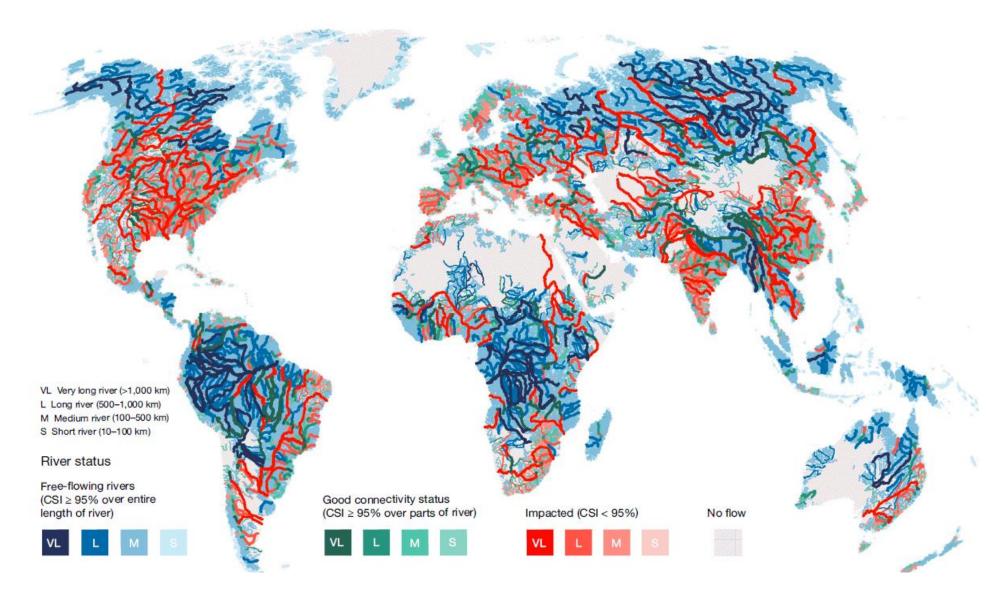
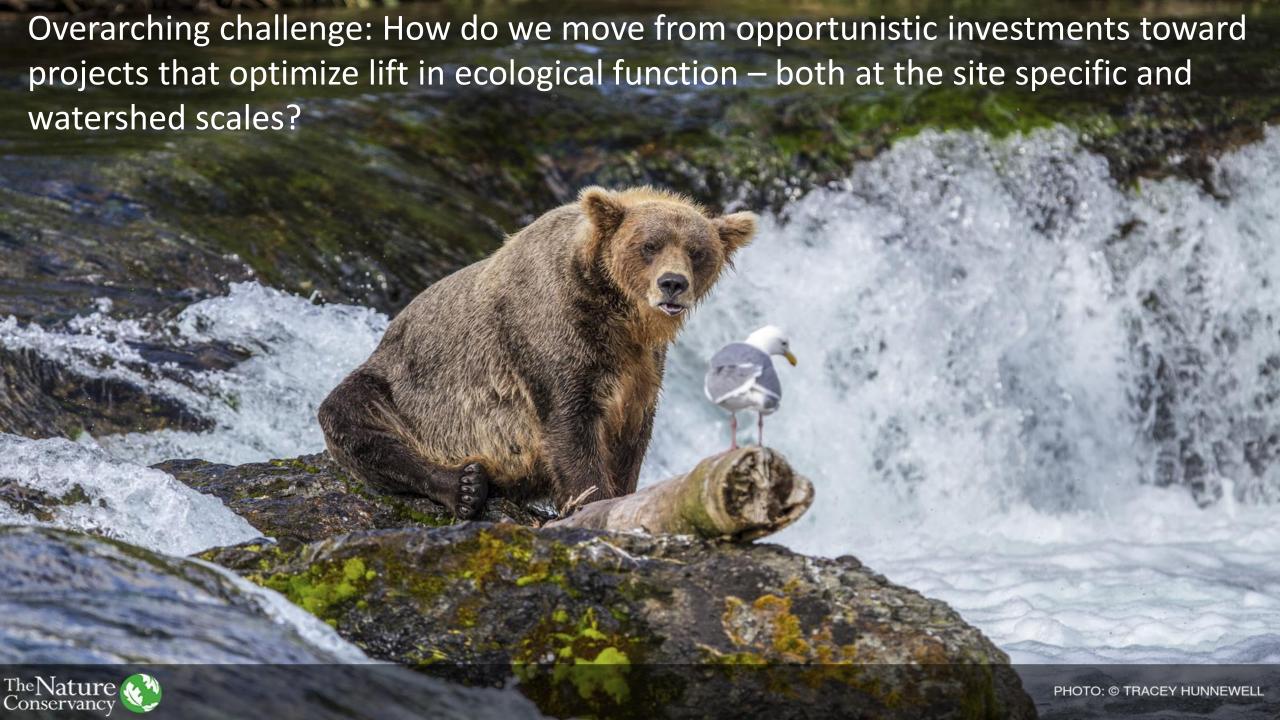


