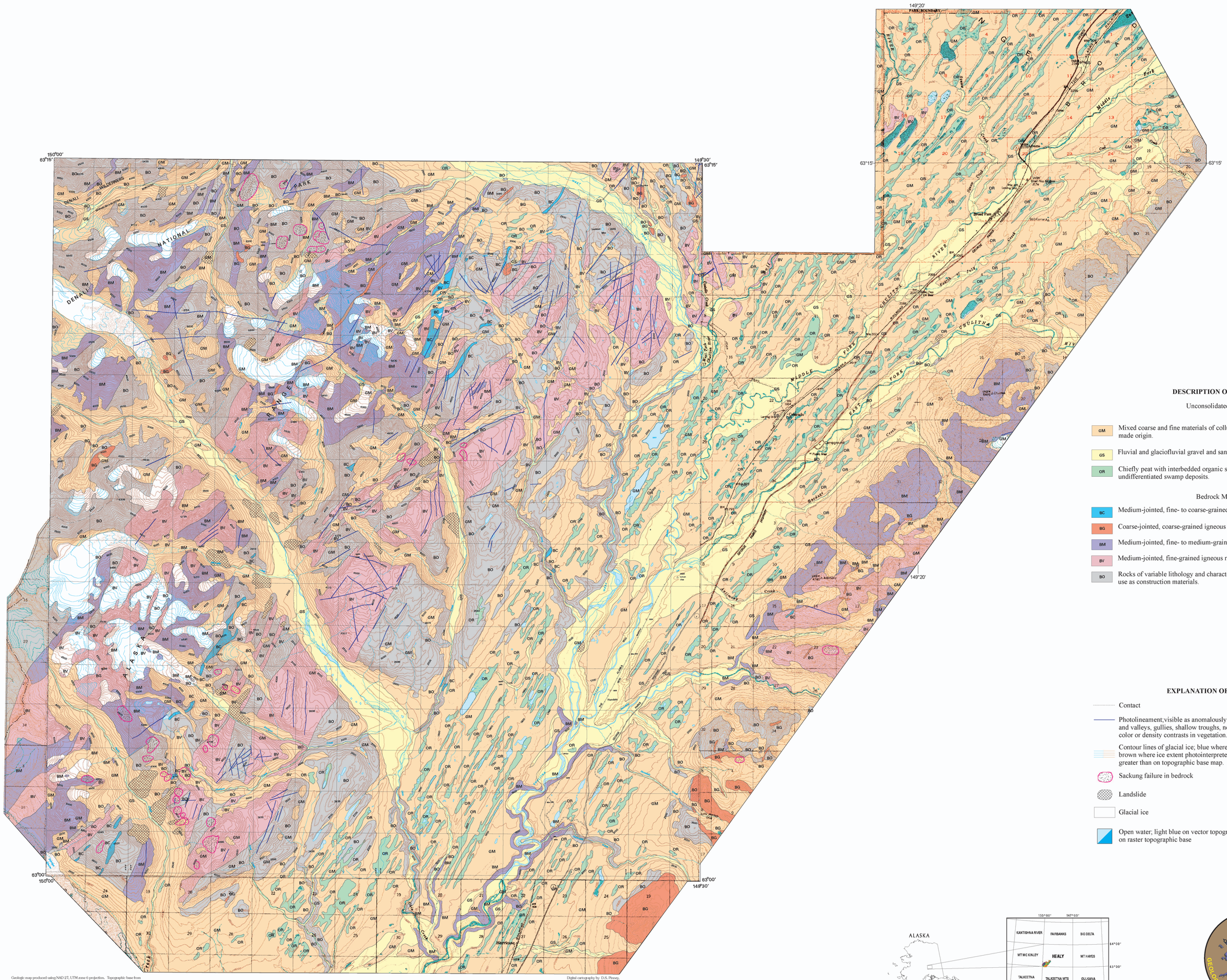
REPORT OF INVESTIGATIONS 2001-1d
Pinney (2001)
Explanatory booklet accompanies map



Geologic map produced using NAD 27, UTM zone 6 projection. Topographic base from U.S. Geological Survey: Vertorized topography: Healy A-6 (1960; minor revisions 1987); Digital Raster Graphic Imagery Healy A-5 (63149-A1-TF-063, 1950, limited revision 1977); Healy B-5 (63149-C1-TF-063, 1950, limited revision 1983); Healy B-6 (63149-C5-TF-063, 1954, minor revisions 1981); Talkeetna Mountains D-5 (62149-C5-TF-062, 1951, minor revisions 1966); Mount McKinley A-1 (63150-A1-TF-063, 1954, minor revisions 1991).

Digital cartography by: D.S. Pinney, and E.S. Dunwadd

23°
TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 2000

SCALE 1:63,360
1 ½ 0 1 2 3 4 MILES
3000 0 3000 6000 9000 12000 15000 18000 21000 FEET
1 .5 0 1 2 3 4 5 KILOMETERS
CONTOUR INTERVAL 100 FEET
DATUM IS MEAN SEA LEVEL

DESCRIPTION OF MAP UNITS

Unconsolidated Materials

- **GM** — Mixed coarse and fine materials of colluvial, fluvial, glacial, and man-made origin.
- **GS** — Fluvial and glaciofluvial gravel and sand with minor silt.
- **OR** — Chiefly peat with interbedded organic silt and organic sand comprising undifferentiated swamp deposits.

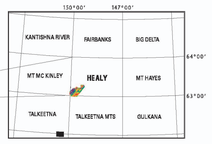
Bedrock Materials

- **BC** — Medium-jointed, fine- to coarse-grained sedimentary carbonate rocks.
- **BG** — Coarse-jointed, coarse-grained igneous lithologies.
- **BM** — Medium-jointed, fine- to medium-grained quartzose sedimentary rocks.
- **BV** — Medium-jointed, fine-grained igneous rocks.
- **BO** — Rocks of variable lithology and character that are generally unsuited for use as construction materials.

EXPLANATION OF MAP SYMBOLS

- Contact
- Photolineament;visible as anomalously straight and aligned stream courses and valleys, gullies, shallow troughs, notched ridge crests, and as linear color or density contrasts in vegetation.
- Contour lines of glacial ice; blue where mapped on topographic base map, brown where ice extent photointerpreted from recent aerial photographs is greater than on topographic base map.
- Sackung failure in bedrock
- Landslide
- Glacial ice
- Open water; light blue on vector topographic base, Dark blue on raster topographic base

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.

ENGINEERING-GEOLOGIC MAP OF THE CHULITNA REGION, SOUTHCENTRAL ALASKA

By

D.S. Pinney

2001