

National Wild and Scenic Rivers

Database and Story Map

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National Park Service



Acknowledgements

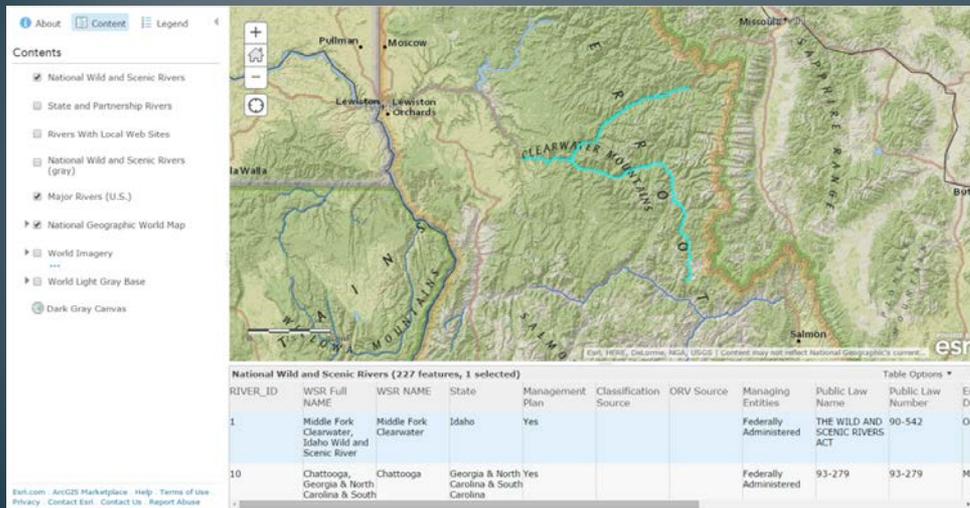


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- Joan Harn, National Park Service, Co-Chair of the Wild and Scenic Rivers Council
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- Wikimedia Commons (<http://commons.wikimedia.org/>)

Project Goals

Wild and Scenic River Management System

- Interagency geo-database of all W&SRs (NPS, USFS, BLM, and FWS)
- Provide public access via web maps and applications

