

BITTERROOT MAINSTEM LONG-TERM NUTRIENT TRENDS MONITORING





UM Watershed Health Clinic

Project Partners



Monitoring Locations

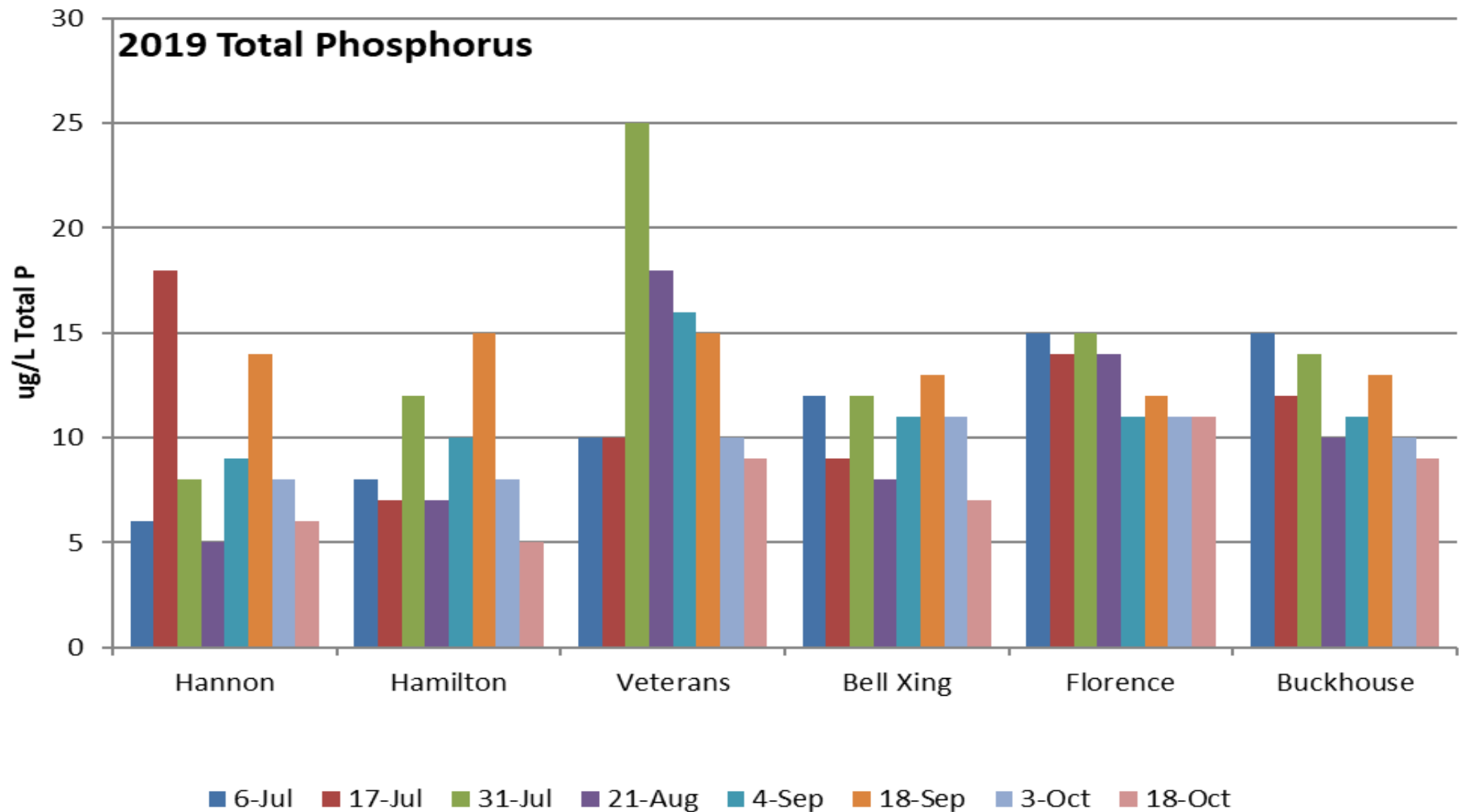
- Hannon Fishing Access – near confluence of East and West Forks
- Hamilton – Main Street Bridge
- Veterans Bridge – Just downstream of Hamilton (BRPA site)
- Bell Crossing – near Victor, MT
- Florence
- Buckhouse Bridge – south end of Missoula

