

An Assessment of Diel Patterns in the East Fork Creek, Franklin, TN

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SUPPORTING INFORMATION



Figure S1. East Fork Creek sample site downstream at 35.9515437 N, -87.0156281 E, taken 06/03/22



Figure S2. East Fork Creek sample site upstream at 35.9515437 N, -87.015628 E, taken 06/03/22. The picture was taken from the same position as in Figure 1, but from a different perspective. The cable used to secure the EXO2 sensor can be seen across the rocks. The road shown in the upper right hand corner is the Big East Fork Road.



Figure S3. The EXO2 sonde placed in the water at 35.9515437 N, -87.015628 E, off of the bank the East Fork Creek for data collection, taken 06/03/22. The sensor is completely submerged in the water, but secured to the bank using multiple cables.

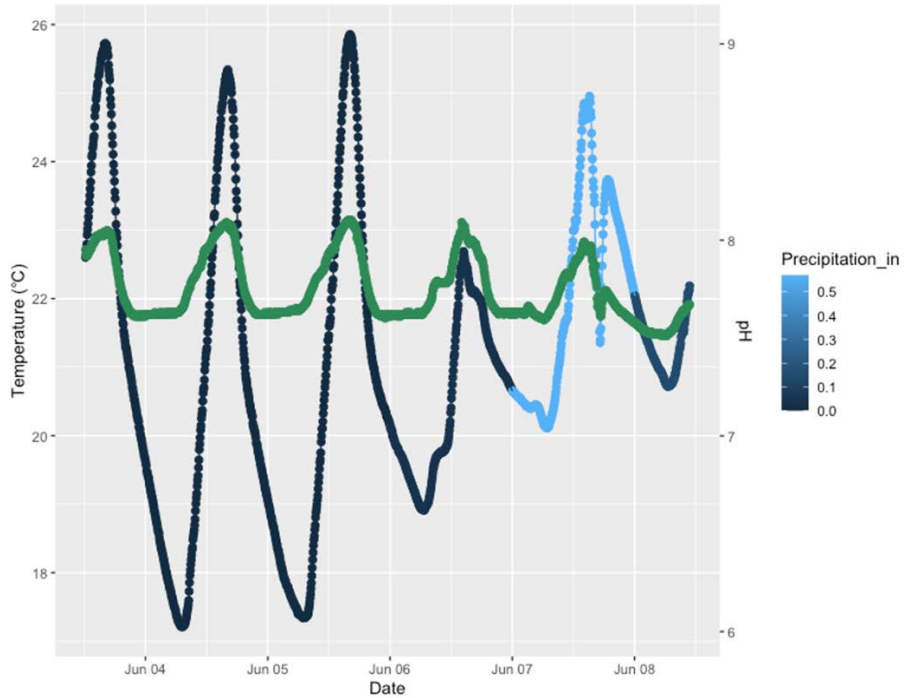


Figure S4. Graph of temperature (blue) and pH (green) from June 4-8, with color variations on the temperature line indicating the precipitation levels, v. Date, creating a diel cycle pattern. The pH values range from 7.5-8.1 and the temperature ranges from 17.2-25.9°C.

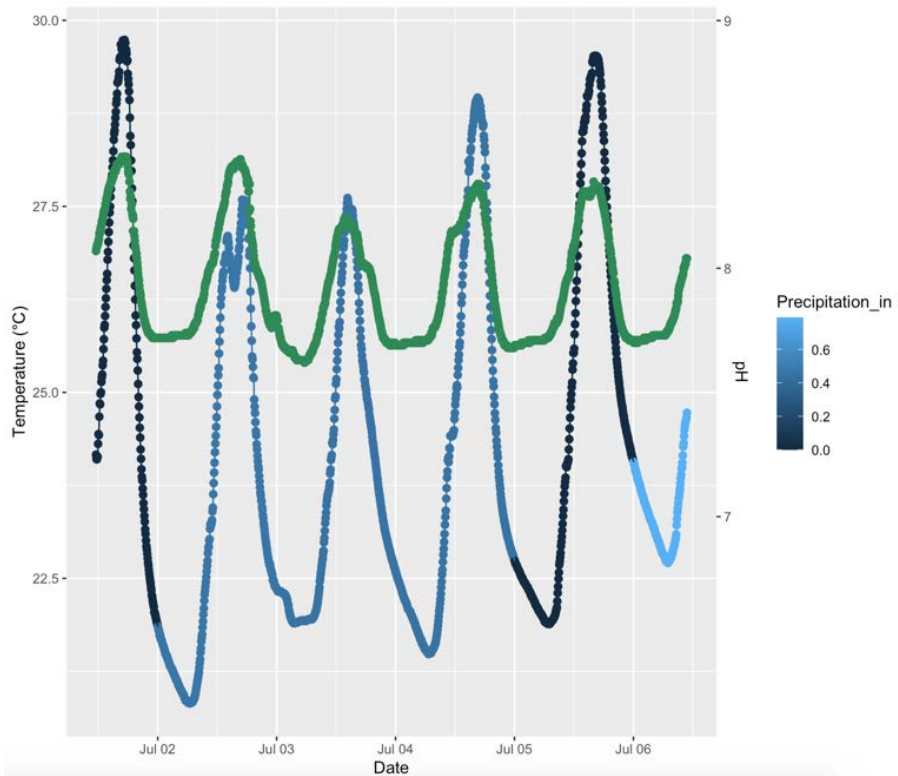


Figure S5. Graph of temperature (blue) and pH (green) from July 1-7, with color variations on the temperature line indicating the precipitation levels, v. Date, creating a diel cycle pattern. The pH values range from 7.62-8.45 and the temperature ranges from 20.8-29.7°C.

