

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.

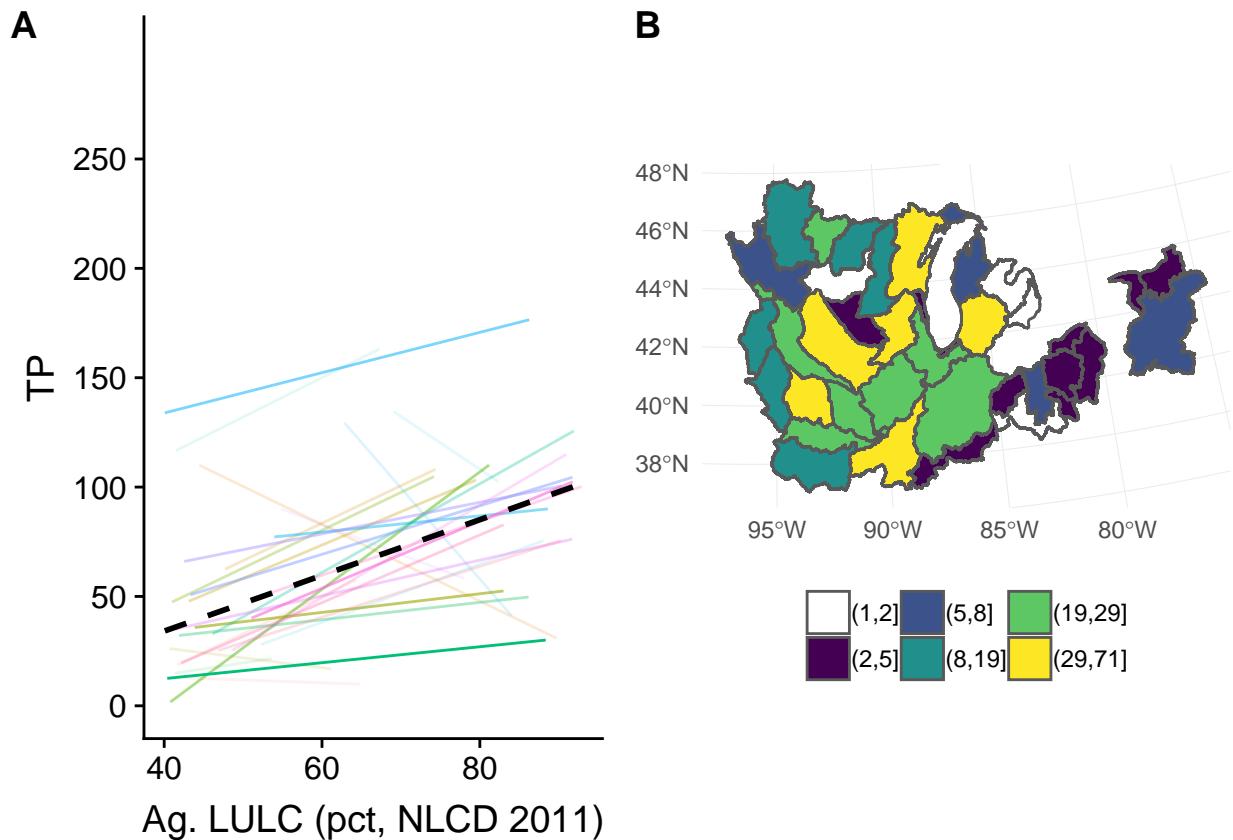


Figure 2: A) Global (dashed line) and regional (solid lines) fits to the relationship between lake phosphorus and IWS Ag. land use cover from the 2011 NLCD. A hierarchical model would weight these relationships by sample size (darker lines = higher sample size). B) Number of lakes per region.

