

Fish in the Poudre's Transition Zone

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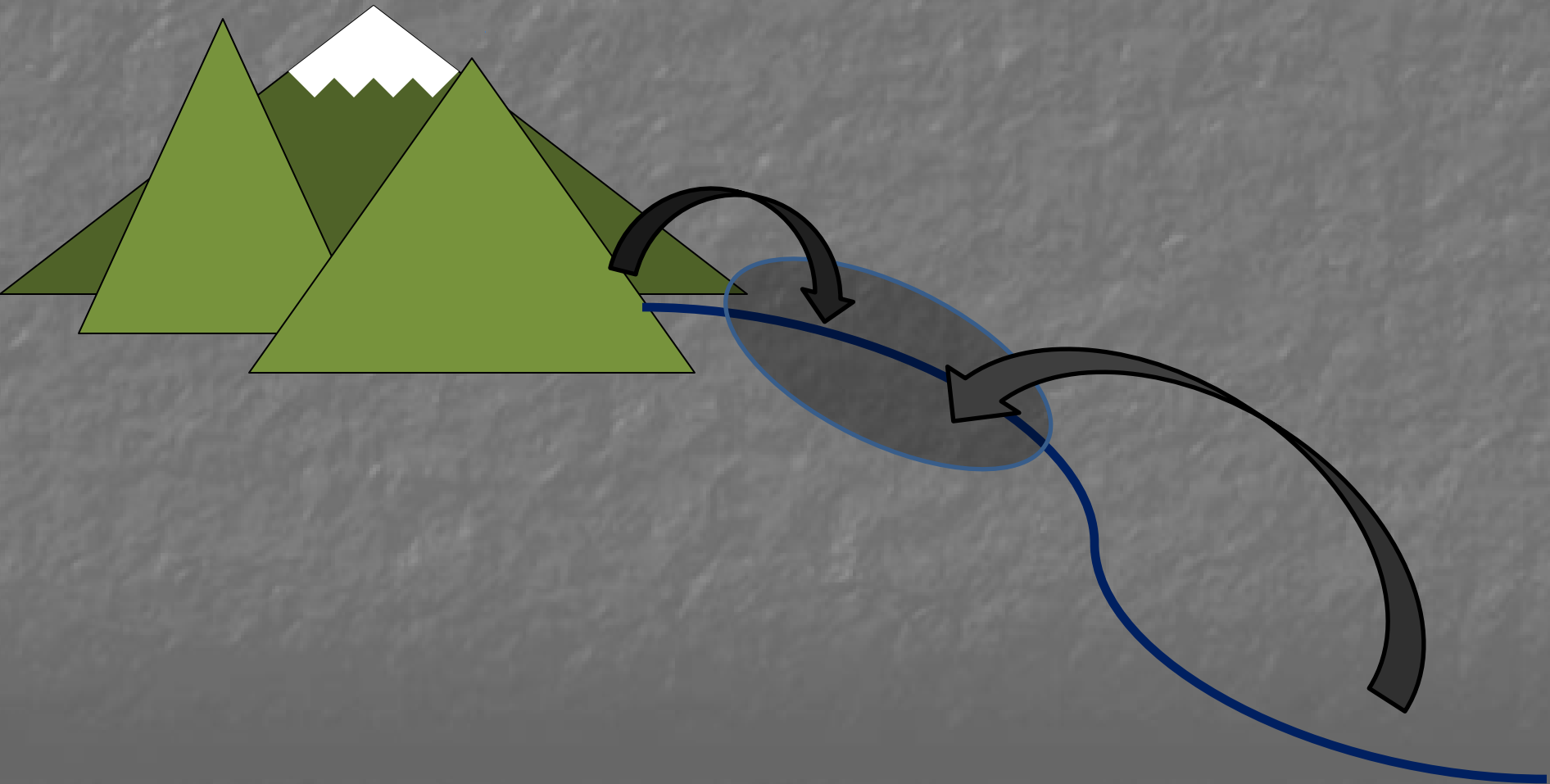




Outline

1. Uniqueness of transition zone fishery
2. Multiple fishery values of the Poudre River
3. Human induced changes to fish community

