Kerr McGee Phase I Restoration: Project Updates

Krista McCraken, Case Team Lead

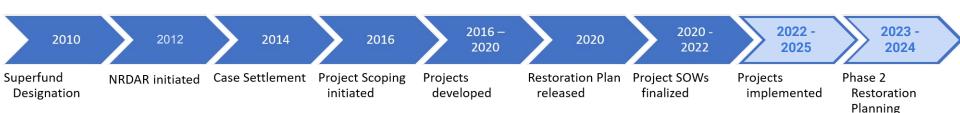
Natural Resource Trustee Council

NOAA Restoration Center

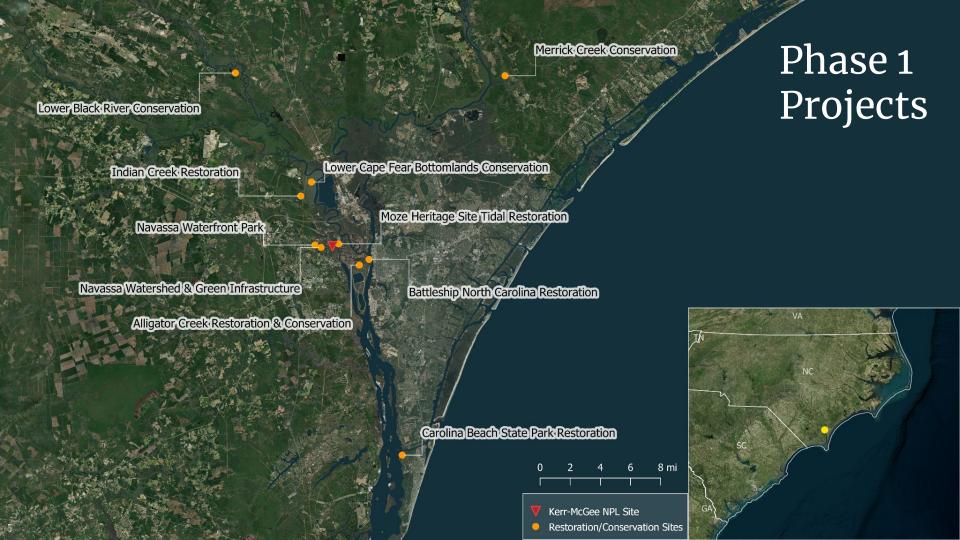


Kerr McGee: Natural Resource Damage Assessment & Restoration (NRDAR)

- 2012 NRDAR process initiated
- \$23M recovered for restoration of injured natural resources & services
- Final Phase 1 Restoration Plan Released June 2020
- Late 2020 Present
 - Updating project timelines and budgets
 - Finalizing awards, Implementing projects

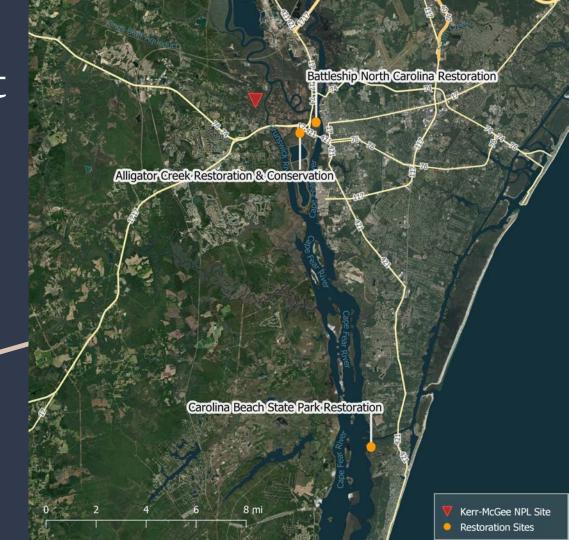


Project Lead Organization	Debris Removal	Wetland Restoration	Oyster Restoration	Shoreline Stabilization	Invasive Species Management	Conservation	Public Access
Alligator Creek Restoration and Conservation							
Unique Places to Save							
Battleship North Carolina Restoration							
USS NC Battleship Commission							
Carolina Beach State Park Restoration							
NC Coastal Federation							
Lower Cape Fear Bottomlands Conservation							
NC Coastal Land Truste							
Lower Black River Conservation							
The Nature Conservancy							
Merrick Creek Conservation	13						
The Nature Conservancy							
Indian Creek Restoration							
Town of Navassa							
Navassa Waterfront Park							
Town of Navassa							
Moze Heritage Site Tidal Restoration							
Town of Navassa							
Navassa Watershed and Green Infrastructure							
Town of Navassa							



