EXPLANATION

SEDIMENTARY ROCKS

QUATERNARY

Qal
Alluvium

QTg
Gravel
Includes glacial, high-level terrace, and pediment gravels

TERTIARY

Ts
Sagavanirktok formation

UNCONFORMITY

CRETACEOUS

Upper Cretaceous

Kiu
Ignek formation, upper member
UNCONFORMITY

Nanushuk group

Knn
Ninuluk formation

Knck
Chandler formation, Killik tongue

Knt
Tuktu formation

Kn
Nanushuk group undifferentiated

Kil
Ignek formation, lower member

Ki
Ignek formation undifferentiated

Lower Cretaceous

Kt
Torok formation

Kfm
Fortress Mountain formation

UNCONFORMITY

Ko
Kok
Okpikruak formation
Kemik sandstone member, Kok

KJot
Okpikruak and Tiglukpuk formations, undifferentiated

KJok
Okpikruak formation and Kingak shale, undifferentiated

DISCONFORMITY IN NORTHERN PART OF AREA; UNCONFORMITY IN SOUTHERN PART

JURASSIC

Jt
Tiglukpuk formation

Jk
Kingak shale

DISCONFORMITY

TRIASSIC

TRs
Shublik formation

DISCONFORMITY

PERMIAN

TRPs
TRsi
Pse
Sadlerochit formation
Ivishak member, TRsi; *Echooka member,* Pse

DISCONFORMITY

MISSISSIPPIAN
CARBONIFEROUS

Ml
Lisburne group

IGNEOUS ROCKS

ir
Intrusive rocks

Contact
Dashed where approximately located, dotted where concealed, queried where doubtful

Fault
Showing relative movement. Dashed where approximately located, dotted where concealed, queried where doubtful. U, *upthrown side;* D, *downthrown side*

Thrust fault
Dashed where approximately located, dotted where concealed, queried where doubtful. T, *upper plate*

Anticline
Showing axial plane and direction of plunge. Dashed where approximately located, dotted where concealed, queried where doubtful

Overturned anticline

Syncline
Showing axial plane and direction of plunge. Dashed where approximately located, dotted where concealed, queried where doubtful

Overturned syncline

20
Strike and dip of beds

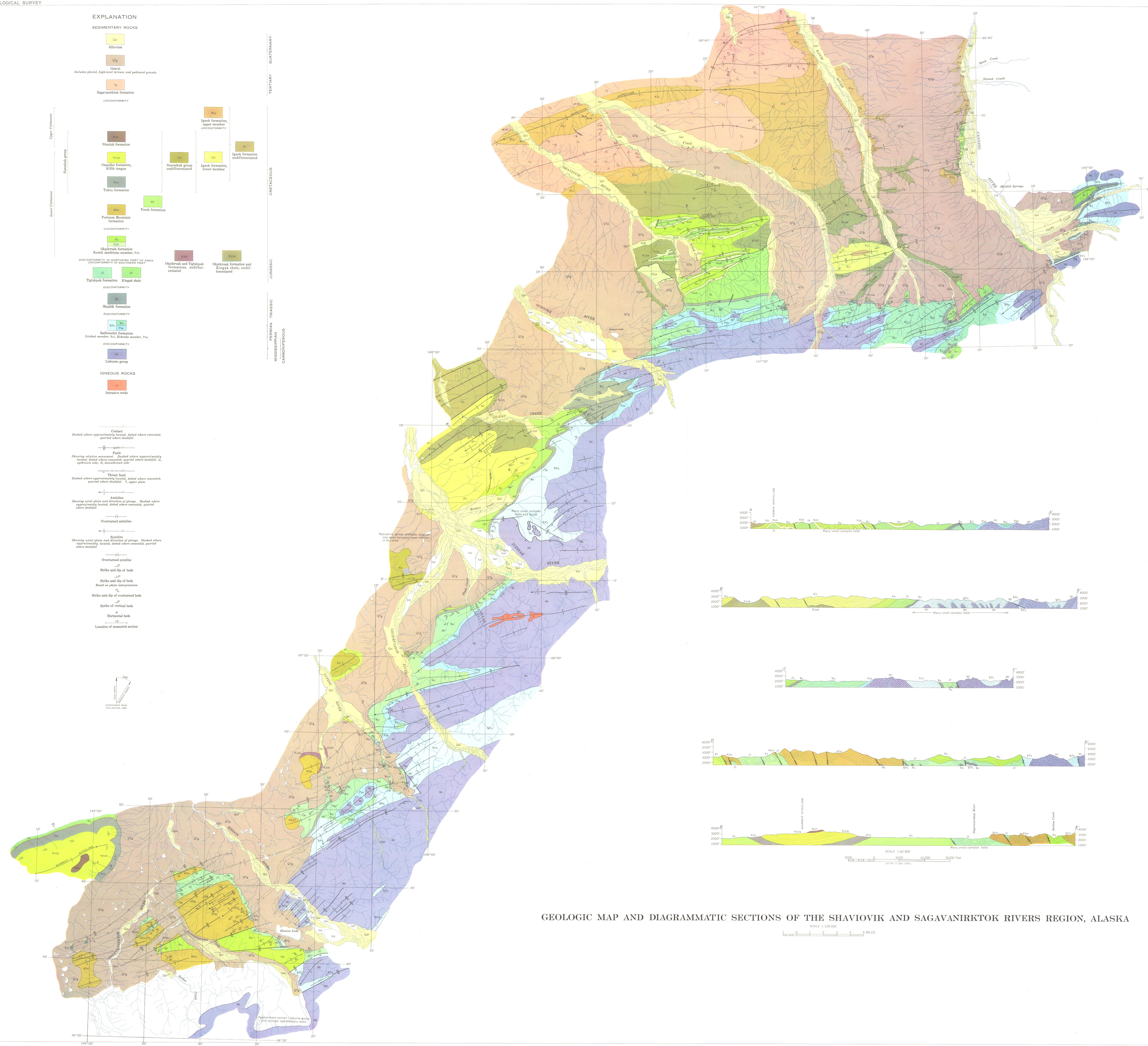
30
Strike and dip of beds
Based on photo interpretation

70
Strike and dip of overturned beds

90
Strike of vertical beds

Horizontal beds

19
Location of measured section



GEOLOGIC MAP AND DIAGRAMMATIC SECTIONS OF THE SHAVIOVIK AND SAGAVANIRKTOK RIVERS REGION, ALASKA

SCALE 1:125 000
1 0 1 2 3 4 5 MILES

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C. MR 2526

Geology by A. S. Keller and R. L. Detterman, 1951
and A. S. Keller and R. H. Morris, 1952