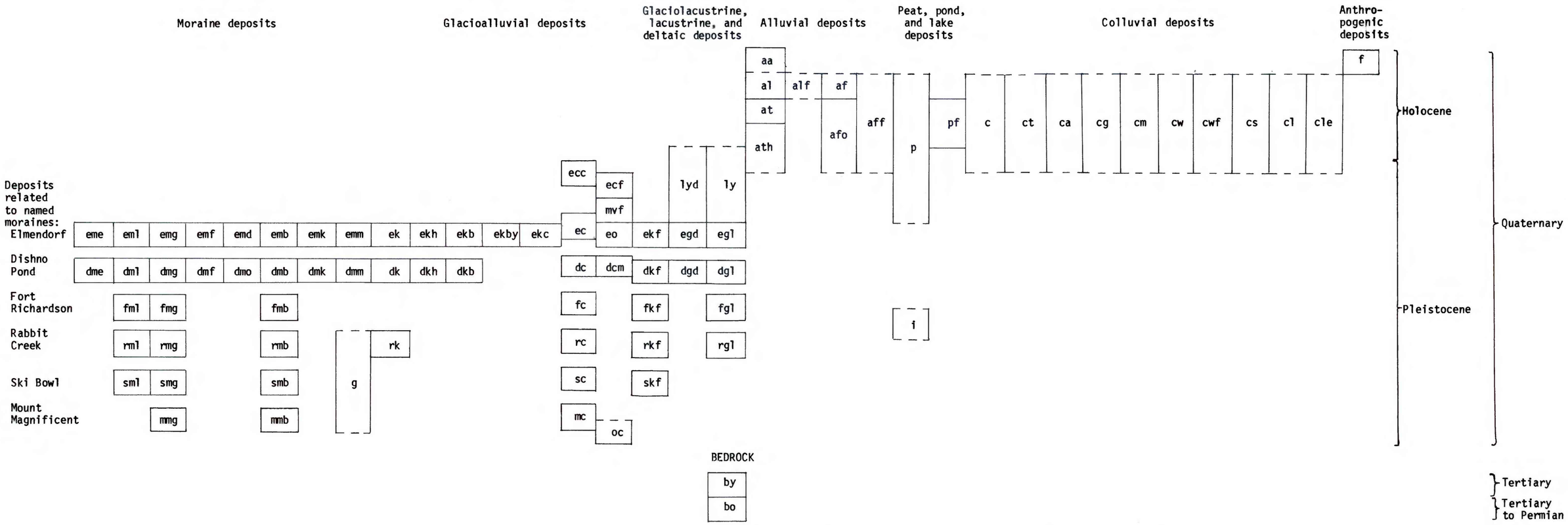
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

OPEN-FILE REPORT 89-318
PLATE 1B
ANCHORAGE B-7 SW QUADRANGLE, ALASKA

CORRELATION OF MAP UNITS



EXPLANATION

[Description of map units is given in text]

MORAINE DEPOSITS

End-moraine deposits (late Pleistocene) of the:

- eme — Elmendorf Moraine
- dme — Dishno Pond moraines

Lateral-moraine deposits of the:

- eml — Elmendorf Moraine (late Pleistocene)
- dml — Dishno Pond moraines (late Pleistocene)
- fml — Fort Richardson moraines (late Pleistocene)
- rml — Rabbit Creek moraines (late or middle Pleistocene)
- sml — Ski Bowl moraines (middle Pleistocene)

Ground-moraine deposits of the:

- emg — Elmendorf Moraine (late Pleistocene)
- emf — Elmendorf Moraine in fluted terrain (late Pleistocene)
- emd — Elmendorf Moraine in well-developed drumlin forms (late Pleistocene)
- emb — Elmendorf Moraine that thinly mantle bedrock (late Pleistocene)
- emk — Elmendorf Moraine that include some kame deposits (late Pleistocene)
- emm — Elmendorf Moraine modified by glacial lake water (late Pleistocene)
- dmg — Dishno Pond moraines (late Pleistocene)
- dmf — Dishno Pond moraines in fluted terrain (late Pleistocene)
- dmo — Dishno Pond moraines overridden by later glacier ice (late Pleistocene)
- dmb — Dishno Pond moraines that thinly mantle bedrock (late Pleistocene)
- dmk — Dishno Pond moraines that include some kame deposits (late Pleistocene)
- dmm — Dishno Pond moraines modified by glacial lake water (late Pleistocene)
- fmg — Fort Richardson moraines (late Pleistocene)
- fmb — Fort Richardson moraines that thinly mantle bedrock (late Pleistocene)
- rmg — Rabbit Creek moraines (late or middle Pleistocene)
- rmb — Rabbit Creek moraines that thinly mantle bedrock (late or middle Pleistocene)
- smg — Ski Bowl moraines (middle Pleistocene)
- smb — Ski Bowl moraines that thinly mantle bedrock (middle Pleistocene)
- mmg — Mount Magnificent moraine (middle or early Pleistocene)
- mmb — Mount Magnificent moraine including mainly bedrock rubble (middle or early Pleistocene)
- g — Older glacial deposits (Pleistocene)

GLACIOALLUVIAL AND GLACIOLACUSTRINE DEPOSITS

Kame deposits of the:

