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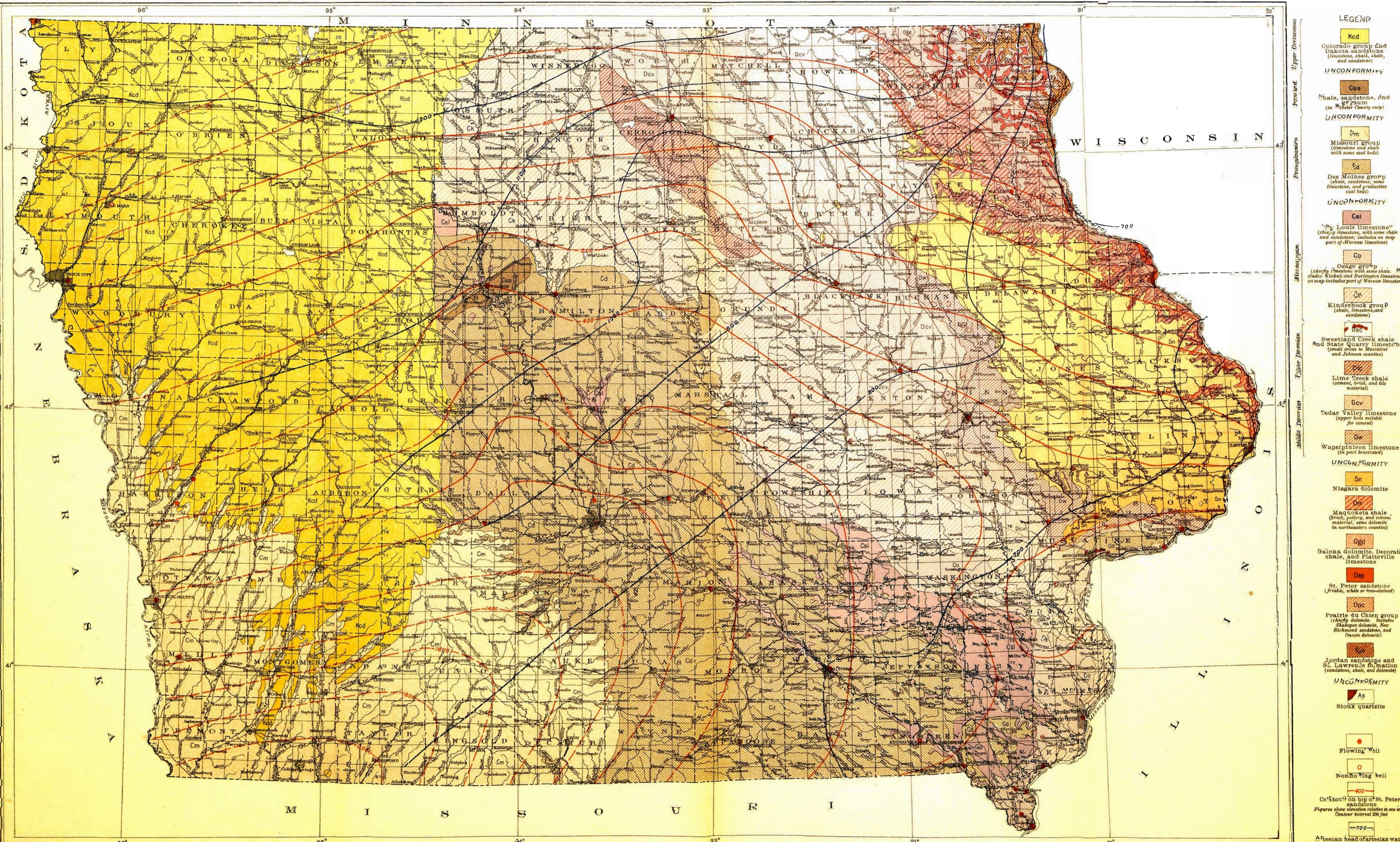
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**LEGEND**

**Kcd**  
Colorado group and Dakota sandstone (limestone, chert, shale, and sandstone)

**UNCONFORMITY**

**Css**  
Shale, sandstone, and gyp sum (in Waterloo County only)

**UNCONFORMITY**

**Cm**  
Missouri group (limestone and shale with some coal beds)

**Sd**  
Des Moines group (shale, sandstone, some limestone, and productive coal beds)

**UNCONFORMITY**

**Csl**  
"St. Louis limestone" (chiefly limestone, with some shale and sandstone; includes on map part of Warsaw limestone)

**Co**  
Osage group (chiefly limestone with some shale; includes Keokuk and Burlington limestones; on map includes part of Warsaw limestone)

**Ck**  
Kinderhook group (shale, limestone, and sandstone)

**Dsc**  
Sweetland Creek shale and State Quarry limestone (small areas in Muscatine and Johnson counties)

**Dic**  
Lime Creek shale (cement, brick, and tile material)

**Dcv**  
Cedar Valley limestone (upper beds suitable for cement)

**Dw**  
Wapsipicon limestone (in part brecciated)

**UNCONFORMITY**

**Sn**  
Niagara dolomite

**Om**  
Maquoketa shale (brick, pottery, and cement material; some dolomite in northeastern counties)

**Ogd**  
Galena dolomite, Decorah shale, and Plattville limestone

**Osp**  
St. Peter sandstone (friable, white or iron-stained)

**Opc**  
Prairie du Chien group (chiefly dolomite; includes Shakopee dolomite, New Richmond sandstone, and Menota dolomite)

