



## Wild & Scenic River Lessons for Applications Abroad

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# BIODIVERSITY

Riparian forest



White-tailed eagle



Stonefly



River mussel



Danube Salmon



**The 2013 *ANTIPODE* AAG Lecture**  
**The Environment Making State:  
Territory, Nature, and Value**

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LEGIBILITY: SURVEYING, INVENTORYING, CATALOGING, MAKING POLICIES, MANAGING

# Wild and Scenic Rivers Act Nuts and Bolts

- Survey, inventory, & catalog
- Free-flowing
- High quality or potential for restoration
- Outstandingly Remarkable Value (ORV)

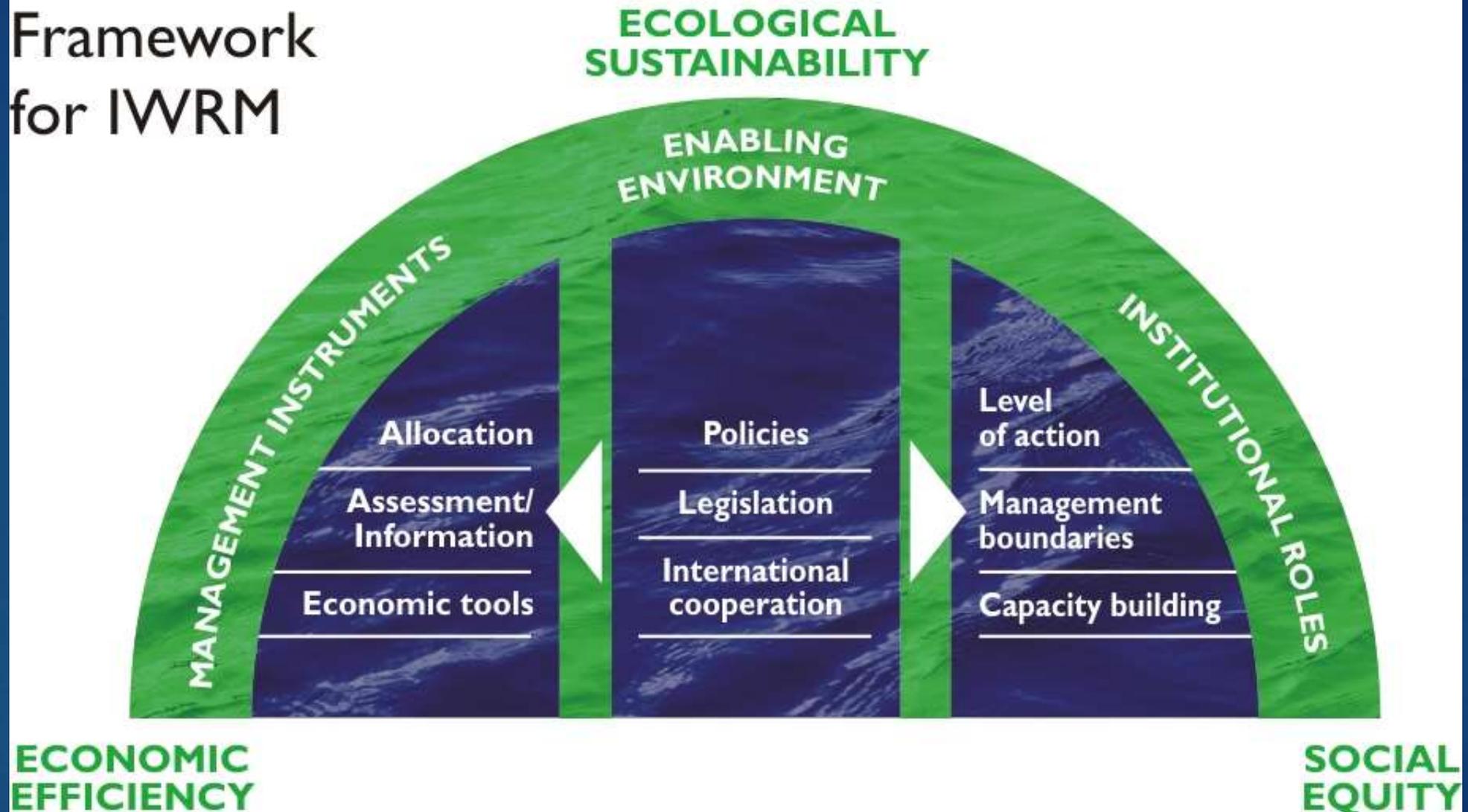


Scenic	Recreation	Geologic	Fish
Wildlife	Historic	Cultural	Other

- ¼ mile protected riparian zone
- Establish Nationwide Rivers Inventory (NRI)
- Section 7 review and NEPA requirements