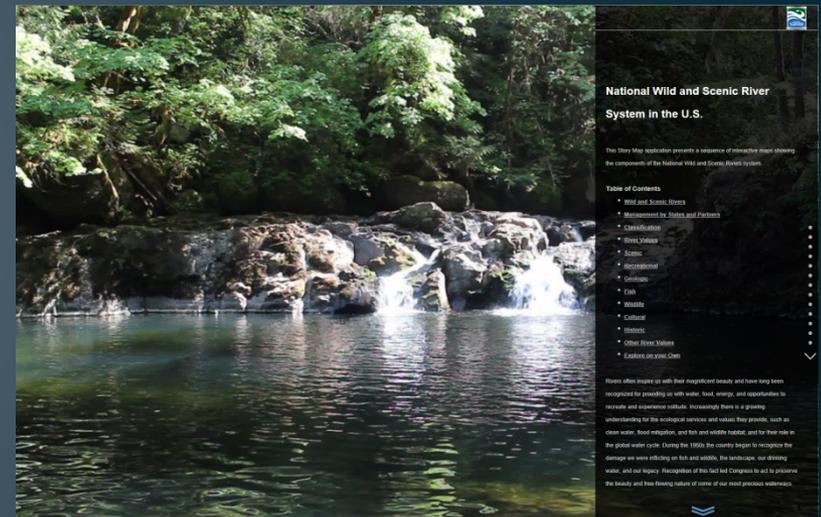


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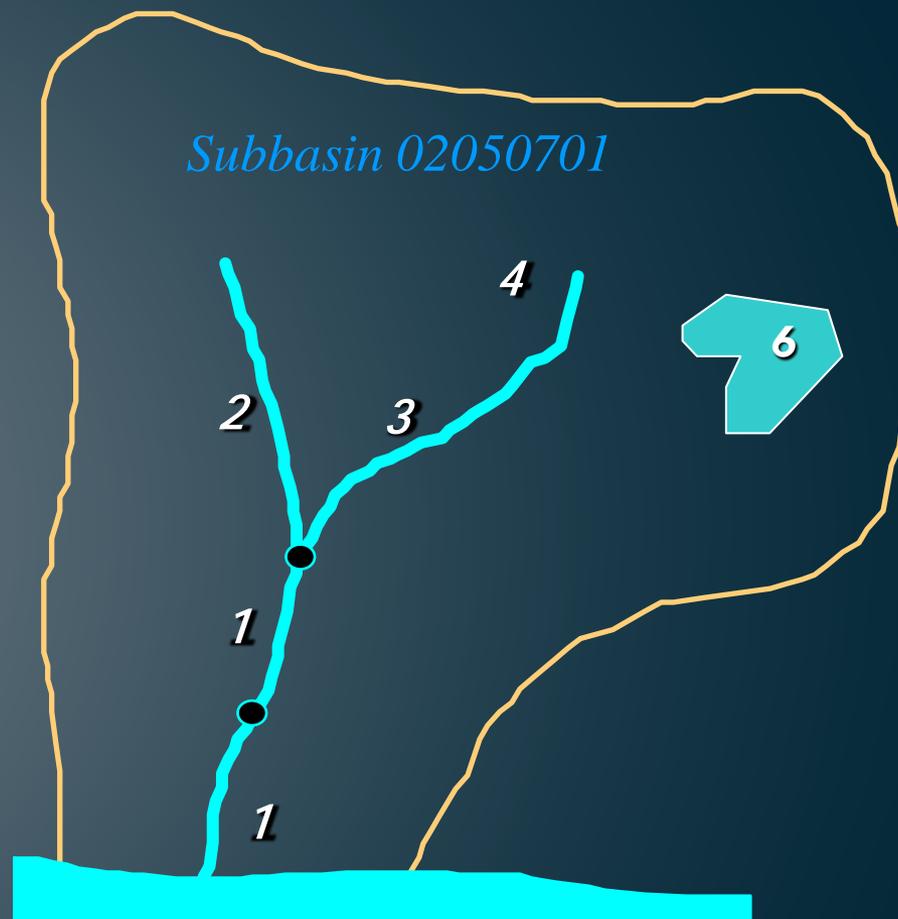
National Wild and Scenic Rivers (227 features, 1 selected)

| RIVER_ID | WSR Full NAME | WSR NAME | State | Management Plan | Classification Source | DRV Source | Managing Entities | Public Law Name | Public Law Number | Dr |
|----------|---|------------------------|----------------------------------|-----------------|-----------------------|------------|------------------------|--------------------------------|-------------------|----|
| 1 | Middle Fork Clearwater, Idaho Wild and Scenic River | Middle Fork Clearwater | Idaho | Yes | | | Federally Administered | THE WILD AND SCENIC RIVERS ACT | 90-542 | Ok |
| 10 | Chattooga, Georgia & North Carolina & South | Chattooga | Georgia & North Carolina & South | Yes | | | Federally Administered | | 93-279 | Mz |



National Wild and Scenic Rivers Database

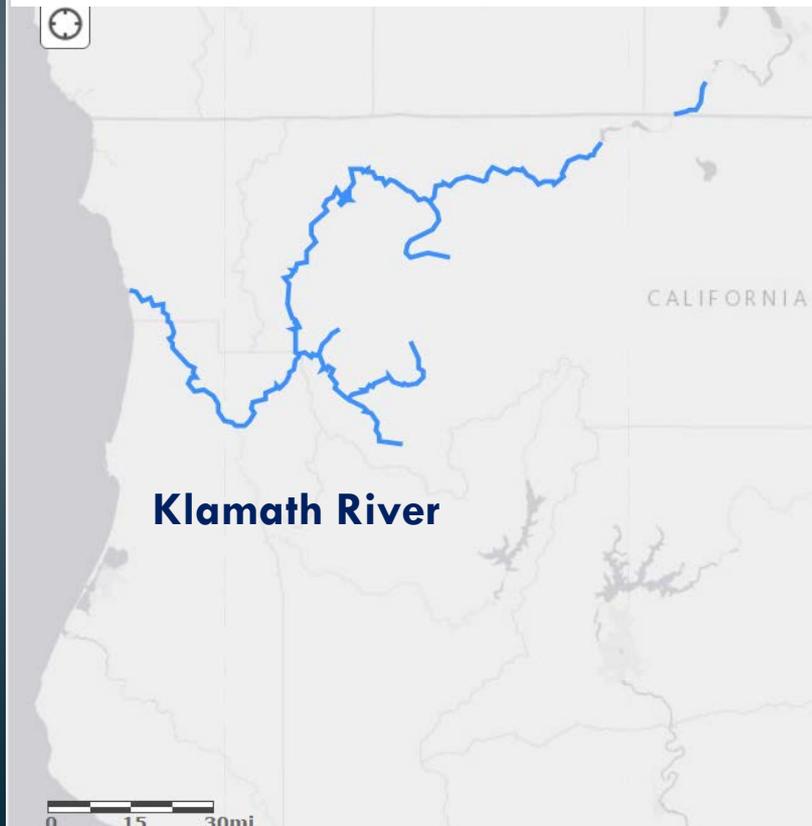
- National Hydrography Data (NHD)
- Stream Network – trace water flow upstream and downstream
- Reach codes link to other scientific studies (e.g. water quality, EPA)