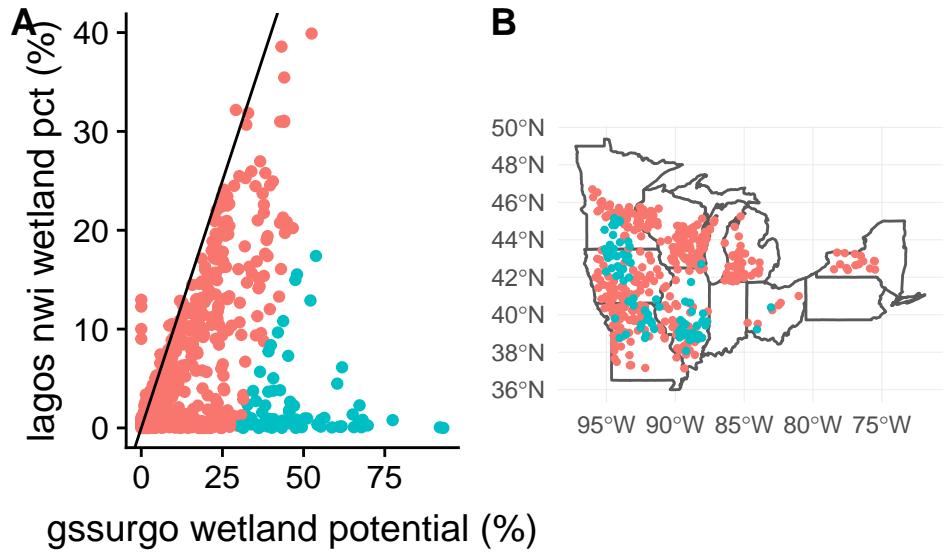


Figure 3: A) gSSURGO wetland potential versus National Wetlands Inventory cover. B) Locations of lakes where these number differ by more than 30 percent.

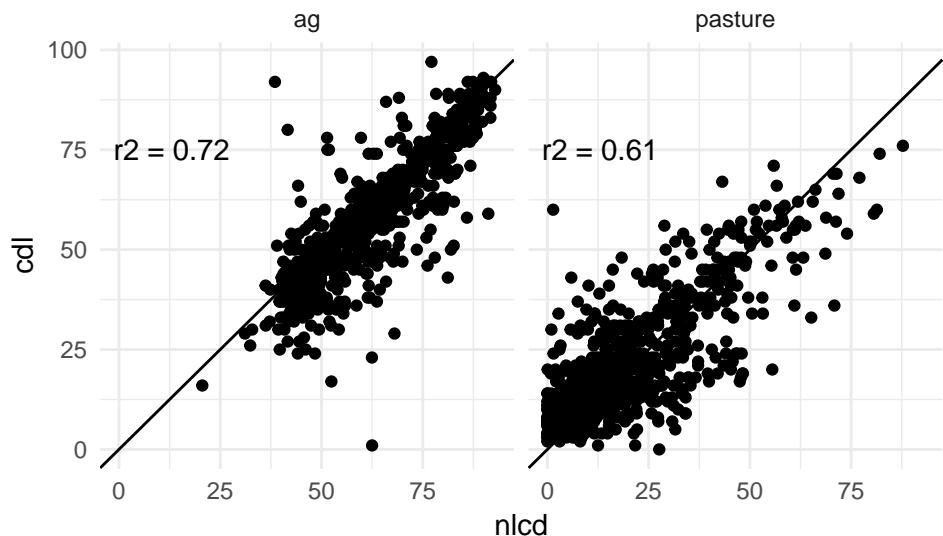
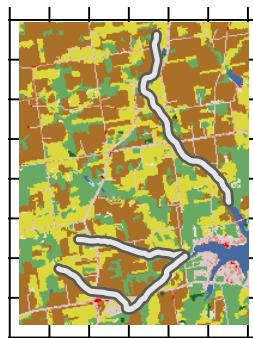
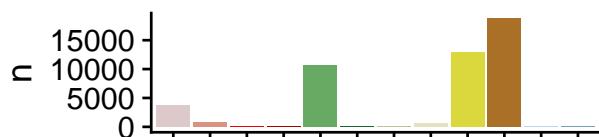


Figure 4: Comparison between NLCD (2011) derived and CDL (2010) derived total watershed ag and watershed pasture cover. Line is 1:1 not regression.