The transition zone: A unique aquatic environment



Multiple fishery values: sportfishing

- 1,000 to 1,800 trout per mile in Fort Collins City Limits
- Two introduced trout species – brown and rainbow trout
- 1073 angler hours per month
- Economic Impact = \$67/day, per angler



Multiple fishery values: native fish conservation

- 32 native species in South Platte Basin
- 21 native species historically in Poudre
- Indicators of river health



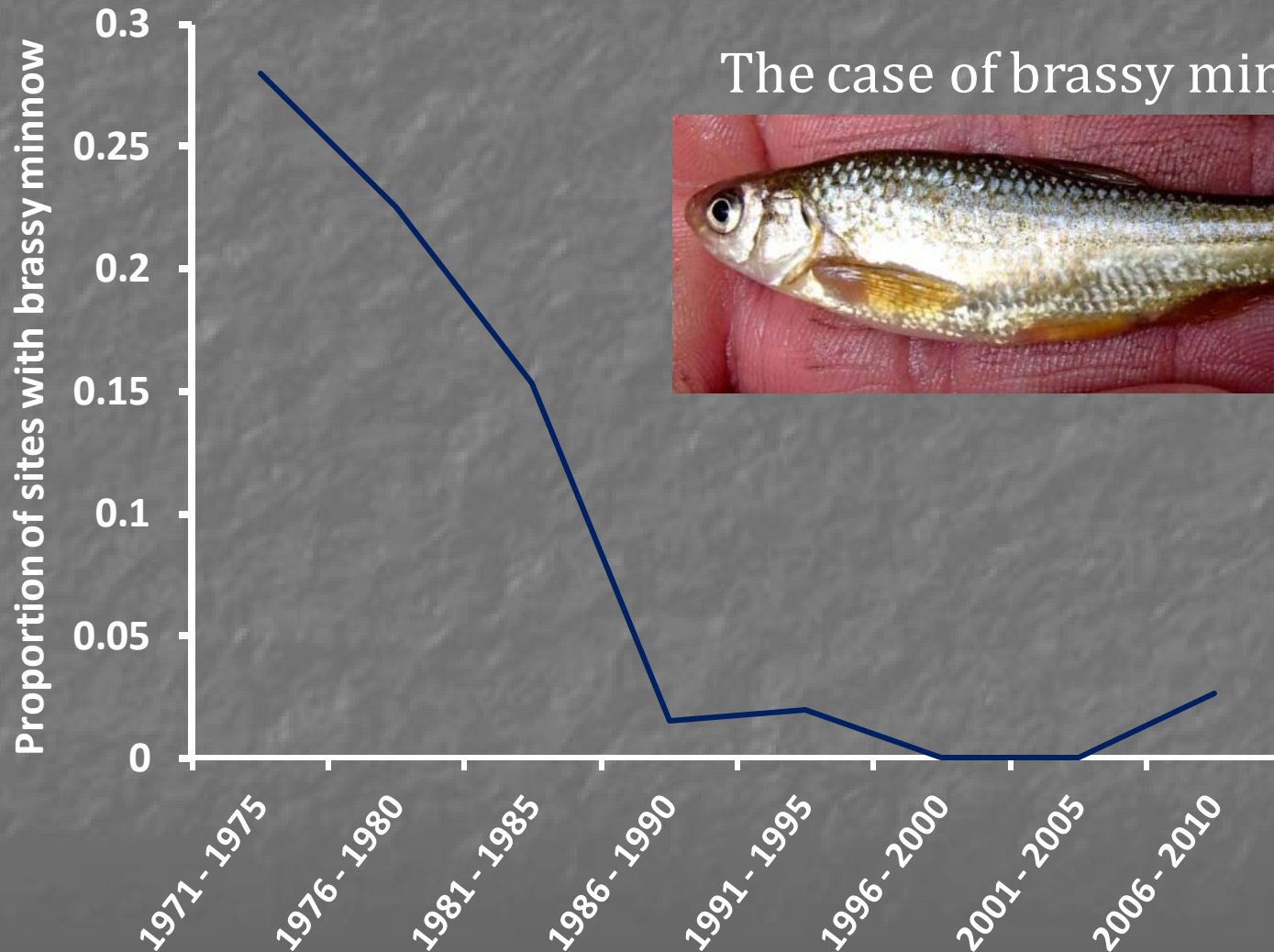
Human induced changes to Poudre River native fish community



