Supplementary material:

Computed power spectrums considering baseflow data measured at gauging stations. Power spectrums are separated based on the lithological/geological characteristics of the basins where the gauging stations are located.

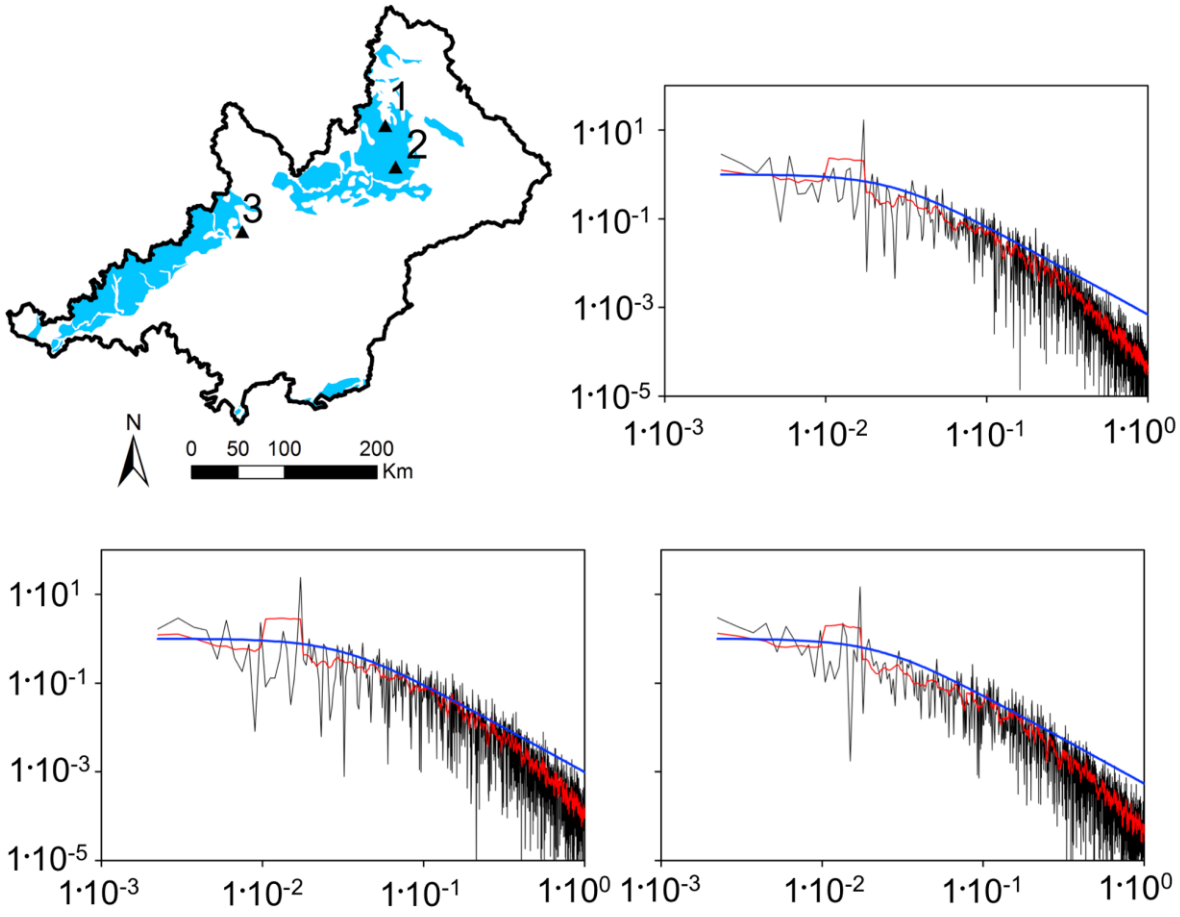

Figure A1. River gauges located in basins that mostly contain consolidated carbonatic materials