Each reach is an “addressable” unit
(e.g. *02050701*000001)

Dynamic Segmentation

Klamath River: 286 miles broken into about 780 segments



Event Table

| RiverID | FMEAS | TMEAS | ReachCode |
|---------|--------|--------|----------------|
| SD9 | 0 | 0.1195 | 18010209001346 |
| SD9 | 0.1195 | 0.5891 | 18010209001345 |
| SD9 | 0.5891 | 1.0263 | 18010209001344 |
| SD9 | 1.0263 | 1.4466 | 18010209001343 |
| SD9 | 1.4466 | 1.5104 | 18010209001342 |
| SD9 | 1.5104 | 1.6367 | 18010209001341 |
| SD9 | 1.6367 | 2.9281 | 18010209001371 |
| SD9 | 2.9281 | 3.0935 | 18010209000004 |
| SD9 | 3.0935 | 3.5431 | 18010209000004 |
| SD9 | 3.5431 | 4.5276 | 18010209001369 |
| SD9 | 4.5276 | 4.7709 | 18010209001369 |
| SD9 | 4.7709 | 4.9172 | 18010209001372 |
| SD9 | 4.9172 | 4.954 | 18010209001372 |
| SD9 | 4.954 | 5.1392 | 18010209001372 |
| SD9 | 5.1392 | 5.3542 | 18010209001372 |
| SD9 | 5.3542 | 5.3916 | 18010209001372 |
| SD9 | 5.3916 | 5.6836 | 18010209001372 |
| SD9 | 5.6836 | 5.8805 | 18010209001372 |
| SD9 | 5.8805 | 6.0921 | 18010209001372 |
| SD9 | 6.0921 | 6.3988 | 18010209001372 |
| SD9 | 6.3988 | 6.499 | 18010209001372 |
| SD9 | 6.499 | 6.6564 | 18010209001372 |

A scenic river flows through a dense forest. The water is a deep green color, and the banks are covered in mossy rocks. The trees are tall and thin, with some bare branches visible. The overall atmosphere is quiet and natural.

National Wild
and Scenic Rivers
Story Map



National Wild and Scenic River System in the U.S.



This Story Map application presents a sequence of interactive maps showing the components of the National Wild and Scenic Rivers system.

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National Wild and Scenic River System in the U.S.

Wild and Scenic Rivers

As of October 2015, there were 208 national wild and scenic rivers in 39 States and the Commonwealth of Puerto Rico, totaling more than 12,700 miles. This is a little more than one-quarter of one percent of the nation's rivers.



Photo (above). West Fork of the Chattooga River, Georgia and South Carolina (Tim Palmer).

