



Abby Barrows Principle Investigator

ASC Microplastics Project

*A Global Investigation
of Marine
and Freshwater
Pollution*



ADVENTURERS AND SCIENTISTS FOR CONSERVATION
Explore. Collect. Protect.

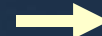
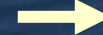
What are Microplastics?



- ≤ 5 mm
- Non-biodegradable
- Absorb and release toxins
- Petroleum product
- Found in all world oceans and many large lakes



Microplastics Research Protocol



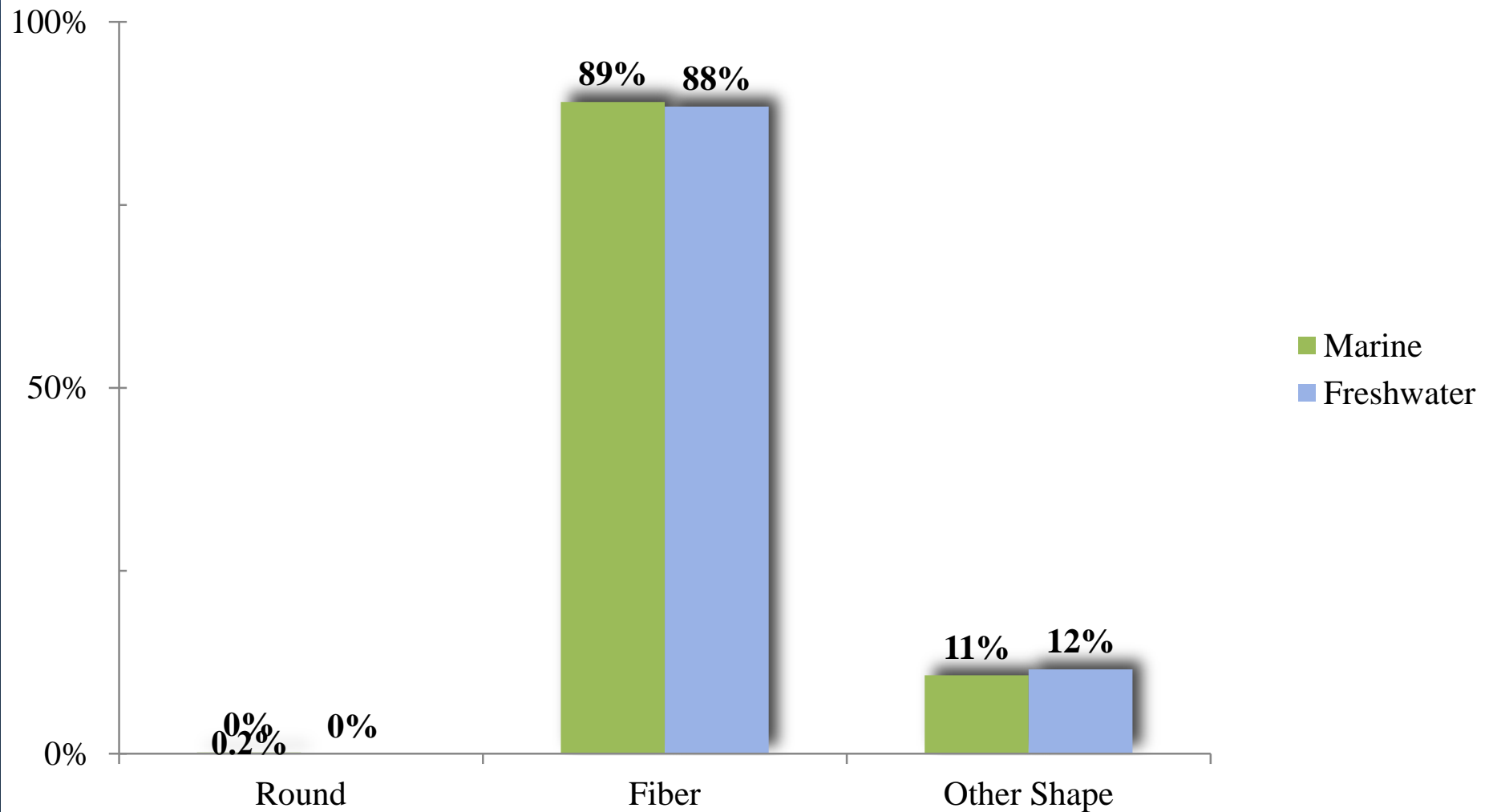
Sampling locations



ASC Microplastics



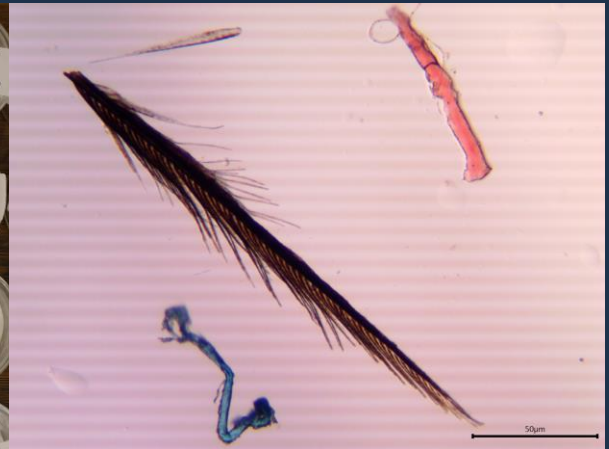
Microplastic Study Results



Marine & Freshwater Microplastic Results



- 1207 samples counted
- 13 microplastics per liter of water
- 93% of samples contaminated
- 88% microfibers
- Transparent & blue dominant



Volunteer Today for Cleaner Water!



• Rivers, lakes & streams

• Scuba, snorkel, submersible

Thank You!



ADVENTURERS AND SCIENTISTS FOR CONSERVATION
Explore. Collect. Protect.

adventurescience.org

[@AdventurScience](https://twitter.com/AdventurScience)

Abby@AdventureandScience.org