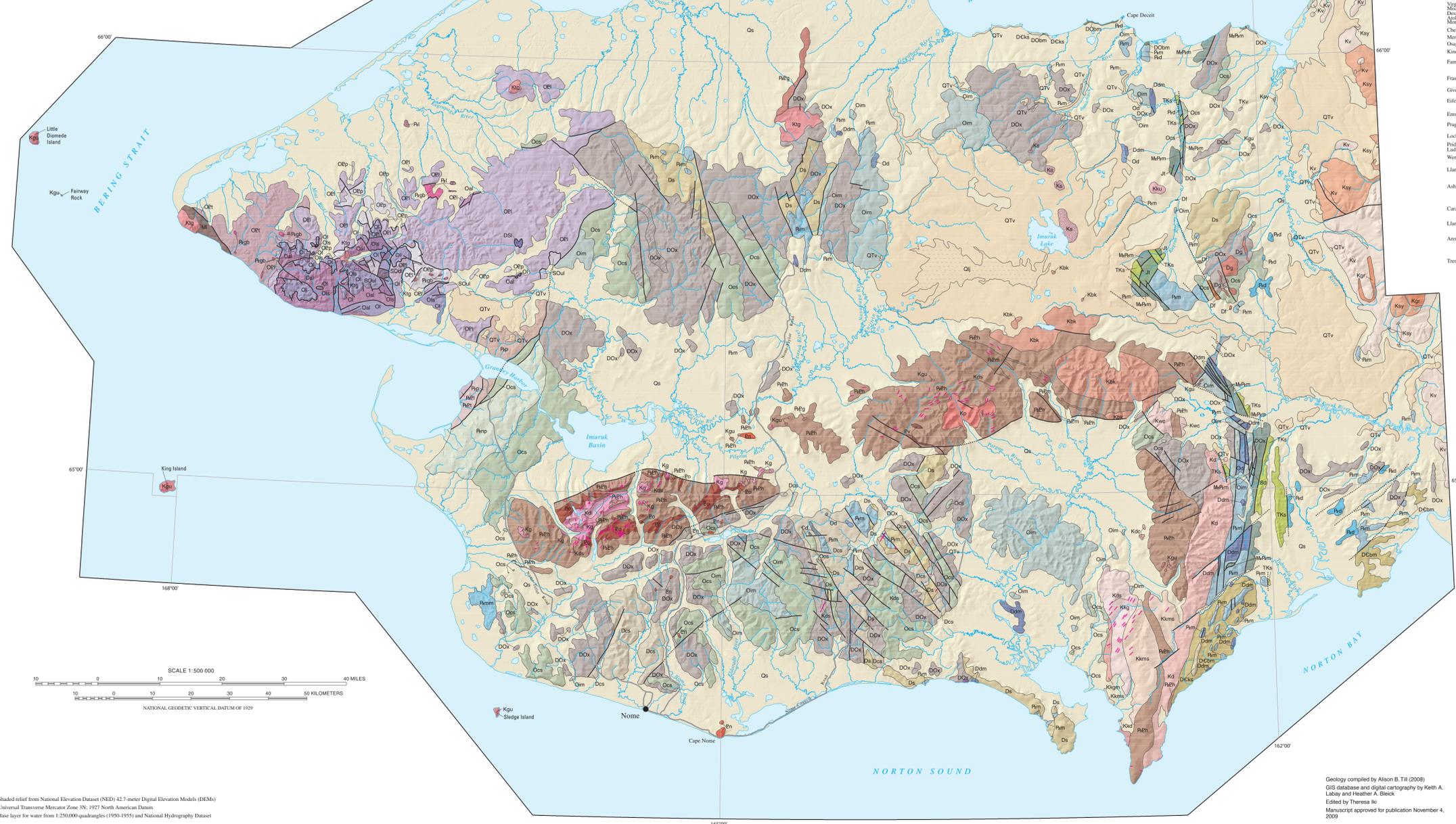
