

**EXPLANATION**

Glacial deposits not shown

**Pu**

Paleozoic rocks, undifferentiated  
Mainly Cambrian sandstones and Ordovician limestones. The contact between the Paleozoic and Precambrian formations established on the basis of outcrops and well records

**g r**

Felsic rocks, undifferentiated  
Mainly granite (g) and rhyolite (r)

**m**

Mafic rocks, undifferentiated  
Mainly diorite or gabbro and greenstone

**qt**

Sedimentary and metasedimentary rocks, undifferentiated  
Mainly quartzite

Lithology unknown

Material other than granite indicated by: r, rhyolite; gn, gneiss

Diorite

Material other than quartzite indicated by: sch, schist; sl, slate; if, iron-formation

Wells  
Drilled through Paleozoic rocks and into Precambrian rocks. Number is depth in feet to Precambrian surface; lithology indicated where known

Granite Rhyolite  
Felsic rock

Diorite or gabbro Greenstone  
Mafic rock

Quartzite  
Metasedimentary rock

Exposures of bedrock  
Each symbol represents one or more outcrops

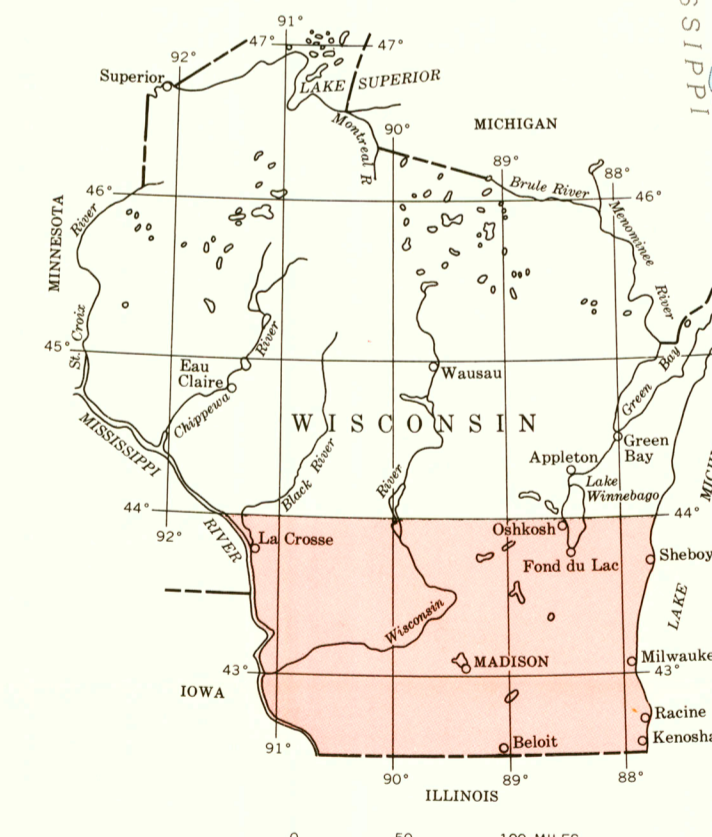
Approximate or inferred contact

Approximate or inferred fault in Precambrian rocks  
U, upthrown side; D, downthrown side

Magnetic contours  
Based on aeromagnetic survey. Show total intensity field of the earth in gammas relative to approximate average magnetic value of 59,200 gammas for the State. Hachures indicate closed areas of lower magnetic intensity. Contour intervals 100, 200, and 400 gammas

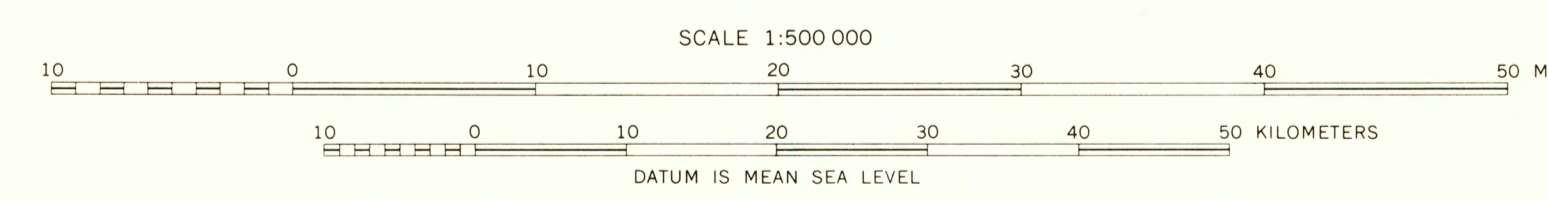
Gravity contours  
Based on gravimeter survey. Contour interval 10 milligals

Locality for which geochronological data are available  
Locality number refers to table 1. Lower number is age in billions of years



AREA OF THIS SHEET

Base from U.S. Geological Survey  
State base map, 1968



INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1970—669533

Aeromagnetic map from R. W. Patenaude, 1964

Gravity map from surveys by R. C. Coon, 1966; J. W. Mack, 1967; E. C. Theil, 1955; and R. J. Wold and N. J. Ostensio, unpublished data; all under the direction of G. P. Wollard

Geology compiled in 1964-68



**M(200)**  
I.  
no.631  
sheet 5  
c.2



Map of southern Wisconsin showing lithologic data, areal geology of Precambrian rocks, and magnetic and gravity contours

**LITHOLOGIC, GEOPHYSICAL, AND MINERAL COMMODITY MAPS OF PRECAMBRIAN ROCKS IN WISCONSIN**

By  
Carl E. Dutton and Reta E. Bradley  
1970