

### **USDA FOREST SERVICE**





# The Forest Service Mission Means Managing for Multiple Objectives

- Provide multiple use, including timber, water, rangelands, mining and recreation
- \$13 Billion recreational economy, including \$1 Billion in recreational fishing
- Conserve important aquatic species, their habitat, and their migration corridors
- Public access provide a reliable, climate resilient transportation network







### Why is Aquatic Habitat Connectivity So Important Ecologically?

- We now know that fish and other aquatic organisms move much more than previously believed. They need to access a variety of habitats to:
  - Spawn
  - Allow young to feed and grow
  - Survive floods, droughts, and winter conditions
  - Find cold water
  - Repopulate habitats after wildfires
- Bigger, connected stream and river systems support greater biodiversity and allow fish to grow larger (which is important to survival)













### Strong Program for Road-Stream Crossings and Aquatic Organism Passage

- Legacy Roads & Trails Program \$250 million over 5 years
- Agency and our many partners remove or upgrade 115-250 road-stream crossings annually
- Robust Training Program, strong direction, adequate internal expertise and collaboration with partners
- Regional priorities include Tribal
  Benefit, climate resilience, ESA species,
  public access, and partnership support



Credit: Freshwaters Illustrated





1,530
Jurisdictional
Dams on
National
Forests &
Grasslands

#### FS-1243 | January 2024

## National Forest System Statistics Fiscal Year 2023

#### Land Ownership (acres)

TOTAL	193.129.806
Other lands <sup>1</sup> $\dots$	769,757
National grasslands	3,835,509
National forests	188,524,540

#### **Bridges**

Road bridges							. 6,678
Frail bridges .							. 7,363

#### System Roads (miles)

TOTAL
Stored for future use 103,668
High-Clearance vehicles 199,472
Passenger vehicles 64,807

#### Communication

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Includes research and experimental areas, administrative sites, purchase units, etc.

Photo: A new trail bridge constructed on the Hoosier National Forest that improves visitor safety, reduces erosion, and Improves species habitat. USDA Forest Service photo.

#### Trails (miles)

Motorized trails 64,8	26
Nonmotorized trails 98,8	81
TOTAL163,70	06
Nonwilderness 131,5	67
Wilderness	39

#### Buildings (number and square footage)

TOTALS 39,161 29,197,828
Tollet structures 17,139 2,129,993
Research 1,613,463
Other 1,142 578,059
Administrative14,345 20,833,72
Recreation 6,330 4,042,592

#### Sustainable Buildings<sup>2</sup>

Eligible								.51
Sustainable								. 22

<sup>2</sup> In FY23, the criteria for eligible and sustainable buildings changed from 10,000 ft<sup>2</sup> and over, to 25,000 ft<sup>2</sup> and over.

#### **Recreation Sites**

Roating

TOTAL30,581
Other
Trailhead
Picnic
small interpretive sites 797
Visitor centers and
Camping (group) 413
Camping (individual) 4,323
Cabin
bodding

1215

### Drinking and Wastewater Systems

Drinking water						. 4,652
Wastewater						. 4,743

#### Dams<sup>3</sup>

Forest	Se	rvic	:e-(	Dν	vne	ed,	in	the	е	N	ID	. 470
Forest	Se	rvic	:e-(	Dν	vne	ed,	no	t i	n	tł	ne	NID.
												1,060

3 National Inventory of Dams (NID).





### Thousands of Non-Jurisdictional Dams and Dam-Like Structures

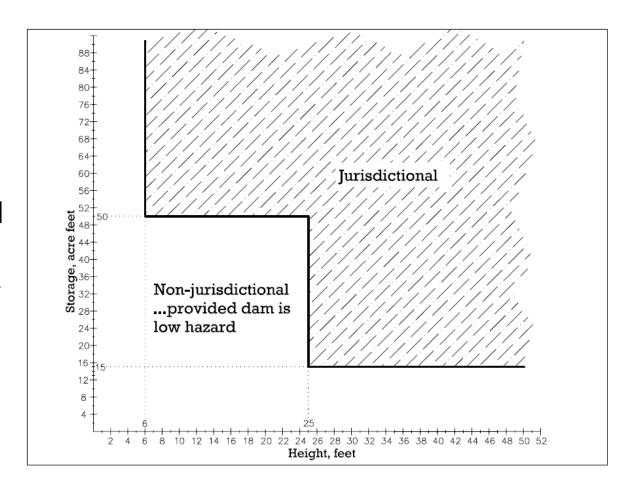






### Management of "Dams" is nuanced

- Jurisdictional Dams are the focus now
- High Hazard or Moderate Hazard Dams
- Ecological gain of low-head dam removal vs.
   program of work







### Agency Goal: 1500 Barriers in 5 Years

Year	Type of Project^	Number of Projects	Miles of Upstream Habitat Reconnected	FS Funds Spent	Partner Funds Contributed	Total Project Funds
FY2021	AOP projects	116	221	\$15.4 M	\$9.2 M	24.7 M
112021	Non-Road AOPs	12	41	\$252,110	\$1.3 M	\$1.6 M
FY2022	AOP projects	129	190	\$21.9 M	17.4 M	\$39.3 M
FIZUZZ	Non-Road AOPs	15	48	\$501,350	\$2.7 M	\$3.2 M
FY2023	AOP projects	144	213	\$9.4 M	14.9 M	\$24.4 M
F12U23	Non-Road AOPs	57	328	\$189,707	\$342,000	\$531,707
Total		473	1041	\$47.7 M	\$46.1 M	\$93.7 M

<sup>^</sup> AOP projects occur at road-stream crossings; ^ Non-Road AOPs are barriers such as dams, dam-like structures, irrigation diversion weirs, and other non-road projects.





### Challenges

- Wildfire crisis demands
- Competing deferred maintenance, safety other management demands
- Technical assessment and design capacity
- Experience at the regional or forest level
- NEPA and permitting
- SHPO and permitting







### **Opportunities**



- Leveraging BIL, IRA and a broad suite of funding
- Partner collaboration, interest and expertise
- Ongoing assessment, inventory and prioritization
- Training







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