

U.S. FISH AND WILDLIFE SERVICE

Infrastructure Planning – Grey to Green

USFWS Overview Presentation

Presentation Overview:

- Bureau Introduction
- Bureau Applications
- Project Examples



Who Are We?

The mission of the U.S. Fish and Wildlife Service is working with others to conserve, protect, and enhance fish, wildlife, plants, and their habitats for the continuing benefit of the American people.

Representing USFWS today is:

- Angela Baran Dagendesh Facility Operation Specialist
- Bartholomew Wilson, P.G., Ph.D Geomorphologist
- Brian Ellington, P.E. Infrastructure Program Management
- Nathan Beauchamp Transportation Planning





The Fish and Wildlife Service

Land Management Agency within the DOI

• National Wildlife Refuge System

Priorities of the USFWS

- Landscape Conservation
- Migratory Birds
- Threatened and Endangered Species:
- Aquatic Species
 - **Connecting People With Nature**



Infrastructure Planning Considerations

Basics of Good Project Management

- Clearly Defined Need & Success Criteria
- Business Case Development
- Sponsor, Stakeholders, Comms Plan
- Vulnerability Assessments
- NEPA, Cultural Resources, & Permitting Consultations
- Risk Assessment
- Acquisition Planning for Execution



BIL –Bureau Applications

 Ecosystem Restoration Projects on Federal Lands

- Invasive Species Projects
 - Detection, Eradication, & Prevention
- Grants to States, Tribes, and Territories for Voluntary Ecological Restoration
- Revegetation & Hazard Mitigation
 - Funding for Mined Lands Remediation
 - Funding for Orphan Well Remediation
- Funding for National Revegetation Efforts, Water Quality, Fish Passage and Seed Strategy Projects



Nature Based Solutions





Focus Areas

Wave Attenuation

Designed to energy level and site goals High Energy

Low Energy

Logs and root wads Reefs **Oyster** Castles

Sand Shoals WAD (Wave Attenuation Devices) Rock (only when necessary)

Hydrology Restoration

- Scalable
 - Hand dug to dredges
- Root cause of habitat loss
- **Elevation Enhancement and Beneficial Reuse of Dredge Material**
- **Use of Prescribed Fire**
 - Facilitate habitat transgression to invasive species management



Project Selection, Proposal, & Monitoring

Partnerships

Funding Opportunities



Questions?

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