

Day 2

#whiteriveralliance
#indianawatersummit

INDIANA WATER LAW

what's in place
and what's missing?



STEWARDSHIP and ENVIRONMENTAL JUSTICE

"REGULATED RIPARIANISM"



CAREFUL ENTRUSTED

1983 WATER RESOURCES MANAGEMENT ACT
10-14-25-7

TIMELY & REASONABLE COMPENSATION
14-25-4
small capacity wells

IDEM

FEDERAL REGULATORY AUTHORITY

ENVIRONMENTAL PROTECTION AGENCY

EU PROGRAM

ACTION

PRACTICE

EQUITY LENS

COMMUNITIES that are FORGOTTEN

meet them WHERE they are

language dialects

\$50B for INFRASTRUCTURE to REMOVE LEAD from PIPELINES

\$4.7M DRINKING WATER

PLANS
LAWS
ACTS
GRANTS

TRUST PATIENCE INTENTION



REGULATION of WATER WITHDRAWAL FACILITIES

GREAT LAKES BASIN BOUNDARY

WATER UTILITY REGULATION

REGIONALIZATION

CONSOLIDATION

FIRST-COME FIRST-SERVE



LIMITS

WHAT AGENCY do I go to?

QUANTITY

QUALITY

legal

enforcement

compliance

REPORTING

INDIANA VS. OTHER STATES

stopped tracking

LIMITING PERMITS

GROUNDWATER

depends

POLLUTION from INDUSTRY

non-point source

IMPROVEMENTS

UNIFORMITY

RESOURCES for ADD'L OVERSIGHT REGULATION

PROPERTY OWNERS are PROTECTED

who OWNS the WATER?

TERRITORIAL DISPUTES

a lot of CRIMINAL ACTIVITY in INDIANA in WATER-related

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WATER and WASTEWATER UTILITIES

