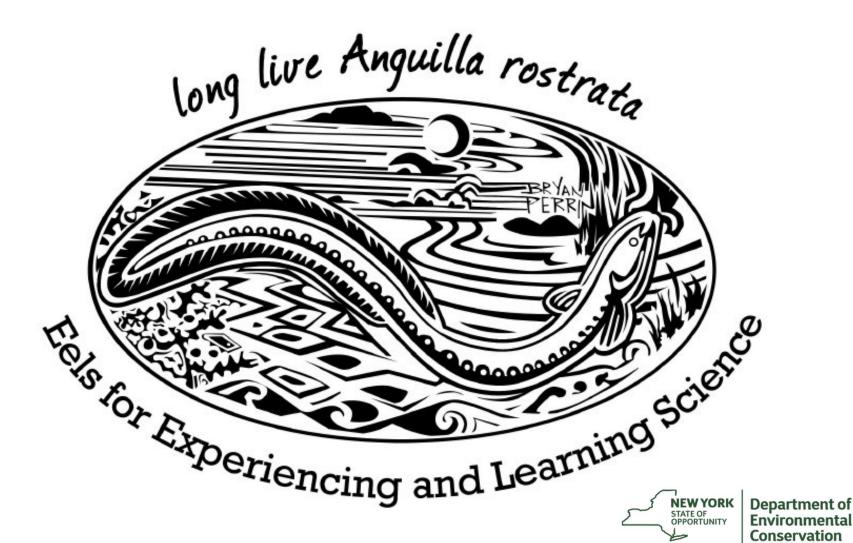
The Eel Project: Everyone is Part of Busting Barriers



