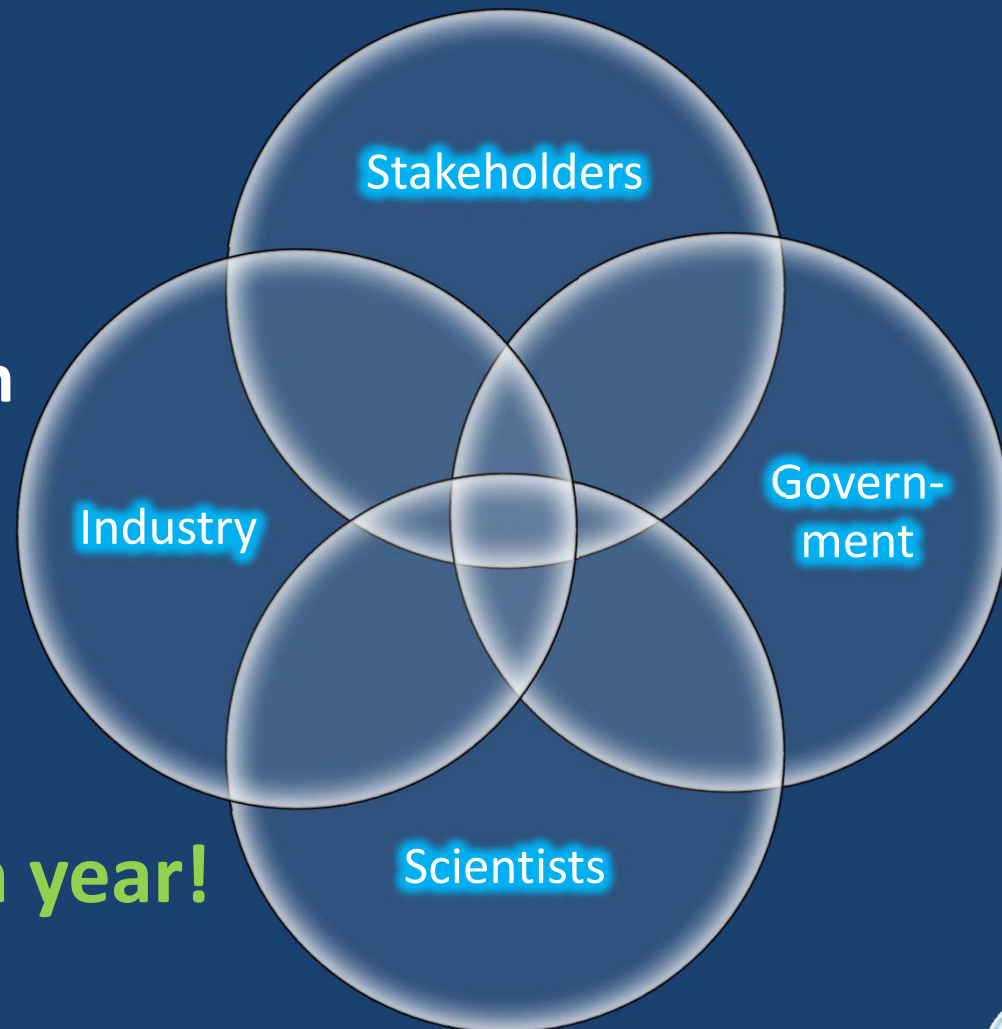


Regional Monitoring Program for Water Quality in San Francisco Bay

An innovative
partnership to
understand the health
of San Francisco Bay



Celebrating our 24th year!



RMP Science Informs Management Decisions

Decisions Informed by the RMP

Municipal Wastewater



Which contaminants are a potential concern in the Bay?

What are all the sources for contaminants found in municipal wastewater?

Are POTW modifications or upgrades needed?

