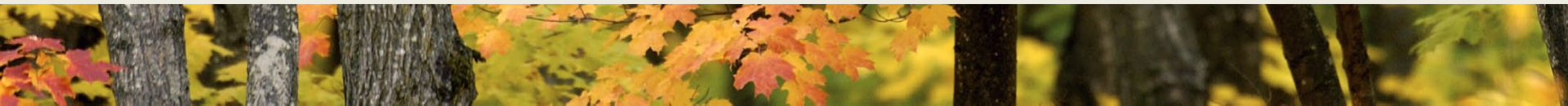




Status of Lake Trout Populations at Offshore Reefs in Lake Superior

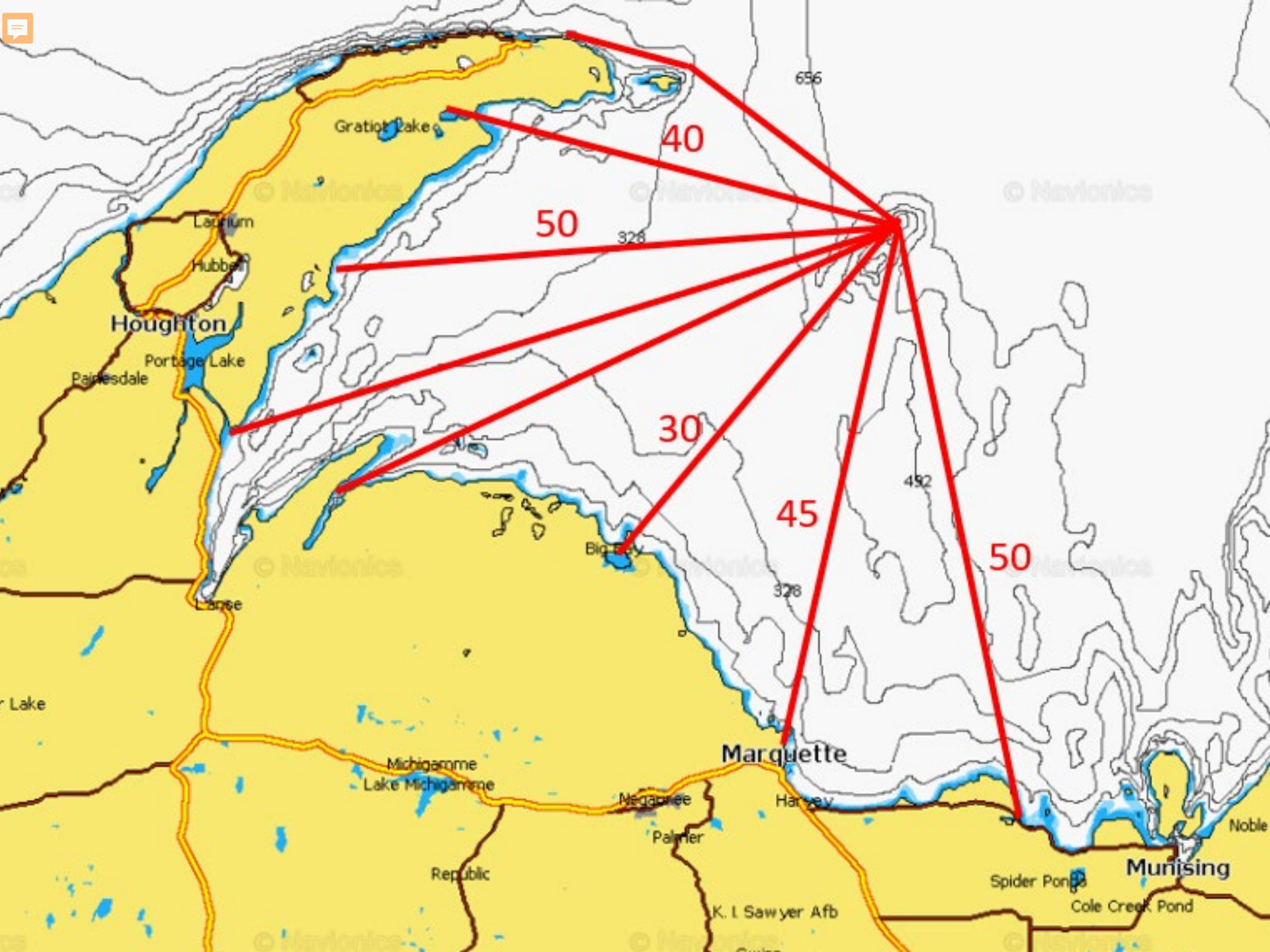
October 12, 2023 NRC Fisheries Committee





