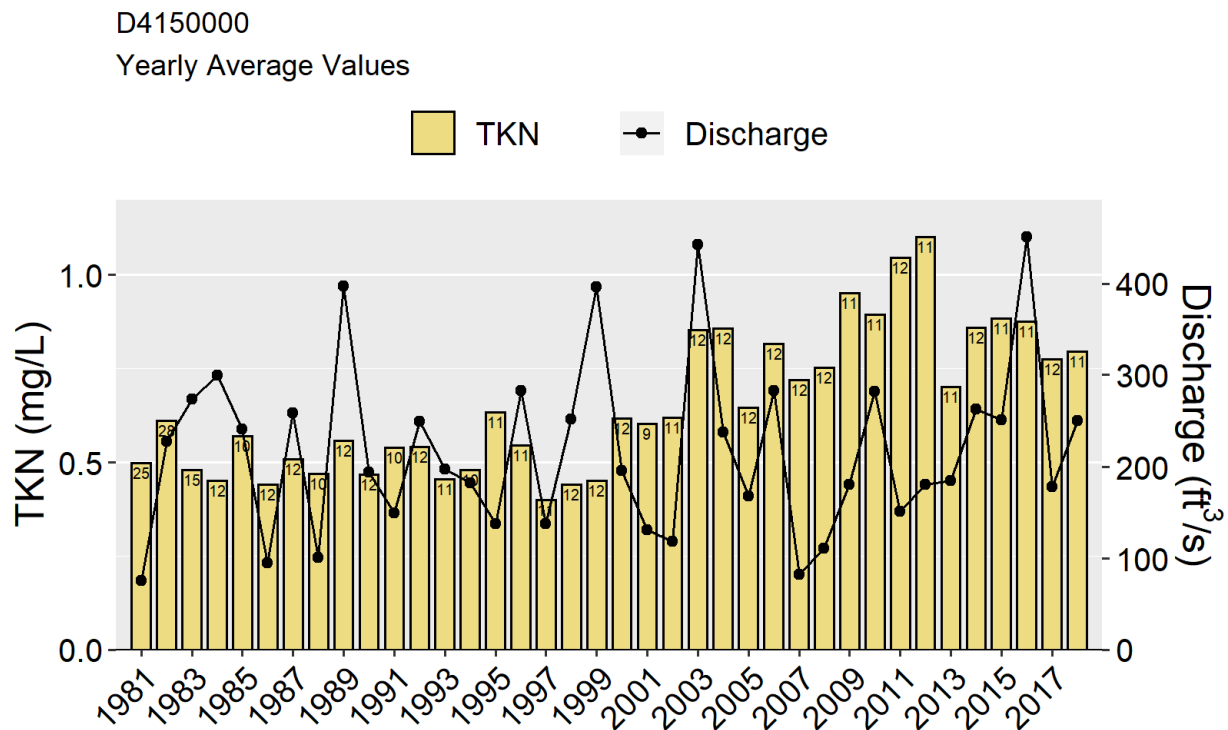


Appendix III

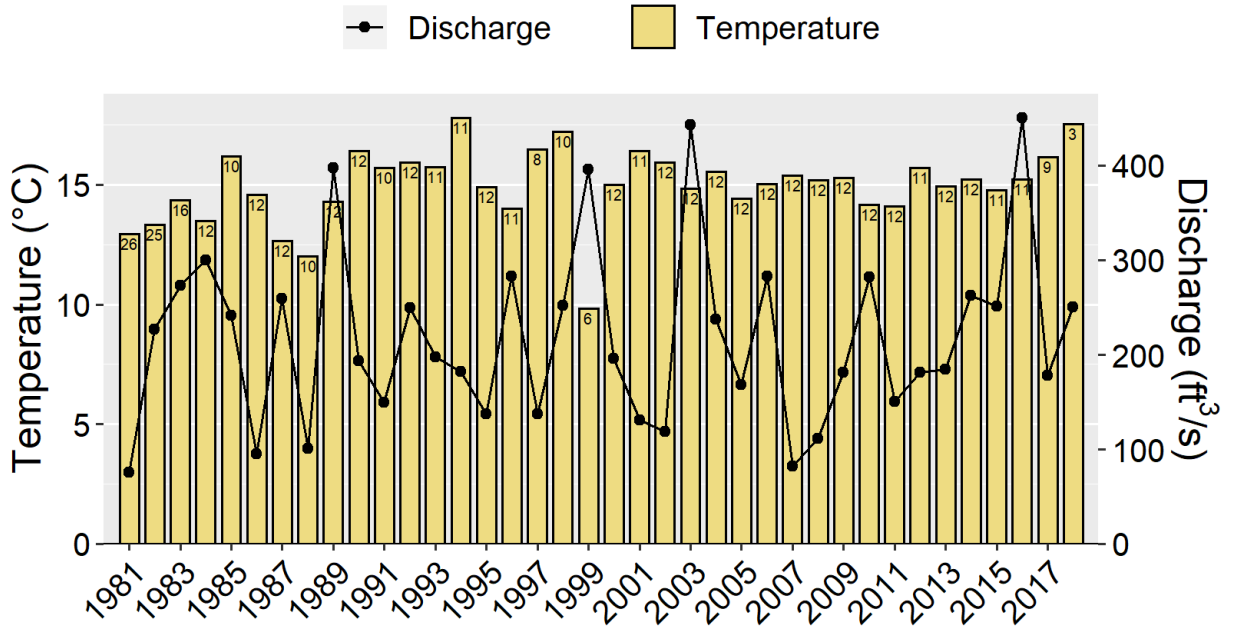
Weight-Average Methodology

The reasoning behind this methodology is that the earlier years of monitoring collected multiple samples within a single day, multiple samples within a single month on an irregular basis. This differs from the current sampling regime which collects one sample per month. The intent of this method was to have a historical distribution of samples that matched the current sampling regime. We maintained this methodology throughout the report. The annual means for the water quality parameters presented in appendix III, appendix IV, chapter 2, chapter 4, and chapter 5 were calculated using monthly averages which were based on daily average values. First, the average daily values were calculated for each water quality parameter, then the monthly average values were calculated from the daily average values. These average monthly values were then used to calculate the yearly means. The five-year means and 2010 – 2018 means presented in Chapter 5 were calculated using a similar methodology using the yearly average values to calculate the five year means.