The case of common shiner



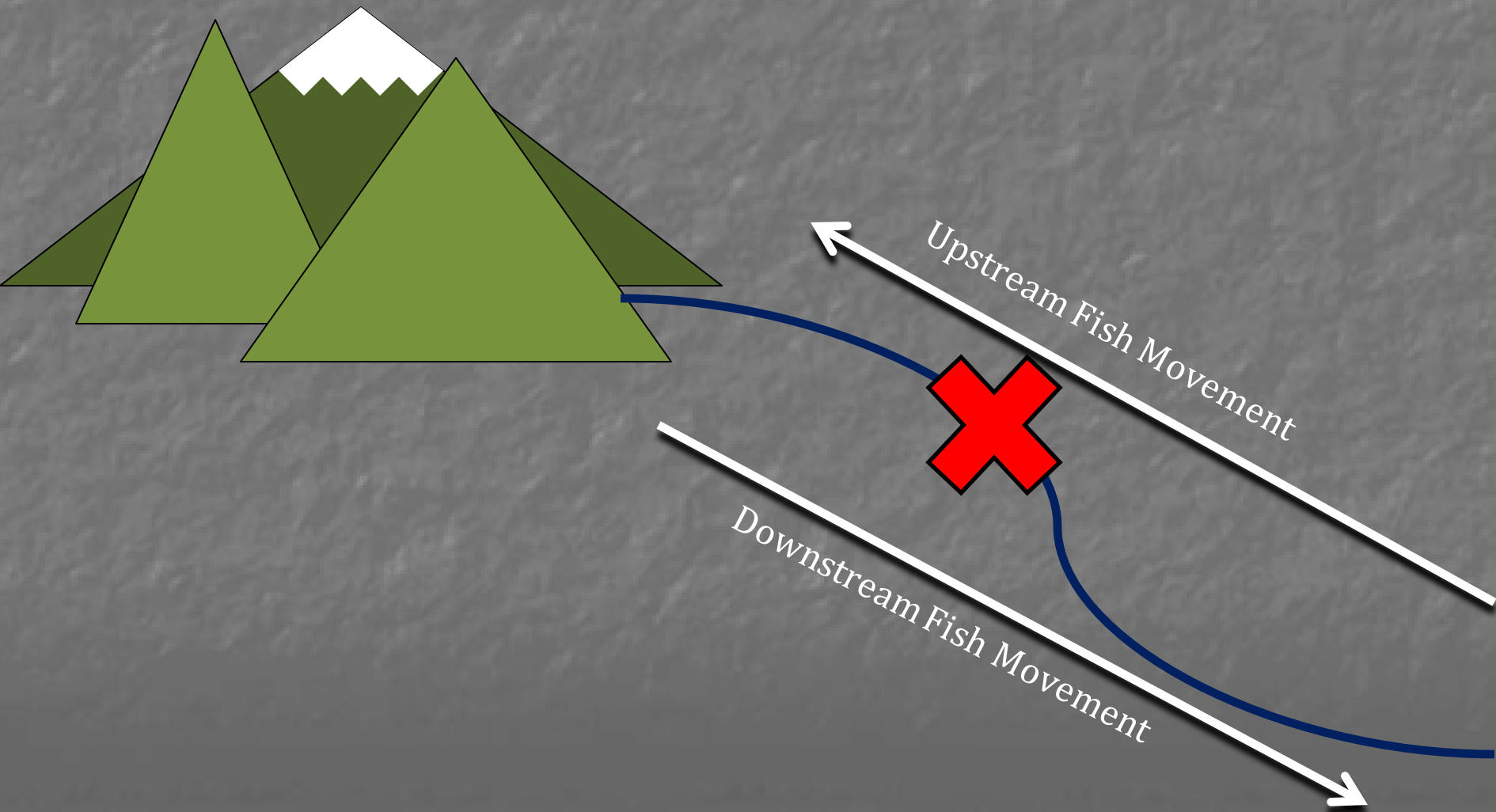
Human induced changes to Poudre River native fish community



