

Recovery Action Mapping Tool

Tracking and Reporting Progress on the
Implementation of ESA Recovery Plans



NOAA
FISHERIES

West Coast
Region

October 15, 2015

Shanna Dunn

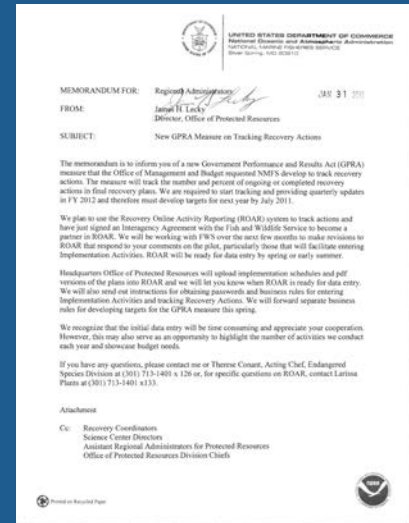
shanna.dunn@noaa.gov

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



What is the tool?

- 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:


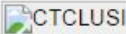




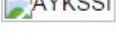














- USGS National Hydrography Dataset
Hydrologic Unit (HU) hierarchy
- Domain, sub-basin, watershed, sub-watershed
- Action areas mapped to HU polygons
- Action points mapped to latitude & longitude

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	1
	CTCLUSI	1
	Burns Paiute	3
	Chehalis	7
	Grand Ronde	7
	Siletz	8
	AYKSSI	1
	Cowlitz	5
	Cow Creek	5
	Round Valley	58
	Coquille	20
	Shoshone-Bannock	49
	USFWS-WDFW-ODFW	12
	Colville	46
	KRITFC	291
	CRITFC	307
	ID OSC	212
	NWIFC	902
	OWEB	4985
	CDFW	2330
	ADF&G	911
	WA RCO	1908

Data Provider	Projects ▼
OWRI	14226
BLM	8228
REO	6540
WARCO	1378
ASOTIN	1197
Habitat 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**

- Remove NMFS data from the USFWS Recovery Online Activity Reporting system
- 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
- Assign **data stewards** for other regions & HQs

WCR coordination with other regions & HQs

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

QUESTIONS? COMMENTS?

[On to the map...](#)

Contact:

Shanna Dunn

shanna.dunn@noaa.gov

503-231-2135