Monitoring Parameters

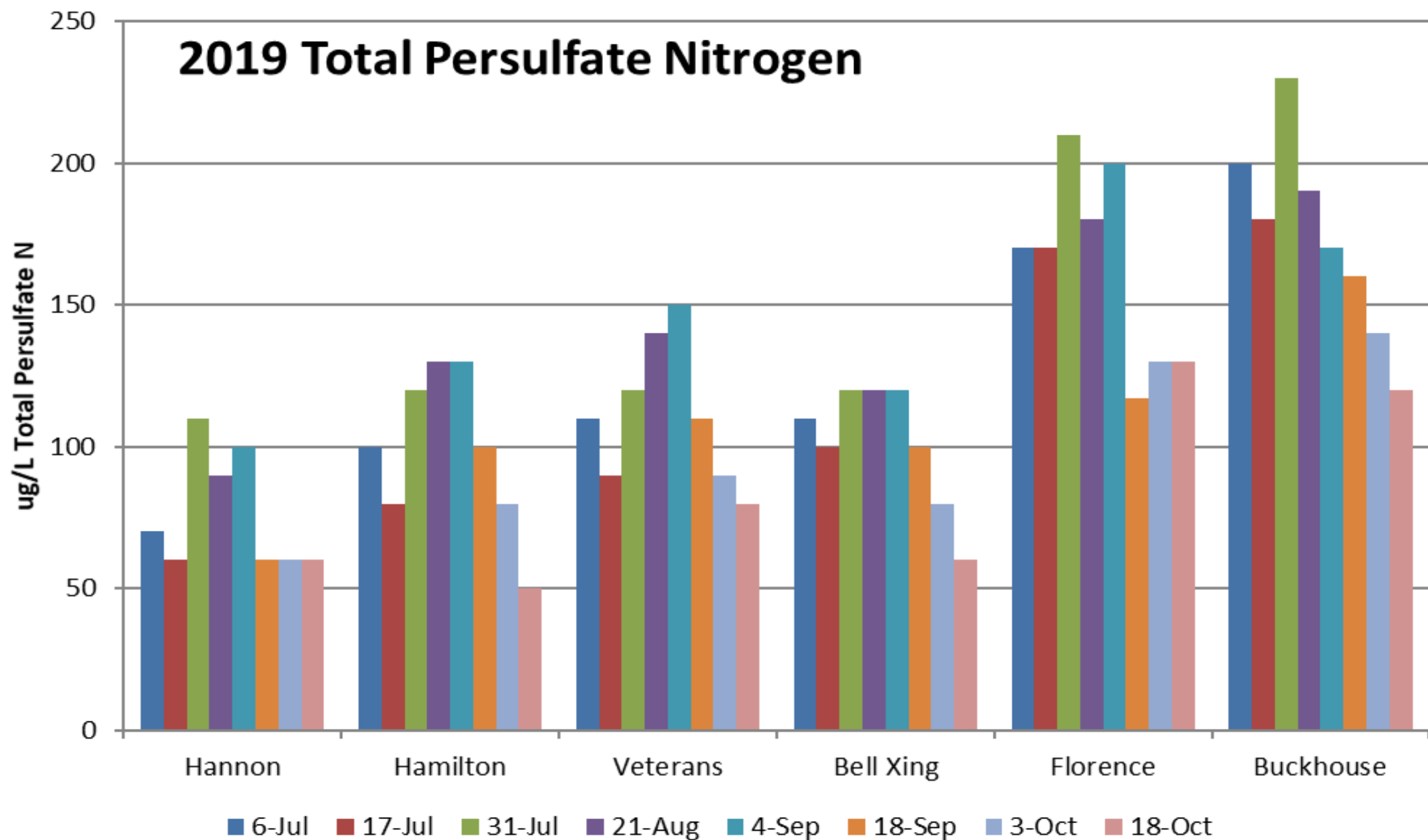
- Nutrients: Total Phosphorous, Soluble Reactive Phosphorous, Total Nitrogen, Nitrate/Nitrite Nitrogen, Ammonia
- Total Suspended Solids
- Benthic Algae: Chlorophyll a and Ash Free Dry Weight
- Field Parameters: Turbidity, Temperature, Dissolved Oxygen, pH, Conductivity

