

Figure 3. - Geologic map of the Watana Lake area, Talkeetna Mountains, Alaska

Base from USGS 1:63,360 topographic series;
Talkeetna Mountains (D-2); (D-3); (C-2); (C-3) 1951
Contour Interval 100 Feet

EXPLANATION

Layered rocks

Qal
Alluvium

Qgl
Glacial deposits

Pzf Metavolcanic unit
Pze Coarse metavolcaniclastic unit
Pzd Metatuff unit
Pzc Phyllite unit
Pzb Fossiliferous marble unit
Pza Basal metavolcaniclastic unit

Metavolcanic and
metavolcaniclastic
sequence

Intrusive rocks

Mzdb
Metadiabase

Contact, approximately located

• 3.
Location of chemically analyzed representative bedrock sample. Number refers to sample number in table 1

50
Approximate strike and dip of beds

fx
Fossil locality

EXPLANATION

Layered rocks

Qal
Alluvium

Qgl
Glacial deposits

Tpa
Pyroxene andesite

Tdp
Dacite porphyry

Pzb Metavolcaniclastic unit
Pzm Marble interbed
Pza Metavolcanic unit

Metavolcanic and
metavolcaniclastic
sequence

Contact, approximately located

• 2.
Location of chemically analyzed representative bedrock sample. Number refers to sample number in table 2.

Intrusive rocks

TKqd
Quartz diorite

Mzdb
Metadiabase

155
Approximate strike and dip of marble interbed

Grav. fault, approximately located; dashed where inferred. Teeth indicate downthrown side.

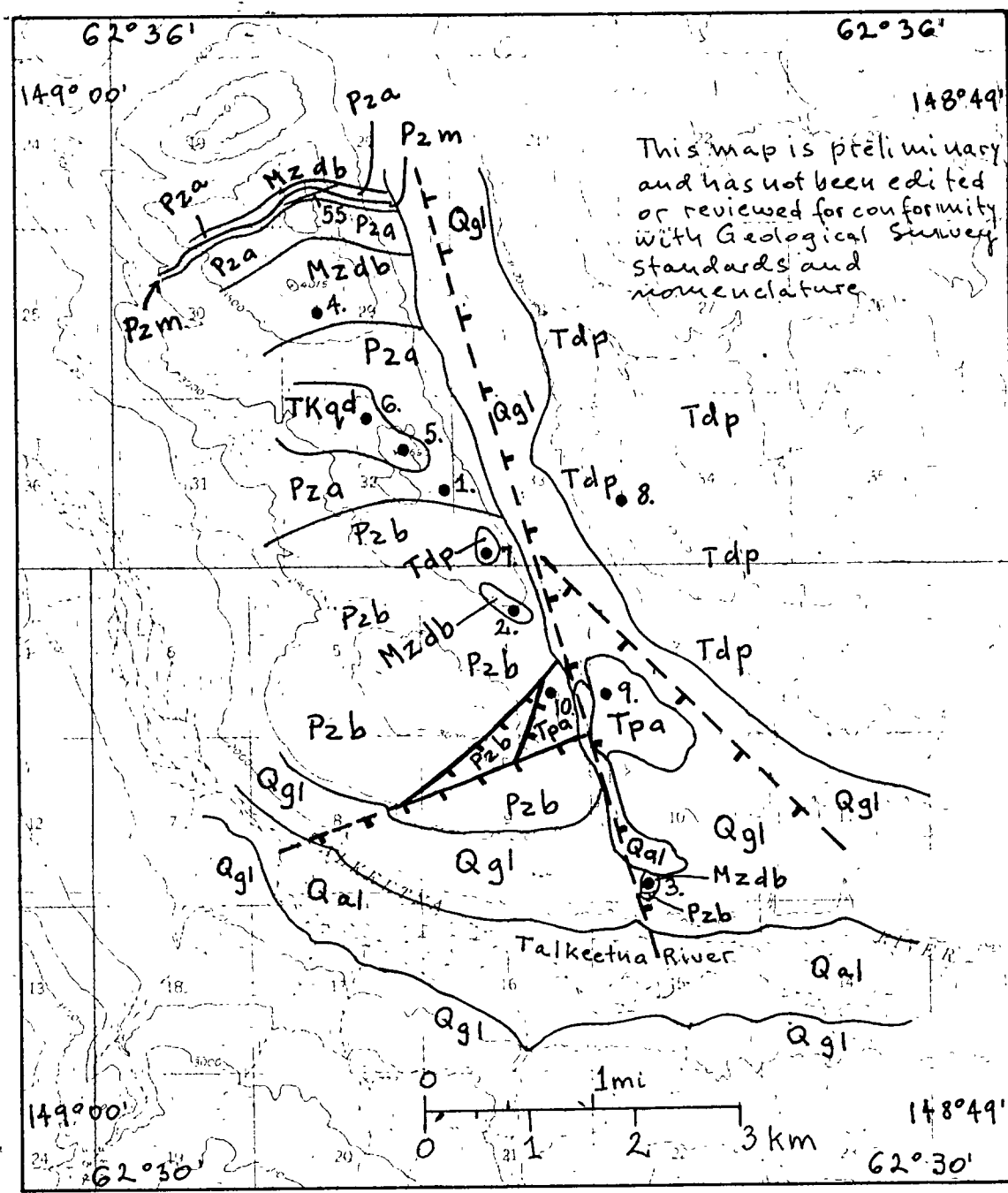


Figure 4. - Geologic map of a part of the Talkeetna Mountains C-4 quadrangle, Talkeetna Mountains, Alaska