Communications Products Make RMP Science Accessible

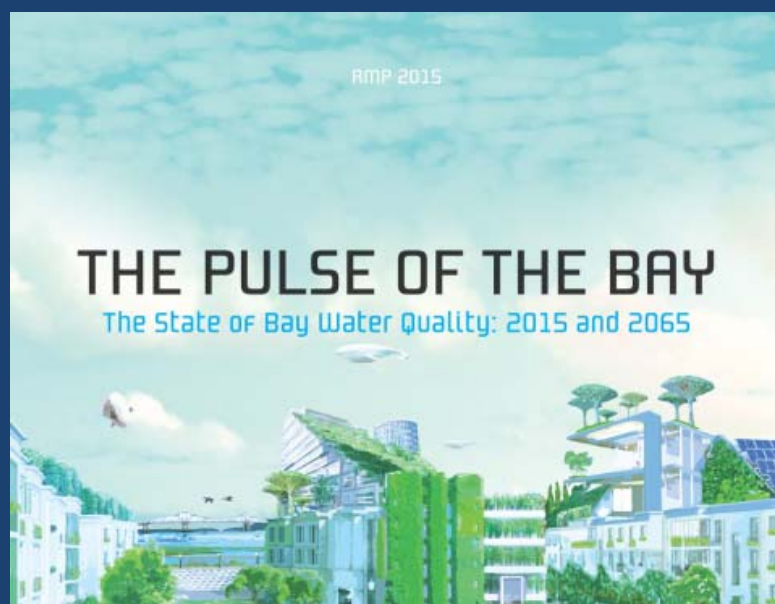
Website

www.sfei.org/rmp

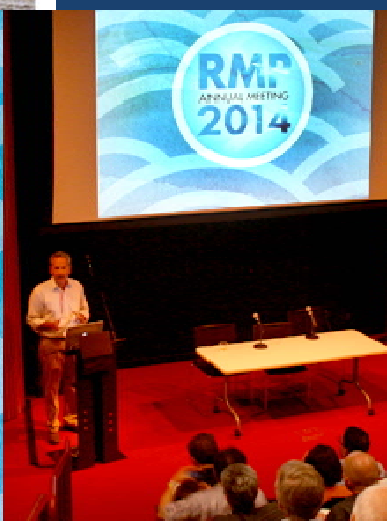
Fact Sheets



Pulse of the Bay Report



Articles



Status and Trends Monitoring Tracks the Health of the Bay

Every 2 Years

WATER

'15



Every 3 Years

BIRD EGGS

'16



Every 4 Years

SEDIMENT



Every 5 Years

SPORT FISH



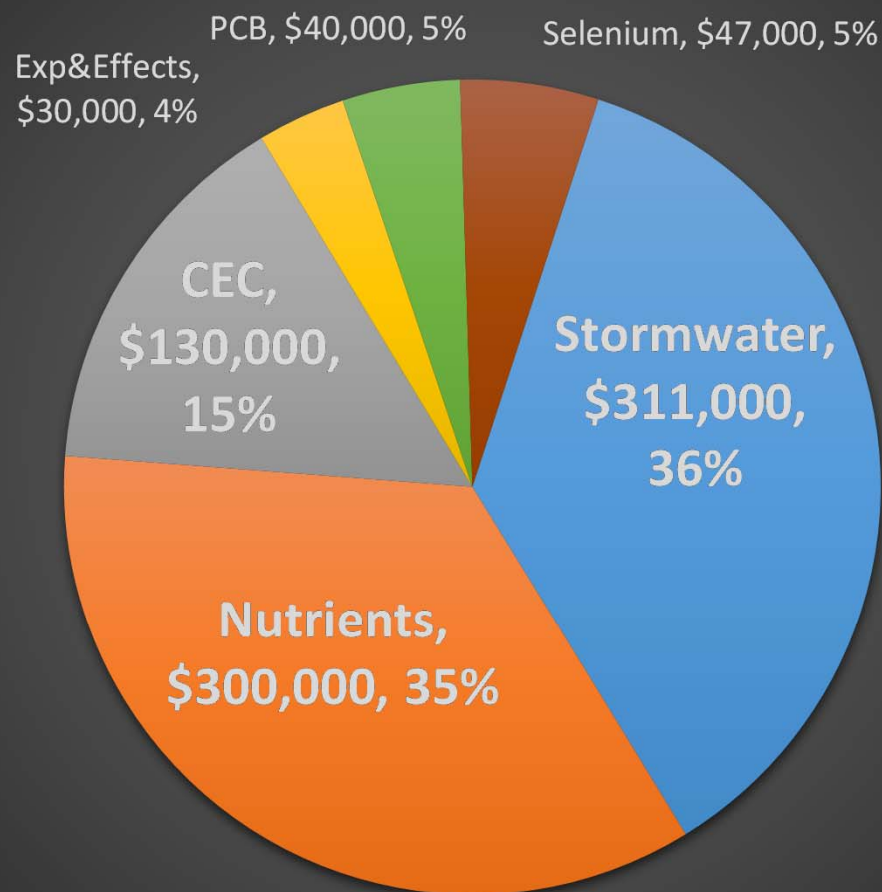
BIVALVES

