U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

OPEN-FILE REPORT 03-105
Version 1.0

Preliminary geologic map of the northeast Dillingham quadrangle
(D-1, D-2, C-1, C-2), Alaska

Pamphlet accompanies map

Preliminary geologic map of the northeast Dillingham quadrangle (D-1, D-2, C-1, C-2), Alaska

by

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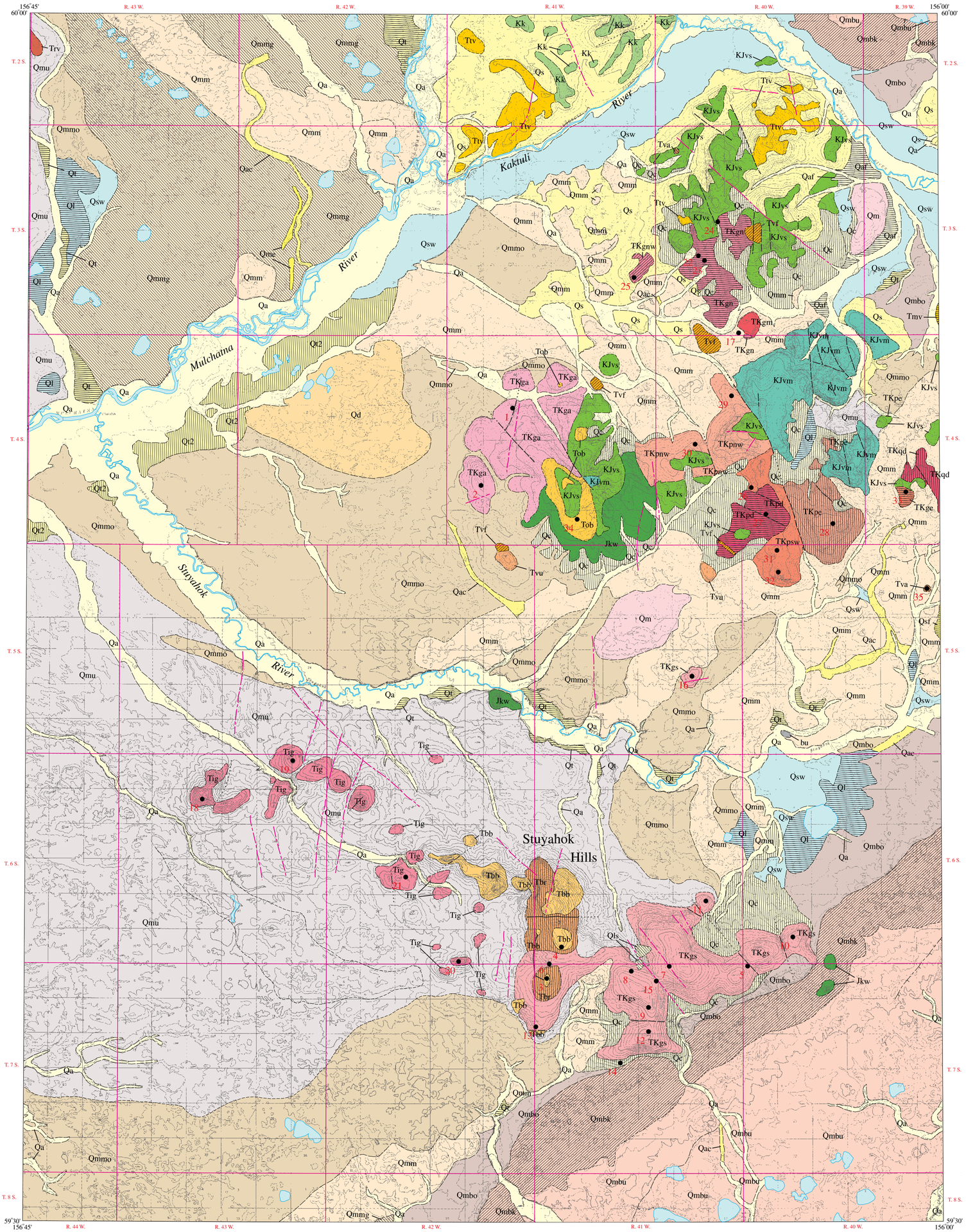
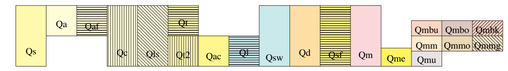
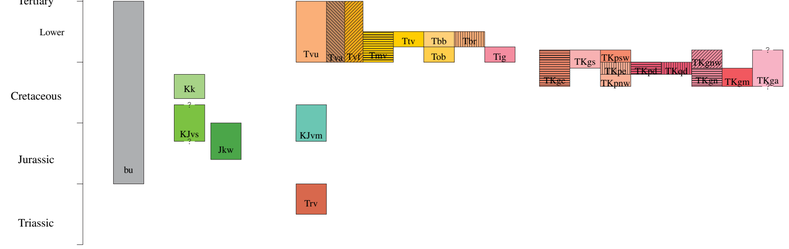


