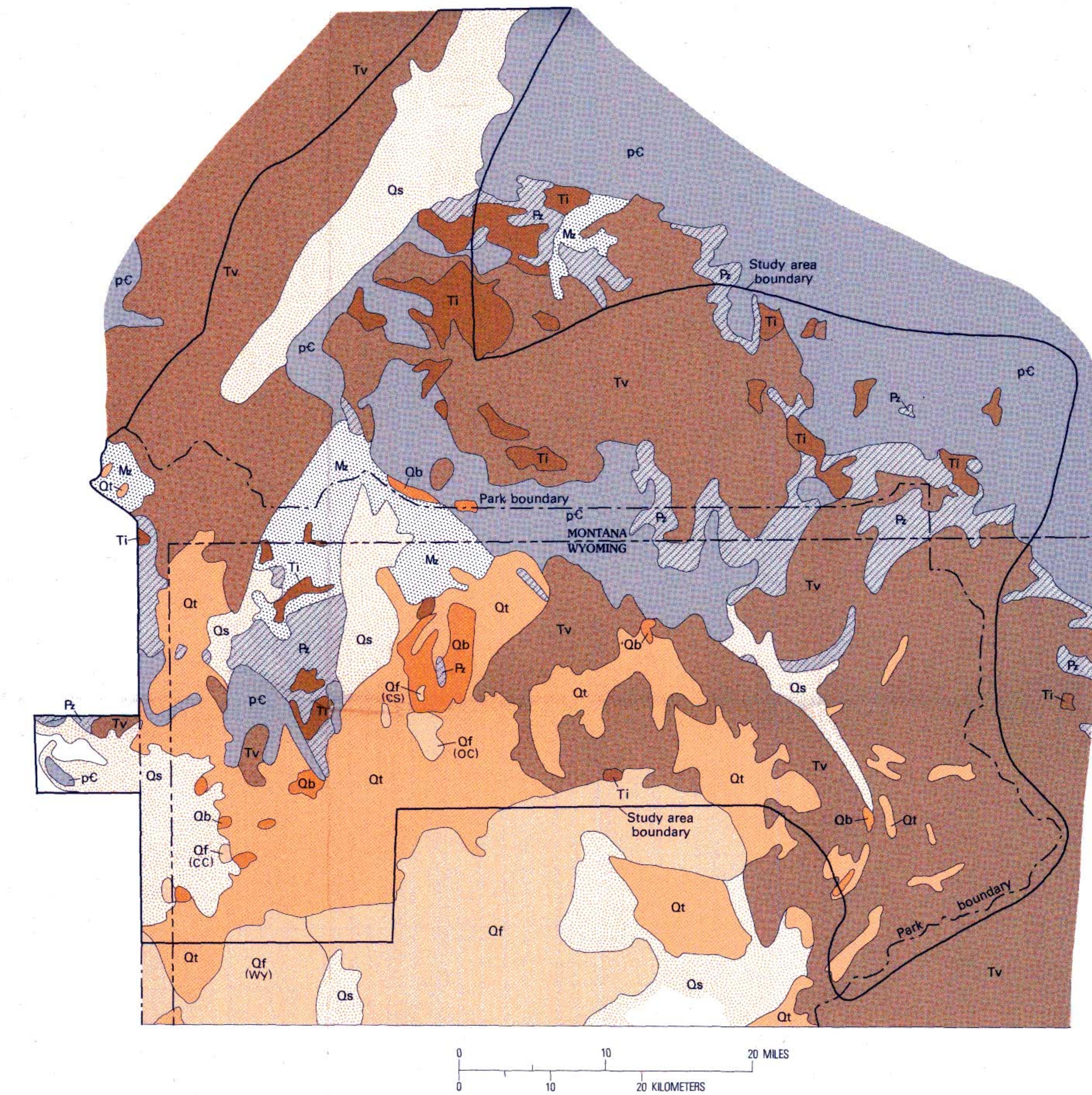


A—PINEDALE FULL-GLACIAL ICEMA

FULL-GLACIAL ICEMASS AND MAJOR BEDROCK TYPES IN THE NORTHERN YELLOWSTONE NATIONAL PARK AREA, WYOMING



B—MAJOR BEDROCK TYPES

The Quaternary tuff and Tertiary volcanic rocks that underlie most of the area do not record or preserve evidence of glaciation very well. This accounts for the lack of recognition of widespread glaciation in previous studies. Sketch map generalized after U.S. Geol. Survey (1972b) and a compilation by Ross, Andrews, and Witkind (1955).



INDEX MAP SHOWING LOCATION OF STUDY AREA

Glacial geology based on fieldwork between 1965–1974, mostly shown on Pierrepont (1973a, b, and 1974a, b). Madison Canyon area based on Waldrop and Pierce (1975), glacial geology along east park boundary south of Frost Pass modified from Richmond and Waldrop (1972). Limit of Pinedale glaciers from Corwin Springs north along Yellowstone valley modified from Weed (1893), Horberg (1940), Montagne (1968, 1972, written commun., 1972), and my own field observations. Limit of Pinedale glaciers based on direction of scour features near drainage divide of Beartooth uplift based on reconnaissance field studies and on more than 450 areas of glacial scour noted on aerial photographs