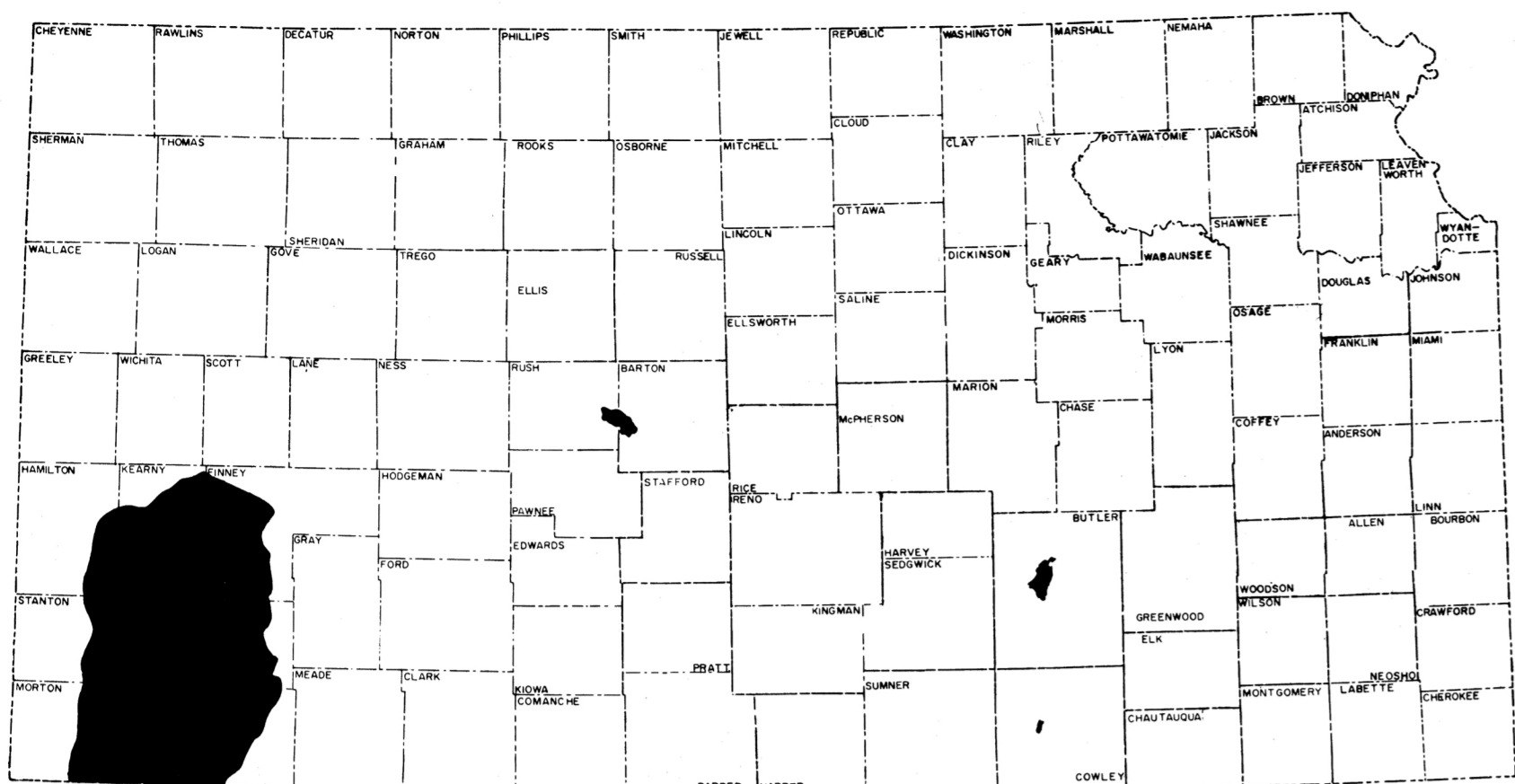
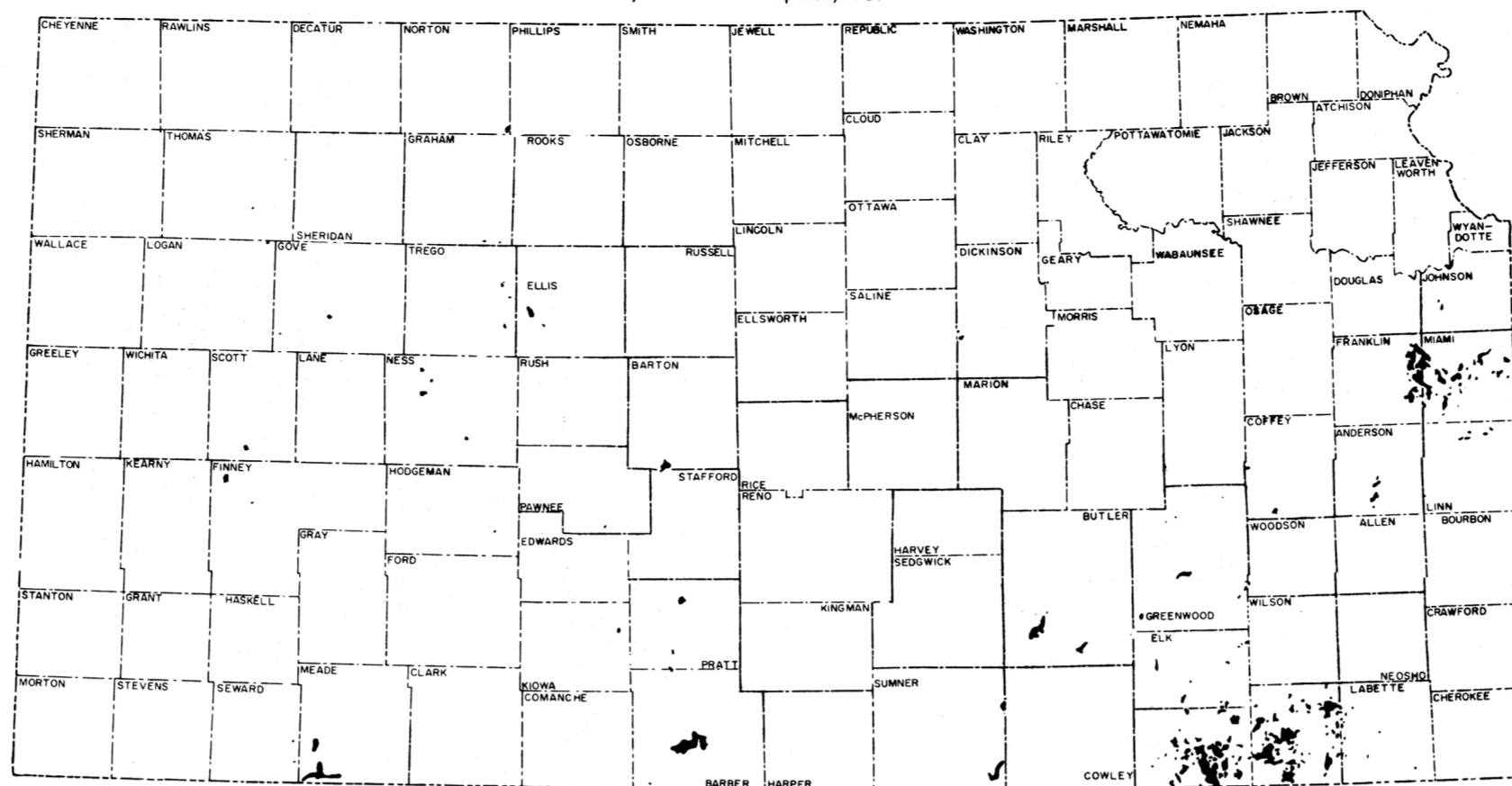


