## **Tools for Source Water Protection**



Tuesday, March 21, 2023, 2:00pm - 3:00pm Eastern

#### Speakers:

 Terrell Tiendrebeogo, Environmental Engineer, U.S. EPA Office of Ground Water and Drinking Water

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# Watershed Academy Webcast

- The slides for today's presentations are posted on the Watershed Academy webpage.
- A recording of the webcast will be posted within the next month.

www.epa.gov/watershedacademy

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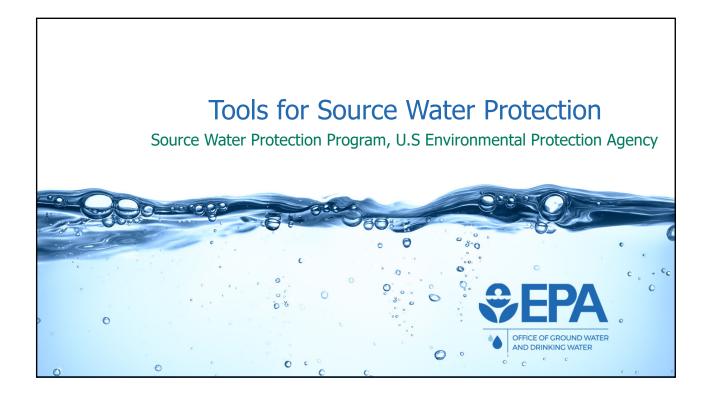
# Webcast Logistics

- To Ask a Question Type your question into the "Questions" tool box on the right side of your screen and click "Send."
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# **Audience Polling**

# Questions?



## Source Water Protection 101



**Source Water Protection** – integrating environmental programs to safeguard, maintain, and/or improve the quality/quantity of drinking water sources such as rivers, streams, lakes reservoirs, springs and groundwater and their contributing areas.



Part of a multi-barrier approach to clean drinking water



**Voluntary Actions** 



Coordination across environmental programs



Watershed investment program

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## **Common Terms**



- **Source Water Protection Area** the land area that contributes water to the drinking water supply and where pollution from human activities or natural sources poses the greatest threat to source water quality.
- Source Water Assessment studies or reports that generate information about
  potential contaminant sources and the potential for systems to be impacted by
  these sources.
- Source Water Collaborative Program a partnership organization united to protect America's drinking water at its source



Example of source water protection area delineation

## **Tools**



## The Drinking Water Mapping Application to Protect Source Waters (DWMAPS)

DWMAPS is an online mapping tool that helps state and utility drinking water professionals in concert with other state and local mapping tools to update their source water assessments and protection plans.

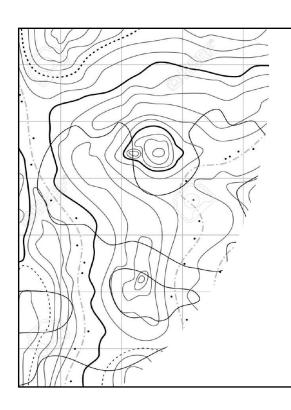


## **Funding Integration Tool for Source Water** (FITS)

FITS is a one-stop-shop tool that explains how users can integrate various federal funding sources to support activities that protect sources of drinking water.



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THE DRINKING WATER MAPPING
APPLICATION TO PROTECT
SOURCE WATERS
(DWMAPS)

#### WHAT IS DWMAPS?

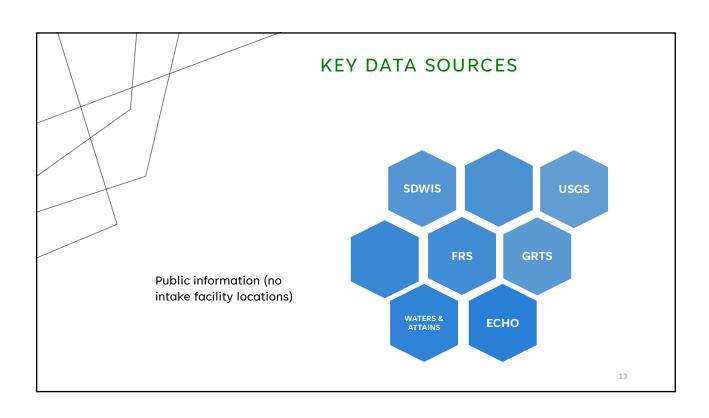
- An online mapping tool focused on drinking water data for source water protection
- Planning and assessment tool
- Emergency response tool