Correlation of Map Units

Unconsolidated deposits





List of map units

Quaternary surficial deposits

- Qs Undifferentiated surficial deposits--Locally subdivided into:
- Qa Alluvium
- Qaf Alluvial fan deposits
- Qc Colluvial deposits
- Qls Landslide deposits
- Qt Terrace deposits
- Qt2 Older terrace deposits
- Qac Abandoned channel deposits
- Ql Lacustrine deposits
- Qsw Swamp deposits
- Qd Eolian sand
- Qsf Solifluction deposits
- Qm Glacial Deposits--Locally subdivided into:
- Qme Esker deposits
- Qmbu Undifferentiated glacial deposits of the Brooks Lake glaciation (Detterman, 1986) of Late Wisconsin age--Subdivided into:
- Qmbk Brooks Lake, Kvichak moraine
- Qmbo Outwash deposits of the Brooks Lake glaciation
- Qmm Glacial deposits of the Mak Hill glaciation--Locally subdivided into:
- Qmmg Ground moraine of the Mak Hill glaciation
- Qmmo Outwash deposits of the Mak Hill glaciation
- Qmu Glacial deposits of an unnamed older glaciation of Platt (1957?)

Rock units

- bu Possible bedrock of unknown character

Sedimentary rocks

Cretaceous

- Kk Kuskokwim Group

Early Cretaceous (?) to Middle Jurassic (?)

- KJvs Volcanic and sedimentary rocks

Middle to early Late Jurassic

- Jkw Graywacke of Kulukak Bay-- (3150)

Igneous rocks

Volcanic and hypabyssal rocks

Tertiary

- Tvu Volcanic rocks, undivided--Locally subdivided into:
- Tva Andesite plug
- Tvf Felsic hypabyssal rocks

Tertiary, Eocene or older

- Tmv Volcanic rocks, undivided, basalt and andesite
- Ttv Felsic volcanic rocks
- Tbb Bimodal volcanic suite, olivine basalt
- Tbr Bimodal volcanic suite, rhyolitic and dacitic tuff
- Tob Older olivine basalt

Tertiary, Paleocene

- Tig Ignimbrite

Cretaceous or older

- KJvm Olivine basalt flows and fragmental mafic volcanic rocks

Triassic(?)

- Trv Mafic igneous rocks

Plutonic rocks

Tertiary and Cretaceous

Granitic rocks, undivided--Locally subdivided into:

- TKge Eastern granitic rocks
- TKgs Granitic rocks of the eastern Stuyahok Hills

Pike Creek plutonic complex

- TKpnw Pike Creek plutons, northwestern unit
- TKpsw Pike Creek plutons, southwestern unit
- TKpe Pike Creek plutons, eastern unit
- TKpd Monzodioritic rocks of Pike Creek
- TKgn Northern pluton
- TKgm Granitic rocks and mixed hornfels and dikes
- TKgnw Northwest pluton
- TKga Alaskite
- TKqd Monzonitic rocks

Map symbols

- Stratigraphic contacts -- Approximate
- Stratigraphic contacts -- Inferred
- Internal contacts
- Faults -- Certain
- Faults -- Approximate
- Faults -- Concealed
- Photolinears
- Shorelines
- Dating sample locations

SCALE 1: 100 000

3 0 3 6 MILES

3 0 3 6 KILOMETERS

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