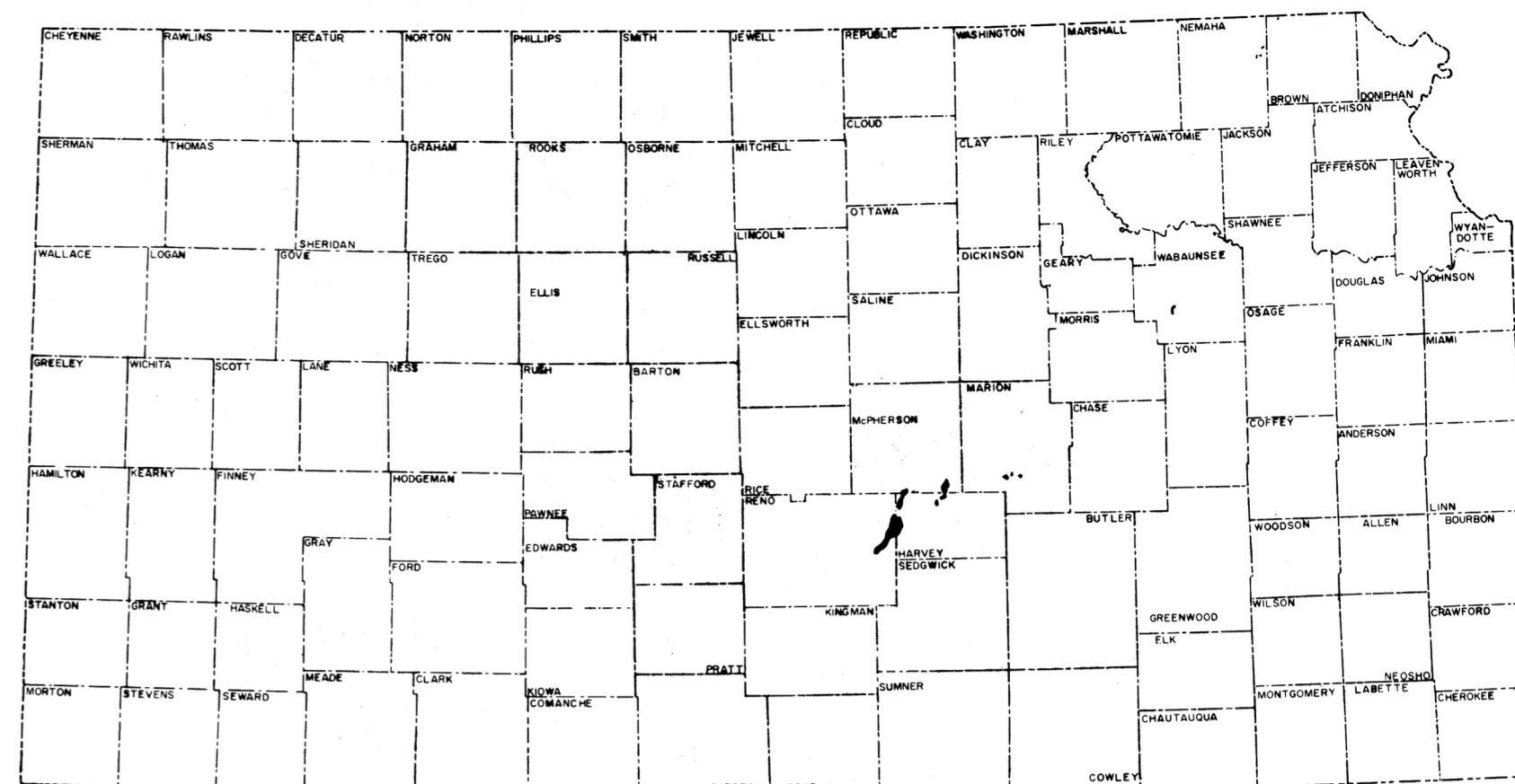
by Paul Lorenz Hilman, 1957



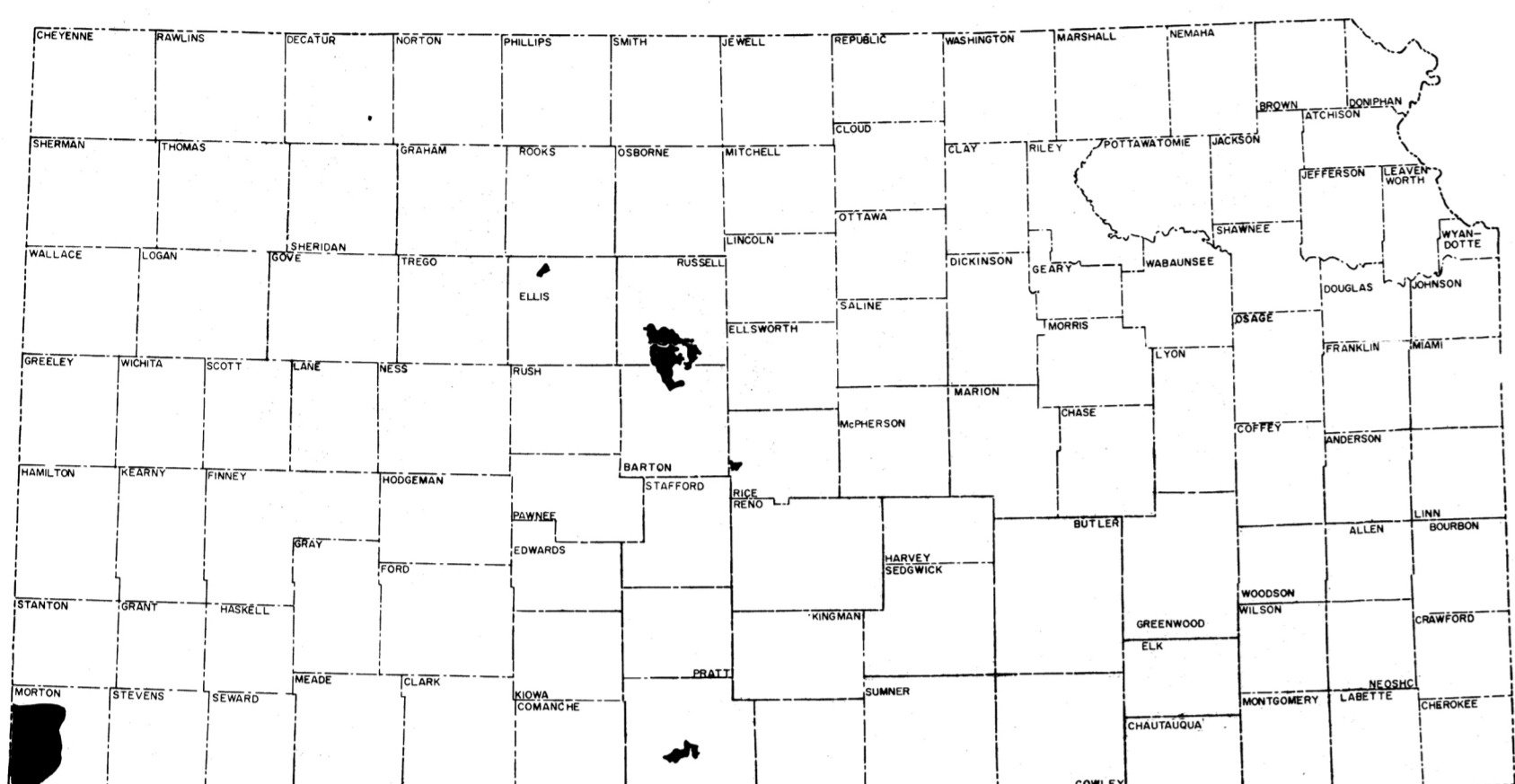
Lower Permian



