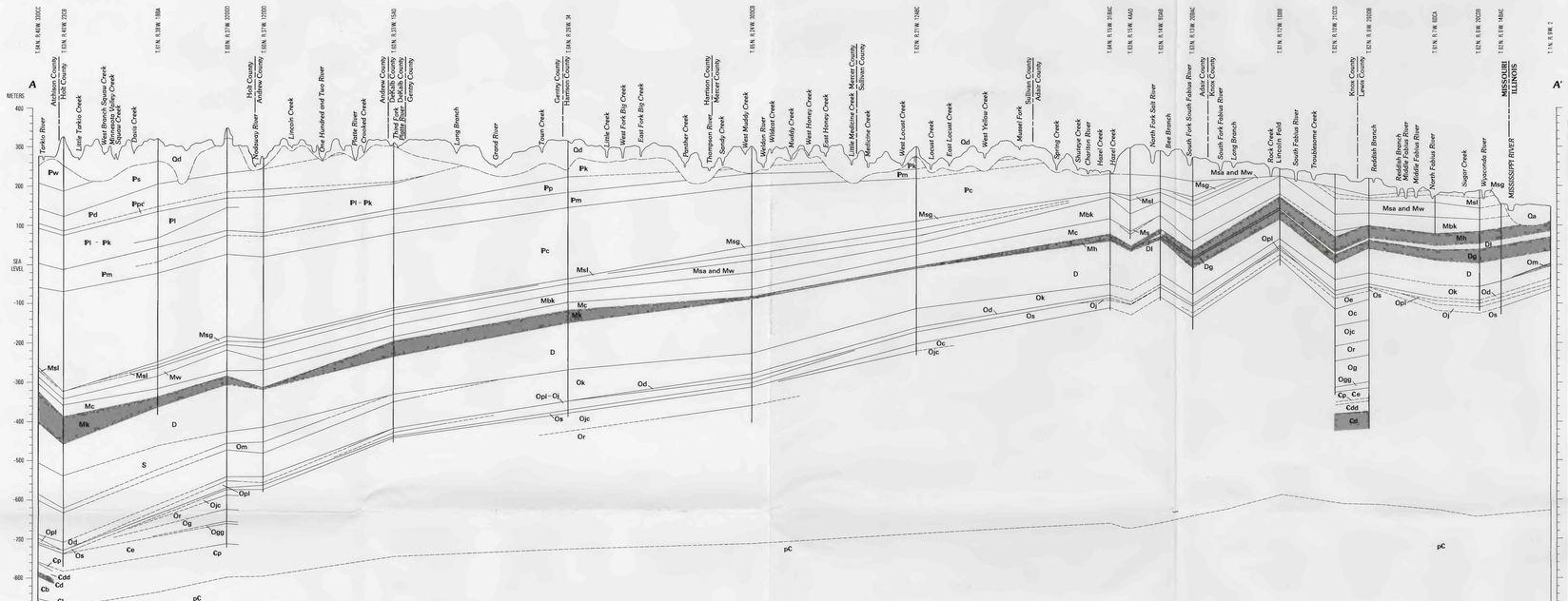
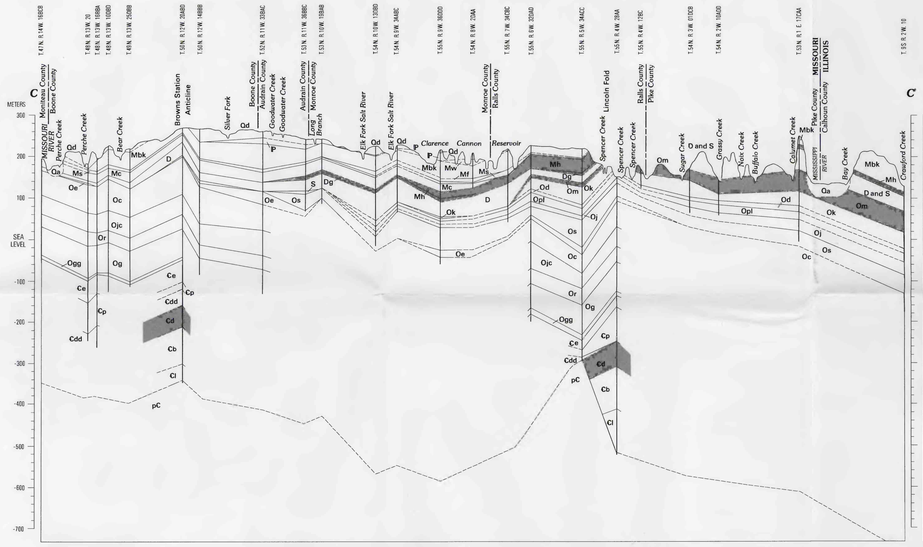
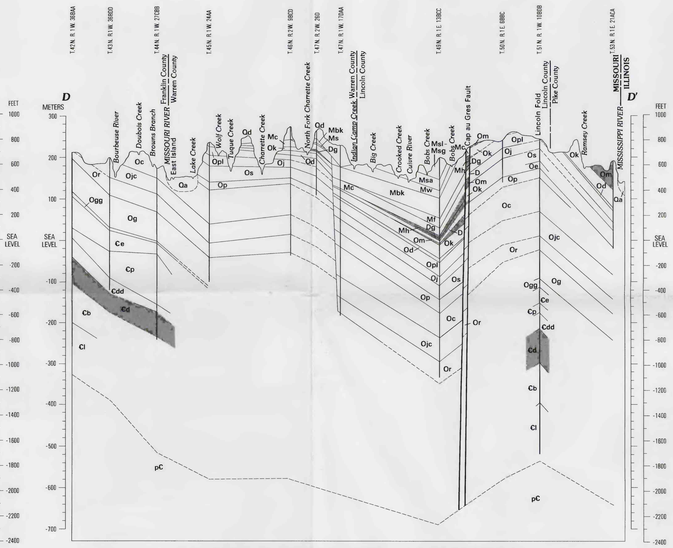


