DEPARTMENT OF THE INTERIOR
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89-551

Field mapping by: D.C. Blanchard, 1981; W.P. Brosge, 1966, 1974; S.M. Curtis, 1979; J.T. Dillon, 1985; J.A. Dumoulin, 1983, 1984, 1985, 1986; J.T. Dutro, 1983; I.F. Ellersieck, 1976, 1979, 1981, 1983, 1984; M. Flaherty, 1985; P.F. Folger, 1983, 1984, 1985; W. Hamilton, 1976; A.G. Harris, 1983, 1984; S.M. Karl, 1983, 1984 1985, 1986; D. Kaufman, 1985; C.F. Mayfield, 1974, 1976, 1979, 1981; T.P. Miller, 1966; S.W. Nelson, 1986, 1987; W.W. Patton, 1961, 1965, 1966, 1967; G.H. Pessel, 1974; J.M. Schmidt, 1983, 1984, 1985, 1986, 1987; H.N. Reiser, 1966; I.L. Tailleur, 1955, 1961, 1966, 1976, 1979, 1981, 1983; W. Thompson, 1984, 1985; A.B. Till, 1985, 1986, 1987; M.R. Zayatz, 1986

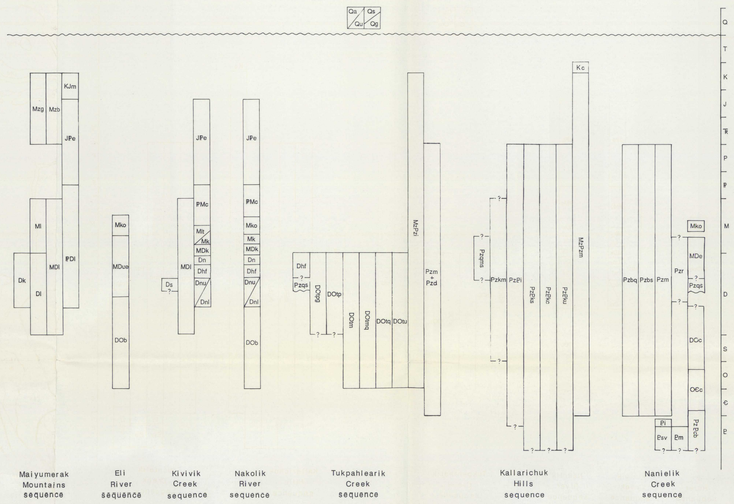
Base from U.S.G.S. topo series
1:250,000 BAIRD MTS., SELAWIK
compiled in Menlo Park SWTR
Ellersieck 2/83

APPROXIMATE MEAN DECLINATION, 1980

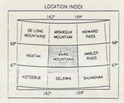
SCALE 1:250 000

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards or with the North American Stratigraphic Code. Any use of trade, firm, or product names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

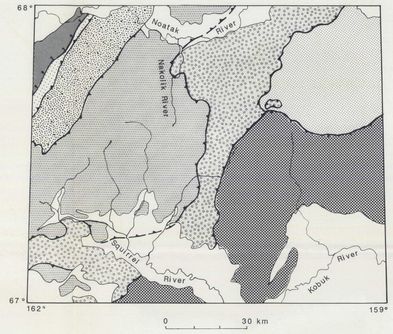
CORRELATION OF MAP UNITS



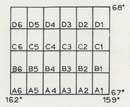
QUADRANGLE LOCATION



DISTRIBUTION OF STRATIGRAPHIC SEQUENCES



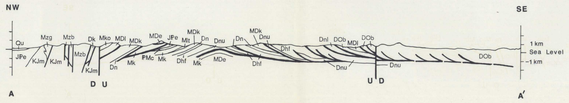
QUADRANGLE LOCATIONS WITHIN MAP



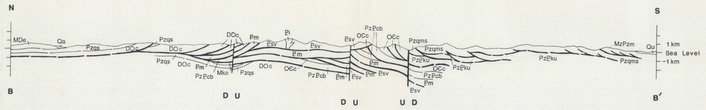
EXPLANATION

- Maiyumerak Mountains sequence
- Eli River sequence
- Kivivik Creek sequence
- Nakolik River sequence
- Tukpahlearik Creek sequence
- Kallarichuk Hills sequence
- Nanielik Creek sequence

GEOLOGIC CROSS SECTIONS



NO VERTICAL EXAGGERATION



LIST OF MAP UNITS
(see pamphlet for detailed descriptions)