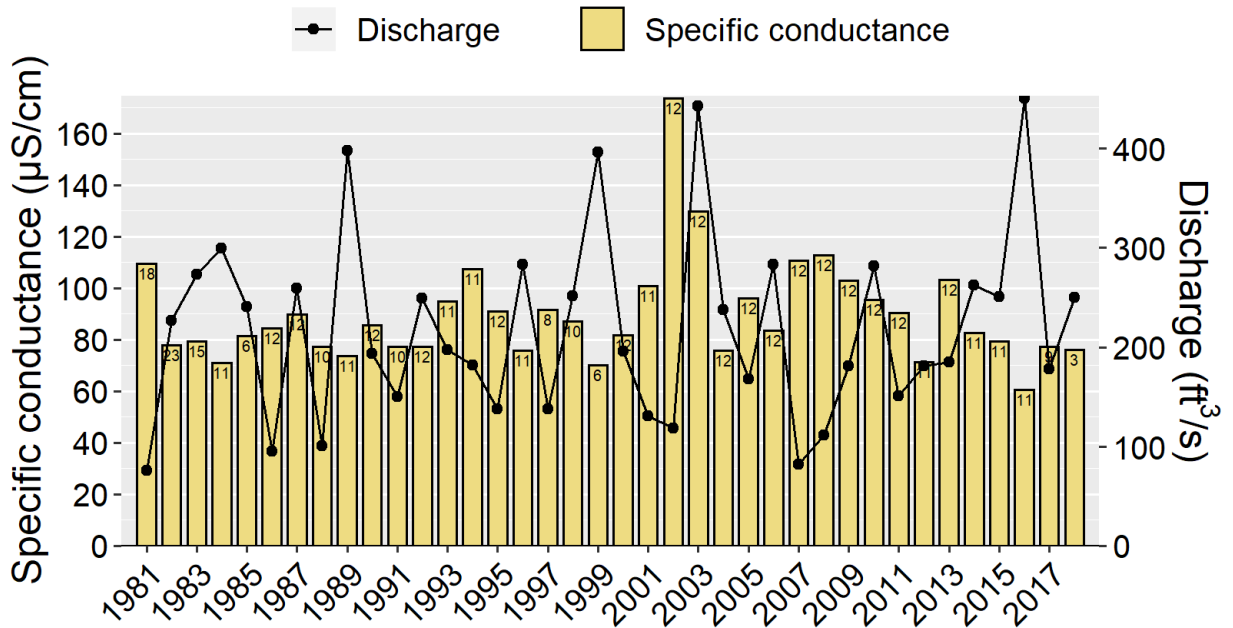
POTECASI CREEK AT NC 11 NEAR UNION Ambient Monitoring Station Water Quality Data with the Number of Samples Collected inside the Bar, Annual Weighted Means, and Annual Median values with the Potecasi Creek Discharge from USGS Gage: 02053200.