'16



Special Studies Help the RMP Adapt to Answer Management Questions

RMP Special Studies Funding for 2016



Emerging Contaminants Research Yields High Impact Results

2015-2016 Major Projects

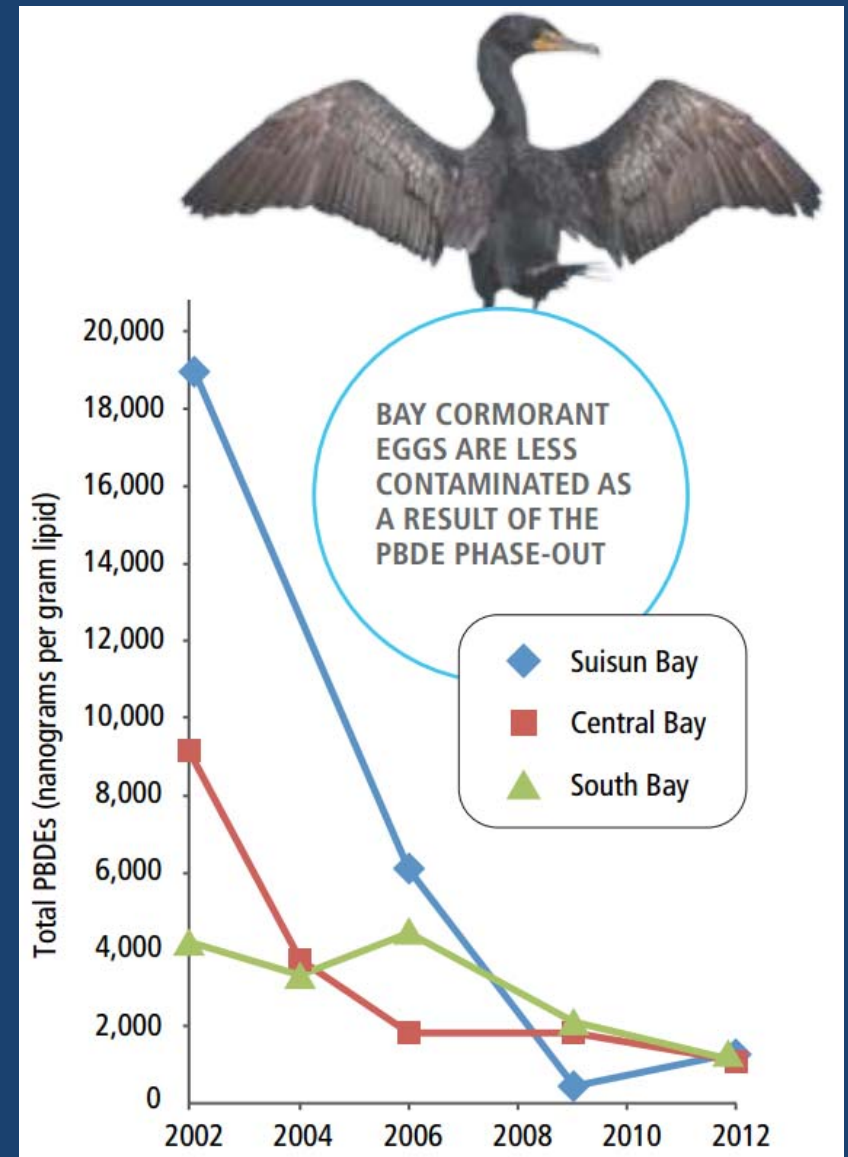
Wastewater Studies

- Perfluorinated Compounds
- Microplastics Pilot Study
- Fipronil and Imidacloprid (pesticides)
- Pharmaceuticals
- Non-Targeted Analysis



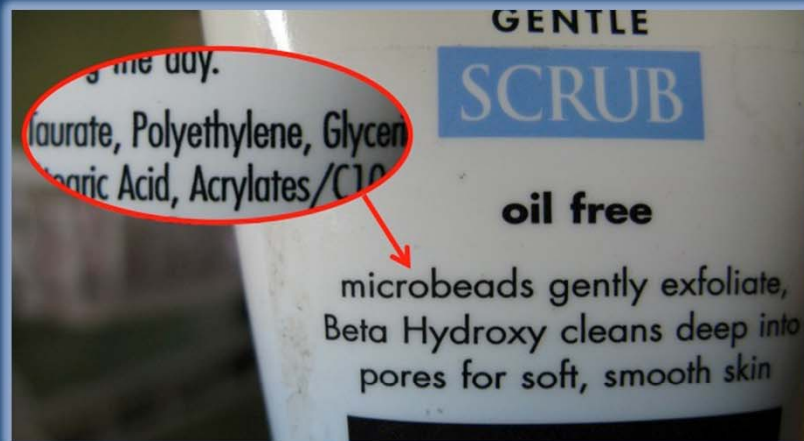