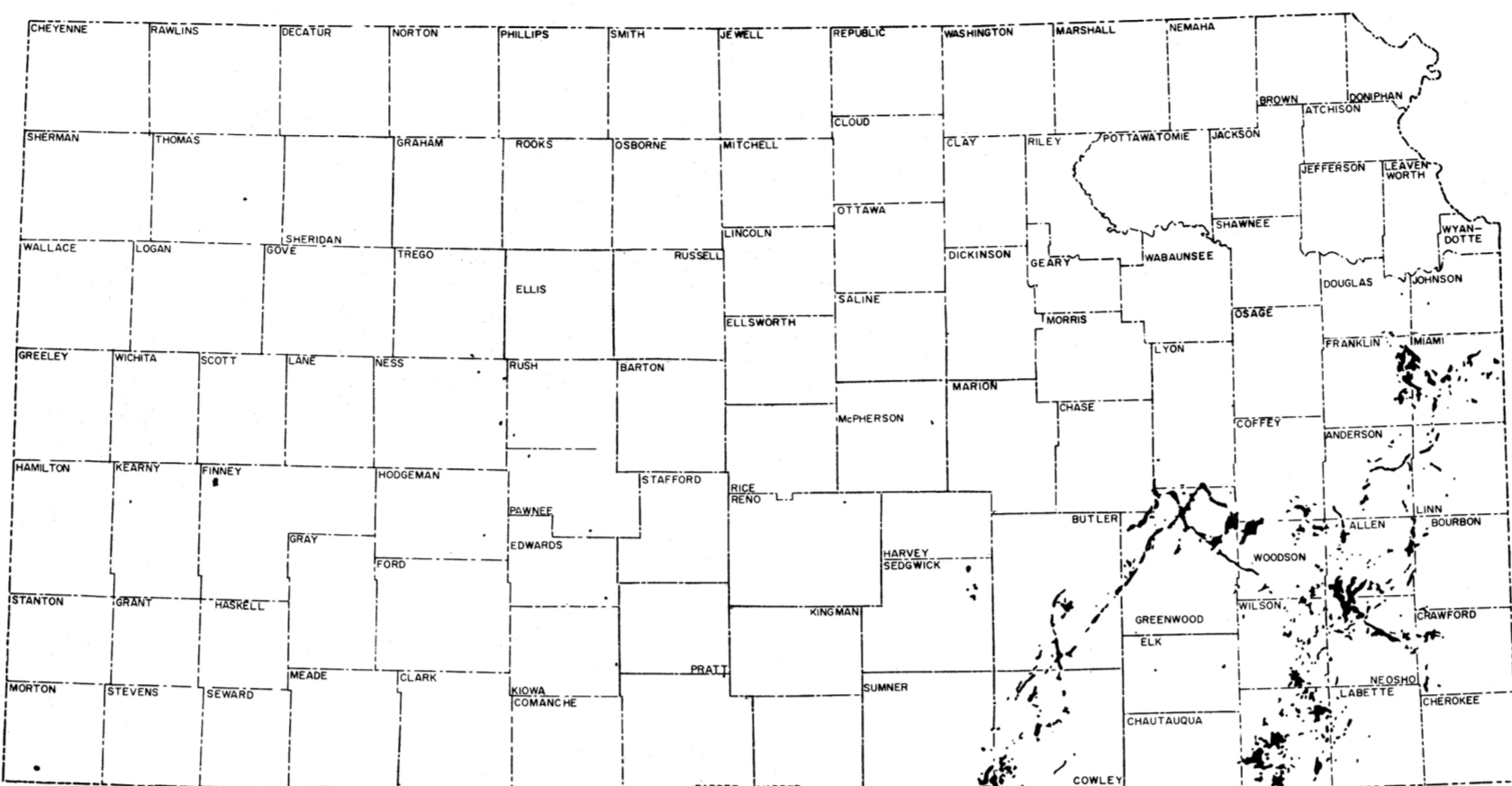
Marmaton



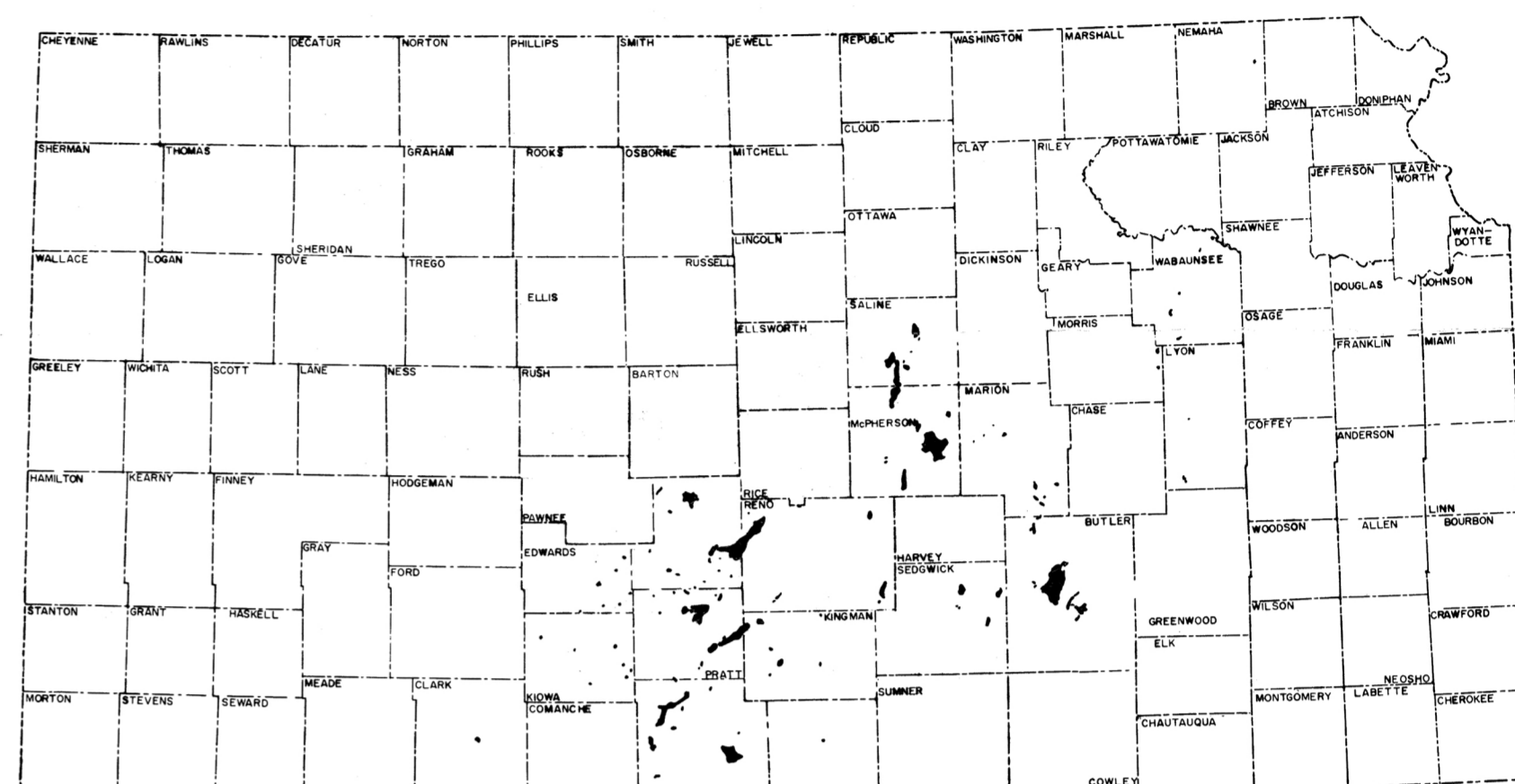
Hunton



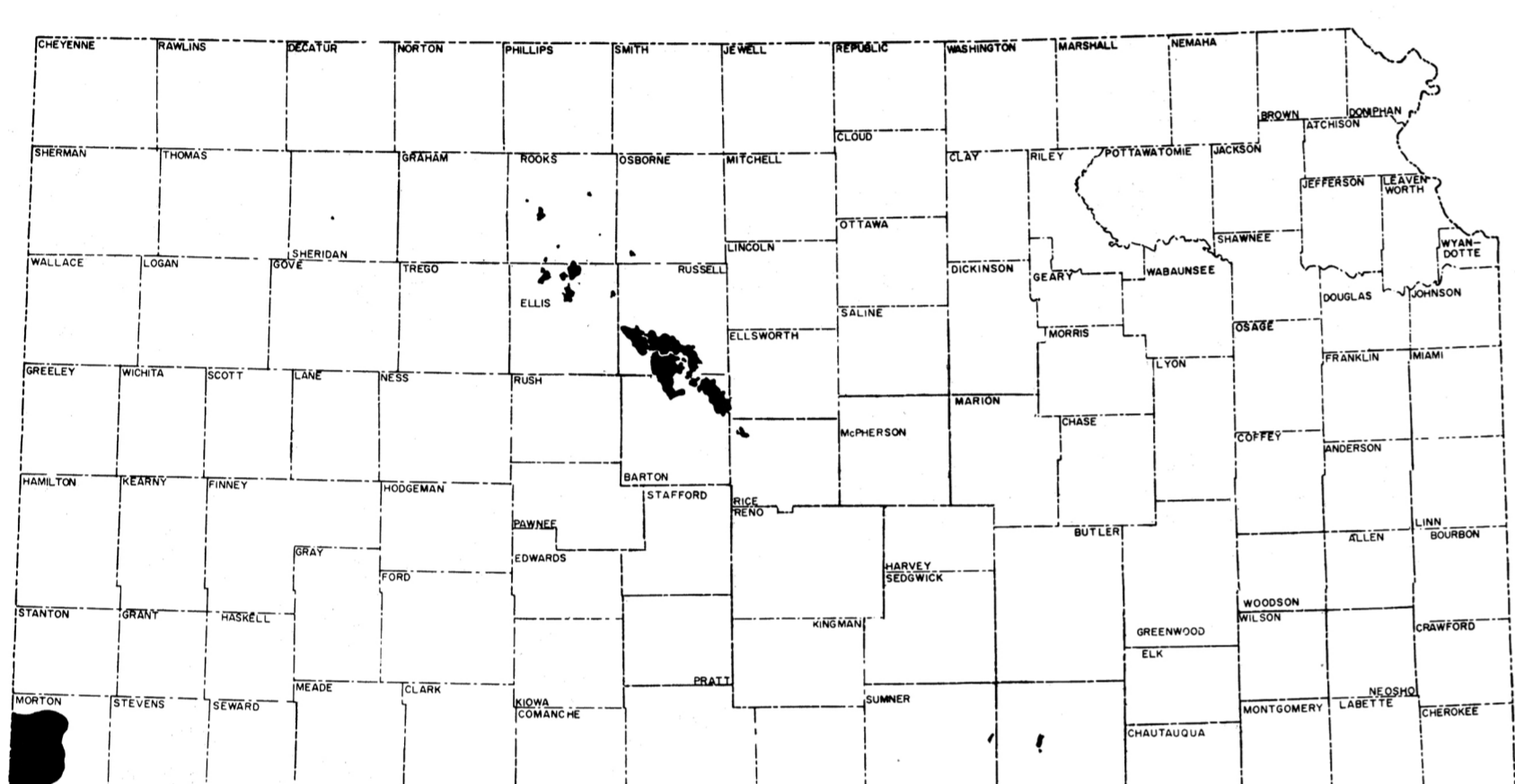
Wabunsee



