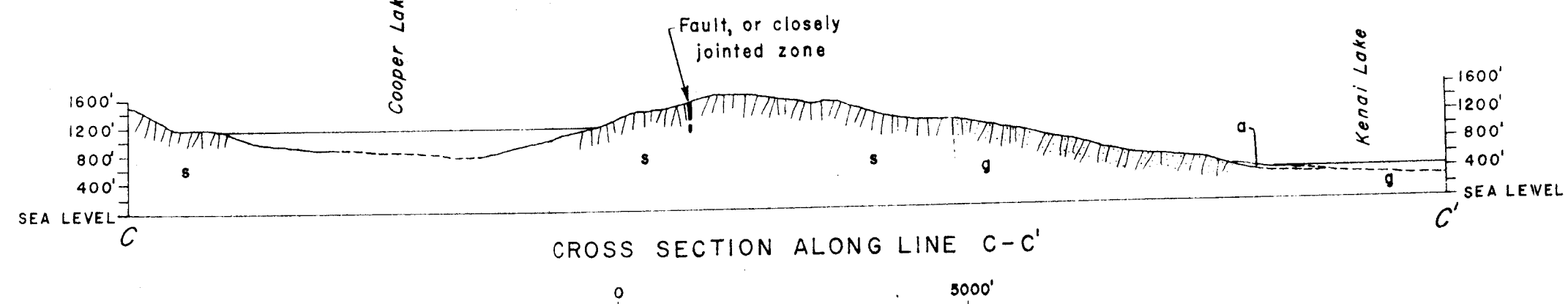
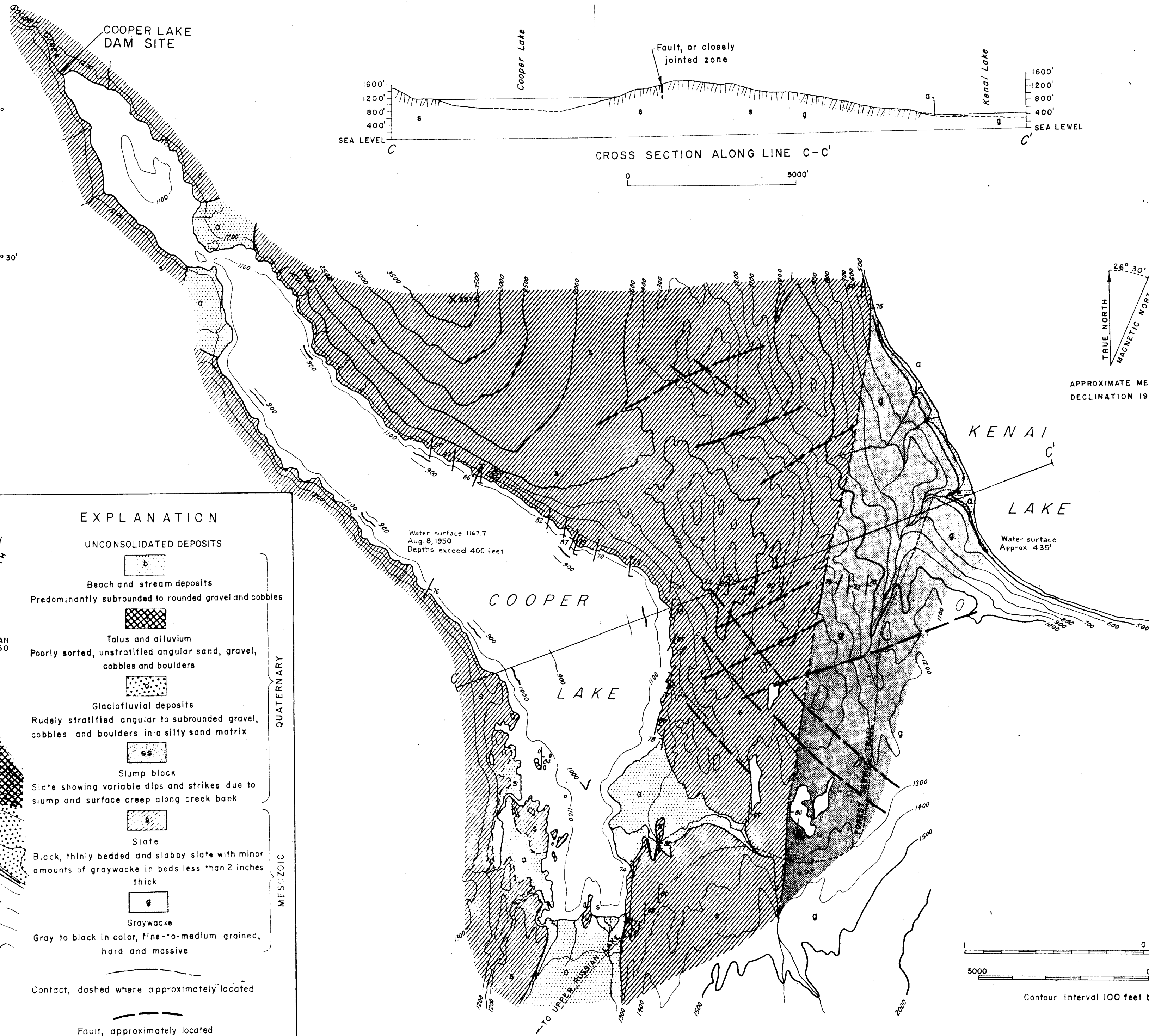