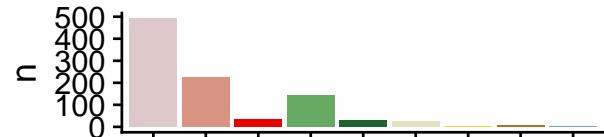
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Viewport LULC



Lake buffer LULC



Stream buffer LULC

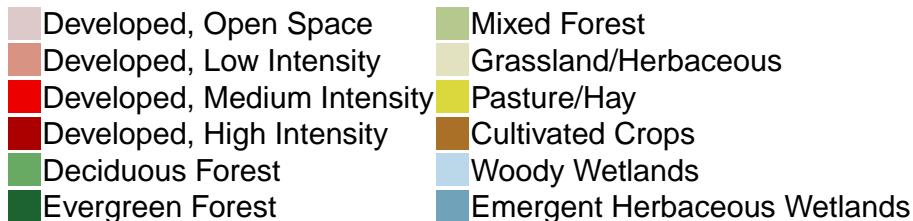
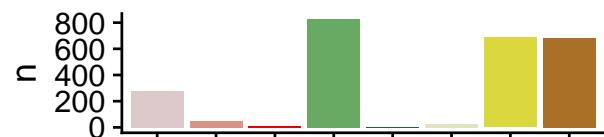


Figure 5: Landuse cover in stream buffers.

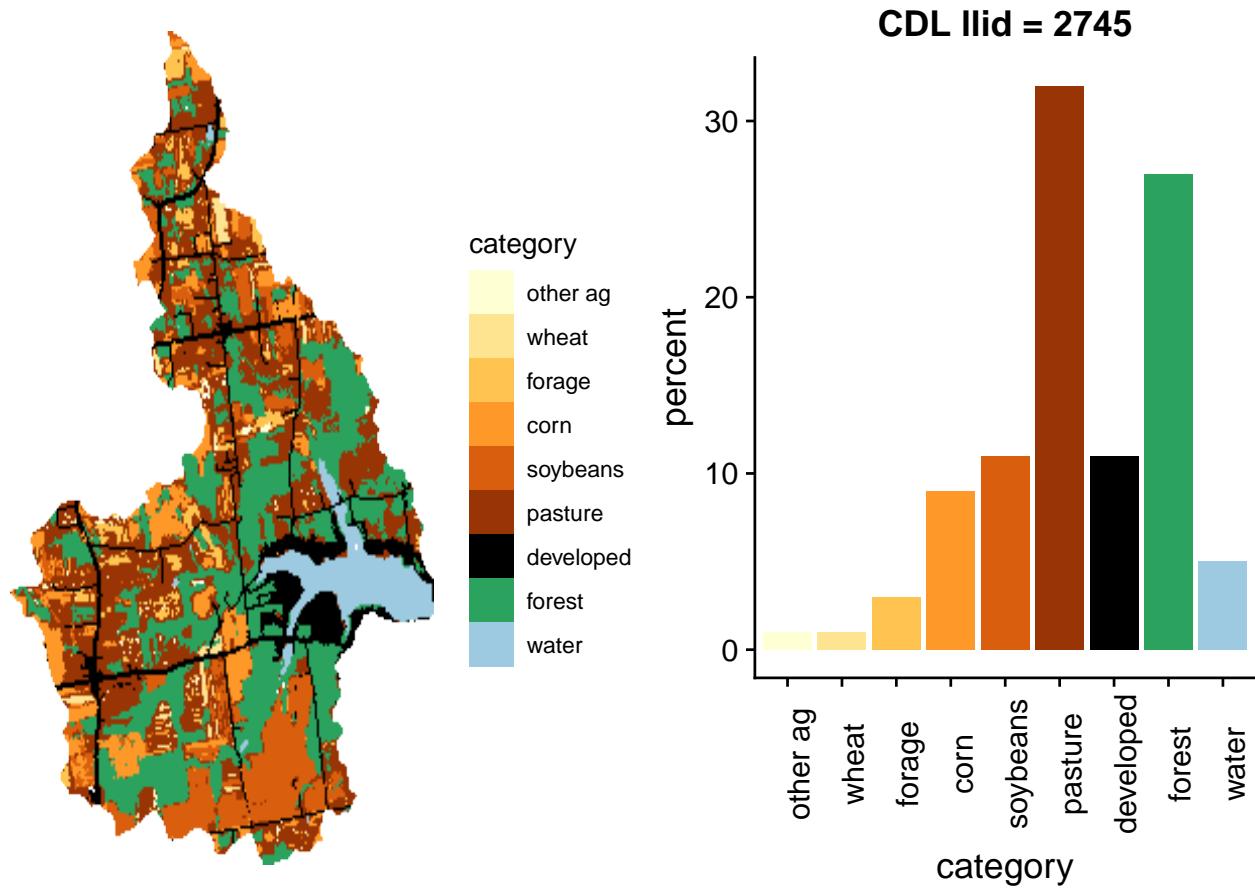


Figure 6: CDL landuse cover in example IWS.