CYBER ATTACKS



ONBOARDING
OUT BOARDING



RETENTION OF EMPLOYEES
live the CULTURE every day

What we do EVERY DAY affects PUBLIC HEALTH & SAFETY

~~WASTEWATER~~
STIGMA
RECYCLED WATER
WATER RE-USE

WORKFORCE DEVELOPMENT

RECRUITING AND VOCATIONAL TRAINING AND EDUCATION

INTERNSHIPS
emphasis on TRADES

WE PROVIDE SAFE DRINKING WATER

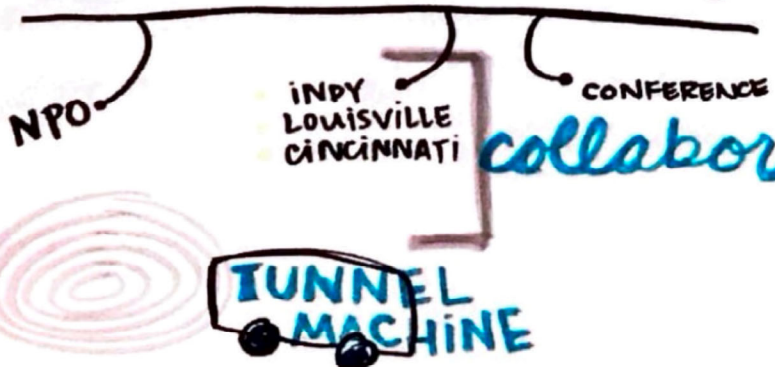
MAKE THE NEED KNOWN

OUTREACH
public visibility
positive recognition

VETERANS

OPERATORS WEAR MANY HATS

FIVE CITIES PLUS



CRITICAL to AVOID GAPS

1.7^M PEOPLE in U.S. in WATER/WASTEWATER TREATMENT

APPRENTICESHIP PROGRAMS



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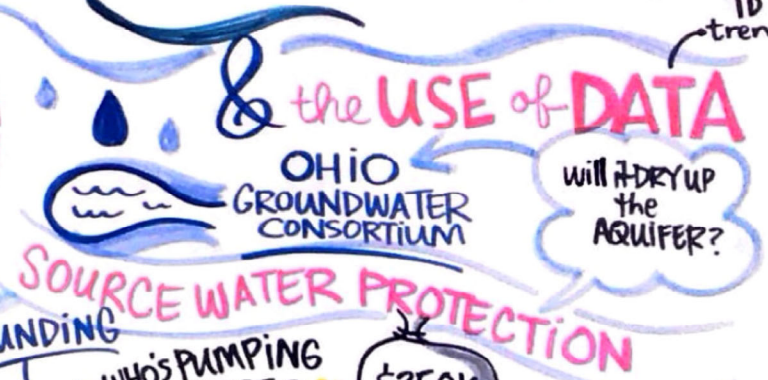
NUTRIENT REDUCTION INITIATIVES

SOURCE WATER REDUCTION

USDA > NRCS



SOURCE WATER PROTECTION



SOIL EROSION is INSIDIOUS

LOCAL LEVEL
SOIL + WATER CONSERVATION OFFICES

INDIANA: 24 MILLION ACRES

HALF is AGRICULTURE

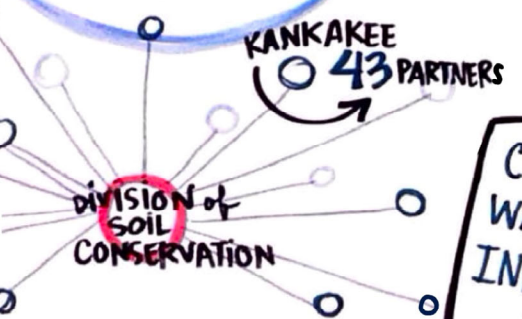
340 BUSHELS/ACRE in CORN

PARTNERSHIPS

WATERSHED INITIATIVES

MOLECULE MAP

INDIANA WATER SUMMIT



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MONITORING

GOOD SOIL TEST

COLLABORATION

PRO-ACTIVE vs. RE-ACTIVE

AGRICULTURAL AREAS vs. URBAN AREAS

FUNDING FOR BOTH

INDIANA GEOLOGICAL & WATER SURVEY

MEASURING IMPACT



GET INVOLVED in your DISTRICT!

ENCOURAGE COMPLEX PRACTICES

SOURCE WATER

OHIO

EXPOSED PIPELINE due to EROSION

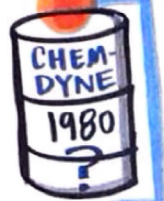
critical drinking water area

1949 CRUDE OIL MAIN

WE'RE VULNERABLE



\$35M to CLEANUP this ONE SITE



30K DRUMS

62M GALLONS of GROUNDWATER per day USED by MEMBERS

FUNDING

WHO'S PUMPING the MOST?