# General Framework for IWRM

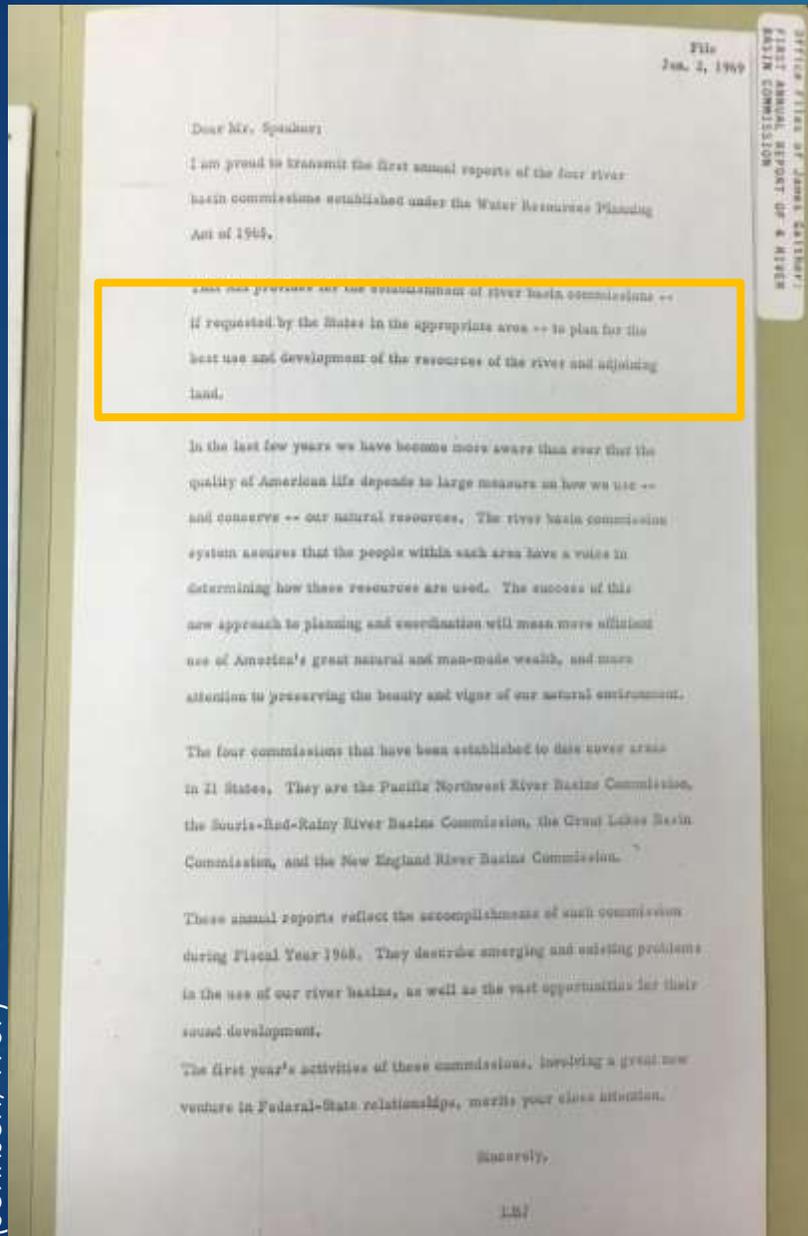


Perry, D.M. (In progress). "Bridging Resilience and Adaptation by Integrating Conservation Policy into Water Resource Management." *Sustainability*.

