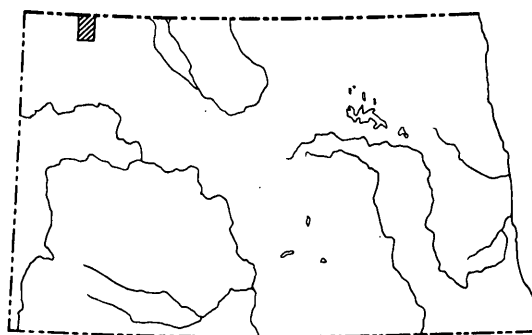


DEPARTMENT OF THE INTERIOR  
UNITED STATES GEOLOGICAL SURVEY  
W. E. WRATHER, DIRECTOR

GEOLOGIC  
QUADRANGLE MAPS  
OF THE  
UNITED STATES  
GEOLOGY  
OF THE  
NOONAN QUADRANGLE  
NORTH DAKOTA  
By  
R. C. Townsend



INDEX MAP OF NORTH DAKOTA

PUBLISHED BY THE U. S. GEOLOGICAL SURVEY  
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1954

The present series of Geologic Quadrangle Maps of the United States continues the project of geologically mapping the entire country, begun with the folios of the Geologic Atlas of the United States, which were published from 1894 to 1945. The new series consists of geologic maps, supplemented where possible by structure sections, columnar sections, and other graphic means of presenting geologic data and accompanied by the minimum of explanatory text required to make the maps useful for general scientific and economic purposes. Full description of the areas shown on these maps and interpretation of the geologic history are reserved for publication in other channels, such as the Bulletins and Professional Papers of the Geological Survey.

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