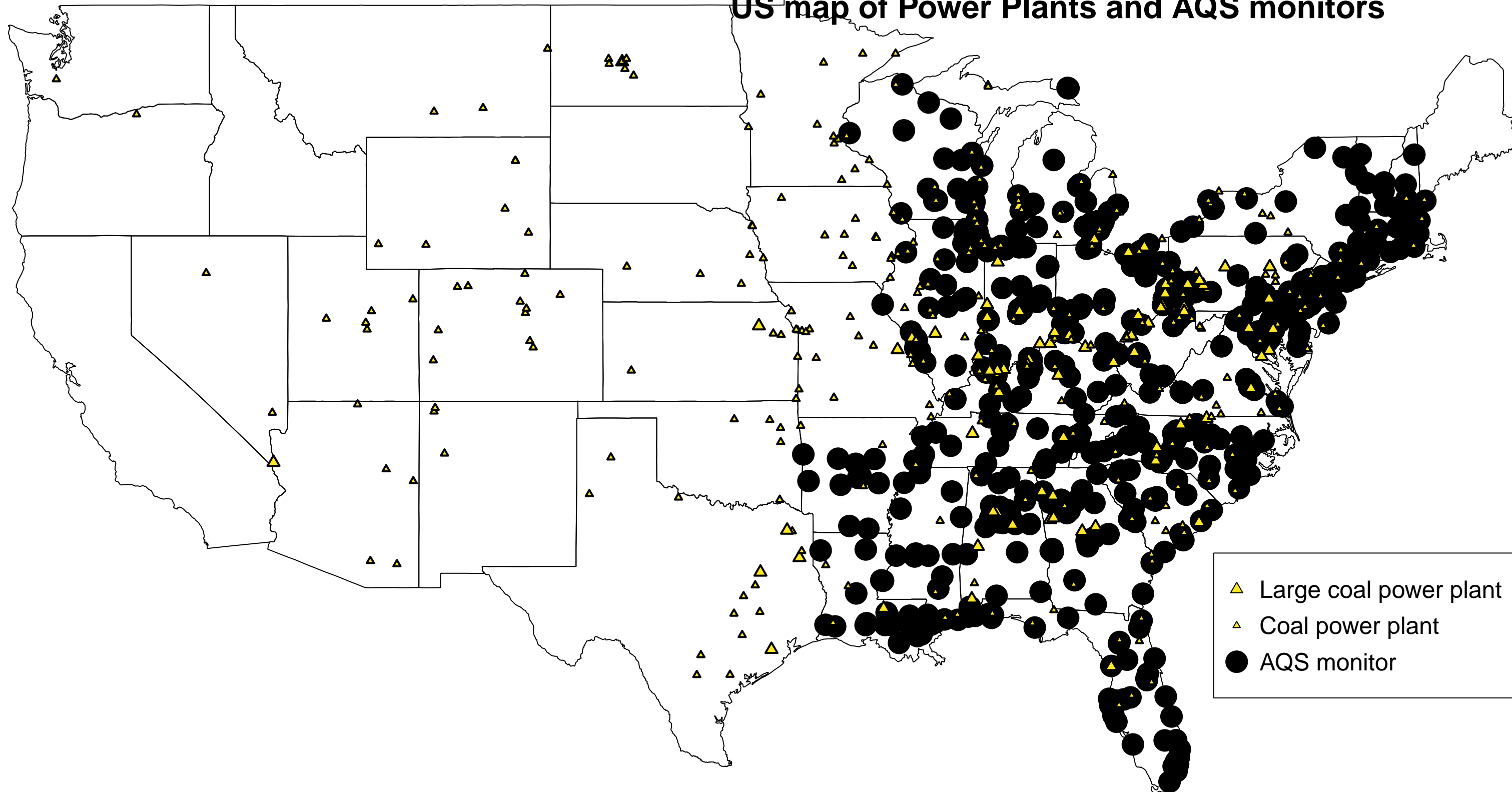
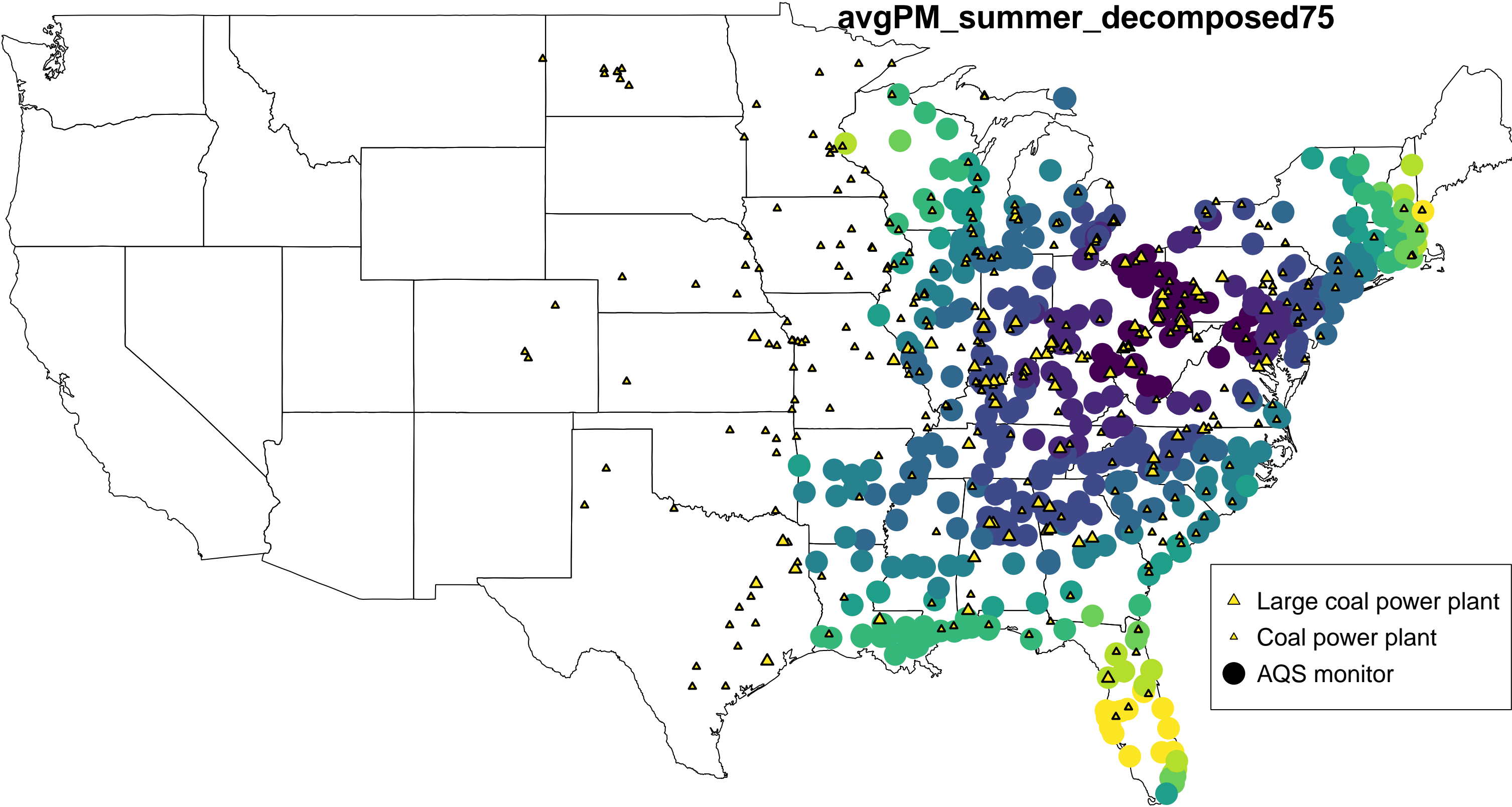


