

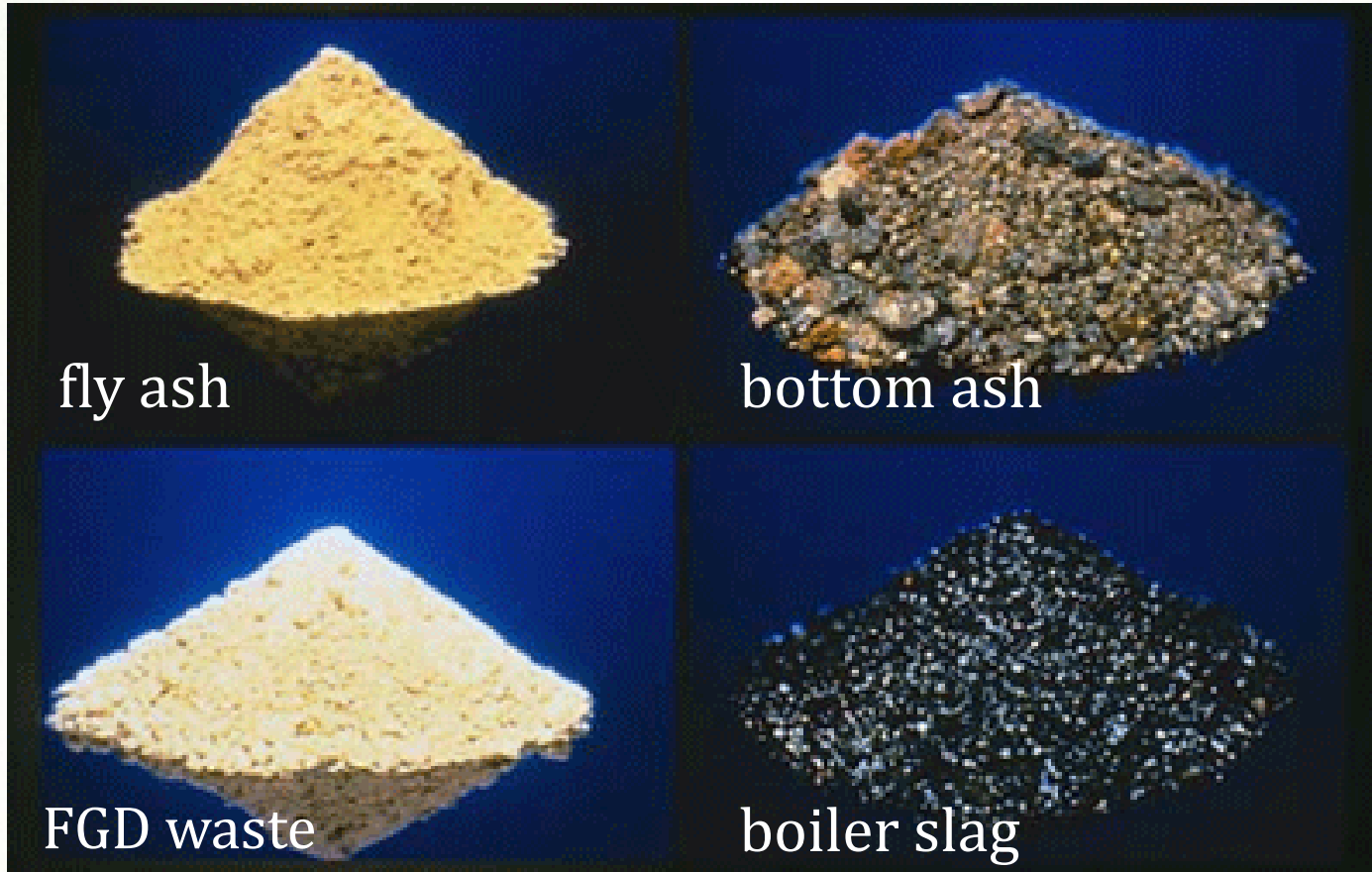
# Coal Ash and Indiana's Water

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# What is Coal Ash?