Schedule: Monitoring is conducted twice monthly, July through October

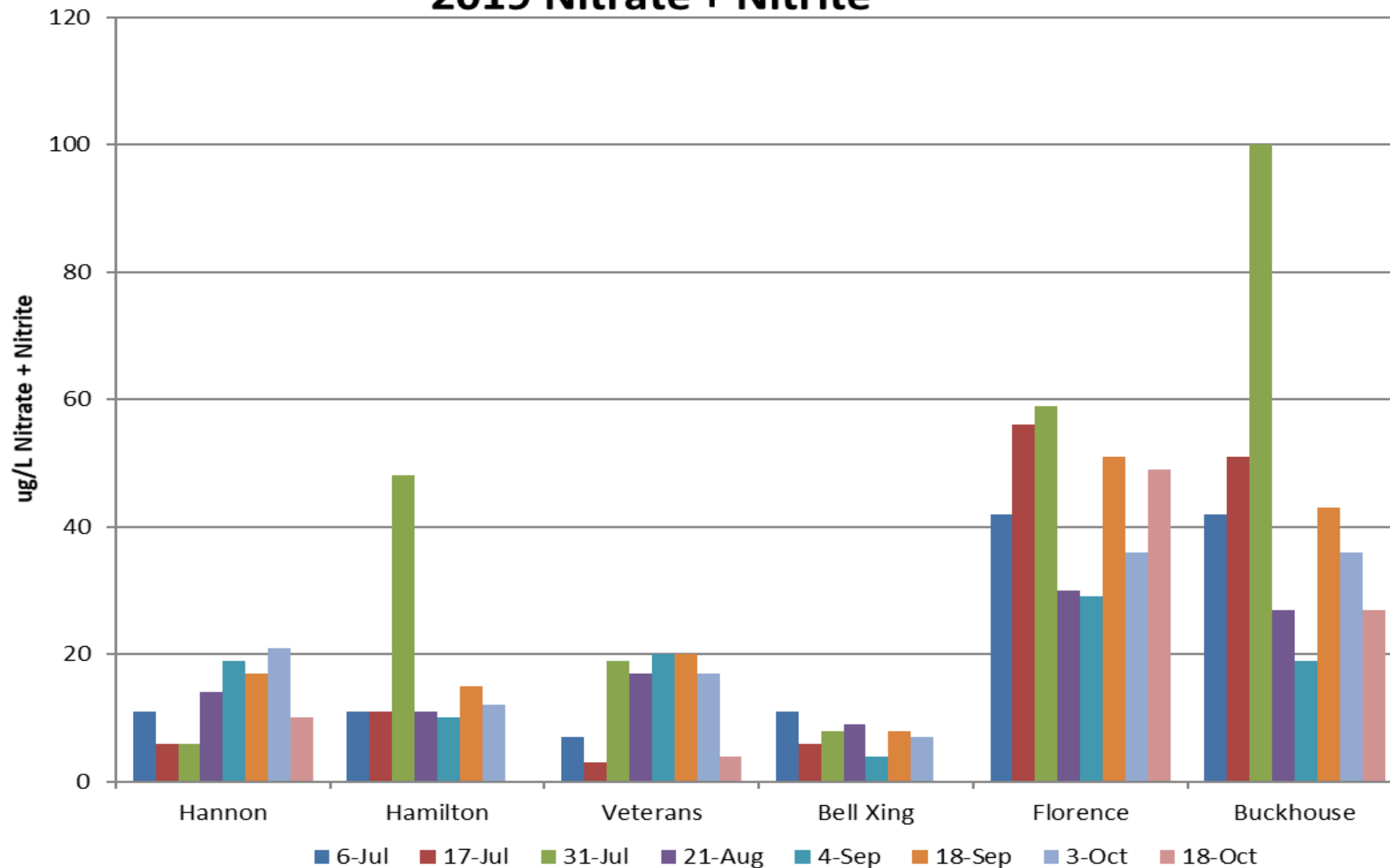
2019 Total Phosphorus



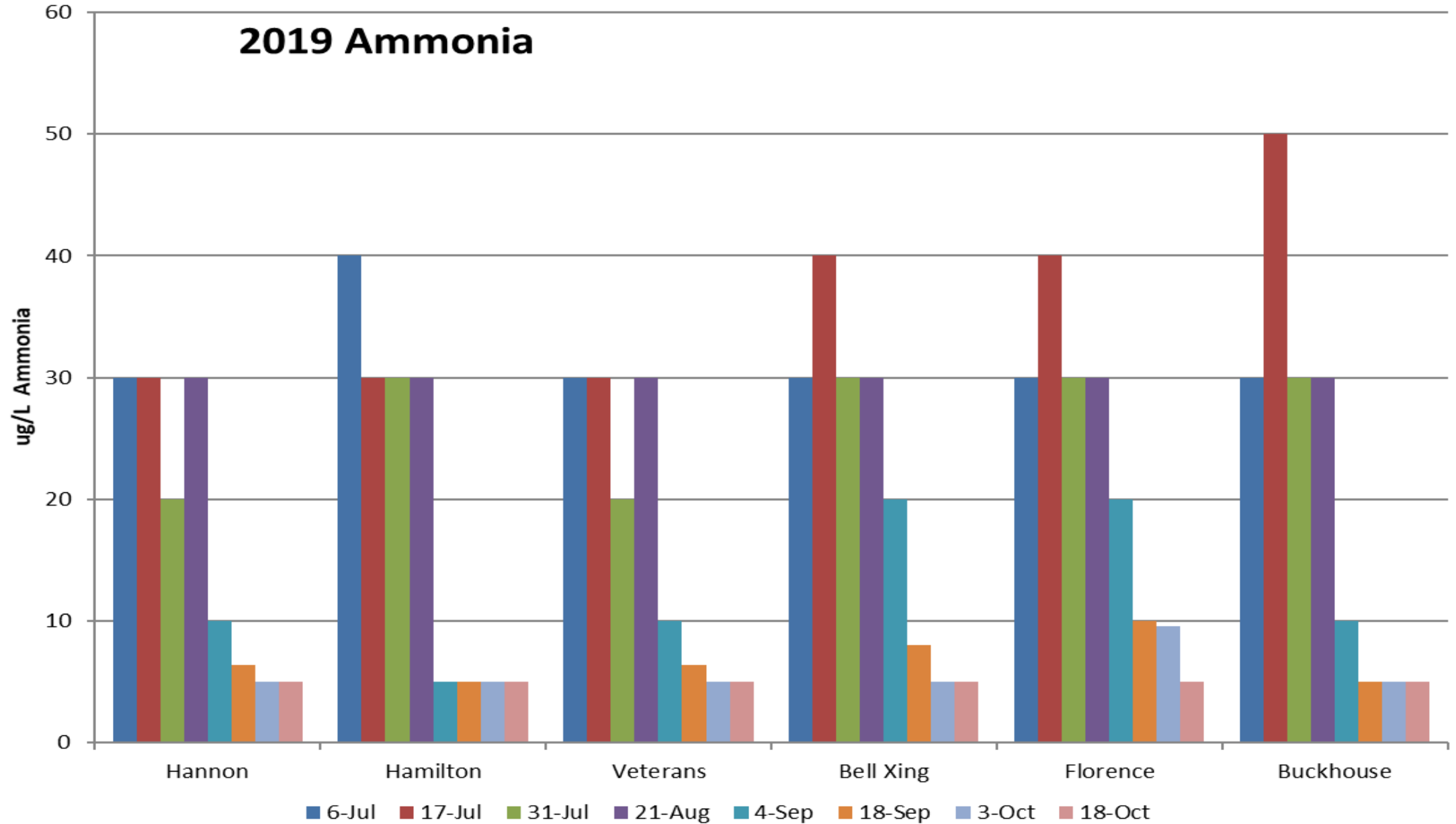
