

Figure 1: Number of lake watersheds per county where lakes are limited to those with high agricultural land-use cover (greater than 40 percent) and water quality data in LAGOS from at least 3 sampling events between 2000 and 2010.

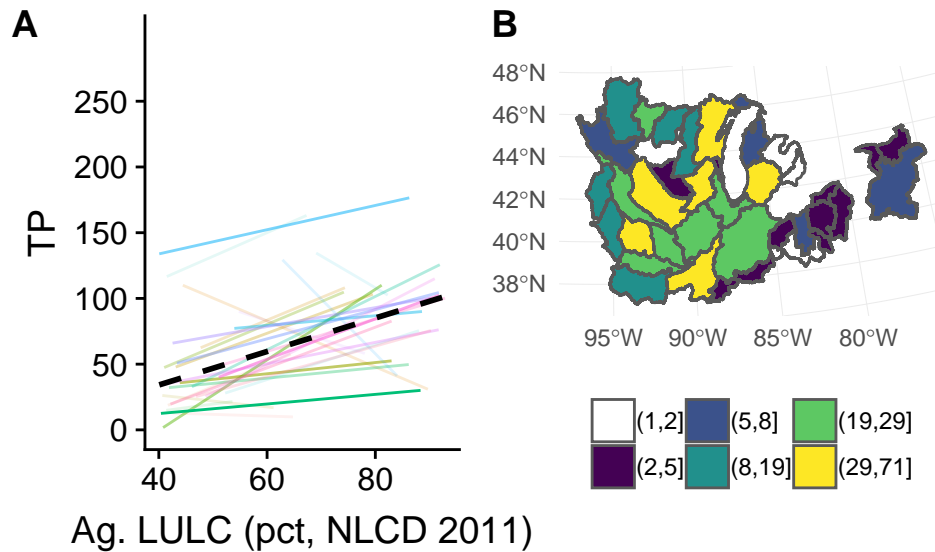


Figure 2: A) Global (dashed line) and regional (solid lines) fits to the relationship between lake phosphorus and IWS Ag. land use cover from the 2011 NLCD. A hierarchical model would weight these relationships by sample size (darker lines = higher sample size). B) Number of lakes per region.

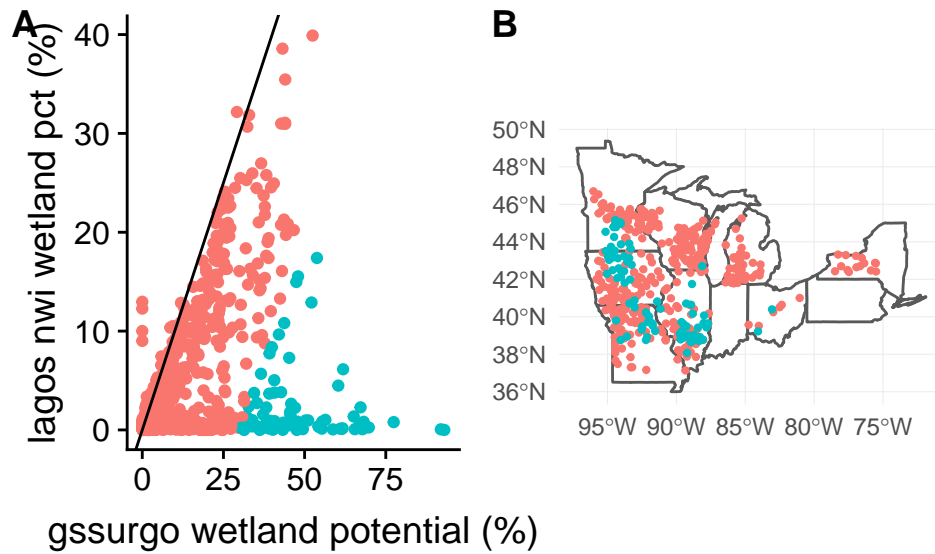


Figure 3: A) gSSURGO wetland potential versus National Wetlands Inventory cover. B) Locations of lakes where these number differ by more than 30 percent.

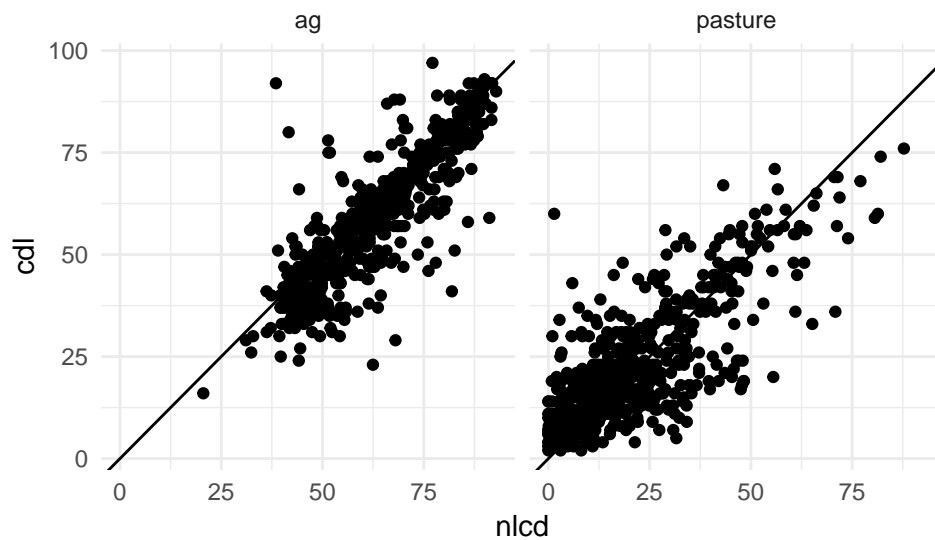
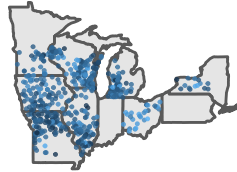
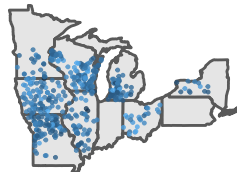


Figure 4: Comparison between NLCD (2011) derived and CDL (2010) derived total watershed ag and watershed pasture cover.

