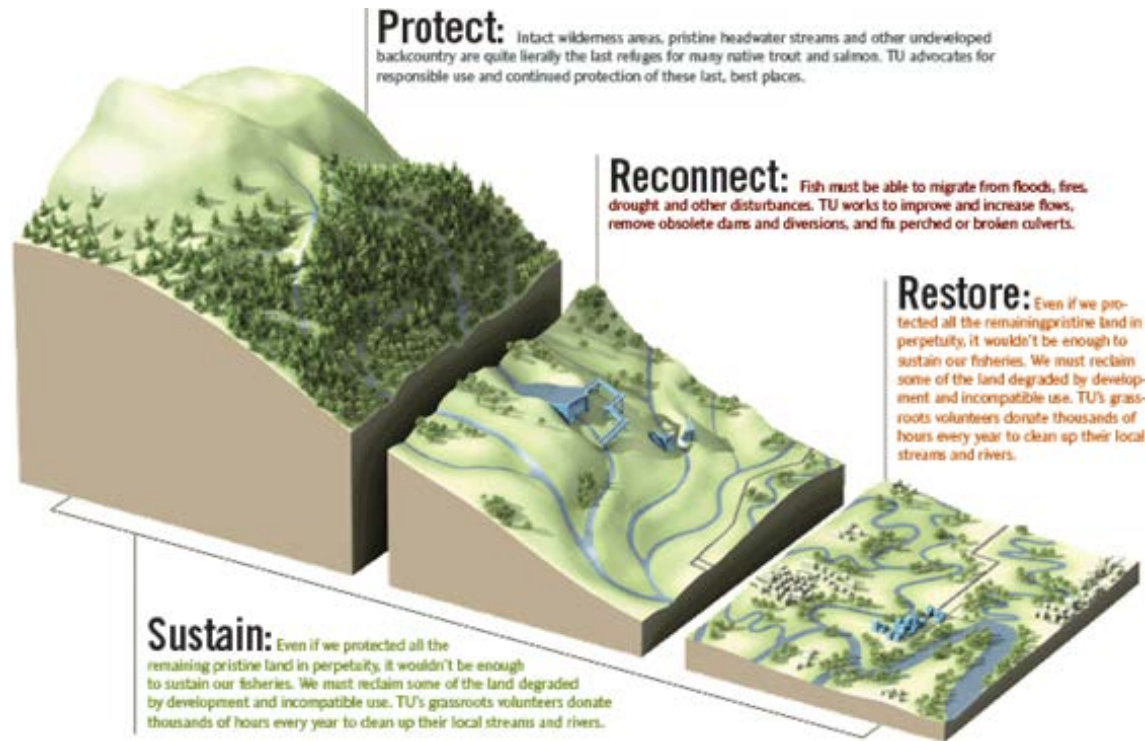


EnviroDIY Brings Together Non-Profits, Communities, and Agencies to Monitor Aquatic Resources



www.tu.org

TU Community gathering scientific information about the fish and the places they love.



Trout Unlimited's watershed approach to coldwater fisheries management includes Protect, Reconnect, Restore and Sustain elements, providing an important approach to climate change adaptation and many other complex problems affecting stream systems. Illustration by Bryan Christie Design for TU.

















Importance of Temperature



Favored Temperature Ranges

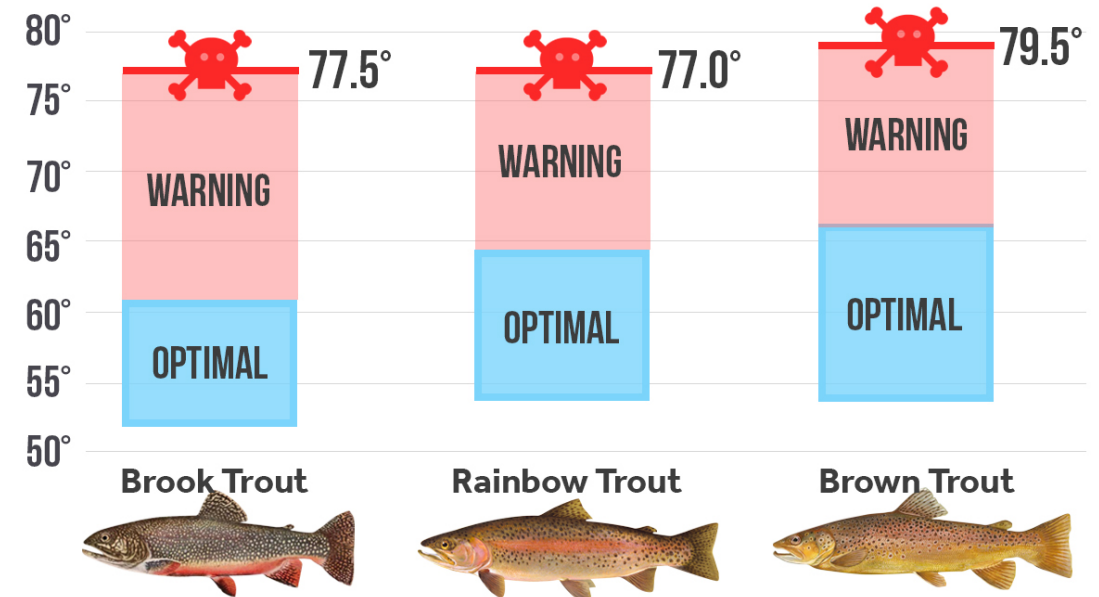
Listed below are the favored temperature ranges where digestive systems function best, and the oxygen content is high enough. Usually, the best conditions exist in the middle of the range.

