





Welcome to our biannual Watershed Inspector Training.

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- Thank you for attending and for the work that you do. It is the first line of defense in protecting our drinking water sources.
- Please continue to develop and maintain partnerships as part of your comprehensive watershed survey program – municipalities, local health departments, state and federal agencies.

patagonia

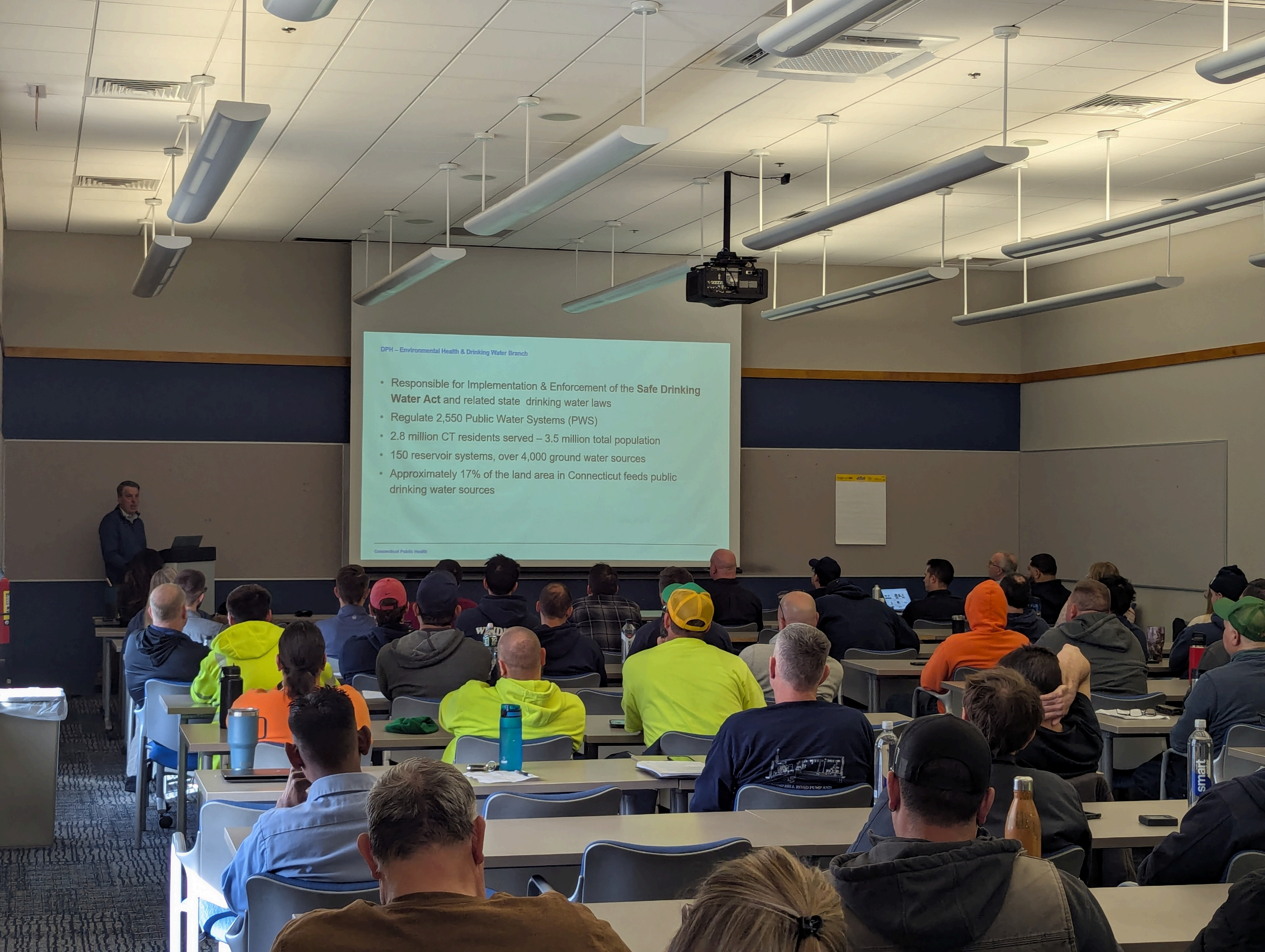
Welcome/Housekeeping

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DPH - Environmental Health & Drinking Water Branch

- Responsible for Implementation & Enforcement of the **Safe Drinking Water Act** and related state drinking water laws
- Regulate 2,550 Public Water Systems (PWS)
- 2.8 million CT residents served – 3.5 million total population
- 150 reservoir systems, over 4,000 ground water sources
- Approximately 17% of the land area in Connecticut feeds public drinking water sources

Connecticut Public Health



Multi-Barrier Approach to Drinking Water Quality

The following steps are an important part of the multi-barrier approach:

- Selecting the best available drinking water source;
- **Protecting the drinking water source from contamination;**
- Using effective water treatment; and
- Preventing water quality deterioration in the water distribution system.