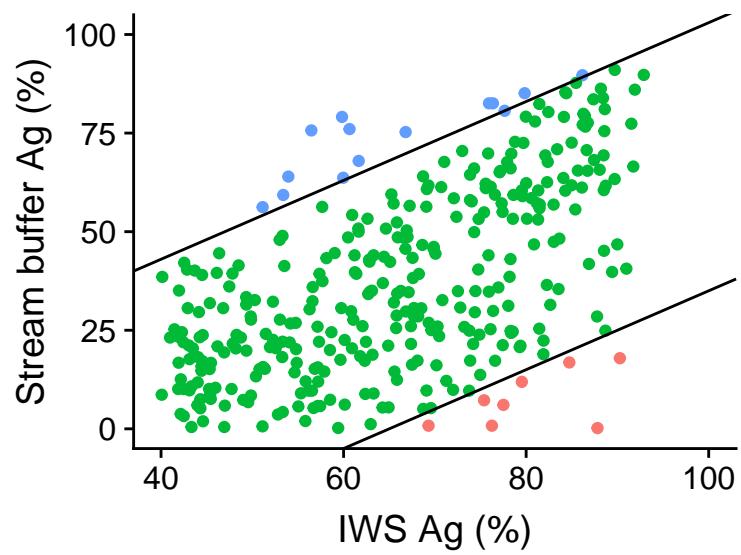


Figure 7: Stream buffer versus IWS lulc.