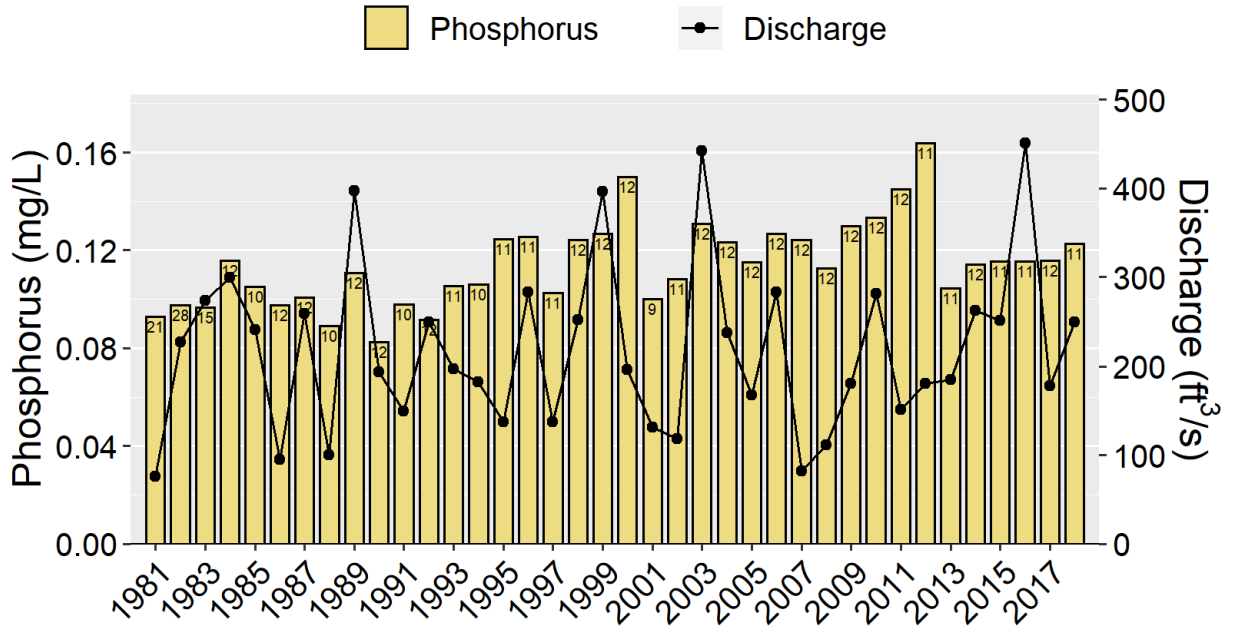
D4150000
Yearly Average Values



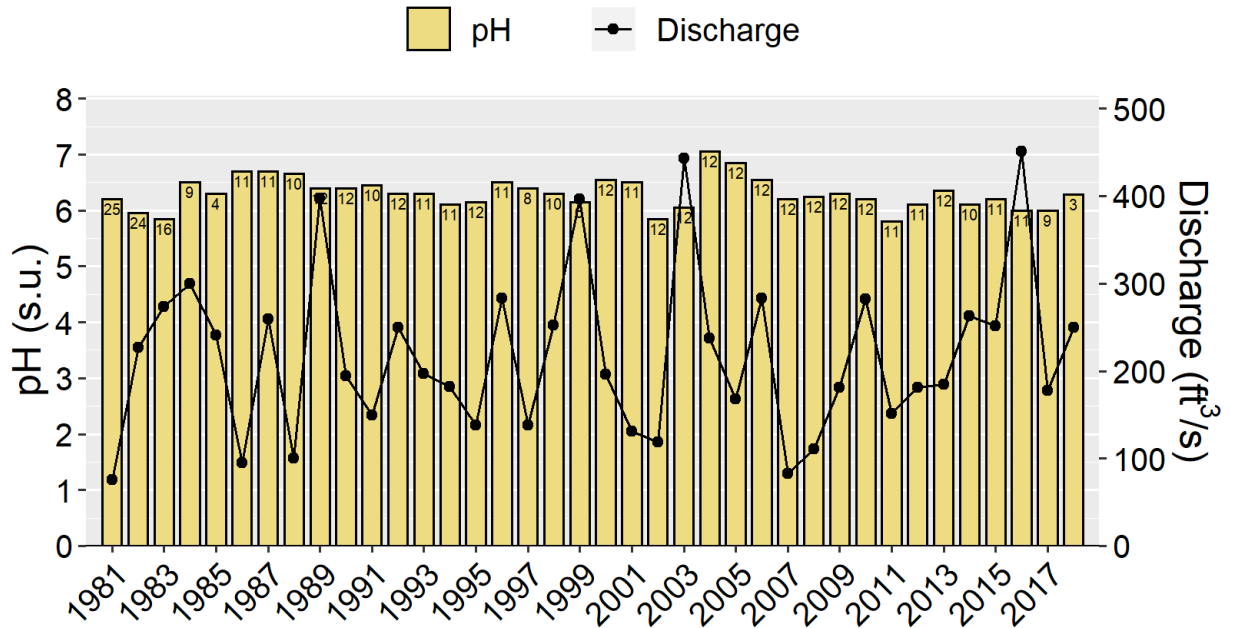
D4150000
Yearly Average Values



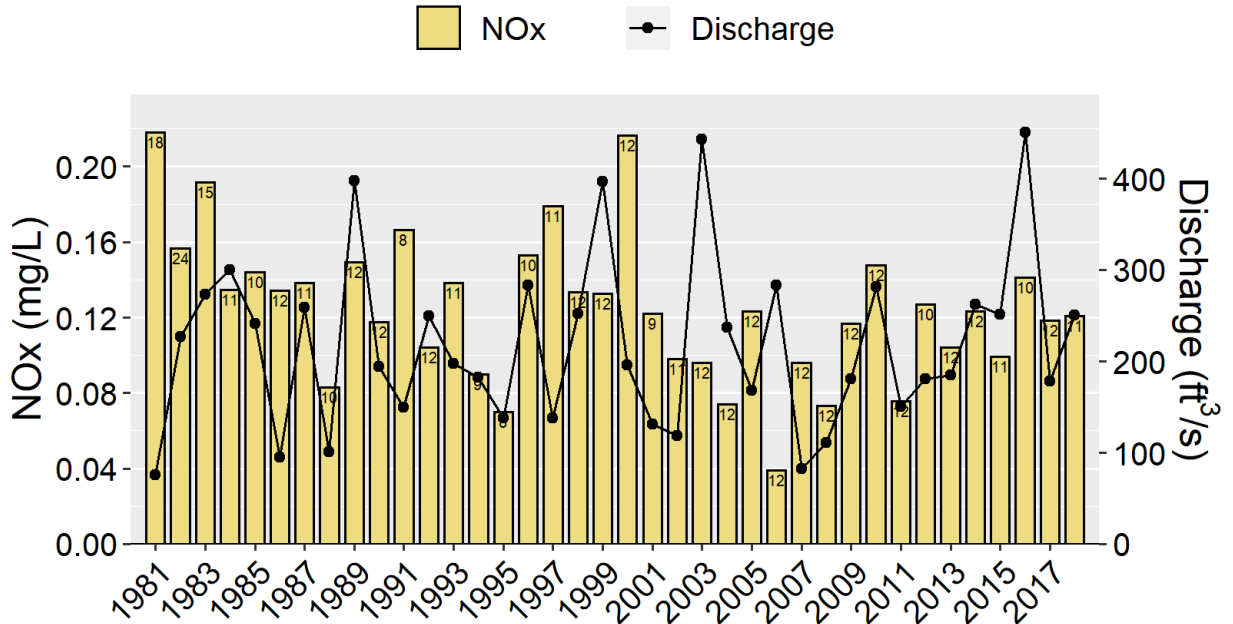
D4150000
Yearly Average Values



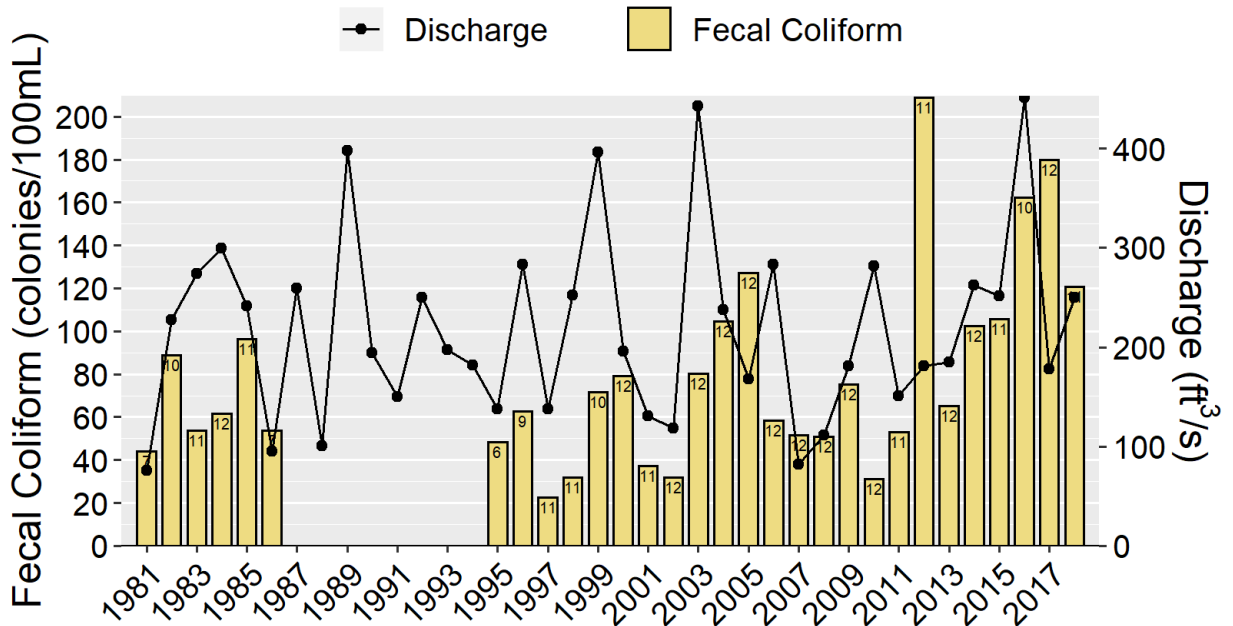
D4150000
Yearly Median Values



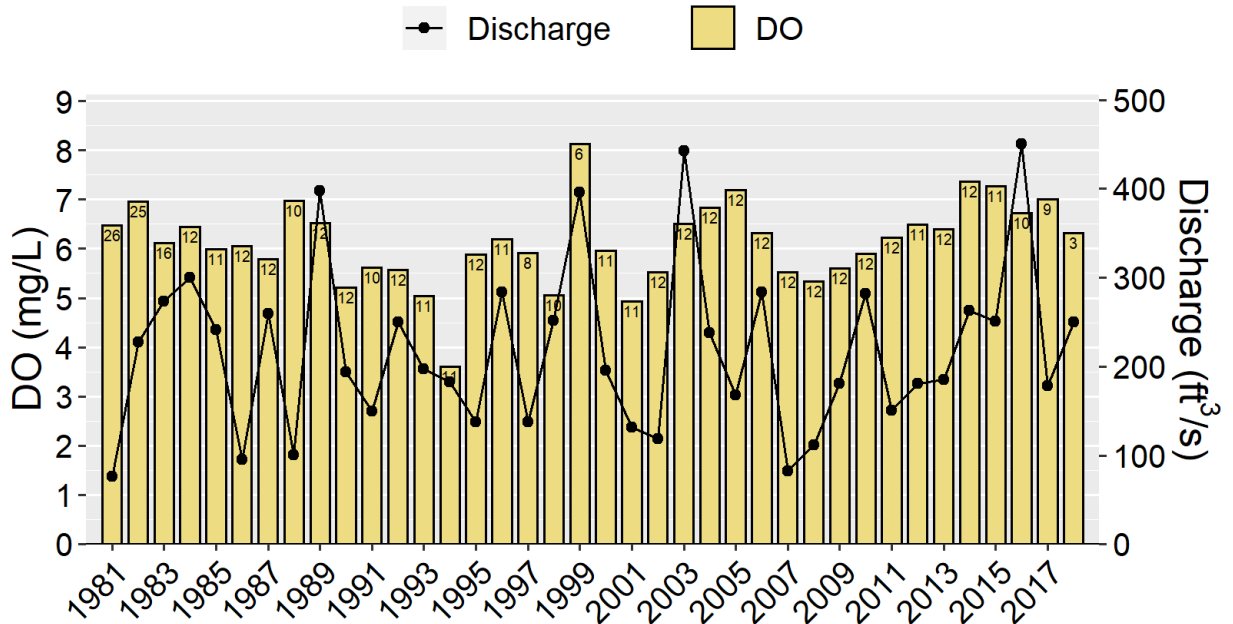