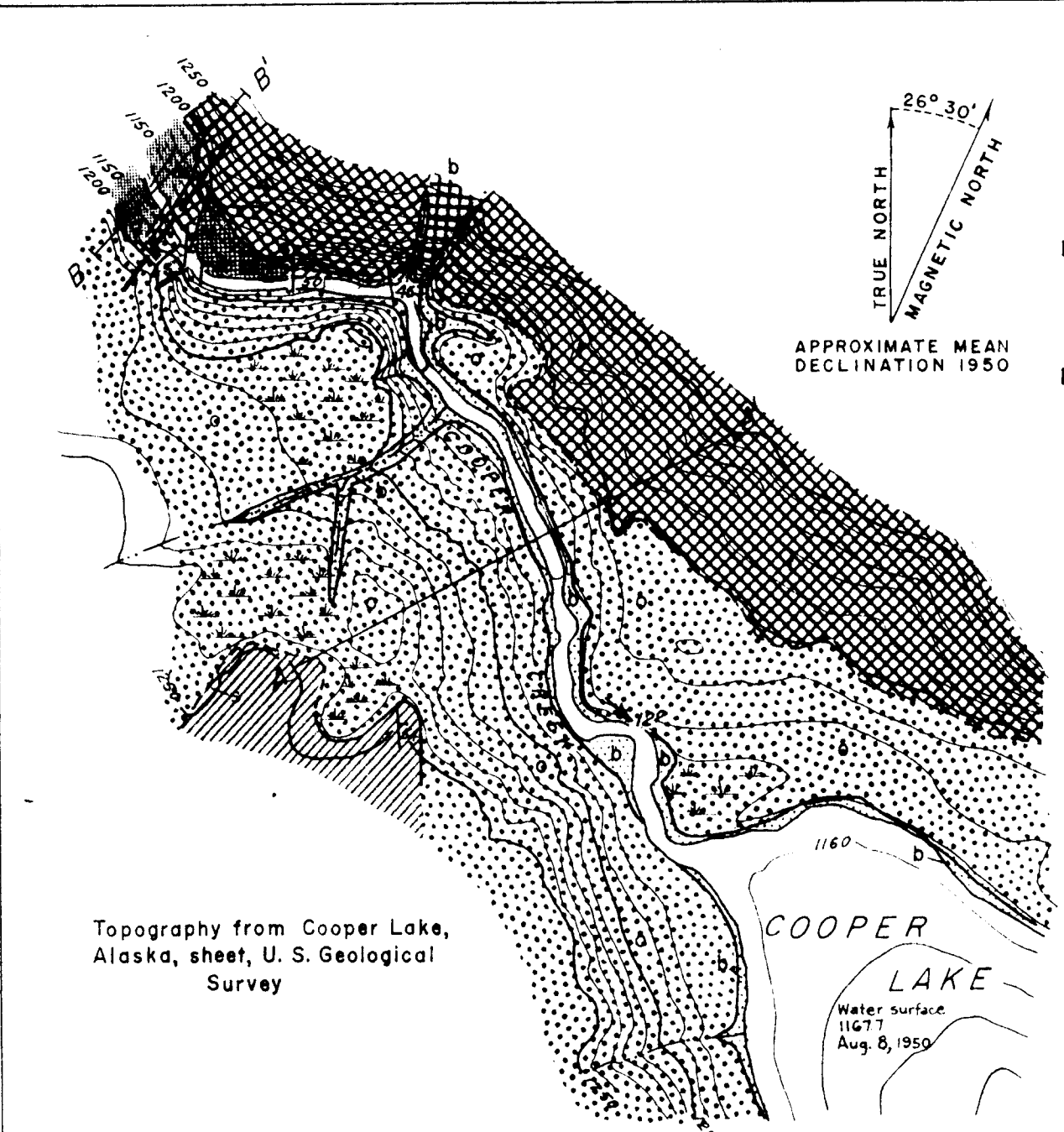