San Francisco Chronicle

SFGATE.COM | Sunday, December 28, 2014 | PRINTED ON RECYCLED PAPER | \$3.00



Microplastic Pollution

What is it and why do we care?



Source: 5 Gyres



Source: BACWA Laboratory Committee



Source: Sherri Mason, SUNY

Microplastic Policy Update

Governor Brown Signs **AB 888**, the Microbead Ban Bill

- Effective 2020
- Strictest in nation

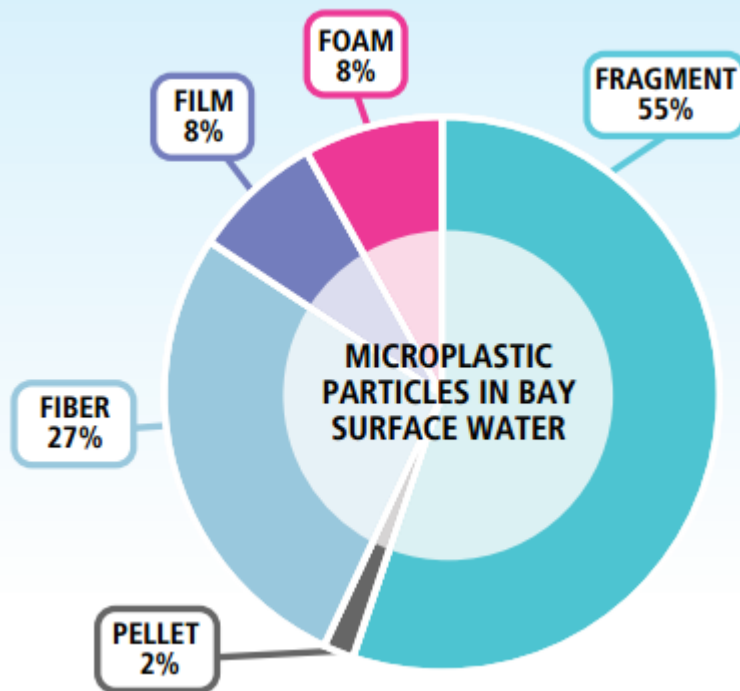
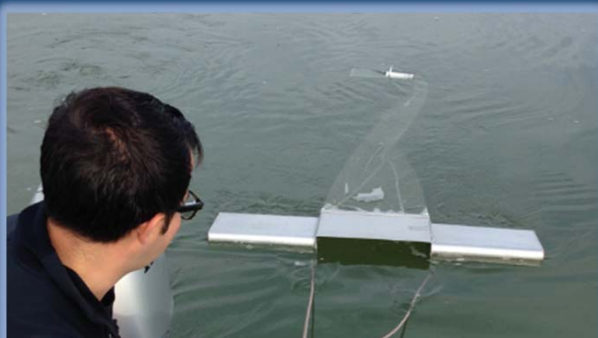