**Unconformity**

**As**  
Jordan sandstone and St. Lawrence formation (sandstone, shale, and dolomite)

**UNCONFORMITY**

**As**  
Sioux quartzite

**Flowing well**  
O

**Nonflowing well**  
O

**400**  
Contour on top of St. Peter sandstone

**Figures show elevation relative to sea level**  
Contour interval 200 feet

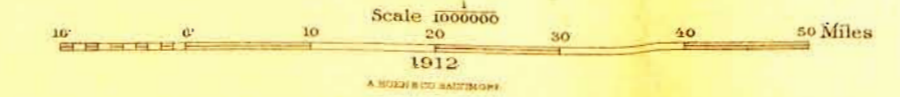
**700**  
Artesian head of artesian water

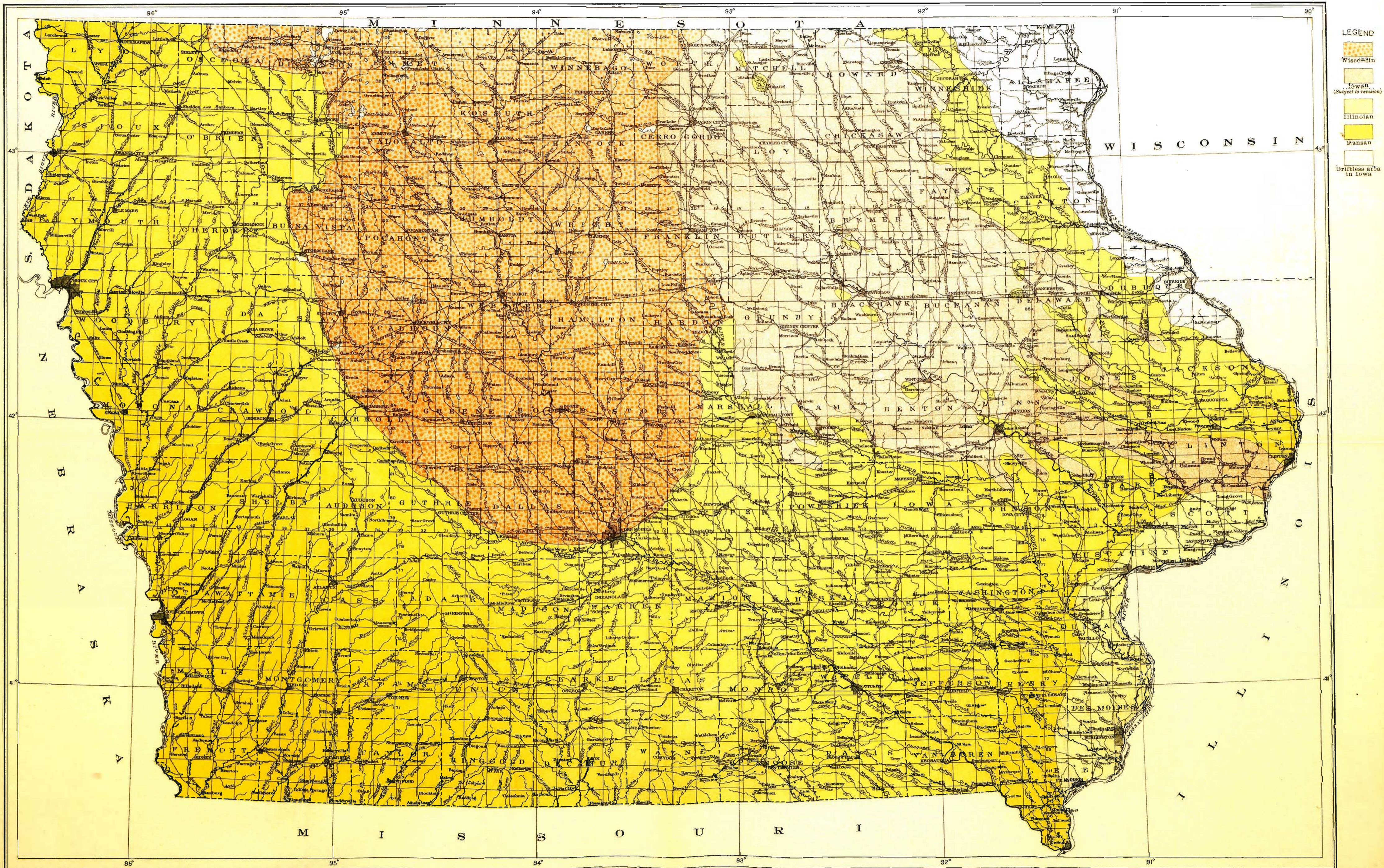
**Contour interval 100 feet**

Base compiled from U. S. Geological Survey atlas sheets, Land Office data, surveys by Mississippi and Missouri River commissions, county maps, and other sources.

GEOLOGIC MAP OF IOWA SHOWING ARTESIAN CONDITIONS AND ELEVATION OF ST. PETER SANDSTONE

Geology by Iowa Geological Survey  
Structure contours and artesian data by W. H. Norton





Base compiled from U. S. Geological Survey atlas sheets, Land Office data, surveys by Mississippi and Missouri River commissions, county maps, and other sources.

MAP OF IOWA SHOWING DRIFT SHEETS

Scale 1:100,000  
0 10 20 30 40 50 Miles  
1912  
A. H. HENRY & CO. BOSTON, U.S.A.

Compiled from reports of the Iowa Geological Survey