KERR-MCGEE SITE: NRDAR UPDATE

Cape Fear River Partnership Annual Meeting
Wilmington, North Carolina

Natural Resource Damage Assessment and Restoration (NRDAR)

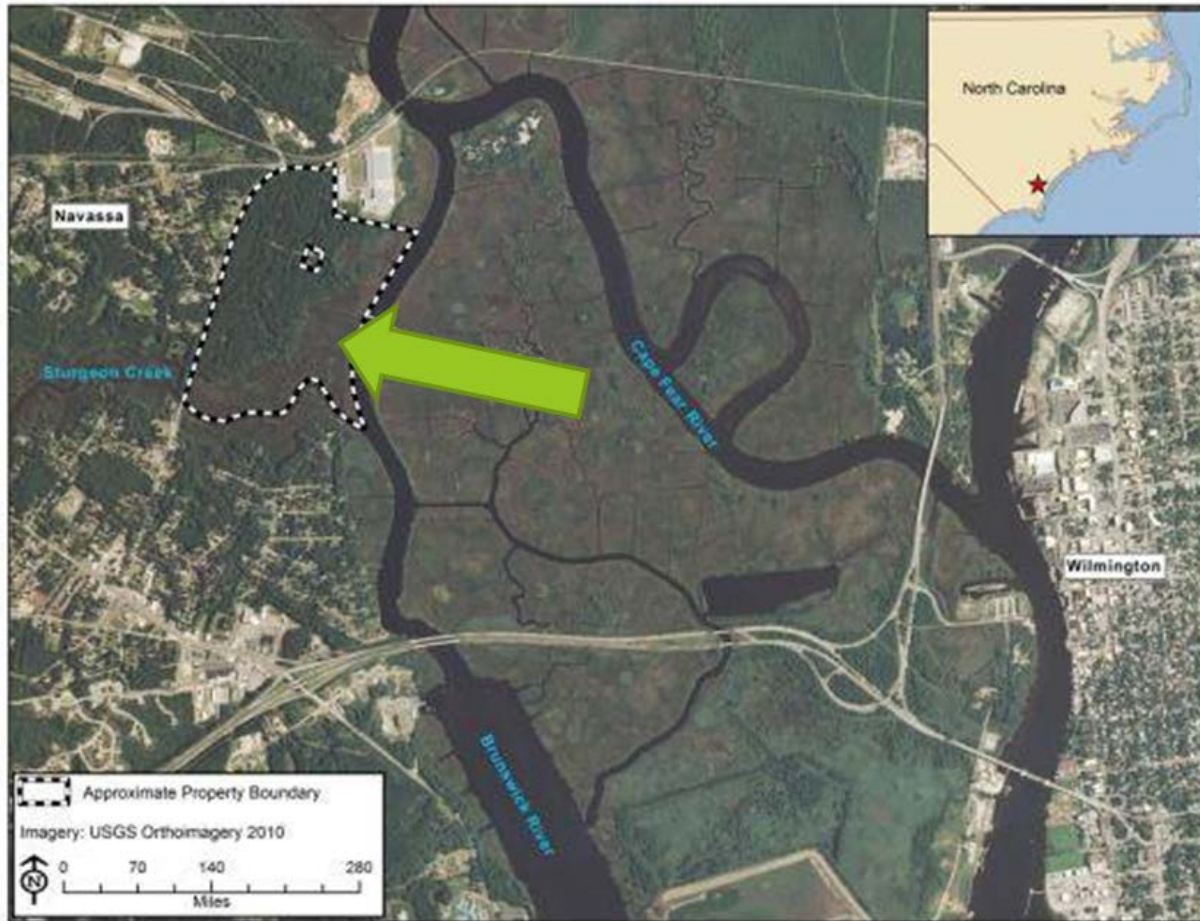# NATURAL RESOURCE DAMAGE ASSESSMENT AND RESTORATION

NRDAR IS:

- A **legal process** focused on restoring injured resources
- A **cooperative process** led by Trustees
- Focused on restoring the injured environment and services