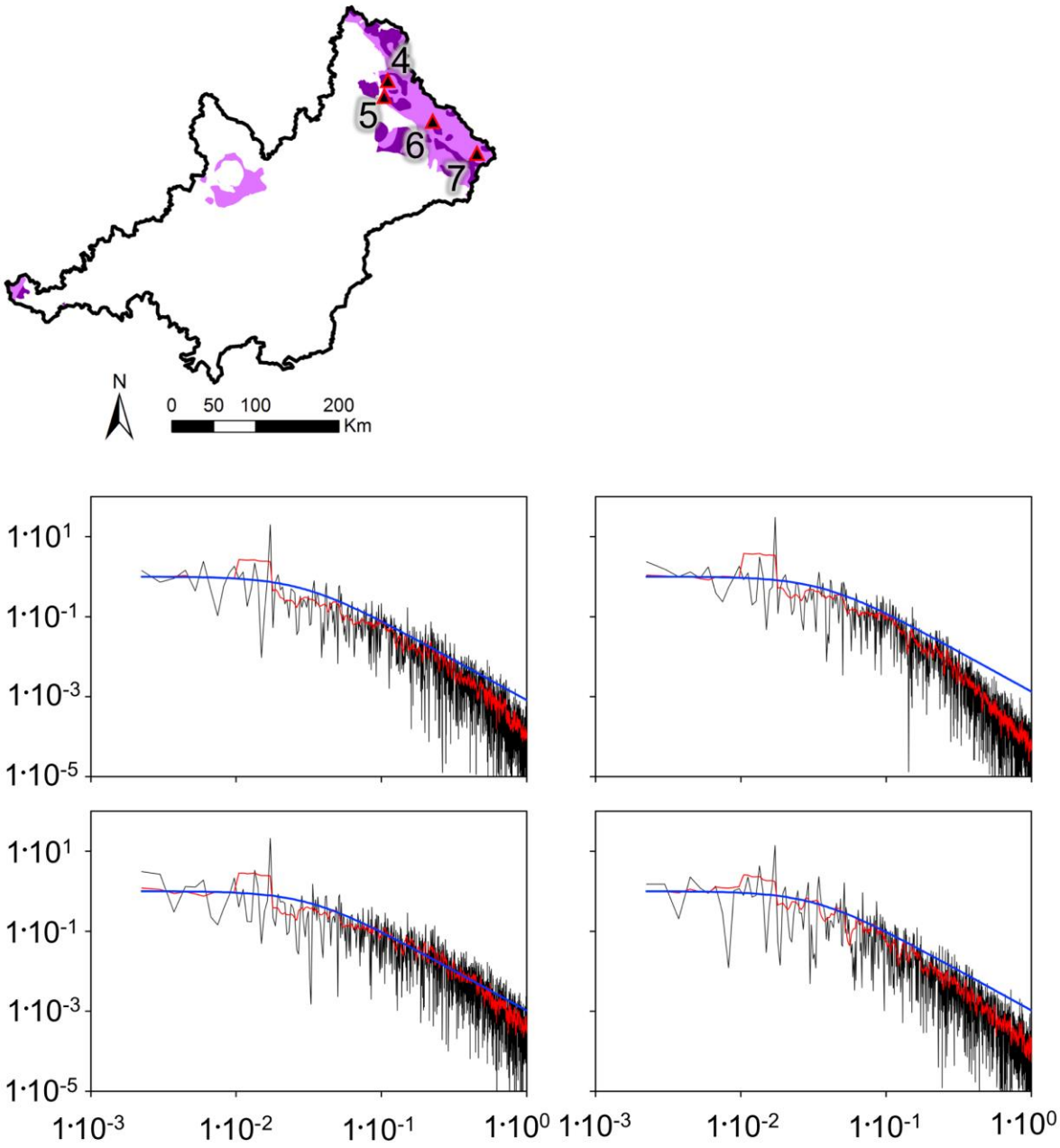

Figure A2. River gauges located in basins that mostly contain consolidated igneous and metamorphic materials