Stream Compensatory Mitigation Webinar Series | What's next? Challenges and opportunities



Global status of free-flowing rivers





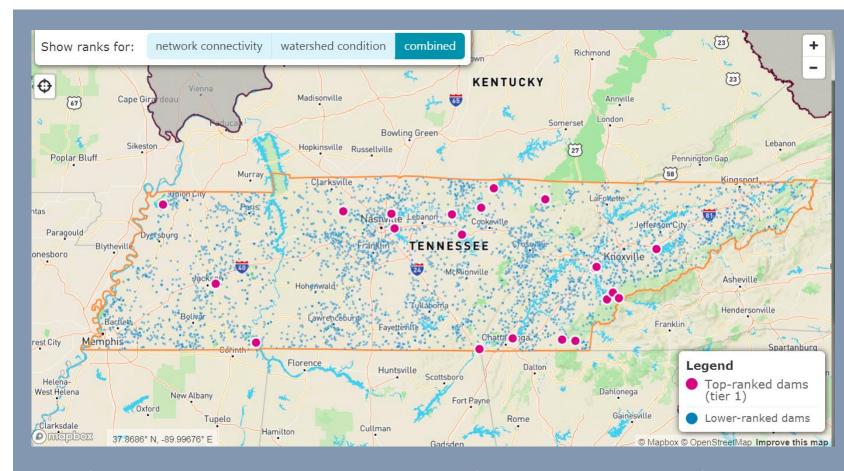
Opportunities – Watershed approach

- We're learning...
- Linking watershed goals to project selection
- Lack of a watershed plan shouldn't preclude evaluation within a watershed context



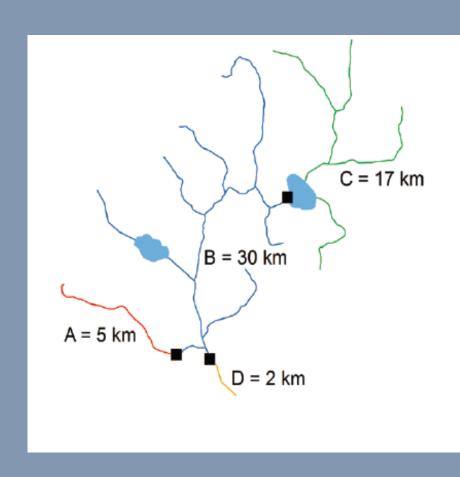
Opportunities – Watershed approach

- Development of agency guidance
- Frameworks for incorporating available data on condition and resilience

