

# EMERGING CONTAMINANT MONITORING

KATIE RADEMACHER – MILWAUKEE RIVERKEEPER

**CLEAR** milwaukee  
COMMUNITY LEADERS ENGAGED IN AQUATIC RESEARCH

- Our objective is to sample, study and educate the public about the emerging threat of personal care products and pharmaceuticals and how it impacts public health and aquatic life
- Hosts three one-day, community science based sampling events per year in the Milwaukee, Root River and Fox River Basins
- [clearmke.com](http://clearmke.com)



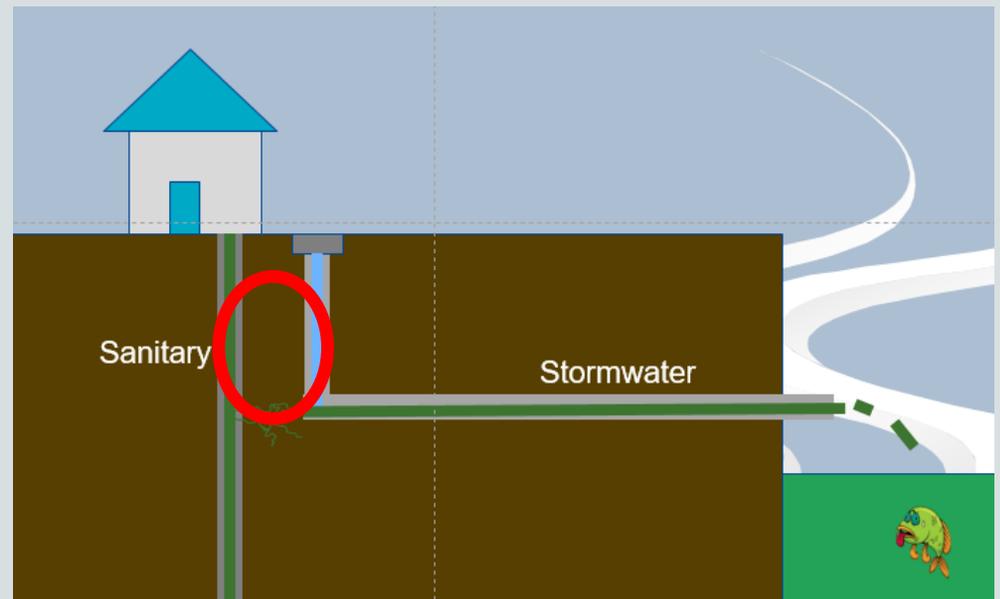
CLEAR project partners awarded \$30,000 from Wisconsin Coastal Management. Pictured: Cheryl Nenn, Milwaukee Riverkeeper and Ken Leinbach, Urban Ecology Center with Lt. Governor Mandela Barnes, Rep. Jonathan Brostoff, and Mike Friis of the Wisconsin Coastal Management Program.

CLEAR is a collaborative initiative of:

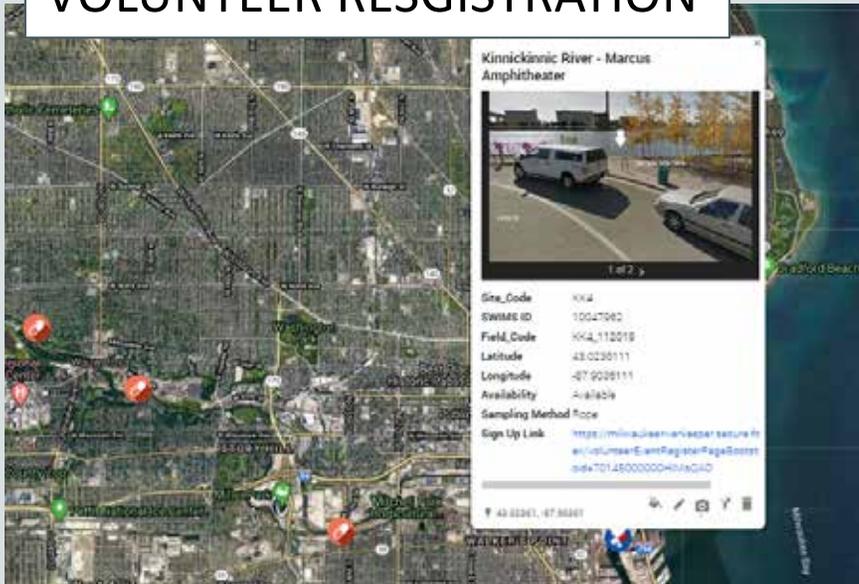


# EMERGING CONTAMINANTS

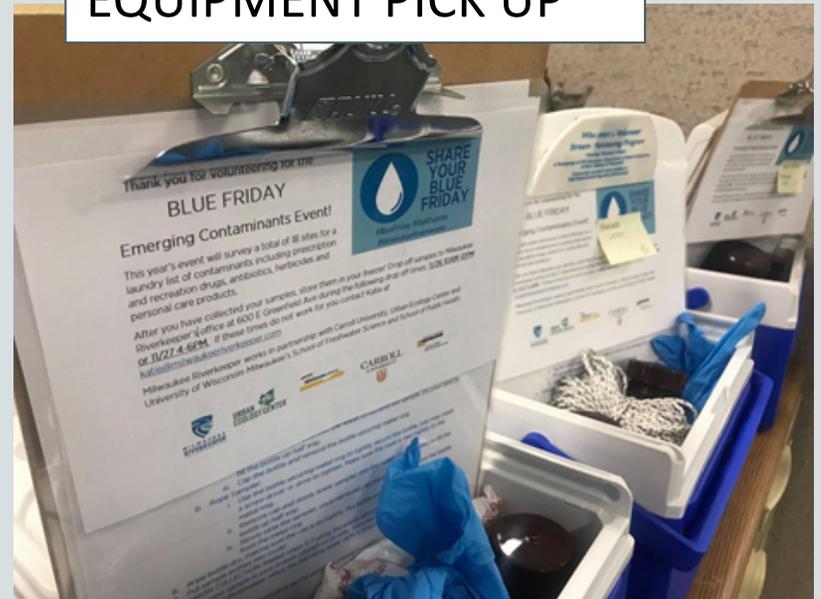
- Umbrella term for any chemical found in our waterways that wastewater treatment facilities **do no yet monitor or treat for**
- These contaminants and their impacts are not yet full understood, most are not yet regulated
- How do these chemicals get into our water?
  - Treated Wastewater
  - Failing Pipes
  - Stormwater Runoff