D4150000
Yearly Average Values



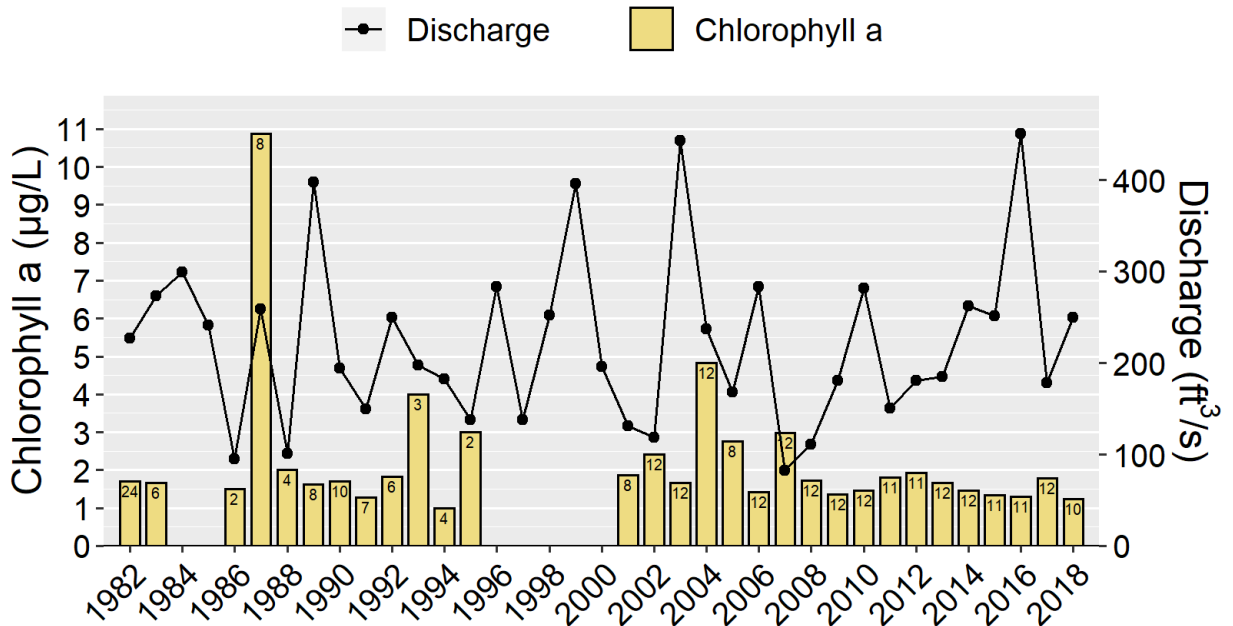
D4150000
Yearly Geometric Mean Values



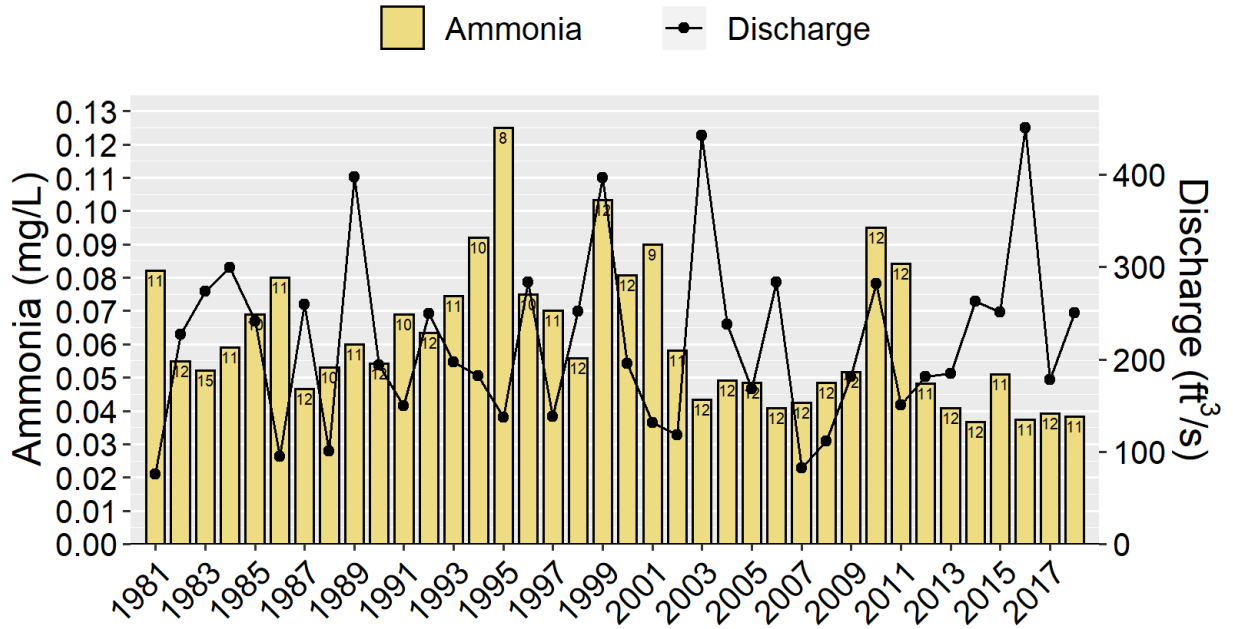
D4150000
Yearly Average Values



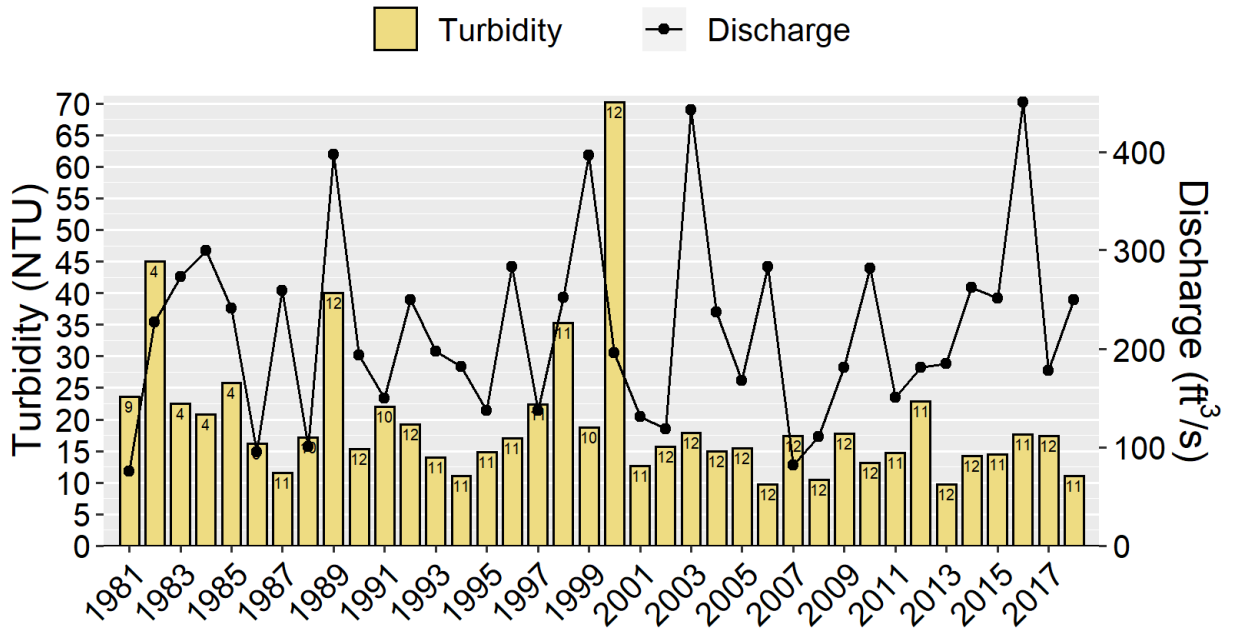
D4150000
Yearly Average Values



D4150000
Yearly Average Values



