Supplementary Materials

How Landscape Patterns Affect River Water Quality Spatially and Temporally: A Multiscale Geographically Weighted Regression Approach

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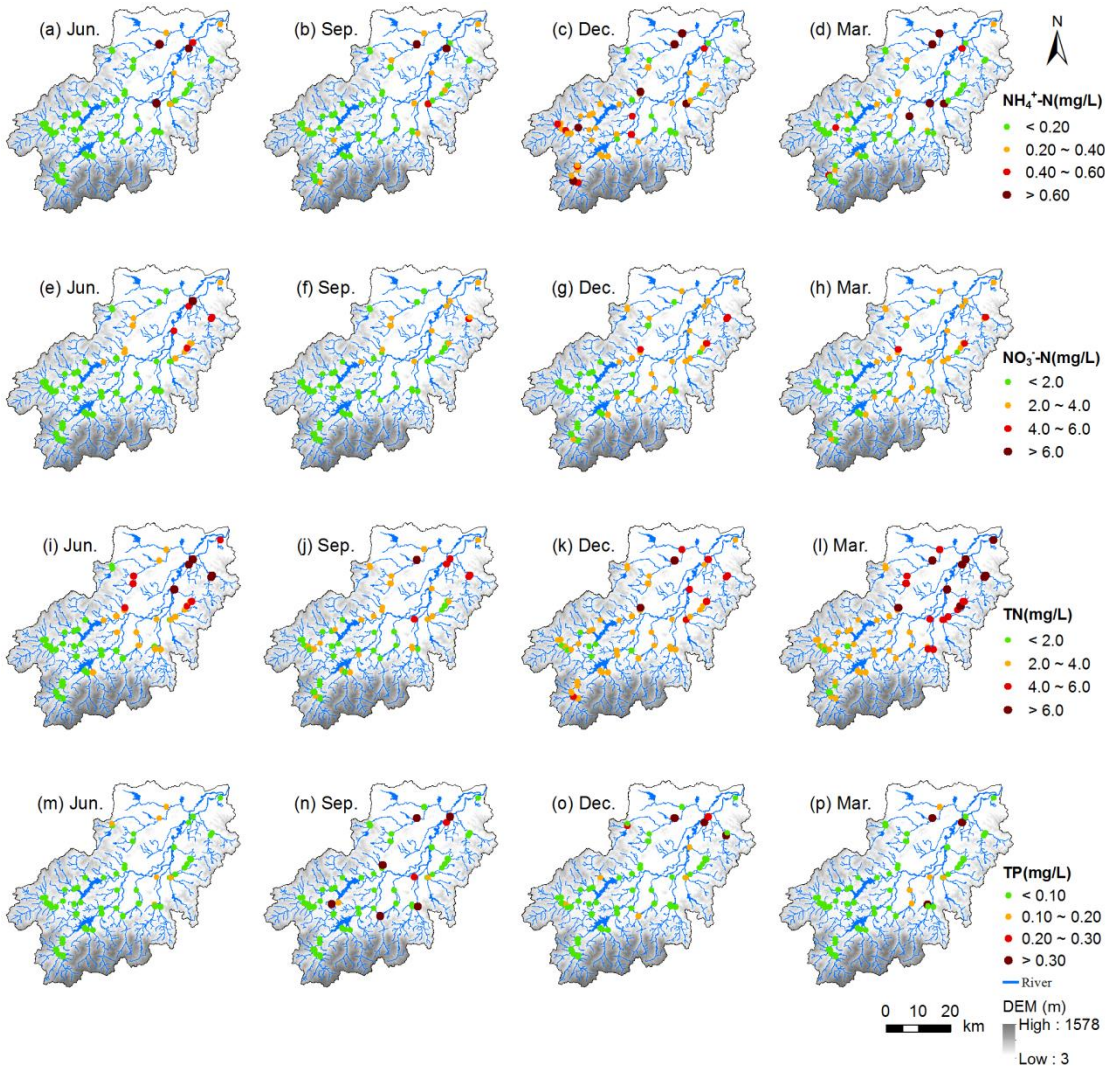

Figure S1. Spatial variations in the water quality parameters in the upper reaches of the West Tiaoxi River. (a) ~ (d), (e) ~ (h), (i) ~ (l) and (m) ~ (p) shows the concentrations of NH_4^+-N, NO_3^--N, TN and TP in June, September and December 2020 and March 2021, respectively.

