

# *Cape Fear River Basin Nutrients and Dissolved Oxygen Modeling*

- DWR will be developing nutrient and DO models for the Deep and Middle Cape Fear Rivers
- Intensive monitoring to support model development Jan 2019-Dec 2020
  - Monitoring partners include the DWR central and regional offices and Middle and Upper Cape Fear River Basin Coalitions
  - DWR currently coordinating with coalitions to determine resource availability



# *Where? Modeling Spatial Extent*



## *WHY?*

- 1. Support NPDES permitting for nutrients.**
2. Potentially support nutrient criteria, as described in the North Carolina Nutrient Criteria Development Plan (NCDP).
3. Potentially provide information on existing impaired waters.