Qu	Undifferentiated surficial deposits (Quaternary)
Qa	Alluvial deposits (Quaternary)
Qg	Glacial deposits (Quaternary)
Qs	Sand (Quaternary)
Kc	Conglomerate (Cretaceous)
KJm	Melange (Cretaceous and(or) Jurassic)
JPe	Etivluk Group (Jurassic to Pennsylvanian)
Mzb	Basalt (Mesozoic)
Mzg	Gabbro (Mesozoic)
MzPzi	Intrusive rocks (Mesozoic or Paleozoic)
MzPzm	Melange and phyllite (Mesozoic and Paleozoic)
PMc	Chert and phyllite (Pennsylvanian and Mississippian)
PDl	Limestone (Pennsylvanian, Mississippian, and Devonian)
Mko	Kogruk Formation (Mississippian)
Ml	Limestone (Mississippian)
MDus	Utukok Formation and Eli Limestone (Mississippian to Devonian)
Mlt	Limestone and tuff (Mississippian)
Mk	Kayak Shale (Mississippian)
MDl	Limestone (Mississippian and(or) Devonian)
MDe	Endicott Group (Mississippian and Devonian)
MDk	Kanayut Conglomerate (Mississippian and Devonian)
Dn	Noatak Sandstone (Devonian)
Dhf	Hunt Fork Shale (Devonian)
Dnu	Phyllite, carbonate and clastic rocks of Nakolik River, undivided (Devonian)
Dnl	Limestone of Nakolik River (Devonian)
Ds	Shale (Devonian)
Dk	Kugururok Limestone (Devonian)
Dl	Limestone (Devonian)
DOtu	Metasedimentary and metavolcanic rocks of Tukpahlearik Creek, undivided (Devonian to Ordovician)
DOtq	Carbonaceous quartzite and quartz conglomerate of Tukpahlearik Creek (?Devonian and Ordovician)
DOtm	Marble of Tukpahleanik Creek (Devonian to Ordovician)
DOtsq	Marble and quaretz schist of Tukpahlearik Creek (Devonian to Ordovician)
DOtp	Pelitic schist of Tukpahlearik Creek (Devonian to ?Ordovician)
DOtpg	Pelitic schist and greenstone of Tukpahlearik Creek (Devonian to ?Ordovician)
DOb	Baird Group (Devonian to Ordovician)
DOc	Carbonate rocks (?Devonian, Silurian, and Ordovician)
OЄc	Carbonate rocks (Ordovician to Cambrian)
Pzd	Dolostone (Paleozoic)
Pzm	Marble (Paleozoic)
Pzkm	Marble of Klery Creek (Paleozoic)
Pzqms	Quartz mica schists (Paleozoic)
Pzqs	Quartz conglomerate, sandstone, and siliceous phyllite (Paleozoic)
Pzr	Rhyolite (Paleozoic)
PzЄbq	Black quartzite and siliceous semischist (Paleozoic)
PzЄbs	Black shale and carbonate rocks (Paleozoic)
PzЄku	Mixed schists of the Kallarichuk Hills, undivided (Paleozoic and(or) Proterozoic)
PzЄks	Siliceous schist of the Kallarichuk Hills (Paleozoic and(or) Proterozoic)
PzЄkc	Calcareous schist and marble of the Kallarichuk Hills (Paleozoic and(or) Proterozoic)
PzЄcb	Carbonate rocks and metabasite (Paleozoic and(or) Proterozoic)
PzЄi	Meta-intrusive rocks (Paleozoic and(or) Proterozoic))
Єi	Intrusive rocks of Mount Angayukaqsraq (Proterozoic)
Єsv	Metasedimentary and Metavolcanic rocks of Mount Angayukaqsraq (Proterozoic)
Єm	Polymetamorphic mafic rocks (Proterozoic)
b	Metabasalt
c	Metachert
cs	Chlorite schist
g	Gabbro
m	Marble
s	Serpentinite
——	Contact, dashed where inferred
——	Fault, dashed where inferred
	Thrust fault, sawteeth on upper plate, dashed where inferred
	Thrust fault, faulted unconformity, or out-of-sequence thrust, sawteeth on upper plate, dashed where inferred
	Normal fault, ball-and-stick on down-dropped plate, dashed where inferred
	Normal fault coincident with thrust fault, ball-and-stick on down-dropped plate, sawteeth on upper plate of thrust fault, dashed where inferred
	Bedding attitude
	Bedding attitude, bedding tops upward-facing
	Foliation attitude
	Fold axis, antiformal or anticlinal fold
	Fold axis, overturned fold
(11)	Fossil locality, numbers refer to Table 1

PRELIMINARY GEOLOGIC MAP OF THE BAIRD MOUNTAINS AND PART OF THE SELAWIK QUADRANGLES, ALASKA

by

S.M. Karl, J.A. Dumoulin, Inyo Ellersieck, A.G. Harris, and J.M. Schmidt

1989