

**DESCRIPTION OF MAP UNITS**  
*(full descriptions in accompanying booklet)*

**UNCONSOLIDATED DEPOSITS**

**ALLUVIAL DEPOSITS**

- Qtp** FLOODPLAIN ALLUVIUM (Holocene)
- Qal** ALLUVIUM, UNDIFFERENTIATED (Quaternary)
- Qat** TERRACE ALLUVIUM (Quaternary)

**COLLUVIAL DEPOSITS**

- Qrg** ROCK GLACIER DEPOSITS (Holocene)
- Qc** COLLUVIUM, UNDIFFERENTIATED (Quaternary)
- Qcs** SOLIFLUTION DEPOSITS (Quaternary)

**GLACIAL DEPOSITS**

**NOME RIVER GLACIATION**

- Qdn** DRIFT OF NOME RIVER AGE (middle Pleistocene)

**SINUK GLACIATION**

- Qds** DRIFT OF SINUK AGE (early? Pleistocene)
- Qds-v** DRIFT OF SINUK AGE, VENEER (early? Pleistocene)
- Qds-w** DRIFT OF SINUK AGE, WASHED (early? Pleistocene)

**GLACIOFLUVIAL DEPOSITS**

**SINUK GLACIATION**

- Qds-ol** SANDY OUTWASH OF SINUK AGE (early? Pleistocene)
- Qds-ow** OUTWASH OF SINUK AGE (early? Pleistocene)

**PALUDAL DEPOSITS**

- Qs** SWAMP DEPOSITS (Holocene)
- Qil** THAW LAKE DEPOSITS (Holocene)

**COMPLEX DEPOSITS**

- Qls** LOWLAND SILT (Quaternary)
- Qls-p** PERMAFROST-RICH LOWLAND SILT (Quaternary)
- Qus** UPLAND SILT (Quaternary)

**MANMADE DEPOSITS**

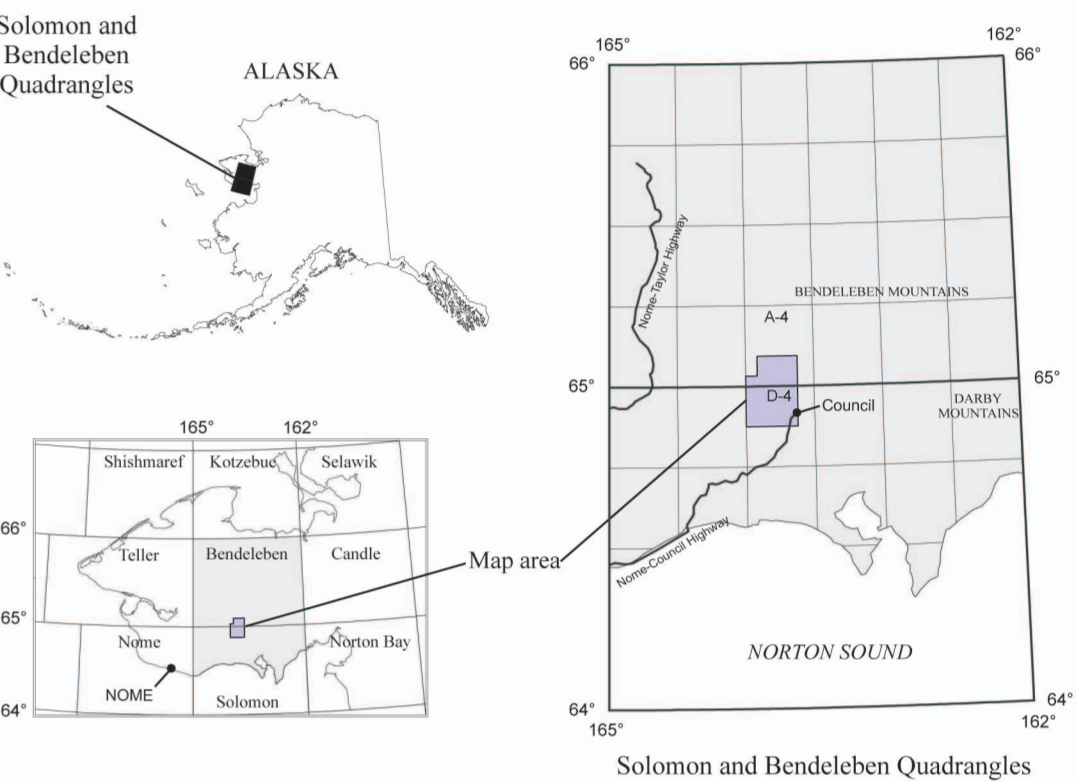
- Qmt** MINE TAILINGS (Holocene)