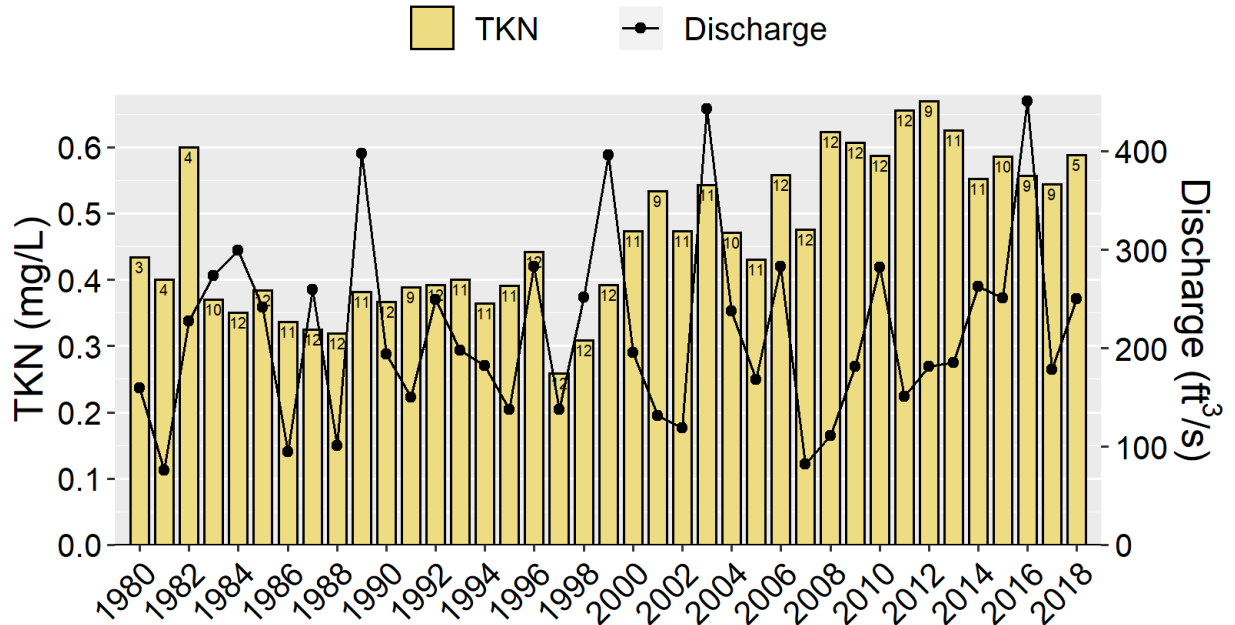
D4150000
Yearly Average Values



MEHERRIN RIVER AT SECONDARY ROAD 1175 PARKERS FERRY NEAR COMO Ambient Monitoring Station
 Water Quality Data with the Number of Samples Collected inside the Bar, Annual Weighted Means and
 Annual Median values with the Potecasi Creek Discharge from USGS Gage: 02053200.

