



# WATER: A LIFE SOURCE FOR OUR HEALTH AND THE ENVIRONMENT

PEGGY ANN BERRY, PHD, MSN, RN, COHN-S, CLE, PLNC

CLEAN WATER NURSE ORGANIZER FOR ALLIANCE OF NURSES FOR  
HEALTHY ENVIRONMENTS, OHIO NURSES ASSOCIATION CAUCUS MEMBER,  
AND A CLIMATE REALITY LEADER

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**Only when the last tree has died and the last river been poisoned  
and the last fish been caught will we realize we cannot eat money.**  
~Cree Indian Proverb

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## OBJECTIVES:

Discuss water contamination

Discuss an expanded  
advocacy as water as a right



# THREATS TO OUR WATER

- Climate change
- Chemical spills and storm water runoff
- Fracking
- Coal ash – arsenic, radiation
- Agriculture pollution
- Chemicals including lead, PFAS
- Repeal/replacement of the Clean Water Rule

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# OHIO WATER ISSUES

- Ohio River Valley Industrial Development
- Great Lakes
- All point in-between

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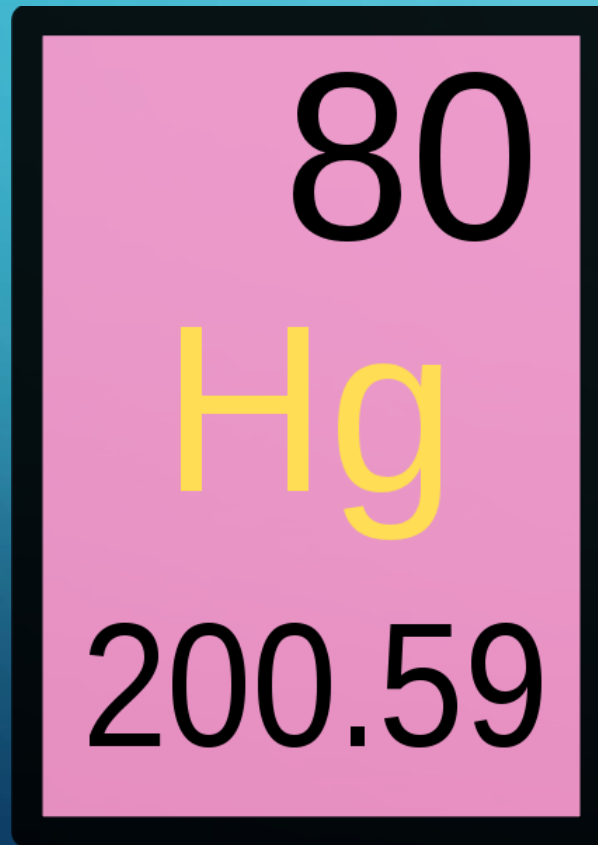