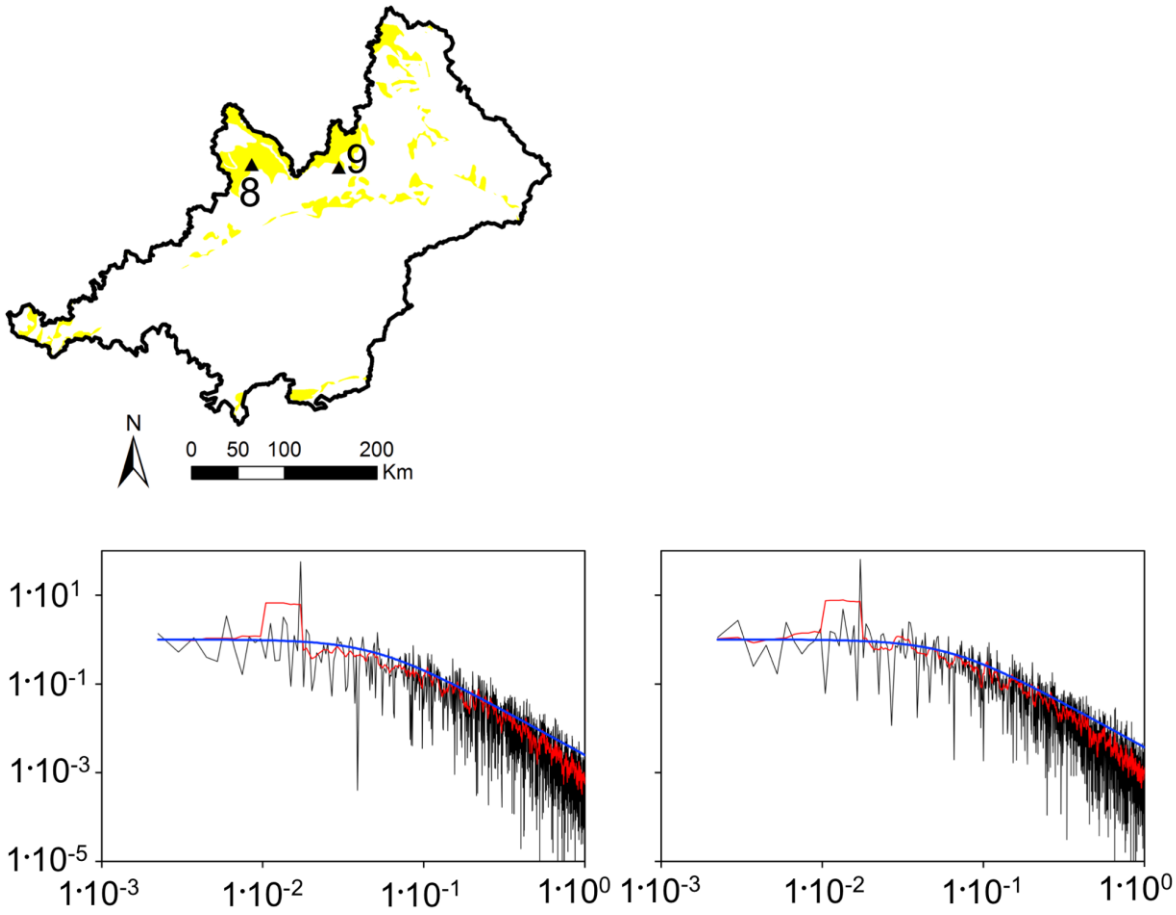

Figure A3. River gauges located in basins that mostly contain consolidated siliciclastic materials