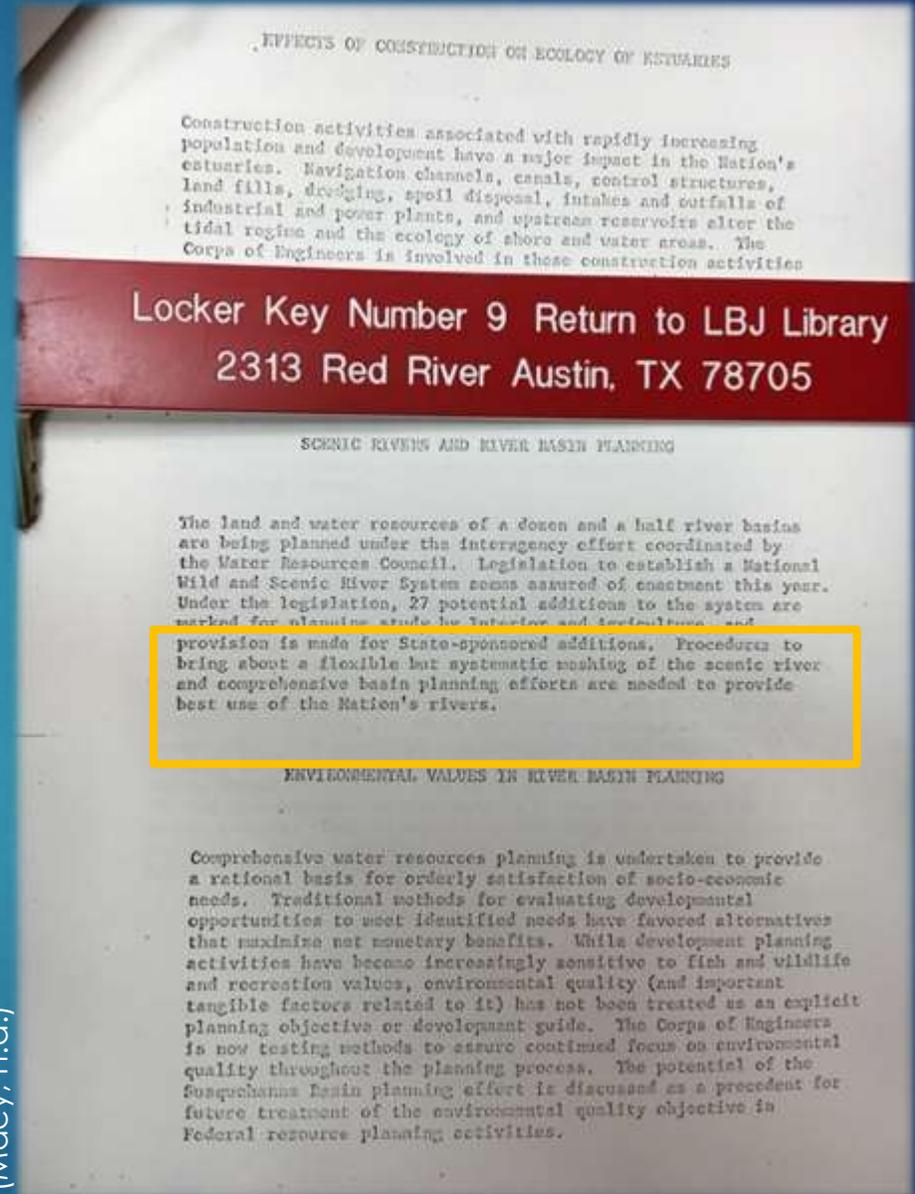
# Water Resources Planning Act of 1965

# Wild and Scenic Rivers & River basin planning

(Johnson, 1969)



(Macy, n.d.)



# Authorities and Classifications

DESIGNATING AUTHORITY	ADMINISTERING AUTHORITY	CLASSIFICATION	TOTAL
Secretary of Interior Section 2(a)(ii)	States with NPS oversight	Wild, Scenic, Recreational, or any combination of these three	19
Congress Section 5(a)	Federal or partnership with state, local, tribal, and/or NGO entities		190



# WASHINGTON REPORT

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## "Ecology"—a strange new word, asks what are we doing to ourselves

"What," Mrs. McGillicuddy asks, "is ecology?"

"That," replied The Professor, "is a very good question."

Ecology is a new word we're going to be hearing more of until it comes running out of our ears.