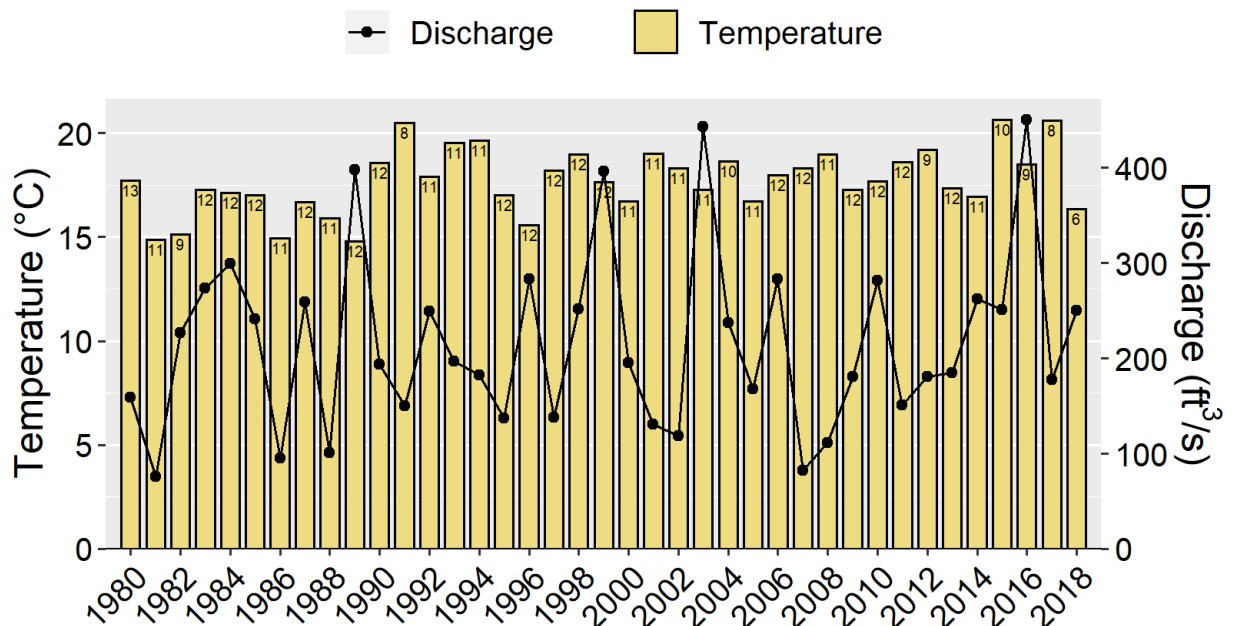
D5000000

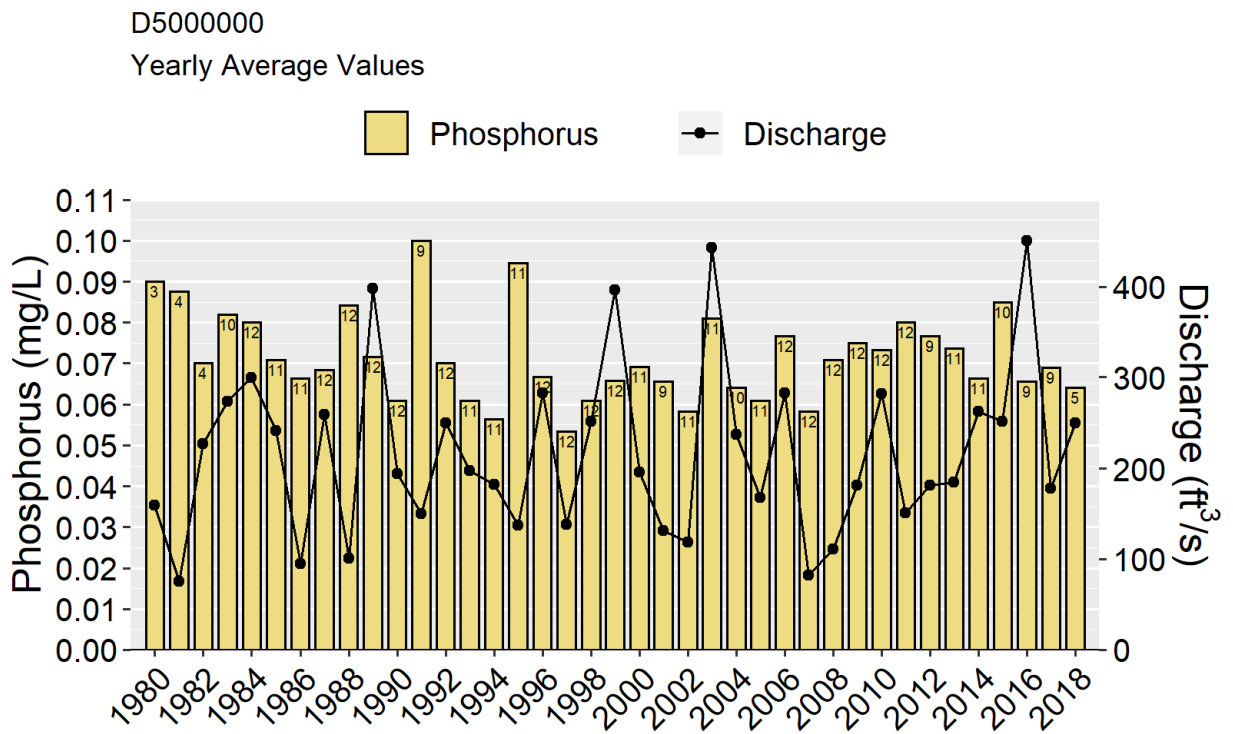
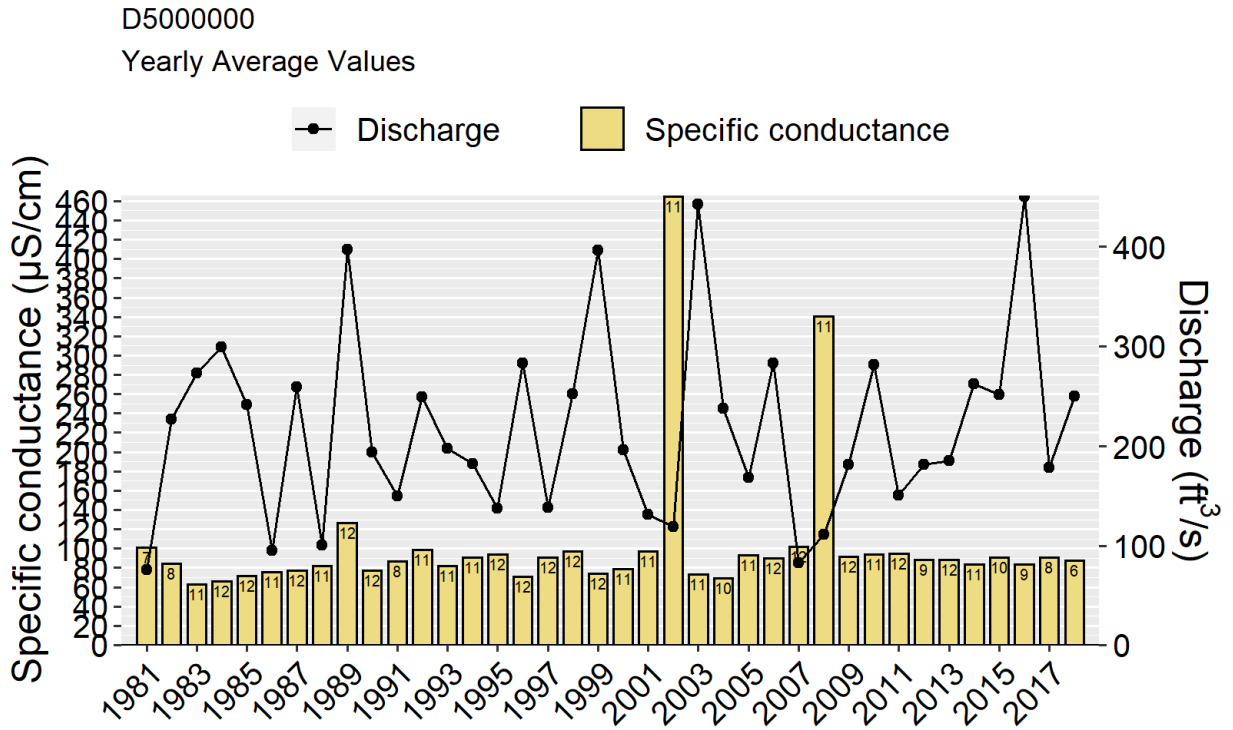
Yearly Average Values



