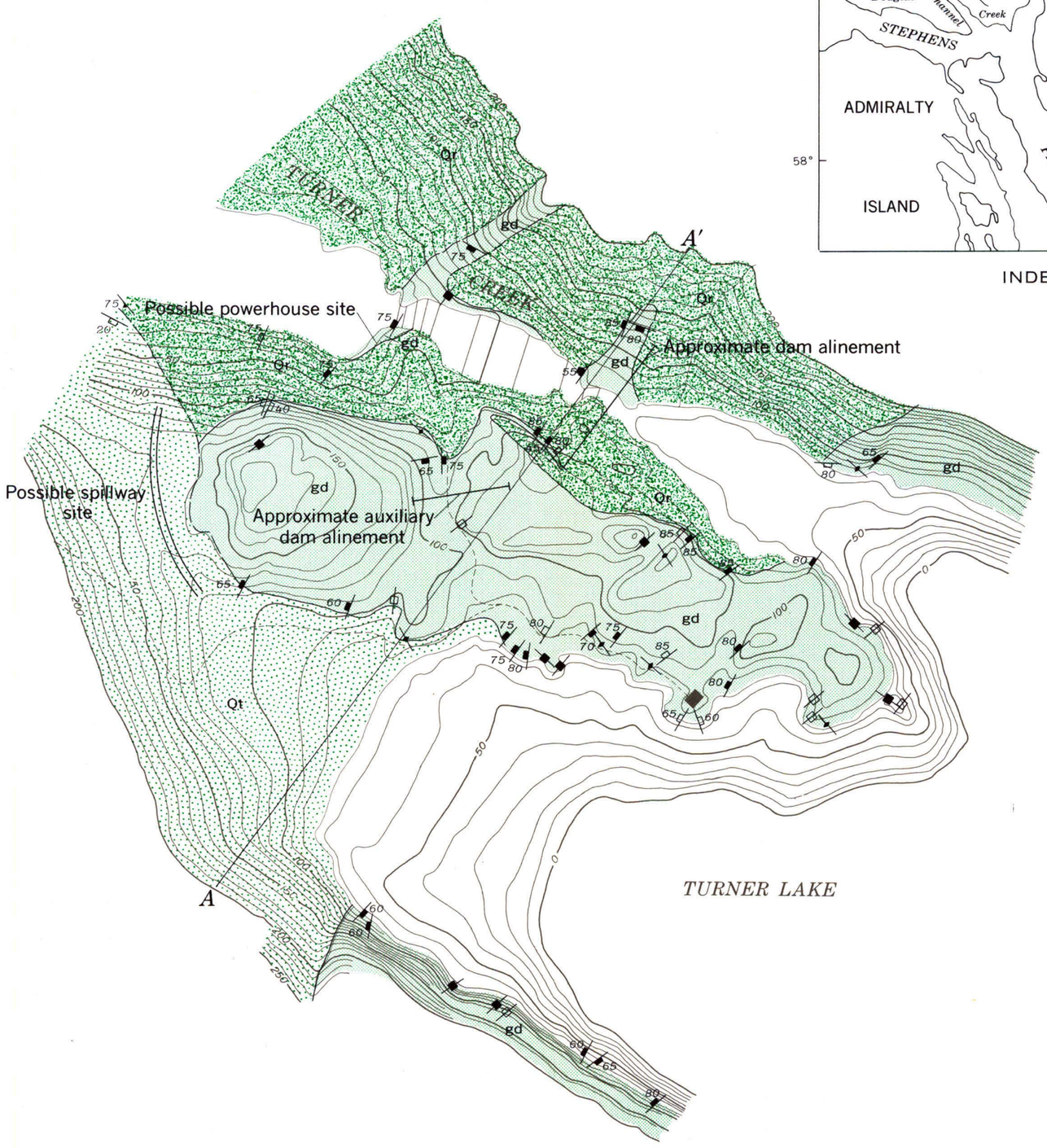
1 0 1 2 3 4 MILES

CONTOUR INTERVAL 100 FEET

DATUM IS MEAN SEA LEVEL

SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER

THE AVERAGE RANGE OF TIDE IS APPROXIMATELY 14 FEET

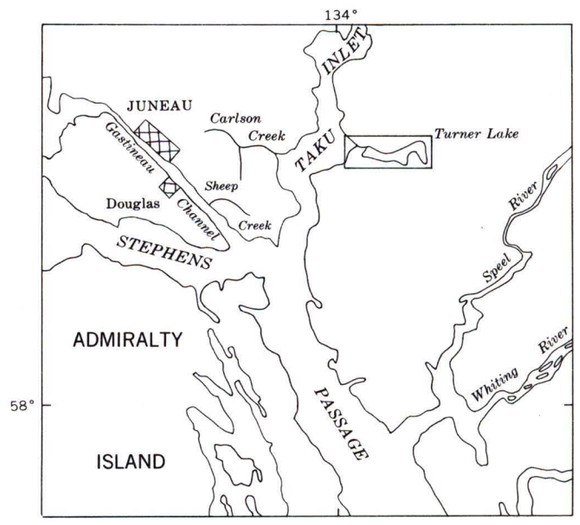


DAMSITE AREA

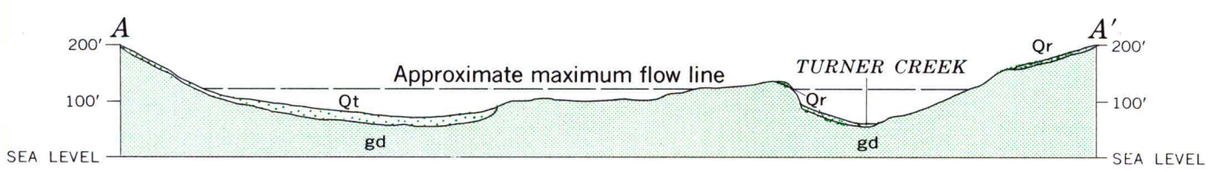
400 200 0 400 800′ 1200 FEET

CONTOUR INTERVAL ON LAND 10 FEET—ON WATER SURFACE 5 FEET

DATUM IS MEAN SEA LEVEL



INDEX MAP



EXPLANATION

UNCONSOLIDATED DEPOSITS

Recent — QUATERNARY

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

Qr — Rockslide deposits
Unsorted loose angular blocks as much as 40 feet across

Qt — Talus deposits
Predominantly poorly sorted angular to subangular silt, sand, granules, and pebbles, and scattered cobbles and boulders. Includes small rockslides

Qg — Glacial deposits
Undifferentiated coarse-grained glacial deposits

BEDROCK

Upper Jurassic(?) and Lower Cretaceous — JURASSIC(?) AND CRETACEOUS

gd — Granodiorite
Mottled white and black medium-grained massive biotite-hornblende granodiorite

Contact
Dashed where approximately located

85 ……?……
Fault, showing approximate dip
Dashed where approximately located; dotted where concealed; queried where doubtful. Determined from vertical aerial photographs

90 ……?……
Approximately vertical fault
Dotted where concealed; queried where doubtful. Determined from vertical aerial photographs

75
Strike and dip of planar flow structure

Strike of vertical planar flow structure

75
Strike and dip of joints

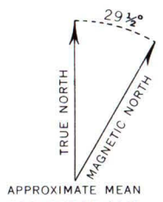
Strike of vertical joints

80
Strike and dip of silicified joints

Strike of vertical silicified joints

80 ……
Trace and approximate dip of major joints
Dotted where concealed. Determined from vertical aerial photographs

Trace of approximately vertical major joints
Determined from vertical aerial photographs



APPROXIMATE MEAN DECLINATION, 1960

Base from U. S. Geological Survey Sheep Creek and Carlson Creek, Alaska sheet and Taku River (B-6) quadrangle, Alaska

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—10319

Geology by George Plafker, 1954

GEOLOGIC MAPS AND SECTION OF PROPOSED POWERSITE AT TURNER LAKE, ALASKA