Public Drinking Water Map Viewer

Connecticut Department of Public Health

- Whats In/Out of watershed
- Whats served by sewers/septic
- Property Lines
- Town Lines

- Drinking Water Standards
- Service Area of Community Public Water Systems
- Connecticut State Service Areas
- Assets
- Intersecting
- Leak
- Point-Of-Use
- Connecticut GIS and Parcel Layer
- Surface Water Source Protection Permit Book
- Reference Service Area of Jan. 2022
- Approved Drinking Water
- Color, 2022

Connecticut Public Health

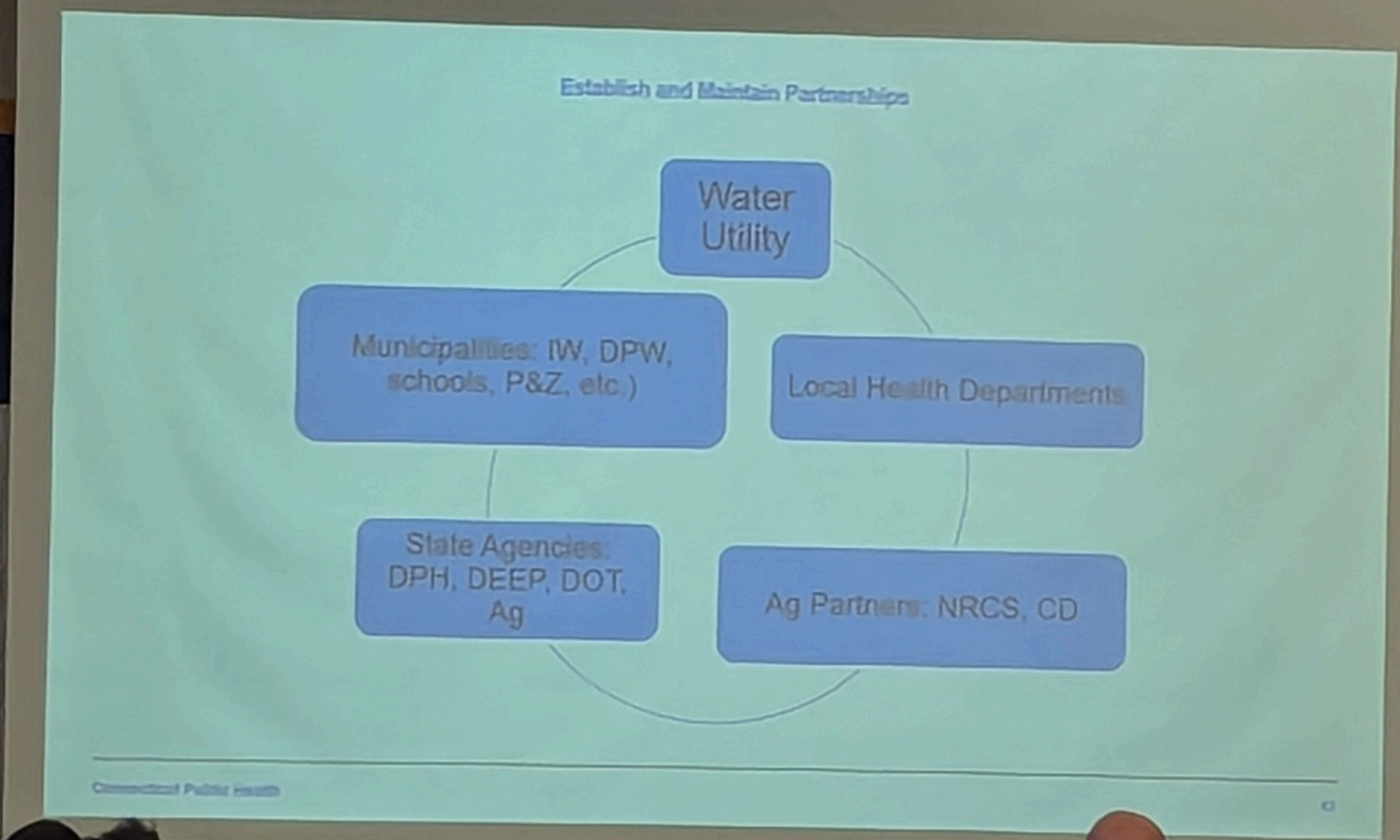
Man at podium

Person in orange jacket

Person in yellow jacket

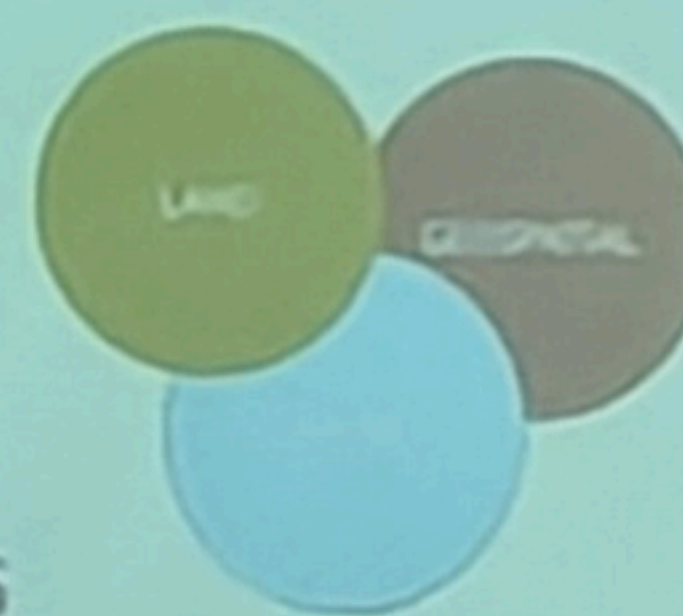
Person in yellow high-visibility jacket

Person in blue hoodie with logo



CLEAR provides research, tools, information, and assistance to communities and other audiences in support of:

- better land use decisions
- healthier natural resources
- more resilient communities