2019 Total Persulfate Nitrogen



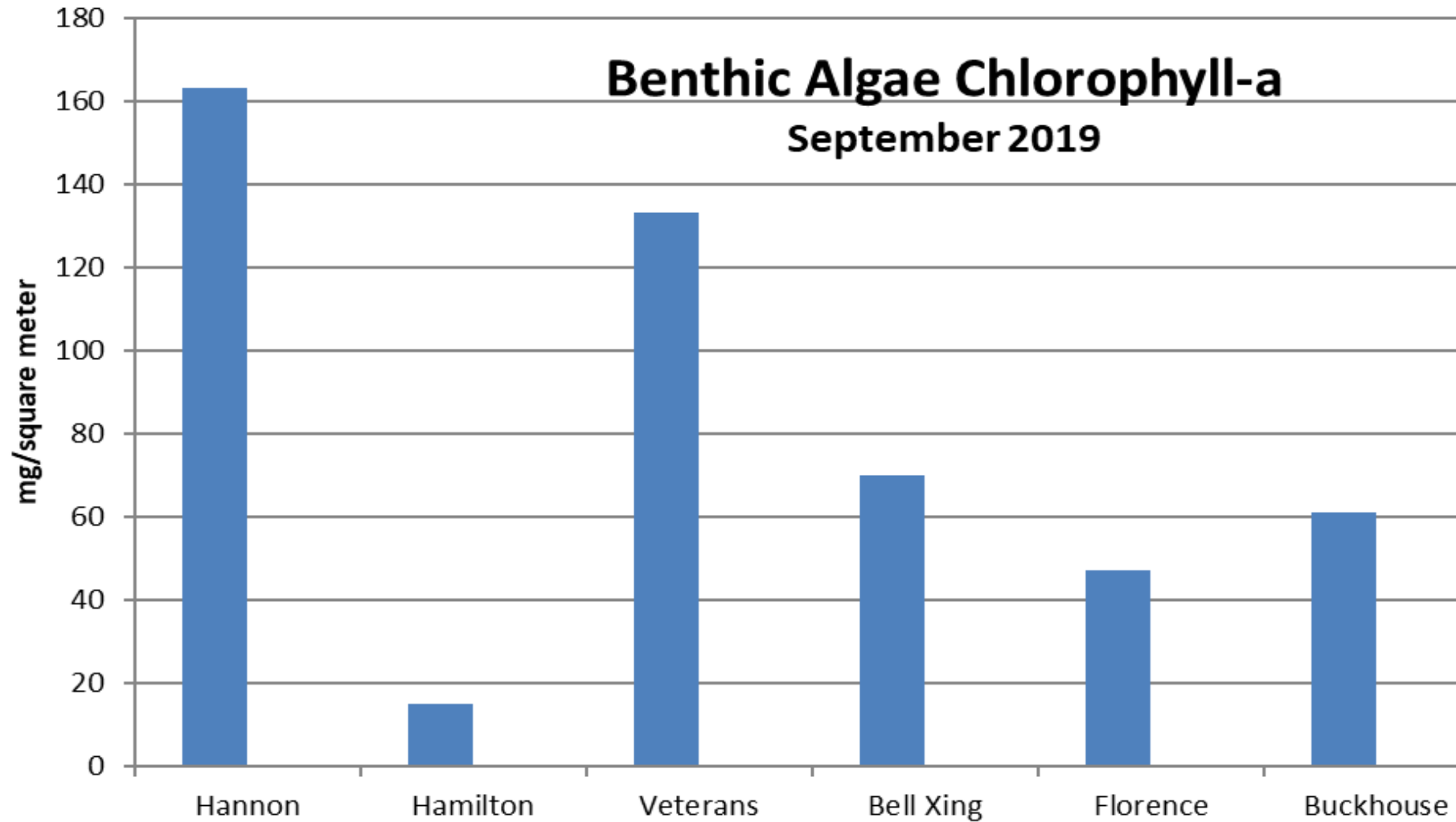
2019 Nitrate + Nitrite



2019 Ammonia



Benthic Algae Chlorophyll-a September 2019



Next Steps

- Prepare 2019 Monitoring Report (June 2020)
DEQ data. Others?
- Conduct 2020 Monitoring – repeat of 2019
- 5 Year Trends Report - 2023