## ORSANCO – what?

## 2015 CDC Cancer Prevalence



# MERCURY



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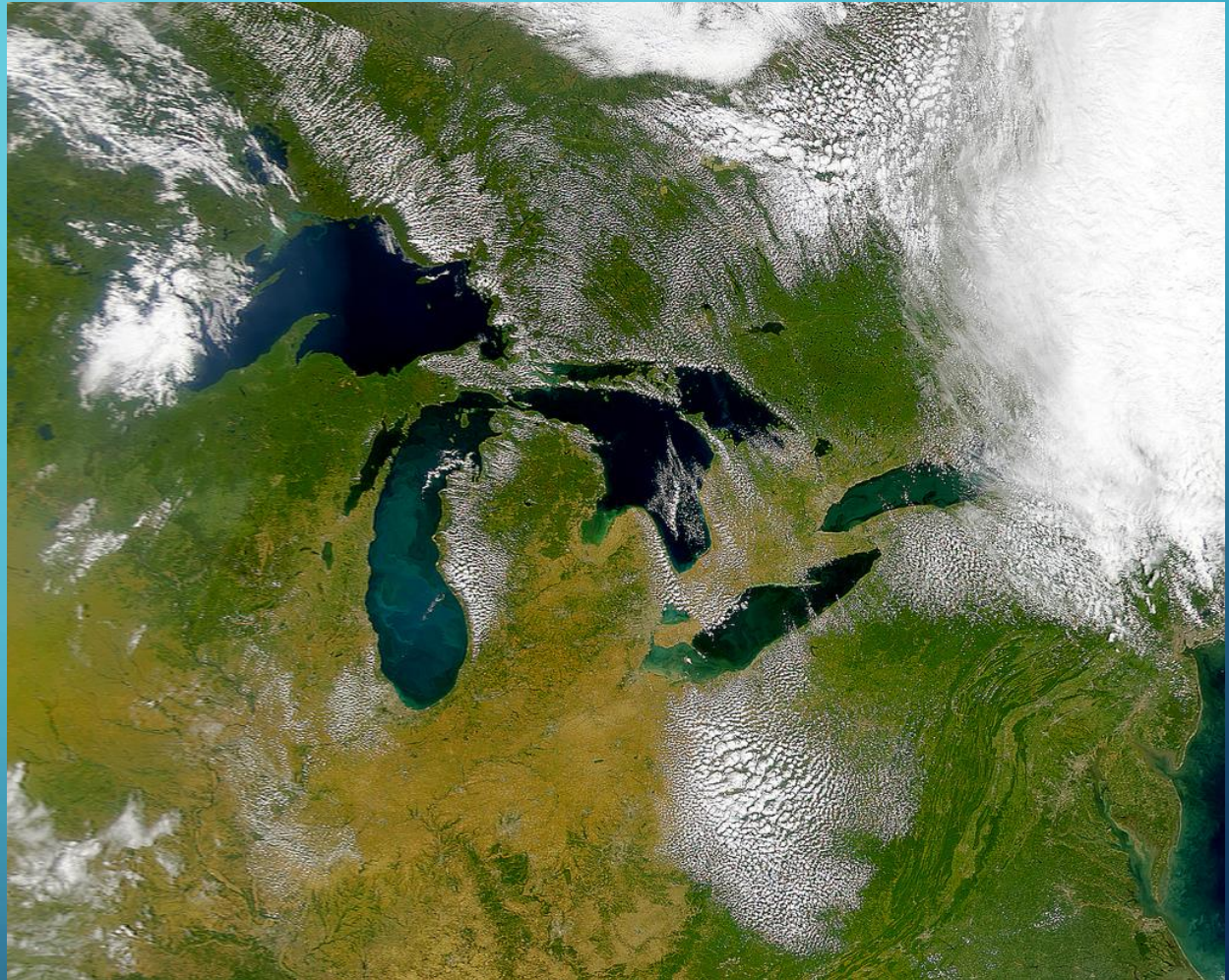
# GREAT LAKES AREA

Water rights and Nestle

Toledo and algae

Wind setbacks

Wind farms

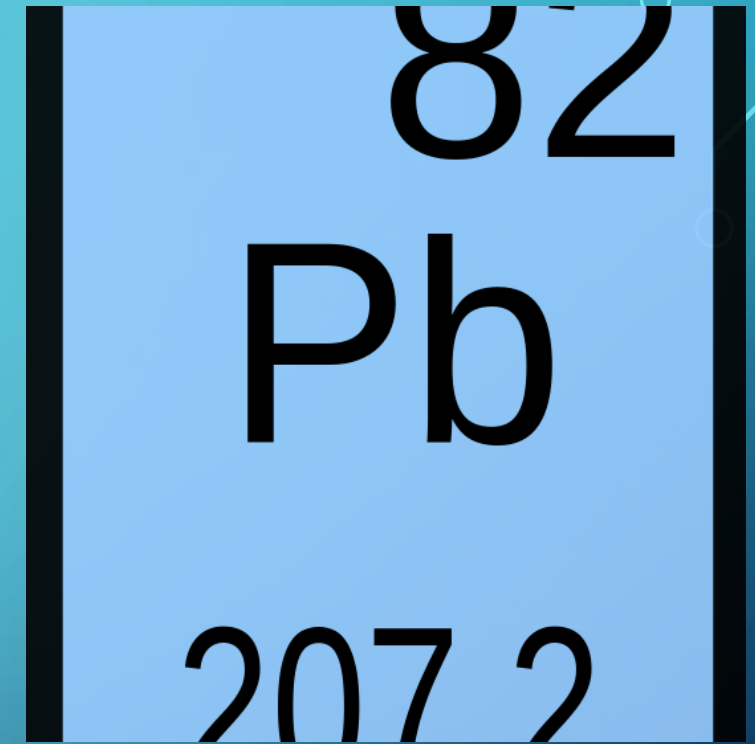
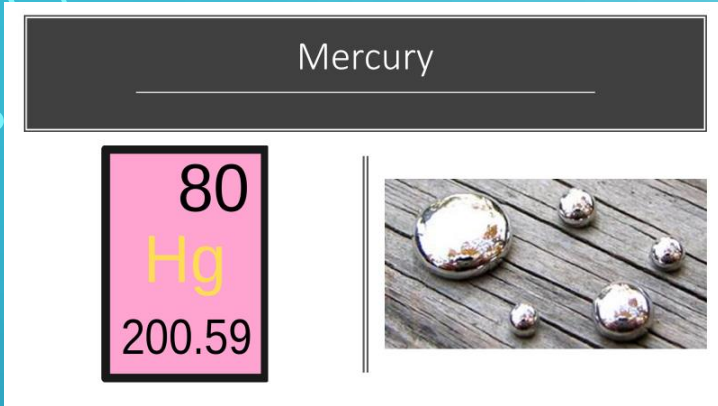