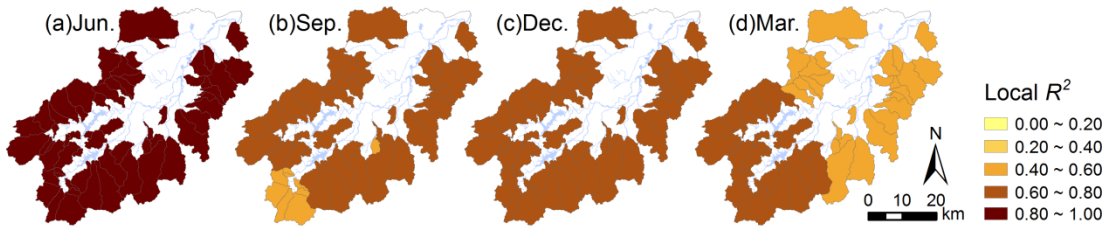

Figure S2. Spatial variations in the local R^2 values for NO_3^--N in different months in the MGWR model.

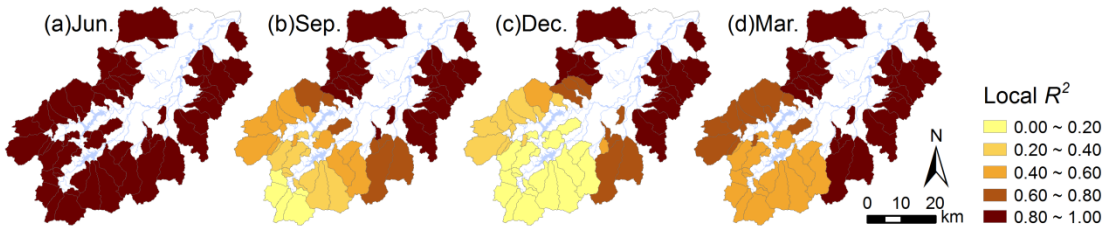

Figure S3. Spatial variations in the Local R^2 values for NH_4^+-N in different months in the MGWR model.

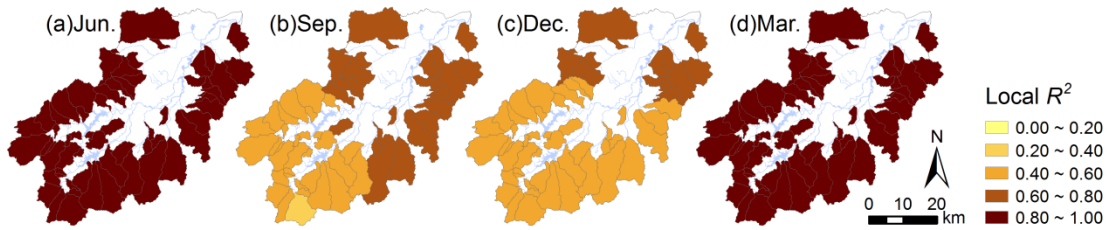

Figure S4. Spatial variations in the Local R^2 for TN in different months in the MGWR model.

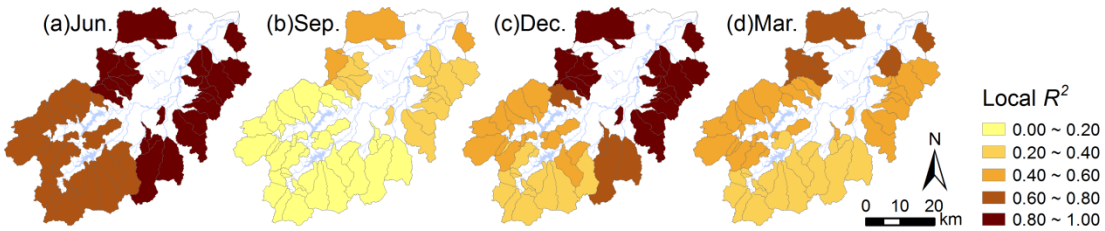

Figure S5. Spatial variations in the local R^2 for TP in different months in the MGWR model.