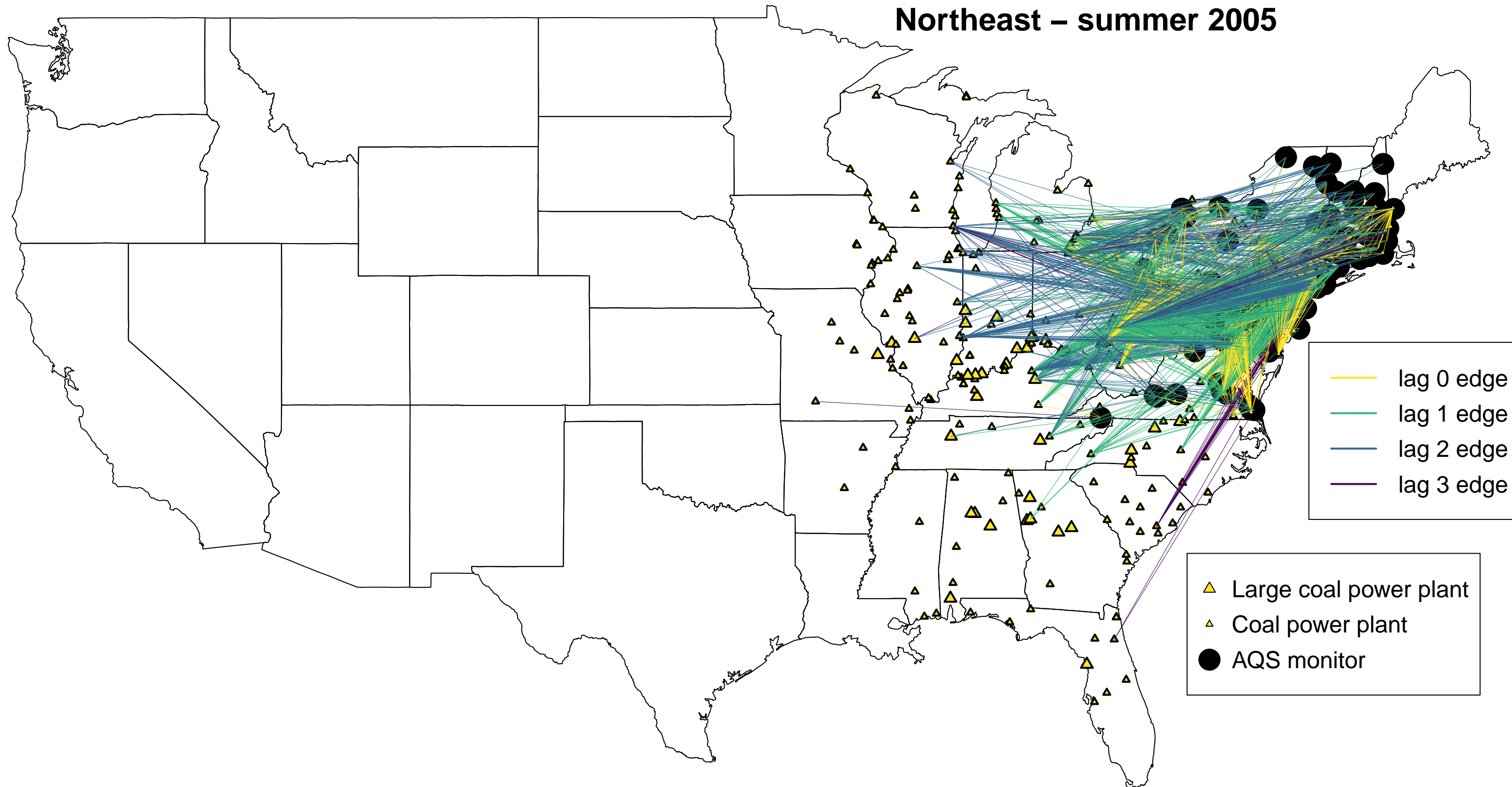
US map of Power Plants and AQS monitors



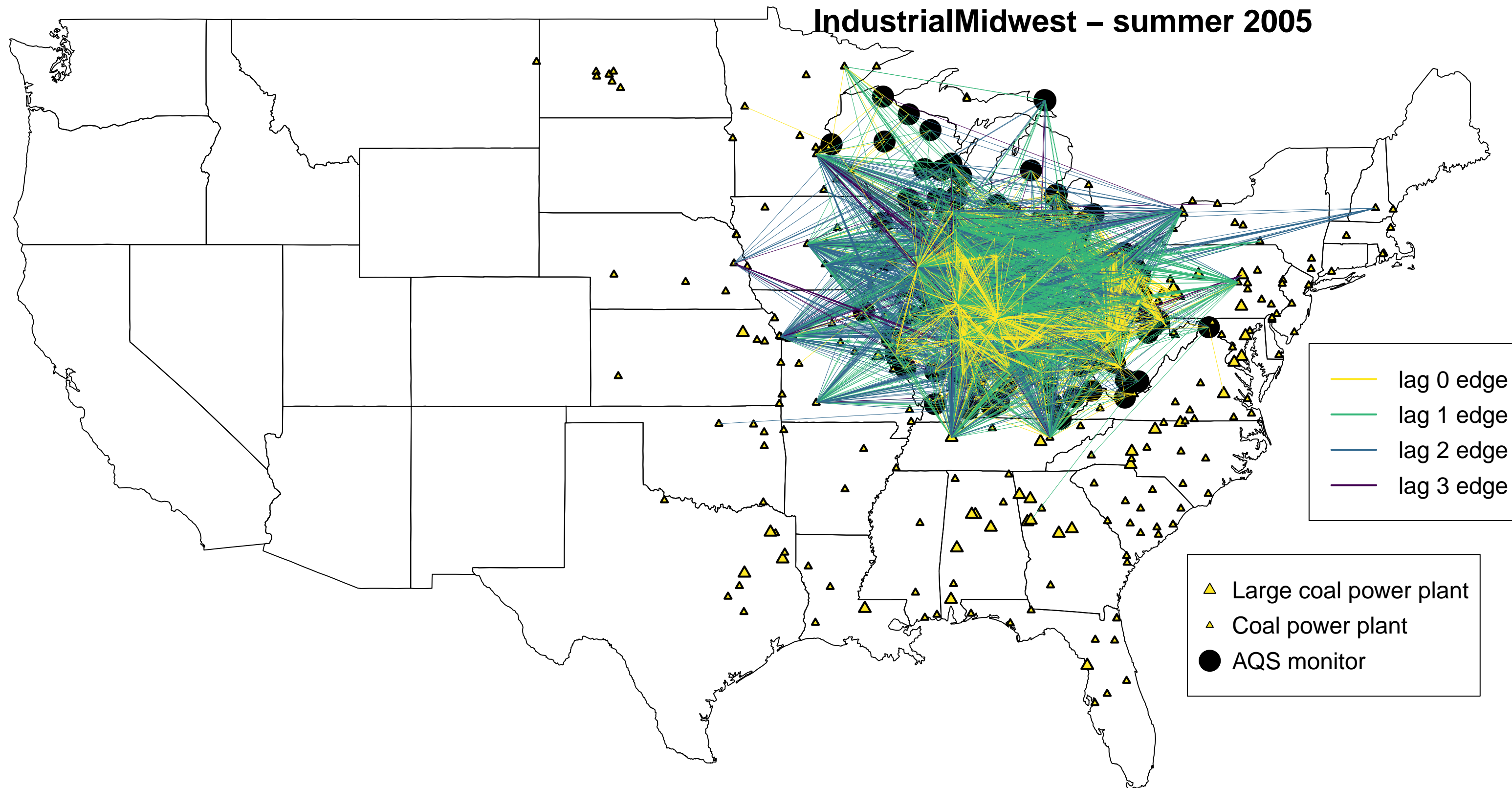
avgPM\_summer\_decomposed75



## Northeast – summer 2005

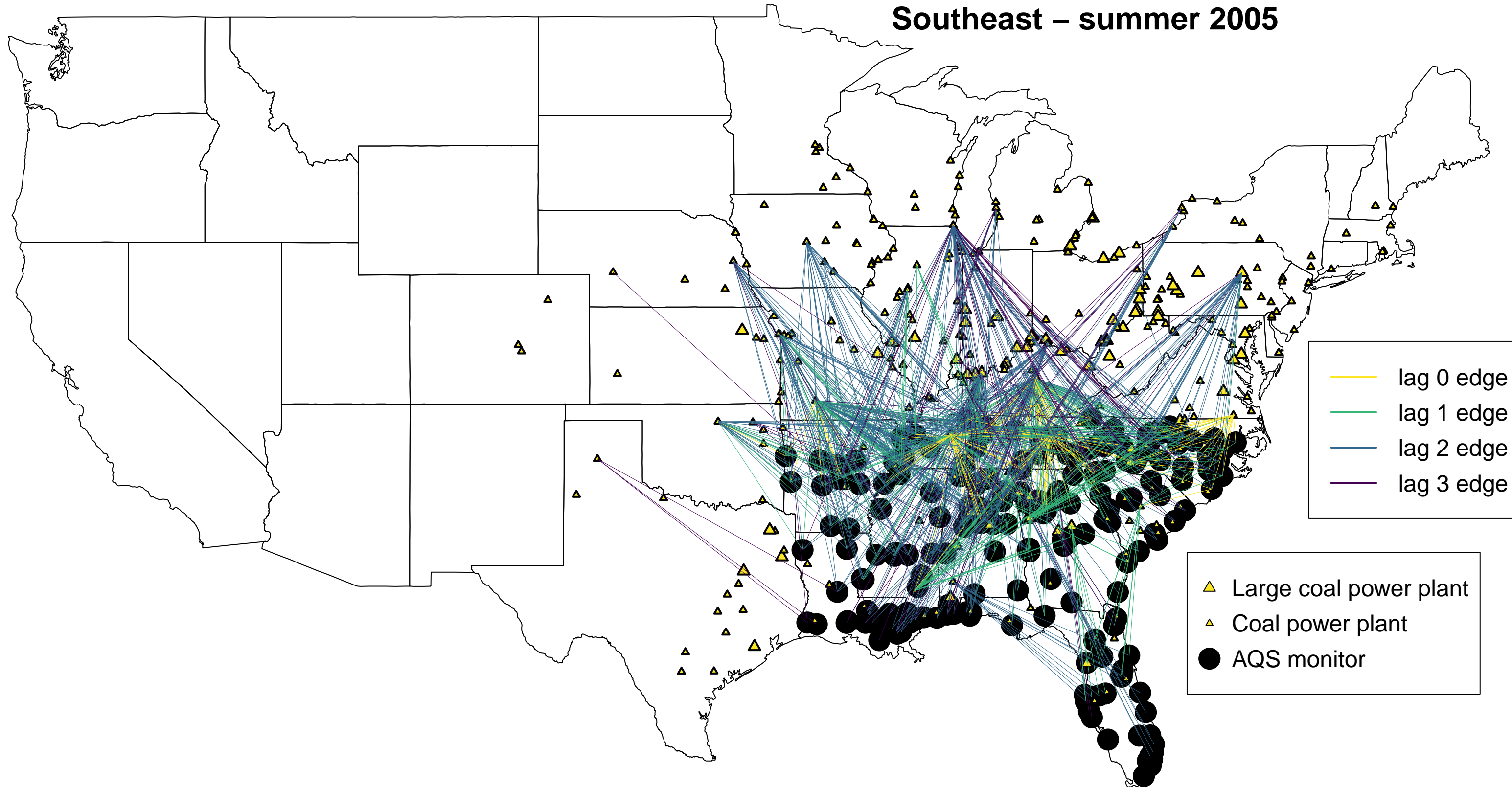


# IndustrialMidwest – summer 2005





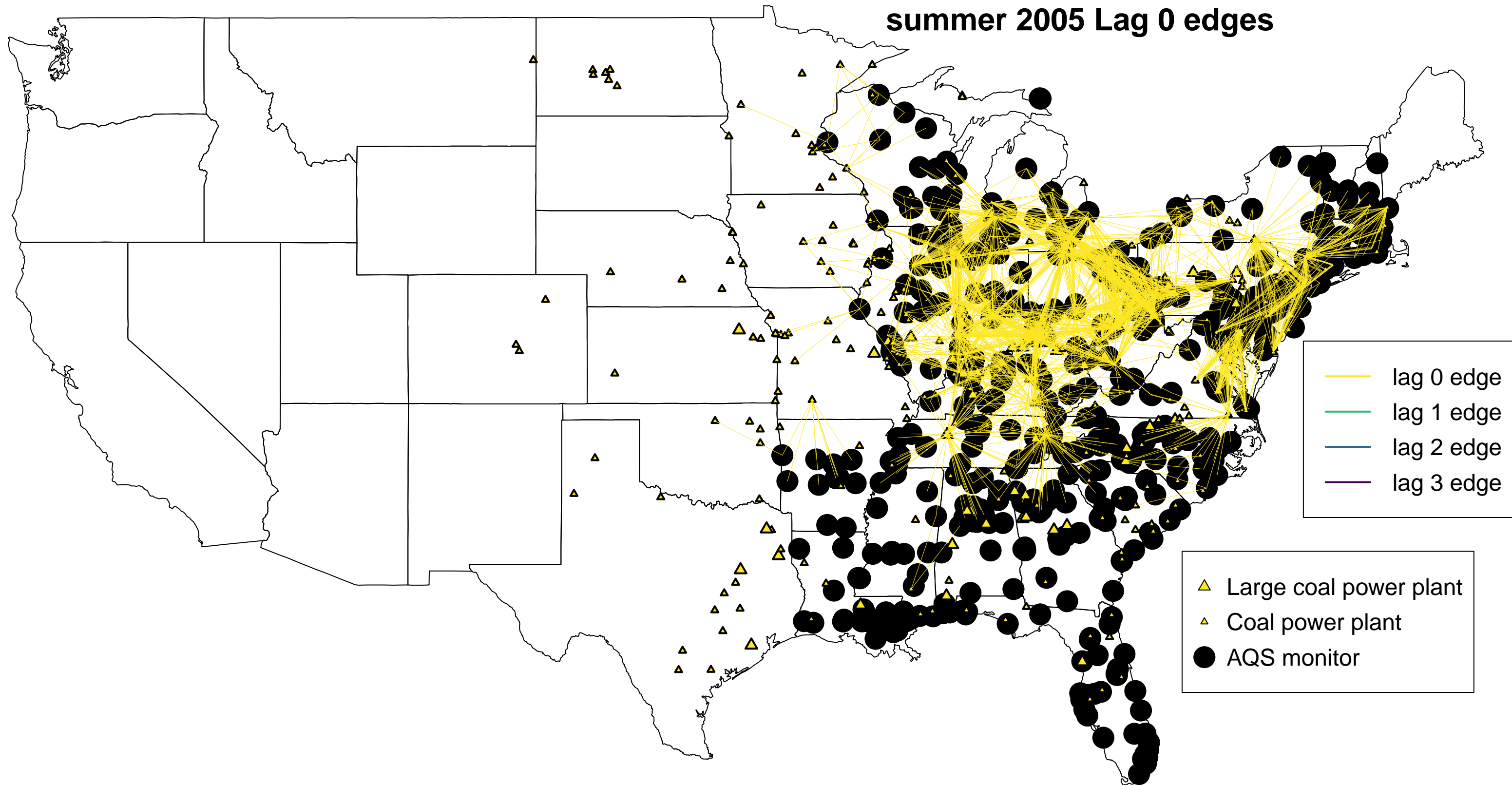
## Southeast – summer 2005



summer 2005 Lag 0 edges

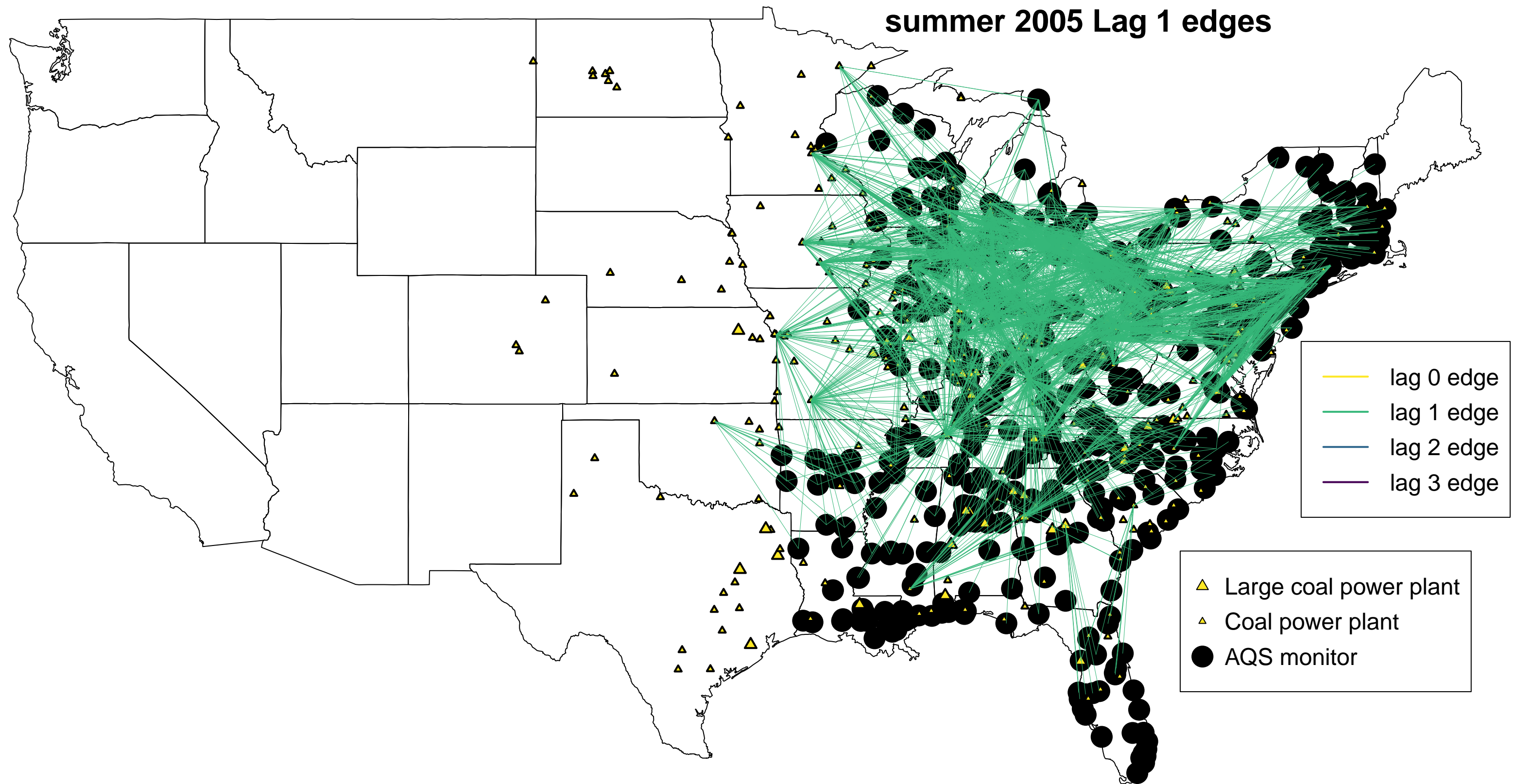
lag 0 edge  
lag 1 edge  
lag 2 edge  
lag 3 edge