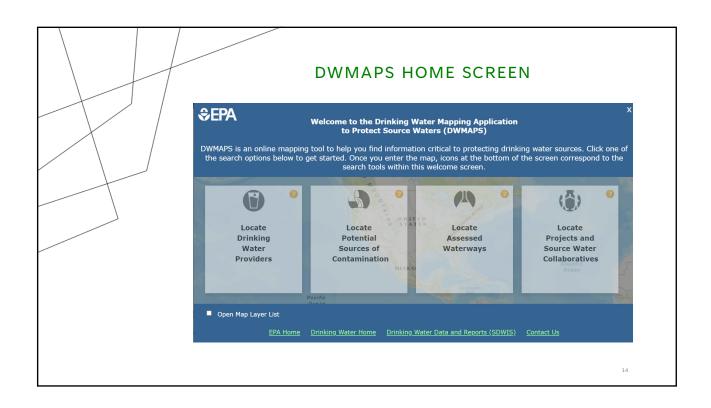
### **DWMAPS GOAL**

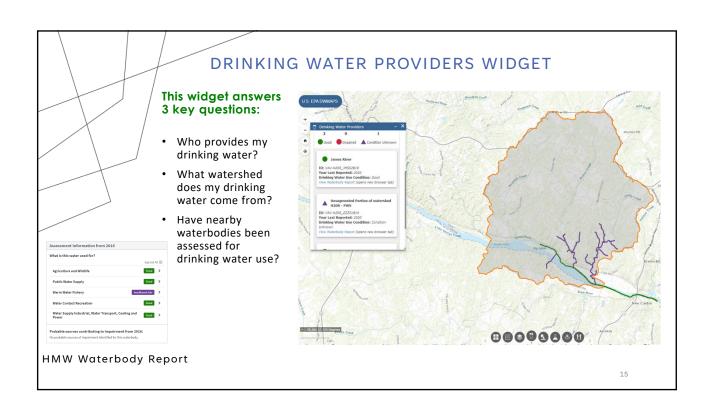
To provide a nationwide online mapping tool for data critical to drinking water source protection

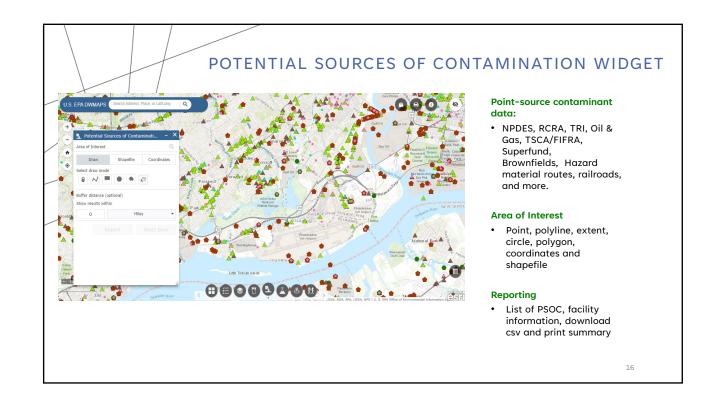
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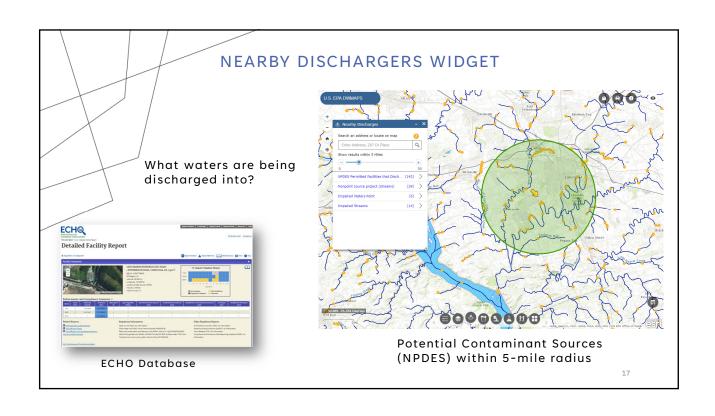
## HOW CAN YOU USE DWMAPS? (2) Determine susceptibility (3) Inventory Identify watershed areas significant to source water protection (1) Learn which public water systems serve your community Engage the public about threats identifing the assessment **Delineate** • Identify & characterize potential contaminant sources (point & non-point) to support vulnerability assessments, protection planning, & emergency planning (4) • Prioritize protection strategies Evaluate • Promote program integration (CWA-SDWA) • Build strong partnerships and support program implementation