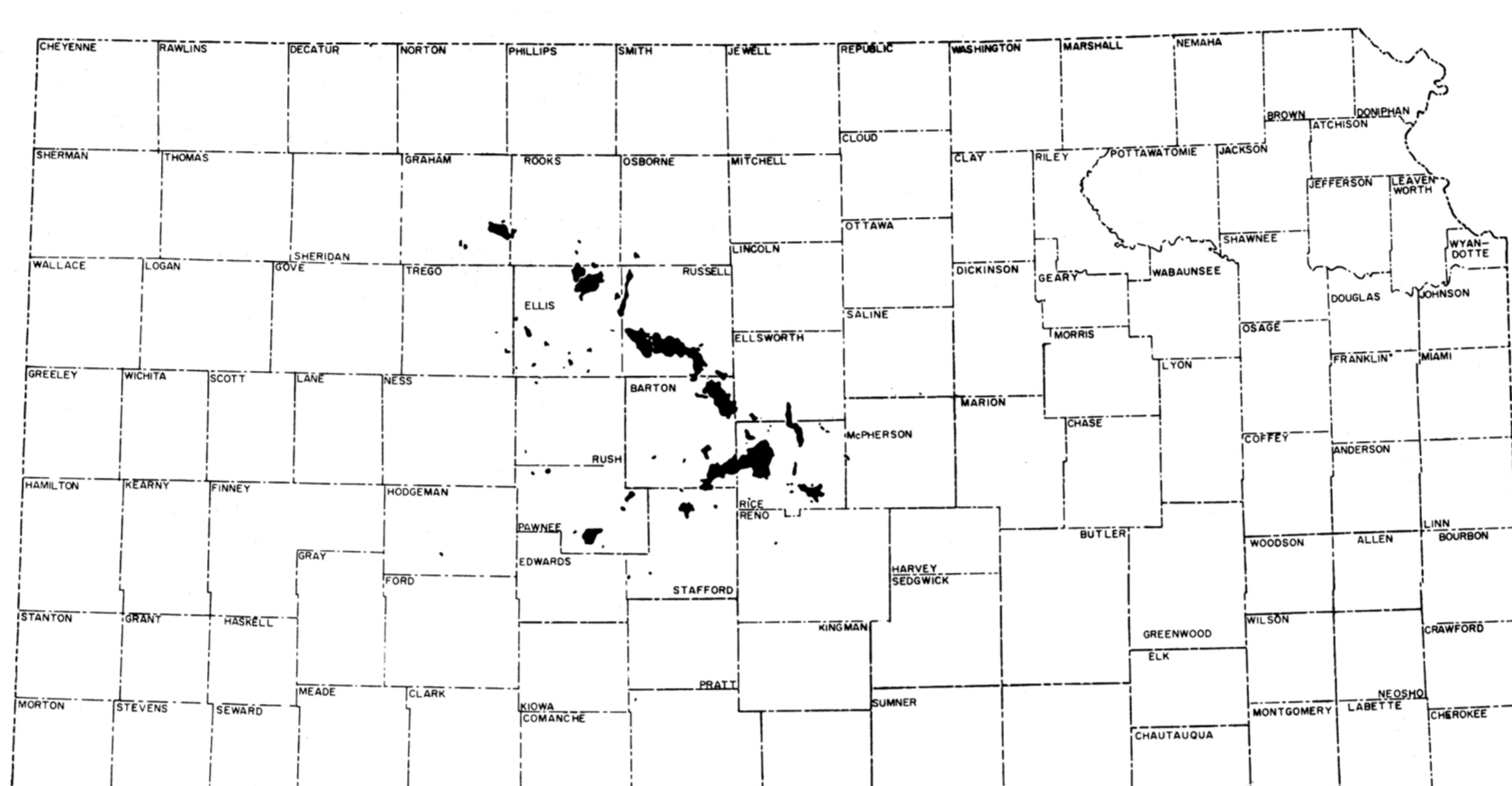
Cherokee



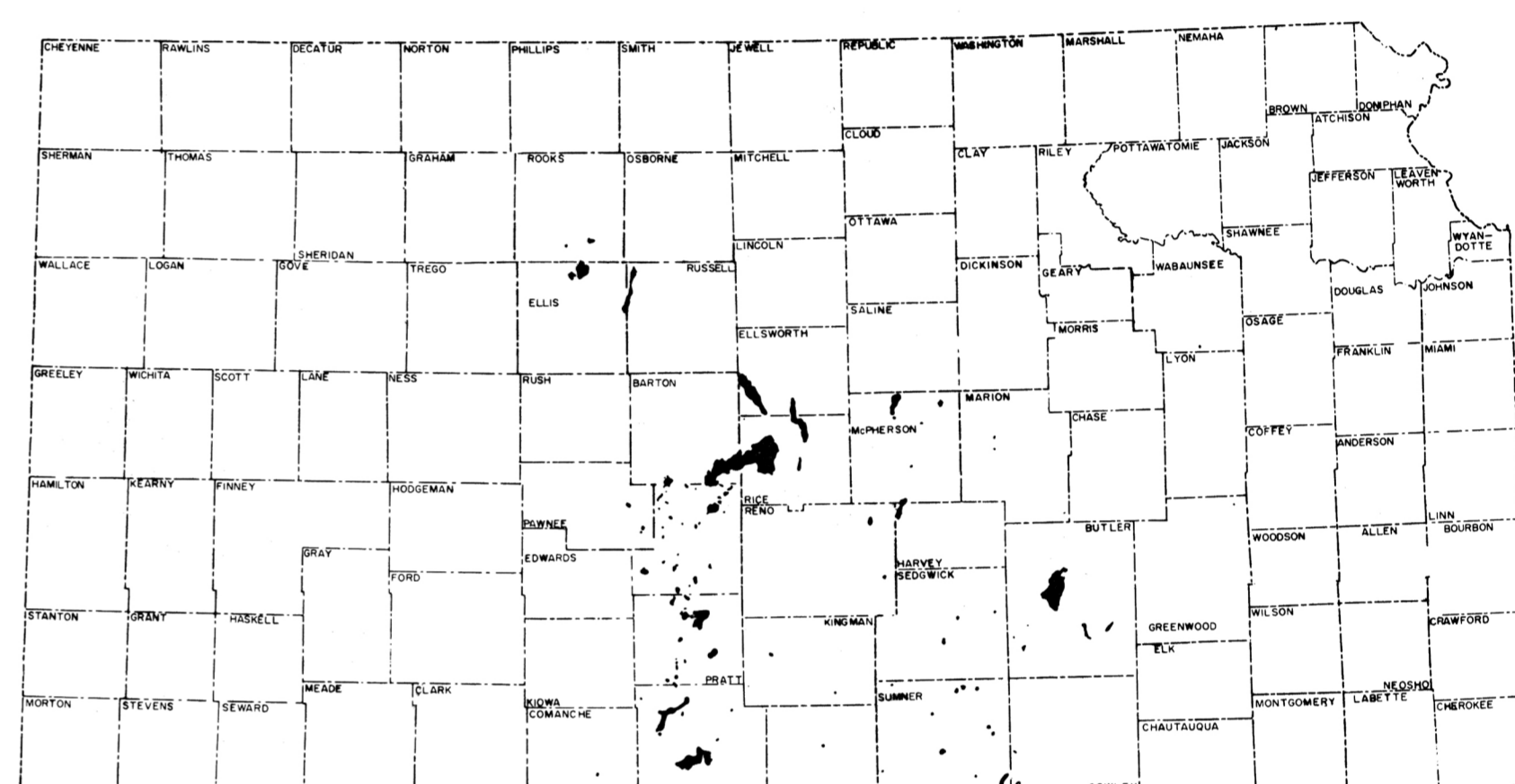
Viola



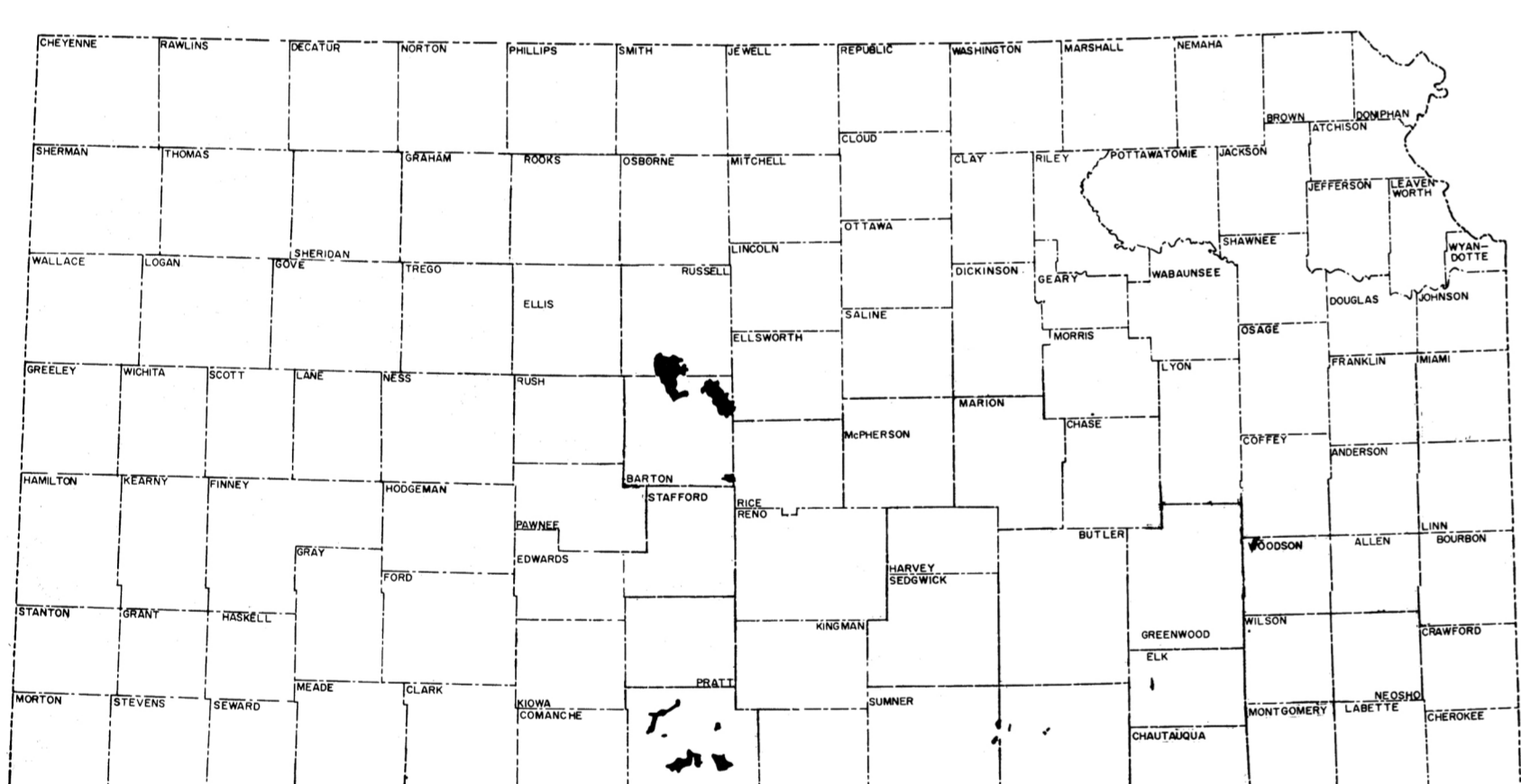
Shawnee