Large coal power plant  
Coal power plant  
AQS monitor

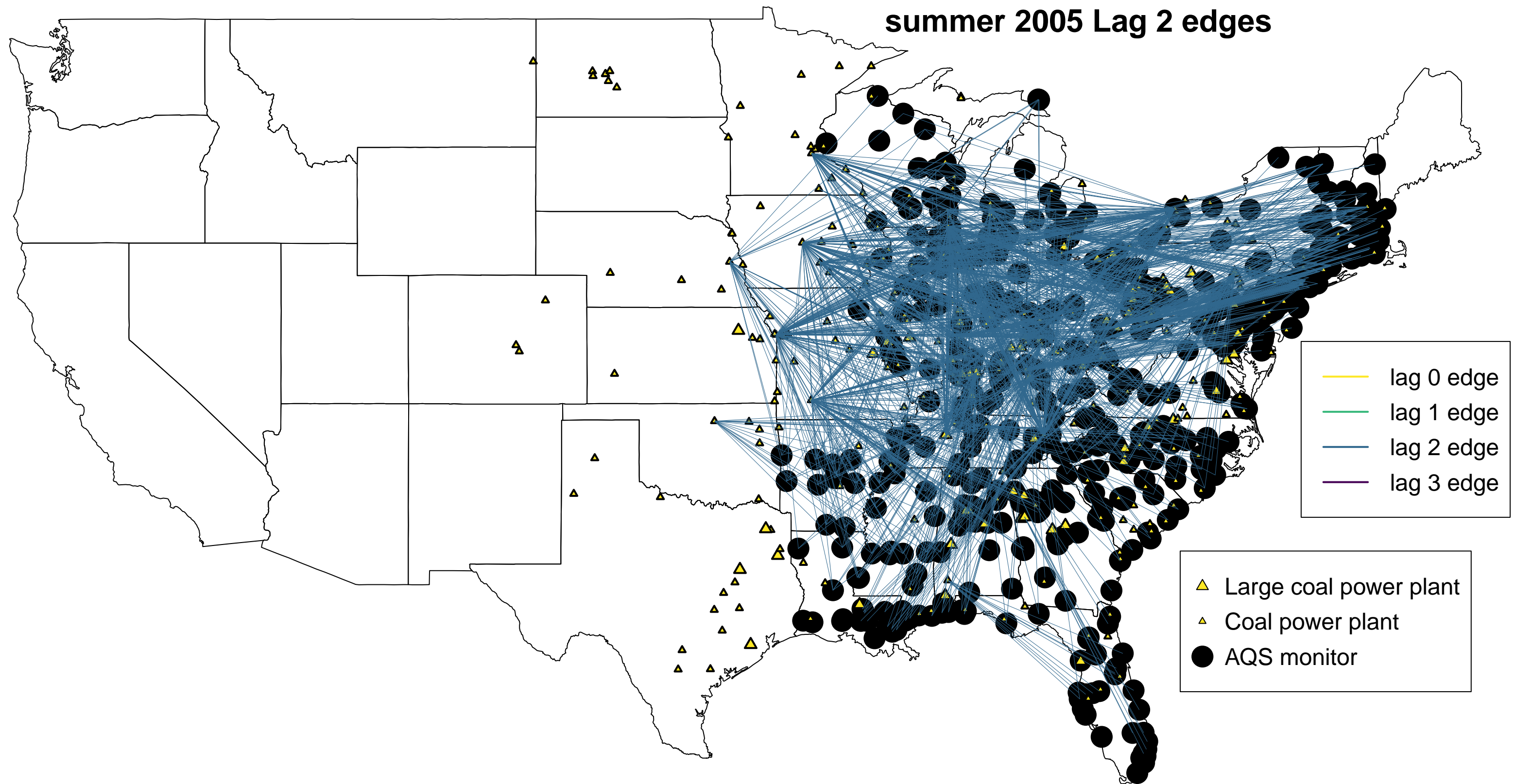




summer 2005 Lag 1 edges

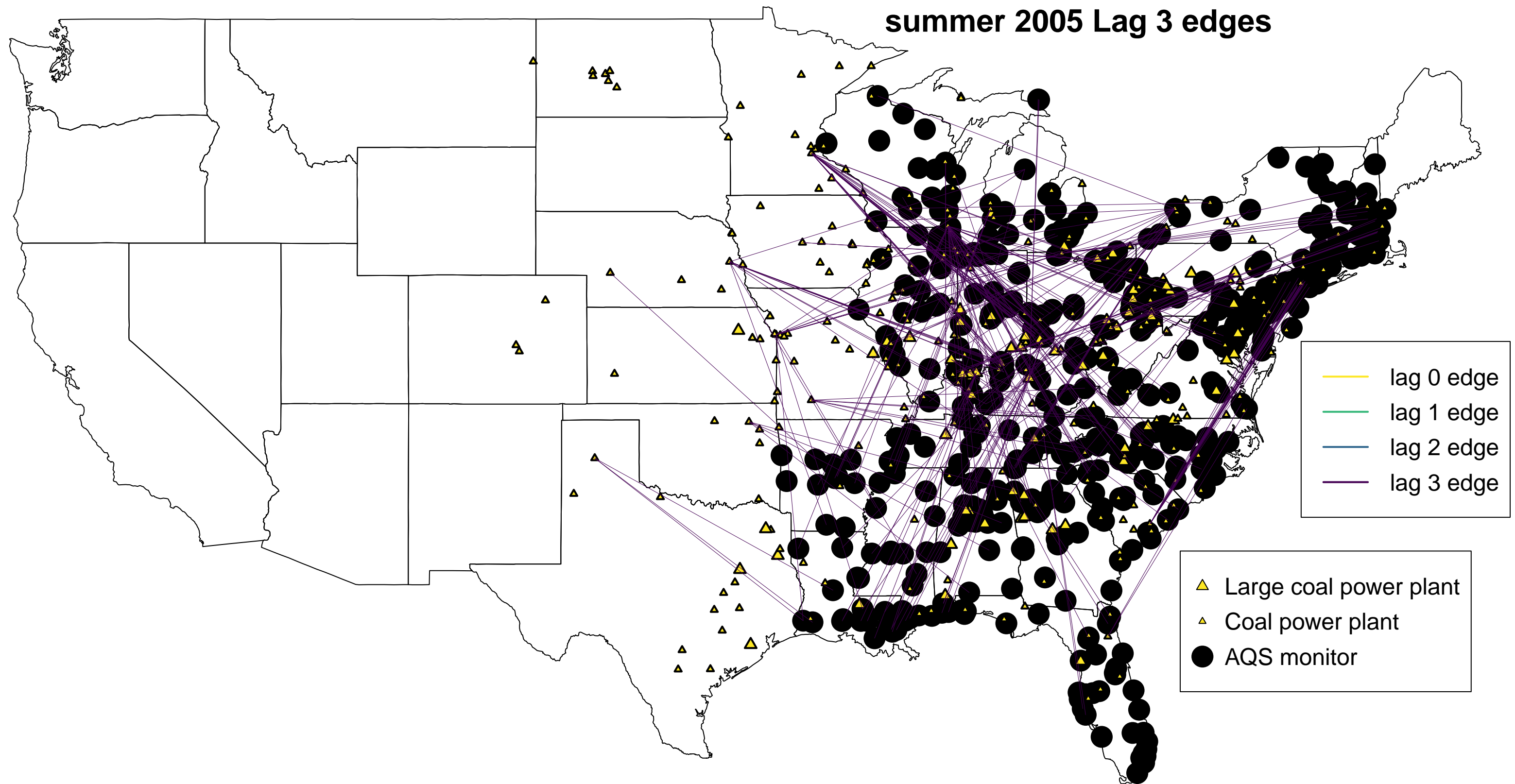


summer 2005 Lag 2 edges

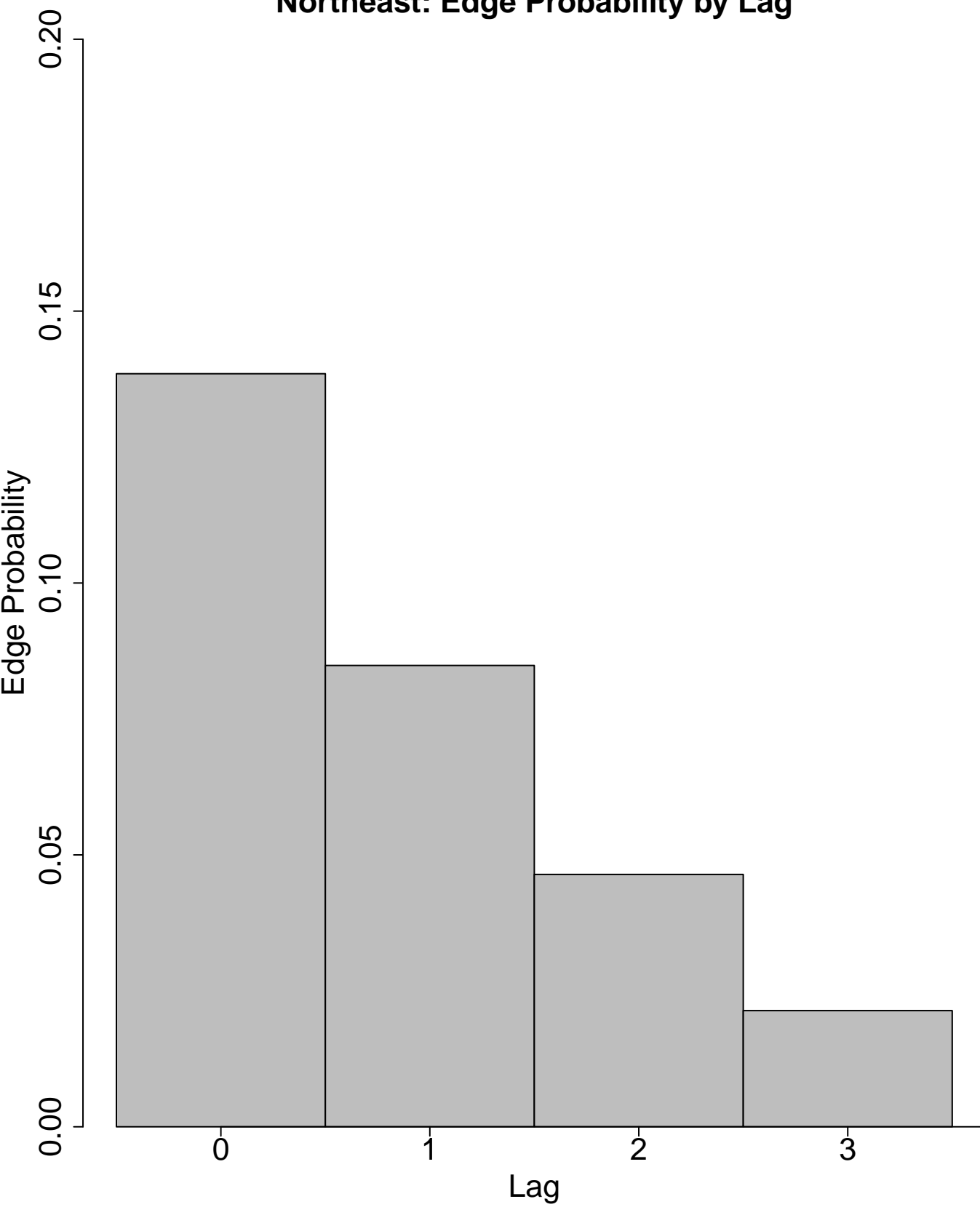




