Hoosier Dam Removal Project by: Angela Allen & John Hutton

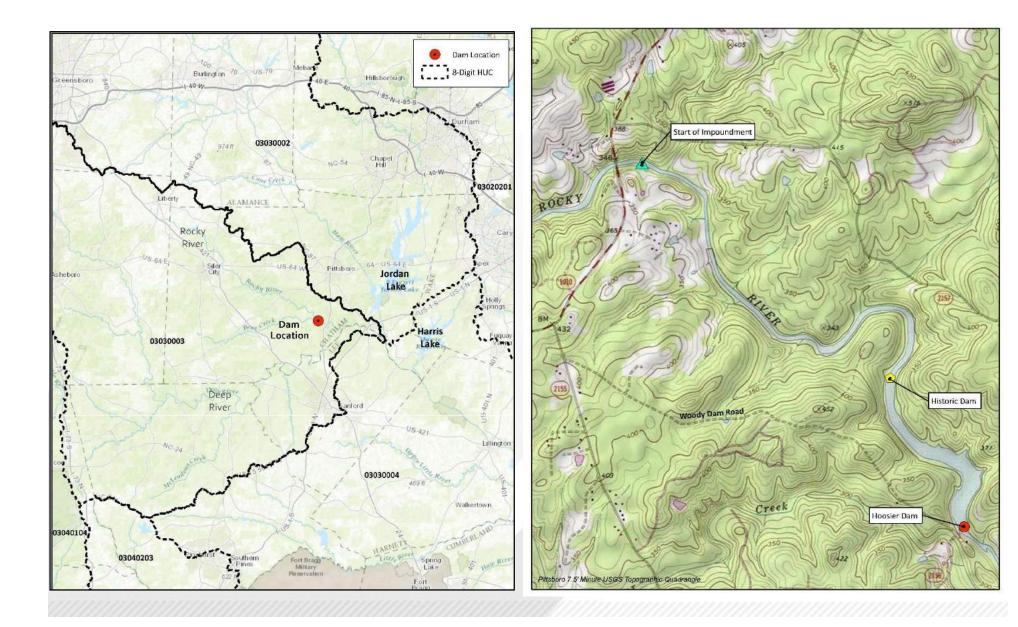




Project Funded by National Fish and Wildlife Foundation Grant

Rocky River, Chatham County, NC





Hoosier Dam/ Woody Dam

- Built in 1922
- Hydroelectric dam
- Concrete and buttress dam with hydroelectric powerhouse
- 235 feet long, average height 25 feet.
- Impounds >16,000 LF Rocky River and >2,000 LF tributaries