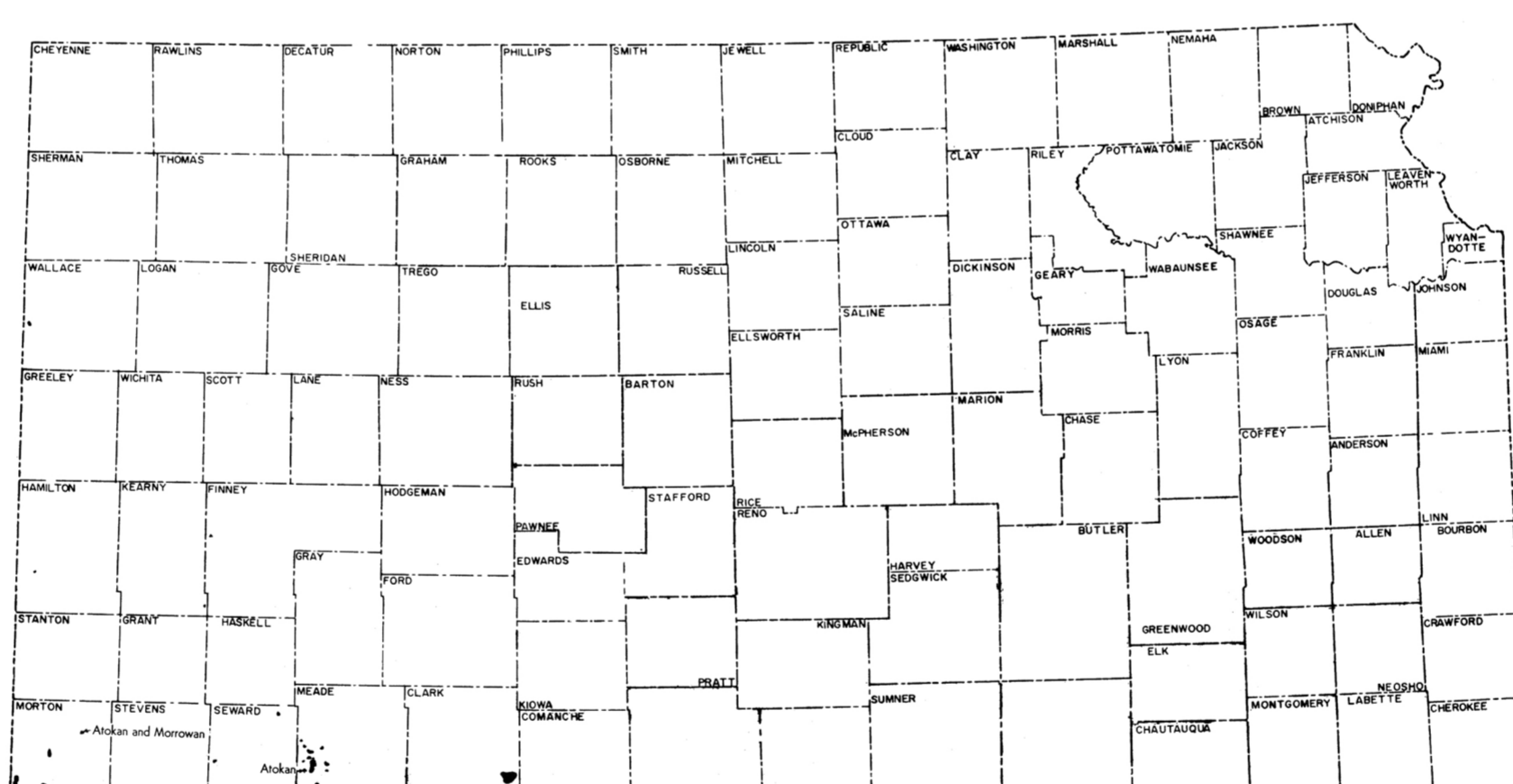
Pennsylvanian basal conglomerate



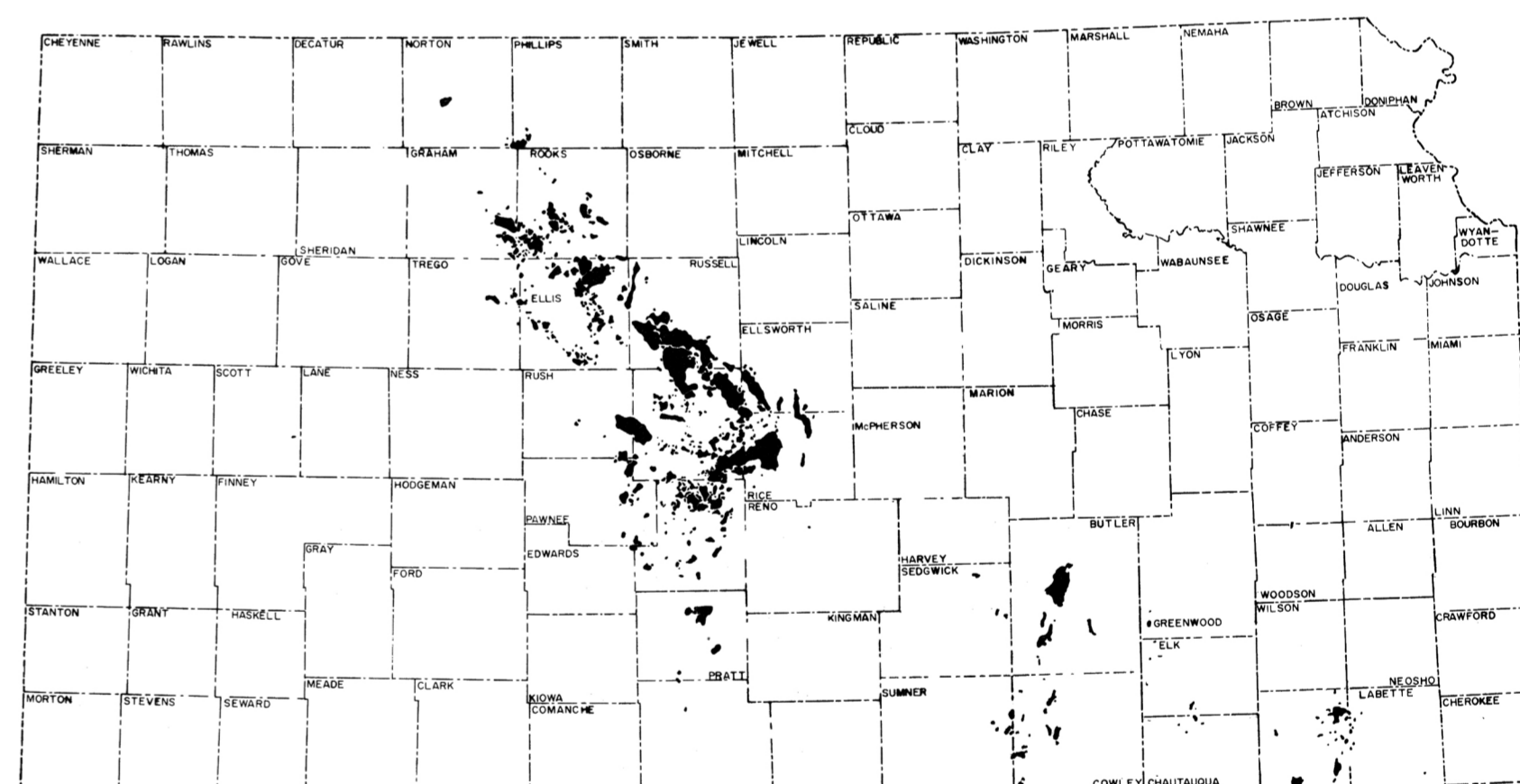
Simpson



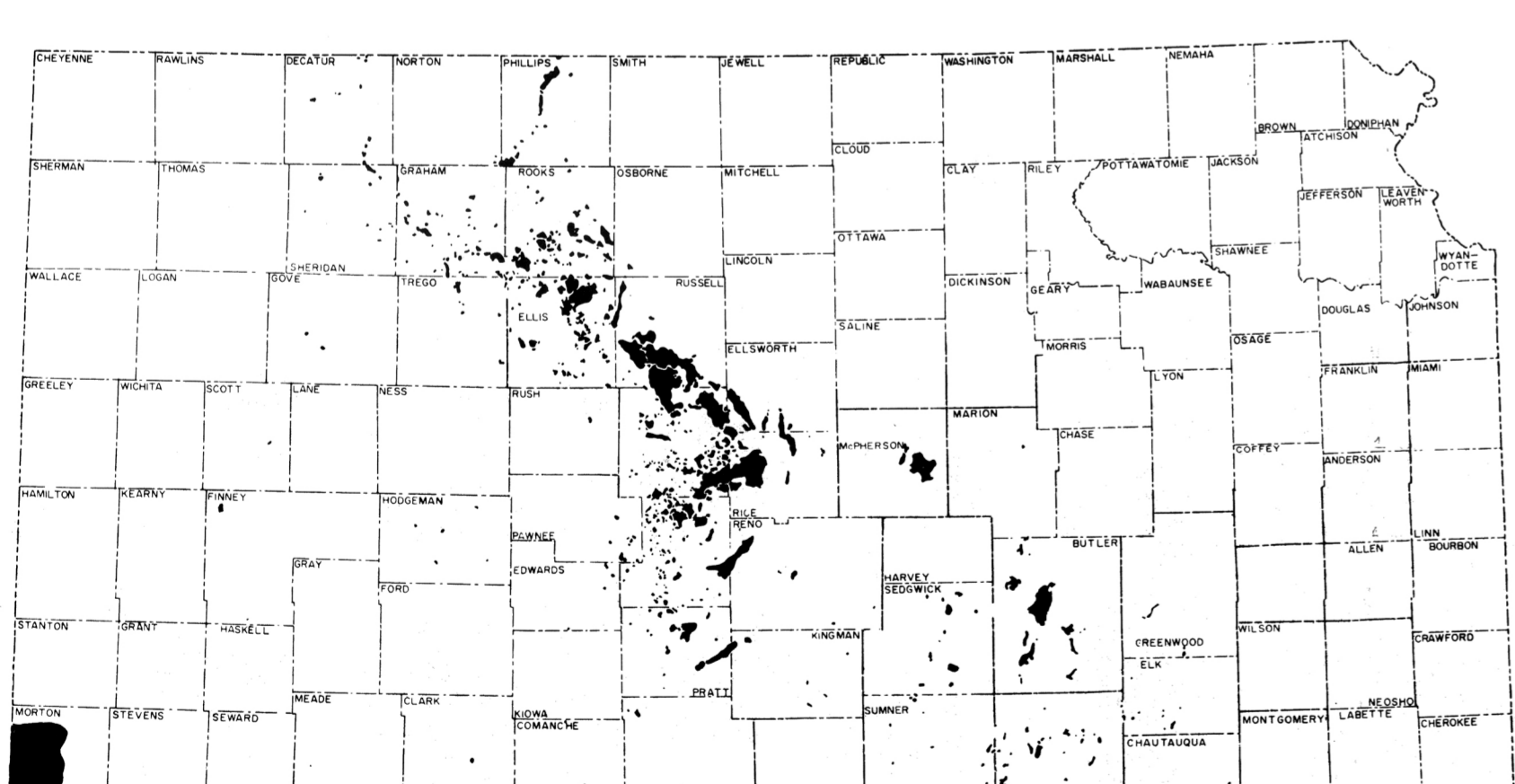