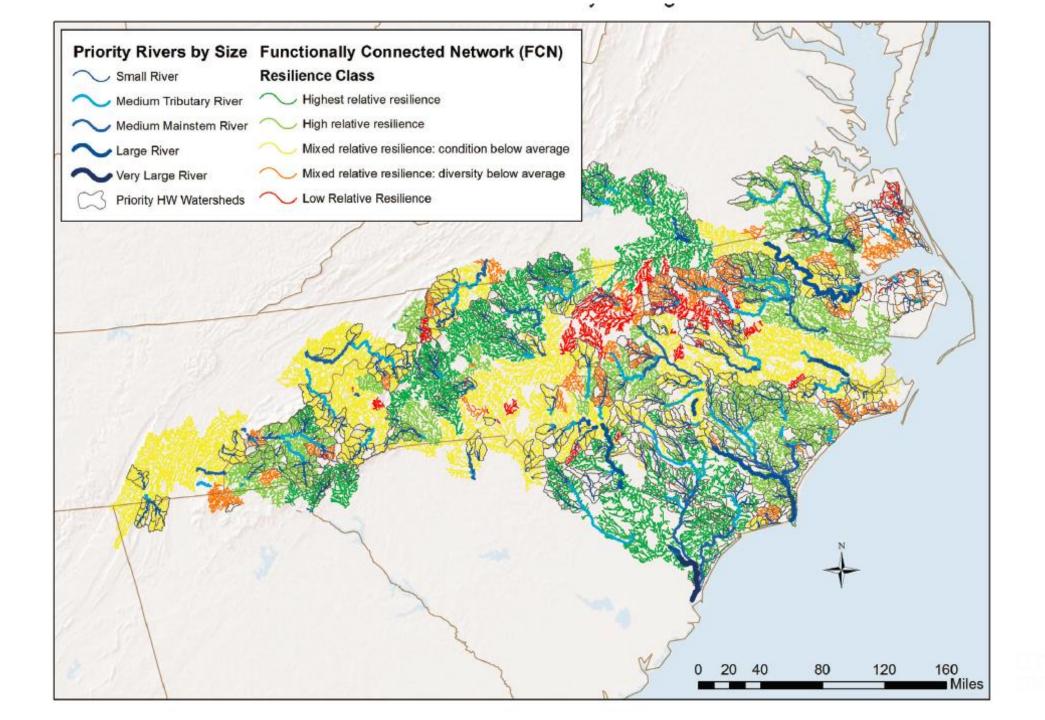


Southeastern Aquatic Resource Partnership Prioritization Tool https://connectivity.sarpdata.com/priority

Opportunities – Watershed approach



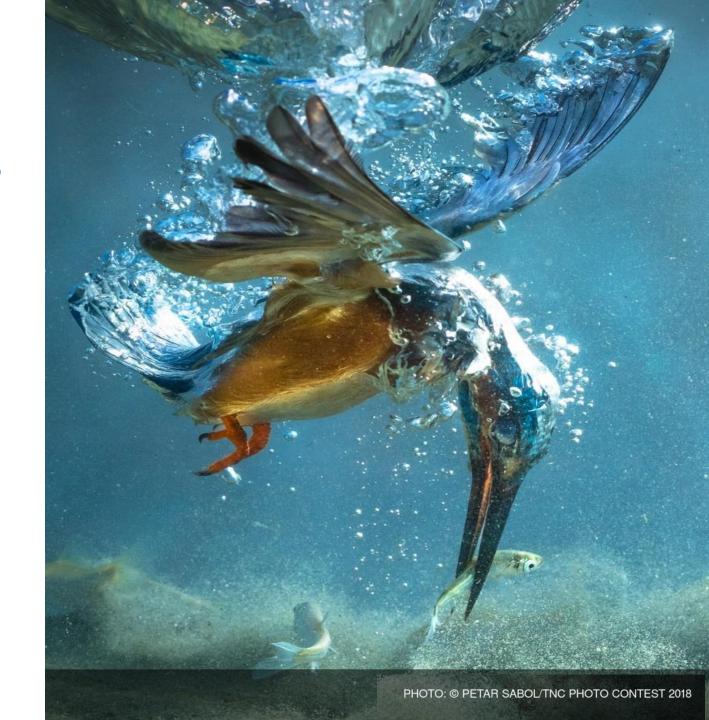
| Physical factors of climate resilience | |
|---|--|
| Setting the stage | 1a. Length of connected network |
| | 1b. Stream and lake size class diversity |
| 2. Adding complexity | 2a. Temperature diversity |
| | 2b. Topographic diversity |
| | 2c. Geochemical diversity |
| | 2d. Groundwater diversity |
| Condition factors of climate resilience | |
| 1. Connectivity | 1a. Floodplain naturalness |
| | 1b. Longitudinal fragmentation |
| 2. Flow | 2a. Risk of hydrologic alteration |
| | 2b. Groundwater alteration |
| 3. Water quality | 3a. Catchment permeability |
| | 3b. Sediment regime alteration |