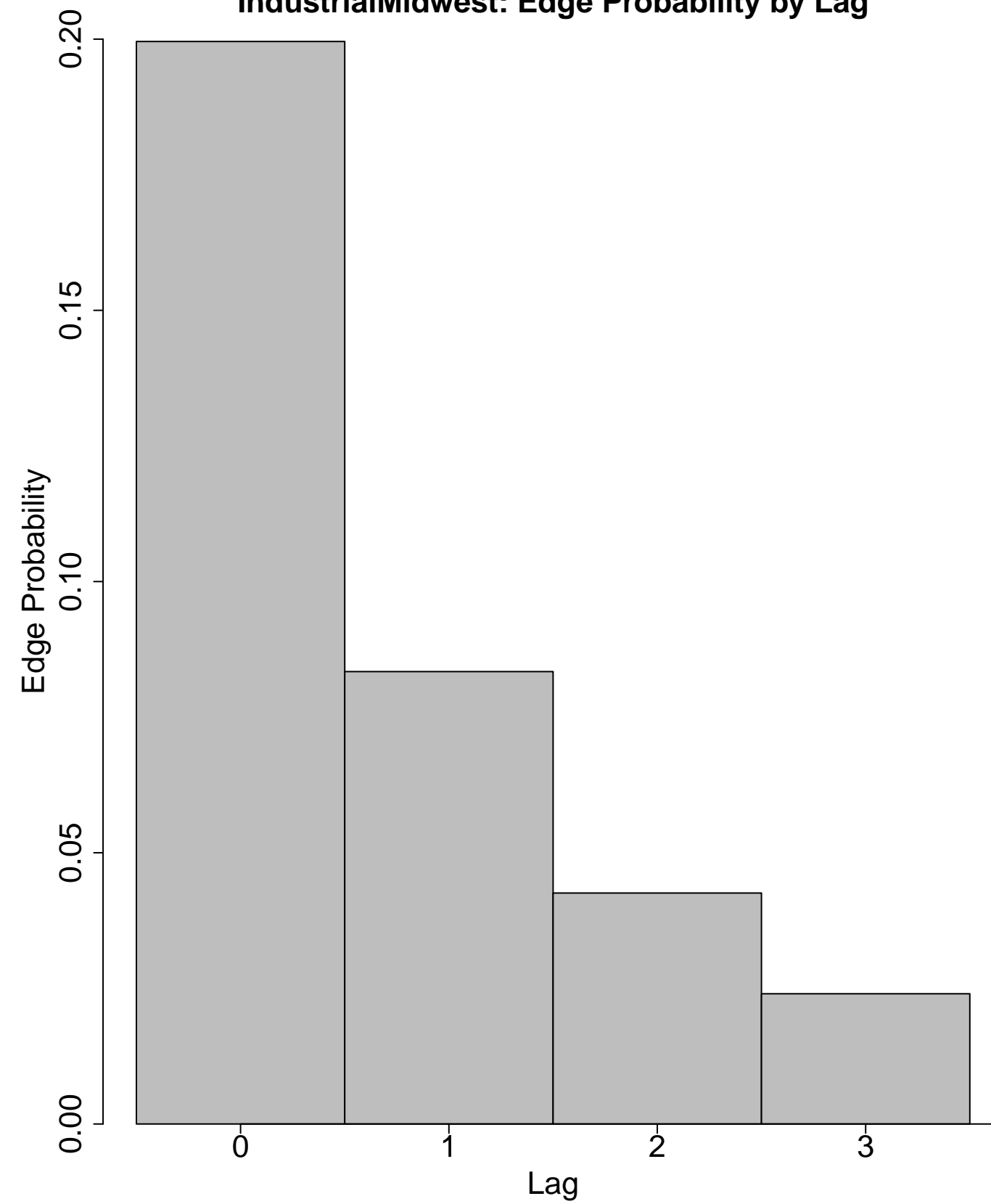
summer 2005 Lag 3 edges



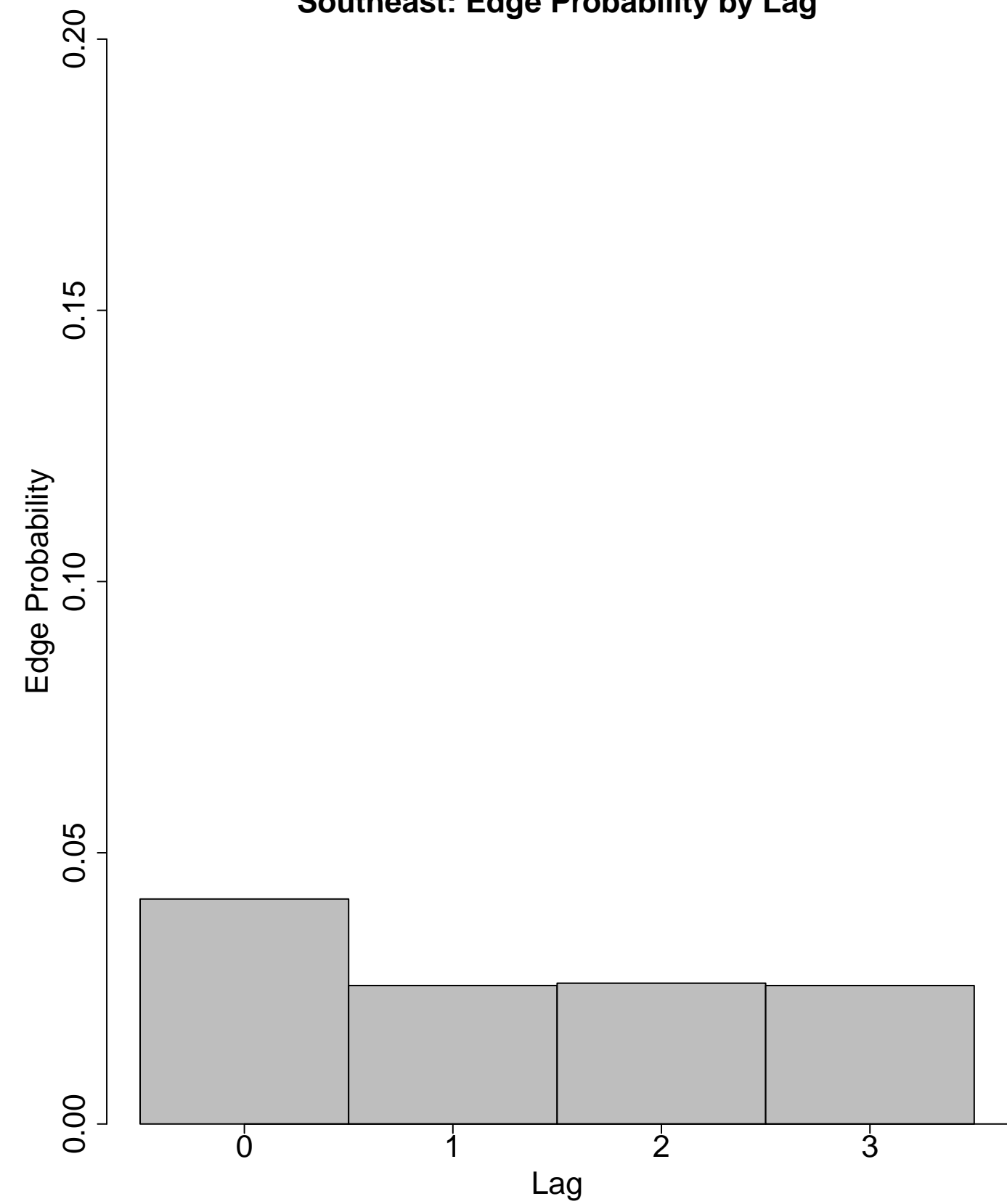
Northeast: Edge Probability by Lag



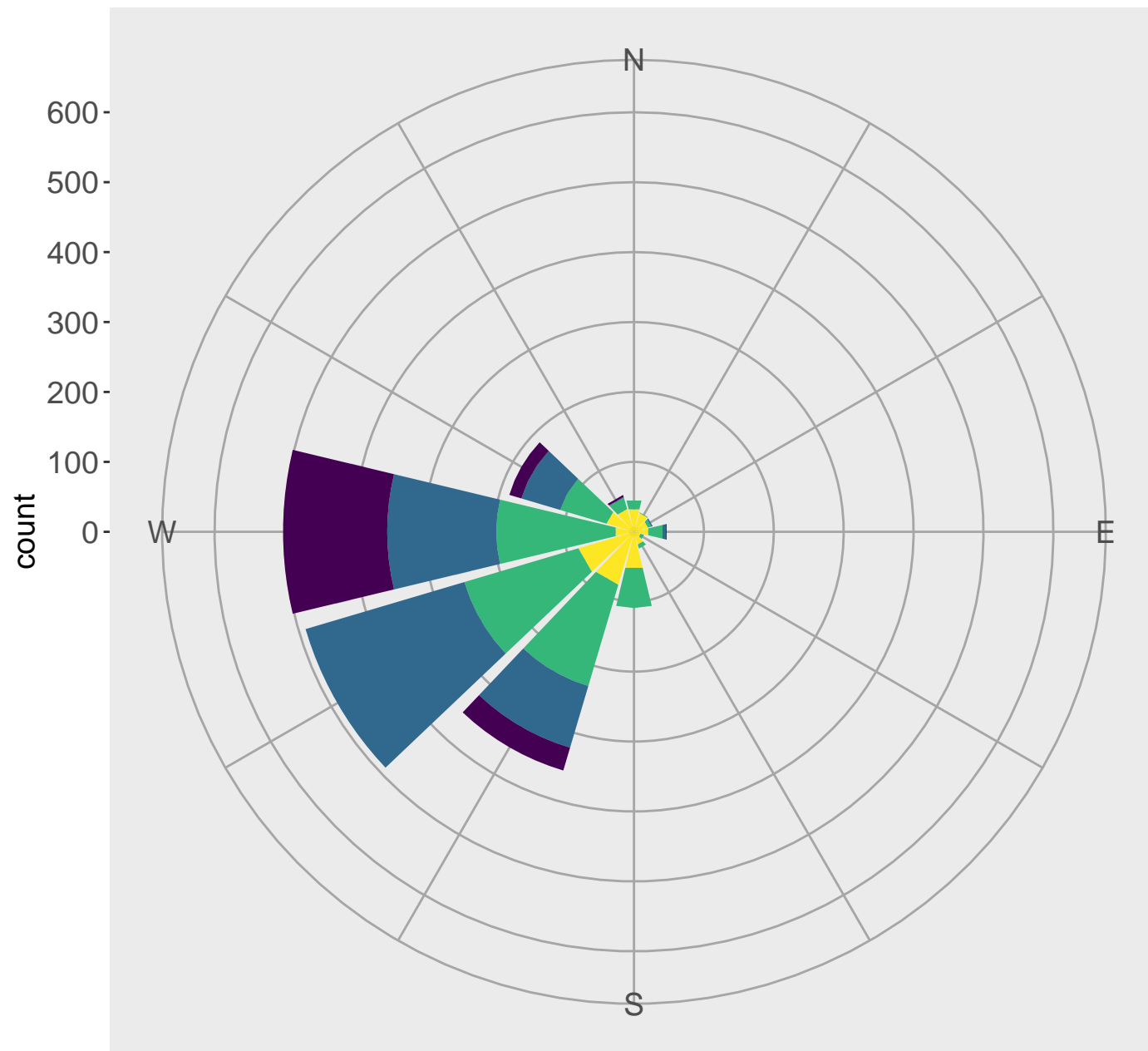
IndustrialMidwest: Edge Probability by Lag