Figure 8: Stream buffer Ag >> IWS

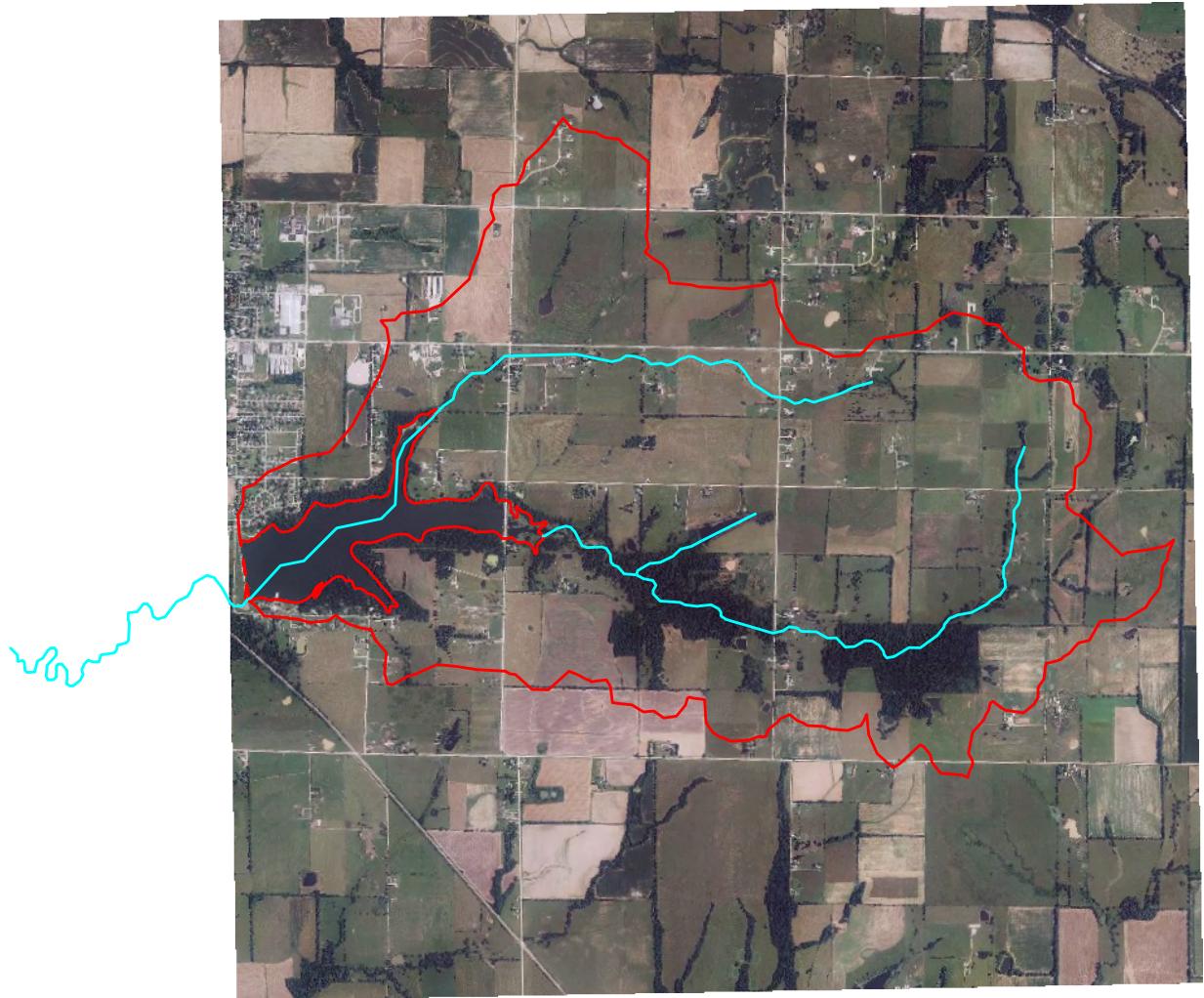


Figure 9: Stream buffer Ag << IWS

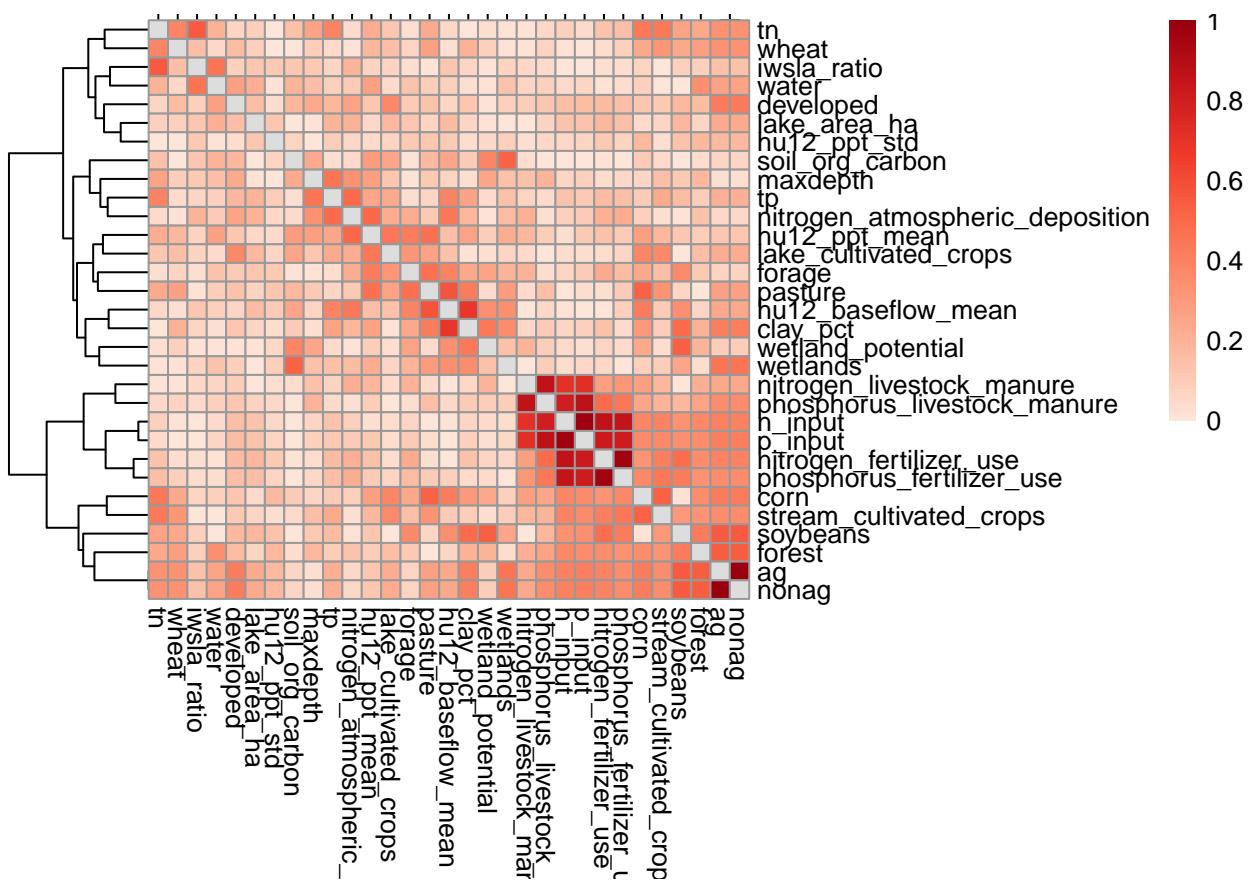


