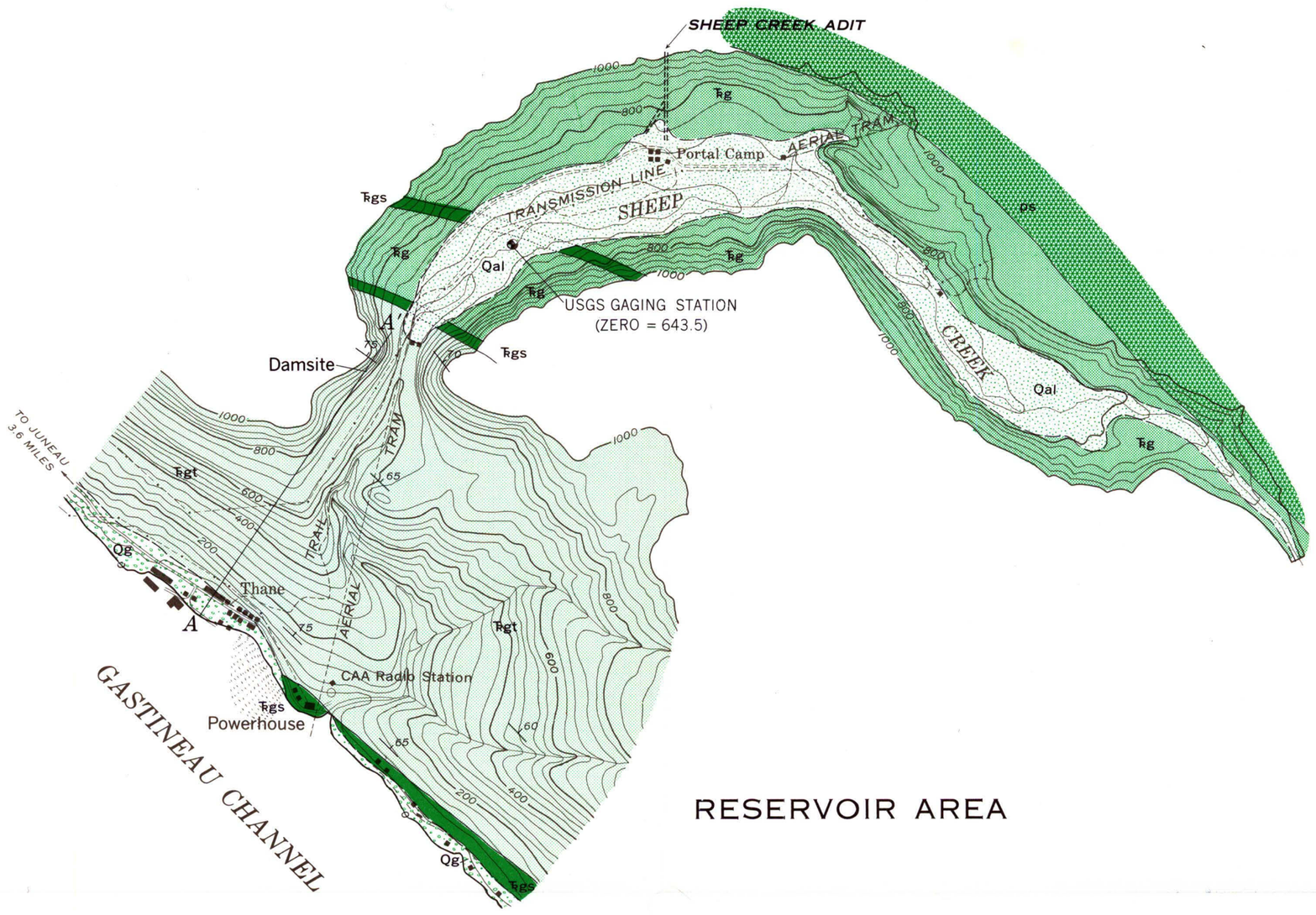
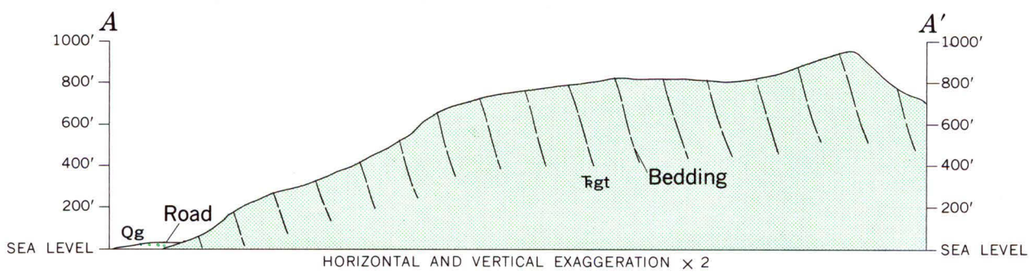