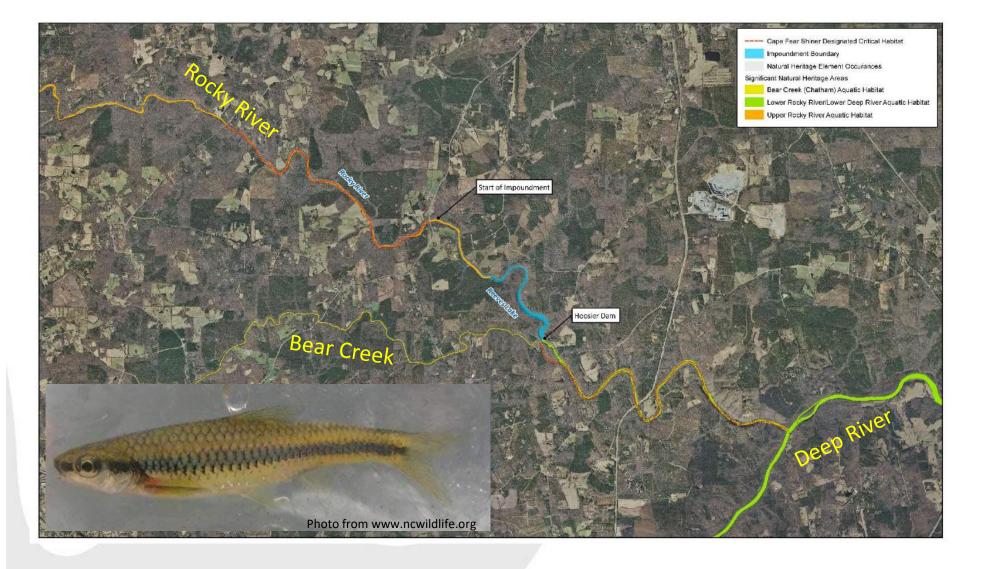




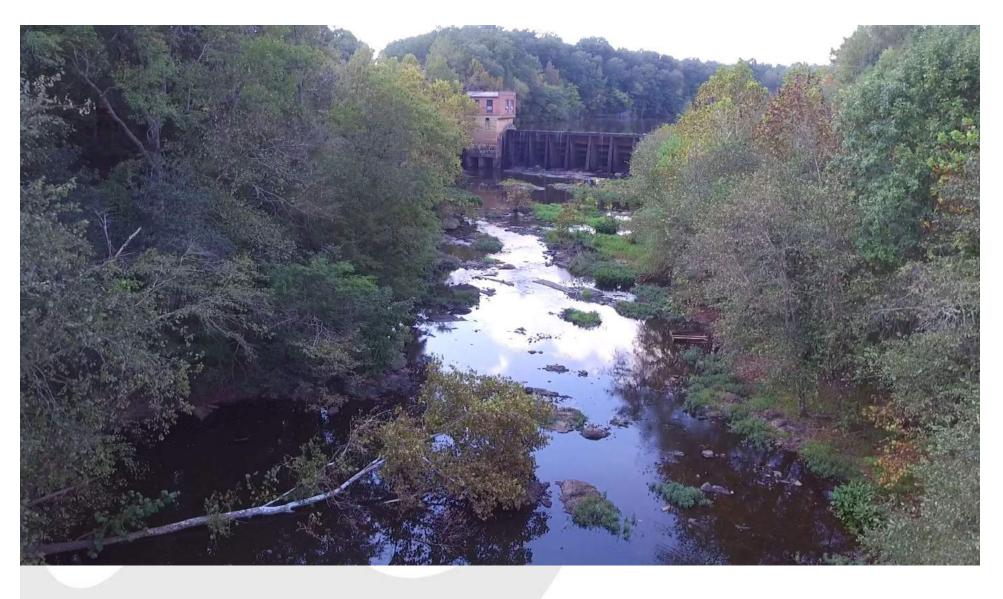


Critical Habitat Area for the Cape Fear Shiner









Project Timeline

- Water Quality Analysis July to September 2013
- Geomorphic Assessment July 2015
- Wetland Delineation July 2016
- Grant Start January 201
- Pre-Application Meeting March 2017.
- Tier 1 Sediment Report September 2016, reissued March 2017
- Biological Assessment May 2017
- Dewatering of Impoundment/FERC exemption June 2017
 - Permitting March 2017 to 'Sometime in the Future'
- Dam Removal October 2018?

All the Permits a PM Could Wish For.....

- USACE/NCDWR Nationwide 53 (Dam Removal), Nationwide 27 (Restoration)
 - USFWS Section 7 Consultation/Biological Opinion
- NCSHPO Historical/Archaeological Approva
- FERC Drawdown Request, Surrender of FERC exemption
- FEMA Dam removal is exempt from modeling, but site will require no-rise, LOMR
- NCDEQ Erosion and Sediment Control Permit