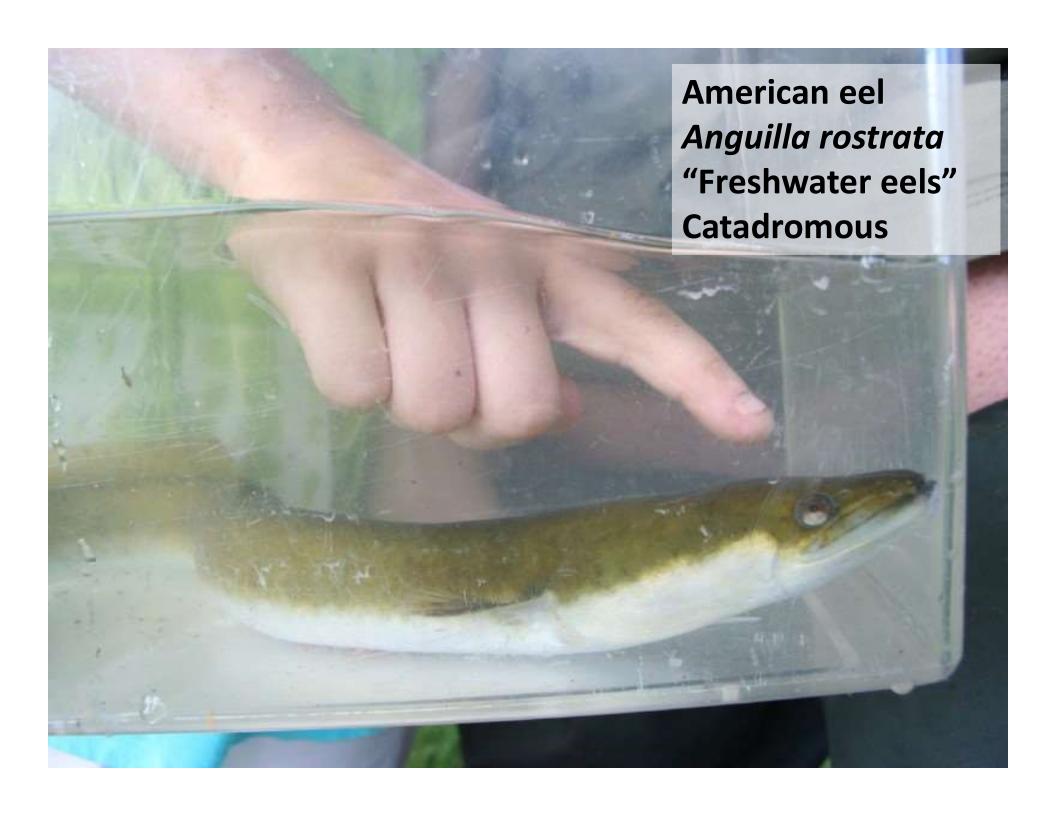
Chris Bowser chris.bowser@dec.ny.gov

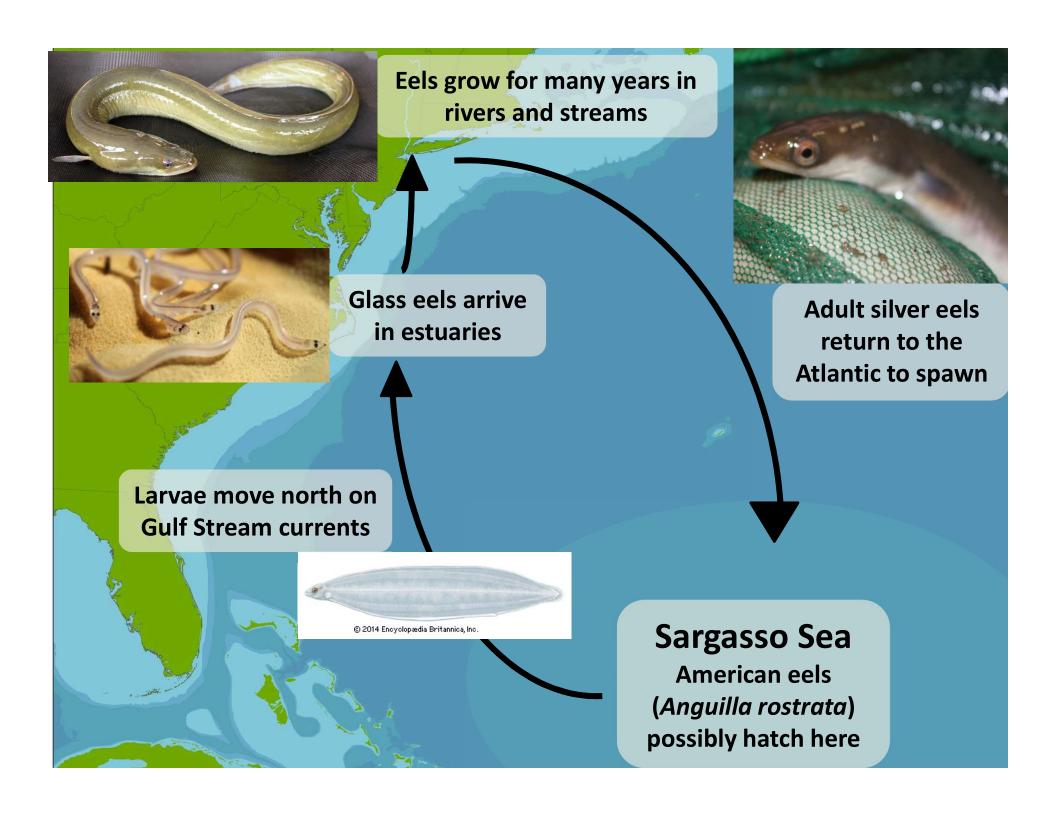


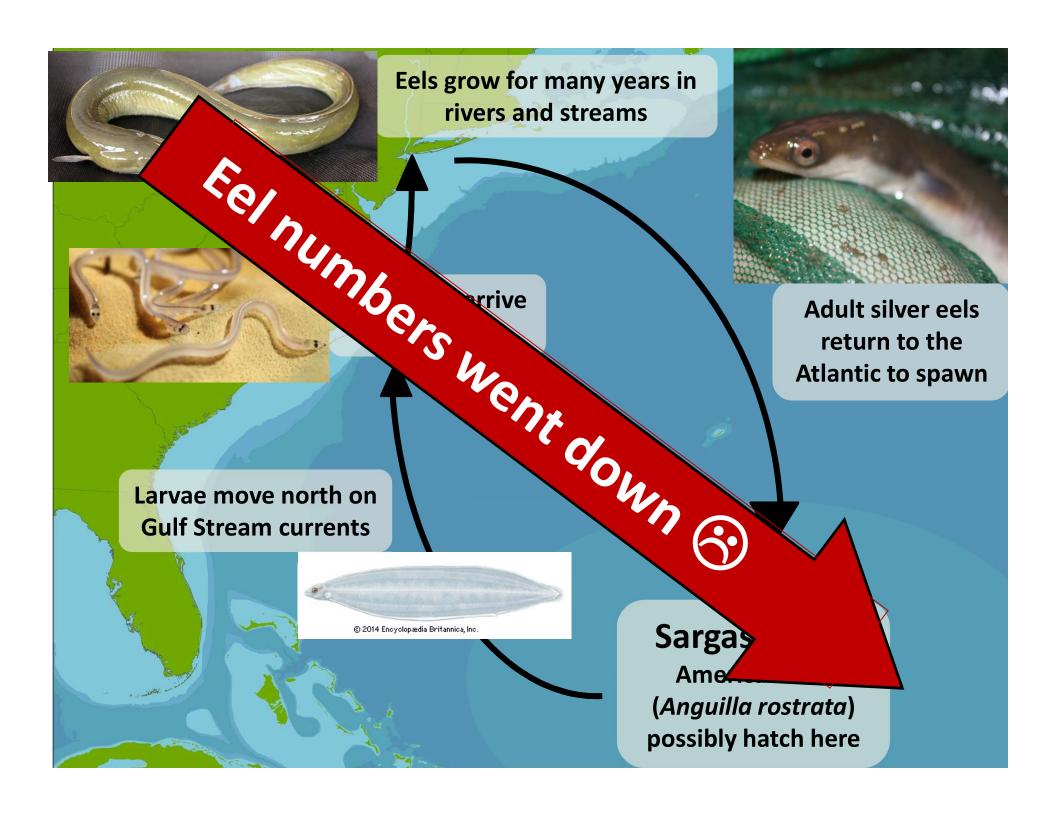








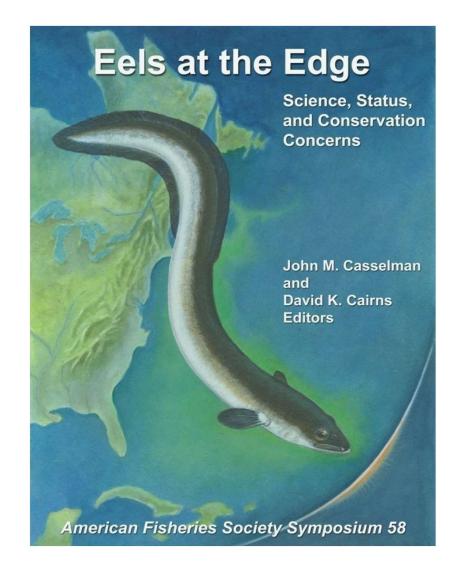




Possible Factors Causing Recent Eel Declines

Historic order of impact:

- 1. Habitat loss
- 2. Dams and barriers
- 3. Water pollution
- 4. Overfishing
- 5. Hydroelectric turbines
- 6. Climate change
- 7. Food web changes