RESERVOIR AREA

1 ¾ ½ ¼ 0 1 MILE

CONTOUR INTERVAL 40 FEET

DATUM IS MEAN SEA LEVEL



HORIZONTAL AND VERTICAL EXAGGERATION × 2

EXPLANATION

UNCONSOLIDATED DEPOSITS

Recent

Qal — Alluvium and Talus

Predominantly moderately well sorted subrounded to rounded sand, granules, pebbles, and cobbles along Sheep Creek. Includes some poorly sorted angular debris at base of valley slopes

Qt — Talus

Predominatly unsorted to poorly sorted loose angular slabs and blocks of greenstone tuff and slate. Thin talus mantles over bedrock not differentiated on map

Pleistocene

Qg — Glacial deposits

Poorly sorted angular to subrounded sand, granules, pebbles, cobbles, and scattered boulders in a clayey silt matrix

QUATERNARY

BEDROCK

Upper Triassic

Ŧg, Ŧgt, Ŧgs — Gastineau volcanic group

Interbedded greenstone, greenstone tuff, slate, and limy beds.

Ŧg, *massive fine-grained greenstone.*

Ŧgt, *thin-bedded fine-grained greenstone tuff and a few slate and limy beds.*

Ŧgs, *fissile fine-grained black graphitic slate*

TRIASSIC

ps — Perseverance slate

Fissile fine-grained black graphitic slate and a minor amount of thin-bedded quartzite and thin-bedded limestone

PALEOZOIC(?) OR TRIASSIC(?)

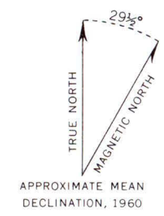
Contact

Dashed where approximately located; dotted where concealed

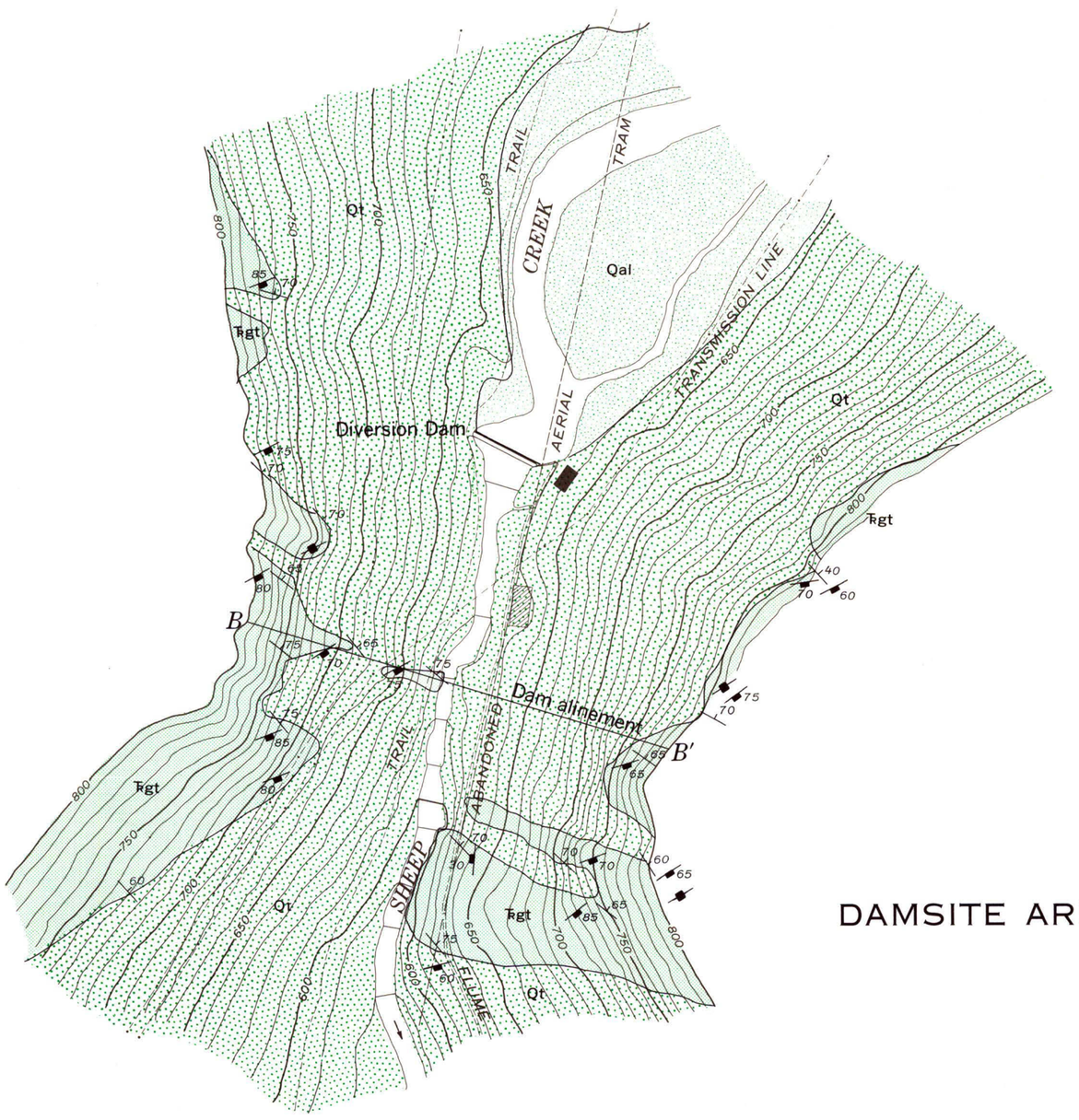
60 — Strike and dip of beds, may be overturned