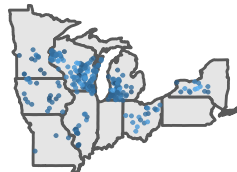
hog operations



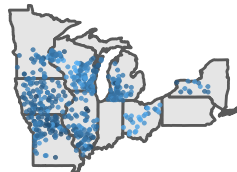
cattle operations



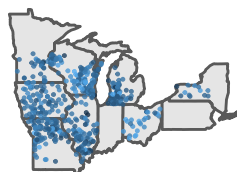
dairy operations



chicken operations



cattle head



CAFOS

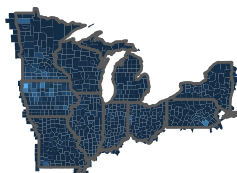


Figure 5: Livestock data from the 2007 USDA Census of Agriculture.

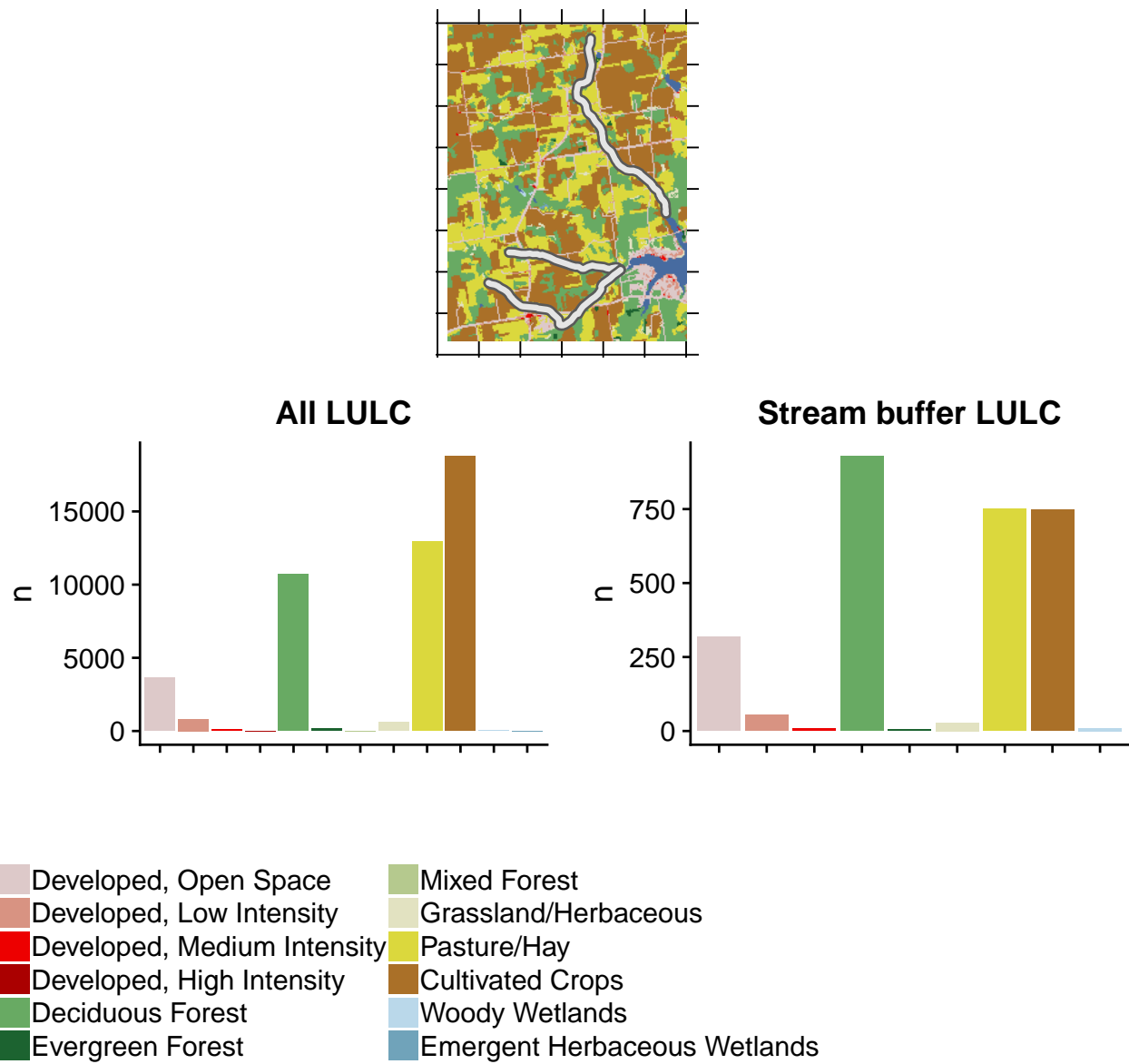


Figure 6: Landuse cover in stream buffers.