FAVORED TEMPERATURE RANGE

	55° to 73°		55° to 72°
Muskellunge		Yellow Perch	
	55° to 75°		50° to 65°
Northern Pike		Rainbow Trout	
	53° to 72°		42° to 55°
Walleye		Lake Trout	
	65° to 75°		44° to 60°
Crappie		Coho (Silver) Salmon	
	65° to 75°		52° to 73°
Bluegill		Brown Trout	
	60° to 77°		48° to 65°
Largemouth Bass		Brook Trout	
	58° to 71°		44° to 60°
Smallmouth Bass		Chinook (King) Salmon	

Warming Out of Range

Trout temperature zones



Source: Morrow, Jr. and Fisichenich, 2000

CLIMATE  CENTRAL












TU's Community Science Framework

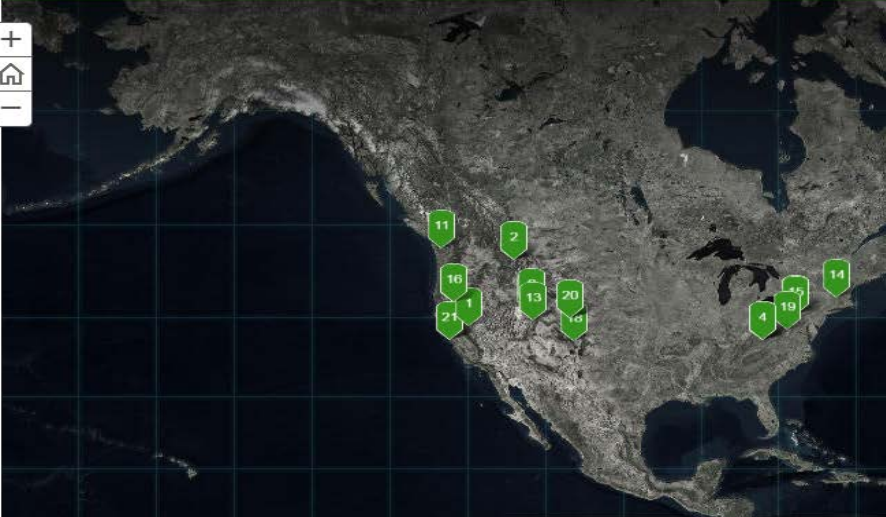


- Science Team
- Volunteer Operations
- Science Coordinators
- Project Staff
- TU Grassroots

TU's Science Network
Introducing TU's core science team and network of scientifically-focused program staff

