

Figure 1: Cross-scale unit area comparison between A) counties, lakesheds (IWS) and subbasins (HUC8s), B) zoomed out to show comparison with subregions (HUC4).

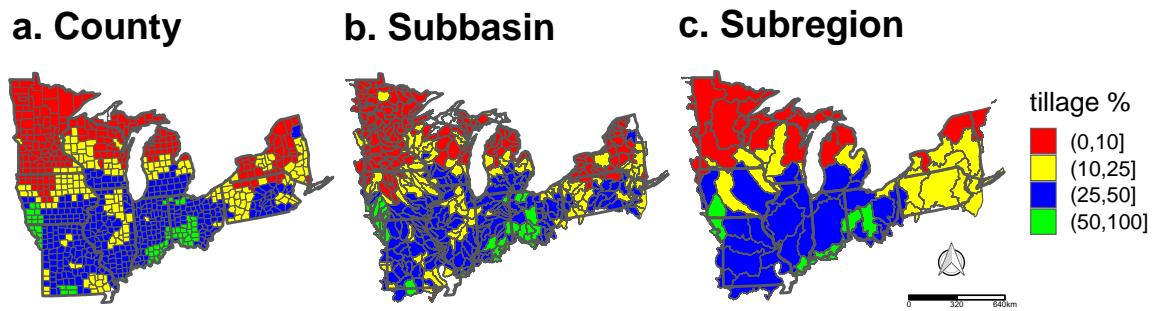


Figure 2: Conservation tillage A) disaggregated to counties, B) at the original subbasin scale, C) aggregated to subregions.

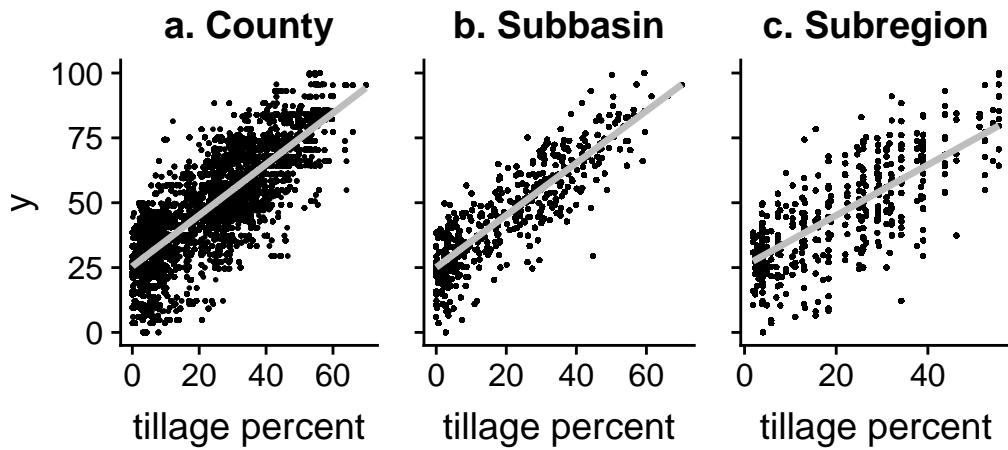


Figure 3: Relationship between y at the subbasin scale and conservation tillage at A) the county scale, B) the subbasin scale, C) the subregion scale. Line shows the results of a best fit linear regression.

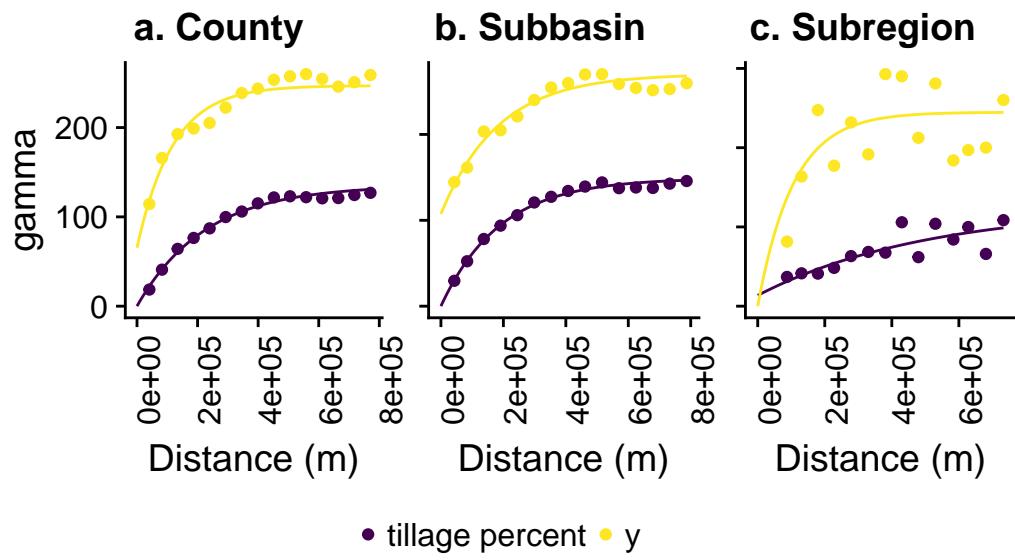


Figure 4: Variograms showing autocorrelation in conservation tillage (dark symbols) and  $y$  (light symbols) at the A) county, B) subbasin, C) subregion scales. Fitted variogram model lines are also shown.