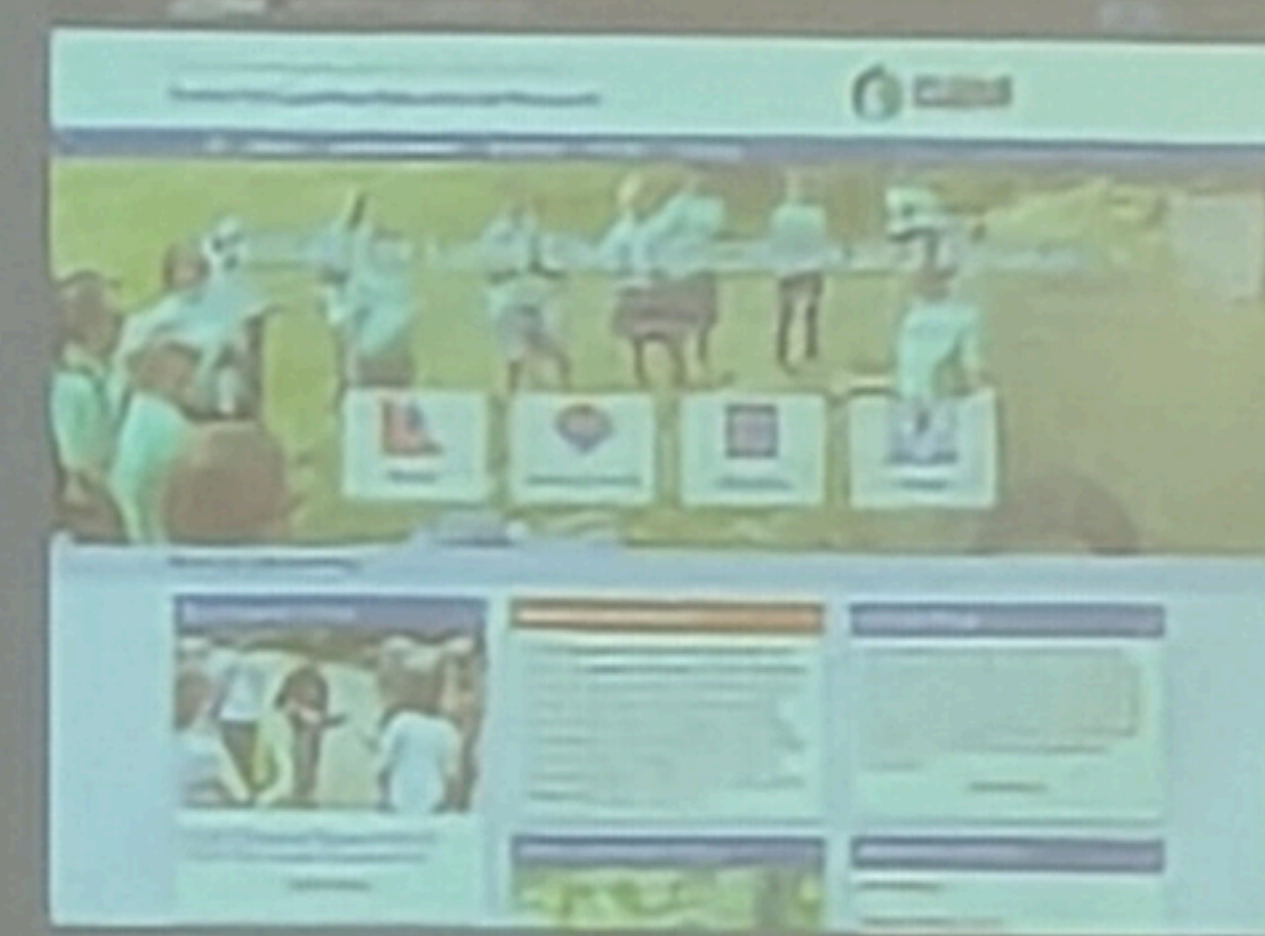


A partnership of:
UConn
COLLEGE OF AGRICULTURE,
FOREST AND NATURAL
RESOURCES



UConn
COLLEGE OF AGRICULTURE,
FOREST AND NATURAL
RESOURCES

Center for Land Use Education and Research (CLEAR)