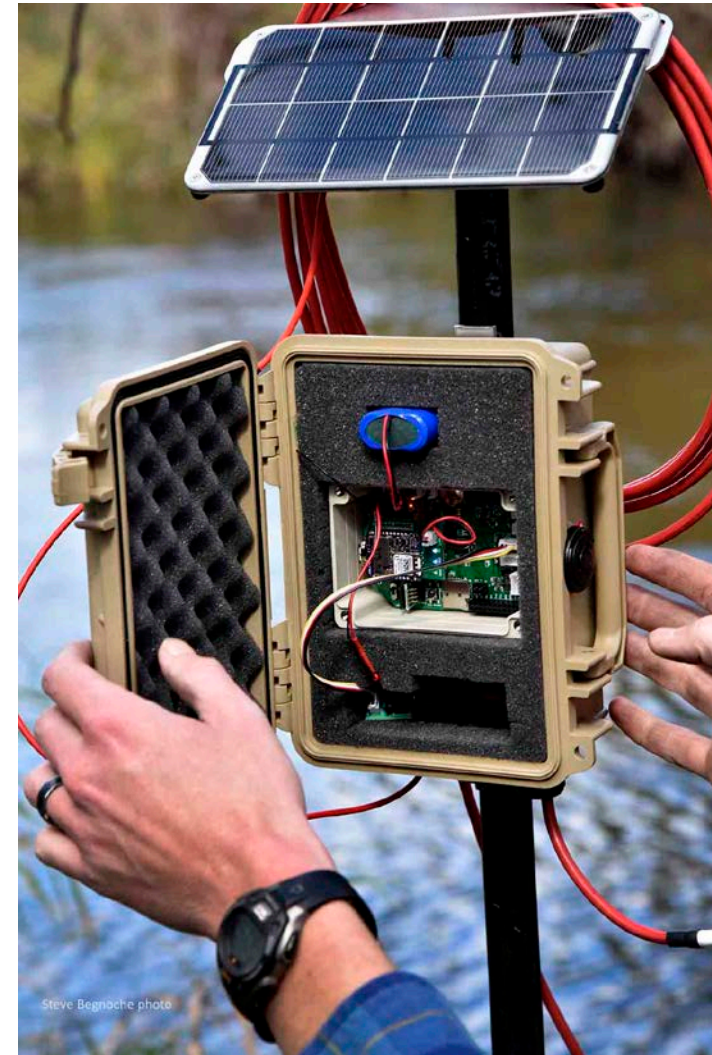
Core Science Team Embedded Program Staff

 1 Jason Barnes, Lahontan Cutthroat Trout...	 2 Christine Brissette, Special Projects...	 3 Paul Burnett, Utah Water and Habitat...
 4 Seth Coffman, Fisheries Sciences Director	 5 Warren Colyer, Director, Western Water and...	 6 Jim DeRito, Fisheries Restoration Coordinator
		

