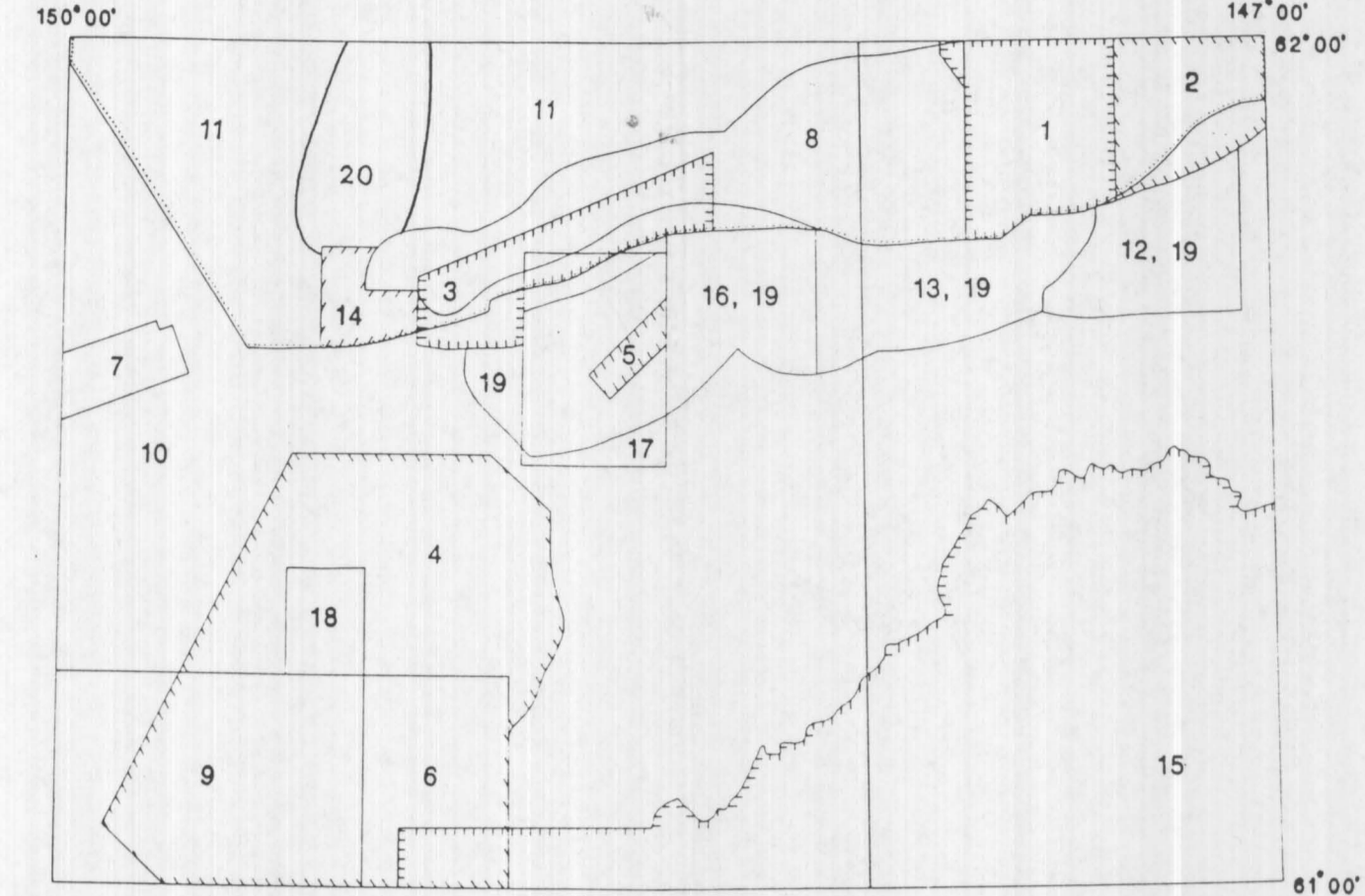




INDEX MAP SHOWING SOURCES OF GEOLOGIC DATA

1	Grantz, 1961a	11	Casjey and others, 1978
2	Grantz, 1961b	12	Pessel and others, 1981
3	Barnes, 1962	13	Burns and others, 1983
4	Clark, 1972a	14	Clark, 1972b
5	Clark, 1972b	15	Nelson and others, 1985
6	Clark and Yount, 1972	16	Little and others, 1986
7	Detterman and others, 1974	17	Foxitt, 1986
8	Detterman and others, 1976	18	Udliko and Uley, 1988
9	Clark and others, 1976	19	Burns and others, in press
10	Magoon and others, 1976	20	R.J. Newberry and L.E. Burns, written communication, 1989