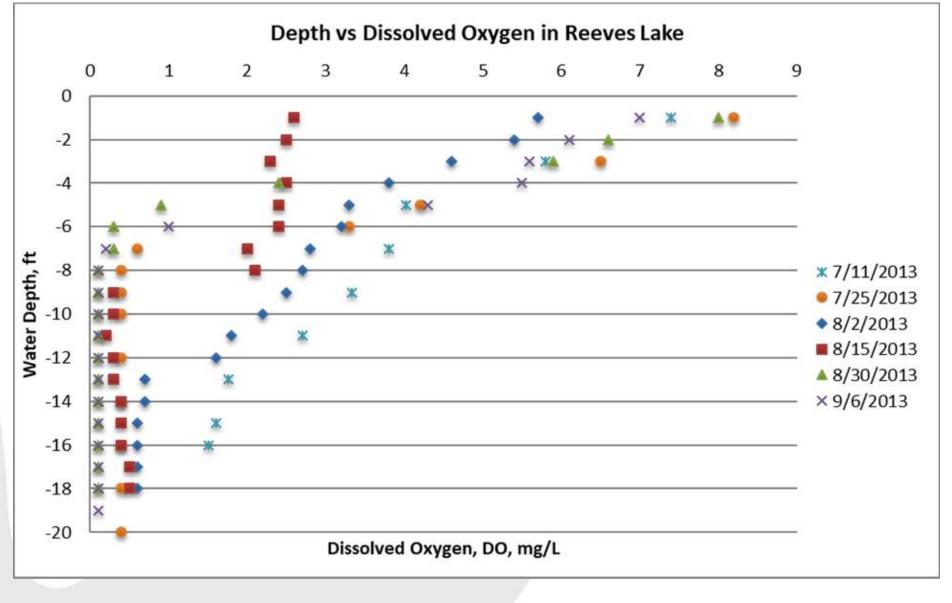


Water Quality Sampling

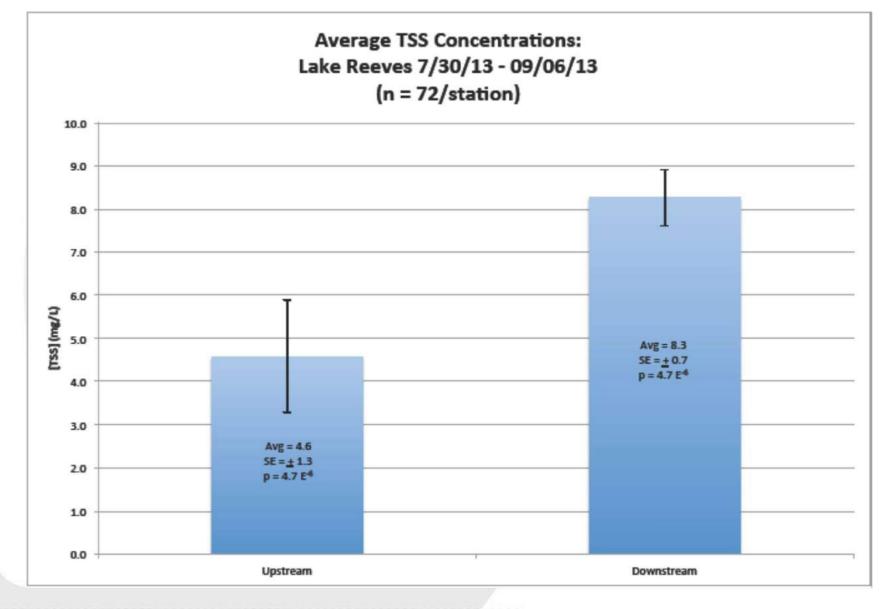












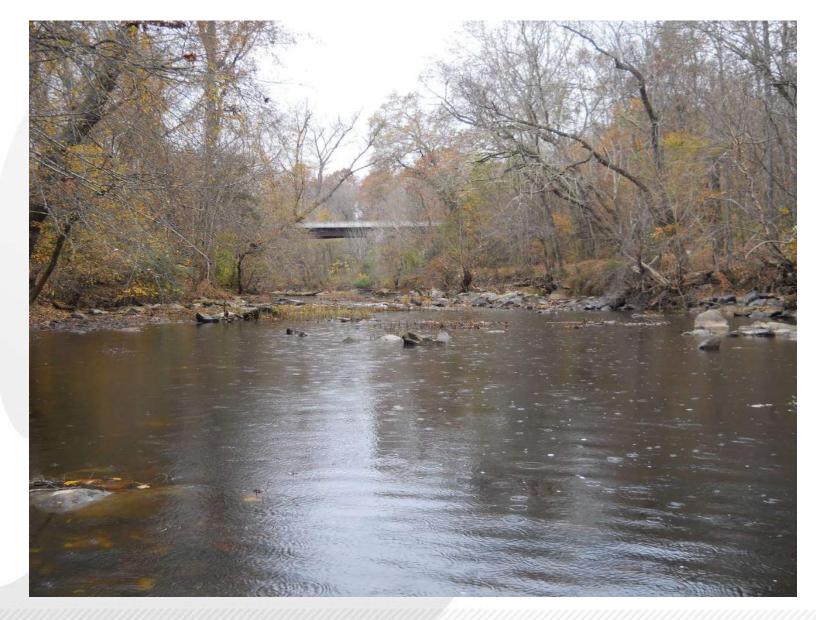