<https://clear.uconn.edu>



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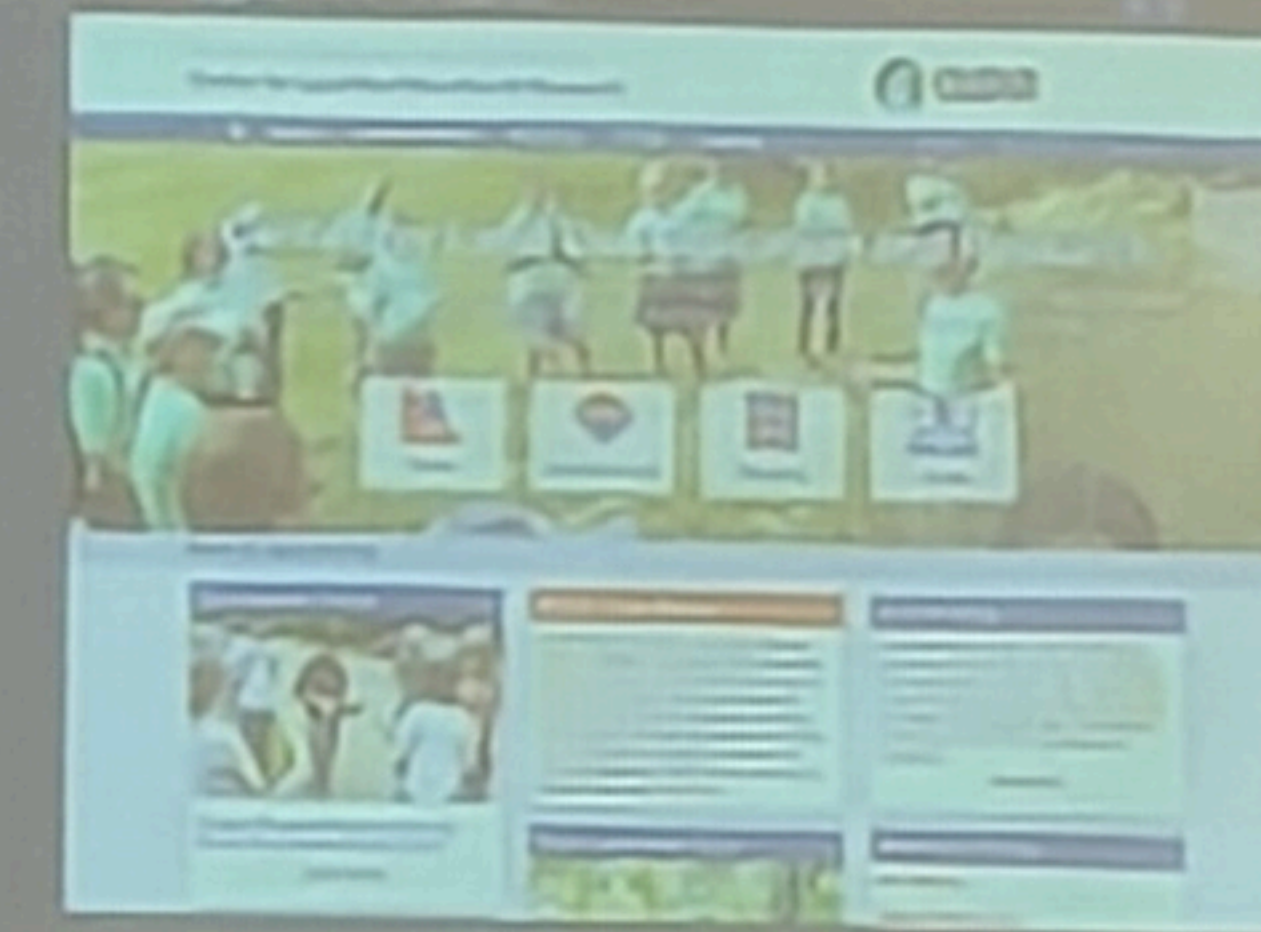


A partnership of:
UConn
COLLEGE OF AGRICULTURE,
RISK AND NATURAL
RESOURCES
EXTENSION



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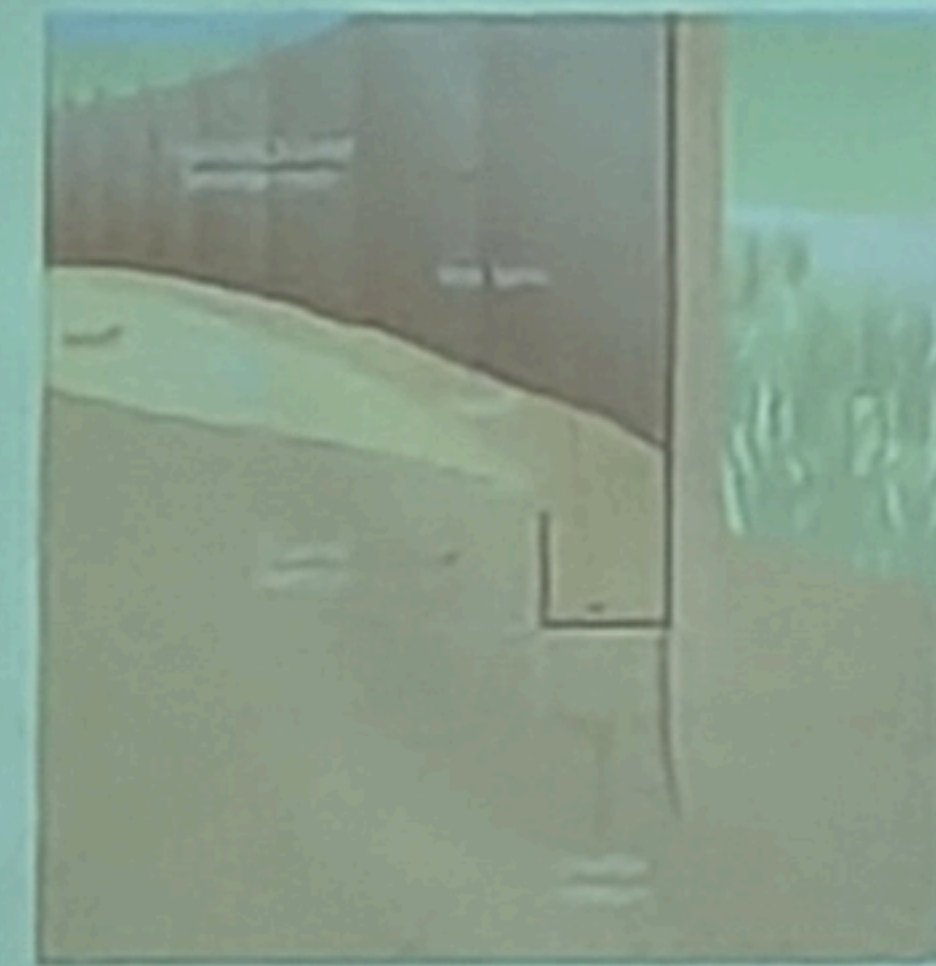


<https://clear.uconn.edu>



Construction sites: common ESC measures

Silt fence
(properly installed)



Speaker at a podium

Audience of construction workers

UCONN UNIVERSITY OF CONNECTICUT

Resources

- General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities
 - https://portal.ct.gov/-/media/deep/permits_and_licenses/water_discharge_general_permits/stormconst/gopdf.pdf?rev=b42fe03be3684302828d31a0410a335d&hash=8917ECA337CA46E0886D4B322AAD6718
- MS4 General Permit
 - <https://portal.ct.gov/deep/water-regulating-and-dischargea/stormwater/municipal-stormwater>