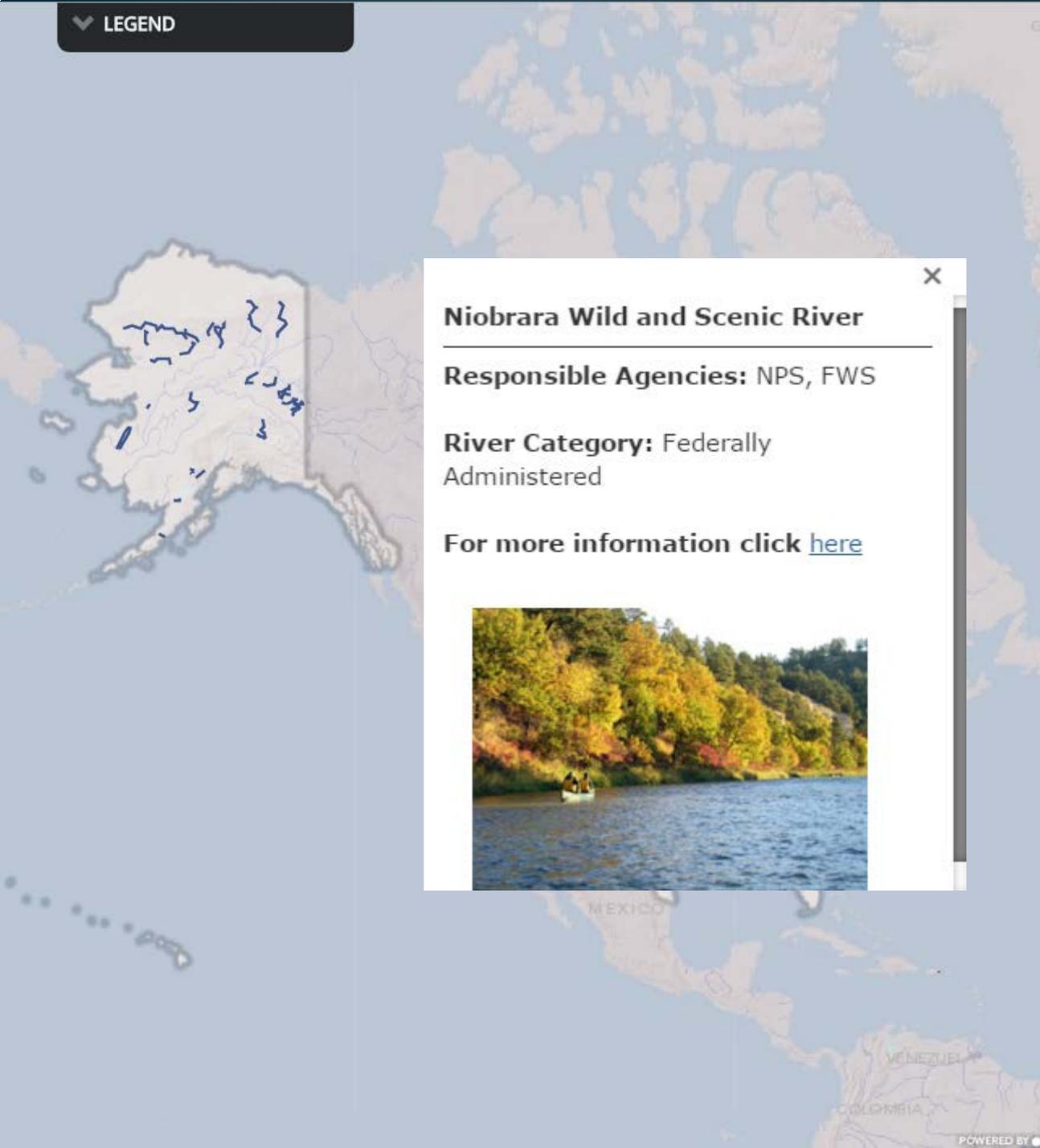
The United States Forest Service, National Park Service, Bureau of Land Management, and the United States Fish and Wildlife are the four primary federal agencies with responsibility for the National Wild and Scenic Rivers System. These agencies are responsible for protecting and enhancing the river values for the components located within their management boundaries, whether designated by Congress, or by the Secretary of Interior at the

Niobrara Wild and Scenic River

Responsible Agencies: NPS, FWS

River Category: Federally Administered

For more information click [here](#)