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## LEAD PIPES AND WATER SHUT-OFFS



# HARMFUL ALGAE BLOOMS (HAB)

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# THE IN-BETWEEN

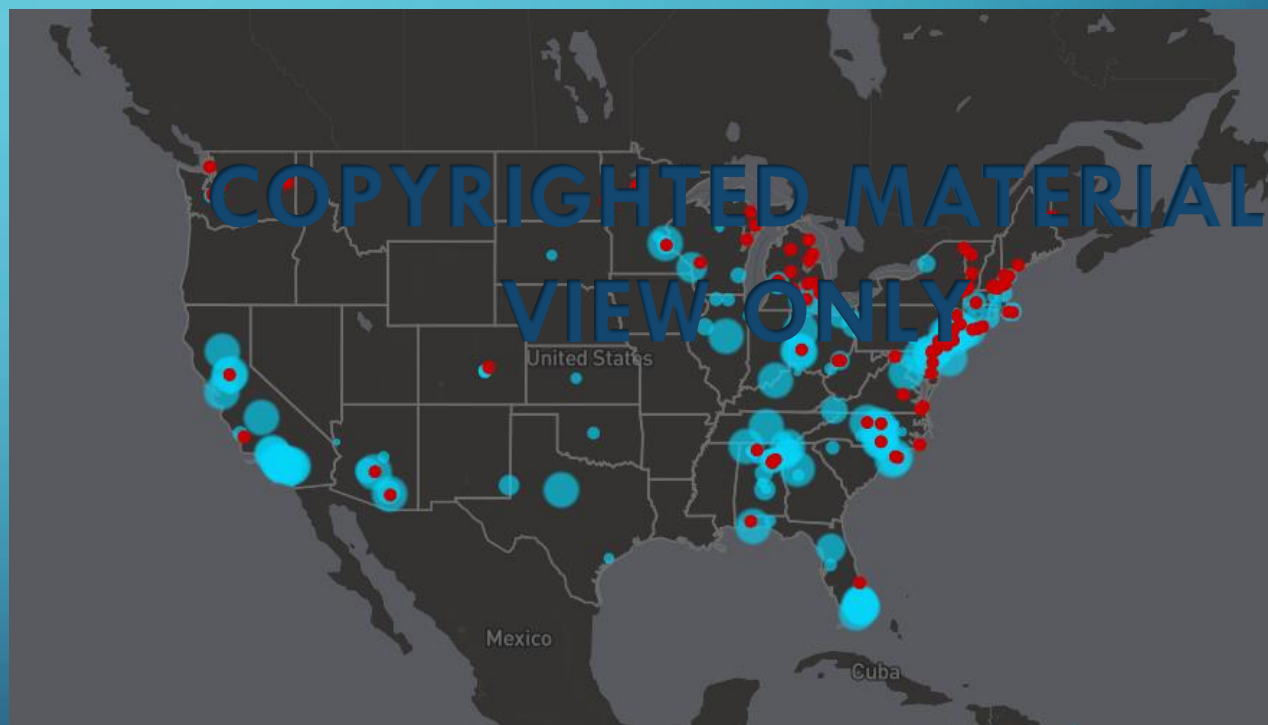


- Ohio Legislation
  - Brine as a commodity \*HB 545

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# PFAS, PFOS

- Toxic Fluorinated Chemicals
- PFAS pollution of tap water for 16 million people in 33 states
- Dayton Ohio Aquifer has blooms of contamination from PFAS and other chemicals



