Agenda Item E.1.a Supplemental NMFS PPT March 2016

Recovery Action Mapping Tool

Tracking and Reporting Progress on the Implementation of ESA Recovery Plans

October 15, 2015 Shanna Dunn shanna.dunn@noaa.gov



NOAA FISHERIES

West Coast Region

Outline

- What does this tool do for us?
- What is the tool?
- How can the tool help recovery implementation?
- Making recovery plans more accessible
- Roles and responsibilities
- Agency-wide tool?
- Live demonstration



What does this tool do for us?

- Tracks the "the number and percent of ongoing and completed recovery actions" for our Government
 Performance and Results Act (GPRA) performance measure
- Keeps recovery plans as "living" documents
- Provides a central public interface for viewing actions in a consistent format
- Fulfills inquiries from the public, Congress, and stakeholders
- Guides funding and recovery implementation toward priority recovery actions
- Captures which funded projects address recovery actions; project data is tracked in various systems
- Improves Pacific Coastal Salmon Recovery Fund (PCSRF) and other programs' accountability by linking funded projects to specific recovery actions



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SUBJECT New OPRA Manuse on Tracking Recovery Actions
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pain to use the Antoning South Anton's Algorithm (2004) System to tack actions and (2014) Signal an Intergraphic Algorithm with the Fulb and Wilddie Service to become a new in KOAR. We will be working with FWS over the next few months to make available with the responds your accomments on the plate, particularly shows that will be likelihoe neutrino Hennistation Activities. BOAR will be ready for data easity by spring or early summer.

maquarities statuse of resolution foresources was upsouts implementation is should be and per resons of the plans ion ROAR and we will let you know when ROAR it ready for stata areasy is will also send out instructions for obtaining paraweeds and business rules for energing optimentation. Archivitis and totaching Recovery Actions. We will foreward separate business less for developing targets for the GPRA measure this spring.

We recognize that the initial data entry will be time consuming and appreciate your cooperation. However, this may also serve as an opportunity to highlight the number of activities we conduct each your and showcase budget needs.

If you have any questions, please contact use or Therest Conart, Acting Chef, Endangered species Division at (201) 713-1401 x 126 or, for specific questions on ROAR, contact Lariss Plants at (201) 713-1401 x133.

Ce: Recovery Coordinators Science Center Directors Austitute Regional Administrators for Protected Resour Office of Protected Resources Division Chiefs

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What is the tool?

- o Custom online map viewer
- Standardized recovery action database
- Data entry and editing capabilities
- Interactive displays, queries, and exports





Geographic Extent:

- 12 recovery domains
- Washington
- Idaho
- Oregon
- California

Map Organization:

- USGS National Hydrography Dataset
 - Hydrologic Unit (HU) hierarchy
- Domain, sub-basin, watershed, sub-watershed
- Action areas mapped to HU polygons
- Action points mapped to latitude & longitude



Progress on loading recovery actions...

Lower Columbia River Recovery Plan for Oregon Populations of Salmon and Steelhead	Done
Recovery Plan Module Mainstem Columbia River Hydropower Projects	Done
Middle Columbia River Steelhead Distinct Population Segment ESA Recovery Plan	Done
Upper Willamette River Recovery Plan for Chinook Salmon and Steelhead	Done
Recovery Plan for Ozette Lake Sockeye Salmon	Done
Columbia River Estuary ESA Recovery Plan Module for Salmon and Steelhead	Done
Southern California Steelhead Recovery Plan	Done
Southern Oregon/Northern California Coasts Coho Recovery Plan	Processing
Central California Coast Coho Recovery Plan	Processing
South-Central California Steelhead Plan	Processing
Central Valley Salmon and Steelhead Plan	Processing
Snake River Sockeye Salmon ESA Recovery Plan	Processing
Puget Sound Salmon Recovery Plan	Not started
Hood Canal & Eastern Strait of Juan de Fuca Summer Chum Recovery Plan	Not started
Washington Lower Columbia Salmon Recovery and Fish & Wildlife Subbasin Plan	Not started
Upper Columbia Spring Chinook Salmon and Steelhead Recovery Plan	Not started
Central Coast Multispecies Plan	Not started, draft
Snake River Fall Chinook ESA Recovery Plan	Not started, draft
Snake River Spring/Summer Chinook & Steelhead ESA Recovery Plan	Not started, draft
Puget Sound Steelhead Recovery Plan	Not started, draft
Oregon Coast Coho Recovery Plan	Not started, draft