Restoration Project Updates:

Alligator Creek
Battleship North Carolina
Carolina Beach



Alligator Creek Restoration & Conservation Unique Places to Save

Goals: Re-establish hydrology along Alligator Creek (Eagle Island), restore marsh; public access and outreach.

- Through Summer 2022: Baseline assessment, property acquisition
- Through Dec 2022: E&D, continued partner coord.
- Jan April 2023: Permitting, partner coord. Pre-construction monitoring
- Fall 2023: Site preparation for construction
- Fall 2023 Spring 2024: Construction



"Living With Water" Battleship NC Restoration Battleship North Carolina

<u>Goals</u>: Restore marsh and shoreline, stormwater BMPs, education and outreach



- Summer Fall 2022: E&D, Permitting
- Fall Winter 2022: Final Construction
 Plans, Bidding, Contractor Selection
- Jan July 2023:Restoration
- Aug 2023-Nov 2025:
 Post-Restoration Monitoring
- Ongoing: Outreach

Updated Design as of Sept 2021

Carolina Beach State Park Restoration NC Coastal Federation

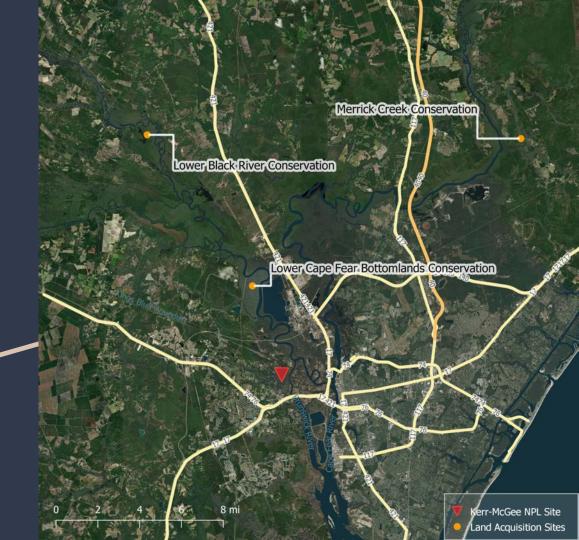
Goals: Create benthic habitat, restore hydrologic and ecological function to degraded marsh

- 2021-June 2022: Project Design for oyster, shoreline and marsh projects; permitting
- May Dec 2022: Oyster/shoreline project construction, marsh restoration permitting, invasive species components
- Jan March 2023: marsh restoration construction

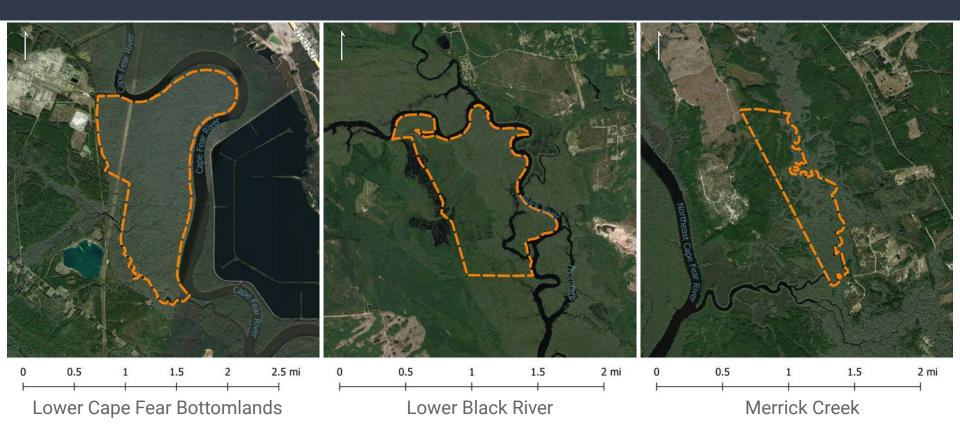


Land Acquisition Project Updates:

LCF Bottomlands Lower Black River Merrick Creek



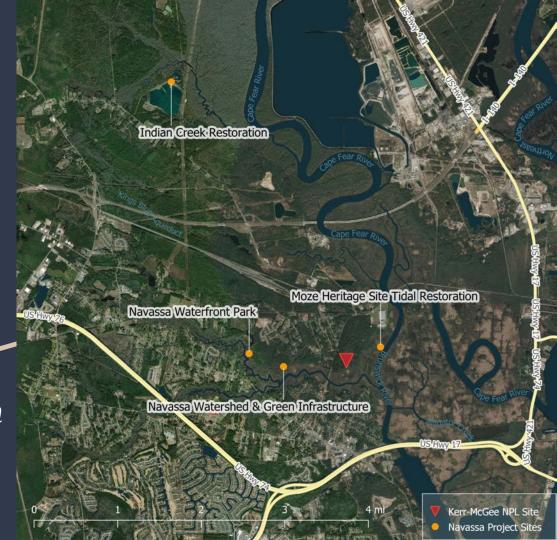
Land Acquisition Projects



Navassa Project Updates:

Indian Creek
Navassa Waterfront Park
Moze Heritage Site Tidal
Restoration

Navassa Watershed & Green Infrastructure



Indian Creek Restoration

Goals: Restore, enhance, and conserve multiple habitat types along Cape Fear River tributary; public access



- Jan 2022: Land Acquisition [COMPLETE]
- Jan Sept 2022: Final Design, Permitting
- May Aug 2022: Bush hogging, site prep, access road
- Sept- November 2022: Moll's Creek restoration
- Dec Feb 2023: Trail, pedestrian bridge,
 Hall Landing ramp improvements
- Jan Feb 2023: Clark Landing improvements

Navassa Waterfront Park Restoration

Goals: Conserve tidal wetland along Sturgeon and Mill Creeks, public access



- Jan 2022: Land Acquisition [COMPLETE]
- Jan Sept 2022: Final Design, Permitting
- May August 2022: Bush hogging, site prep, access road
- September Oct 2022: Signage
- Nov Jan 2023: Water access features
- Jan Feb 2023: Pier installation

Moze Heritage Site Tidal Restoration

<u>Goals:</u> Conserve riparian buffer forest; enhance and preserve wetland habitats; provide public access and education resources

- 2022: Finalize Land Donation
- Early 2023: Site Assessment/Evaluation
- Winter 2023: Design and Permitting
- Spring/Summer 2023: Mobilize construction



Navassa Watershed and Green Infrastructure

Goals: Develop and implement comprehensive watershed management plan, conserve and restore riparian wetlands and buffers

- Jan June 2022: Partnership coordination, watershed characterization
- June Nov 2022: Watershed Plan Development
- Dec March 2023: Pilot Project acquisitions,
 E&D
- 2022 2023: Sturgeon Creek/Redmon Creek Feasibility Assessment



Next Steps

- Near-term focus on the efficient and thoughtful implementation of Phase I projects
 - Construction activities projected through 2023 monitoring through 2025
- Employ an adaptive and flexible approach
- Phase II project scoping and restoration plan development tentatively planned for 2023-2024
 - Informal project submissions accepted at any time
- Improved resources and opportunities for communication

Natural Resource Trustees

NOAA

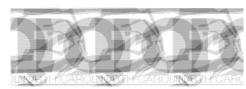
- Krista McCraken
- Ian Rossiter
- Howard Schnabolk
- Christina McDonald (NOAA Counsel)

US Fish and Wildlife Service

- Sara Ward
- Genette Gaffney (DOI Counsel)

NCDEQ

- Carolina Fonseca Jimenez
- Anjie Ackerman
- Doug Ansel (NCDEQ Counsel)







https://darrp.noaa.gov/hazardous-waste/kerr-mcgee-chemical-corp-tronox