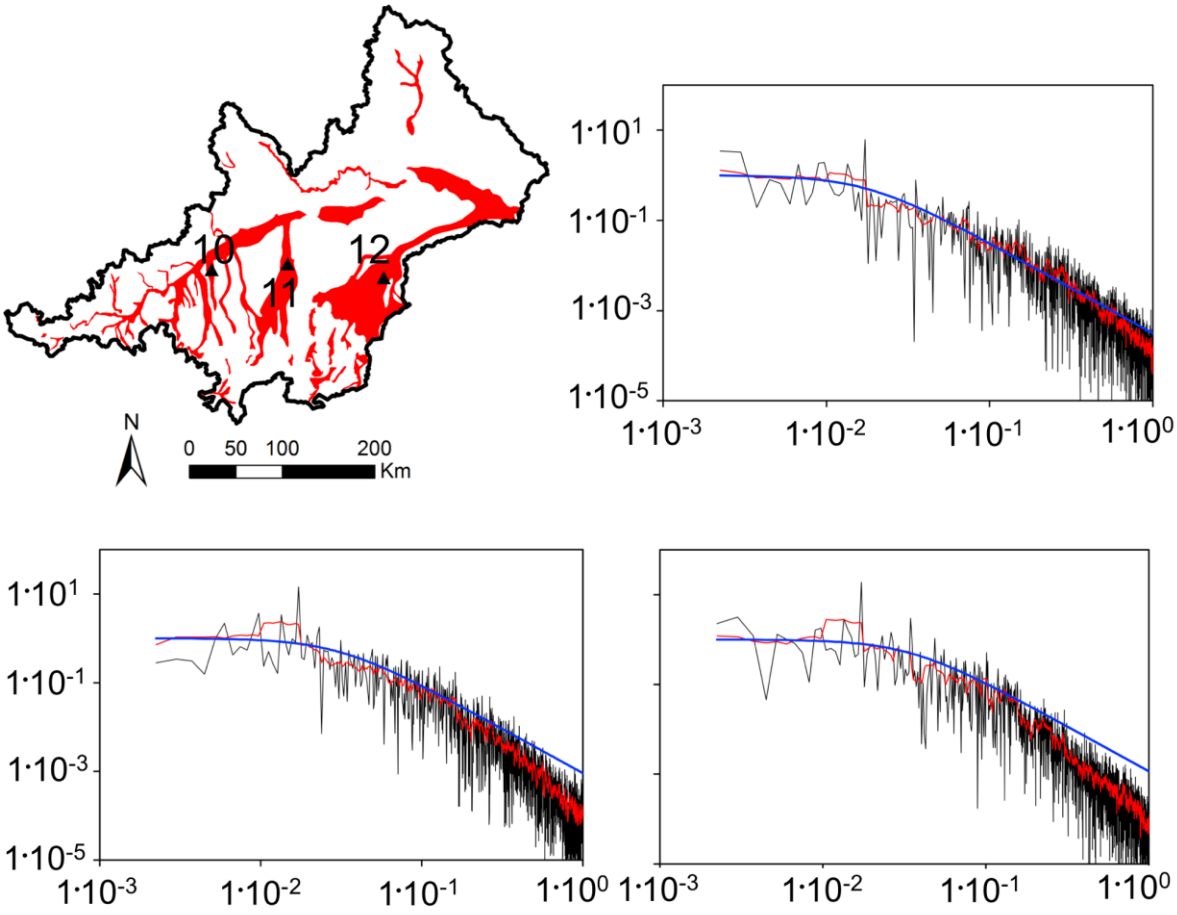

Figure A4. River gauges located in basins that mostly contain highly productive unconsolidated materials