Southeast: Edge Probability by Lag

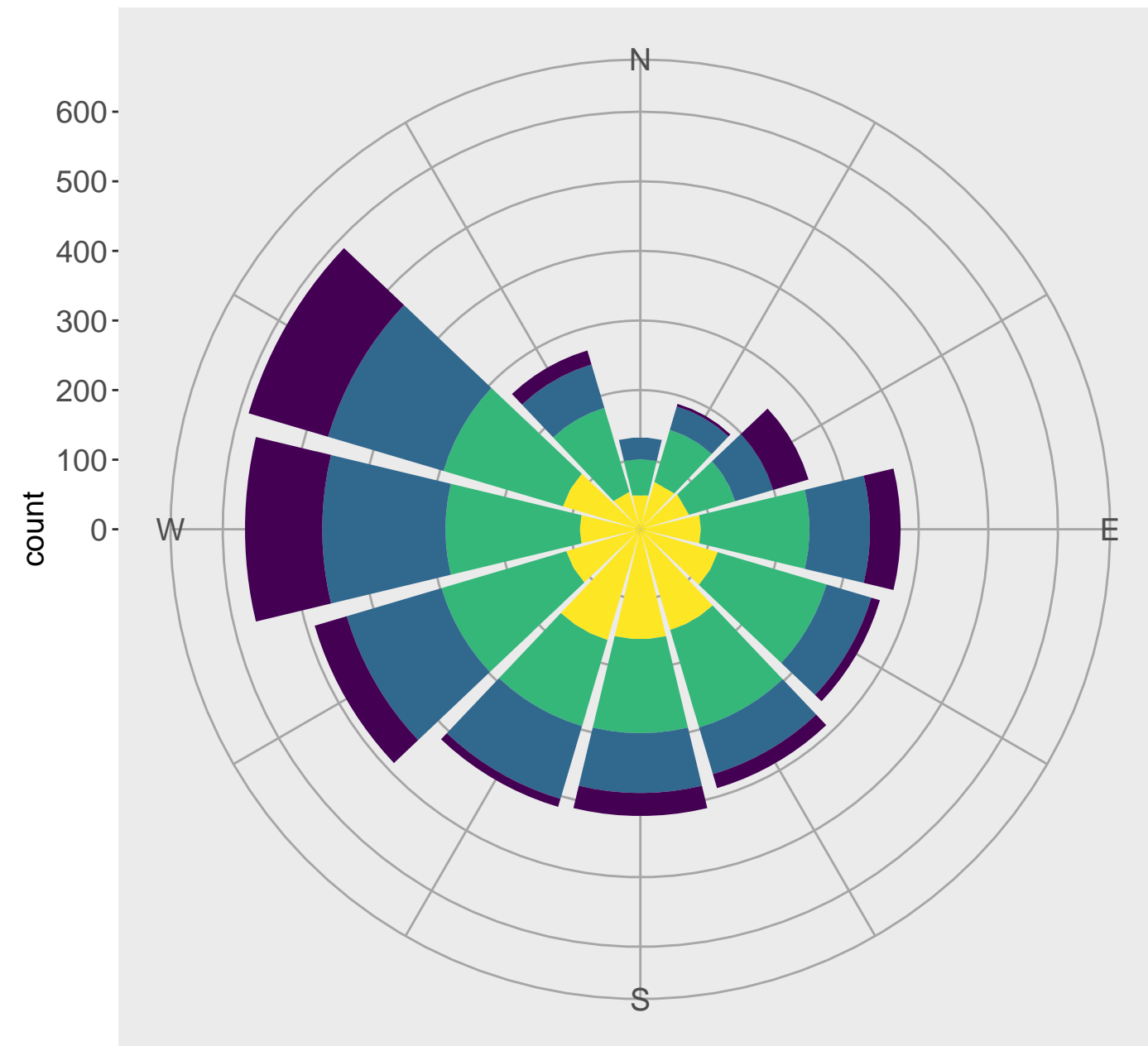


Edge counts by distance/direction to source  
Northeast receptors



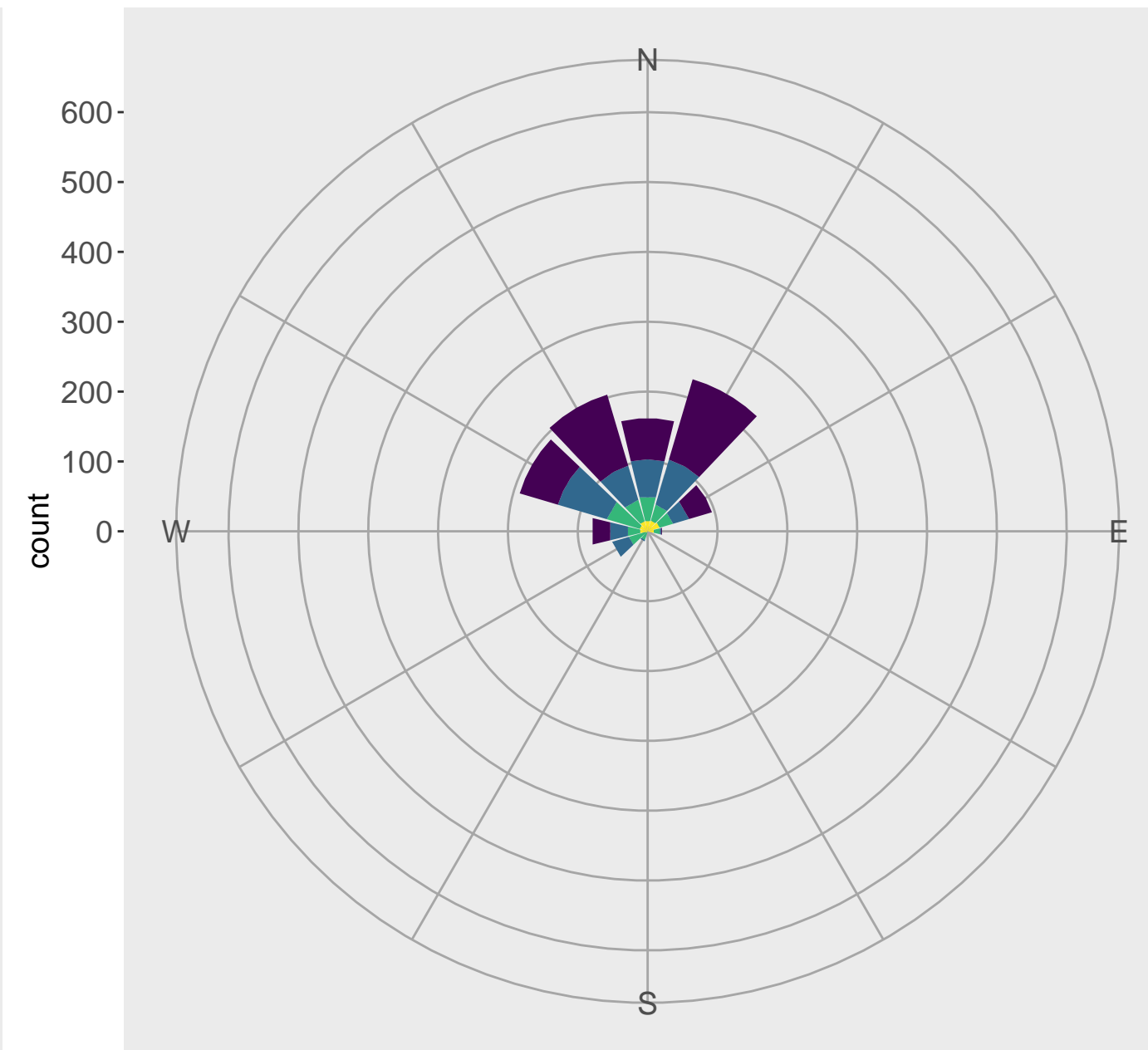
Distance to Source (km) 750-1000 500-750 250-500 0-250

Edge counts by distance/direction to source  
IndustrialMidwest receptors



Distance to Source (km) 750-1000 500-750 250-500 0-250

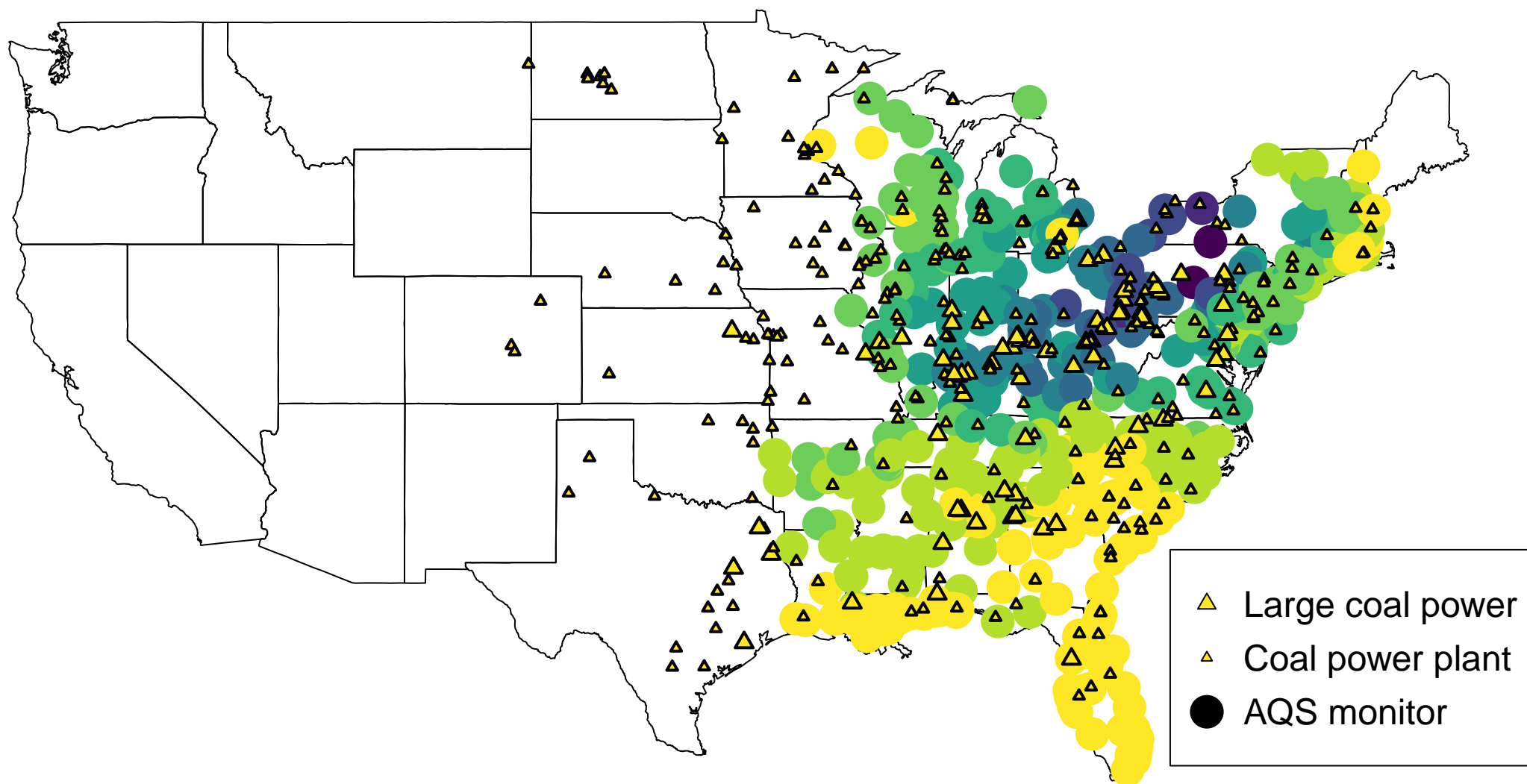
Edge counts by distance/direction to source  
Southeast receptors



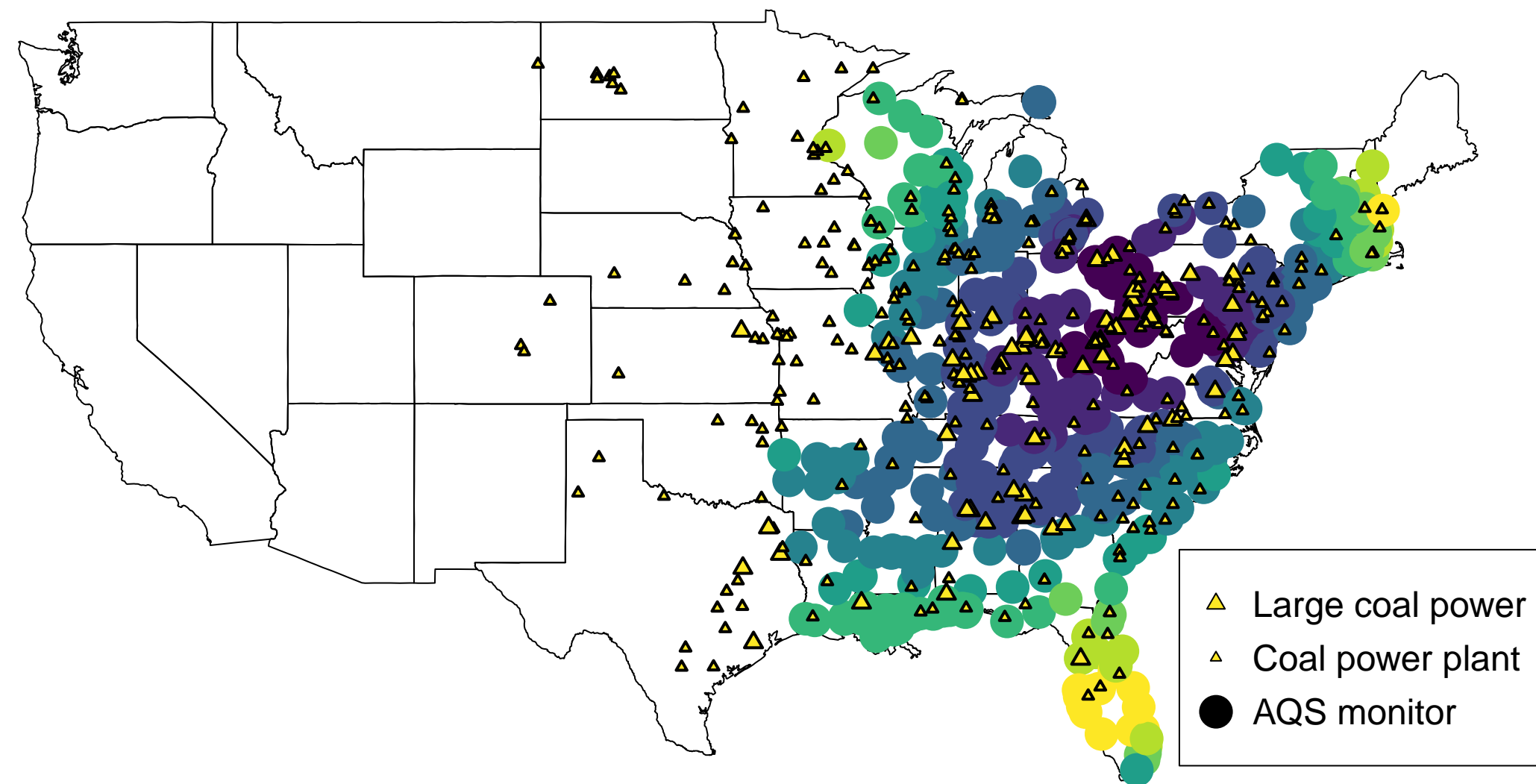
Distance to Source (km) 750-1000 500-750 250-500 0-250