It's a word like automation or cybernetics coined to explain modern ways and happenings. Ecology is here to stay. It's a real question, however, whether we, the human race, are here to stay. And that, Mrs. McGillicuddy, is what "ecology" is all about.

The fourth of the U.S. Department of Interior's provocative conservation yearbooks asks in the title: "Man—An Endangered Species?" It's a question we must all ask ourselves.

Air and water pollution control are such popular political issues these days that bills to improve the quality of air and water go breezing through Congress with rarely a dissenting vote or even the flicker of a conservative's eye. Of course, we still have plenty of foul air and dirty water to contend with—and it's going to be that way for some time despite strong laws to combat pollution. The rub is often lack of money to pay for what science can do to undo damage science did in the first place. That, and government looting.

But pollution itself is merely a symptom of deeper, much more complex and serious trouble which most of us are just now waking up to.

Ecology is more than dirty air and water. Boiled down to some over-simplified language, "ecology" is what we do to our surroundings, our environment, in so many, many ways.

It's what we once did to ourselves when we exploded nuclear bombs that rained down strontium 90 that contaminated our milk and damaged the genes of future generations of people.

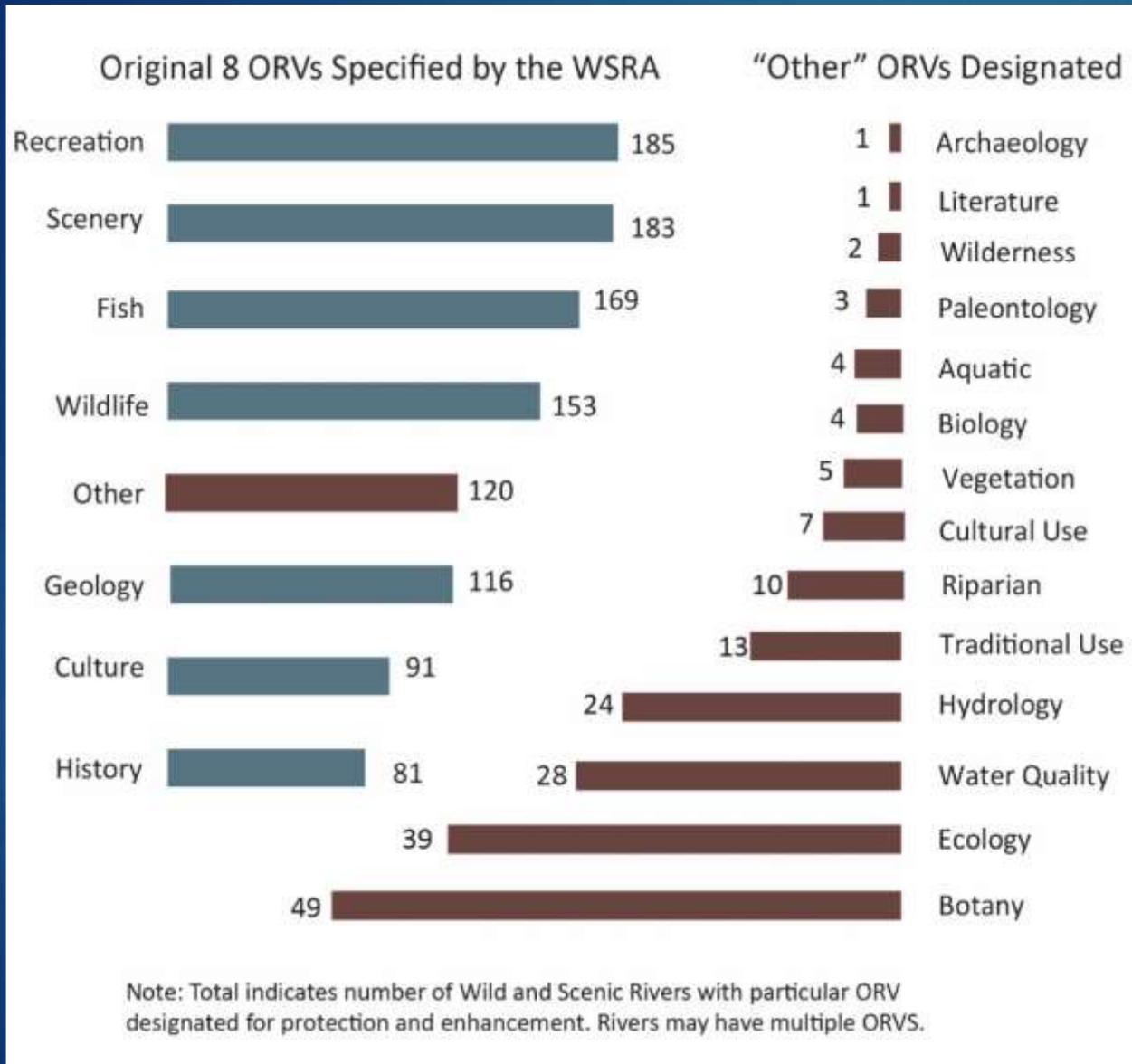
(Continued on page 2)