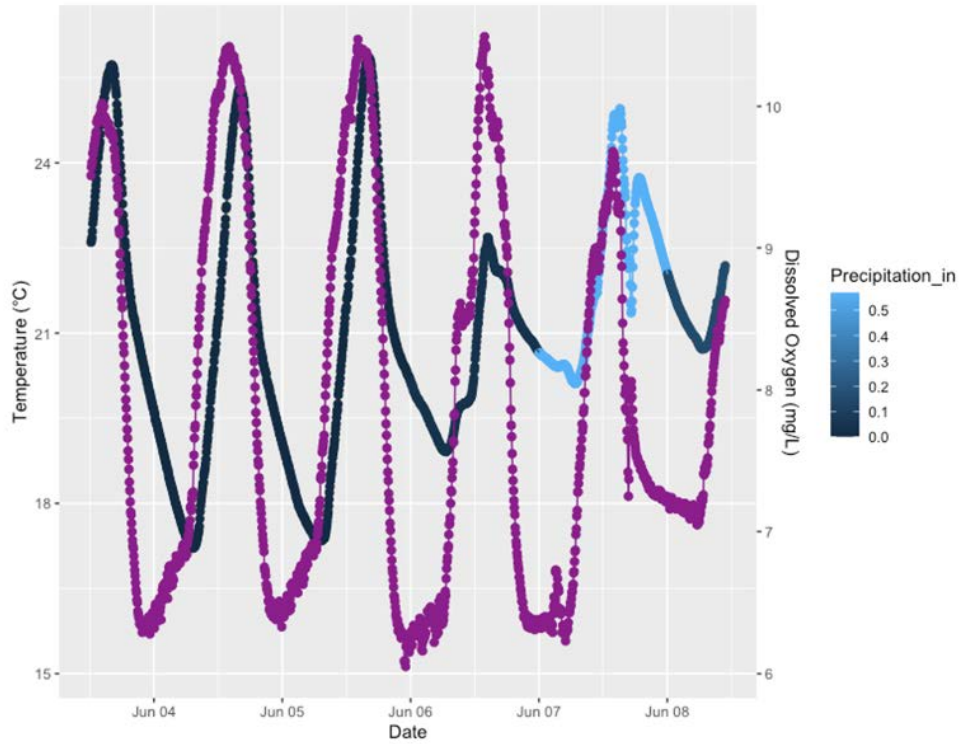


Figure S6. Graph of temperature (blue) and dissolved oxygen (purple) from June 4-8, with variations on the temperature line indicating precipitation levels, v. Date, creating a diel pattern. The dissolved oxygen values range from 6.05-10.49 mg/L and the temperature ranges from 17.2-25.9°C

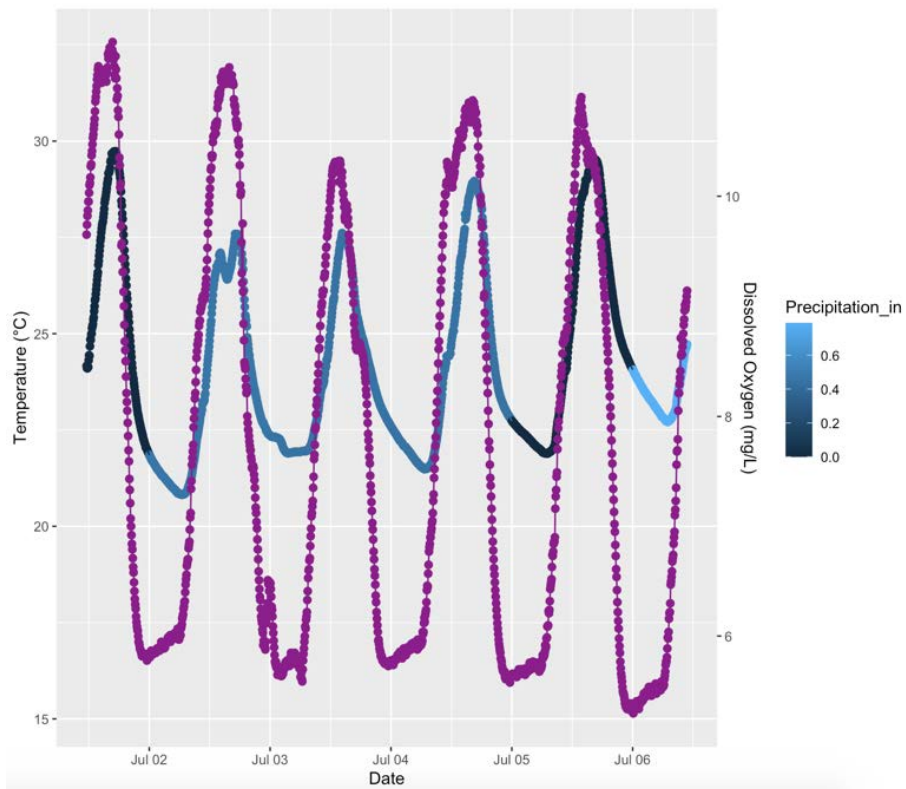


Figure S7. Graph of temperature (blue) and dissolved oxygen (purple) from July 1-7, with variations on the temperature line indicating precipitation levels, v. Date, creating a diel cycle pattern. The dissolved oxygen values range from 5.3-11.4 mg/L and the temperature ranges from 20.8-29.7°C.