75 — Strike and dip of joints

Strike of vertical joints



APPROXIMATE MEAN DECLINATION, 1960

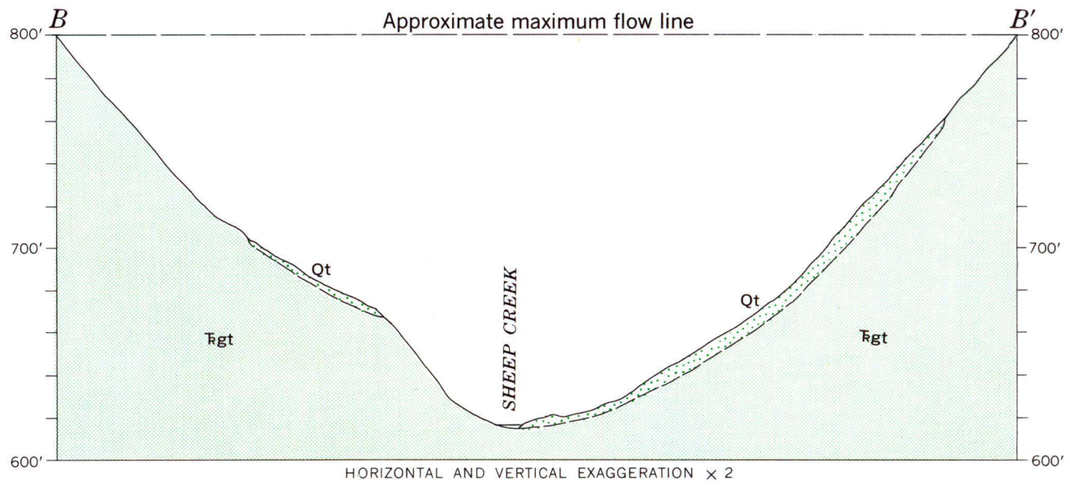


DAMSITE AREA

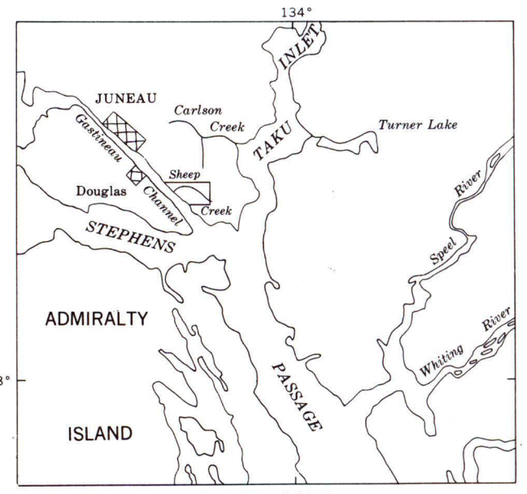
200 0 200 400 600 FEET

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

DATUM IS MEAN SEA LEVEL



HORIZONTAL AND VERTICAL EXAGGERATION × 2



INDEX MAP

Base from U. S. Geological Survey Sheep Creek and Carlson Creek, Alaska sheet

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

Geology of damsite area by George Plafker, 1954. Geology of reservoir area from published and unpublished U. S. Geological Survey reports

GEOLOGIC MAPS AND SECTIONS OF PROPOSED POWERSITE AT SHEEP CREEK, ALASKA