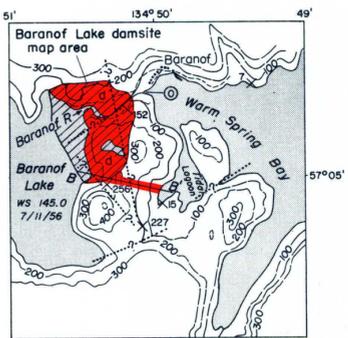
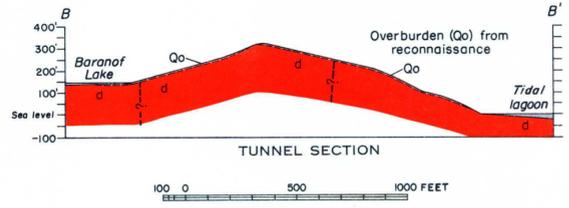


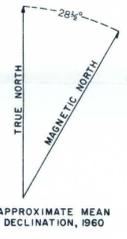
BARANOF LAKE DAMSITE



GENERAL MAP
Contour interval 100 feet
Dashed contours are approximately located
Datum is mean sea level



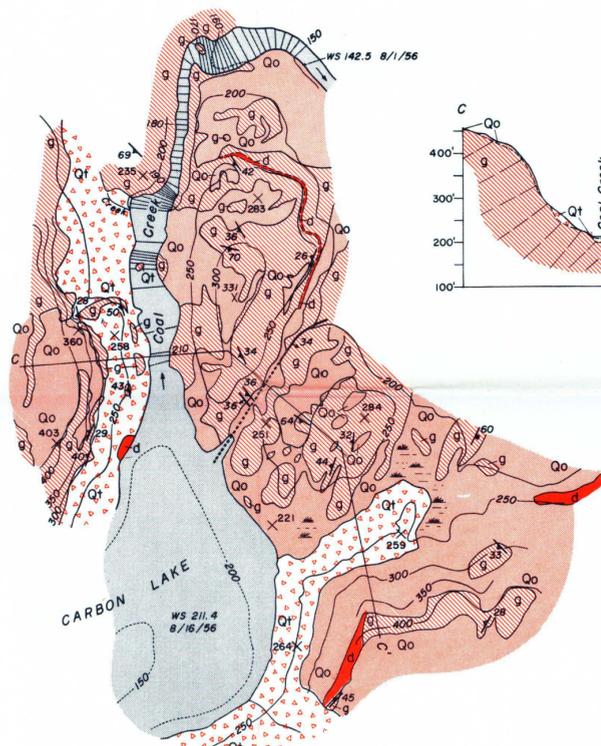
TUNNEL SECTION



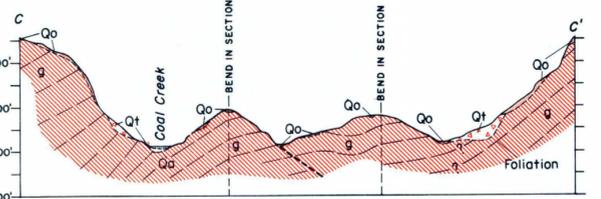
APPROXIMATE MEAN DECLINATION, 1960

EXPLANATION

- UNCONSOLIDATED DEPOSITS**
- Qa**
Alluvium
Gravel, sand, and silt. Active alluviation in stream channel
 - Qo**
Overburden
Topsoil, silt, sand, and gravel. Considerable talus may be intermixed on the steep sidewalls at Carbon Lake damsite. These areas are generally overgrown by grass, brush, and trees
 - Qt**
Talus
Large, angular blocks, some of which are as much as 20 feet in diameter
- BEDROCK**
- d**
Biotite-quartz diorite
Light to dark gray, medium to fine grained; contains crystals 1 to 4 mm in length. The biotite crystals are wavy, and many quartz and plagioclase crystals are slightly crushed or granulated
 - g**
Migmatite
Foliated rocks with layers of fine to medium grained granulated quartz and thin layers of wavy biotite. The rock is cut by numerous dikes and sheets of biotite-quartz diorite and probably is an injection gneiss
- CONTACT**
- Dashed where approximately located; dotted where under water
- FAULT OR SHEAR ZONE**
- Dashed where approximately located; dotted where concealed; questioned where probable. The concealed probable faults or shear zones are interpreted from prominent linear features on aerial photographs
- Strike and dip of minor fault
 - Strike and dip of foliation
 - Strike and dip of joints
 - Planetable bench mark
 - Spot elevation
 - River mileage
Measured from mouth of river
 - Altitude of water surface
With date of measurement
 - Direction of streamflow
 - Hot spring
With reference number



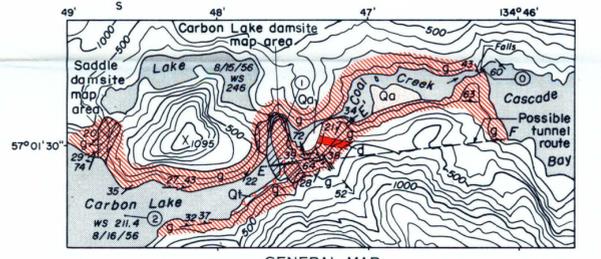
CARBON LAKE DAMSITE



TUNNEL SECTION

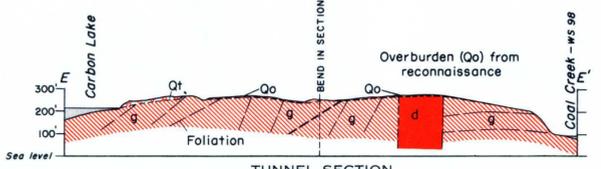


SADDLE DAMSITE



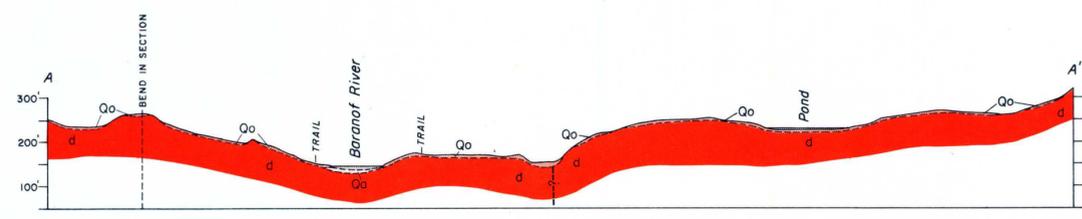
GENERAL MAP

Contour interval 100 feet
Datum is mean sea level



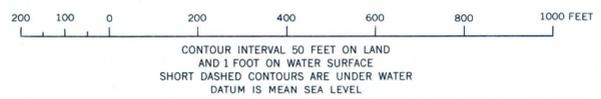
TUNNEL SECTION

CARBON LAKE POWERSITE



BARANOF LAKE POWERSITE

GEOLOGIC MAPS AND SECTIONS OF PROPOSED POWERSITES AT BARANOF AND CARBON LAKES, BARANOF ISLAND, ALASKA



Topography compiled from plan, profile, and damsite maps, Baranof Lake and Carbon Lake, Alaska, 1956, scales 1:2400, 1:4800, and 1:24 000; and Sitka (A-3) quadrangle, 1948, scale 1:63 360, U. S. Geological Survey