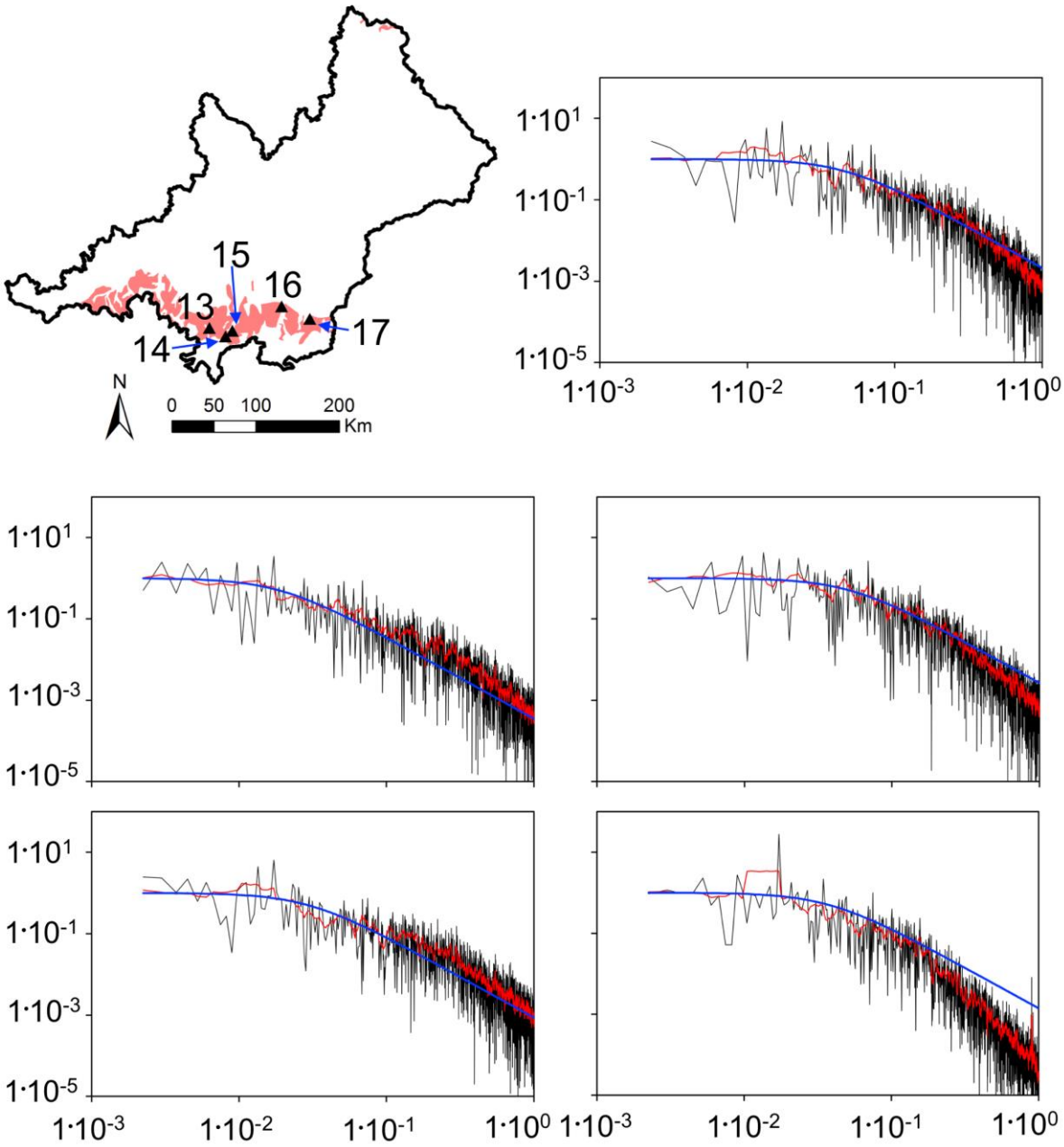

Figure A5. River gauges located in basins that mostly contain locally productive unconsolidated materials