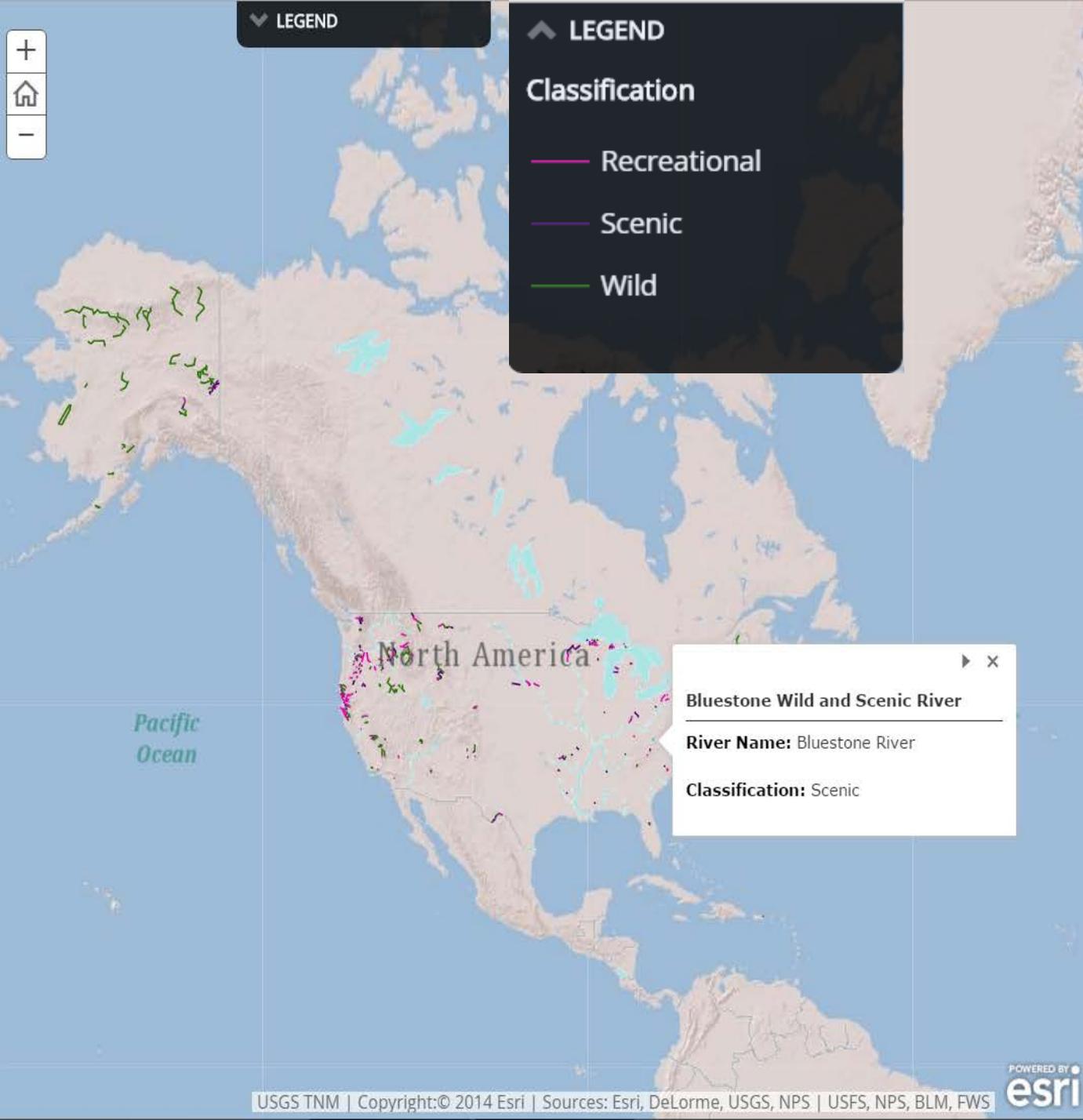


LEGEND

LEGEND

Classification

- Recreational
- Scenic
- Wild



National Wild and Scenic River System in the U.S.

Classification



Photo (above), Elkhorn Creek, Oregon (BLM)

Designated rivers are classified as wild, scenic, or recreational. These classifications relate to the degree of development and access along the river on the date of designation, not its proposed uses. Each designated river in the national system is to be managed consistent with its classification in a way that protects and enhances the values and characteristics that prompted its designation.