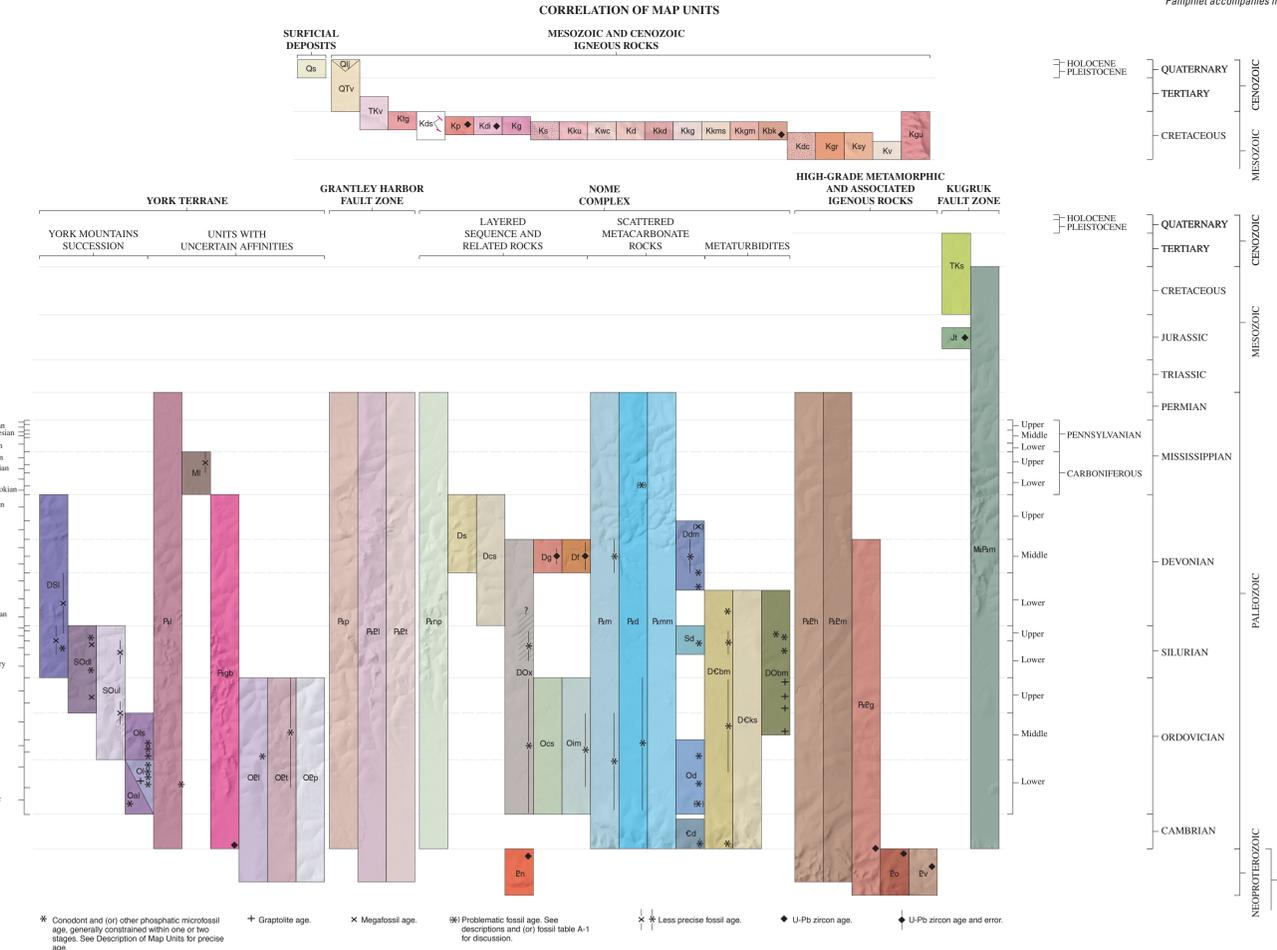