LAST MONTH: “Microbead-Free Waters Act”
became federal law

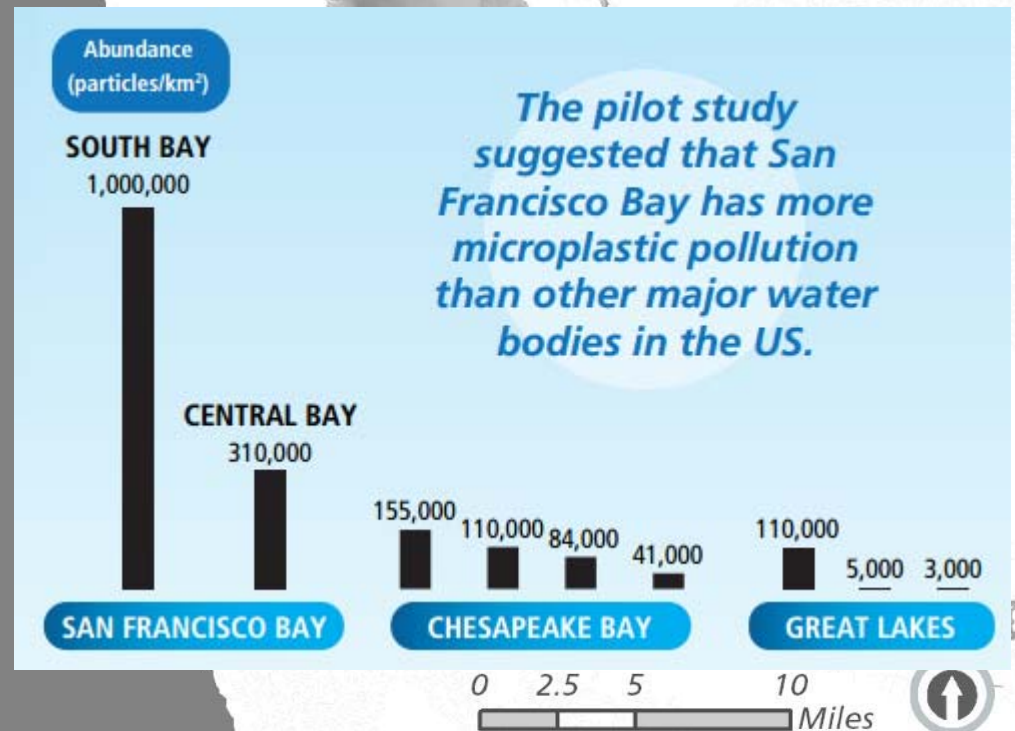