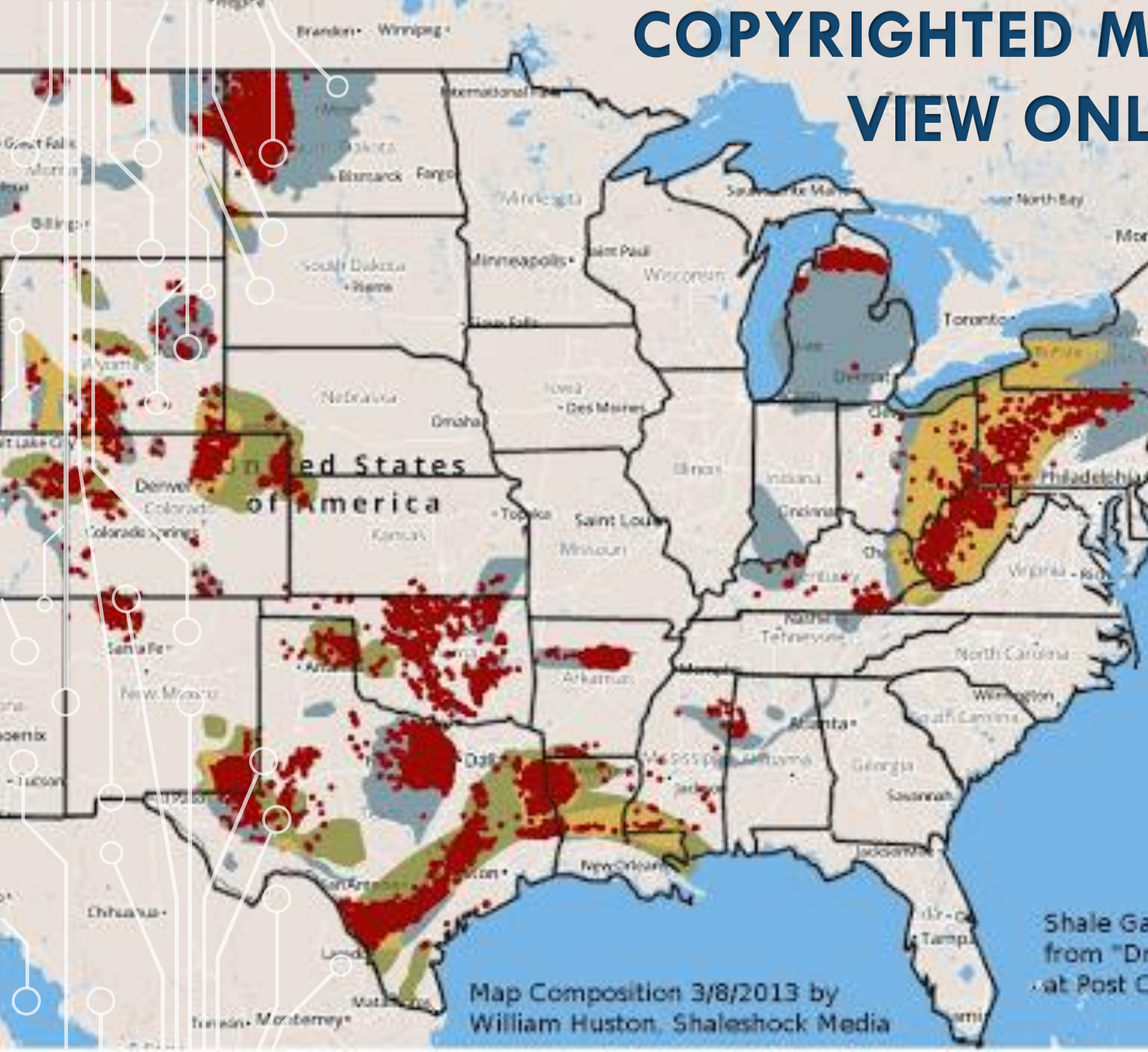
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## **HYDRAULIC FRACTURING: FRACKING**

- **Government Sanctioned**
- **Cracker plant**
- **Known carcinogen**
- **Fish and wildlife dying**
- **Louisiana Cancer Alley**



# WHAT IS ADVOCACY?

- The act or process of supporting a cause or proposal;
- The act or process of advocating something
- Synonyms:
  - Support for
  - Backing of
  - Promotion of
  - Championing of
  - Argument for

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## WHAT DOES IT MEAN TO COLLABORATE?

- to work jointly with others or together especially in an intellectual endeavor *An international team of scientists collaborated on the study.*
- to cooperate with or willingly assist an enemy of one's country and especially an occupying force *suspected of collaborating with the enemy*
- to cooperate with an agency or instrumentality with which one is not immediately connected *The two schools collaborate on library services.*

## ONE LAST COMMENT

- BE the change you want to see in this world.
  - I want fresh air and clean water for my children's children's children.
  - I want tillable soil not tainted with fracking solution.
  - I don't want to accumulate junk but experiences
  - I will continue to advocate and collaborate within professional and non-profit circles
  - I will support locally first, state second, and nationally as fiscally responsible as I can be.
  - I will keep experiencing and educating myself to the next challenge
  - I will attempt to hold corporations accountable to community wellness.



## ADDITIONAL READING MATERIAL

- Ohio Association of Public Health (2017). Climate resilience in Ohio: A public health approach to preparedness and planning.  
<https://ohiopha.org/download/climate-resiliency-in-ohio/?wpdmdl=3101&refresh=5b72f14317cf91534259523>
- Alliance of Nurses for Healthy Environments (2018). Water and Health Opportunities for Nursing Action. <https://envirn.org/wp-content/uploads/2017/09/ANHE-Water-and-Health.pdf>