



Cape Fear River Partnership

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Environmental Health and Safety (EHS)

Environmental Sciences

- Water Resources
- Natural Resources
- Groundwater Science
- Instrumentation and Data Management
- Analytical Laboratory



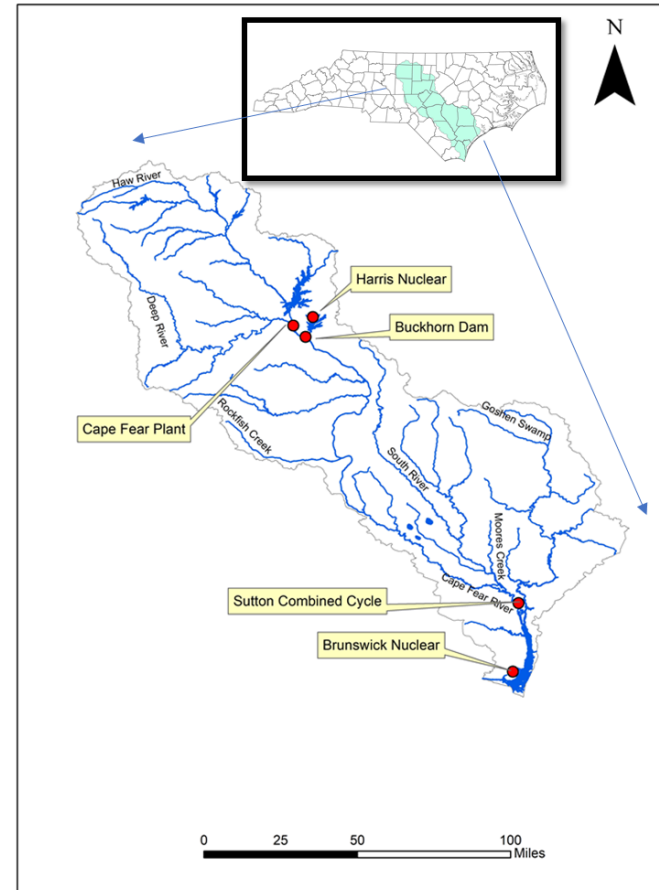
- I. Water Quality
- II. Water Chemistry
- III. Biological Monitoring



Cape Fear River Basin

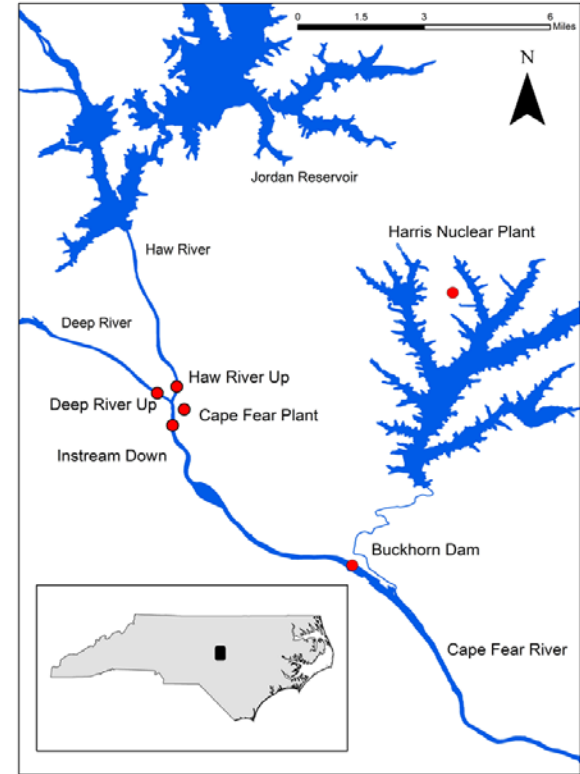
Duke Energy Plants

- Retired – Cape Fear Plant
 - Coal fired until retired
- Harris Nuclear
- Sutton Combined Cycle
 - Coal fired converted to natural gas in 2013
- Brunswick Nuclear