- 8. Parasites

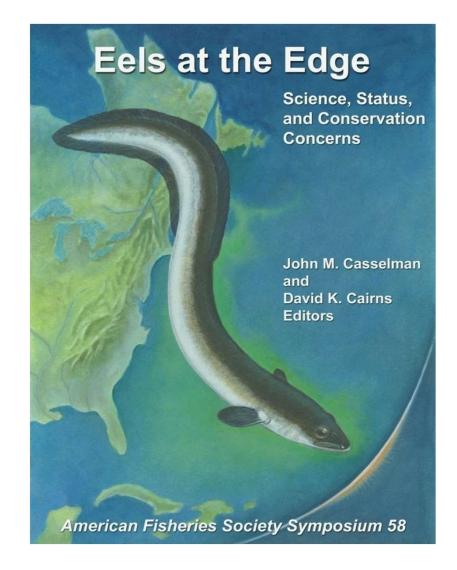


(adapted from John Casselman, Queens University)

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When and where are glass eels arriving?







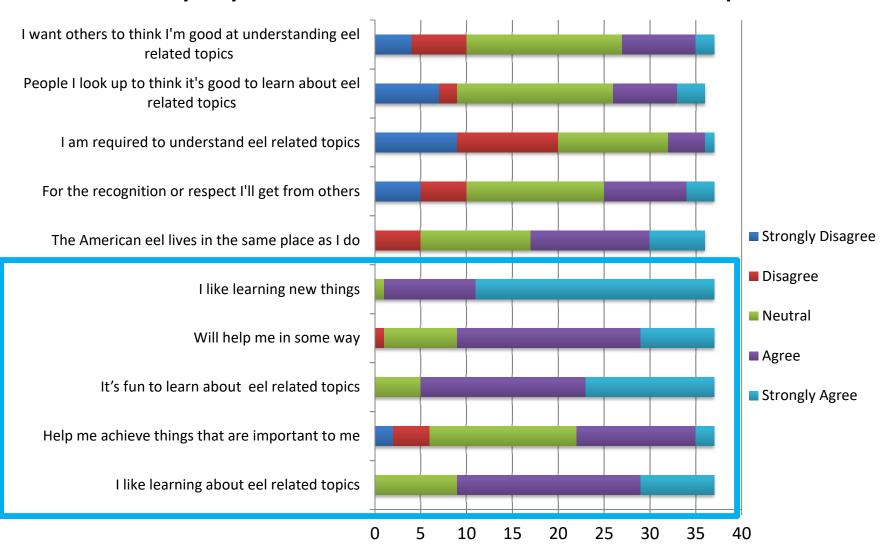
- Each spring, nets are placed in the mouths of streams
- Teams of trained volunteers catch, count, and release eels
- Project follows coast-wide scientific protocols



