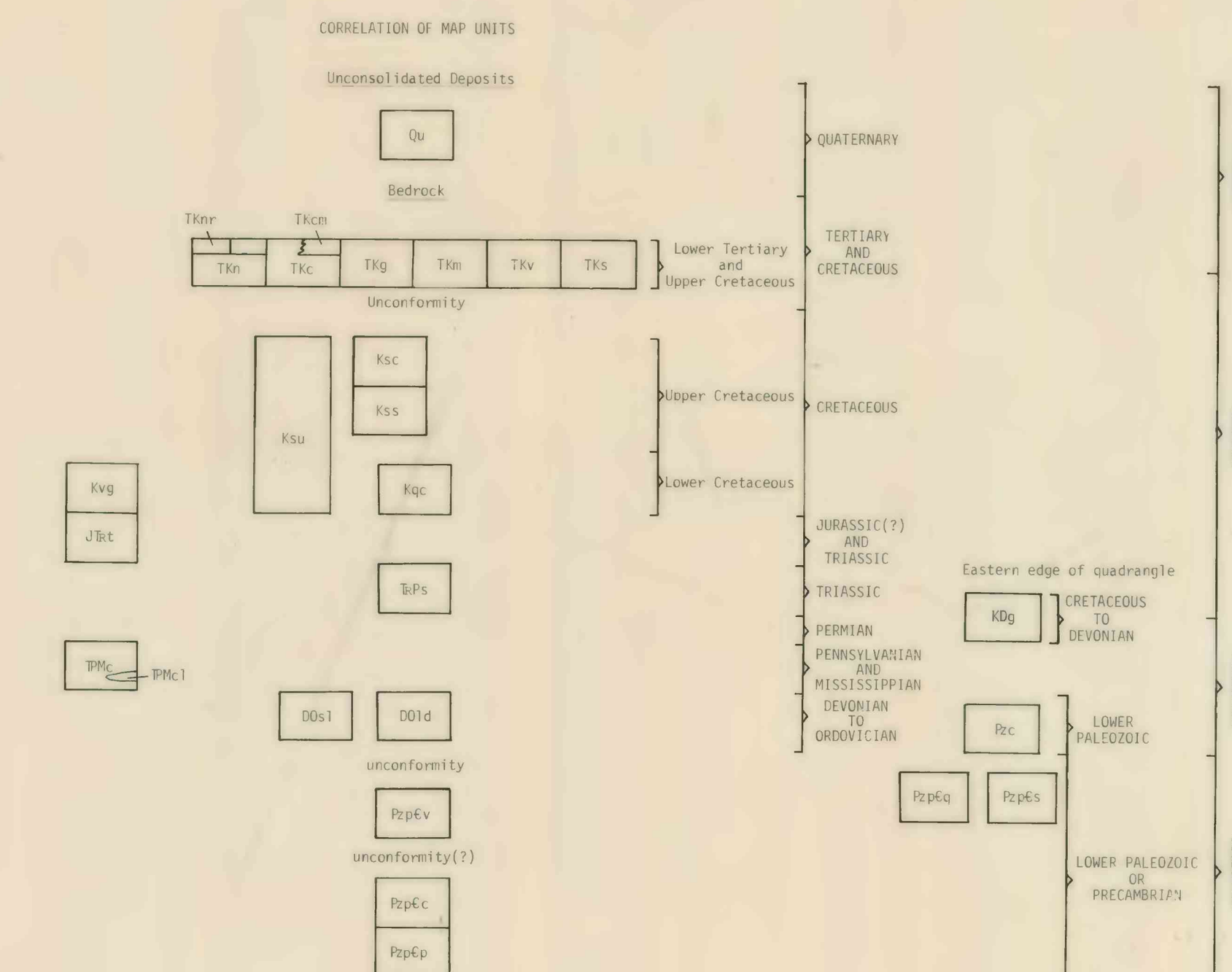


Explanation for Generalized Geologic Map



DESCRIPTION OF MAP UNITS

Qu	UNDIFFERENTIATED SURFICIAL DEPOSITS
Ttr	VOLCANIC ROCKS OF THE NOMITNA RIVER AREA--Chiefly trachyandesite basaltic andesite, and basalt flows. Ttrn--Rhyolite domes, tufts, and breccia
Tkn	MAFIC TO INTERMEDIATE VOLCANO-PLUTONIC COMPLEXES--altered basalt andesite, and trachyandesite flows and hyalobasalt
Tkc	Tkcn--Shall bodies of monzonite, quartz monzonite, and granod
Tgr	GRANITE
Tzn	MONZONITE
Tdv	VOLCANIC ROCKS OF NIXON FORK--UPPER SILIKUMA RIVER AREA--Rhyolite, dacite, and trachyandesite sills, dikes, flows, and plugs
Tks	VOLCANIC ROCKS OF THE SISONI MOUNTAINS--rhyolite and dacite flows and domes
Kdg	GABBRO
Ksu	UNDIFFERENTIATED SHALE, SILTSTONE, AND SANDSTONE
Ksc	NOMADINE SANDSTONE AND QUARTZ-CHERT CONGLOMERATE
Kss	MARINE SANDSTONE, SILTSTONE, AND SHALE
Kqc	QUARTZ-CARBONATE SANDSTONE AND PERBLY MUDSTONE
Kvg	VOLCANIC GRAWACKE AND CONGLOMERATE
Jbt	CHERTY TUFF, CRYSTAL AND LITHIC TUFFS, AND VOLCANIC BRECCIA
SPs	SANDSTONE, SANDY LIMESTONE, SPICULITE, AND CONGLOMERATE
PHc	CHERT AND LIMESTONE--Chiefly radiolarian chert. PHc1--Limestone
DOs1	SHALY LIMESTONE
DOd	LIMESTONE AND DOLOMITE
Pcc	CHERT AND PHYLITE
Pzp4q	QUARTZITE, GRIT, AND ARGILLITE
Pzp4s	SHEARED GRIT, QUARTZITE, AND QUARTZ-MICA SCHIST