'ROW, ROW, ROW YOUR BOAT GENTLY DOWN THE STREAM . . .'

Brinkman, 1965. Letter. White House Social Files Alpha File.

# Total Rivers Designated per ORV



The adjectives Wild and Scenic Outstandingly Remarkable Values just don't get politicians on your side (IV11, 2016).

Scenery/ Botany/Vegetation



Water quality



Traditional use



Recreation



Archeology



Wildlife



Fish



Geology

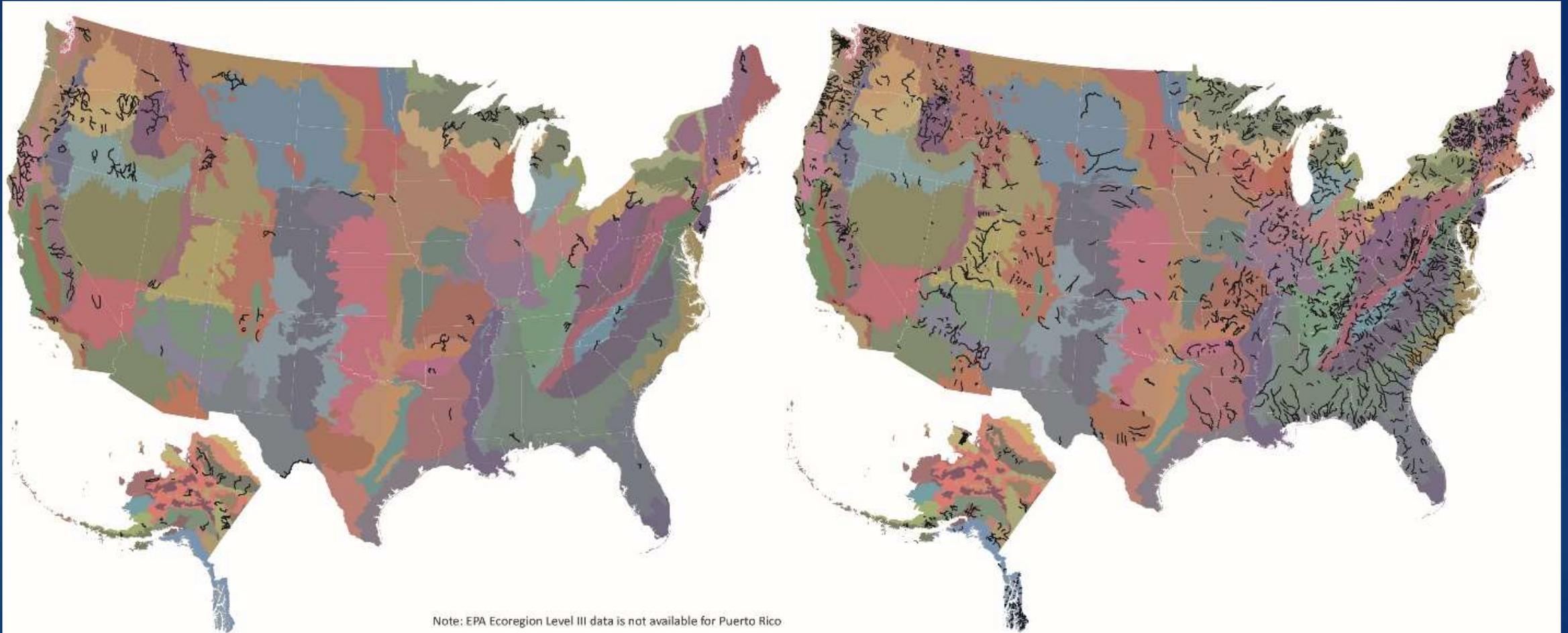


Biodiversity



	PROVISIONING	REGULATING	SUPPORTING	CULTURAL
SERVICE	Food, Fresh Water, Fiber and Fuel, Biochemical products, Genetic materials	Climate Regulation, Hydrological regimes, Pollution control and detoxification, Erosion protection, Natural Hazards	Biodiversity, Soil formation, Nutrient cycling, Pollination	Spiritual and inspirational, Recreational, Aesthetic, Educational
ORVS	Fish, Wildlife, Riparian, Biology, Hydrology, Botany, Ecology, Traditional Use, Water Quality, Vegetation, Aquatic, Wilderness	Geology, Riparian, Biology, Hydrology, Botany, Ecology, Water Quality, Riparian, Vegetation, Aquatic, Wilderness	Fish, Geology, Riparian, Biology, Hydrology, Botany, Ecology, Riparian, Water Quality, Vegetation, Aquatic, Wilderness	Cultural, Fish, Geology, History, Recreation, Scenery, Wildlife, Riparian, Biology, Hydrology, Botany, Ecology, Traditional & Cultural Uses, Water Quality, Aquatic, Paleontology, Vegetation, Wilderness, Literature, Archeology
BENEFITS	<u>Food security</u> , national security, resource management, <u>public health</u> , economic security, <u>resilience</u> , sustainability	<u>Natural infrastructure</u> , resilience, <u>flood mitigation</u> , <u>drought mitigation</u> , public health, national security	Food security, <u>climate refugia</u> , resilience, <u>sustainability</u> , flood recession agriculture	Tourism industry, <u>cultural renewal</u> , mental health, <u>scientific study</u> , <u>economic diversity</u>

(Perry, 2017)