Over 1.6 million eels released above barriers since 2008

Why do volunteers participate in the eel project?

Why do you choose to learn and understand eel related topics?



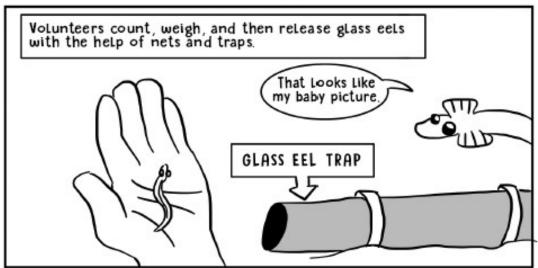
Internal motivators matter more than external ones.







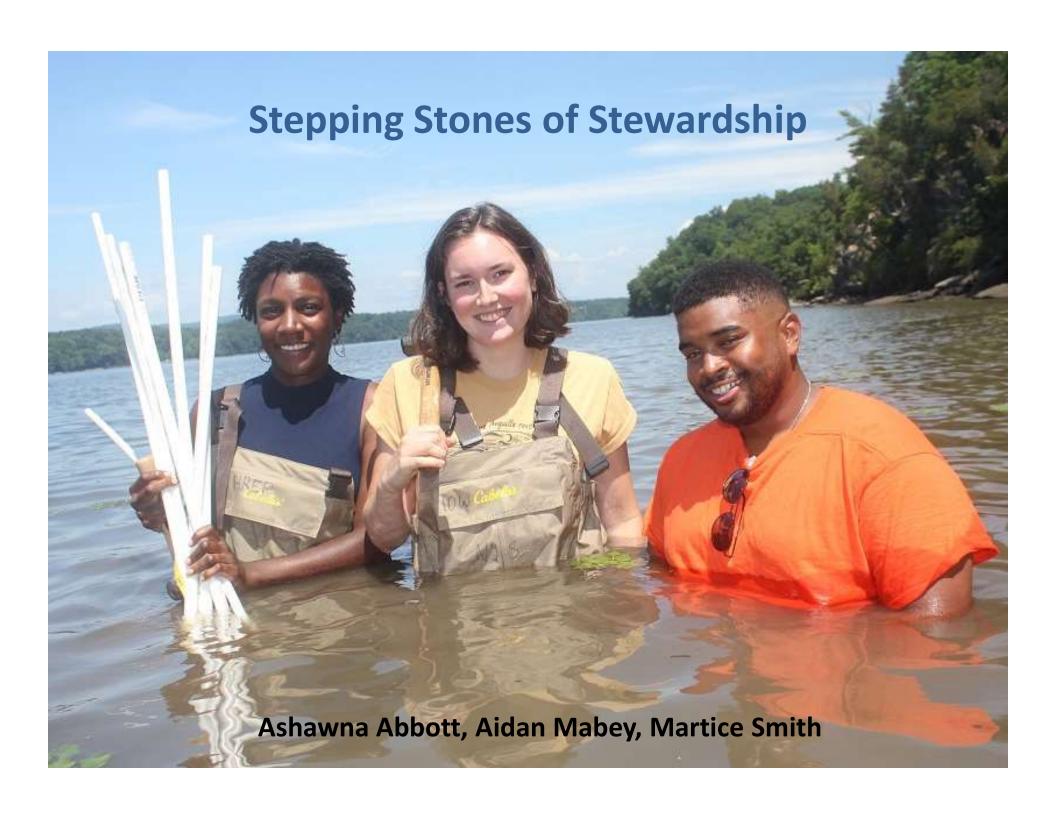
How to expand volunteer engagement











Eels and River Barriers



Eel ladders to get elvers past dams

