UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GEOLOGIC MAP AND SECTIONS OF PART OF THE VALLEY OF LIGNITE CREEK, ALASKA

R. 8 W. R. 7 W. R. 6 W. R. 5 W.

T. 11 S. T. 12 S.

EXPLANATION

- Qal — Alluvium
- Qtg — Terrace gravel
- UNCONFORMITY
- Tn — Nenana gravel
- Tcb — Coal-bearing formation including brown shale bed, Tbs
- UNCONFORMITY
- pCbc — Birch Creek schist

QUATERNARY / TERTIARY / PRE-CAMBRIAN

- Contact — Dashed where approximately located, questioned where doubtful
- Fault, showing dip — U, Upthrown side; D, Downthrown side. Dashed where approximately located, dotted where concealed
- Anticline — Showing trace of axial plane and direction of plunge of axis
- Syncline — Showing trace of axial plane and direction of plunge of axis
- Strike and dip of beds
- Horizontal beds
- Outcrop of coal bed, dashed where approximately located, dotted where concealed. Letter designations of beds after G. C. Martin, U. S. Geological Survey Bulletin 664, p. 40
- Burning bed
- Burned bed
- (2) Location of stratigraphic section, see plate 21

N E N A N A

R I V E R

Lignite Creek

Marguerite Creek

Henderson Creek

Toposwitch Cabin

TRUE NORTH
MAGNETIC NORTH

A — A′ / B — B′ / C — C′

Sea level

Topography from General Land Office township plats. Small area in S.W. corner revised planimetrically by U.S. Geological Survey

1 0 2 Miles

Contour interval 250 feet
Datum is mean sea level

Geology by Clyde Wahrhaftig and C. A. Hickcox, 1945