

EXPLANATION

SURFICIAL DEPOSITS

Recent
Qp Flood-plain deposits
Gravel, sand, silt, and intermixed wood, peat, and other organic material

Pleistocene
Qc Glacial deposits
Morassal fill and outwash gravel

Qs Silt deposits
Massively bedded buff-colored silt

BEDED ROCKS

Qte Gravel deposits
Gravel and associated small quantities of sand and silt that lie on rock benches and form terraces; they extend beneath the other surficial deposits as buried gravels

ANGULAR UNCONFORMITY

Tw Waterboob basalt
Olivine basalt flows

Th Holokuk basalt
Basalt flows and interbedded basaltic detritus, sand, and gravel

Tg Getemna rhyolite group
Tg, rhyolite lava and Tg, tuff

ANGULAR UNCONFORMITY (?)

Ki Lillitarad basalt
Basalt flows, underlain by thin sedimentary breccia, may include some basalt sills

DISCONFORMITY

Kk Kuskokwim group
Kk, interbedded gneiss and shale, intraformational breccia and conglomerate, and local zones of basal breccia and conglomerate; Kk, altered to hornfels, in contact-metamorphic zones adjacent to stocks of igneous rock

REGIONAL UNCONFORMITY

KSPG Gemuk group
Chiefly siltstone, interbedded with lesser amounts of shert and volcanic rock, and very minor amounts of limestone, sandstone, and breccia

DISCONFORMITY (?)

Pal Holitna group
Partly dolomitic limestone, chiefly massive but thinner bedded in the upper zones; contains small reeflike deposits and locally intraformational conglomerate and breccia

INTRUSIVE IGNEOUS ROCKS

Qm Quartz monzonite
Forms stocks chiefly of quartz monzonite, but which range from granodiorite to granite; minor facies include basalt, quartz diorite, granite pegmatite, and apatite

Qd Quartz diorite
Forms dikes, sills, and small stocklike bodies of quartz diorite and related rocks, which range from basalt to granodiorite

Ht Basalt
Forms dikes and sills, some of which are columnar

Ar Albita rhyolite
Forms sheets, dikes, and sills; large bodies are porphyritic, small bodies nonporphyritic

--- Contact
Dashed where approximately located or inferred

--- High angle fault
U, upthrown side; D, downthrown side.
Dashed where approximately located, dotted where concealed

--- Thrust fault
Dashed where approximately located, dotted where concealed

--- Axis of anticline
Dashed where hypothetical and diagrammatic

--- Axis of syncline
Dashed where hypothetical and diagrammatic

--- Strike and dip of Holokuk and Waterboob basalts

○ Fossil locality

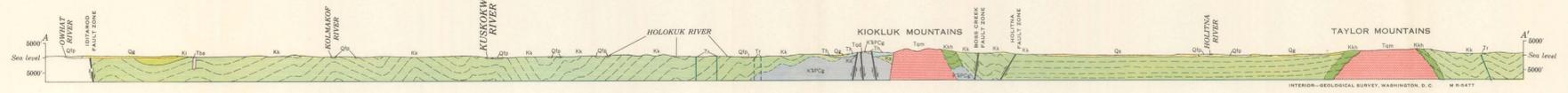
⊙ Mine

× Prospect

— Trail

Base from U. S. Geological Survey Alaska
Map 55, Preliminary edition of Nov. 1947

Geology by W. M. Cary, R. E. Wallace, J. M. Hoar, and E. J. Webber, assisted by George Gray, C. A. Hickox, R. V. Dushman, and S. F. Johnson. Surveyed 1941-1945



GEOLOGIC MAP AND STRUCTURE SECTION OF THE CENTRAL KUSKOKWIM REGION, ALASKA