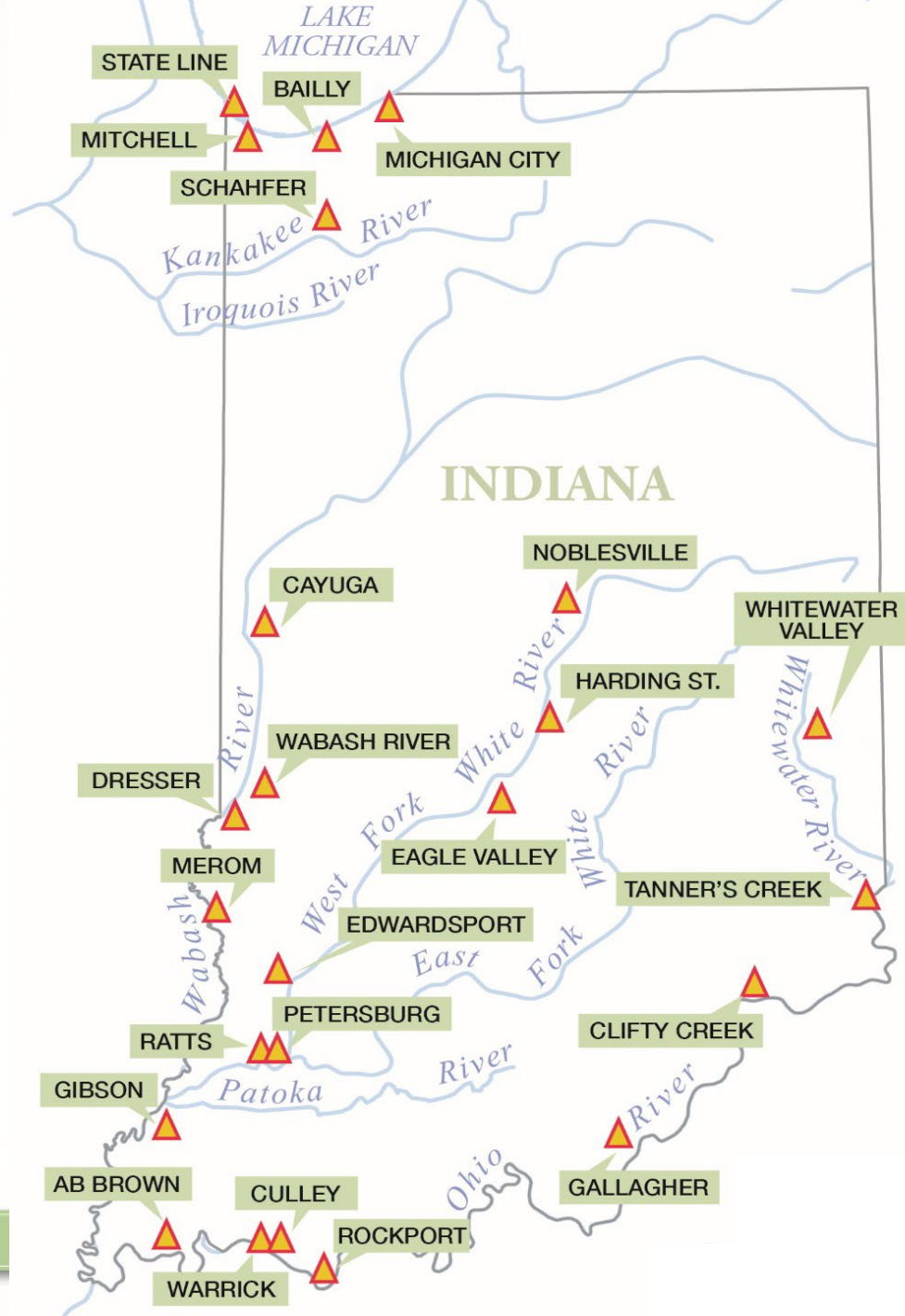


# How much is there?

Indiana produced  
4.9 million tons of coal ash in 2021

Where is coal ash?

The majority is in the floodplain.



# Coal Ash in the Floodplain

RIVER



ASH

GROUNDWATER

# Coal Ash & the Ohio River



© BlairPhoto EVV

# Coal Ash & the White River



White River

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Google earth

# What are the risks of Coal Ash?

## Spill







# What are the risks of Coal Ash?

- Contaminating water
- All but one of Indiana's coal ash sites has contaminated the groundwater

# Coal Ash Contaminates Water

- With a variable mix of
  - molybdenum, lithium, boron, arsenic, sulfate, cobalt, antimony, radium, lead, selenium and thallium
- Often many times the limit for drinking water