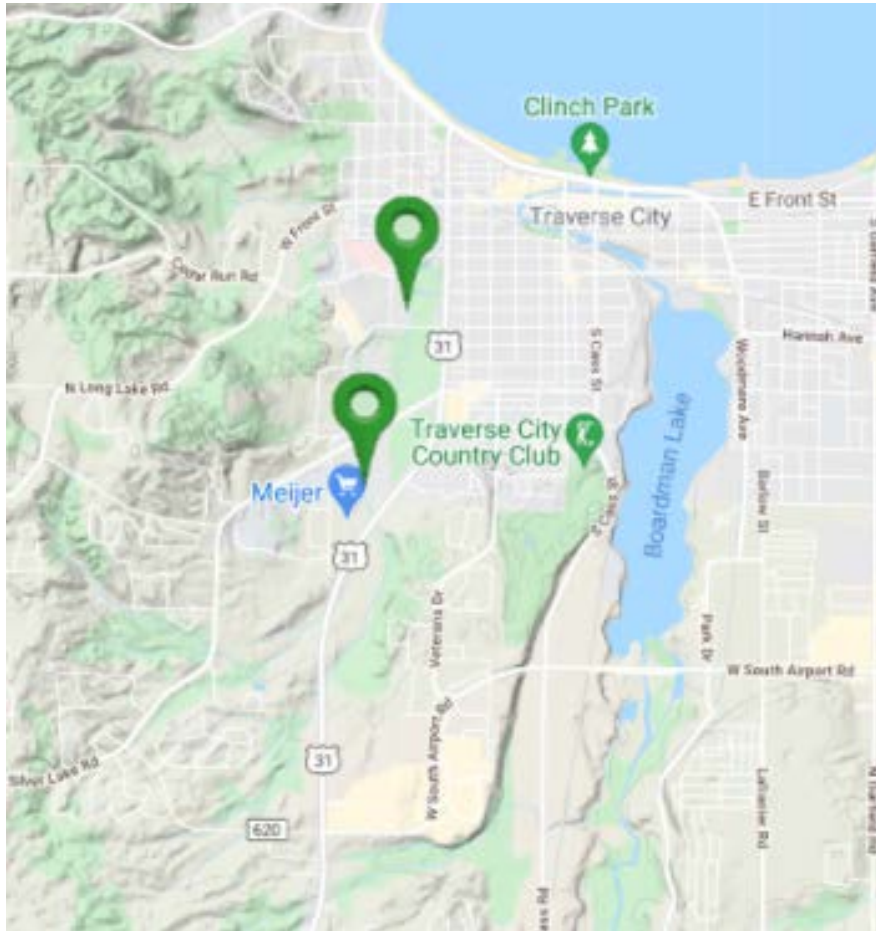


<https://www.tu.org/science/science-engagement/community-science/>

How We Work



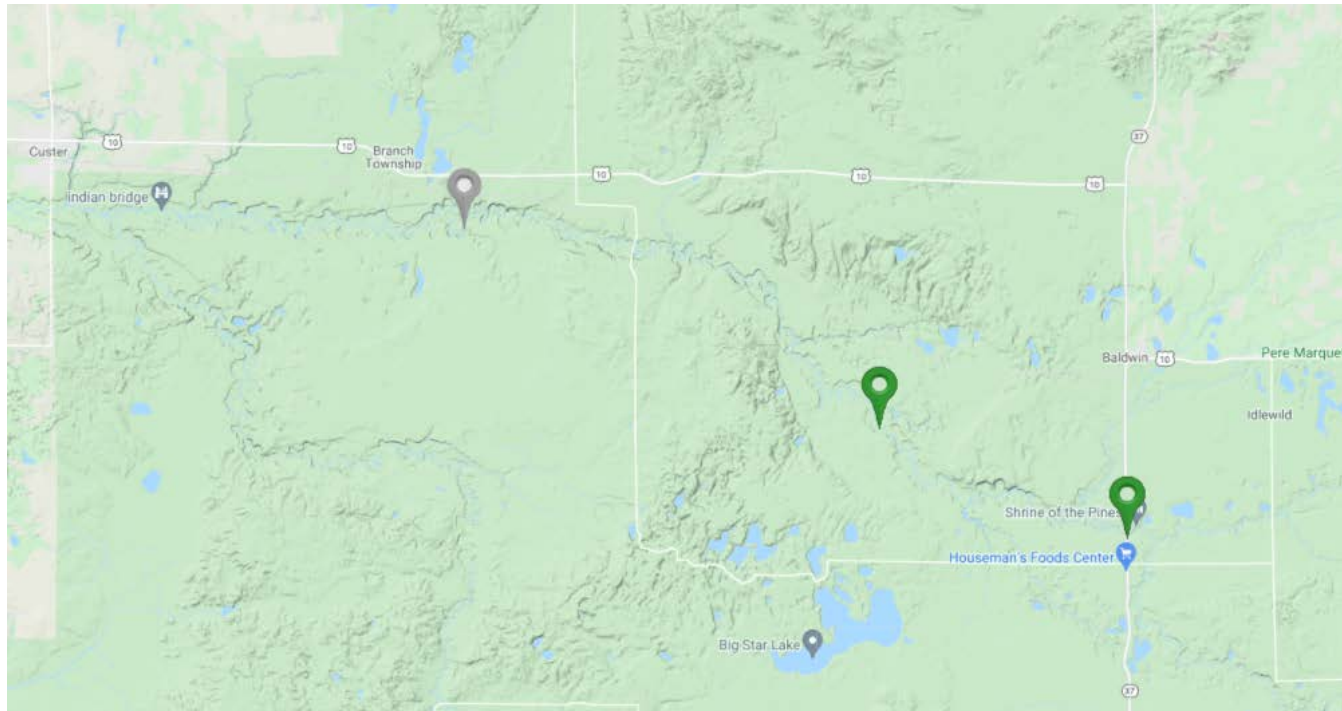
Kids Creek



Leveraging Recreation to Monitor Aquatic Resources



Pere Marquette Watershed



Beaver Dam Analogs: A Solution for Suspended Sediment

BDA in Truckee River Basin, CA



Sycan River, Oregon

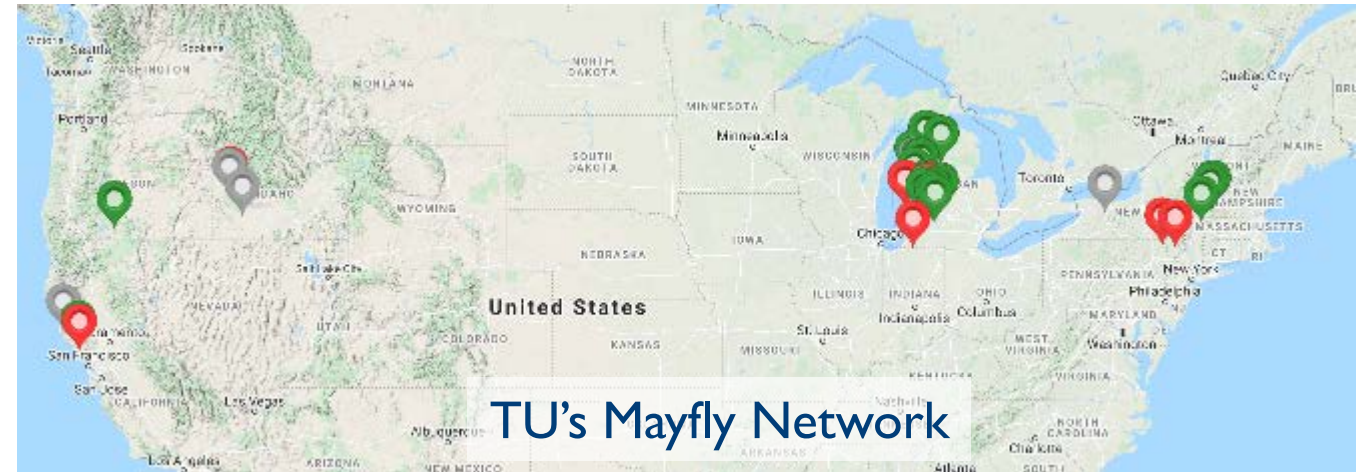


Maintaining in-stream flows by monitoring irrigation

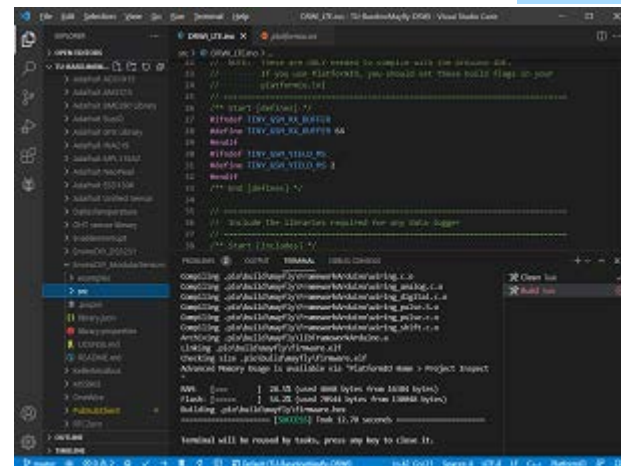