According to section 2(b) of the Wild and Scenic Rivers Act, the three classifications are defined as follows:

- "Wild" river areas are free of impoundments and generally inaccessible except by trail, with watersheds or shorelines essentially primitive and waters unpolluted. These represent vestiges of primitive America."
- "Scenic" river areas are "free of

Bluestone Wild and Scenic River

River Name: Bluestone River

Classification: Scenic



LEGEND

Outstandingly Remarkable Values - Fish



National Wild and Scenic River System in the U.S.

Fish

A river's fish outstandingly remarkable values may be judged on the relative merits of fish populations, diversity, habitat, or a combination of these river-related conditions (see criteria below).



Video (above). The rivers, streams, and lakes of Oregon and Washington are home to a diverse array of fish species; Salmon and trout species include bull trout, westslope cutthroat trout, Yellowstone cutthroat trout, Lahontan cutthroat trout, redband trout, steelhead trout, and chinook and sockeye salmon (BLM).

Example Criteria

Populations: The river is nationally or regionally an important producer of resident and/or migratory fish species. Of particular significance are a diversity of fish species or the presence of wild stocks and/or federal or state listed (or candidate) threatened, endangered or species of conservation concern.

Flathead Wild and Scenic River

River Name: Middle Fork Flathead River

Outstandingly Remarkable Values:
Fish, Geologic, Historic, Recreation, Scenery, Wildlife, Botany, Water Quality



National Wild and Scenic River System in the U.S.

Explore On Your Own

You can find out more information about Wild and Scenic Rivers by visiting:

- ArcGIS Online Web Maps:
 - [Wild and Scenic Rivers](#)
 - [Classification Segments](#)
 - [Outstandingly Remarkable Values](#)
- and the [Rivers.gov](#) web page

Find and enjoy the closest Wild and Scenic River near you!

Photo (left). Delta River, Alaska (Tim Palmer).

 Share



Next Steps

- Update maps on Rivers.gov
- Make the data and web maps more discoverable
- Develop a system for maintaining the data
- Analysis of riparian landcover, water quality, and more

The screenshot shows the homepage of the National Wild and Scenic Rivers System. At the top left is the logo, a green shield with a white wave and the text 'NATIONAL WILD AND SCENIC RIVERS SYSTEM'. To the right, the title 'NATIONAL WILD AND SCENIC RIVERS SYSTEM' is displayed in large green letters. Below the title are four smaller logos representing different river systems. A navigation bar contains links for 'HOME', 'NATIONAL SYSTEM', 'MANAGEMENT', 'RESOURCES', 'PUBLICATIONS', 'CONTACT US', and 'KID'S SITE', along with a search box. The main content area features a large landscape photograph of a river valley. To the right of the photo is a 'DID YOU KNOW...' box with the text: 'Less than 1/4 of 1% of our rivers are protected under the National Wild & Scenic Rivers System.' Below this text is a grid of 12 small images showing various river scenes. At the bottom, there are two sections: 'A NATIONAL SYSTEM' with a quote about river protection, and 'EXPLORE DESIGNATED RIVERS' with a map of the United States highlighting river corridors.

NATIONAL WILD AND SCENIC RIVERS SYSTEM

HOME NATIONAL SYSTEM MANAGEMENT RESOURCES PUBLICATIONS CONTACT US KID'S SITE

DID YOU KNOW...

Less than 1/4 of 1% of our rivers are protected under the National Wild & Scenic Rivers System.

A NATIONAL SYSTEM

In the past 50 years, we have learned—all too slowly, I think—to prize and protect God's precious gifts. Because we have, our own children and grandchildren will come to know and come to love the great forests and the wild rivers that we have protected and left to them . . . An unspoiled river is a very rare thing in this Nation today. Their flow and vitality have been

EXPLORE DESIGNATED RIVERS

Thanks for hanging in there!



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Lessons Learned

- Database
 - Use yes/no fields when possible
 - Finalize database schema (as much as possible) before creating web maps and applications
- Web Maps/Applications –
 - Keep it simple
 - Maps and applications should highlight your project
 - Experiment with creating separate web maps for each theme