Figure 10: Exploratory heatmap showing absolute value correlations.

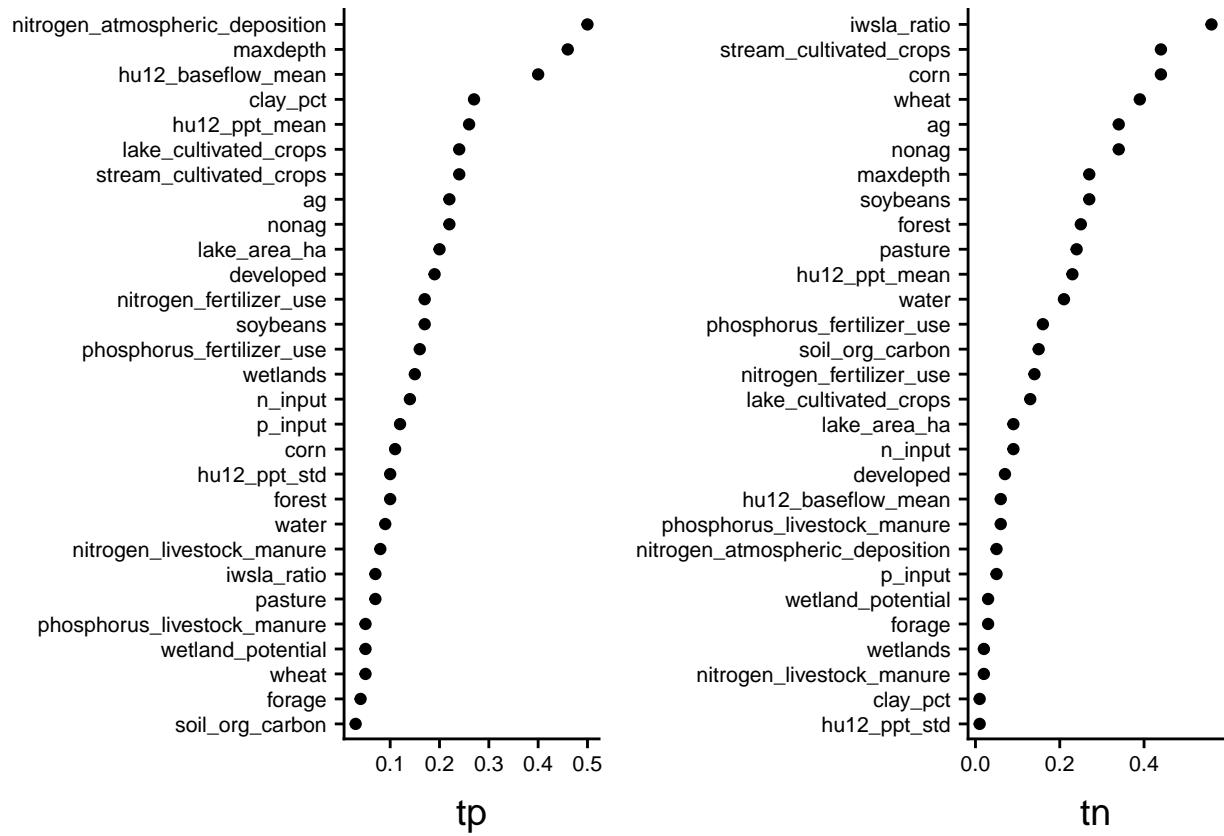


Figure 11: Exploratory dotplots showing absolute value correlations.