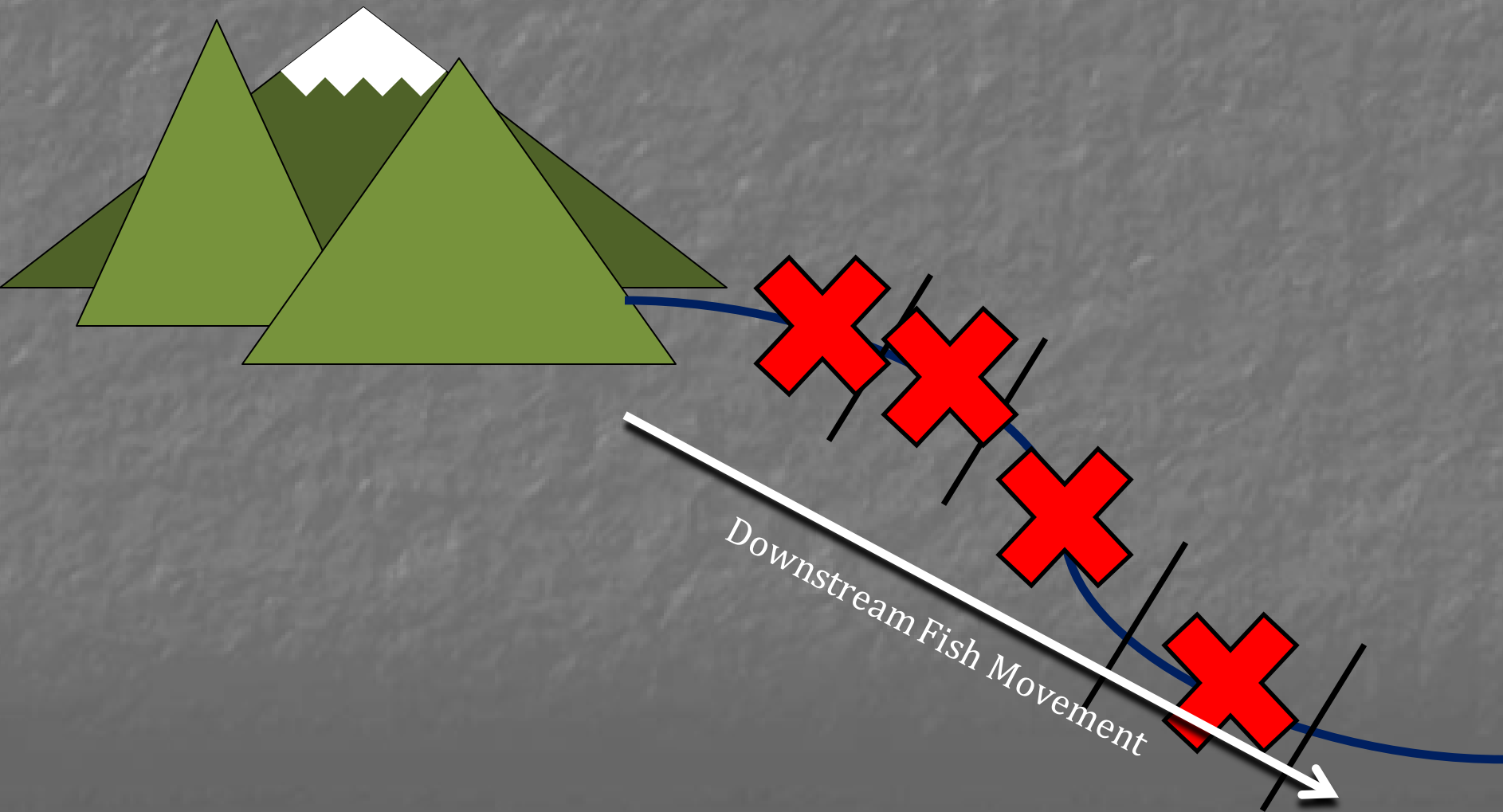
The case of brassy minnow



Human induced changes to Poudre River native fish community



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Opportunities

- Floodplain connectivity
- Longitudinal connectivity
- Water quality
- Flows