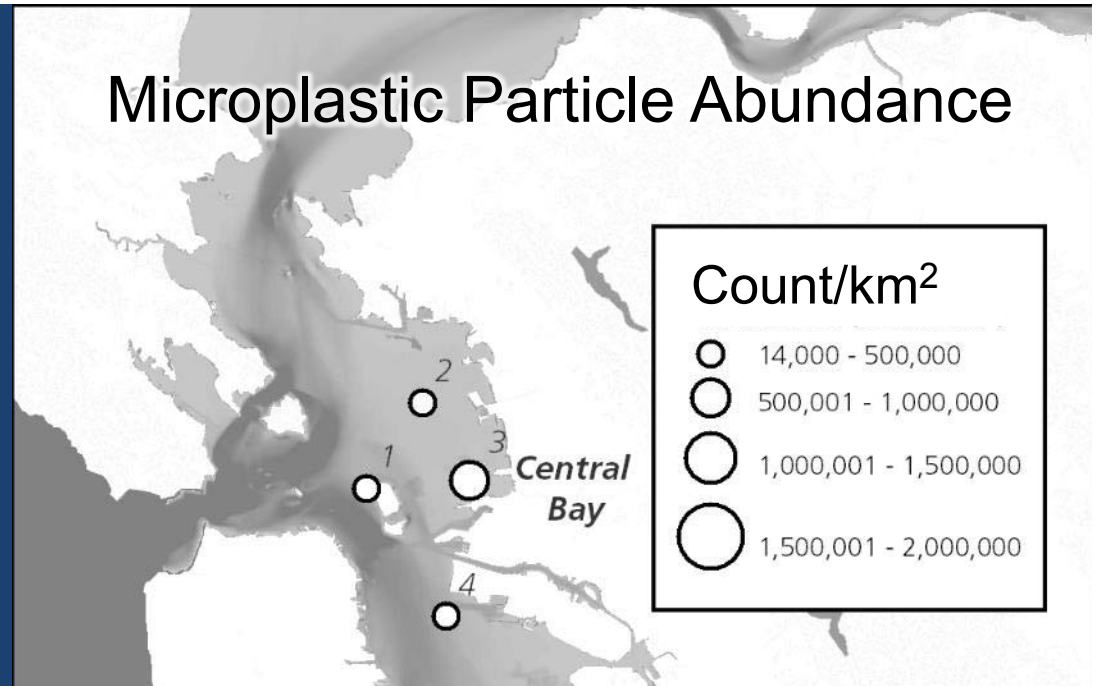
- Goes into effect in 2017
- Preempts state bans