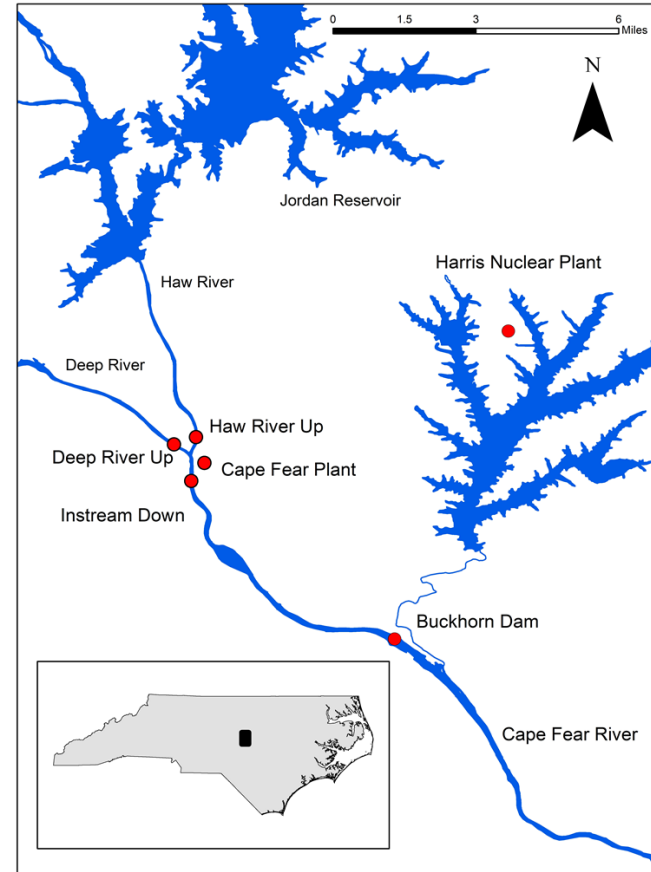
Cape Fear Plant

- Monthly instream water chemistry sampling at 4 stations (Deep River, Haw River, Up and Down stream of discharge)
- Annual fish tissue monitoring at 3 stations (summer or early fall)



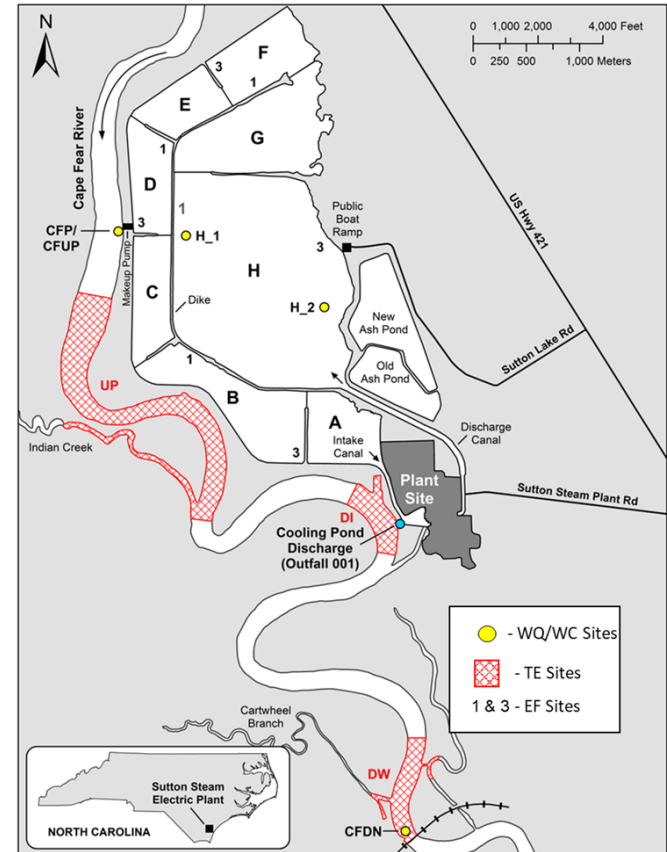
Harris Nuclear Plant

- Collect EnRad samples April and October above Buckhorn Dam.
- Sunfish, Black Bass and Catfish



Sutton Combined Cycle

- Fish Tissue Monitoring
 - Annually within Cape Fear River
- Semi-annual instream monitoring – water quality and water chemistry.
 - Typically March and October ~ 120 days apart



Brunswick Nuclear

- Monthly – Impingement and Entrainment Sampling