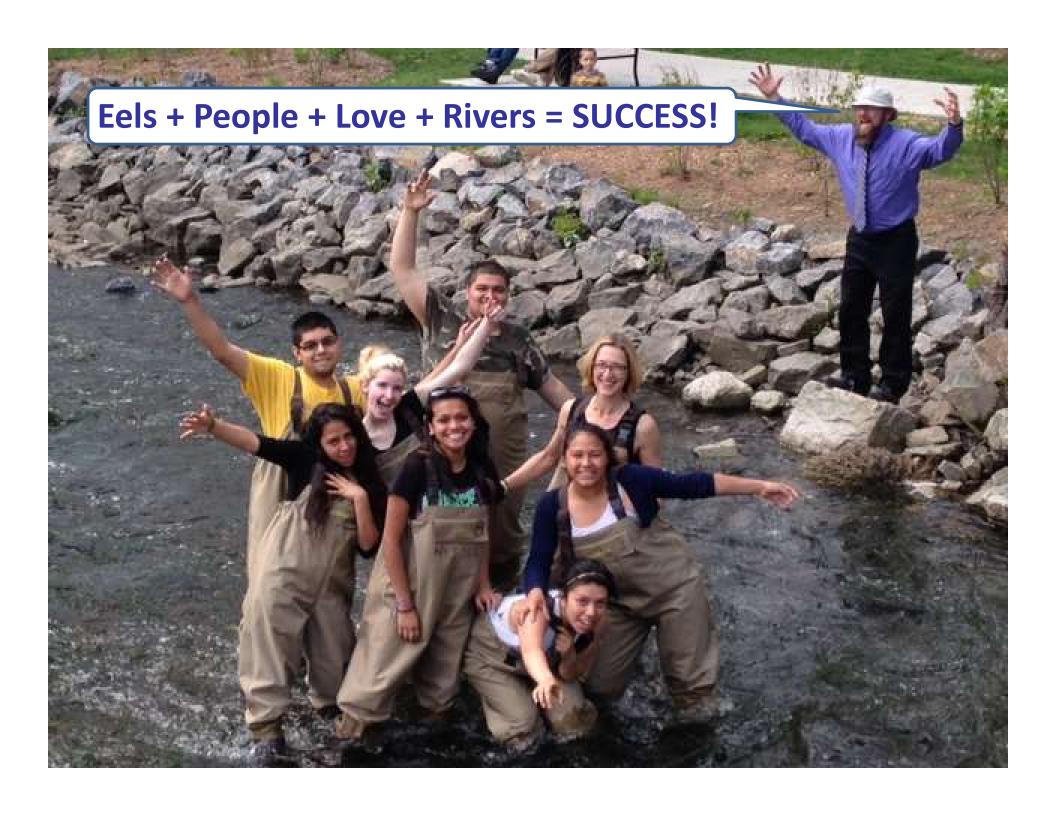




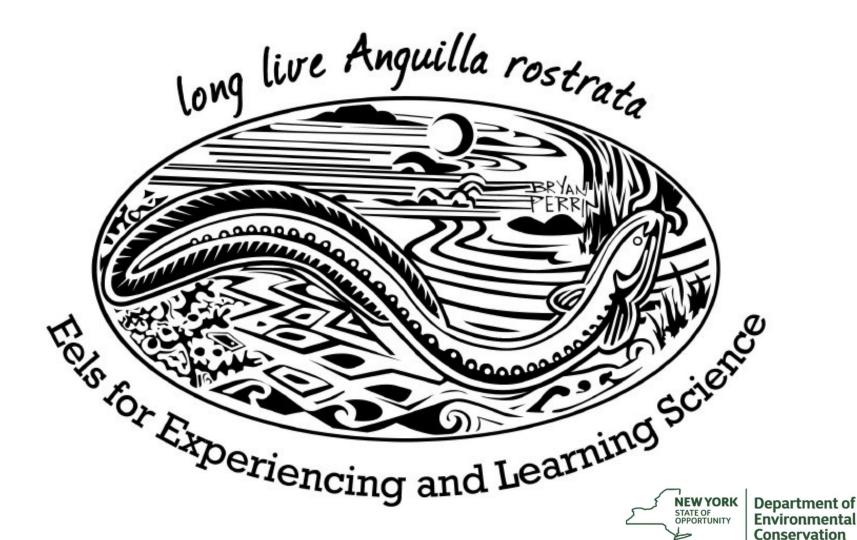


What are the ingredients for a good community-science project?

- #1: Partners
- The "ooh" factor
- Wide range of habitats
- Diverse volunteers
- Limited sampling season
- Frequent data points
- Clear methods
- Feedback & Challenge
- Conservation need
- HEROES



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