NRDAR IS NOT:

- Compensation for human health or economic injuries
- Pollution clean-up
- A fee or fine
- Mitigation

Coastal Review Onlne, Catie Forde-Smith

KERR MCGEE NRDAR

- 2015 settlement: >$23 M
- Funds to restore injured natural resources and services

KERR MCGEE: INJURIES

- Pollutants impacted marsh sediments (BENTHIC Habitat)
- Species living in and around the sediments

Wikipedia

cape_fear_rive_basin_cfrw

NOAA Photo Library

RESTORATION SCOPING

| Scoping | Draft Restoration Plan | Final Restoration Plan | On-the-Ground Restoration | Oversight & Monitoring |

- Reviewed existing grant proposals and restoration plans

- Conducted site visits

- Coordinated with stakeholders

- Restoration Scoping Document – Public Comment (Aug. 2015)

- Public Meeting on Restoration Scoping

- Synopsis of Restoration Scoping Document Comments

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

RESTORATION PROJECT TYPES

- Create, Restore, or Enhance:
  - Riverine habitat
  - Coastal wetlands
  - Underwater, intertidal, or shoreline habitat
  - Opportunities for migratory fish

- Acquire or Protect sensitive lands

- Other?

USFWS Photo

PROJECT PROPOSALS RECEIVED

PROJECT	SUBMITTED BY
Benthos and water quality monitoring	UNCW Center for Marine Sciences
Brunswick Town / Fort Anderson shoreline stabilization	SEPI Engineering and Construction
Cape Fear bottomland conservation	North Carolina Coastal Land Trust
Development/installation of stormwater drainage system	Town of Navassa
Eagles Island land conservation	Town of Navassa
Indian Creek preserve	Land Management Group
Lock and Dams 2 and 3 fish passage	Cape Fear River Watch
Lower Cape Fear umbrella mitigation bank	Land Management Group
Navassa proposed park	Al Beatty
Navassa Town Complex	Land Management Group
North Bank Mill Creek project	Town of Navassa
North Brunswick blueway project	Town of Navassa
Oyster reef establishment in the Lower Cape Fear	Audubon
Oyster reef creation and marsh restoration at Carolina Beach SP	North Carolina Coastal Federation
Practices administered by local S&W districts	NCDS&W
Squires and Canetuck acquisition	TNC
Sturgeon Creek community restoration project	Town of Leland

SELECTION CRITERIA

- **Meets Trustees' goals**
- **Is cost effective**
- **Likely to succeed**
- **Provides measureable results / uplift**
- **Avoids collateral injury**
- **Is compatible with clean-up**
- **Has no impact to public health/safety**

Proposed Additional Screening Factors

Proximity (lower Cape Fear watershed)
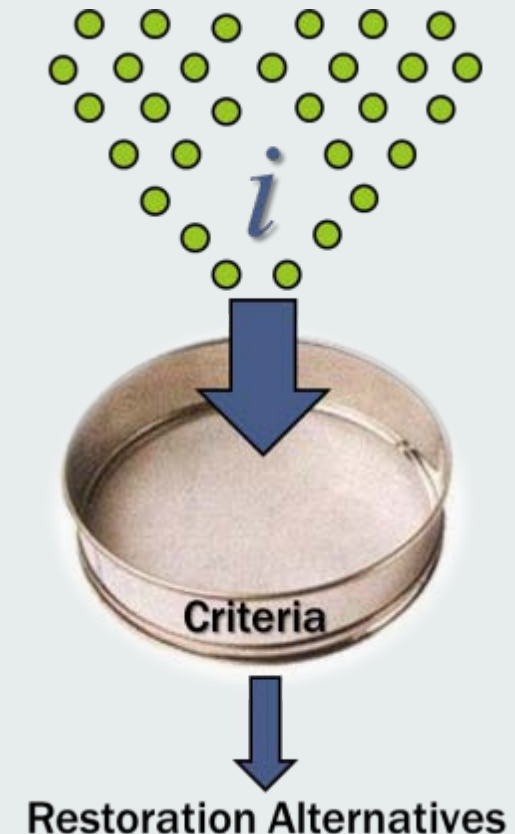
Strongly relate to injured resources

