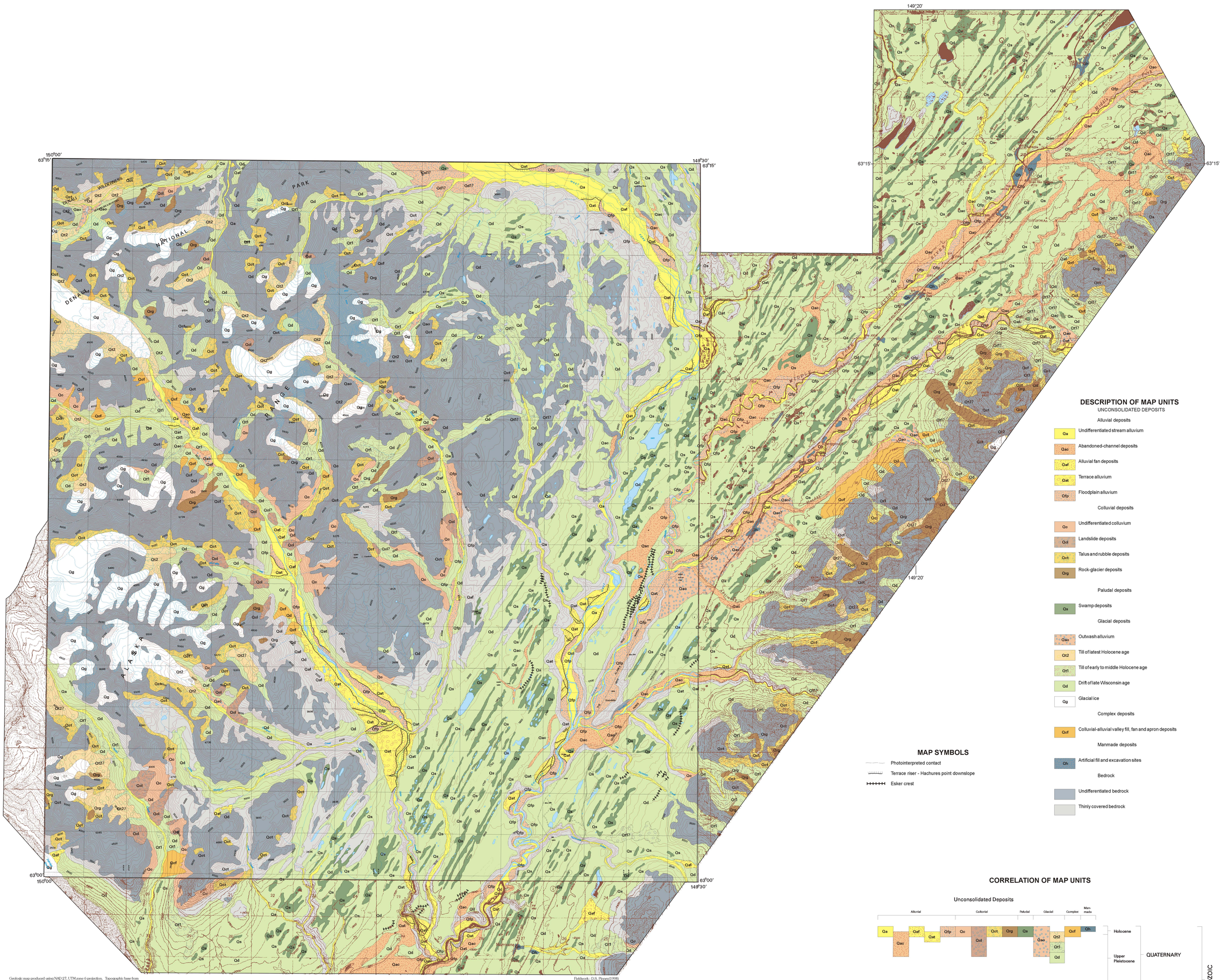
ALASKA DIVISION OF GEOLOGICAL &
GEOPHYSICAL SURVEYS

REPORT OF INVESTIGATIONS 2001-1c
Pinney 2001
Explanatory booklet accompanies map



DESCRIPTION OF MAP UNITS

UNCONSOLIDATED DEPOSITS

Alluvial deposits

- Qa — Undifferentiated stream alluvium
- Qao — Abandoned-channel deposits
- Qaf — Alluvial fan deposits
- Qat — Terrace alluvium
- Qfp — Floodplain alluvium

Colluvial deposits

- Qc — Undifferentiated colluvium
- Qcl — Landslide deposits
- Qct — Talus and rubble deposits
- Qrg — Rock-glacier deposits

Paludal deposits

- Qs — Swamp deposits

Glacial deposits

- Qao — Outwash alluvium
- Qt2 — Till of latest Holocene age
- Qt1 — Till of early to middle Holocene age
- Qd — Drift of late Wisconsin age
- Qg — Glacial ice

Complex deposits

- Qcf — Colluvial-alluvial valley fill, fan and apron deposits

Manmade deposits

- Qh — Artificial fill and excavation sites

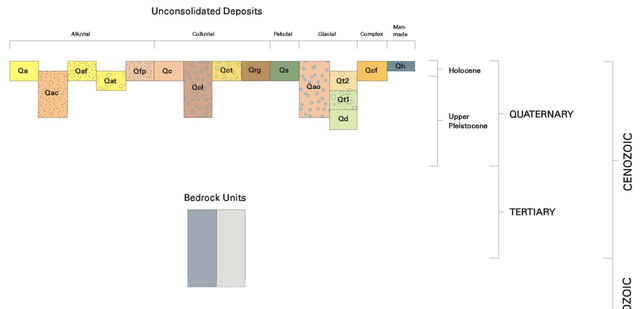
Bedrock

- Undifferentiated bedrock
- Thinly covered bedrock

MAP SYMBOLS

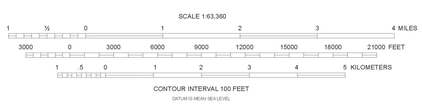
- Photointerpreted contact
- Terrace riser - Hachures point downslope
- Esker crest

CORRELATION OF MAP UNITS

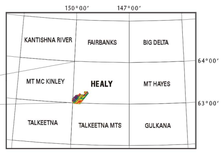


Geologic map produced using NAD 27, UTM zone 6 projection. Topographic base from U.S. Geological Survey. Vectorized topography: Healy A-6 (1949, minor revisions 1987). Digital Raster Graphic Images: Healy A-5 (63149-A1-TF-063, 1950, limited revision 1977); Healy B-5 (63149-C1-TF-063, 1950, limited revisions 1983); Healy B-6 (63149-C5-TF-063, 1954, minor revisions 1981); Talkeetna Mountains D-6 (62149-G5-TF-062, 1951, minor revisions 1966); Mount McKinley A-1 (63150-A1-TF-063, 1954, minor revisions 1991).

Fieldwork: D.S. Pinney(1998)
Reviewers: R.A. Combellick(ADGGS) and R.D. Reger(ADGGS,retired)
Digital cartography by A.G. Sturmann



Quadrangle Location



Location of Map Area

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This DGGS Report of Investigations is a final report of scientific research. It has received technical review and may be cited as an agency publication.

SURFICIAL-GEOLOGIC MAP OF THE CHULITNA REGION, SOUTHCENTRAL ALASKA

By

D.S. Pinney

2001