- 45 miles north of Marquette
- Around 9 square miles
- Most remote lighthouse in U.S.







Angler Concerns



- **Anecdotal concerns about higher effort and harvest**
- **Social media “spreads the word” about the fishery**



Survey Methods



Lake Trout Ecotypes



Lean



Redfin



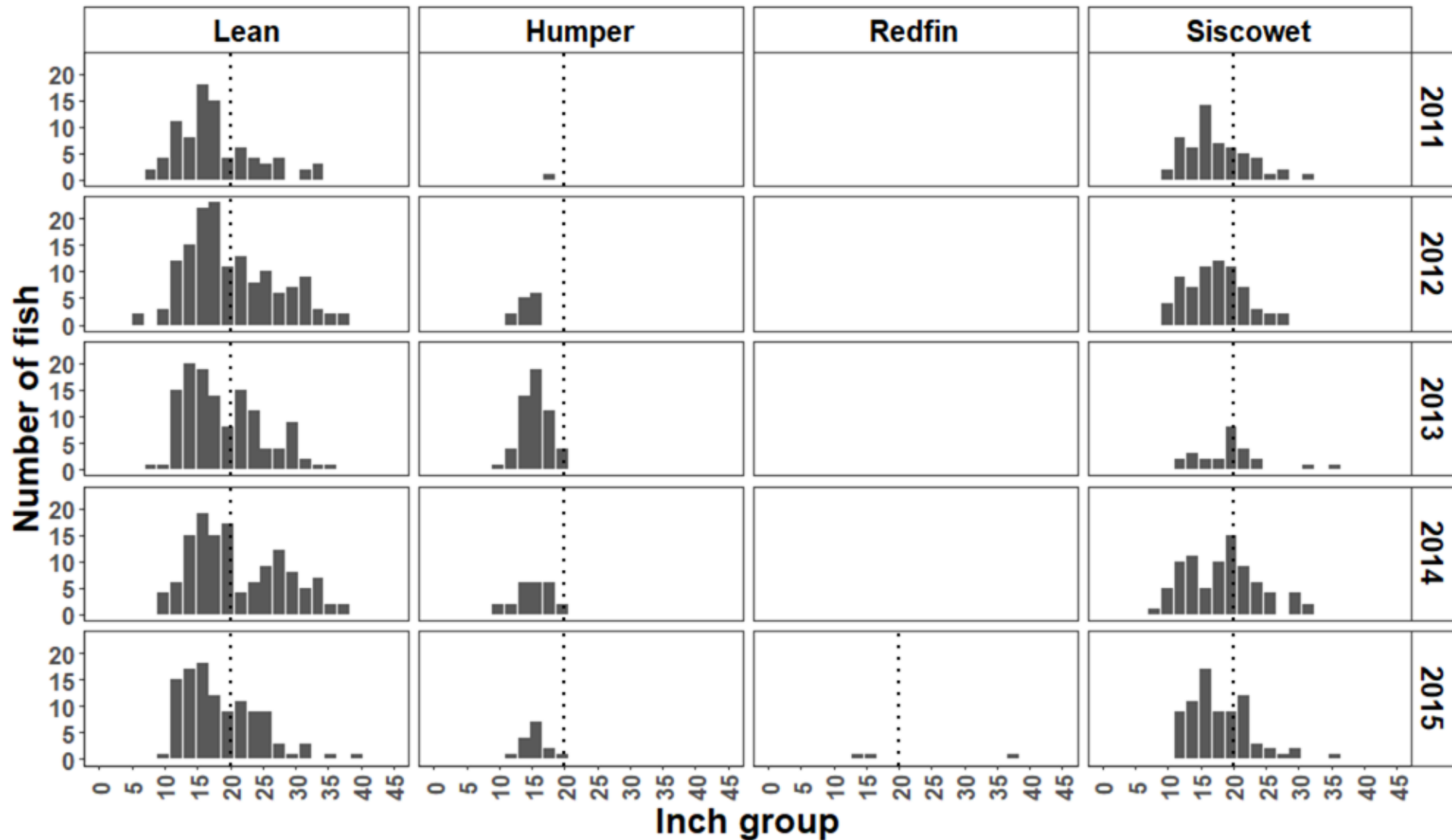
Humper



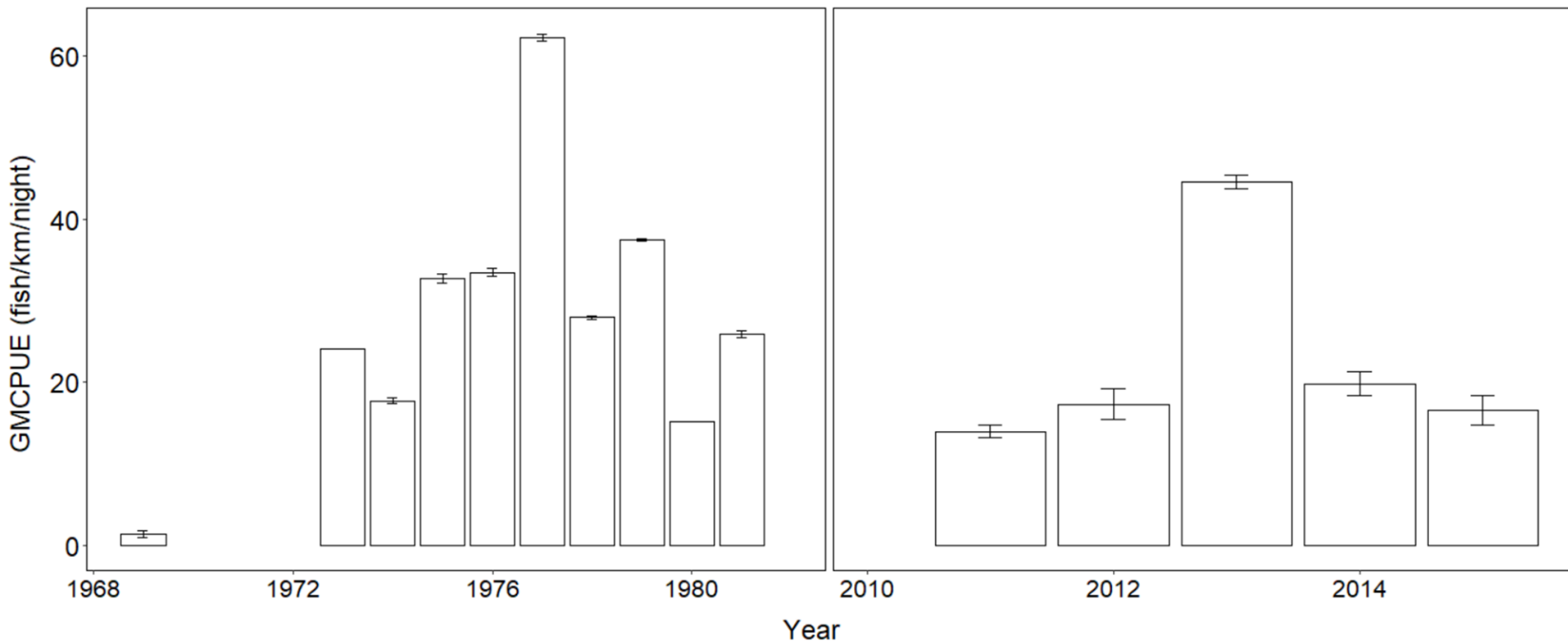
**Siscowet
(Fat)**