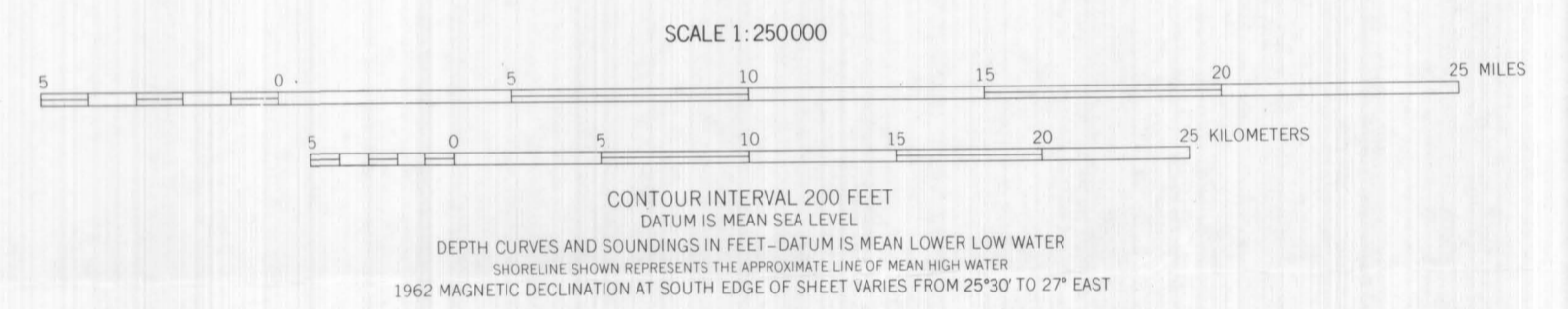
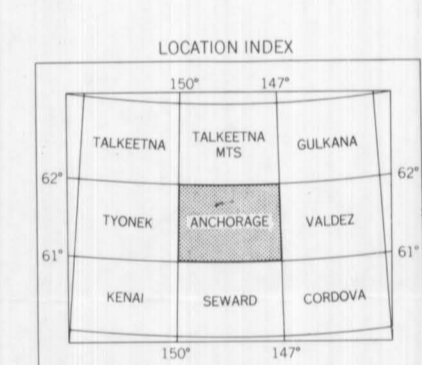
EXPLANATION

[Symbol]	Glaciers and supraglacial moraine
[Symbol]	Approximate contact; dotted where concealed
[Symbol]	Thrust fault, approximately located; dotted where concealed
[Symbol]	High-angle fault, approximately located; dotted where concealed; V, upthrown side; D, downthrown side; bar, normal sense of dip-slip separation; arrow, reverse dip-slip sense; opposed double arrows, dextral strike-slip sense
[Symbol]	Shear zone; sense of offset unknown
[Symbol]	Anticline, approximately located, showing trace of axial surface and direction of plunge; dashed where concealed by unconsolidated deposits but position is known from well or seismic records; dotted where concealed; queried where assumed
[Symbol]	Syncline, approximately located, showing trace of axial surface and direction of plunge; dashed where concealed by unconsolidated deposits but position is known from well or seismic records; dotted where concealed; queried where assumed
[Symbol]	Monocline, approximately located, showing trace of axial surface
[Symbol]	Minor upright anticline (or syncline)
[Symbol]	Minor isoclinal fold, showing dip of axial surface and direction and amount of plunge
[Symbol]	Strike and dip of beds; ball indicates tops of beds known from sedimentary structures
[Symbol]	Strike and dip of overturned beds
[Symbol]	Strike and dip of vertical beds
[Symbol]	Strike and dip of foliation
[Symbol]	Trend of felsic dike in bedrock
[Symbol]	Location of dated rock sample (Table 1)
[Symbol]	Location of mollusk collection
[Symbol]	Line of cross section

