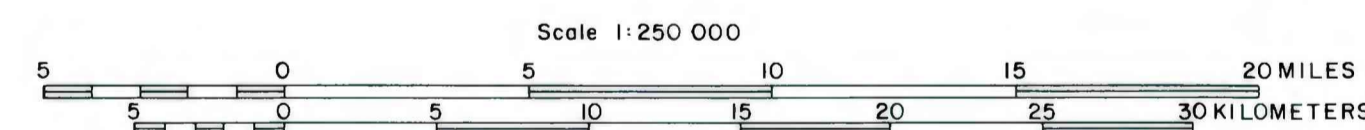


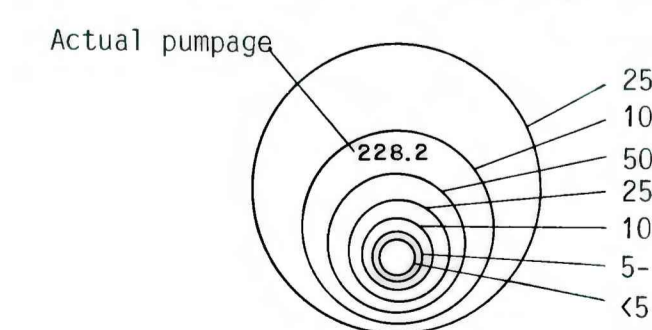
Base from Geological Survey
State Base Map 1:500,000



DAKOTA AQUIFER--Estimated well yields,
in gallons per minute

- Greater than 500
- 100-499
- Less than 100
- No Dakota aquifer

MUNICIPAL PUMPAGE, IN MILLIONS OF GALLONS,
FROM THE DAKOTA AQUIFER DURING 1980



EXPLANATION

- LINE OF EQUAL ESTIMATED POTENTIAL YIELD--Dashed where approximately located
- POTENTIOMETRIC SURFACE CONTOUR--Altitude of the potentiometric surface. Contour interval 50 feet. Datum is NGVD of 1929
- TRACE OF GEOHYDROLOGIC SECTION

Total aggregate sandstone or gravel thickness

- Total thickness not penetrated
- Depth to top of aquifer, in feet

Test hole or well

- Actual pumpage
- Altitude of potentiometric surface, in feet above NGVD of 1929
- Water level measured August 1983

MAP SHOWING LOCATION, ESTIMATED WELL YIELDS, AND MUNICIPAL PUMPAGE FROM THE DAKOTA AQUIFER IN WEST-CENTRAL IOWA