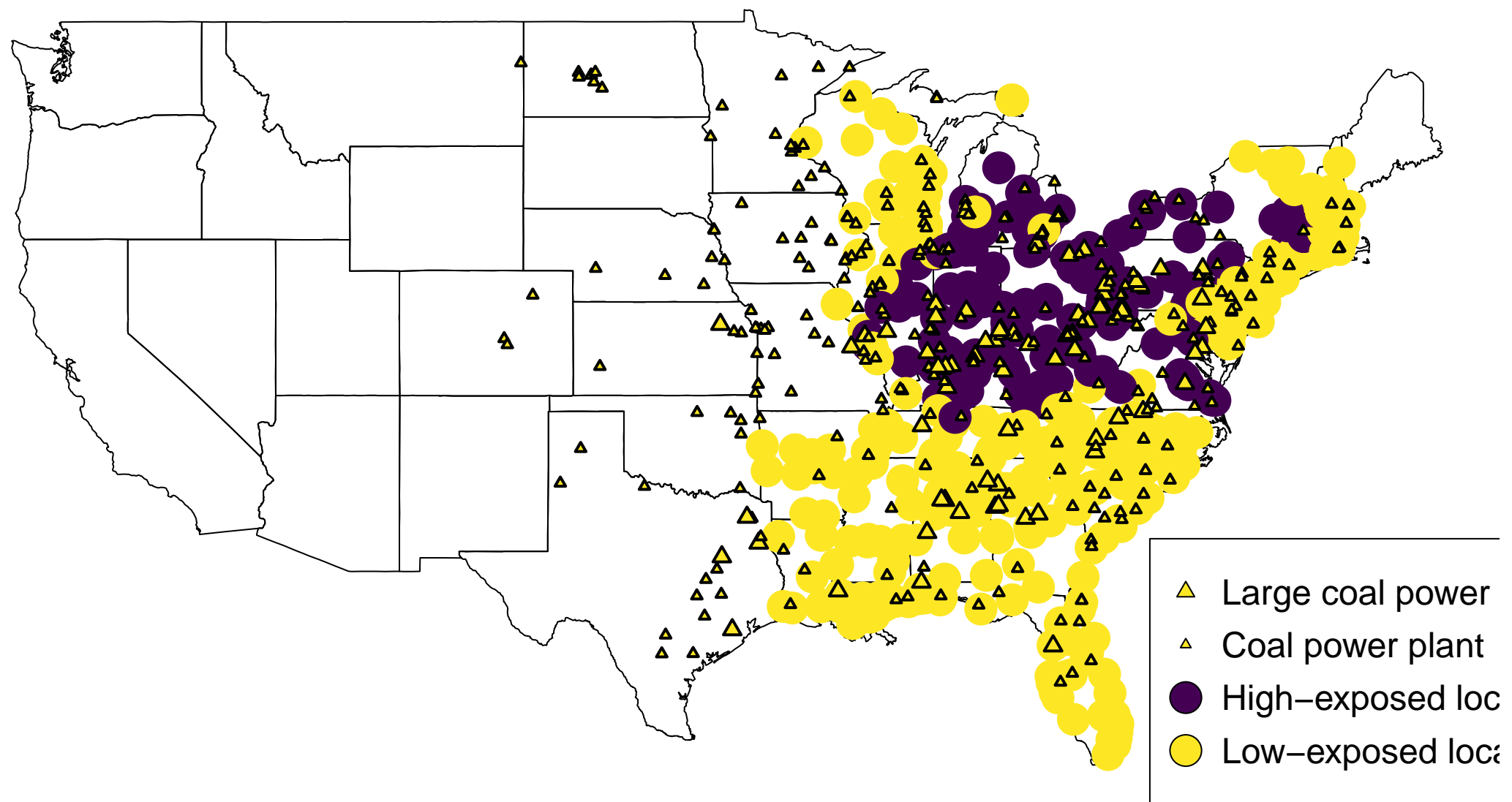
sum of gams.coeff summer 2005



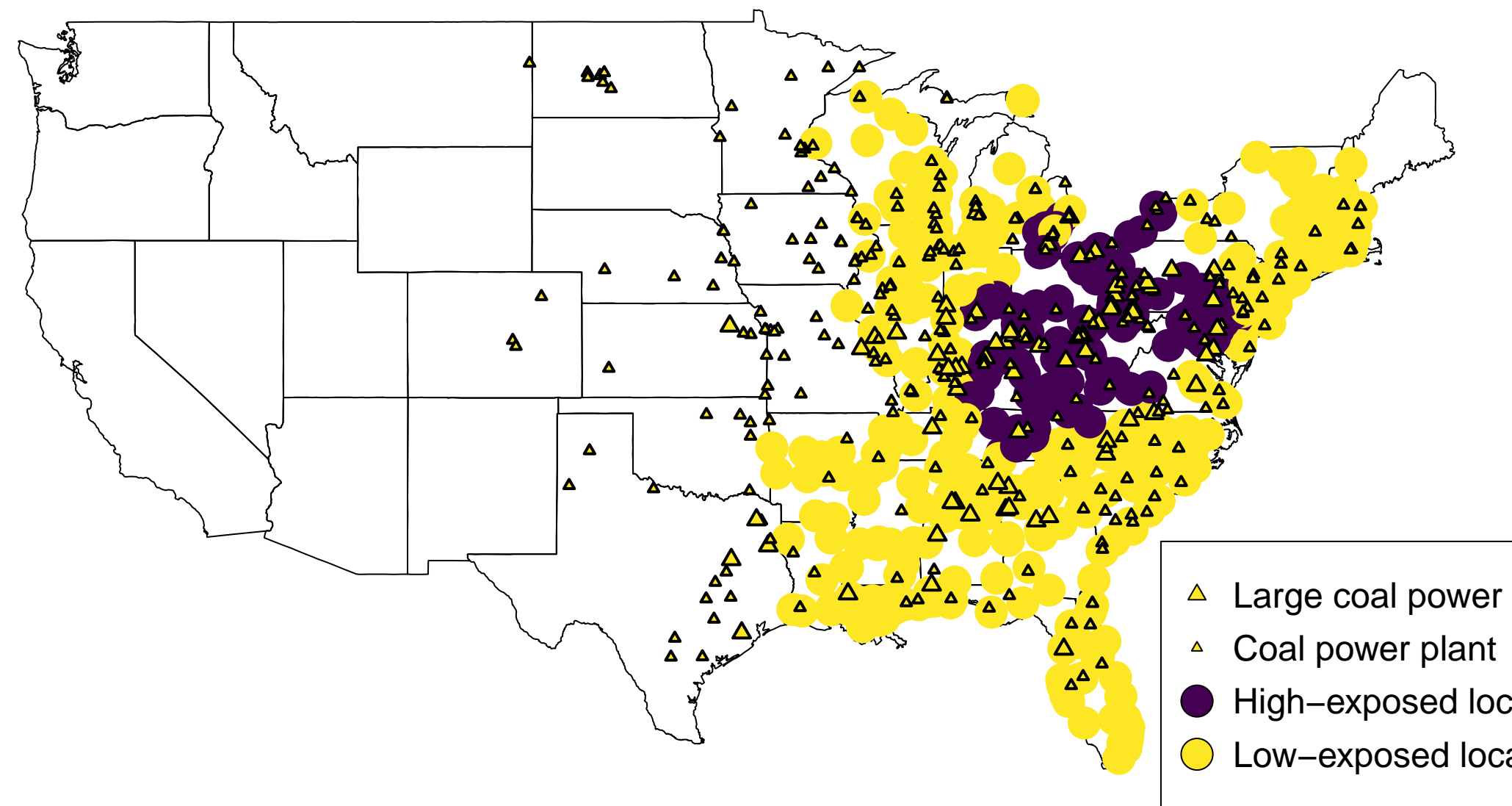
avgPM\_decomposed75 summer 2005



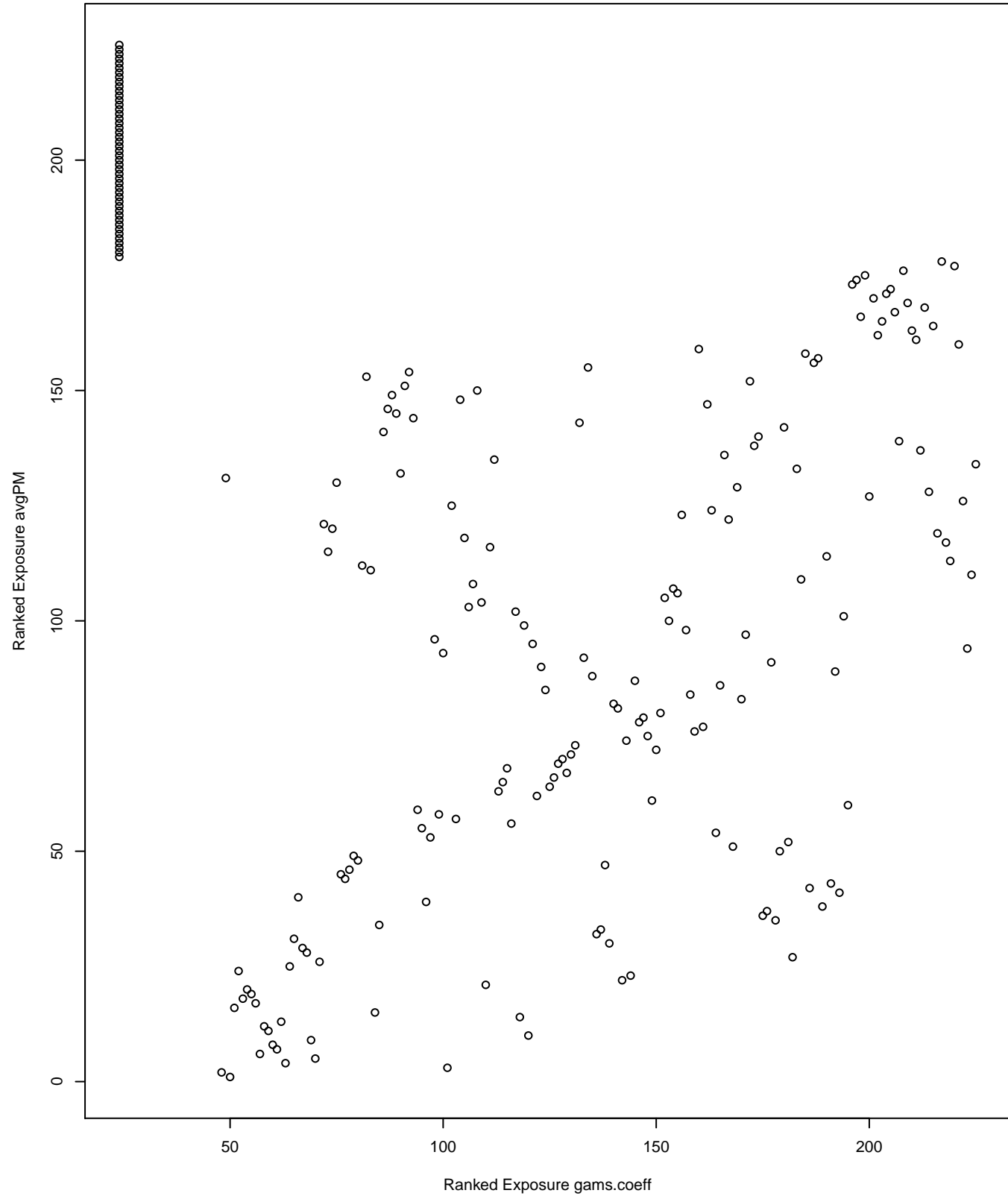
sum of gams.coeff summer 2005



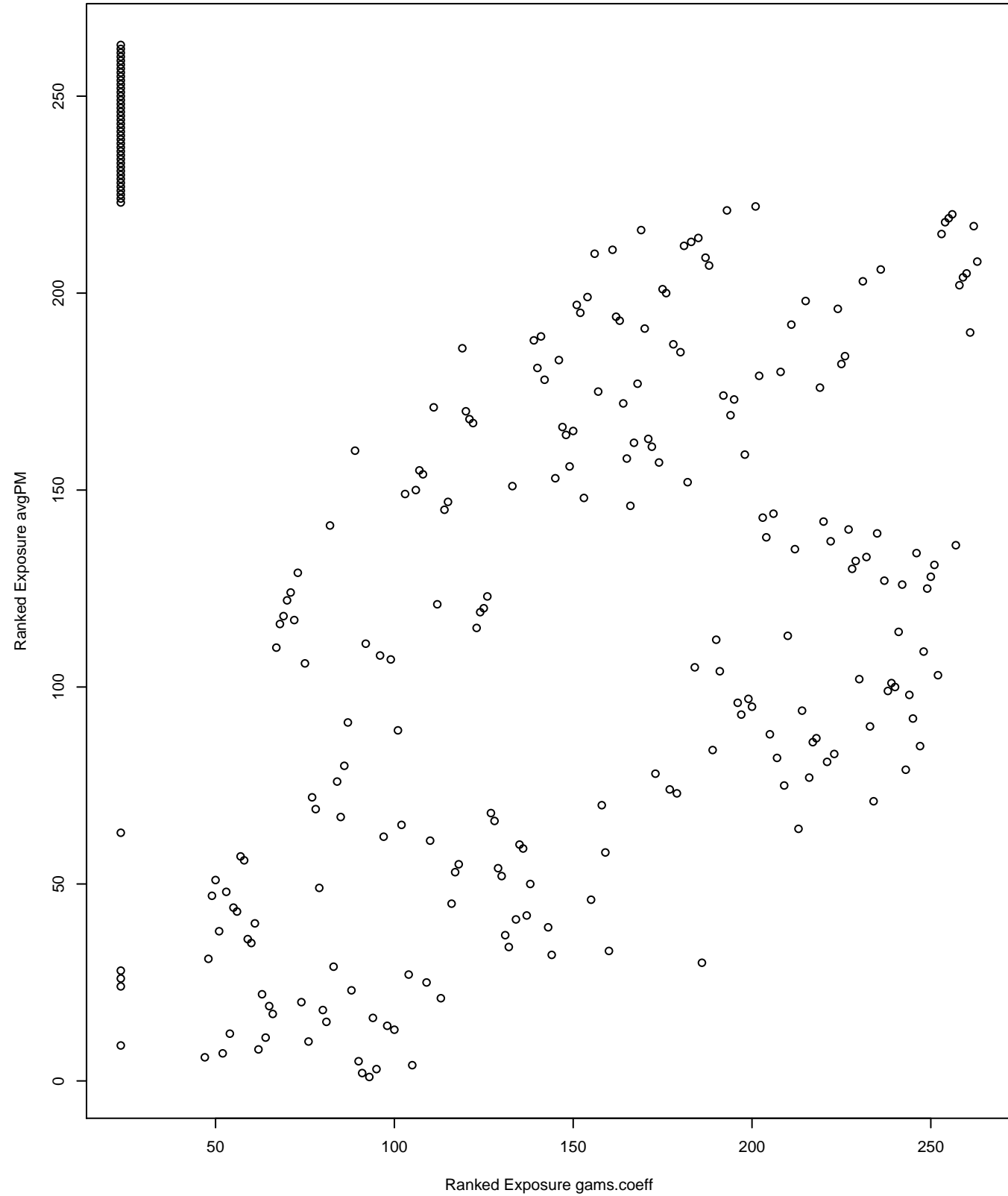
avgPM\_decomposed75 summer 2005