Douglas



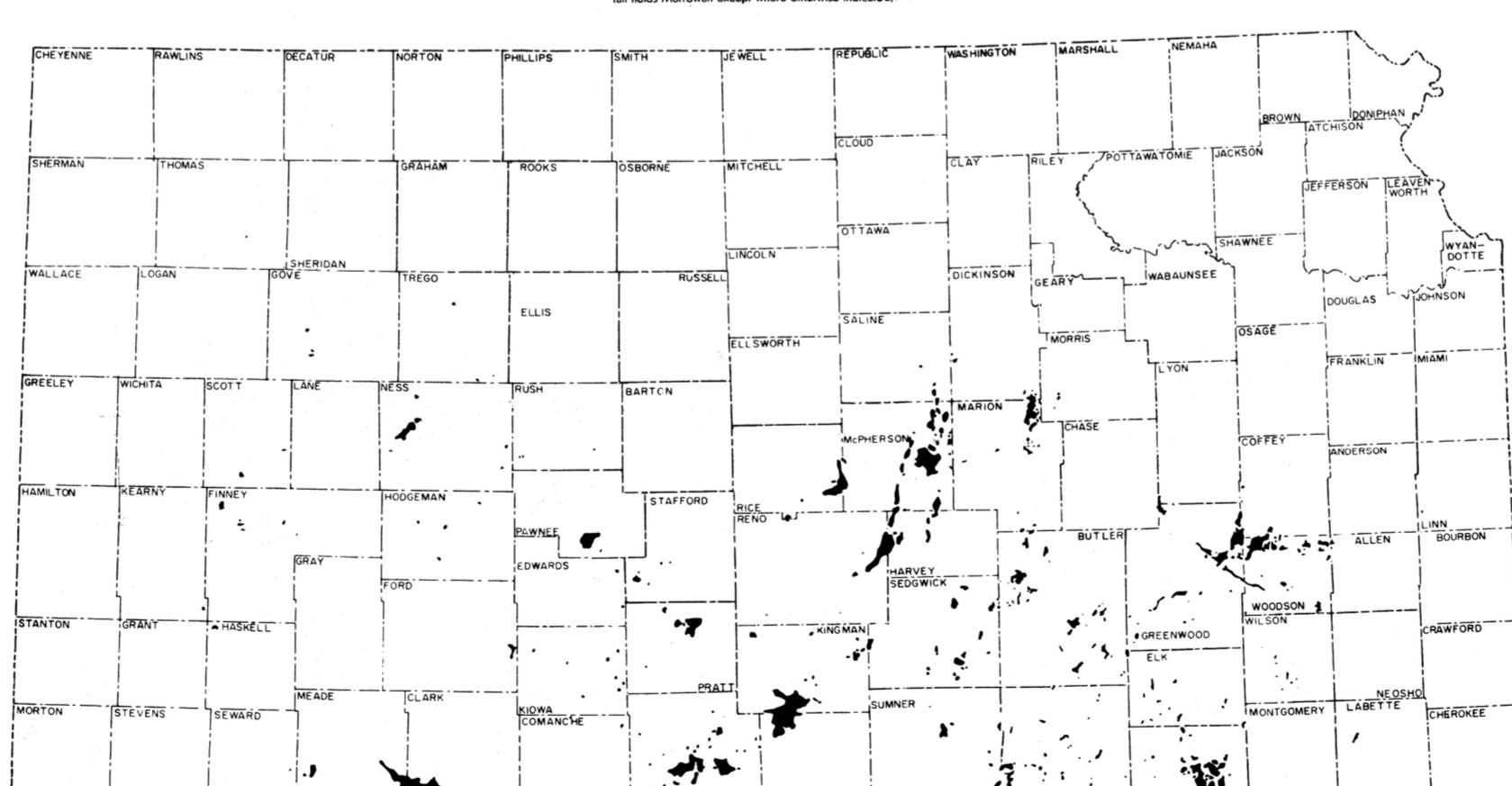
Atokan and Morrowan  
(all fields Morrowan except where otherwise indicated)