INDEX MAP



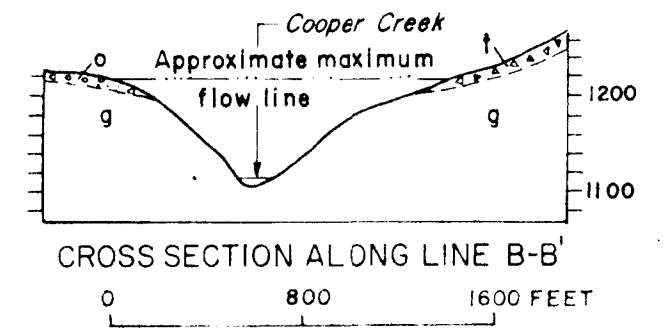
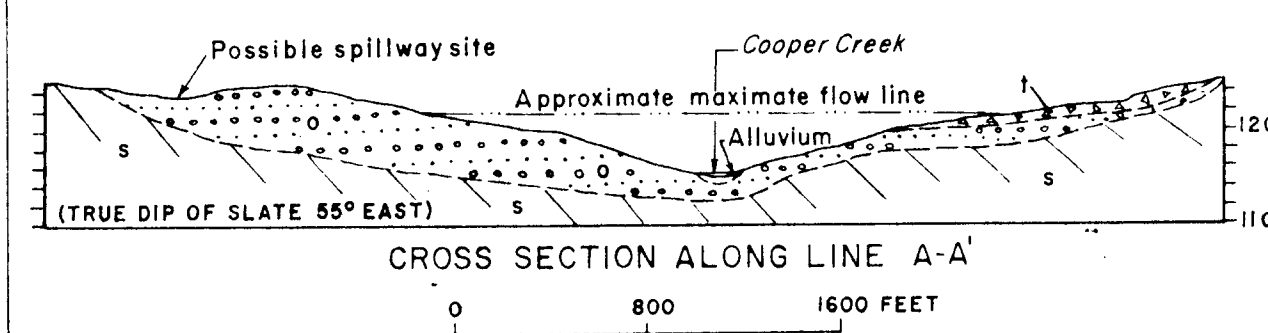
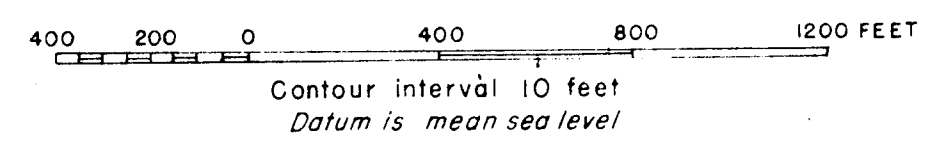
- EXPLANATION**
- UNCONSOLIDATED DEPOSITS**
- Alluvium
Predominantly sand, gravel, and cobbles
- BEDROCK**
- Predominantly slate
Black, thinly bedded and slabby slate with subordinate amounts of graywacke in relatively thin lenses
 - Interbedded graywacke and slate
Hard, massive graywacke in beds up to 500 feet thick interbedded with variable amounts of slate
- CONTACTS AND STRUCTURES**
- Contact, showing dip
(Dashed where approximately located)
 - Possible fault or closely jointed zone indicated by linear topographic depression
 - Strike and dip of bedding
(May be overturned)
 - Strike of vertical beds
 - Strike and dip of slaty cleavage
 - Strike of vertical cleavage

TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION 1950



- EXPLANATION**
- UNCONSOLIDATED DEPOSITS**
- Beach and stream deposits
Predominantly subrounded to rounded gravel and cobbles
 - Talus and alluvium
Poorly sorted, unstratified angular sand, gravel, cobbles and boulders
 - Glaciofluvial deposits
Rudely stratified angular to subrounded gravel, cobbles and boulders in a silty sand matrix
 - Slump block
Slate showing variable dips and strikes due to slump and surface creep along creek bank
 - Slate
Black, thinly bedded and slabby slate with minor amounts of graywacke in beds less than 2 inches thick
 - Graywacke
Gray to black in color, fine-to-medium grained, hard and massive
- CONTACTS AND STRUCTURES**
- Contact, dashed where approximately located
 - Fault, approximately located
 - Strike and dip of beds (may be overturned)
 - Strike of vertical beds
 - Stratification in unconsolidated deposits

COOPER LAKE DAM SITE



Topography compiled from Cooper Lake, Alaska sheet, scale 1:24,000, U. S. Geological Survey; and the Cooper Lake Quadrangle, scale 1:50,000, Corps of Engineers, U. S. Army; and aerial photographs, scale 1:40,000.

GEOLOGIC MAP OF COOPER LAKE POWER SITE, ALASKA

Geology by George Platker
Mapped in August, 1950

This report is preliminary and has not been edited or reviewed for conformity with U. S. Geological Survey standards and nomenclature.

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