- Sainsbury (1972); C.L. Sainsbury, unpub. data (1969)
- J. Toro, written commun. (2006)
- A.B. Till and others, unpub. mapping, (1985-1986, 2004-2007)
- Amato and Miller (2004)
- Bunzzen and others (1994)
- Potock (1962)
- Sainsbury and others (1972)
- Hannula (1993)
- Beght and others (1996)
- Till and others (1986)
- Werdon and others (2005a); Werdon and others (2005b); Newberry and others (2005)
- Platon and others (2005)

INDEX MAP SHOWING SOURCES OF GEOLOGIC MAPPING AND 1:250,000-SCALE QUADRANGLES



Shaded relief from National Elevation Dataset (NED) 42.7-meter Digital Elevation Models (DEMs)  
 Universal Transverse Mercator Zone 3N; 1927 North American Datum  
 Base layer for water from 1:250,000 quadrangles (1950-1955) and National Hydrography Dataset



- LIST OF MAP UNITS**  
 [See Description of Map Units (in pamphlet) for complete unit descriptions. Some unit exposures on the map are too small to distinguish the color for unit identification. These units are labeled where possible, and unlabeled units are attributed in the database.]
- SURFICIAL DEPOSITS**
- Os Surficial deposits, undivided (Quaternary)
  - Ql Lost Jim Basalt (Holocene)
  - QTV Weathered volcanic rocks, undivided (Quaternary and Tertiary)
  - TKv Felsic volcanic rocks (Tertiary and Cretaceous)
  - Klg Tin-bearing granitic stocks (Late Cretaceous)
  - Kds Dikes and stocks (Cretaceous)
  - Kgp Pargon pluton (Cretaceous)
  - Kdi Kighuaik diorite (Cretaceous)
  - Kg Kighuaik granite (Cretaceous)
  - Ks Stocks, undifferentiated (Cretaceous)
  - Kku Kugruk pluton (Cretaceous)
  - Kwc Windy Creek pluton (Cretaceous)
  - Kd Darby pluton (Cretaceous)
  - Ksd Diorite (Cretaceous)
  - Ksg Grandiorite (Cretaceous)
  - Kkms Monzonite-syenite (Cretaceous)
  - Kkg Gneissic monzonite (Cretaceous)
  - Kbk Bendeleben and Kuzirlik plutons (Cretaceous)
  - Kdc Dry Canyon stock (Early Cretaceous)
  - Kgr Granite and granodiorite (Early Cretaceous)
  - Ksy Syenite, monzonite, and nepheline syenite (Early Cretaceous)
  - Kv Andesite and basalt flows and volcanoclastic rocks (Early Cretaceous)
  - Kau Granitic rocks, undifferentiated (Cretaceous)
- MESOZOIC AND CENOZOIC IGNEOUS ROCKS**
- YORK TERRANE**
- DSl Limestone (Devonian and (or) Silurian)
  - SDd Dark limestone (Silurian and Upper Ordovician)
  - SOul Limestone and dolostone, undifferentiated (Silurian and Ordovician)
  - Ol Limestone and shale (Ordovician)
  - Oi Limestone (Ordovician)
  - Oal Argillaceous limestone and limestone (Ordovician)
- UNITS WITH UNCERTAIN AFFINITIES**
- Pd Limestone (Paleozoic)
  - Ml Limestone, dolomitic limestone, and marble (Mississippian)
  - Pgh Metagabbro (Paleozoic)
  - OEI Limestone and dolomitic limestone (Ordovician to Proterozoic)
  - OEt Sandstone, siltstone, and limestone (Ordovician to Proterozoic)
  - OEp Phyllite (Ordovician to Proterozoic)
- GRANTLEY HARBOR FAULT ZONE**
- Pp Phyllite and argillite (Paleozoic)
  - PBE Metalmestone (Paleozoic and Proterozoic?)
  - PET Metasilstone and phyllite (Paleozoic and Proterozoic?)
- NOME COMPLEX**
- Pmp Metagabbro and metasediments (Paleozoic?)
  - Ds Pelitic schist (Devonian?)
  - Dcs Pelitic, calcareous, and graphitic schist (Devonian)
  - DOx Mixed marble, graphitic metasiliceous rock, and schist (Devonian to Ordovician)—Overlay pattern indicates area of a distinctive belt of dolostone and marble of Silurian-Devonian age
  - Dg Granitic orthogneiss (Devonian)
  - Df Felsic schist (Devonian)
  - Ocs Casadepaga Schist (Ordovician)
  - Oim Impure chlorite marble (Ordovician)
  - Ev Metavolcanic rocks (Proterozoic)
- SCATTERED METACARBONATE ROCKS**
- Pm Marble, undivided (Paleozoic)
  - Pd Dolostone, undivided (Paleozoic)
  - Pmm Marble of the Moon Mountains (Paleozoic)
  - Ddm Dolostone, metamimestone, and marble (Devonian)
  - Sd Dolostone (Silurian)
  - Od Dolostone (Ordovician)
  - Cd Dolostone (Cambrian)
- METATURBIDITES**
- DCom Black marble (Devonian to Cambrian)
  - DCKs Calcareous schist of Kwiniuk Mountain (Devonian to Cambrian)
  - DCom Black metamimestone and marble (Devonian to Ordovician)
- HIGH-GRADE METAMORPHIC AND ASSOCIATED IGNEOUS ROCKS**
- PBE High-grade metasedimentary and metigneous rocks (Paleozoic and Proterozoic?)
  - PBEt Marble (Paleozoic and Proterozoic?)
  - PBEg Gneiss and orthogneiss (Paleozoic? and Proterozoic?)
  - Ev Orthogneiss (Proterozoic)
  - Ev Metavolcanic rocks (Proterozoic)
- KUGRUK FAULT ZONE**
- TKs Carbonate-rich conglomerate and sandstone; mudstone, siltstone and coal (Tertiary and Cretaceous)
  - Jt Spruce Creek tonalite (Jurassic)
  - MpM Metamorphosed mafic rocks and serpentinite (Mesozoic and Paleozoic?)
- 1:250,000-scale quadrangle boundary  
 Contact—Depositional, intrusive, or metamorphic  
 Fault—Dotted where concealed  
 Road

Preliminary Bedrock Geologic Map of the Seward Peninsula, Alaska, and Accompanying Conodont Data

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 2010

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