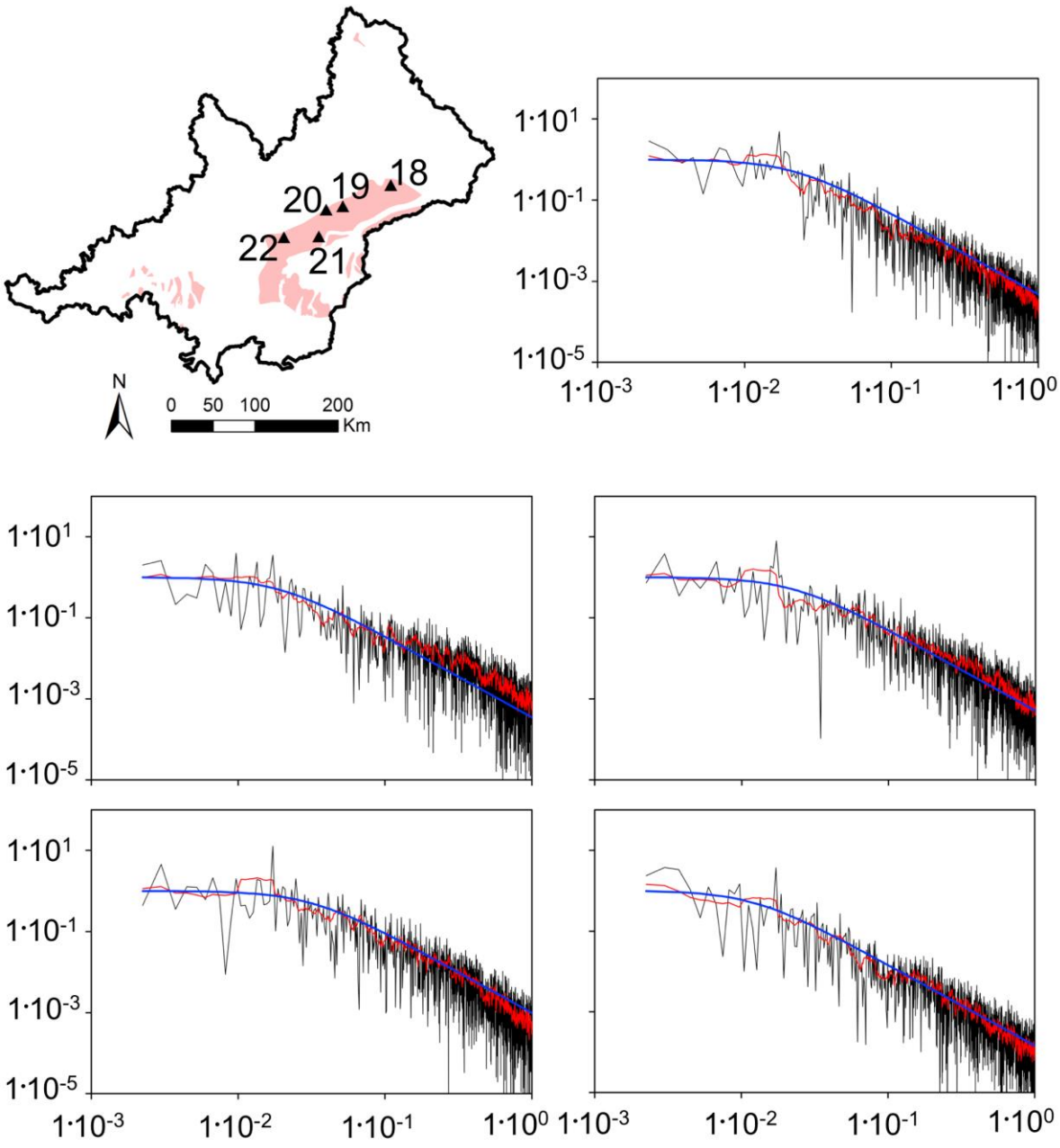

Figure A6. River gauges located in basins that mostly contain low productive unconsolidated materials

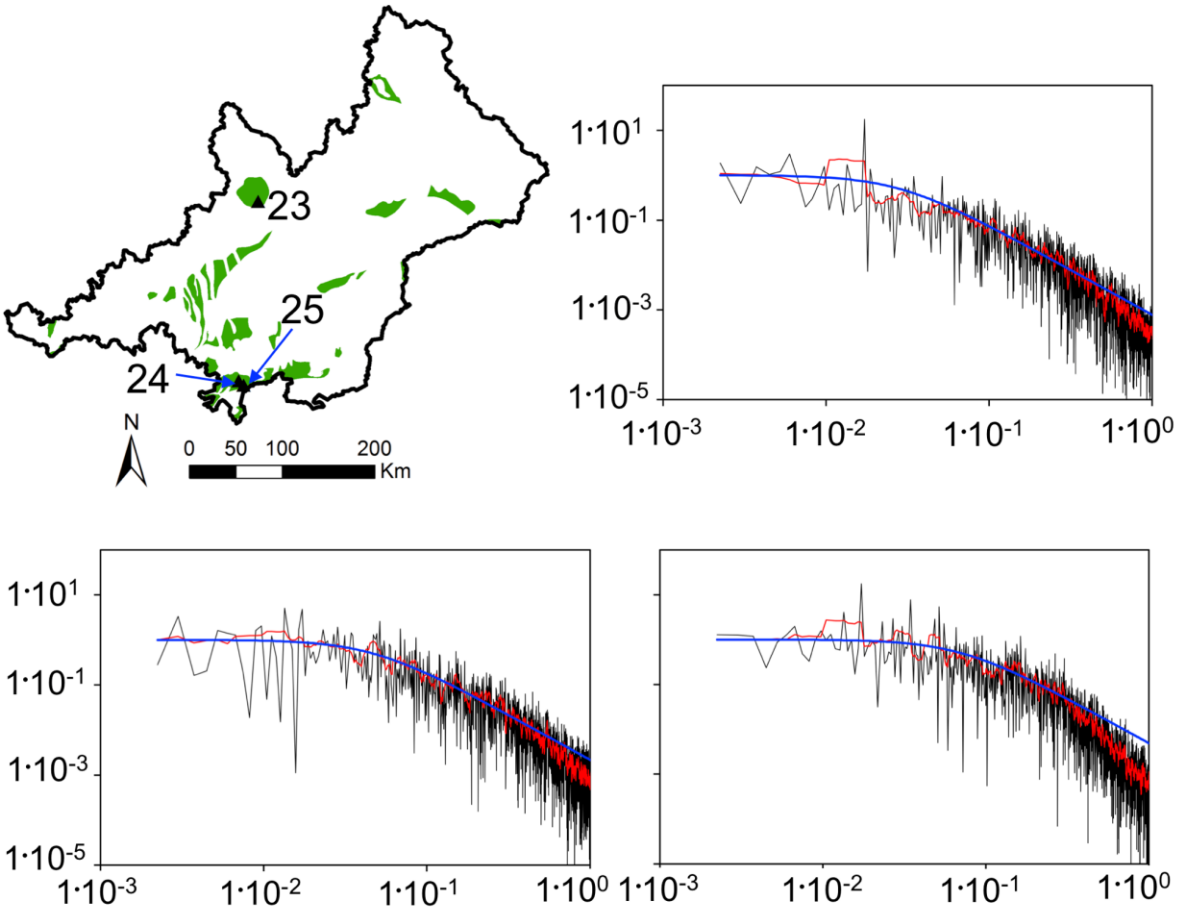

Figure A7. River gauges located in basins that mostly contain locally productive partially consolidated materials

