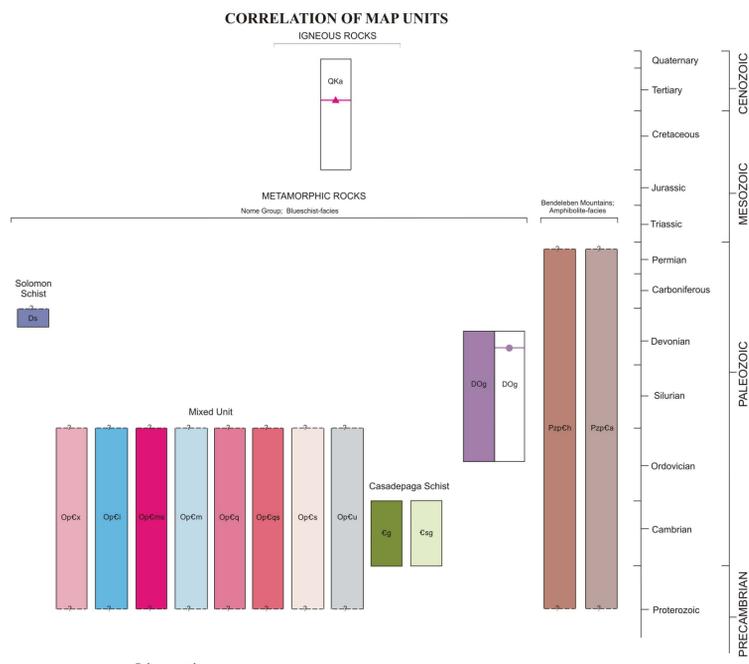


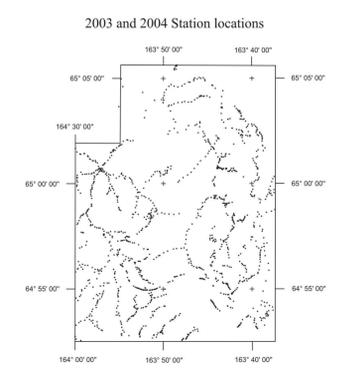
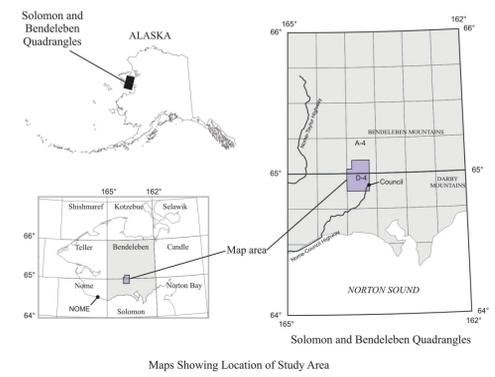
- MAP SYMBOLS**
- Contact - Dashed where approximately located or inferred
 - Fault - Dashed where approximately located or inferred. Dip shown where measured. Arrows indicate apparent direction of relative movement; U, upthrown block; D, downthrown block
 - Mixed Unit - Casadepaga Schist contact - Dashed where approximately located or inferred; lithologic units often truncated along this contact
 - Fold - Showing trace of axial surface; arrows located on the axial trace indicate direction of plunge
 - Antiform
 - Overtured antiform, showing direction of dip of limbs
 - Synform
 - Overtured synform, showing direction of dip of limbs
 - Strike and dip of foliation
 - Horizontal foliation
 - Strike of vertical foliation
 - Ar-Ar localities - numbers refer to map and table 1
 - Dikes - shown on geologic map as lines where orientation recorded. Example of a dike symbol. See Description of Map Units for explanation of compositional variations



- DESCRIPTION OF MAP UNITS**
- IGNEOUS ROCKS**
- OKa GABBRO DIKES (Quaternary to Cretaceous)
- METAMORPHIC ROCKS**
- SEDIMENTARY AND IGNEOUS ROCKS METAMORPHOSED TO BLUESCHIST FACIES: NOME GROUP
- SOLOMON SCHIST**
- Ds QUARTZ-WHITE MICA SCHIST (Devonian)
- EXTENSION-RELATED MAFIC INTRUSIONS
- DOg, DOq MAFIC SCHIST AND GRANOPELS (Devonian to Ordovician)
- MIXED UNIT
- OpCx MIXED METASEDIMENTARY ROCKS (Ordovician to Precambrian)
 - OpCl IMPURE MARBLE (Ordovician to Precambrian)
 - OpCm MAFIC SCHIST (Ordovician to Precambrian)
 - OpCn MARBLE (Ordovician to Precambrian)
 - OpCq QUARTZITE (Ordovician to Precambrian)
 - OpCp QUARTZITE AND SCHIST (Ordovician to Precambrian)
 - OpCs SCHIST (Ordovician to Precambrian)
- CASADEPAGA SCHIST
- Cg MAFIC SCHIST AND GRANOPELS (Cambrian?)
 - Csq METASEDIMENTARY ROCKS AND METAGRAYWACKE (Cambrian?)
- UNDIFFERENTIATED NOME GROUP ROCKS
- OpCu UNDIFFERENTIATED NOME GROUP ROCKS (Ordovician to Precambrian)
- SEDIMENTARY AND IGNEOUS ROCKS METAMORPHOSED TO AMPHIBOLITE FACIES
- PzpCh STAUROLITE SCHIST (Paleozoic to Precambrian)
 - PzpCa SCHIST AND AMPHIBOLITE (Paleozoic to Precambrian)

ACKNOWLEDGMENTS

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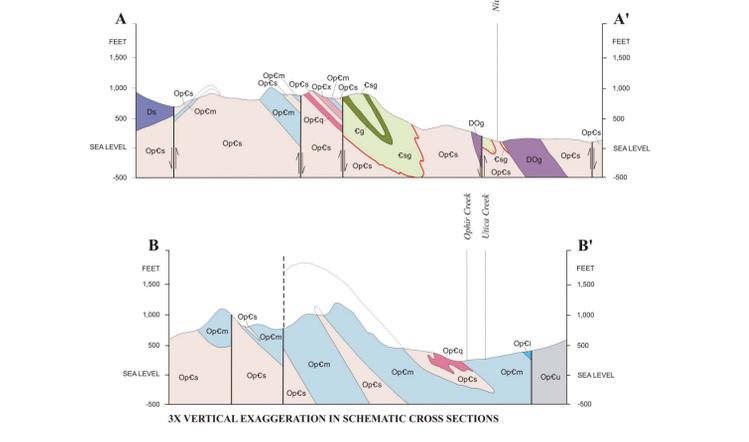
Base map from:
Solomon D-4 and Bendeleben A-4 quadrangles,
U.S. Geological Survey digital raster graphic images, 1997.
Map projection: UTM zone 3
Datum: NAD 27

SCALE 1:50,000

CONTOUR INTERVAL 50 FEET
DATUM IS MEAN SEA LEVEL

APPROXIMATE MEAN DECLINATION, 2004

Bedrock geologic field investigations by:
M.B. Werton (2003, 2004), D.J. Szumigala (2004),
J.E. Athey (2004), and R.J. Newberry (2004)
GIS layers created by:
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BEDROCK GEOLOGIC MAP OF THE COUNCIL AREA, SOLOMON D-4 AND BENDELEBEN A-4 QUADRANGLES, SEWARD PENINSULA, ALASKA
by
R.J. Newberry², M.B. Werton¹, J.E. Athey¹, and D.J. Szumigala¹
2005

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