Opportunities – Crediting methodologies

- Creating a base system that can be regionally tailored
- Reasonable number of metrics that do not require precise measurement



Opportunities – Crediting methodologies



Key principles

- Science-based
- Reasonably precise measure of function/condition
- Transparent method
- Stakeholder input
- Easy to implement
- Roughly proportional
- Considers landscape context

Opportunities – Multi-purpose projects

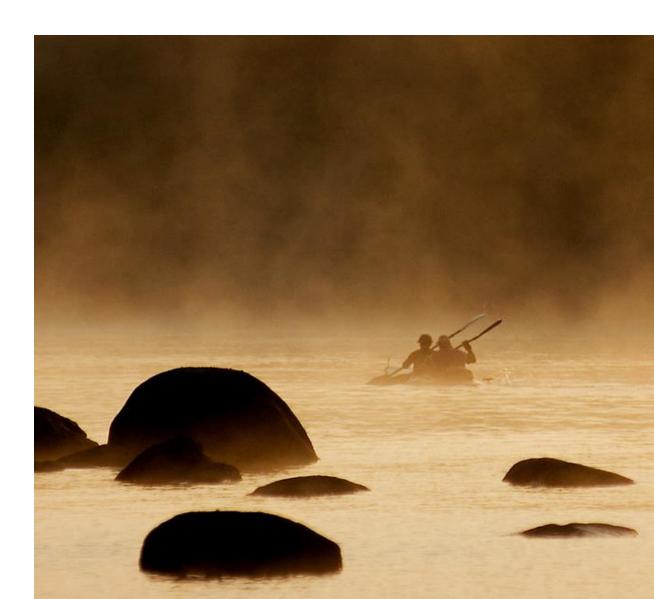
Clean Water Act

- S.401
- S.404
- S.303d

Endangered Species Act

Federal Power Act

Oregon Fish Passage Mitigation Banking Pilot Project



Opportunities – Multi-purpose projects

Clean Water Act

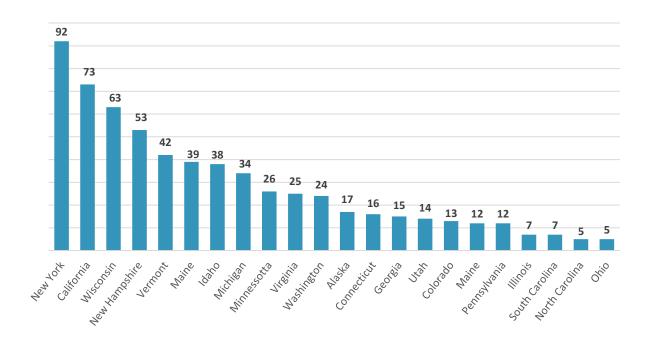
- S.401
- S.404
- S.303d

Endangered Species Act

Federal Power Act

Oregon Fish Passage Mitigation Banking Pilot Project

Hydro Re-licensing (Federal Power Act) 1



More than 500 facilities over the next 10 years