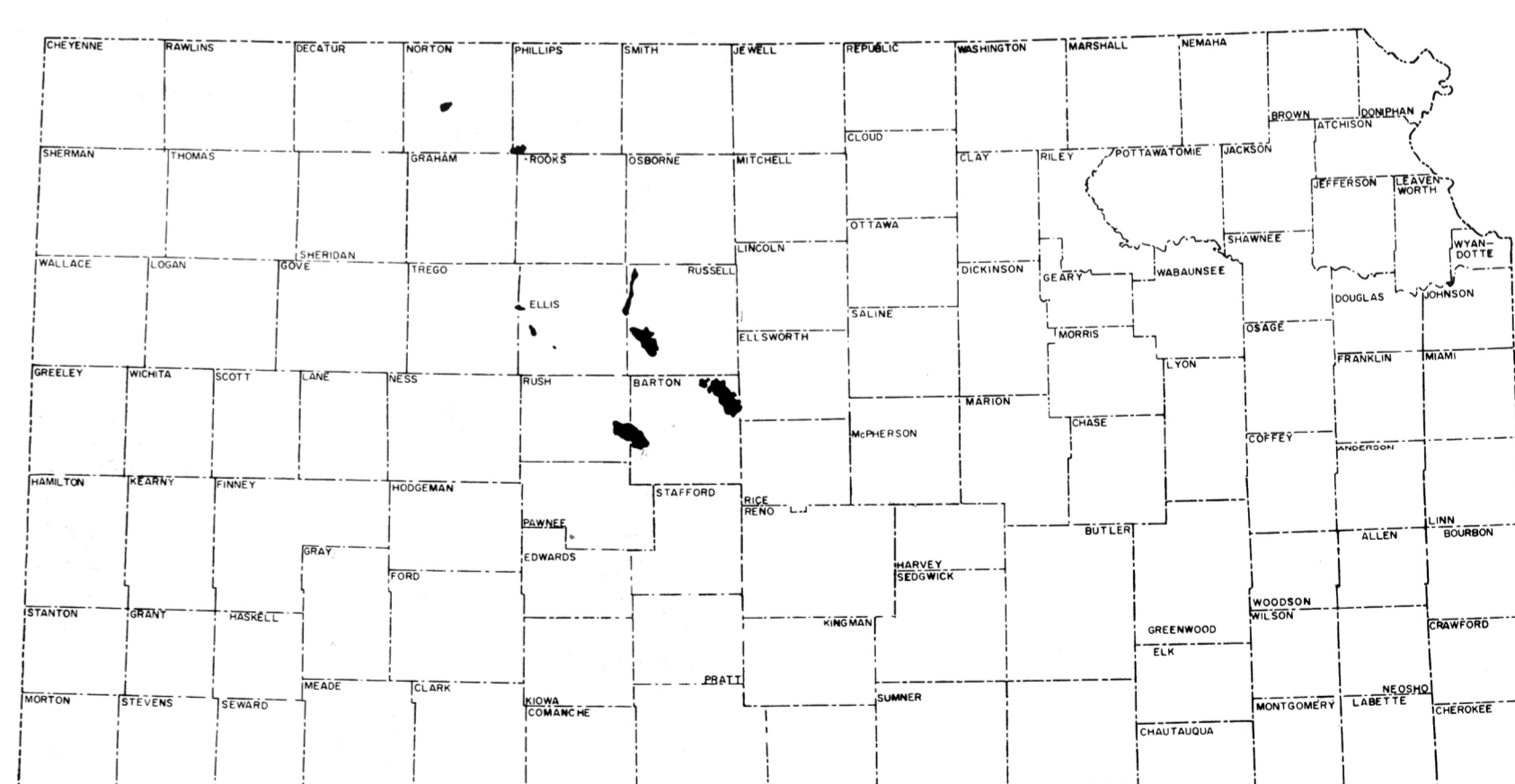
Arbuckle



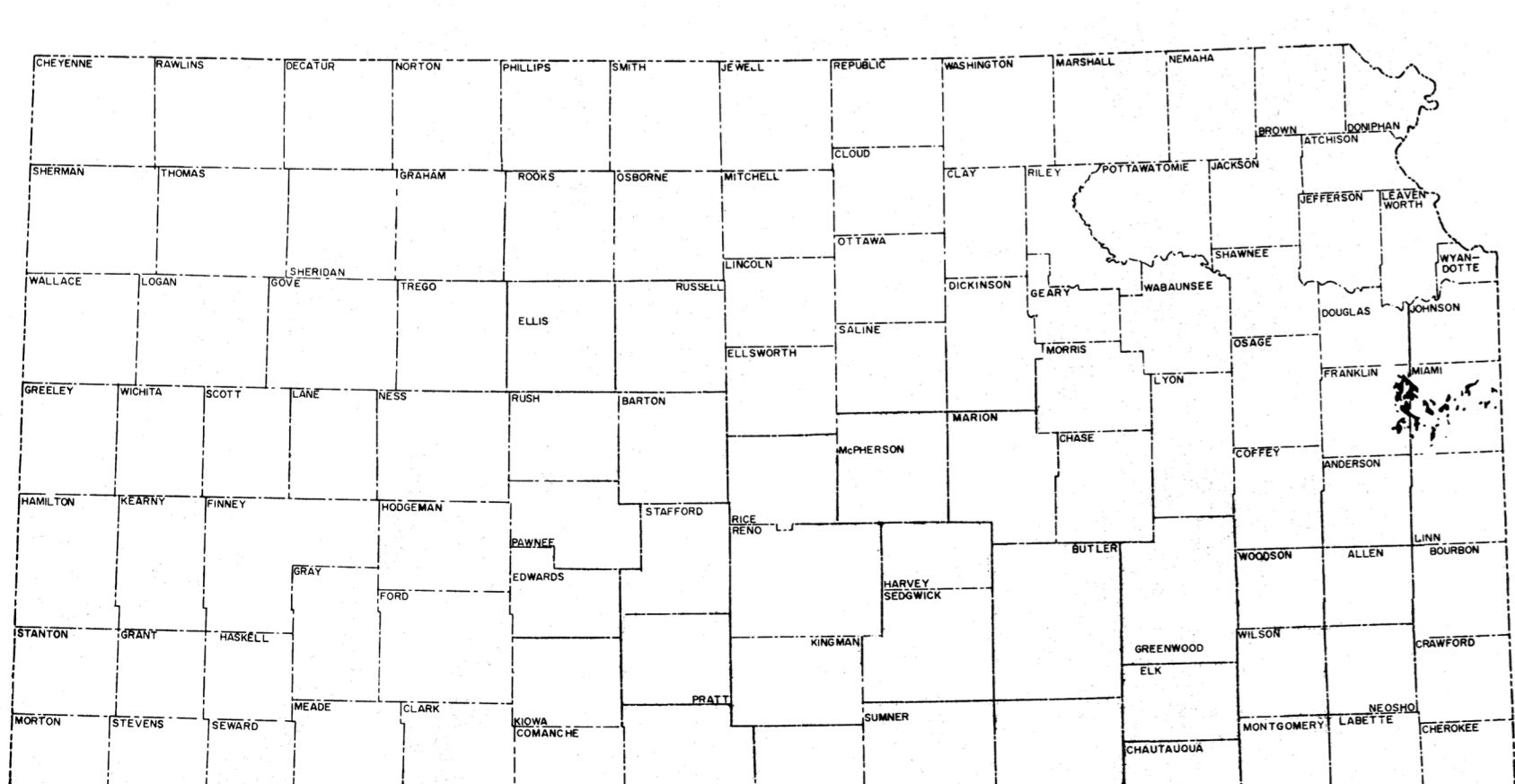
Lansing-Kansas City