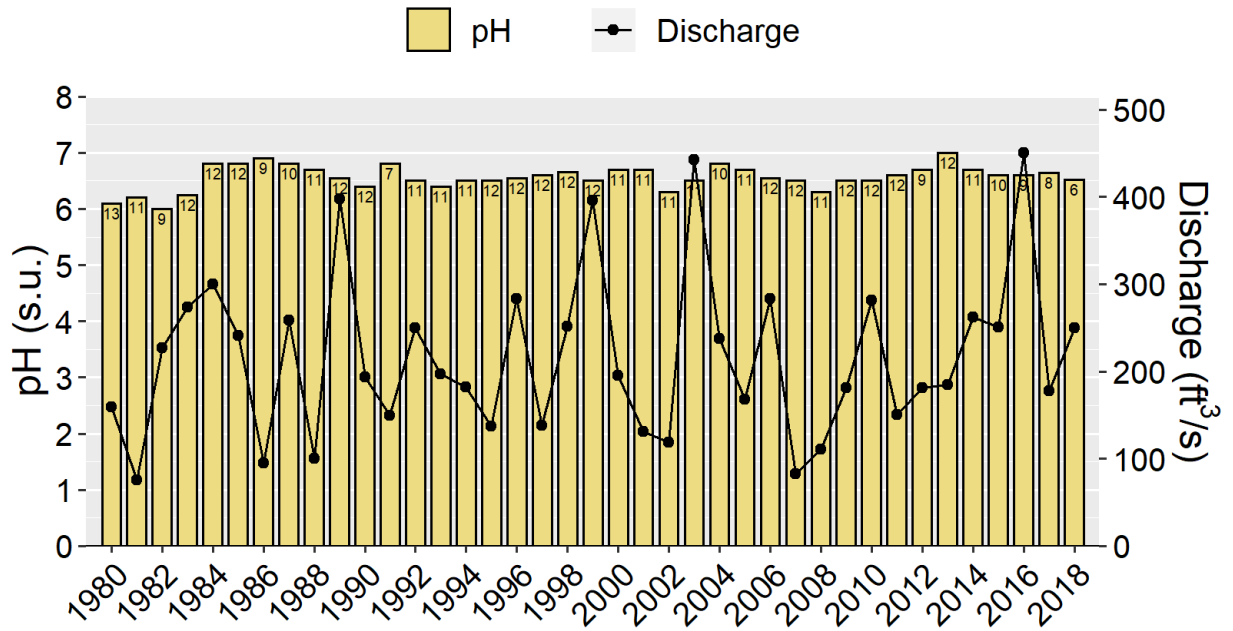
D5000000

Yearly Average Values

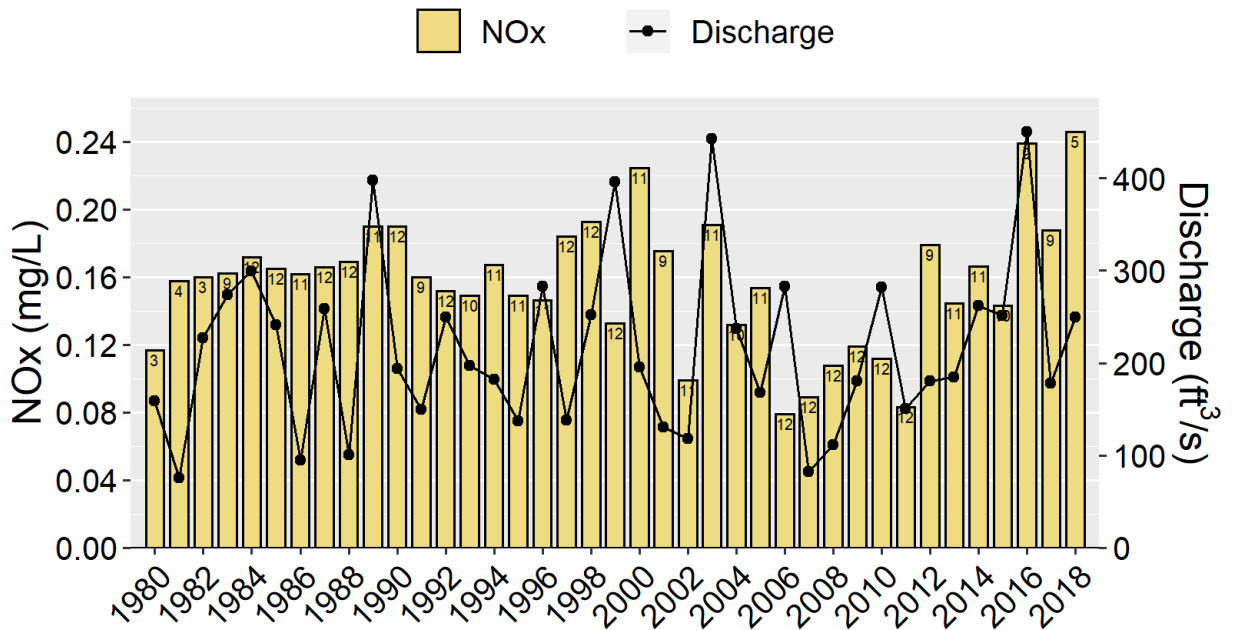




D5000000
Yearly Median Values

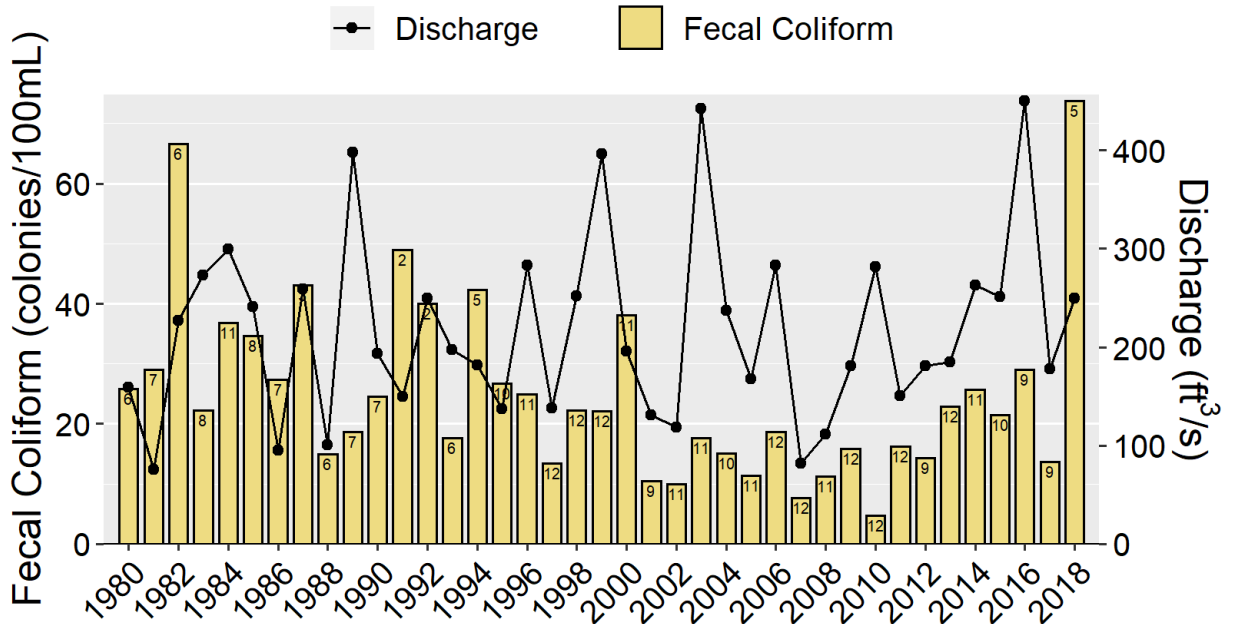


D5000000
Yearly Average Values



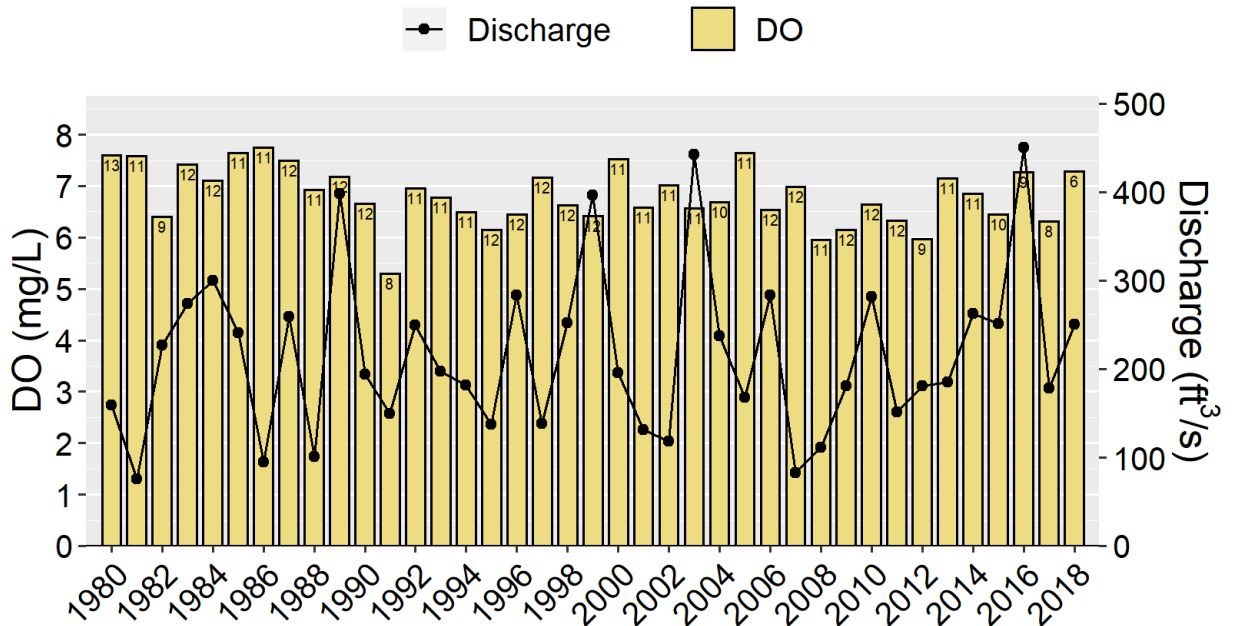