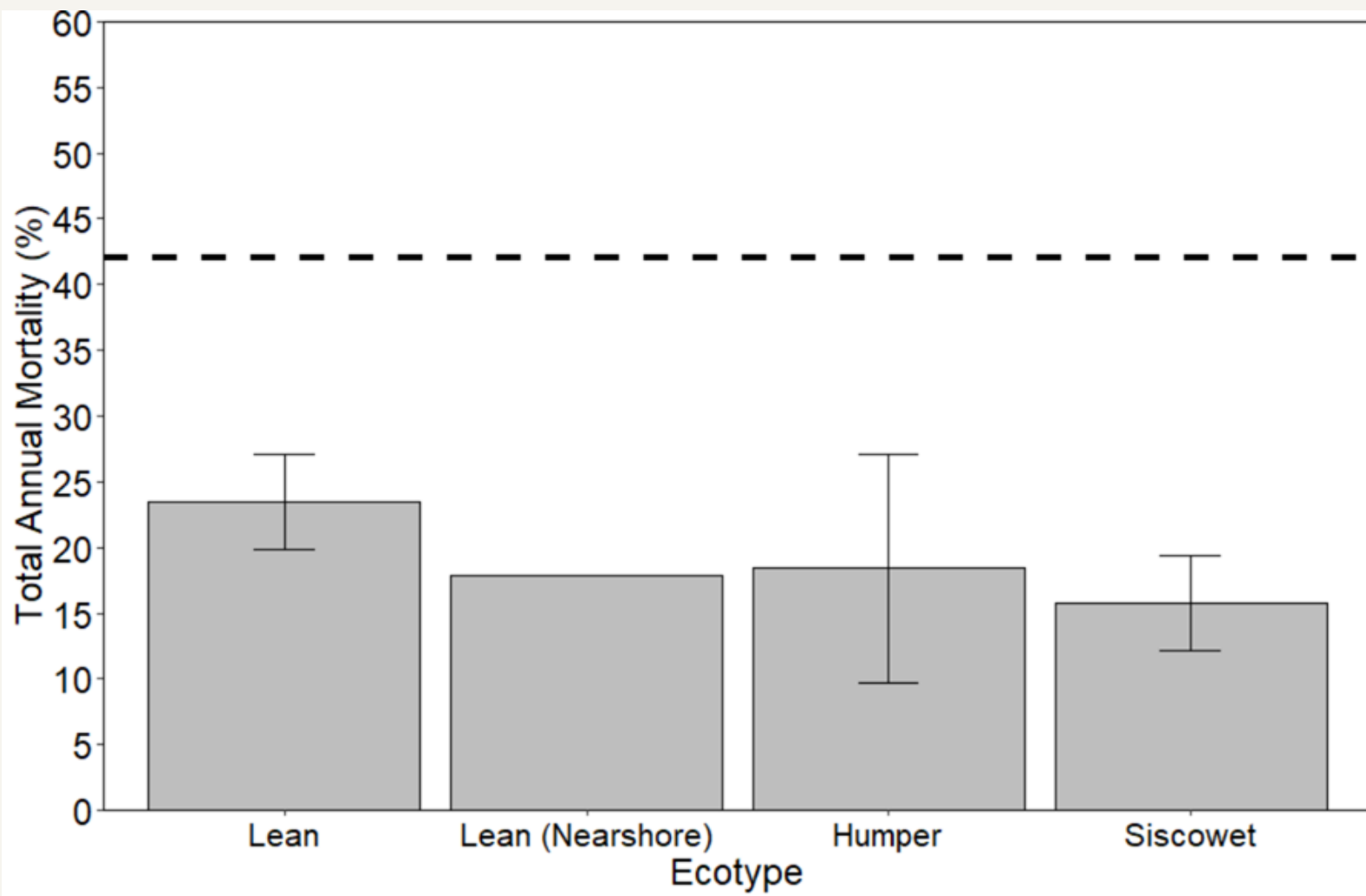
Length Distribution



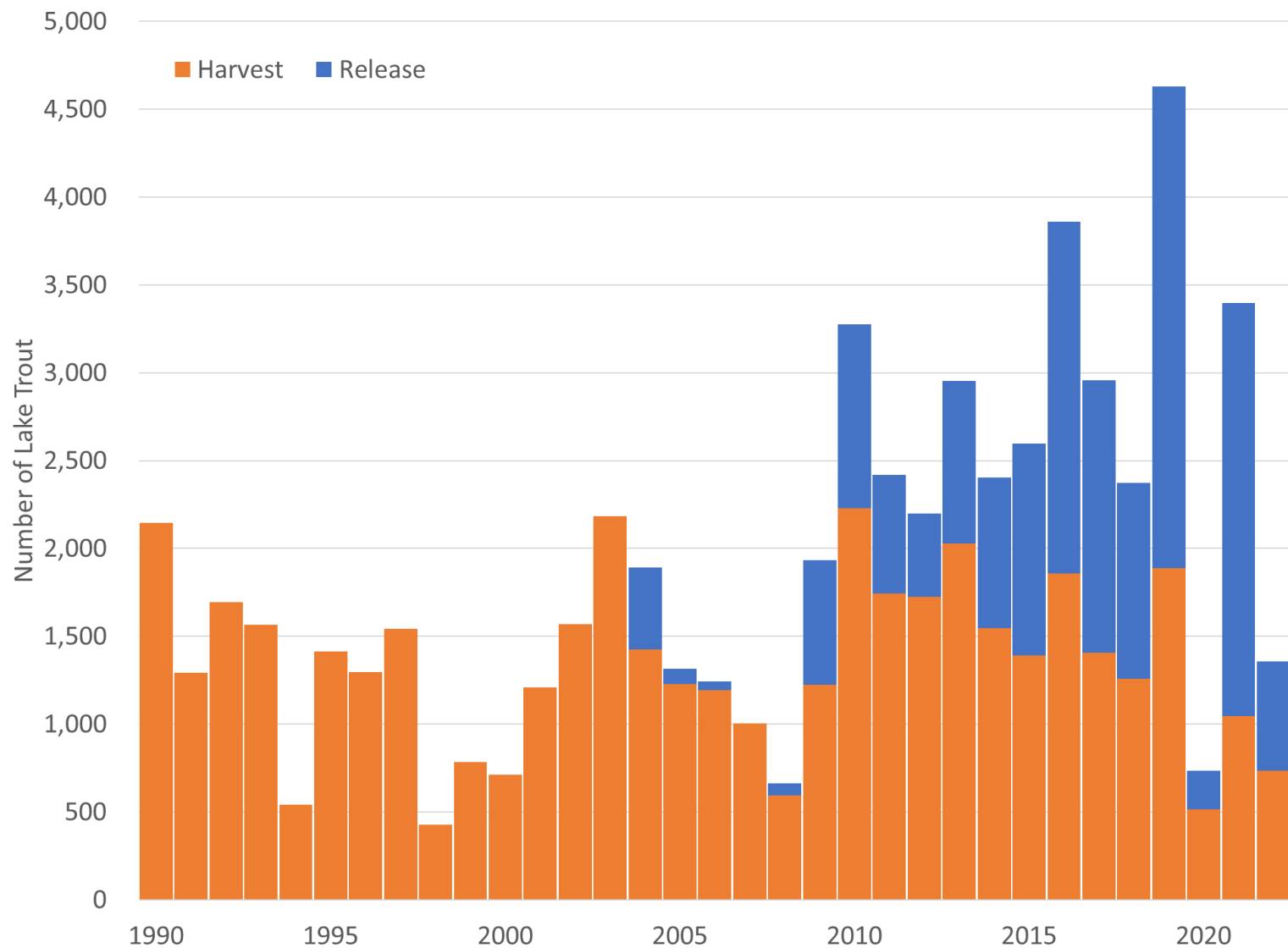
Relative Abundance



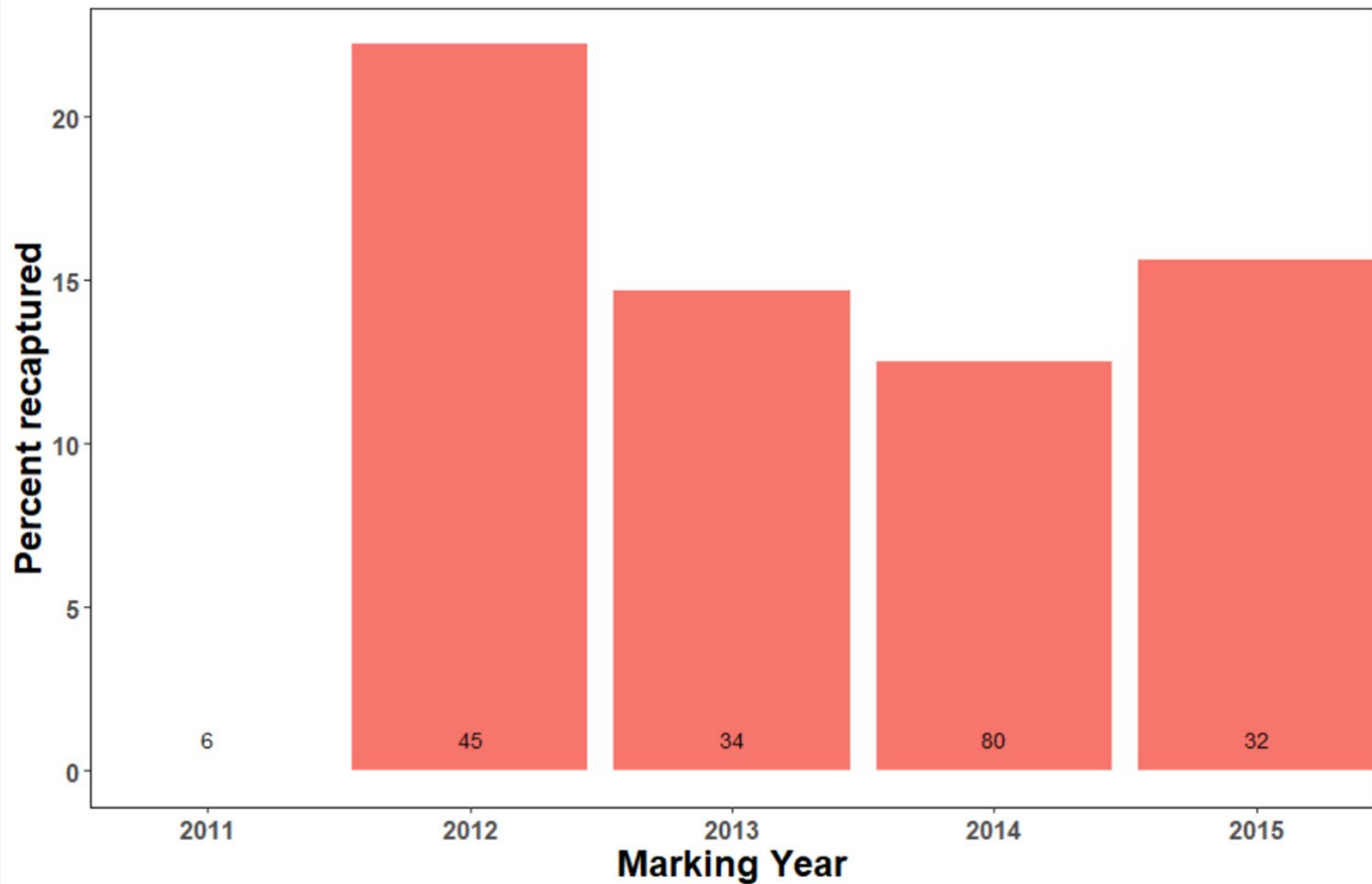
Mortality



Harvest and Release