REGIONAL WATER AUTHORITY

FREEFLY

FREEFLY

Control panel with various buttons and switches:

- Power button (red)
- Mode buttons (A1, A2, A3, A4, A5)
- Function buttons (D1, D2, D3, D4)
- Joystick (left)
- Joystick (right)

REGIONAL WATER AUTHORITY

Average 45 Million Gallons of Water Per Day

Serve ~430,000 Customers

Ten active reservoirs

Four surface water treatment plants

Seven wellfields

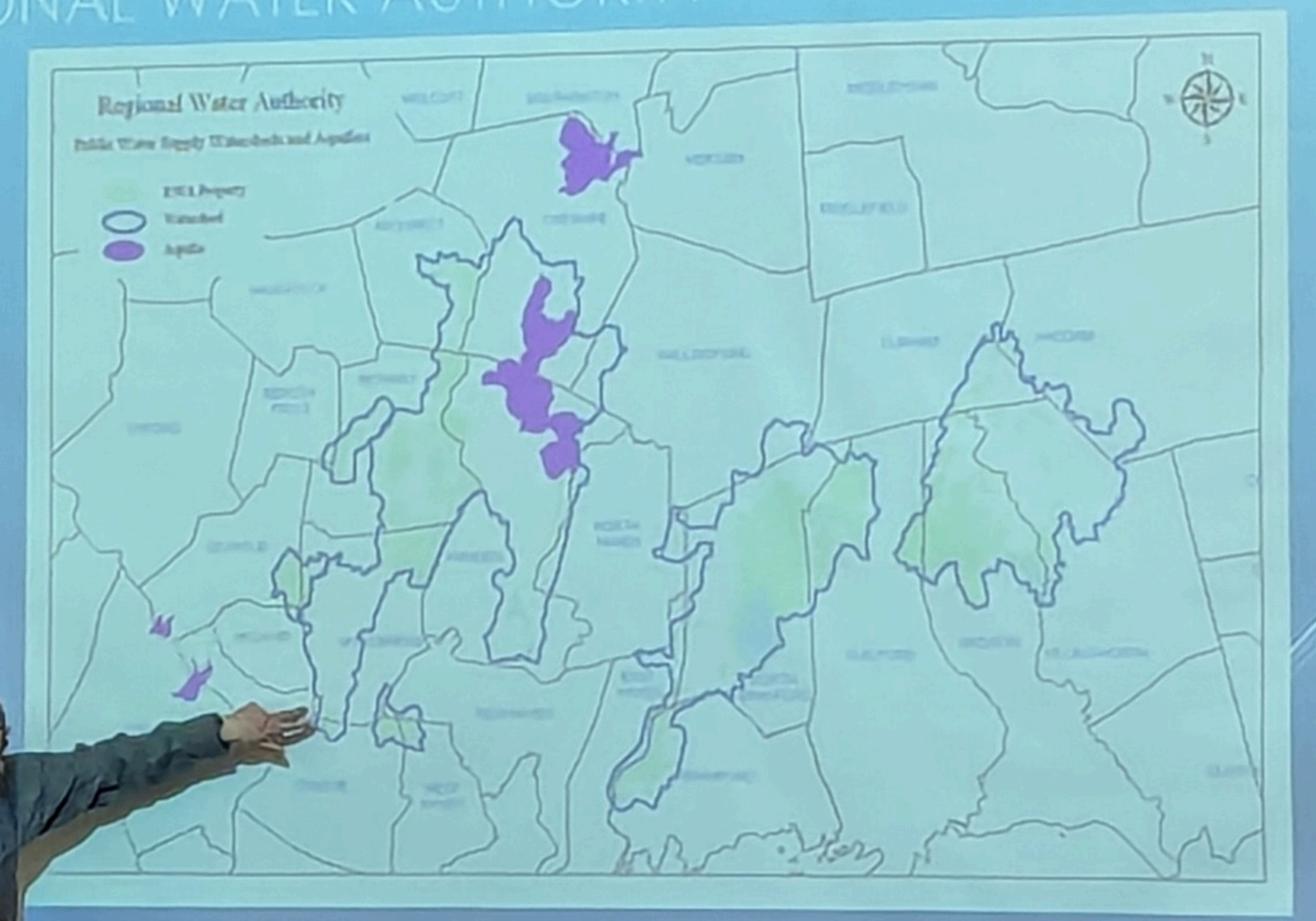
Maintain 1,700 miles of pipe

Own over 27,000 acres of land

60+ miles of recreational trails



REGIONAL WATER AUTHORITY WATERSHEDS/AQUIFERS



REGIONAL WATER AUTHORITY WATERSHEDS/AQ





VEHICLES ENTERING LAKE WHITNEY

A man in a dark jacket and glasses stands at a podium on the left side of the room, presenting to the audience.