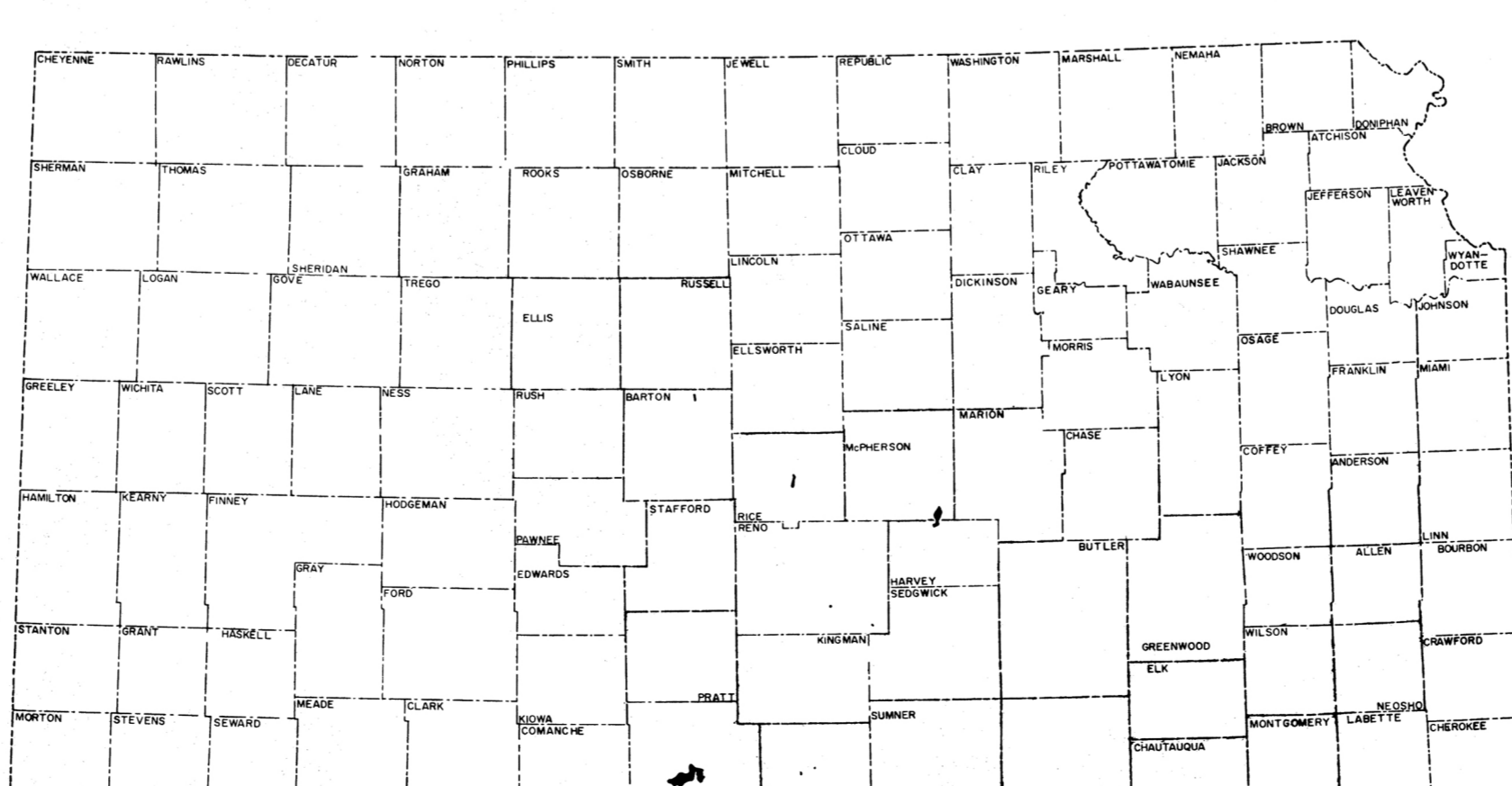
Mississippian



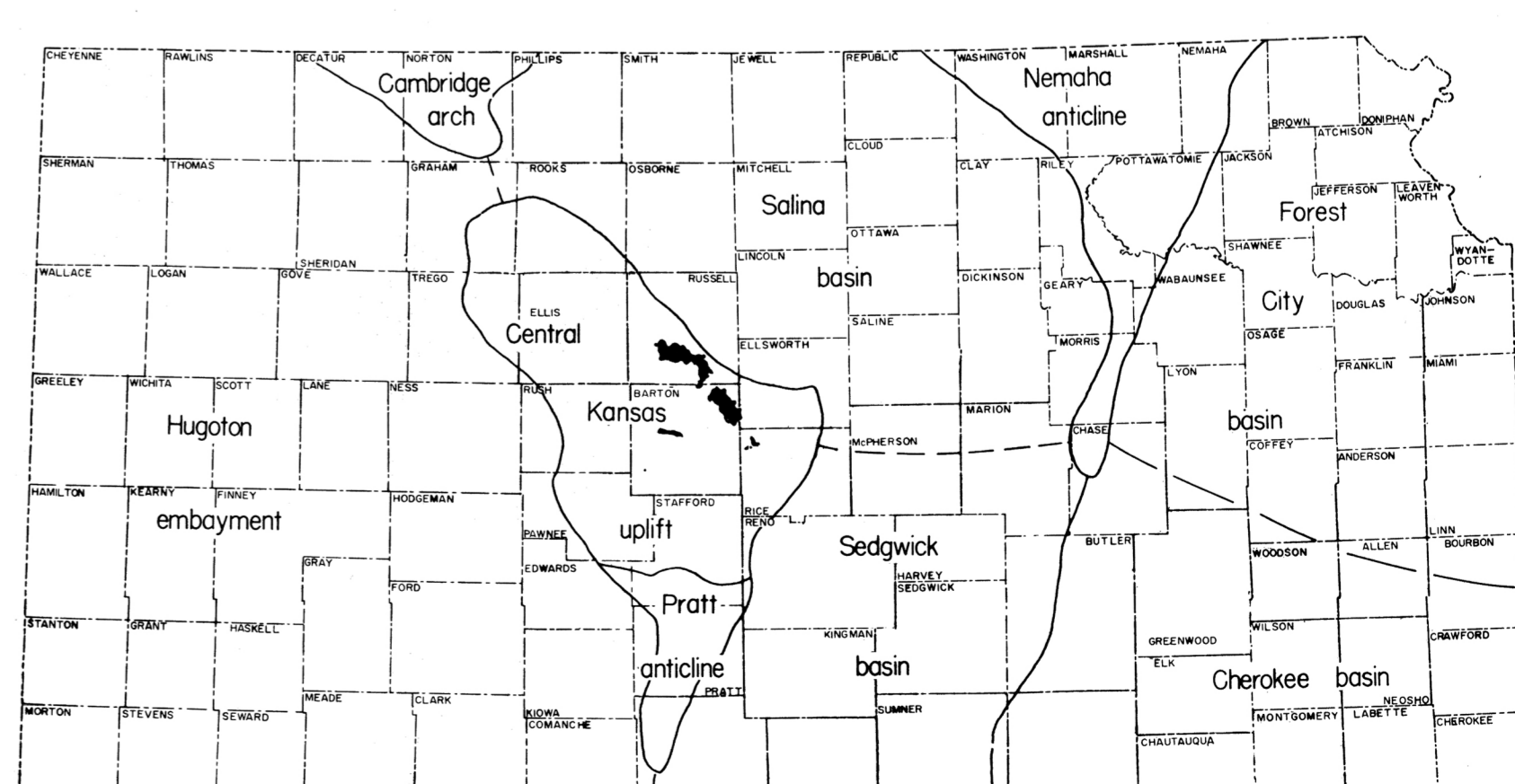
Reagan



Pleasanton



Misener



Precambrian