Perry, D. (2017). Reframing the Wild and Scenic Rivers Act: Ecosystem-based Resilience and Adaptation. *International Journal of Wilderness*, 23(2), 41–48.

# National Protected Rivers System Case Study Qingzhu Jian “Bamboo River” – Sichuan Province



# Chinese Giant Salamander (*Andrias davidianus*) “Infant Fish” (娃娃鱼 / 鲵)



Perry, D.M. (In progress). “Dragons, Dams, and Dinosaurs: the Evolution of China's River Principles & Policies.” *Geoforum*.



## Critiques National Protected River System

- ▶ Few free-flowing rivers
- ▶ Lack of will
- ▶ Distrust of central government
- ▶ Lack of inter-provincial coordination

## Integrated Electricity System of Central American Countries (SIEPAC)



## Regional Infrastructure Integration in South America (IIRSA)



Perry, D.M. and Berry, K A. (2016). "Central American integration through infrastructure development: a case study of Costa Rican hydropower" *Regions and Cohesion*, 6(1).

# Río Pacuare,



## Plebiscite, 2005



## President Decree, 2015



President Solís Decrees No Dams

Perry, D.M. (In progress) "Hydropower Capital and Policy Matters: the nexus of climate change, energy development, and conservation in Costa Rica's Rio Pacuare." *Journal of Latin American Geography*.





## JOIN THIS UNIQUE EVENT: 3 DAYS FOR ACTIVISTS, NGOS, EXPERTS, FISHERMEN AND OTHER RIVER LOVERS.

For the first time, people from all over Europe, who fight, campaign, and care for rivers, come together to share experience, create new ideas and new networks.

September  
27-29, 2018

Sarajevo,  
Bosnia-Herzegovina

Special event on 29th:  
open-air concert  
for the Blue Heart of Europe.

**SAVE THE DATE**  
AND SHARE THIS INFORMATION.  
MORE DETAILS WILL FOLLOW SOON.

[www.balkanrivers.net](http://www.balkanrivers.net)

Contact: [jelena.ivanic@czzs.org](mailto:jelena.ivanic@czzs.org)

Thank you - Xie xie – Gracias



# Thank you ~ Gracias



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