Pzp4v	METAVOLCANIC ROCKS--Metarhyolite and dacite
Pzp4c	CALC-SCHIST
Pzp4p	PELITIC SCHIST

GEOLOGIC SYMBOLS

— Contact - Includes approximately located, inferred, and indefinite

- - - Fault - Dashed where approximately located, short dashed where inferred, dotted where concealed. U, upthrown side; D, downthrown side

 Anticline - Showing direction of plunge

Syncline - Showing direction of plunge

Strike and dip of beds. May include overturned beds.

Strike of vertical beds

Horizontal beds

Strike and dip of beds based on photointerpretation or distant observation

Strike and dip of foliation

Contact between PzpEc and PzpEp mapped in part based on interpretation of aeromagnetic data (see Patton and others, Open-File Report 80-811E, in preparation)

Explanation for Mineral Occurrence Map

15 Location of stream placer showing
general location on stream drainage

² ☐ Location of lode claim or mine

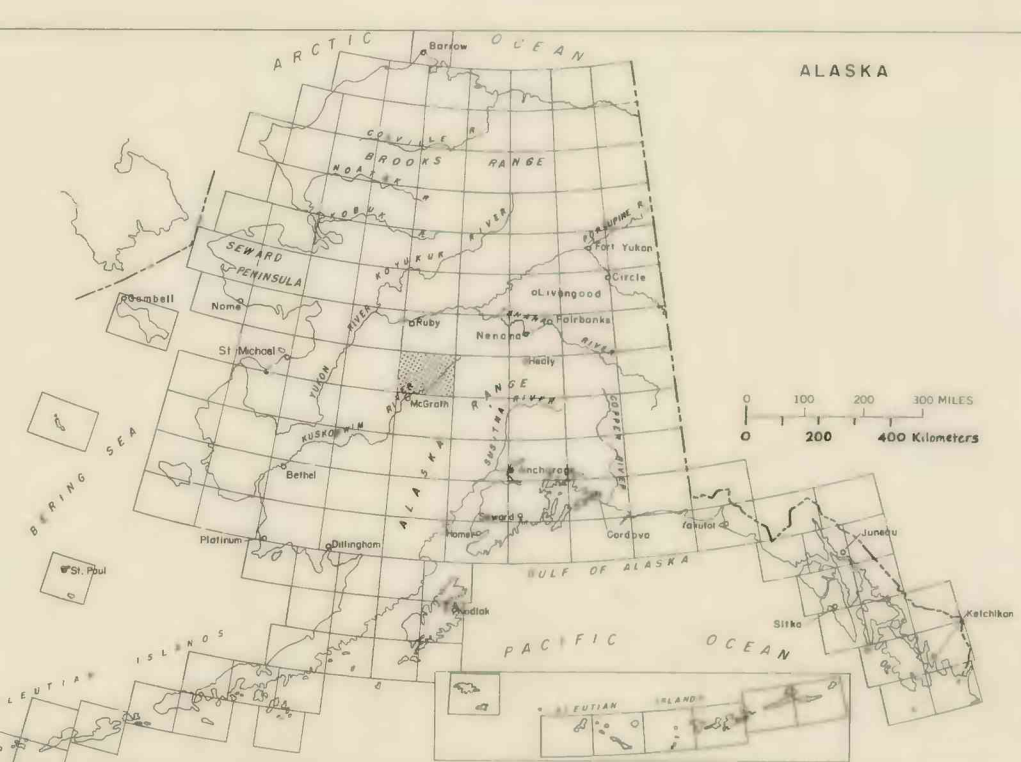
41 ○ Occurrence of sulfides and other indicators of mineralization

130 Location of bedrock samples containing geochemical anomalies, but no visible mineralization

This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature.

by
C. E. Schwab, W.W. Patton, Jr. and E. J. Moll

1981



INDEX MAP SHOWING LOCATION OF MEDERA QUADRANGLE, ALASKA