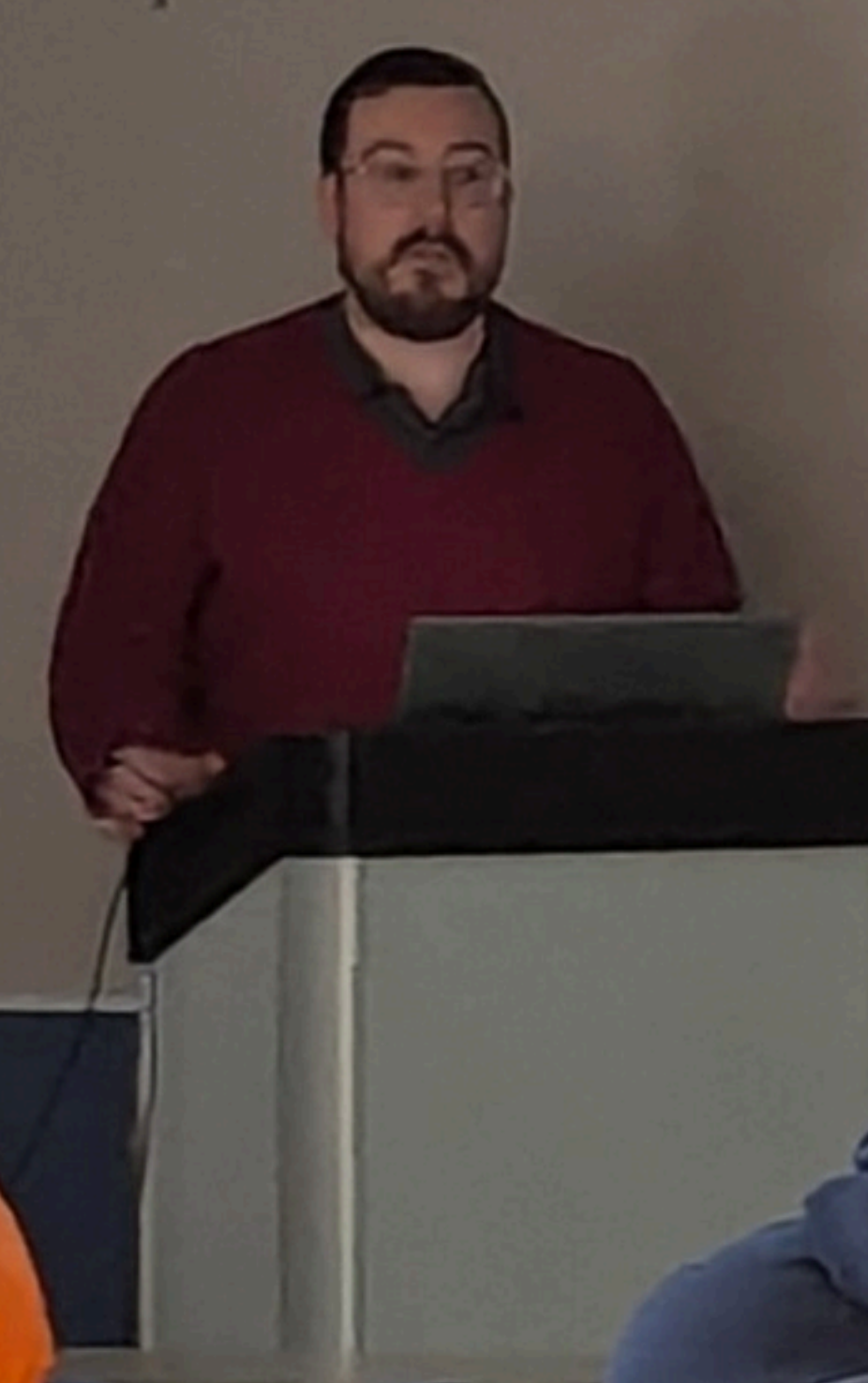
An audience of approximately 20 people is seated at desks in a classroom, facing the presentation screen. The audience members are dressed in casual attire, including jackets and hoodies. Some individuals are wearing hard hats, and one person in the foreground is wearing a white hard hat. A blue water bottle is visible on a desk in the foreground.

Utilization of unmanned aerial vehicles (UAVs) for inspection and documentation.

Joshua Tracy
Forester II & Drone Manager
South Central CT Regional Water Authority





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Utilization of unmanned aerial vehicles (UAVs) for inspection and documentation.

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South Central CT Regional Water Authority



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Preventing PFAS Contamination
2025 DPH Watershed Inspector Training

Meghan Lally, PFAS Lead/Environmental Analyst, CT DEEP Remediation Division
March 25, 2025