**BEDROCK**

- Bedrock, EXPOSED**
- Bedrock, THINLY COVERED**

**MAP SYMBOLS**

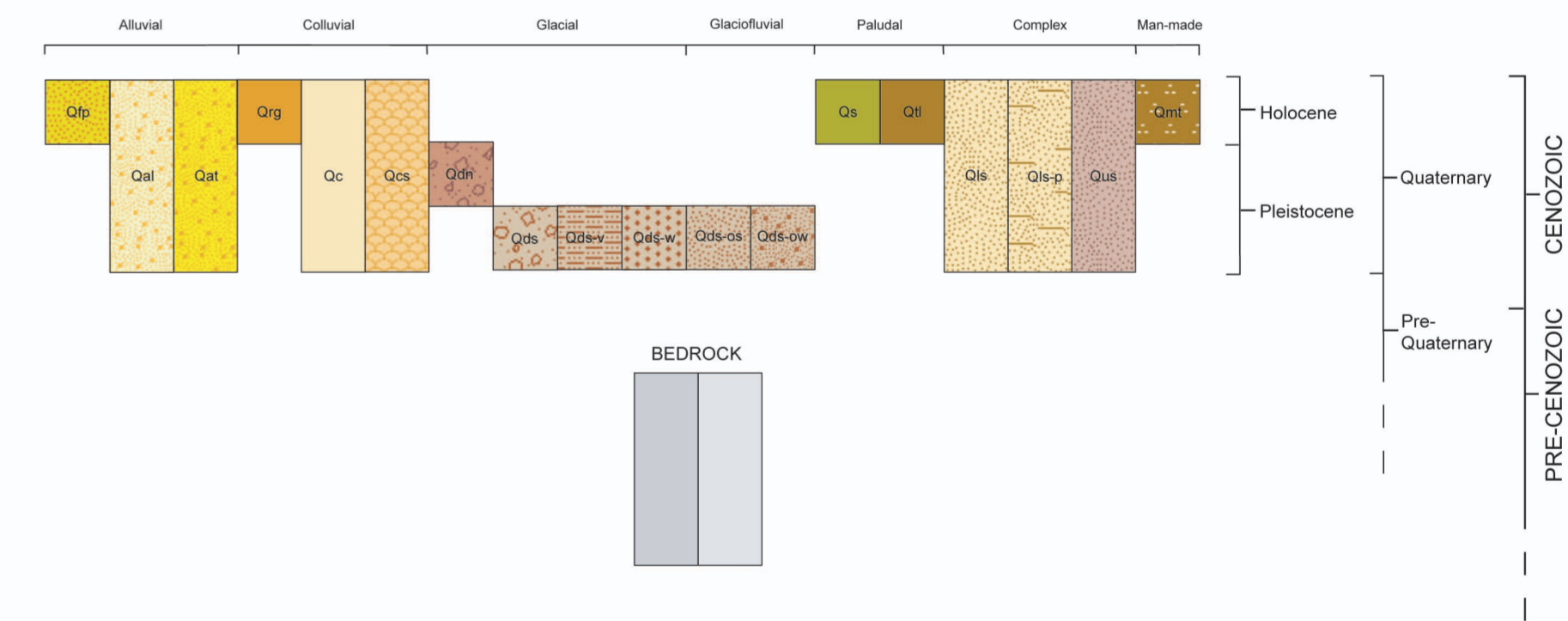
- Photointerpreted contact** - Approximately located
- Photo linear** - Linear features visible on aerial photographs
- Cirque** - Headwall of former glacier; hachures are on ice side
- Moraine crest** - Shown in areas where primary glacial morphology is retained
- Flow direction of former glacier and meltwater** - Arrows indicate direction and path of flow of glacial ice and associated meltwater
- Questioned or uncertain identification**



Maps Showing Location of Study Area

**CORRELATION OF MAP UNITS**

**UNCONSOLIDATED DEPOSITS**



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**SURFICIAL GEOLOGIC MAP OF THE COUNCIL AREA, SOLOMON D-4 AND BENDELEBEN A-4 QUADRANGLES, SEWARD PENINSULA, ALASKA**

by  
De Anne S.P. Stevens  
2005