- ek — Elmendorf Moraine, undivided (late Pleistocene)
- ekh — Elmendorf Moraine that exhibit high relief (late Pleistocene)
- ekb — Elmendorf Moraine that thinly mantle older bedrock (late Pleistocene)
- ekby — Elmendorf Moraine that thinly mantle younger bedrock (late Pleistocene)
- ekc — Elmendorf Moraine associated with channels (late Pleistocene)
- dk — Dishno Pond moraines, undivided (late Pleistocene)
- dkh — Dishno Pond moraines that exhibit high relief (late Pleistocene)
- dkb — Dishno Pond moraines that thinly mantle bedrock (late Pleistocene)
- rk — Rabbit Creek moraines (late or middle Pleistocene)

Meltwater-channel and meltwater-fan deposits

- ecc — Clunie Creek glacioalluvial deposits (late Pleistocene)
- ecf — Fossil Creek glacioalliviual deposits (late Pleistocene)
- mvf — Mountain View glacioalluvial fan deposits (late Pleistocene)
- ec — Channel deposits of the Elmendorf Moraine (late Pleistocene)
- eo — Outwash-fan deposits of the Elmendorf Moraine (late Pleistocene)
- dc — Channel deposits of the Dishno Pond moraines (late Pleistocene)
- dcm — Channel deposits of the Dishno Pond moraines overridden by glacial ice (late Pleistocene)
- fc — Channel deposits of the Fort Richardson moraines (late Pleistocene)
- rc — Channel deposits of the Rabbit Creek moraines (late or middle Pleistocene)
- sc — Channel deposits of the Ski Bowl moraines (middle Pleistocene)
- mc — Channel deposits of the Mount Magnificent moraine (middle or early Pleistocene)
- oc — Older channel deposits (middle or early Pleistocene)

Kame-fan deposits related to the:

- ekf — Elmendorf Moraine (late Pleistocene)
- dkf — Dishno Pond moraines (late Pleistocene)
- fkf — Fort Richardson moraines (late Pleistocene)
- rkf — Rabbit Creek moraines (late or middle Pleistocene)
- skf — Ski Bowl moraines (middle Pleistocene)

Glacial-lake delta deposits

- lyd — Young deposits (early Holocene and late Pleistocene)
- egd — Deposits related to the Elmendorf Moraine (late Pleistocene)
- dgd — Deposits related to the Dishno Pond moraines (late Pleistocene)

Glacial lake deposits

- ly — Young deposits (early Holocene and late Pleistocene)
- egl — Deposits related to the Elmendorf Moraine (late Pleistocene)
- dgl — Deposits related to the Dishno Pond moraines (late Pleistocene)
- fgl — Deposits related to the Fort Richardson moraines (late Pleistocene)
- rgl — Deposits related to the Rabbit Creek moraines (late or middle Pleistocene)

ALLUVIAL DEPOSITS

- aa — Alluvium in active flood plain of the Eagle River (latest Holocene)
- al — Alluvial deposits along other modern streams and in lowest terraces (Holocene)
- alf — Fine-grained deposits along some minor streams (Holocene)
- at — Alluvial deposits in terraces, undivided (Holocene)
- ath — Deposits in higher terraces (Holocene and Pleistocene)

Alluvial-fan deposits (Holocene)

- af — Coarse-grained deposits
- aff — Fine-grained deposits
- afo — Older alluvial-fan deposits (Holocene and Pleistocene)

PEAT, POND, AND LAKE DEPOSITS

- p — Peat and pond deposits (Holocene and late Pleistocene)
- pf — Deposits of a possible lake along Fire Creek valley (Holocene)
- i — Interglacial pond deposits (Pleistocene)

COLLUVIAL DEPOSITS (HOLOCENE AND PLEISTOCENE)

- c — Colluvial deposits on mountain slopes, undivided
- ct — Talus deposits
- ca — Colluvial and alluvial deposits, undivided
- cg — Mixed colluvial and glacial deposits
- cm — Colluvial deposits derived mainly from moraines
- cw — Colluvial deposits on walls of stream bluffs
- cwf — Fine-grained colluvial deposits on walls of stream bluffs
- cs — Solifluction deposits
- cl — Landslide deposits, undivided
- cle — Landslide deposits resulting from earthflows

ANTHROPOGENIC DEPOSITS (LATEST HOLOCENE)

- f — Engineered fill and land areas extensively modified by earthmoving equipment

BEDROCK

- by — Younger rocks (Tertiary)
- bo — Older rocks (Tertiary to Permian)

OTHER SYMBOLS

- ——— **Contact**--Well located, approximate, inferred, or indefinite
- ⊤⊤⊤⊤⊤⊤⊤⊤⊤ **Escarpment**--Indicates selected relatively prominent differences in level between adjacent channel deposits; ticks on side of lower channel
- ⊤⊤⊤⊤⊤⊤⊤⊤⊤ **Sackung feature**--Approximate alignment; only principal trenches shown
- <><><><> **Esker**--Direction of transport unknown; only selected features shown
- ① **Radiocarbon locality**--Site of radiocarbon-dated stratigraphic section listed on table 1
- ⚒ **Abandoned coal mine**--Data from Dobrovolny and Miller (1950)

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey standards and stratigraphic nomenclature.