6-23-22

Brainstorming list of next tasks:

- Continue work on the Mainstem GAM-based prototype
    - Cross Validation implementations (Elgin)
    - Experiments with increasing k-values & targeting flow improvements to times/places where we really want to capture the dynamics (Rebecca doing some work, Elgin)
    - Explore tide, temperature, wind as other variables to incorporate
    - Next: consider simulation phase for short-term temporal and spatial variability

- Bay-wide identify DO, salinity and temperature data sets beyond our fixed station monitoring (Tetra Tech?)
    - Map out time frames, locations, types of data
    - Identify which data is continuous in space and time and how we will access it/store it as needed
    - QA data as necessary/consider need for QA tools

- Start work on shallow-water DO variability – small tributary focus
    - Possibly target a small tributary with record of continuous data to explore how interpolation process will work there
    - Work on how interpolation in smaller system will be linked to the whole bay

- Start work on a larger tributary example and if mainstem GAM can be translated
    - Pick a tributary with intensive monitoring during some period (York or Potomac perhaps?)
    - Work on how interpolation in larger tributaries will be linked to whole bay

- Software
    - Start thinking of how this will scale up to the whole bay