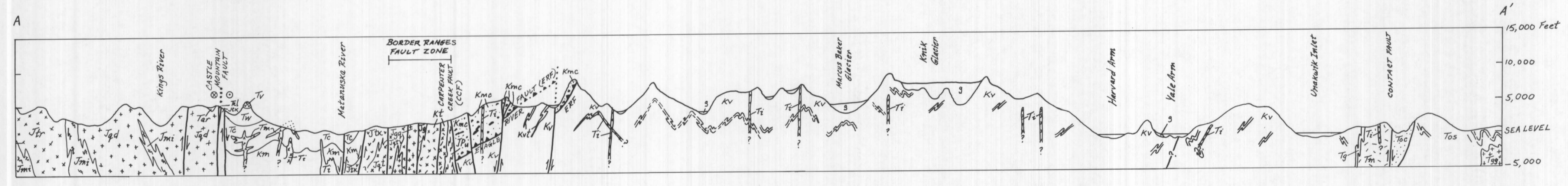
CORRELATION OF MAP UNITS

All Areas	
Unconsolidated Deposits	
Quaternary	Quaternary
North of Border Range fault	
Bedded Rocks	
Miocene	Miocene and Oligocene
Miocene and Oligocene	Miocene and Oligocene
Eocene	Eocene
Eocene and Paleocene	
Unconformity	
Upper and Lower Cretaceous	Upper and Lower Cretaceous
Unconformity	
Upper Jurassic	Upper Jurassic
Unconformity	
Middle Jurassic	Middle Jurassic
Unconformity	
Lower Jurassic and Upper Triassic (?)	Lower Jurassic and Upper Triassic (?)
Upper Triassic (?)	Upper Triassic (?)
Intrusive Rocks	
Eocene	Eocene
Lower Paleocene and Upper Cretaceous	Lower Paleocene and Upper Cretaceous
Upper and (or) Lower Cretaceous	Upper and (or) Lower Cretaceous
Upper Jurassic	Upper Jurassic
Middle Jurassic	Middle Jurassic
Middle and Lower Jurassic	Middle and Lower Jurassic
Metamorphic Rocks	
Eocene (?) and Lower Cretaceous (?)	Eocene (?) and Lower Cretaceous (?)
Middle and Lower Jurassic	Middle and Lower Jurassic
Jurassic?	Jurassic?
Jurassic to mid-Paleocene?	Jurassic to mid-Paleocene?
South of Border Range fault	
Bedded Rocks	
Eocene and Paleocene	Eocene and Paleocene
Fault	
Upper Cretaceous	Upper Cretaceous
Fault	
Cretaceous to Upper Triassic	Cretaceous to Upper Triassic
Intrusive Rocks	
Oligocene	Oligocene
Oligocene?	Oligocene?
Eocene	Eocene

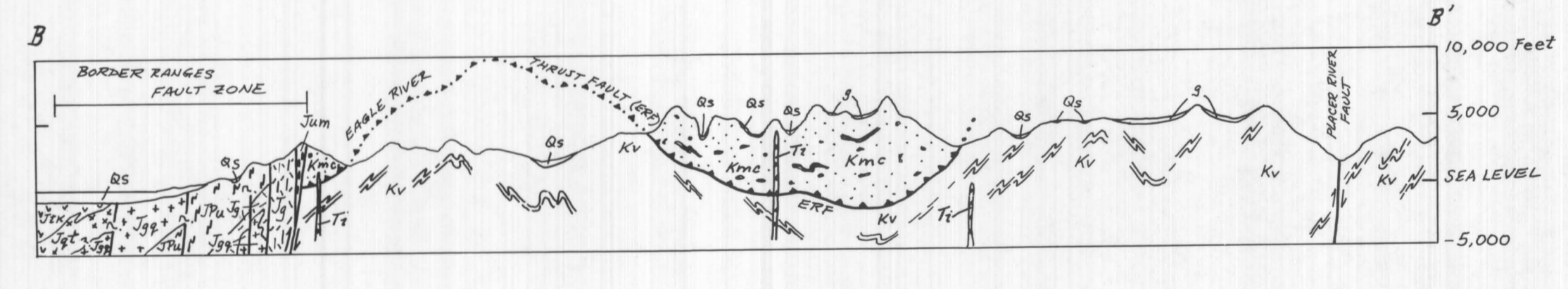
Base USGS topographic series: Anchorage, Alaska 1:250,000 (1962)



Compiled from Grantz (1961a, b), Barnes (1962), Clark (1972a, b), Clark and Yount (1972), Detterman and others (1974), Detterman and others (1976), Casjey and others (1978), Pessel and others (1981), Burns and others (1983), Clark (1984), Nelson and others (1985), Little and others (1986), Foxitt (1986), Udliko and Uley (1988), Burns and others (in press), and unpublished mapping by L.E. Burns, G.H. Pessel, T.L. Foxitt, T.A. Little, R.J. Newberry, John Decker, G.R. Winkler, G.H. Karl, R.J. Miller, J.E. Case, R.T. Miyasaka, and W.H. Nelson (1981-1984)



NUMEROUS AREAS OF THIN QUATERNARY DEPOSITS (Q) OR GLACIERS (g) NOT SHOWN
VERTICAL EXAGGERATION - 2x



PRELIMINARY GEOLOGIC MAP, CROSS SECTIONS, AND SUMMARY GEOCHRONOLOGY OF THE ANCHORAGE QUADRANGLE, SOUTHERN ALASKA

Compiled by Gary R. Winkler

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