High degree of benefits

Conservation significance

High level of planning /development

Leveraged resources

Consistency with environmental planning goals

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Criteria

Restoration Alternatives

THE NEXT STEPS

- Draft restoration plan(s) and seek input

- Finalize restoration plan(s)

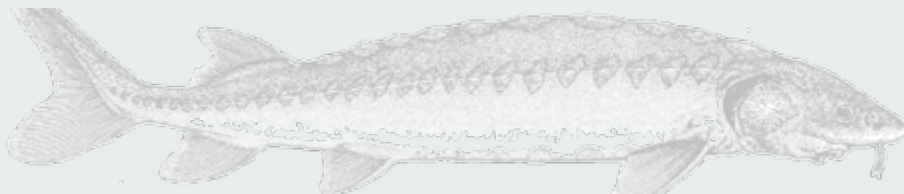- Implement restoration and monitor it!

HOW CAN YOU HELP?

- Provide project suggestions and ideas

- Provide existing restoration plans

- Review / comment on future plan(s)

CONTACT US:

Howard Schnabolk
843.740.1328

Sara Ward
919.856.4520 ext 30

Michael Ellison

Duke Community Service Payment: NFWF Rivers and Waters Fund Update

Bob Polin
Courtney Kwiatkowski
Julia Ela

NFWF Impact-Directed
Environmental Accounts

NFWF

NATIONAL FISH AND WILDLIFE FOUNDATION

Duke Energy CSP
Use of Funds

For the benefit, preservation, restoration, and improvement of the water resources of North Carolina and Virginia that have been impacted by the operation of coal ash storage ponds owned by Duke.

- $7,000,000 - NC: Eastern District
- $7,000,000 - NC: Middle District
- $7,000,000 - NC: Western District
- $3,000,000 - VA

Duke Energy CSP
Projects and Initiatives

The projects and initiatives considered by NFWF :

- monitoring, study, restoration, and preservation of fish, wildlife, and plant resources;

- monitoring, study, clean up, remediation, sampling, and analysis of pollution and other threats to the riparian environment and ecosystem;

- research, study, planning, repair, maintenance, education, and public outreach relating to the riparian environment and ecosystem;

- environmental education and training relating to the protection and preservation of riparian resources; and

- the protection and support of public drinking water systems.

Duke Energy CSP
River Basins

The projects and initiatives considered by NFWF should be focused on the following river basins or watersheds:

- Broad River
- Cape Fear River
- Catawba River
- Dan River
- French Broad River
- Lumber River
- Roanoke River
- Neuse River
- Yadkin River

Duke Energy CSP
First Round Selections

- NFWF consulted with state and federal resource managers (FWS, NCWRC, NCDEQ, and EPA)

- NFWF requested full proposals for selected projects (request is not itself an award and not a guarantee of funding)

- Additional rounds at future dates to be determined

- Cape Fear River project selections in round one:

  ➢ Central district: ~$3.9 M

  ➢ Eastern district: ~$ 1 M

Cape Fear River Basin
First Round Projects

DISTRICT	PROJECT	DESCRIPTION	FUNDING NEED
EASTERN	Lock and Dam #2 Fish Passage	Restore access to historic migratory fish habitat in the Cape Fear River basin via design and construction	$840,000
	South Pelican Island nesting habiat	Restore nesting habitat on South Pelican Island	$140,000
CENTRAL	Hoosier Dam Removal	Create/reconnect habitat for imperiled (endangered Cape Fear Shiner) and other aquatic species	$1,500,000
	Rocky and Deep River land protection	Conserve about 8000 ac along Rocky and Deep Rivers; the project supports NC State Parks' Deep	$2,433,000
	Water Quality Monitoring	Purchase and installing the water quality monitoring equipment in Cape Fear and Neuse river basins	$60,000

NATIONAL FISH AND WILDLIFE FOUNDATION

NFWF

THANKS!

NOAA Office for Coastal Management