Connecticut Department of Energy & Environmental Protection

Meghan Lally, PFAS Lead/Environmental Analyst, CT DEEP Remediation Division



Preventing PFAS Contamination
2025 DPH Watershed Inspector Training

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March 25, 2025

Connecticut Department of Energy & Environmental Protection

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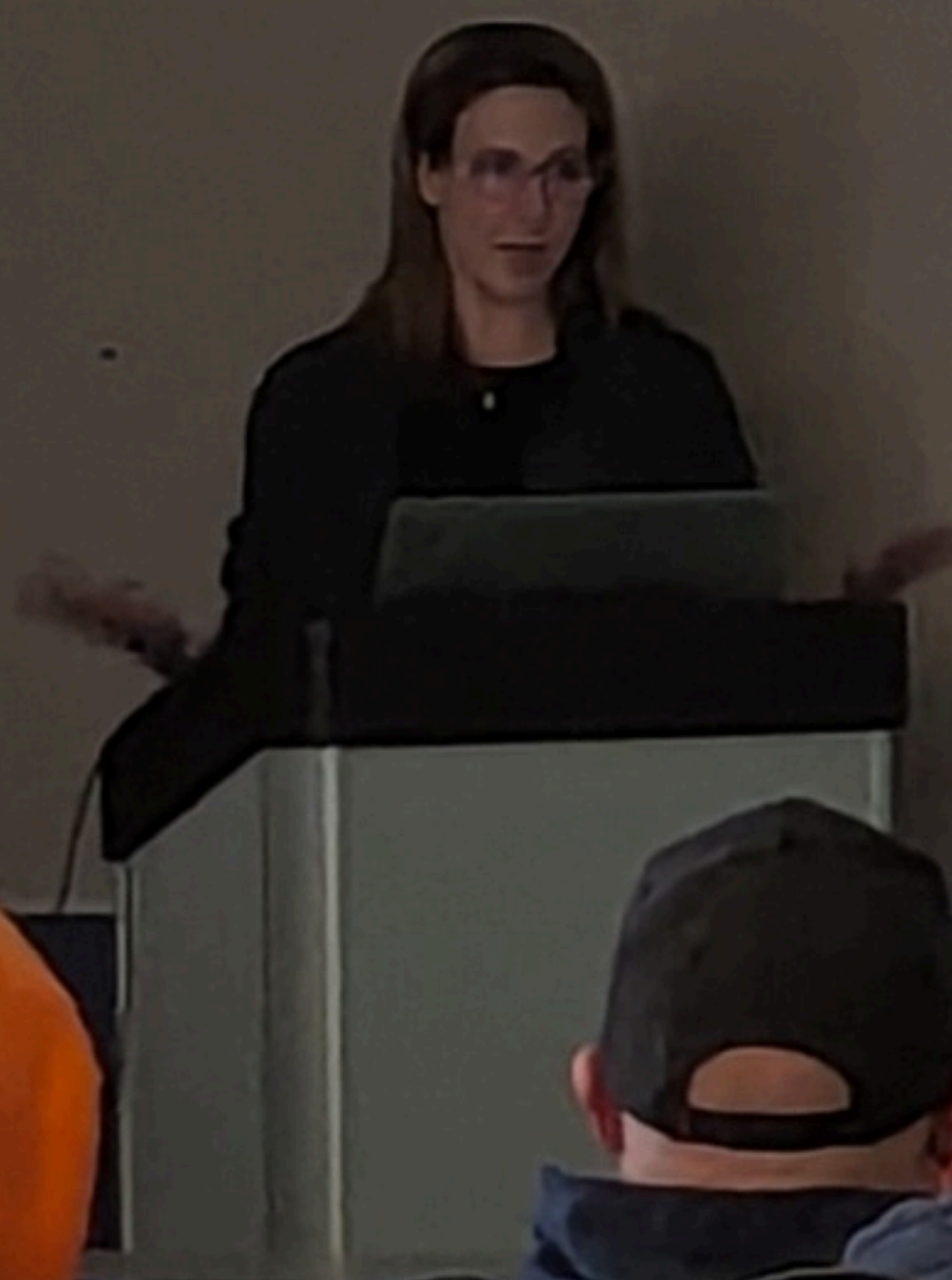
CONNECTICUT
ENERGY & ENVIRONMENT

Preventing PFAS Contamination

2025 DPH Watershed Inspector Training

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Connecticut Department of Energy & Environmental Protection



Speaker

USDA
United States Department of Agriculture



Natural Resources Conservation Service

Kate Bousquet,
State Agronomist
USDA NRCS CT
March 25, 2025

**Watershed Inspector Training:
Inspecting Agricultural Properties**

Natural Resources Conservation Service
nrcs.usda.gov/

Attendees

USDA
United States Department of Agriculture



Natural Resources Conservation Service


Kate Bousquet,
State Agronomist
USDA NRCS CT
March 25, 2025

**Watershed Inspector Training:
Inspecting Agricultural Properties**

Natural Resources Conservation Service
nrcs.usda.gov/

A woman in a blue jacket stands at a podium on the left side of the room, presenting to the audience.

An audience of several people is seated at tables in the foreground, facing the presentation screen. Some individuals have water bottles and papers on their tables.

 **CONNECTICUT**
Public Health

**Septic Systems:
Identifying Signs of
Problems**

Watershed Training Workshop
March 25, 2025

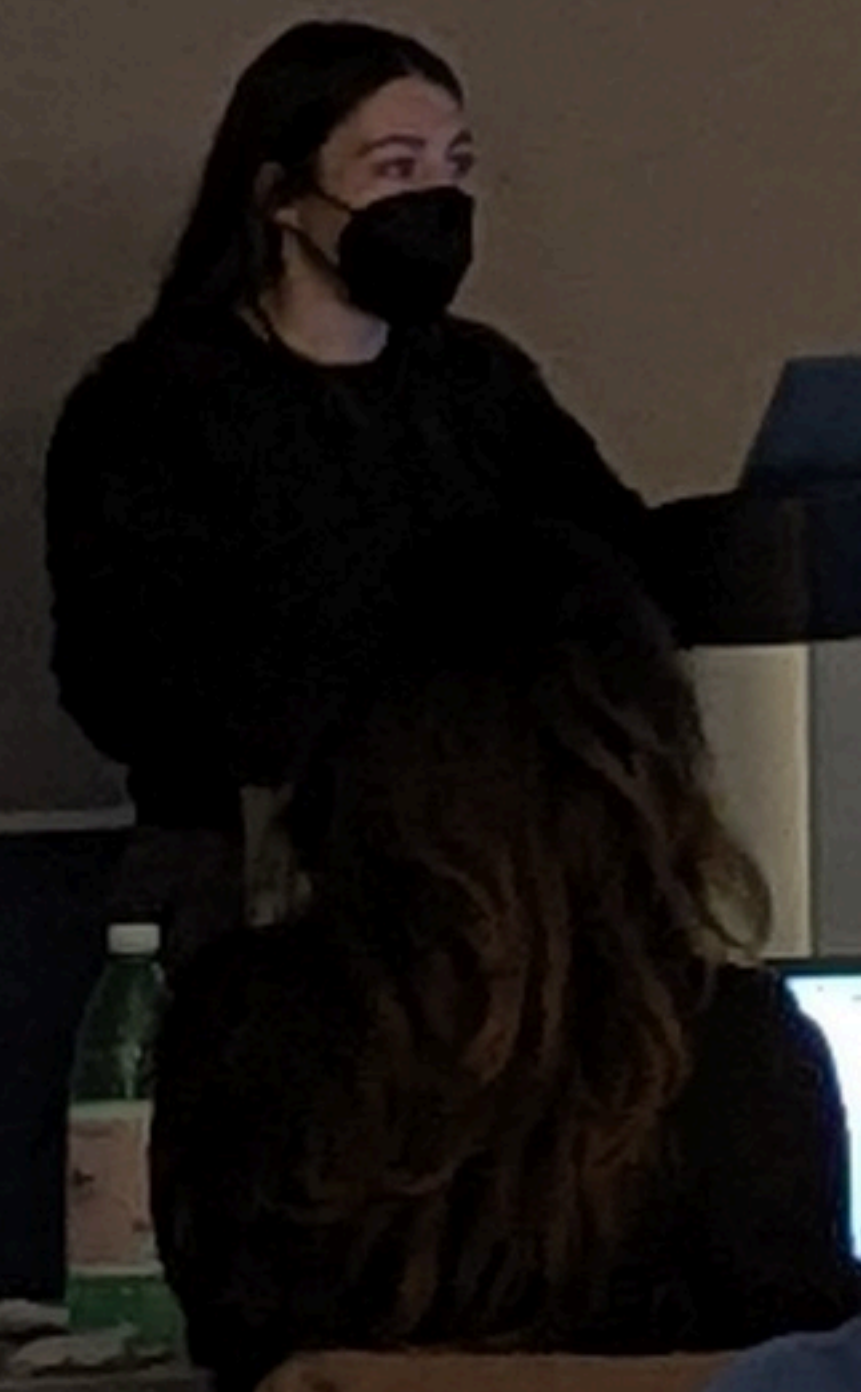
A woman wearing a black top and a black face mask stands at a podium on the left side of the room, presenting to the audience.