Technical Challenges and Solutions

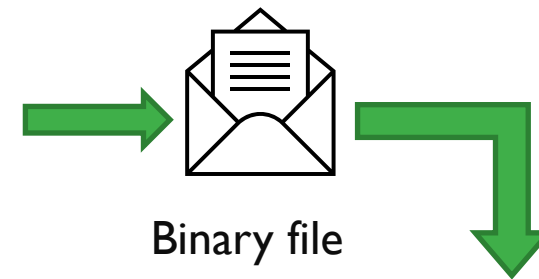
Q: How to support Mayfly deployments across a nationwide organization?



A: Limit the spread of complexity.



Development Environment

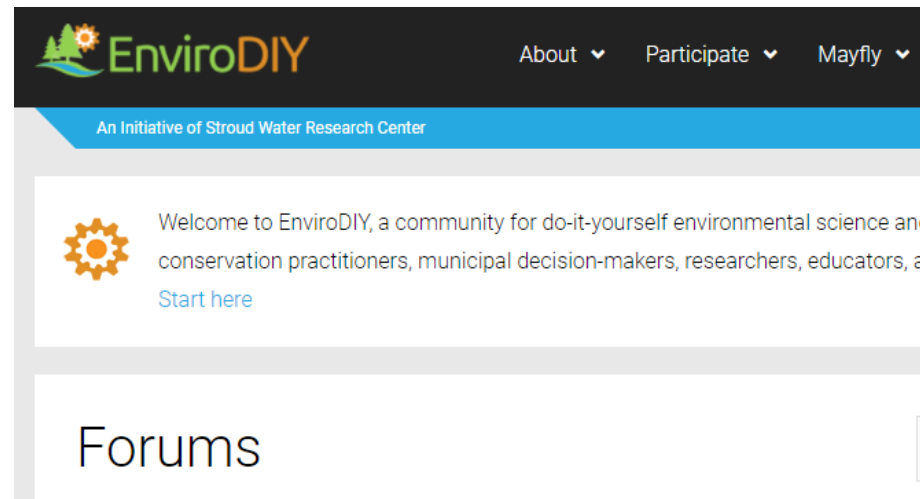


Technical Challenges and Solutions, continued



Q: How to support Mayfly deployments across a nationwide organization?

A2: Leverage EnviroDIY community as much as possible!





Contacts

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Thank you!