Base from USGS 1:63,360 topographic series;
Talkeetna Mountains (C-4) 1951
Contour Interval 100 Feet

EXPLANATION

Layered rocks

Qs
Surficial deposits, glacial deposits and alluvium undifferentiated

Pzv
Pzm
Pzv
Metavolcanic and marble sequence

Contact, approximately located

60
Strike and dip of foliation

55
Strike of vertical foliation

Bearing and plunge of lineation

Intrusive rocks

TKbz
Border zone of gneiss, tonalite-quartz diorite, contact schists, and alaskitic adamellite and granodiorite

TKwp
Tonalite-quartz diorite of western pluton

TKep
Tonalite-quartz diorite of eastern pluton

BΔ
Location of sample dated by potassium-argon method. Letter refers to sample designation in table 4.

• 6.
Sample location of chemical and/or modal analyses. Number refers to sample number in table 3.

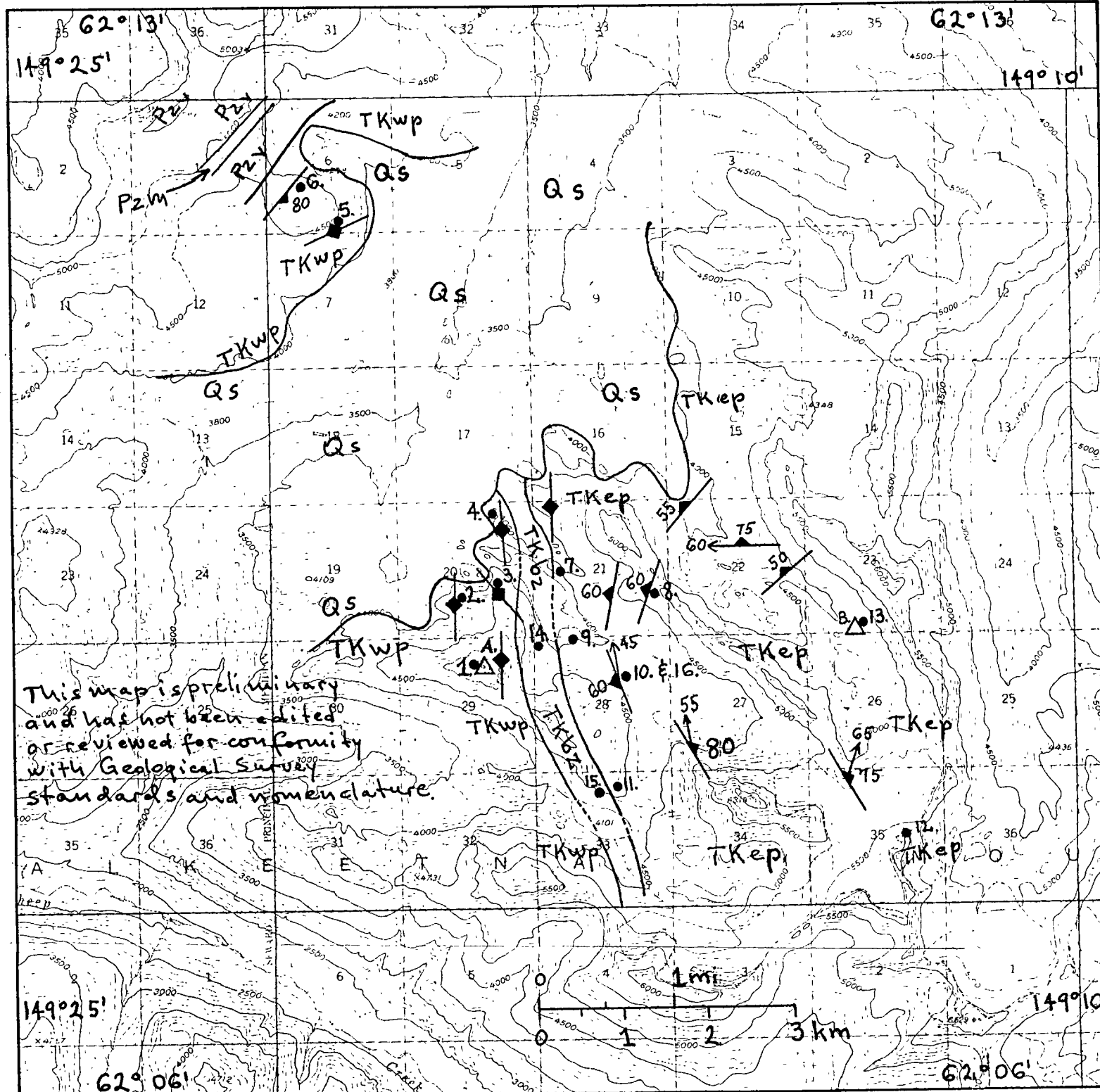


Figure 5. - Geologic map of a part of the Talkeetna Mountains A-5 quadrangle, Talkeetna Mountains, Alaska

Base from USGS 1:63,360 topographic series;
Talkeetna Mountains (A-5) 1950
Contour Interval 100 Feet