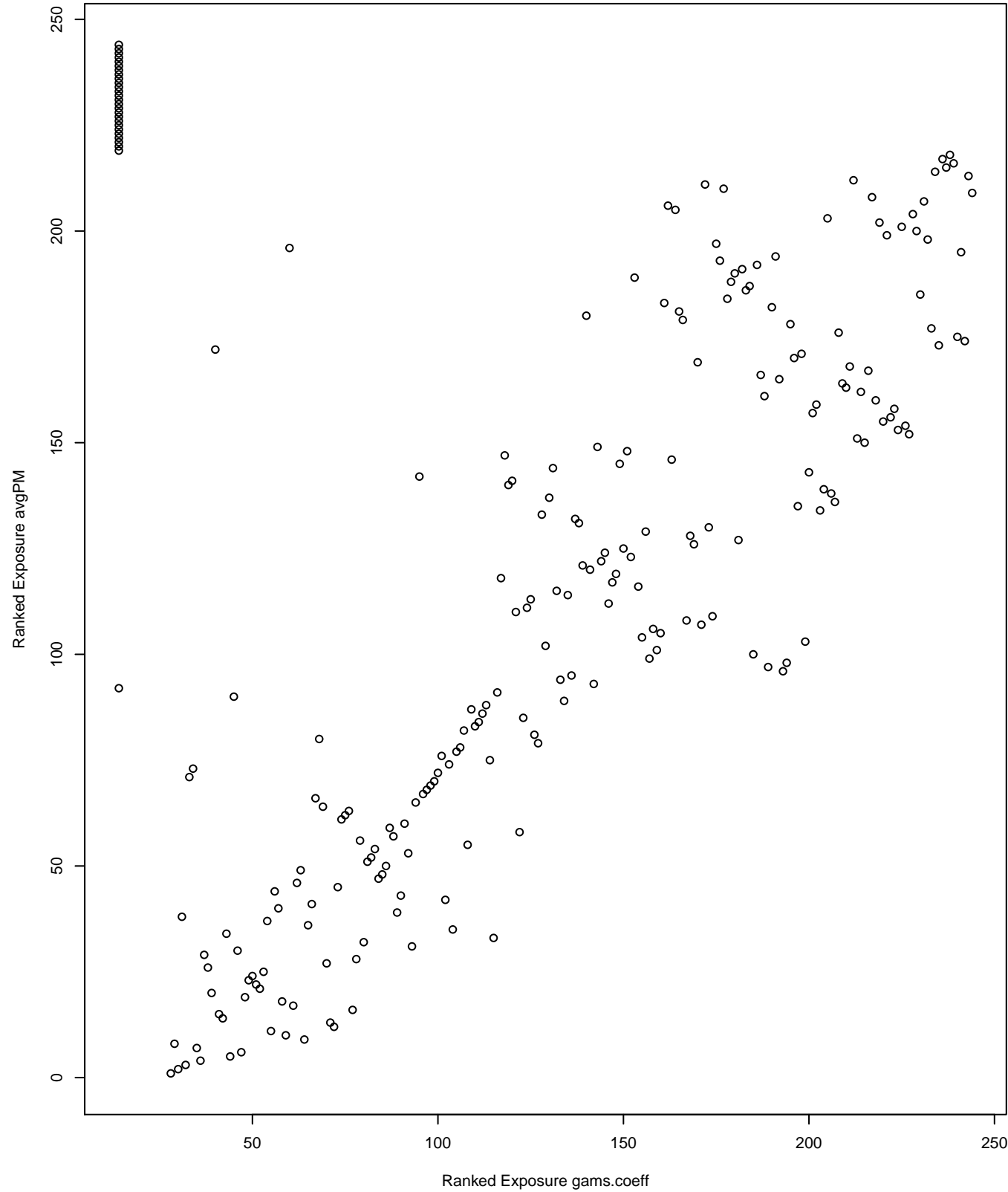
Northeast correlation = 0.55



Southeast correlation = 0.53

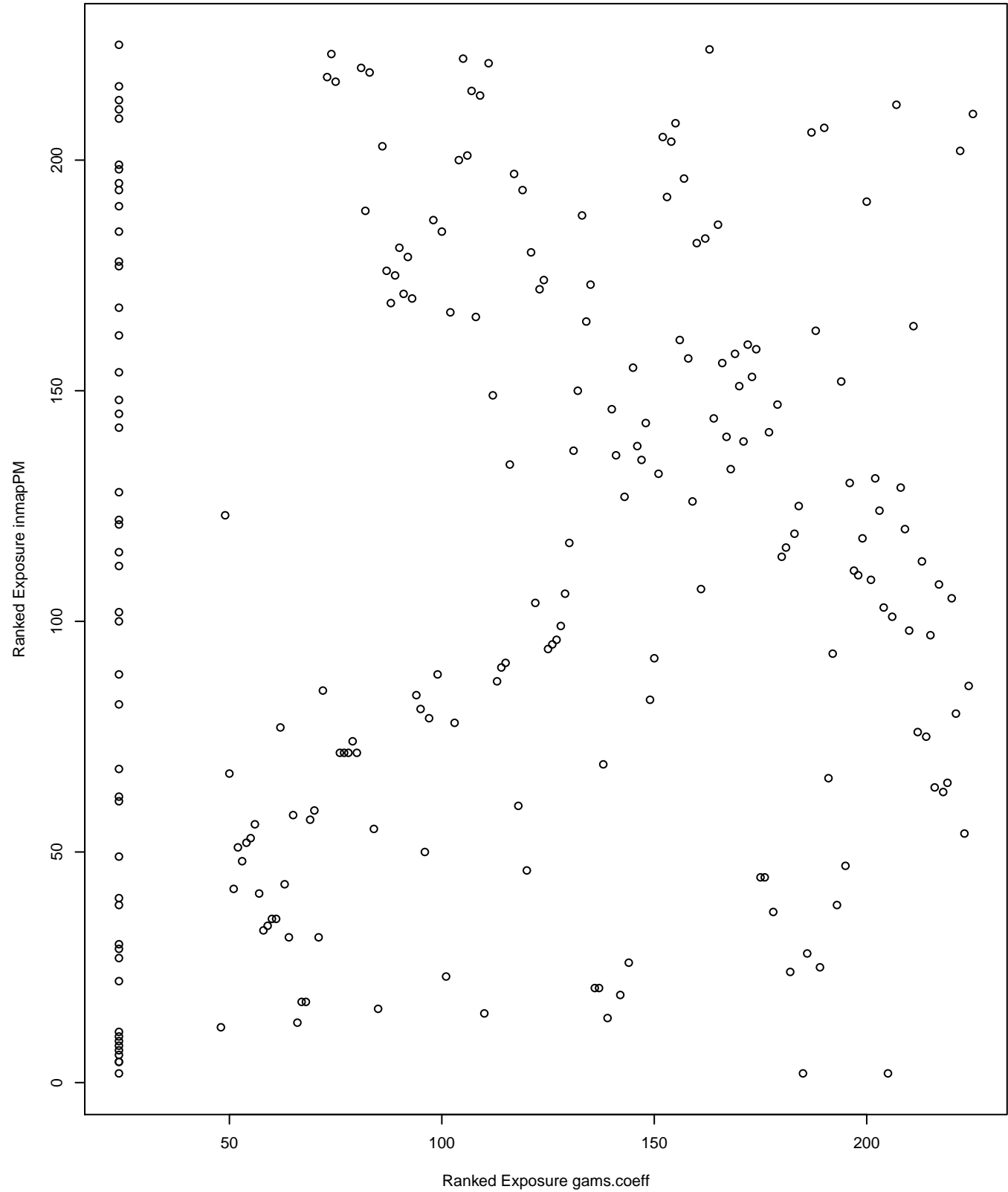


IndustrialMidwest correlation = 0.87

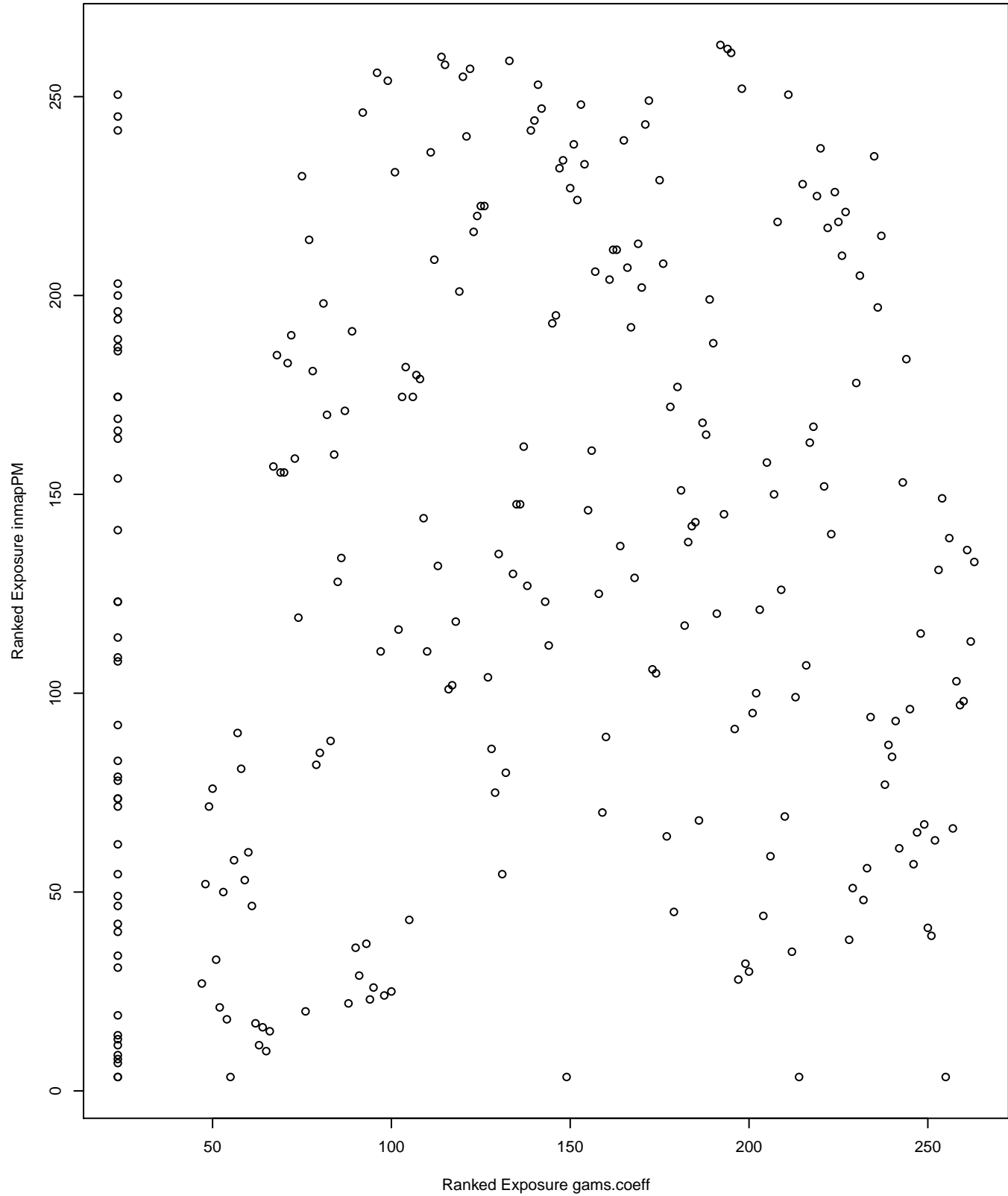




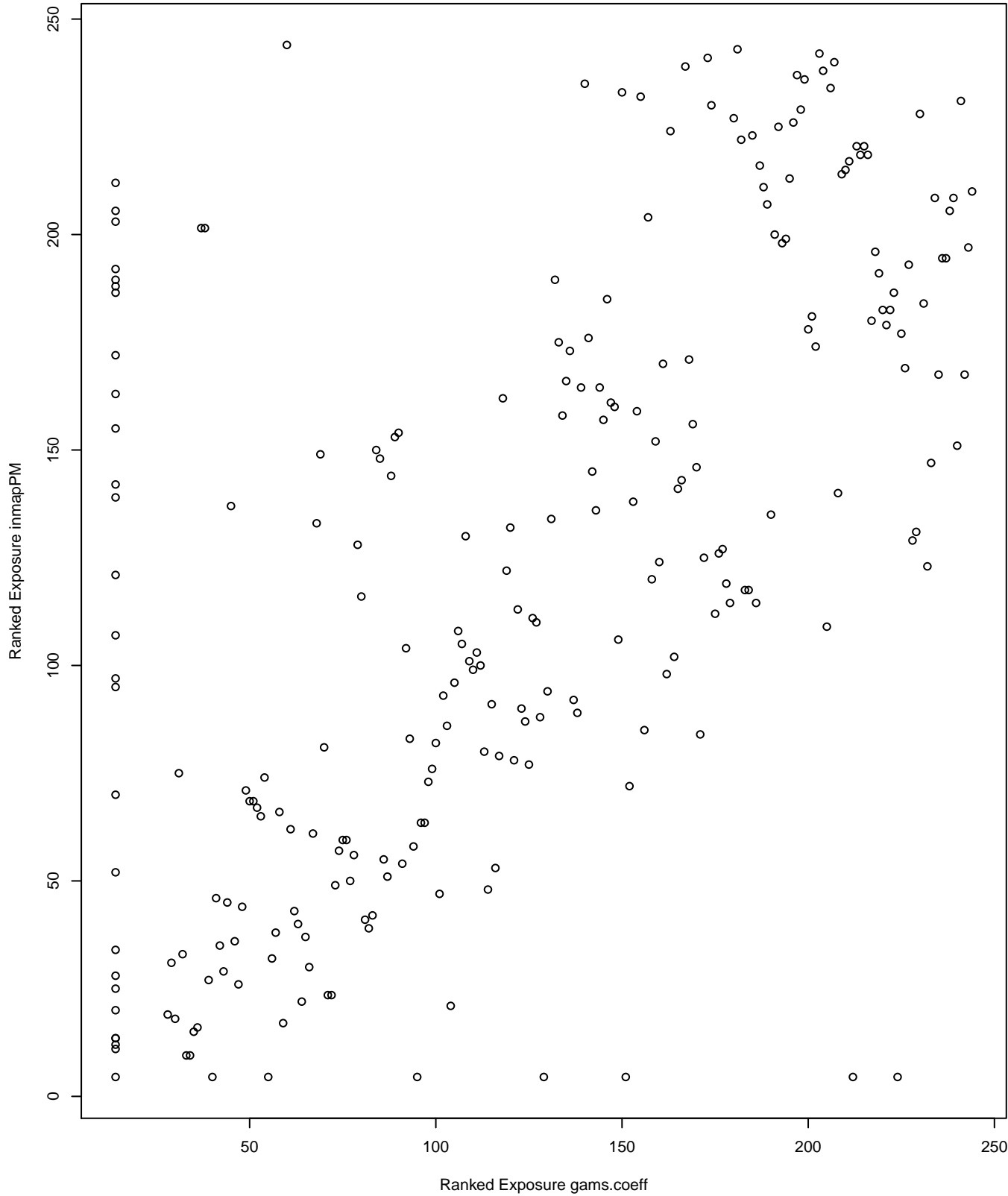