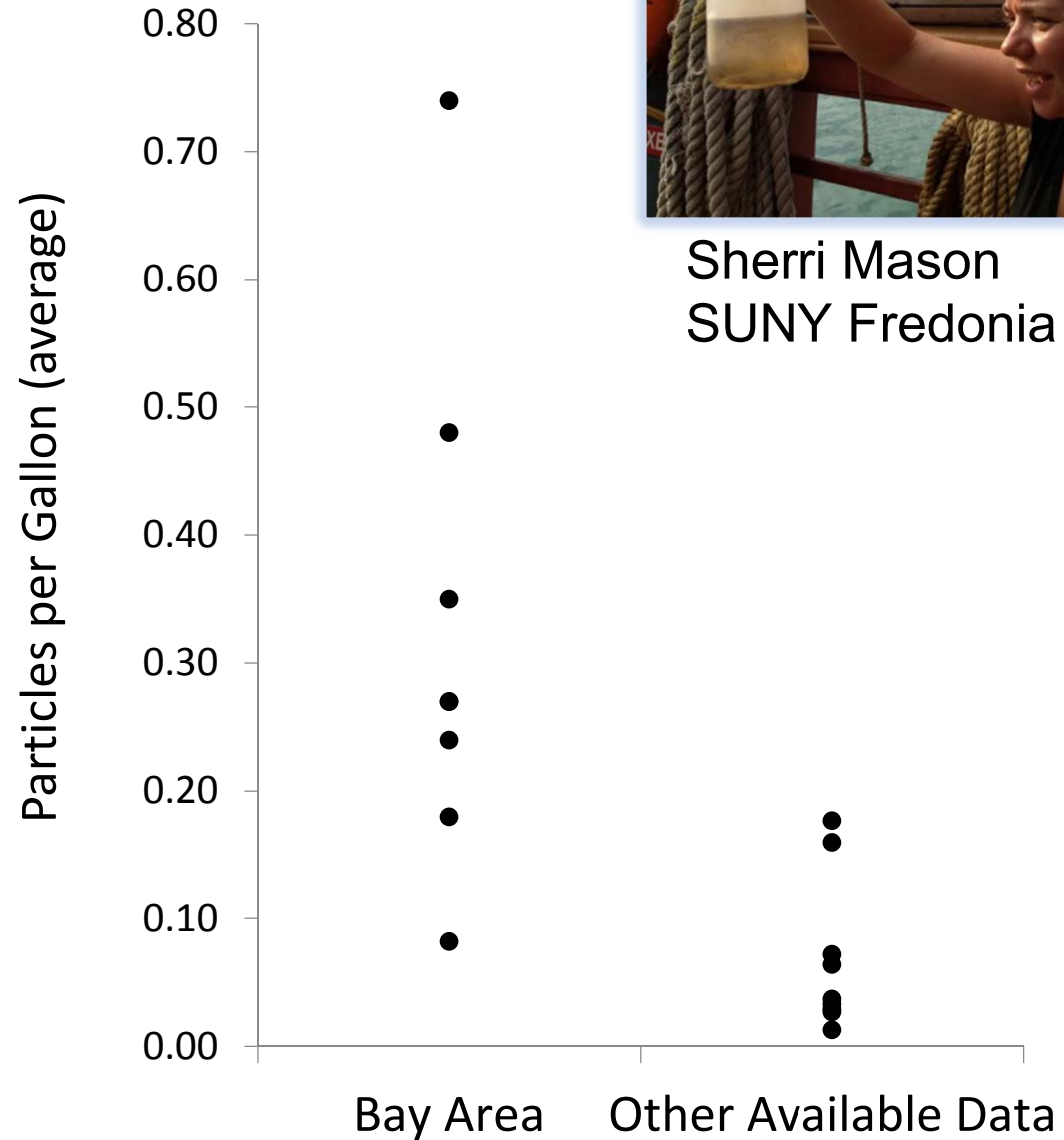
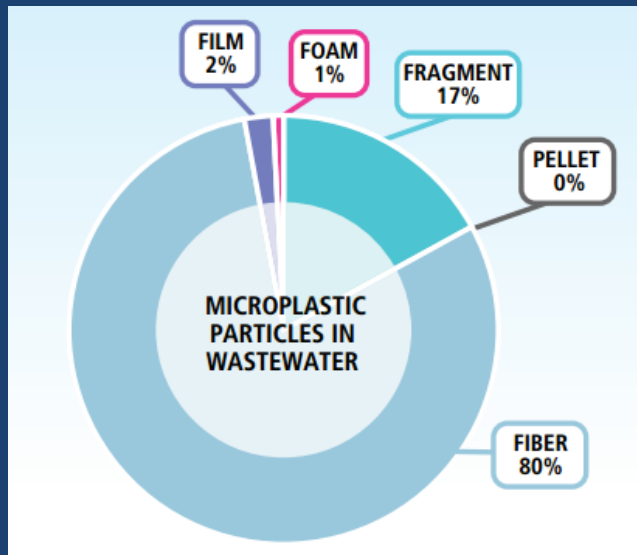
Microplastic Pollution In Ambient Bay Water