## VOLUNTEER REGISTRATION



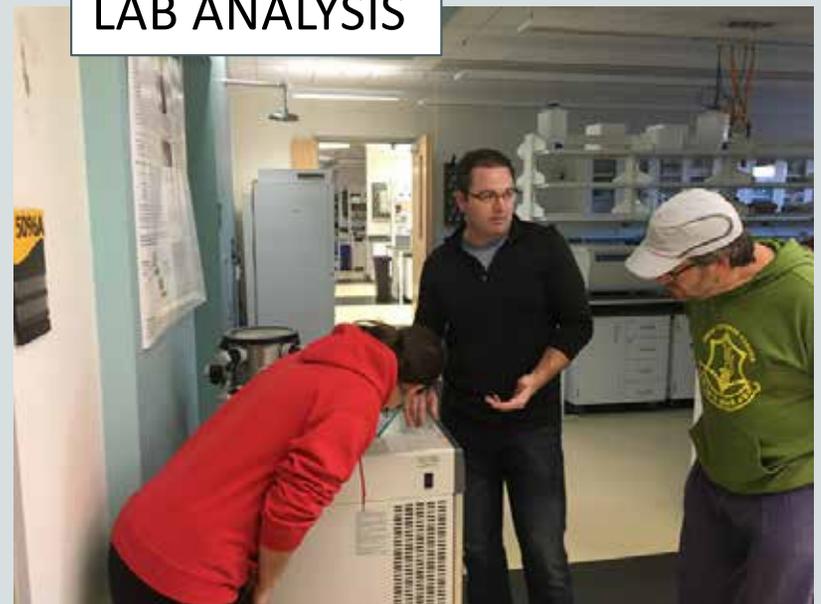
## EQUIPMENT PICK UP



## SAMPLE COLLECTION

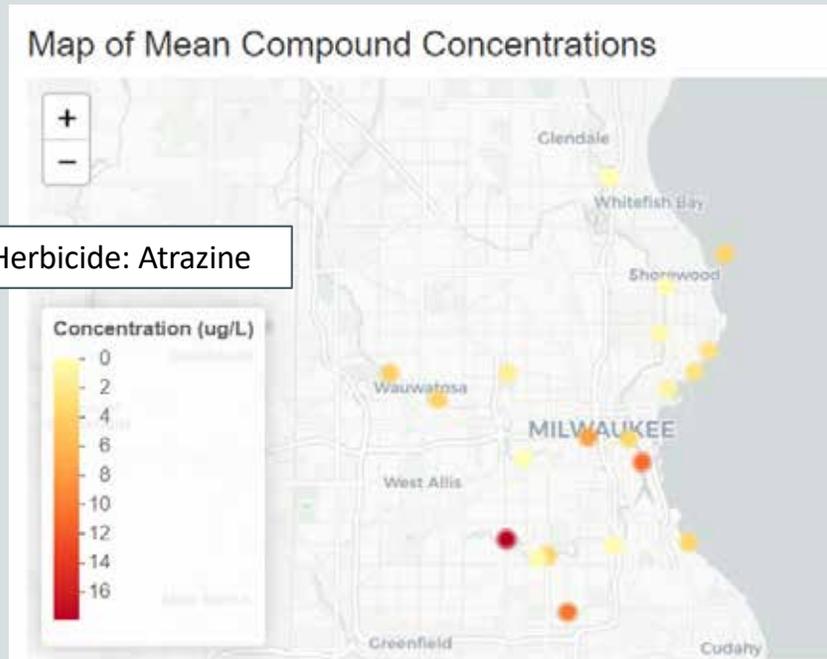
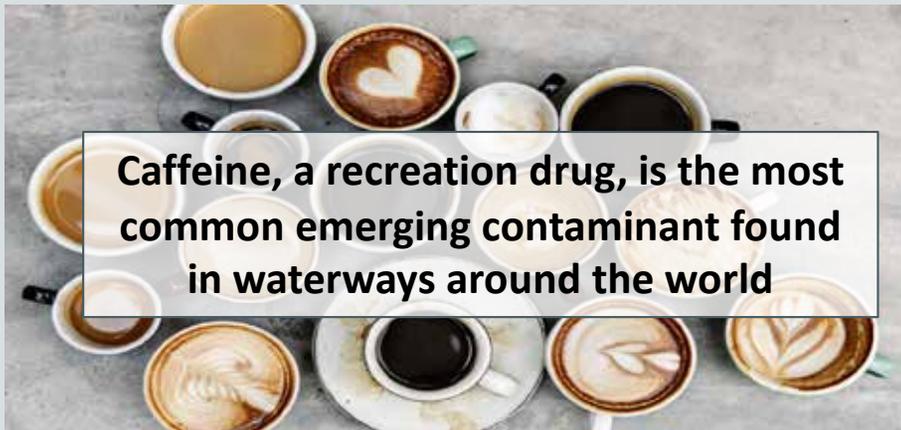
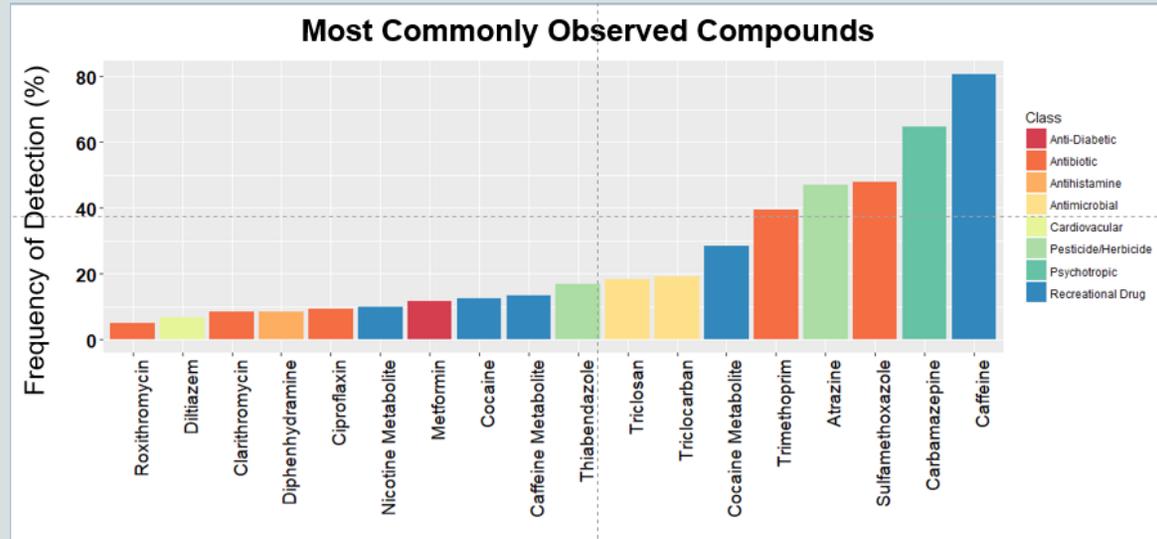


## LAB ANALYSIS



## RESULTS & OUTREACH

- Collected samples are analyzed for a laundry list of 65+ chemicals including prescription drugs, personal care products, pesticides and recreational drugs
- Following analysis results are uploaded to a data dashboard
- 2020 curriculum was developed to bring into classrooms
- CLEAR shares resources and tables to raise awareness



## LESSEN YOUR IMPACT

- Minimize or eliminate pesticide use
- Purchase products with more natural ingredients
- Properly dispose of leftover medications using medication take backs



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 **MILWAUKEE  
RIVERKEEPER**  
HELPING OUR WATERS THRIVE SINCE '95

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