Northeast correlation = 0.14



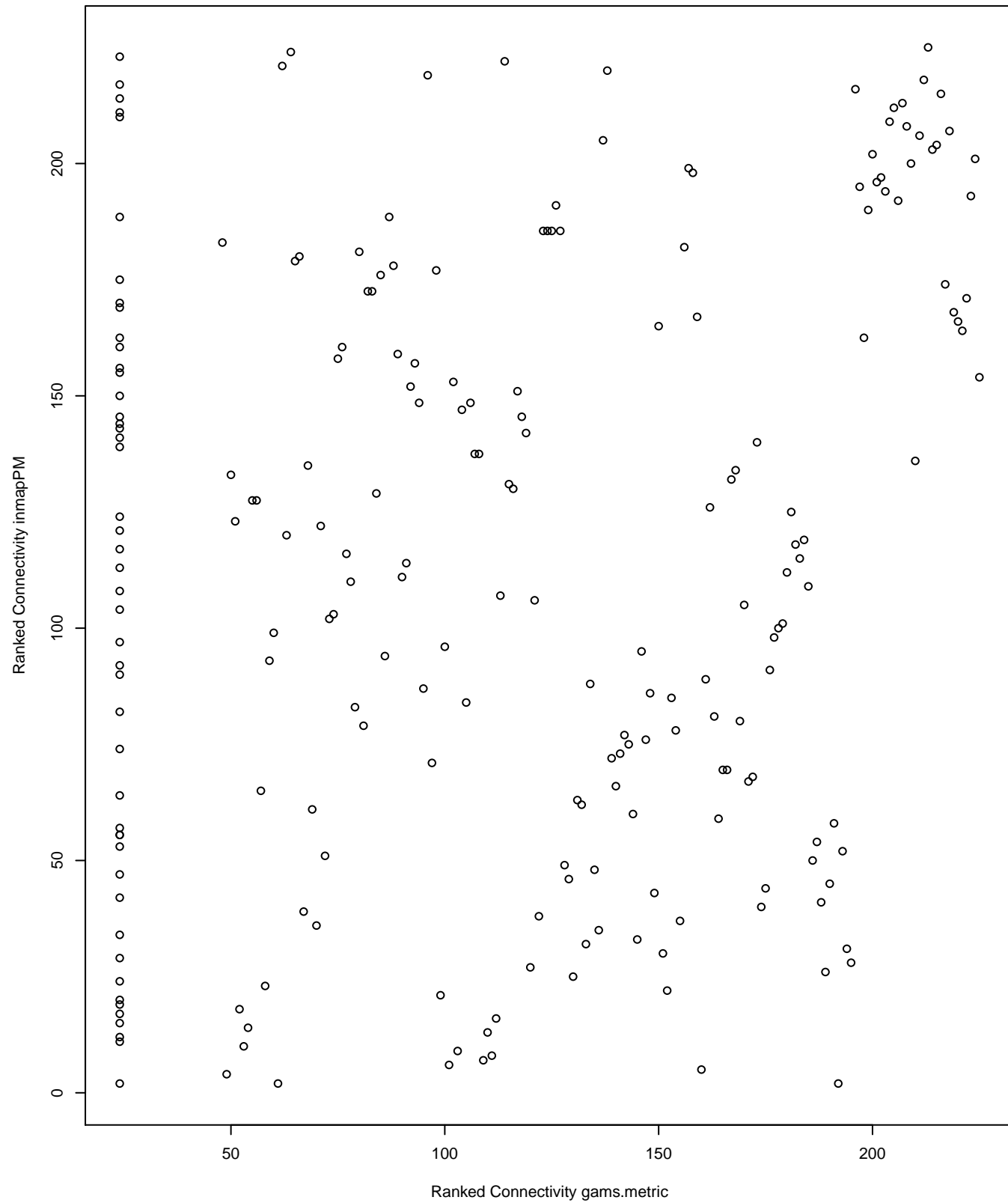
Southeast correlation = 0.08



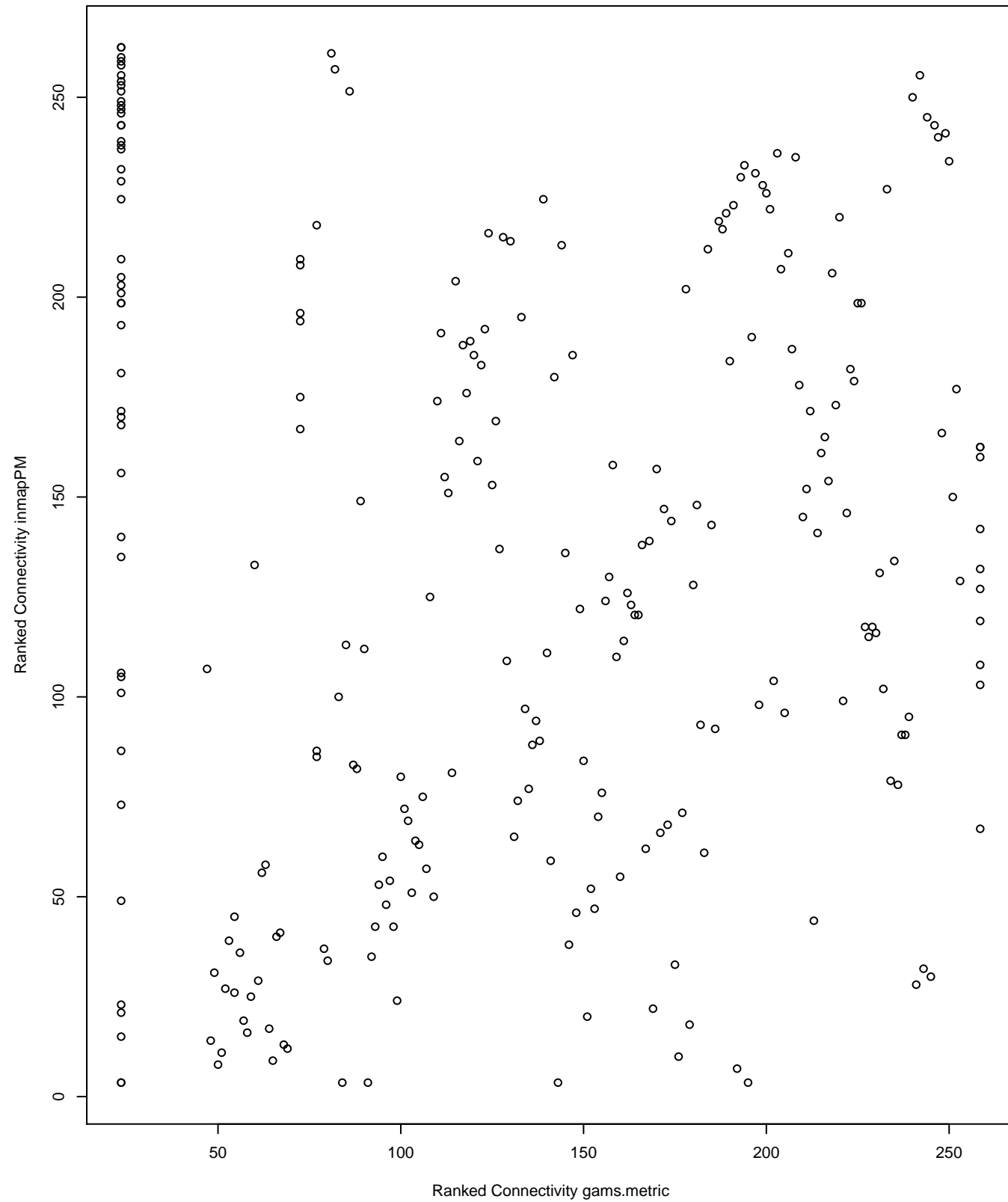
IndustrialMidwest correlation = 0.71



Northeast correlation = 0.18



Southeast correlation = 0.04



IndustrialMidwest correlation = 0.36