Microplastic Particle Abundance



Microplastic Pollution Pathway: Wastewater



Sherri Mason
SUNY Fredonia

Developing a Microplastic Strategy For San Francisco Bay:

*Information Needed to Support
Decision-making*

Bay Monitoring

Pollution Pathways

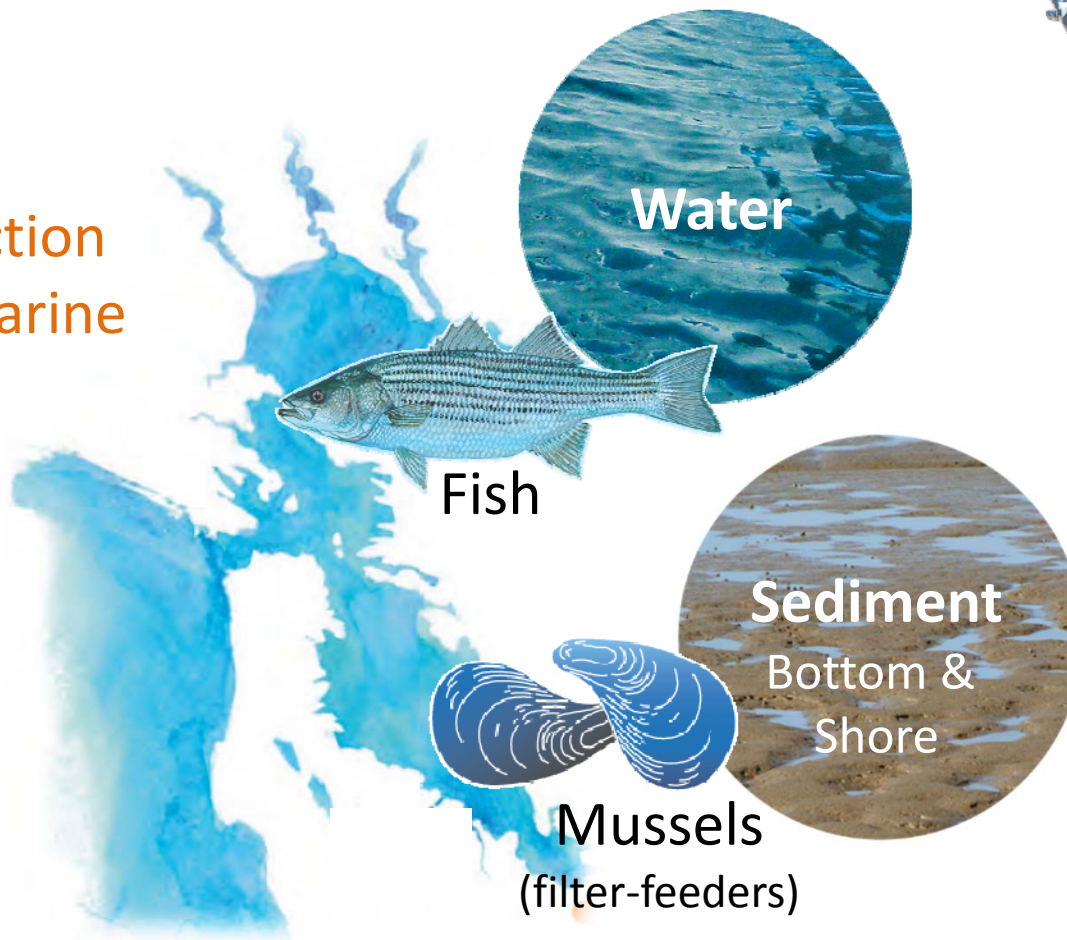


Wastewater



Stormwater

Connection
with Marine
Debris



Water

Fish

Sediment

Bottom &
Shore

Mussels

(filter-feeders)

Microplastic Strategy for San Francisco Bay:

Potential Partners

- RMP
- BACWA
- USEPA
- 5 Gyres Institute
- San Francisco Baykeeper
- Outdoor Industry Association
- SUNY Fredonia
- UC Davis



5GYRES



Thank You

BACWA Representatives to the RMP

RMP Steering Committee

Karin North

Jim Ervin

Dan Tafolla

RMP Technical Advisory Committee

Nirmela Arsem

Eric Dunlavey

Amy Chastain

Rod Miller

www.sfei.org/RMP