Internal database connections from project tracking systems:

- Pacific Coastal Salmon Recovery Fund (PCSRF) Projects
- Pacific Northwest Salmon Habitat Projects (PNSHP)

	Grantee	Projects
Shoshone-Paiute	Shoshone-Paiute	1
CTCLUSI	CTCLUSI	1
€ #	Burns Paiute	3
1	Chehalis	7
	Grand Ronde	7
0	Siletz	8
AYKSSI	AYKSSI	1
•	Cowlitz	5
<u>@</u>	Cow Creek	5
0	Round Valley	58
6	Coquille	20
0	Shoshone-Bannock	49
	USFWS-WDFW-ODFW	12
0	Colville	46
	KRITFWC	291
O	CRITFC	307
IDAHO Species Conservation	ID OSC	212
Þ	NWIFC	902
OWER	OWEB	4985
V	CDFW	2330
۲	ADF&G	911
	WA RCO	1908

Data Provider	Projects w
OWRI	14226
BLM	8228
REO	6540
WARCO	1378
ASOTIN	1197
Habitiat Work Schedule	1177
SRFBD	939
WDFW WRIP	772
OR Water Trust	749
GRMWP	641
WDFW Fishway	620
NRRSS	463
NOAA Restoration	380
NMFS	328
CBFWA	302
WA Water Trust	254
IDFG Screen Shop	220
IDFG	174
Fisher Fisheries	135
BOR	132
WDFW Culvert	130
StreamNet	121
IDAHODEQ	119
Montana Water Center	93
Ducks Unlimited	85
WDOT	70
WA DOE	23



How can the tool help recovery implementation?

Inform WCR programs

PCSRF – grantees can identify the recovery action(s) that their project(s) address

ESA 5-year Reviews – summarize actions that have been implemented in the last 5 years. Highlight actions that need to be implemented in the next 5 years.

ESA Recovery & Section 7 Integration – staff can use tool to find recovery actions, limiting factors, threats, etc. for a specific area.

Inform other NOAA programs

ESA Section 6 – grantees could select an identified action for their grant proposal

National Marine Sanctuaries – send our priority actions, queried by sanctuary areas, to inform their funding decisions

Restoration Center – relate their projects to actions. Help identify priorities through adaptive management.

Inform external partners

Point them to our data to communicate which actions we need funded and where



Making recovery plans more accessible

Database queries on standardized data can support communication with partners and among staff. We can start to answer questions such as:

- 1. What are the highest priority recovery actions in my watershed, my county, my Congressional District?
- 2. Which recovery actions have been completed, how many are underway, or how many have not been started?
- 3. What are the top 10 actions, across all recovery plans, that we'd like "agency x" to work on this year?
- 4. Where are the water quality recovery actions that could be included as RPAs in "consultation x"?
- 5. Where is an overlap between implementing entities, action types, and limiting factors that could be a target for "coordinated investments"?



Roles and responsibilities

Protected Resources Division

1. Oversee Recovery Action Mapping Tool development, deployment, maintenance, upgrades, etc.

2. Work directly with the NWFSC technical staff to maintain RAMT services and implement upgrades

3. Administer RAMT database, load & map actions from finalized recovery plans, QA/QC data, create custom queries, generate reports, etc.

4. Coordinate with Area Offices to facilitate regular updates to recovery action data

Area Offices & Protected Resources Division (recovery coordinators)

1. Update action data via the web interface (login = NOAA email and password)



Agency-wide tool?

Office of Protected Resources is interested in expanding the capabilities of the tool to all regions for all NMFS' ESA-listed species

- o Remove NMFS data from the USFWS Recovery Online Activity Reporting system
- o Compile all NMFS recovery plans in one database to simplify and standardize reporting
- Operate this one-stop source for the public to access NMFS recovery actions

Requirements needed for RAMT expansion

- Update the Geographic Information System (GIS) to map actions in other regions
- o Assign data stewards for other regions & HQs

WCR coordination with other regions & HQs

- o Manage database
- Map actions & perform data QA/QC
- o Manage & train users



QUESTIONS? COMMENTS?

On to the map...

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