A—GEOLOGIC SECTION *A–A′* (WEST TO EAST)

B—GEOLOGIC SECTION *B–B′* (SOUTH TO NORTH)





C—GEOLOGIC SECTION *C–C′* (SOUTHWEST TO NORTHEAST)

D—GEOLOGIC SECTION *D–D′* (SOUTH TO NORTH)

0 10 20 30 40 50 MILES
0 10 20 30 40 50 KILOMETERS
Vertical scale greatly exaggerated
National Geodetic Vertical Datum of 1929

EXPLANATION

QUATERNARY SYSTEM
- Qd Glacial Drift
- Qa Alluvium

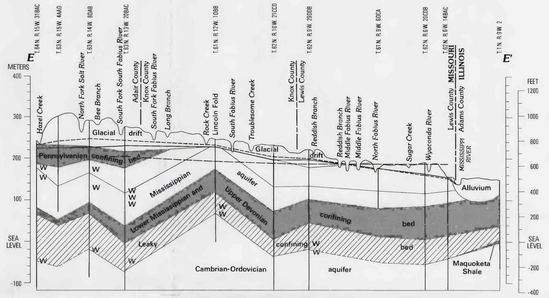
PENNSYLVANIAN SYSTEM
- P Wabaunsee Group
- Pw Wabaunsee Group
- Ps Shawnee Group
- Pd Douglas Group
- Ppd Pedee Group
- Pl Lansing Group
- Pk Kansas City Group
- Pp Pleasanton Formation
- Pm Marmaton Group
- Pc Cherokee Shale

MISSISSIPPIAN SYSTEM
- Msg Ste. Genevieve Limestone
- Msl St. Louis Limestone
- Msa Salem Limestone
- Mw Warsaw Limestone
- Mbk Burlington and Keokuk Limestones
- Mf Fern Glen Limestone
- Ms Sedalia Limestone
- Mc Chouteau Limestone
- Mk "Kinderhook shale"
- Mh Hannibal Shale
- D DEVONIAN SYSTEM
- Dl Louisiana Limestone
- Dg Grassy Creek Shale
- S SILURIAN SYSTEM

ORDOVICIAN SYSTEM
- Om Maquoketa Shale
- Ok Kimmswick Limestone
- Od Decorah Formation
- Opl Plattin Limestone
- Oj Joachim Dolomite
- Os St. Peter Sandstone
- Oe Everton Formation
- Op Powell Dolomite
- Oc Cotter Dolomite
- Ojc Jefferson City Dolomite
- Or Roubidoux Formation
- Og Gasconade Dolomite
- Ogg Gunter Sandstone Member

CAMBRIAN SYSTEM
- Ce Eminence Dolomite
- Cp Potosi Dolomite
- Cdd Derby–Doe Run Dolomite
- Cd Davis Formation
- Cb Bonneterre Dolomite
- Cl Lamotte Sandstone
- pC PRECAMBRIAN

Note: Shaded areas indicate shale confining units



ALTITUDE OF THE WATER TABLE

ALTITUDE OF THE PREPUMPING POTENTIOMETRIC SURFACE OF THE MISSISSIPPIAN AQUIFER

ALTITUDE OF THE PREPUMPING POTENTIOMETRIC SURFACE OF THE CAMBRIAN-ORDOVICIAN AQUIFER

W DEPTH AT WHICH A SIGNIFICANT FLOW OF WATER WAS ENCOUNTERED DURING DRILLING

E—HYDROGEOLOGIC SECTION *E–E′* SHOWING RELATIVE PREPUMPING POTENTIOMETRIC SURFACES

INDEX MAP OF MISSOURI SHOWING LOCATION OF CROSS SECTIONS

CROSS SECTIONS SHOWING GROUNDWATER SYSTEM IN NORTHERN MISSOURI