Wetlands





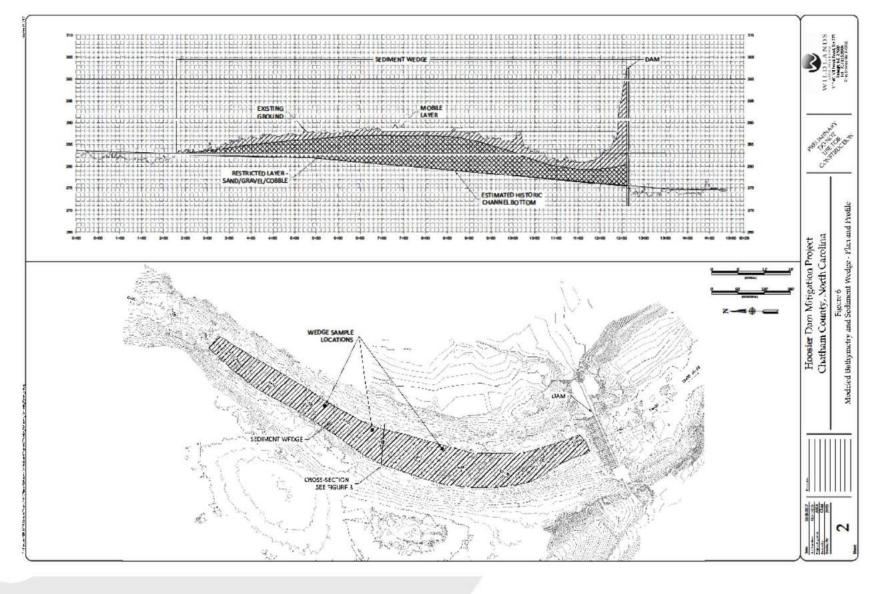
Tributary Stability









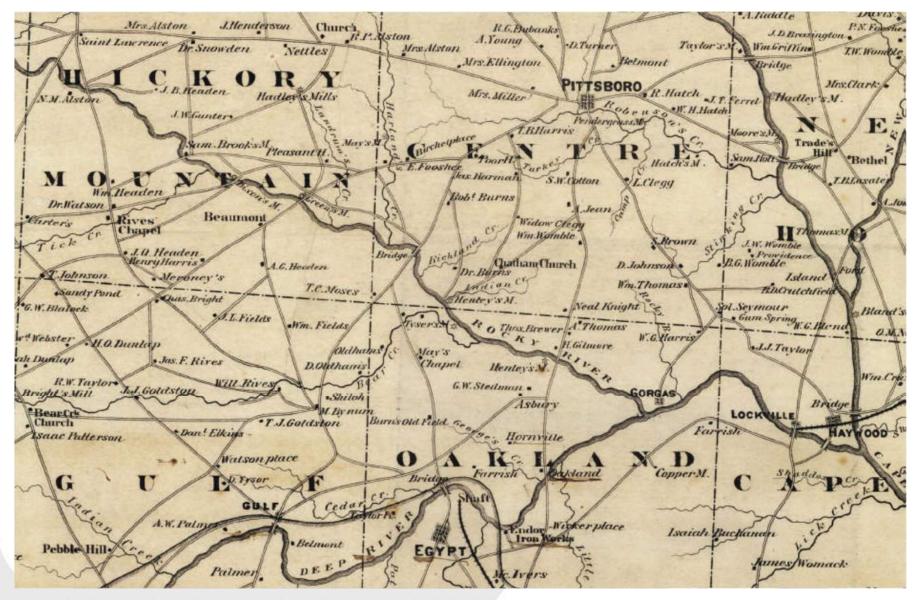












Some Day.....





Questions