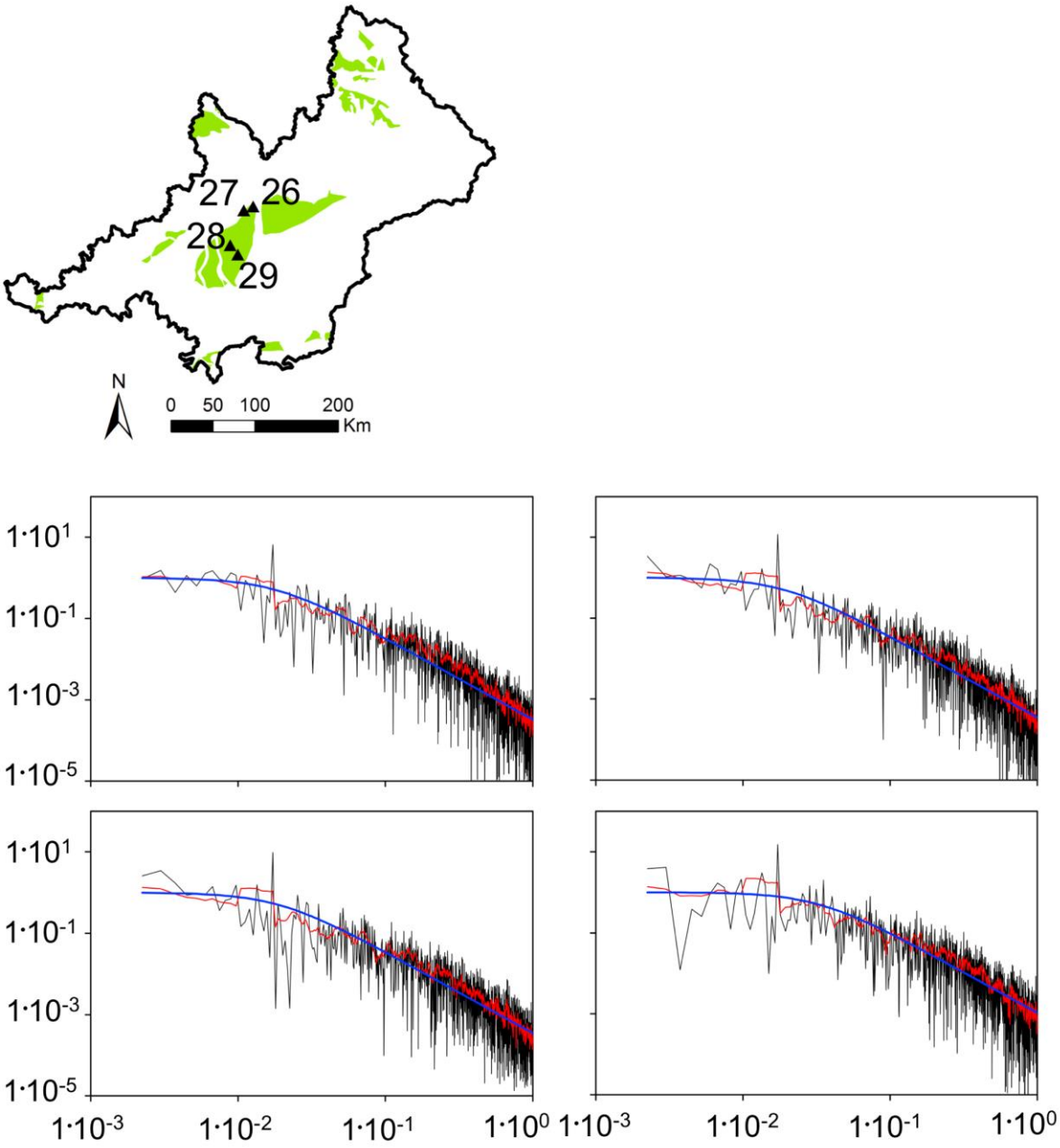

Figure A8. River gauges located in basins that mostly contain low productive partially consolidated materials