# What are the risks of Coal Ash?

- The contaminated groundwater is seeping into waterways

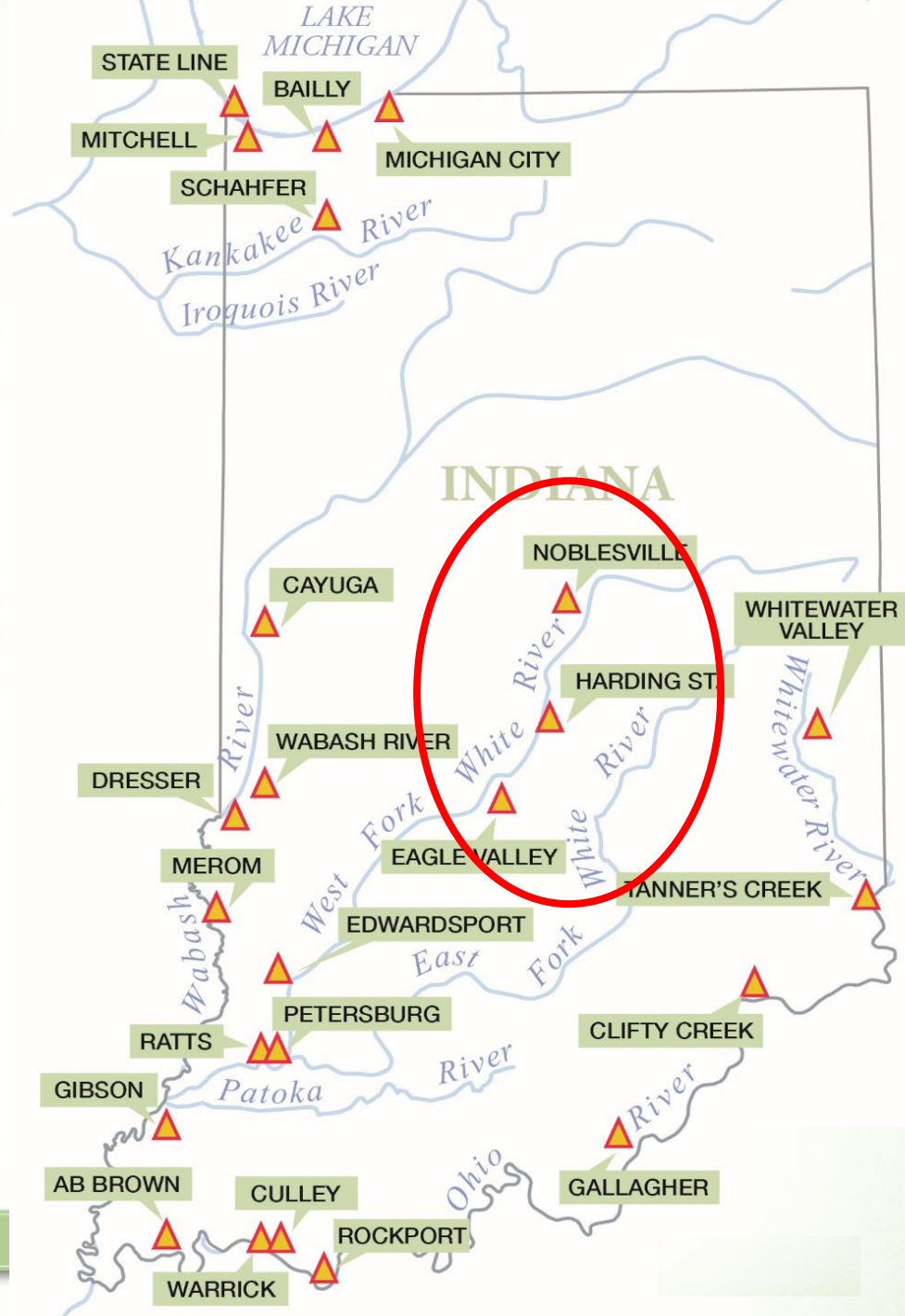
RIVER



GROUNDWATER



Some sites pump contaminated groundwater into the river.

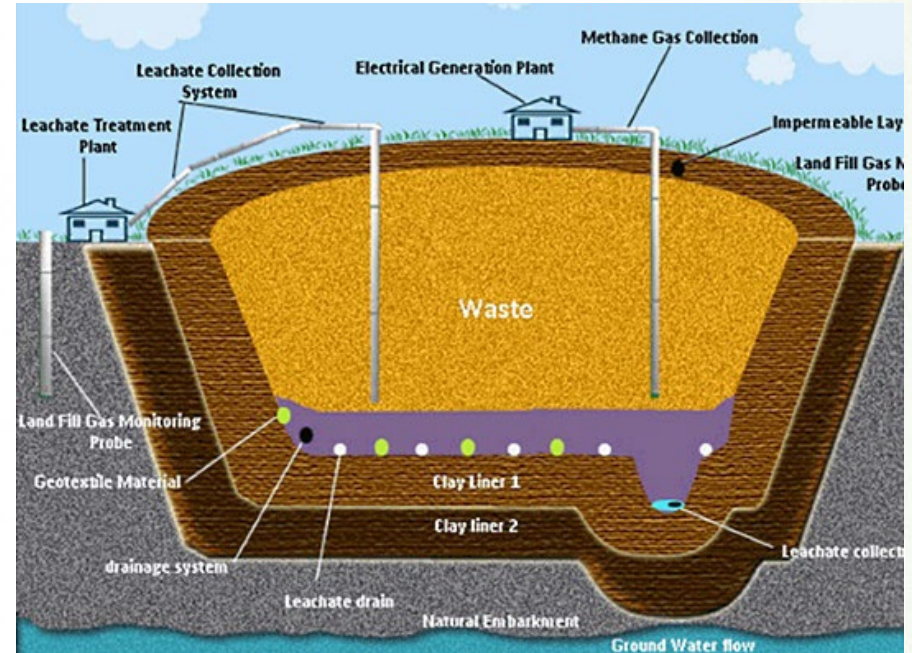


# Best Solutions for Coal Ash

Encapsulated uses: concrete, brick, wallboard



Well-engineered Landfill on high ground



# Current Regulation

## Federal

- EPA rule 2015
- 2023 proposed revision

## Indiana

- Some landfill requirements since 1990's
- State rule pending
- 2023 legislation



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