SOURCE WATER PROTECTION

COST-EFFECTIVE POLLUTION PREVENTION

CONVERSATIONS

AREA of INFLUENCE

POLLUTANTS

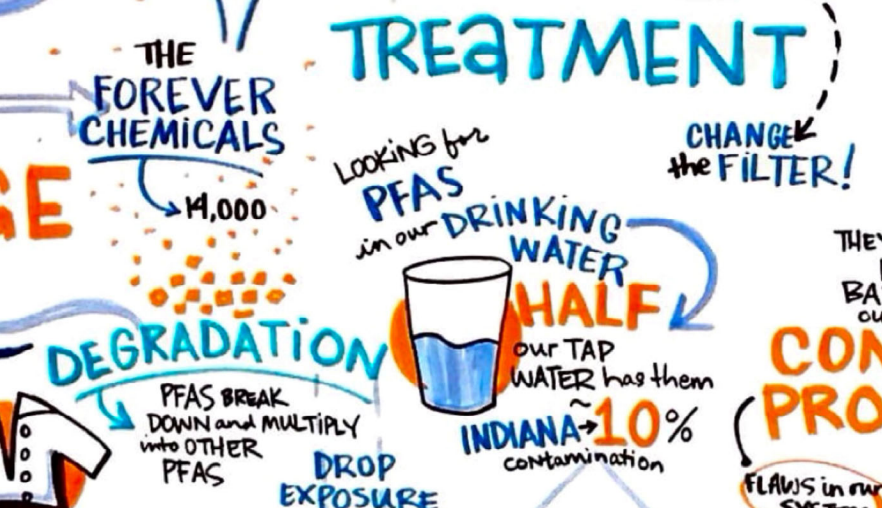
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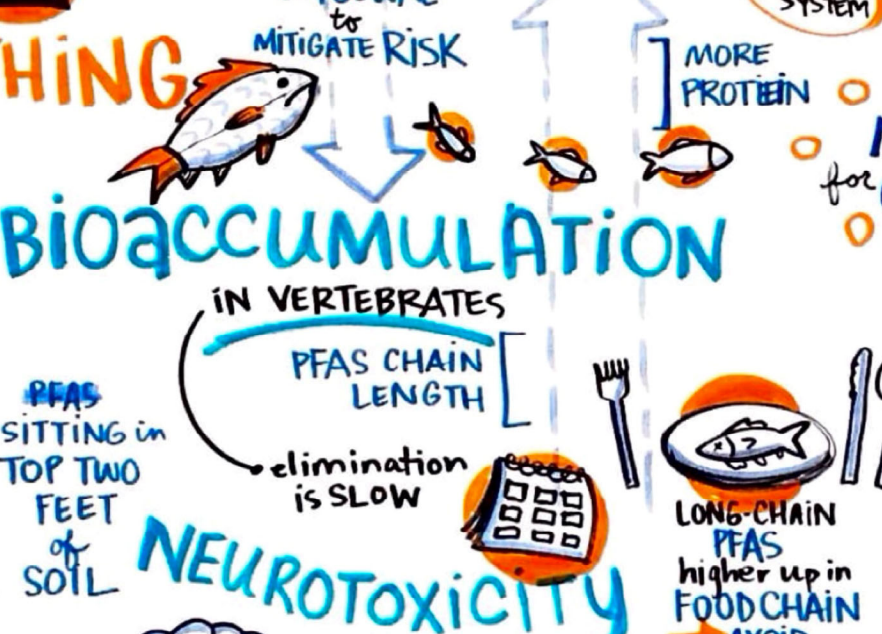
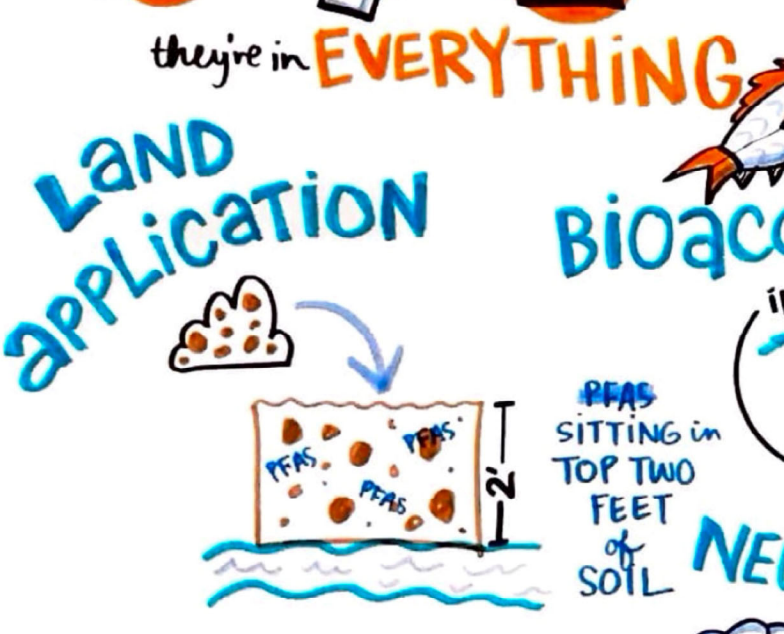
MEETING the PFAS CHALLENGE



ACTION DISCUSSION



COMPLEX PROBLEM
THEY CAN'T be BANNED OUTRIGHT!
FLAWS in our SYSTEM
"ESSENTIAL USE"



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