An audience of approximately 20 people is seated at long tables in a classroom, facing the projection screen. The attendees are dressed in casual attire, including hoodies, jackets, and caps. Some individuals have water bottles and papers on their tables. The room features a grey carpet, a whiteboard on the left wall, and a projector mounted on the ceiling.



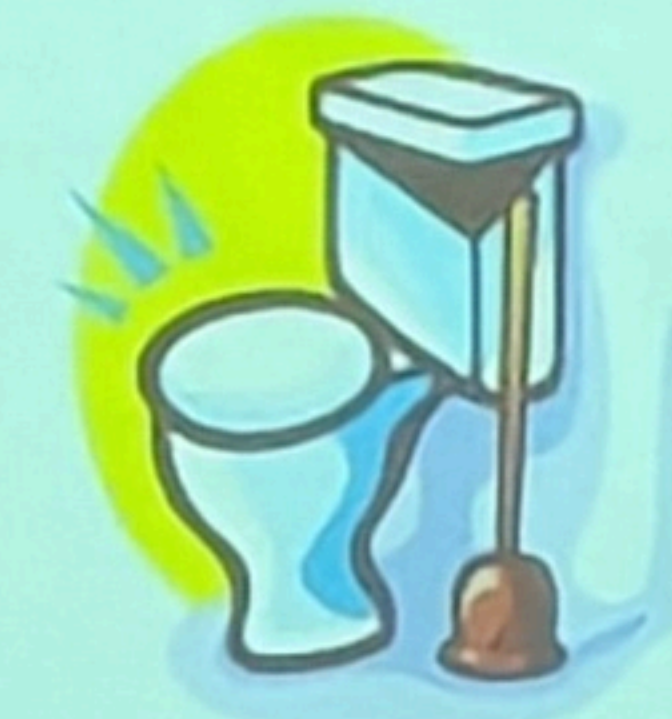
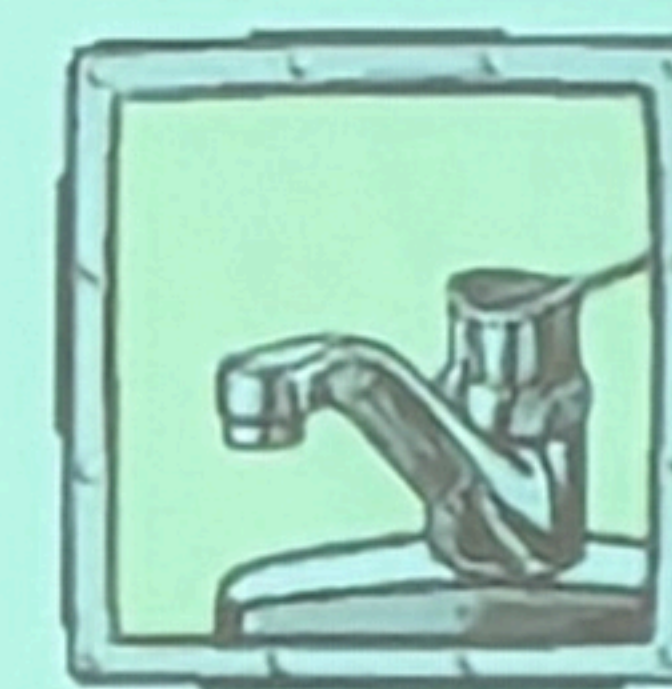
Septic Systems: Identifying Signs of Problems

Watershed Training Workshop
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Domestic Sewage is produced in homes and businesses.

- Water and Human Excretions
 - Toilets
 - Bathing Water
 - Shower
 - Tub
 - Cooking and Cleaning
 - Laundry
- Waste From Restaurants and Commercial Buildings



MANCHESTER
WATER & SEWER

pat-sonia