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Yearly Geometric Mean Values



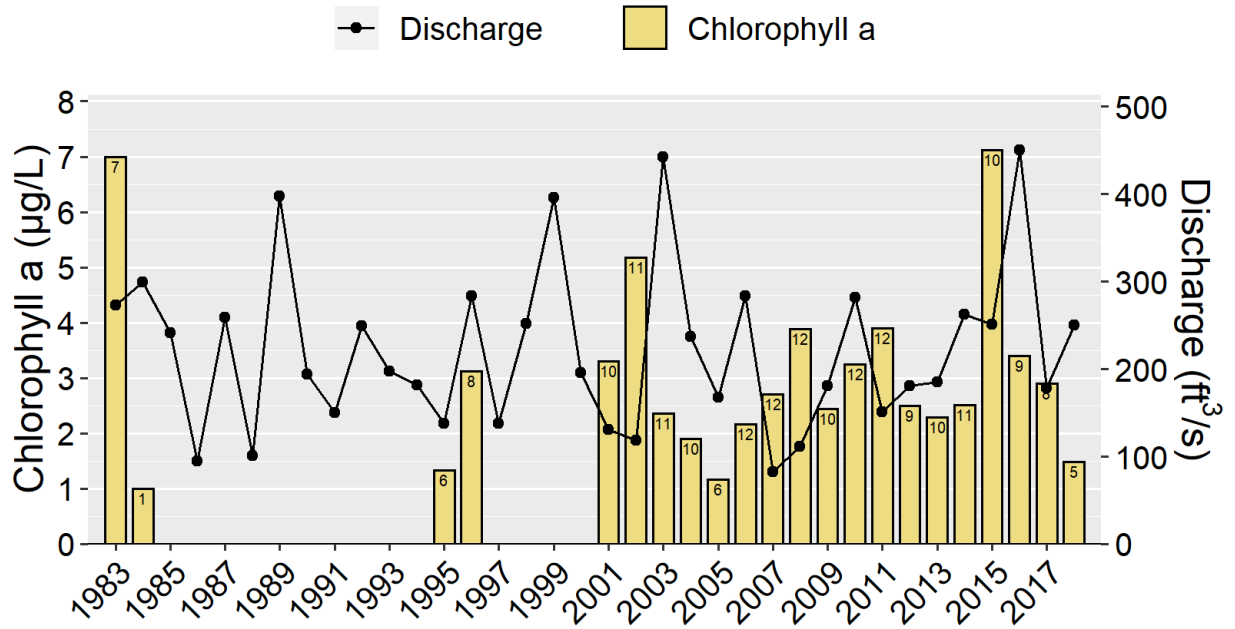
D5000000

Yearly Average Values



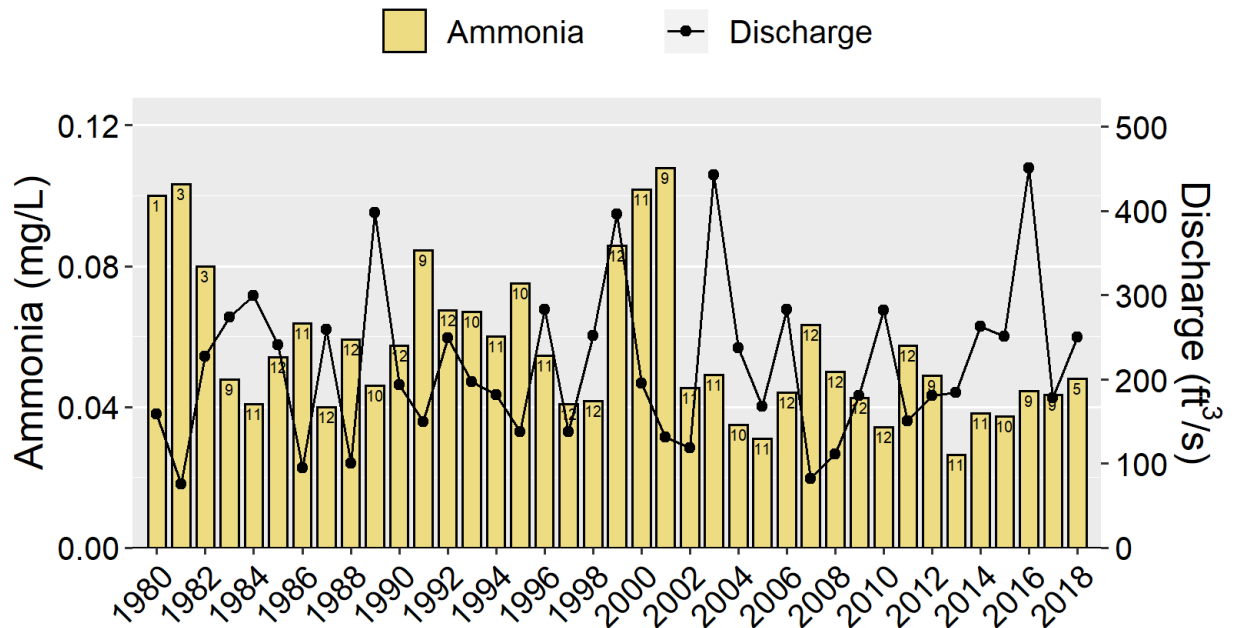
D5000000

Yearly Average Values



D5000000

Yearly Average Values



D5000000

Yearly Average Values

