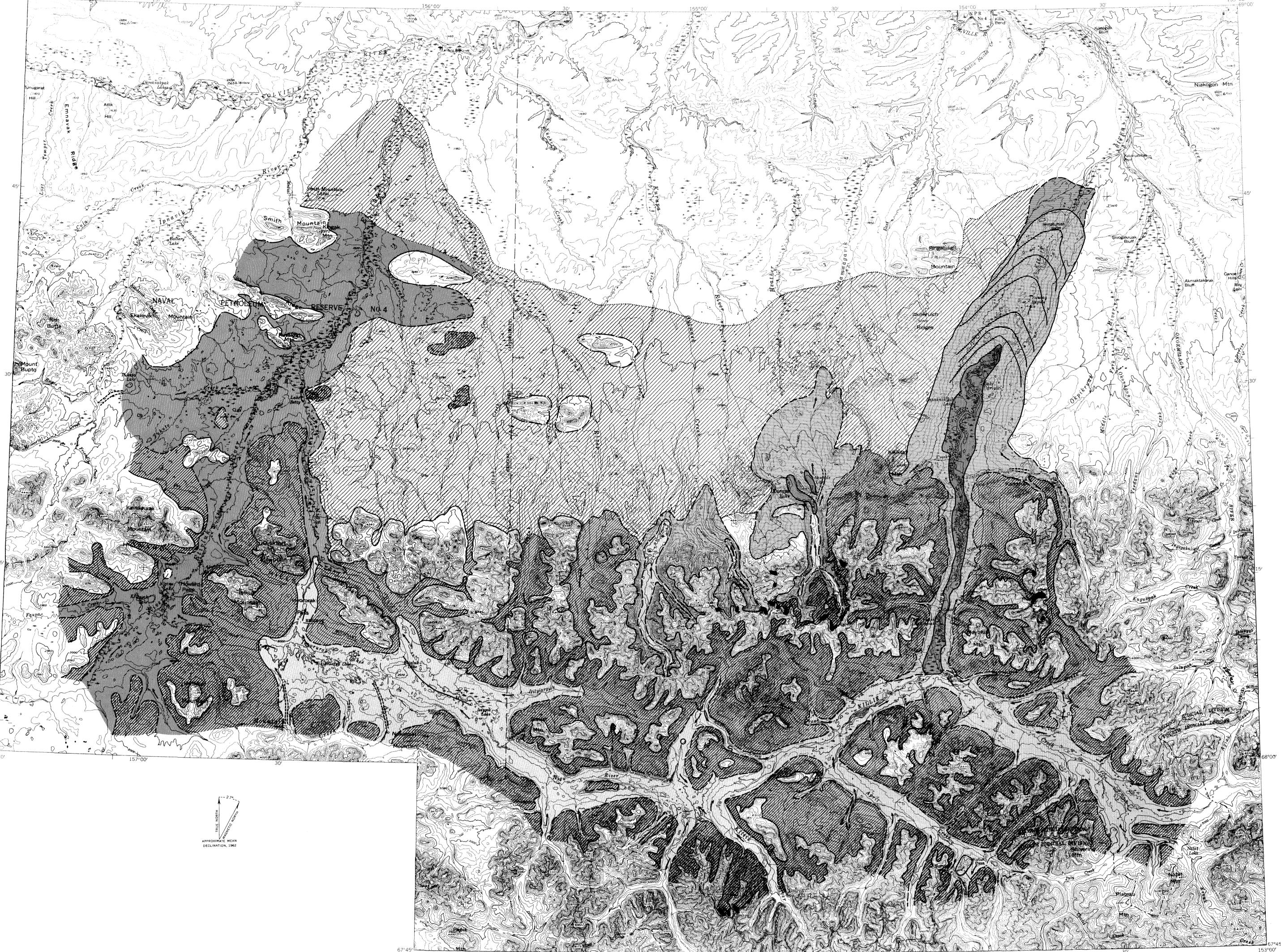
UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

PROFESSIONAL PAPER 303

PLATE 49



GLACIAL MAP OF THE KILLIK-ETIVLUK RIVERS REGION, ALASKA

Base compiled by U.S. Geological Survey

EXPLANATION

Modern cirque glacier
Fan Mountain and Alapah Mountain deposits
probably present at ice margins

Echooka glaciation
Fresh knob and kettle topography, welldeveloped moraines

developed moraines

Itkillik glaciation
Slightly modified knob and kettle topography

Anaktuvuk glaciation

Knob and kettle topography, extremely
weathered

Area where drift of Anaktuvuk(?) glaciation is probably present, but has been partly covered by terrace gravel

May include some drift of the Itkillik stage along Etivluk River

Area where valleys and ridges show sculpturing and erratics are common

Formed dominantly by the Itkillik and Anaktuvuk glaciations, with minor changes during Echooka glaciation

Glacial lakes Killik and Kurupa formed by Itkillik glaciation

Active sand dune areas in the Killik River

Contact of well-defined end, lateral, medial, or recessional moraine

Line also outlines former extent of glacial lakes Kurupa and Killik

Contact of poorly-defined moraine

Boundary between areas covered by glacial deposits and by drift-free areas

Indefinite contact outlining areas that may contain glacial deposits

Probable direction of former stream channels

Direction of ice movement