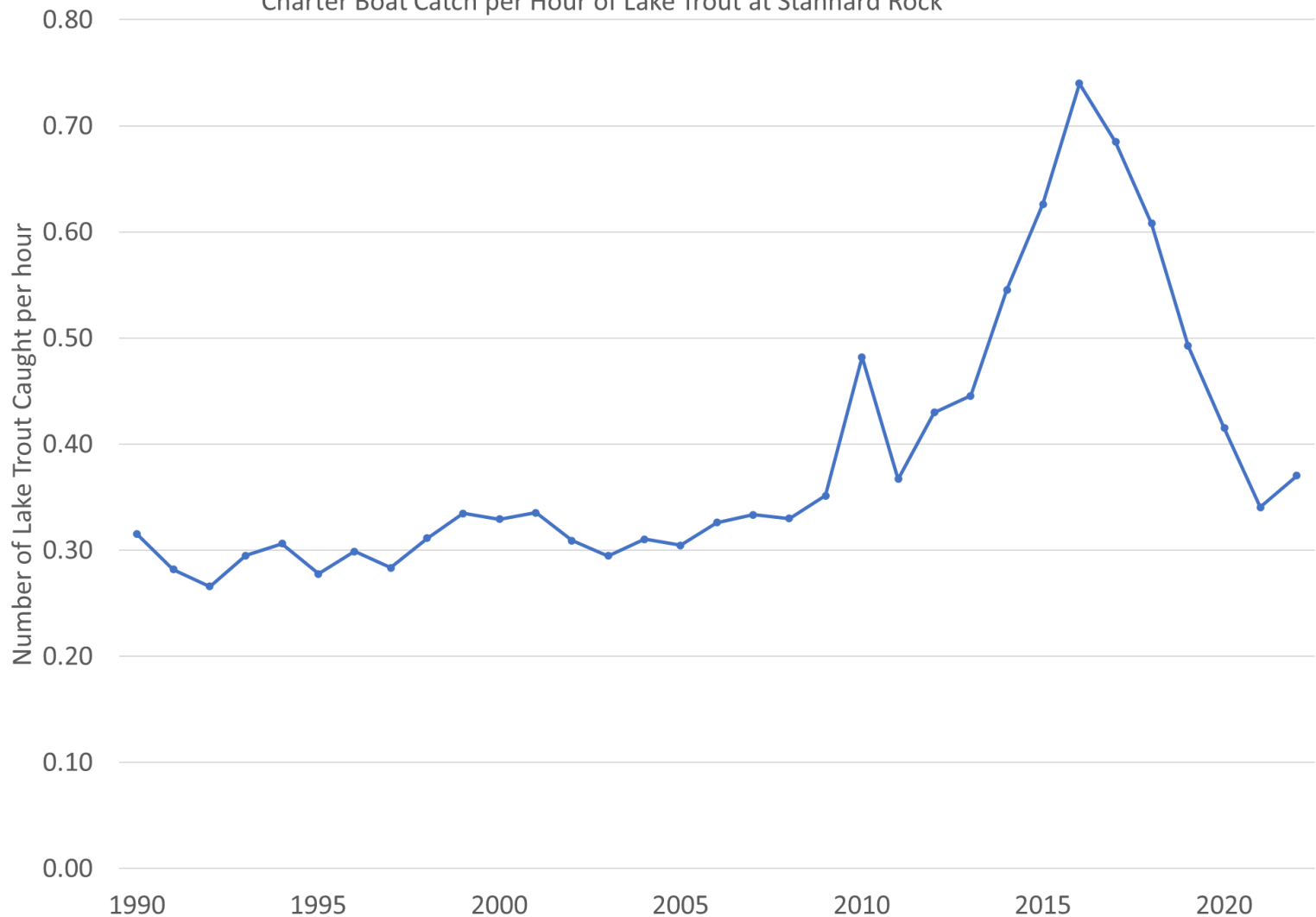
Lake Trout Exploitation



Lake Trout Catch Rates



Charter Boat Catch per Hour of Lake Trout at Stannard Rock



Angler Opinions



“Would you support more restrictive lake trout harvest regulations (for example, reduced daily possession limits) on offshore reefs such as Stannard Rock and Big Reef to better protect those populations?”

Charter Operators: 85% in favor, 15% opposed

General Respondents: 79% in favor, 21% opposed

Regulations



- Some protection with “1 over 34” regulation
- High C&R mortality present challenges
- Differing DPLs present challenges



