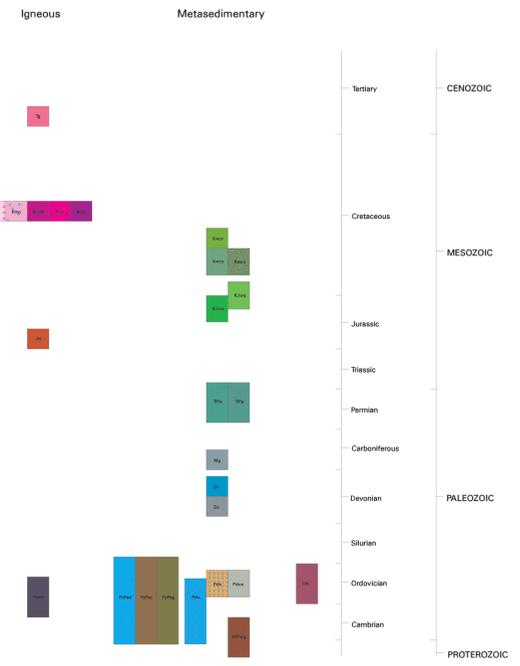


CORRELATION OF MAP UNITS

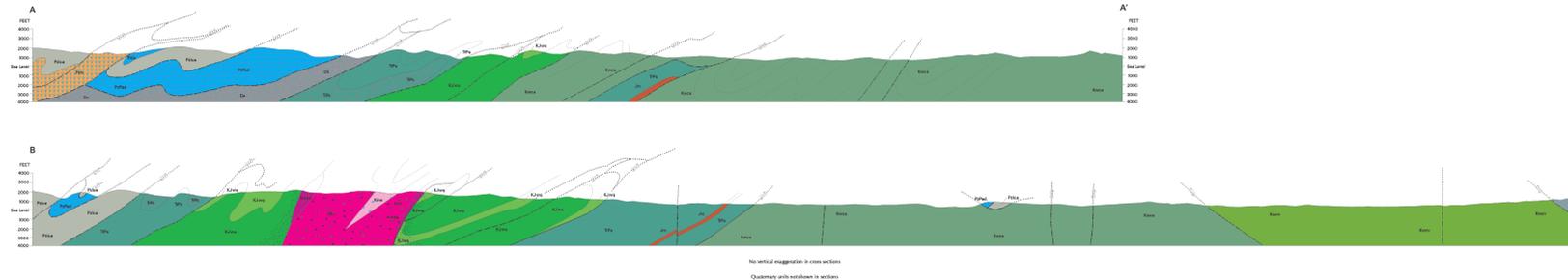
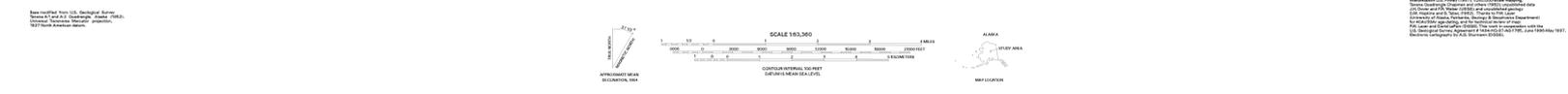


DESCRIPTION OF MAP UNITS

- BEDROCK UNITS**
Cretaceous and Jurassic rocks
- K101? Wilbur Creek unit alluvial and volcanoclastic rocks
 - K102? Wilbur Creek unit sandstone, shale, siltstone, undivided
 - K103? Wilbur Creek unit quartzite
 - K104? Wilbur Creek unit quartzite
 - K105? Wilbur Creek unit sandstone and shale-undivided
 - Trends to Permian succession
 - M101? Angfite, sandstone and shale
 - M102? Conglomerate
 - M103? Conglomerate
 - M104? Conglomerate
 - M105? Conglomerate
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 - M197? Conglomerate
 - M198? Conglomerate
 - M199? Conglomerate
 - M200? Conglomerate

MAP SYMBOLS

- Contact—Dashed where approximately located, queried where inferred or continuation unknown
- Killing Fault zone—Major dextral strike-slip fault zone connecting Tanana Fault zone, with of crushed zone indicated by cross-hatching based on widths of fault zone along the topographic contour marking the fault zone
- Thrust Fault—Large to moderate-angle, brittle to semi-brittle thrust fault, or brittle zone of reptile or brittle mylonitic shearing, which normally imbricates a rock sequence or imbricates the reverse contact between sequences, commonly dip-slope side to side, relatively straight, steep where thrust is "in full of exposure" or where bedding parallel, angle of thrust is exposed, dashed where approximately located, queried where inferred or continuation unknown, dotted where contoured
- High-angle Normal Fault—Some inferred from airborne geophysical treatment of apparent geophysical effect, or from topographic lineament. Arrow shows relative movement where known, U, upthrown side, D, downthrown side. Dashed where approximately located, queried where inferred or continuation unknown, dotted where contoured
- Fold Axis—Dashed where approximately located, queried where inferred
- Anticline
- Syncline
- Overturned anticline
- Overturned syncline
- Bodding attitude: shows dip where known
- Inclined
- Change—Mostly axial pleural change at low angle to bedding except in axial areas of folds, where pre-D cleavage is readily developed; shows dip where known
- Inclined, vertical
- Metaspheric delineation of schistosity: shows dip where known
- Inclined
- Lamination—Includes mineral lamination or streaking, intersection of bedding and foliation, pencil cleavage, concentration or minor S&S axes, etc.; shows plunge where known
- Joint—Shows dip where known
- Boundary of airborne geophysical signature: high magnetite and high resistivity
- Boundary of airborne geophysical signature: low magnetite and high resistivity
- Horst



PRELIMINARY INTERPRETIVE GEOLOGIC BEDROCK MAP OF THE TANANA A-1 and A-2 QUADRANGLES, CENTRAL ALASKA

By
Rocky R. Reifentstahl, James H. Dover, Rainer J. Newberry, Karen H. Clautice, Shirley A. Liss,
Robert B. Blodgett, and Florence R. Weber
1998

THIS MAP HAS NOT BEEN REVIEWED FOR TECHNICAL CONTENT EXCEPT AS NOTED ON THIS COVER SHEET TO THE EDITORIAL STANDARDS OF DGS.