

Restoration Planning and Implementation



Photo: Ken Munney, USFWS



Restoration Includes:

- ▶ Restore
- ▶ Rehabilitate
- ▶ Replace
- ▶ Acquire the Equivalent



Photo: Tom Suchanek, USFWS



Trustee Coordination

- ▶ Assemble multi-disciplinary teams
- ▶ Documentation
 - ▣ Trustee MOA
 - ▣ Administrative record
- ▶ Proper planning and coordination will reduce conflicts
- ▶ Formal planning is essential



Restoration Plan

- ▶ Tie restoration to injury
- ▶ Alternatives must consider “no action” – natural recovery
- ▶ Monitoring component recommended
- ▶ Coordination with co-trustees
- ▶ Compliance with other laws – NEPA, etc.
- ▶ Public Review, include Responsible Parties, affected agencies



Photo: Craig Stihler



Restoration Plan Components

- ▶ Summary of settlement or judgment (CERCLA)
- ▶ Summary of injury assessment (OPA)
- ▶ Injury description
- ▶ Goals & Objectives
- ▶ Proposed and preferred alternatives



Restoration Plan Components

- ▶ Compliance with other laws (CERCLA)
- ▶ Monitoring and contingency plan (OPA)
- ▶ Budget (CERCLA) & Timelines (OPA)
- ▶ Response to Comments (CERCLA)
- ▶ Responsible Party involvement (OPA)



Components to add for Environmental Assessment

- ▶ Purpose and Need
- ▶ Coordination & Scoping: Public, trustee & Responsible Party coordination
- ▶ Affected Environment
- ▶ Environmental Consequences
- ▶ Consulted Organizations



Alternative Evaluation

- ▶ Technical Feasibility (CERCLA);
Likelihood of success & expectation of meeting goals & objectives (OPA)
- ▶ Cost benefit ratio, cost effectiveness (CERCLA)/ number of resources benefited (OPA)
- ▶ Results of response actions (CERCLA)
- ▶ Ability for natural recovery and time period for recovery



Alternative Evaluation

- ▶ Prevent future injury/avoid collateral injury
- ▶ Effect on public health & safety
- ▶ Consistency with Federal, State, & Tribal laws and policies



See 42 CFR 11.82(d) and 15 CFR
990.54



Alternative Evaluation

Process:

- ▶ Screening & Ranking Criteria
- ▶ Incorporate NEPA Environmental Assessment into the alternatives analysis
- ▶ Identify preferred alternative and refine as appropriate
- ▶ Pilot restoration projects



Implementation Process

- ▶ **Trustee Council MOU**
- ▶ **Project Management Plan**
 - ▶ Project Description
 - ▶ Team
 - ▶ Schedule
 - ▶ Budget
 - ▶ Conflict Resolution



Photo: Institute for Wildlife Studies



Site Protection

- ▶ **Physical: access restrictions/limitation**
- ▶ **Legal/Realty**
 - CC&Rs
 - Easements
 - Fee title
 - IAGs & other agreements
- ▶ **Enforcement**
- ▶ **Buffer zones**
- ▶ **Maintenance**



Photo: Texas NRDAR Trustee Council



Implementation Mechanisms

- ▶ Trustees
- ▶ Responsible Party
- ▶ Contractors
- ▶ Partners
- ▶ Volunteers



Photo: USFWS/Salt Lake City Field Office



Keys for Effective Restoration Planning and Implementation

- ▶ Establish a Trustee Council / Committee
- ▶ Develop an MOA
- ▶ Develop detailed workplans
- ▶ Oversight ensures complete restoration
- ▶ Follow up with monitoring to evaluate success of restoration
- ▶ Address long term monitoring/maintenance



Questions?



Contact Information:

Dolores Savignano
US Fish and Wildlife Service
703-358-2148
dolores_savignano@fws.gov