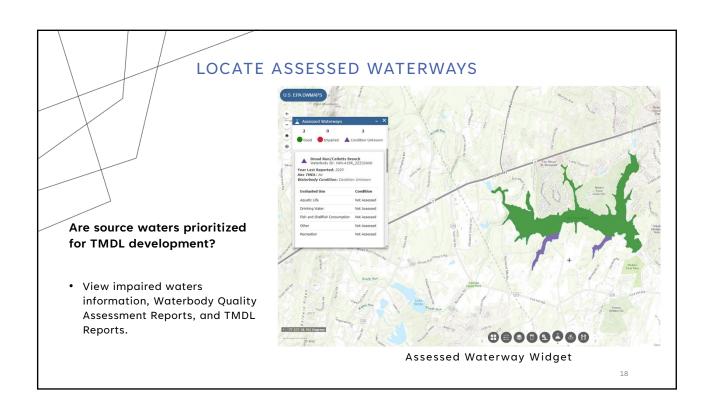


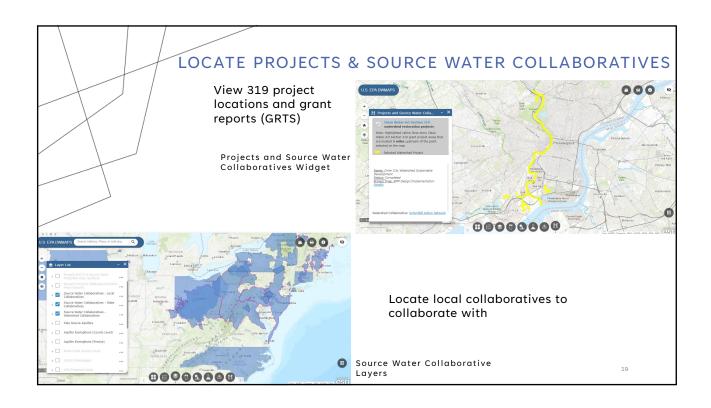


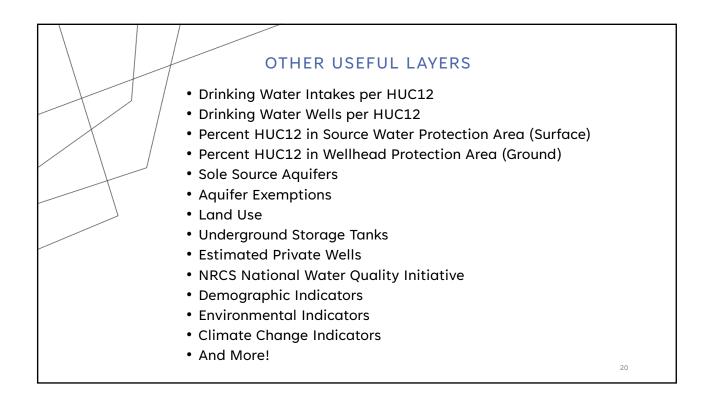


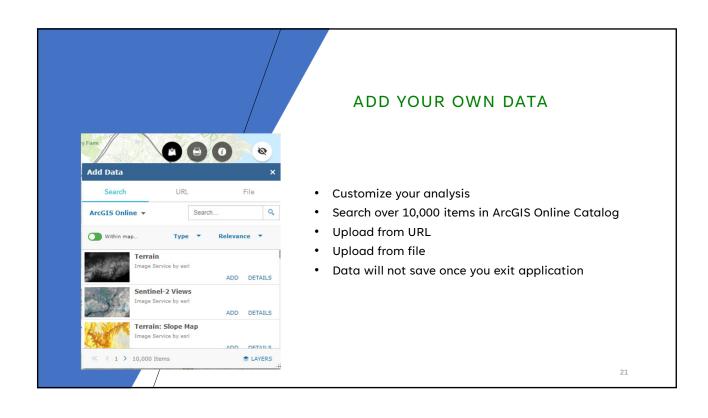


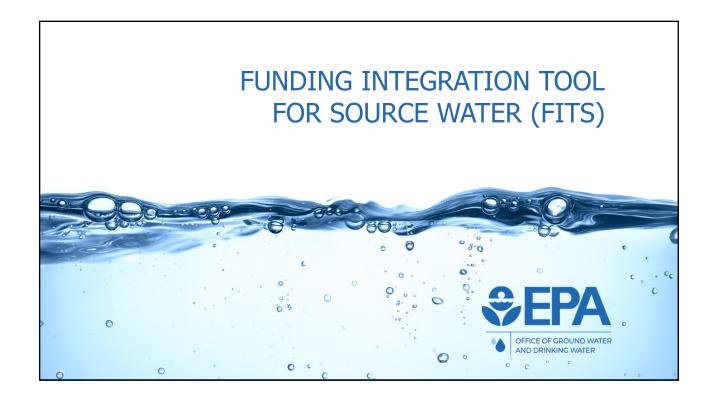












## Background: Help Navigating the Funding Landscape





Request from the States, ASDWA, other groups



Some pioneers in the States have already used multiple funds for source water protection



Wanted to have an easy way to convey this interconnected information



Spirit of One Water



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## Many Opportunities to Plan and Fund SWP





One Stop Shop for major Federal Funding Sources



Cross-program planning considerations



Tips long-term planning

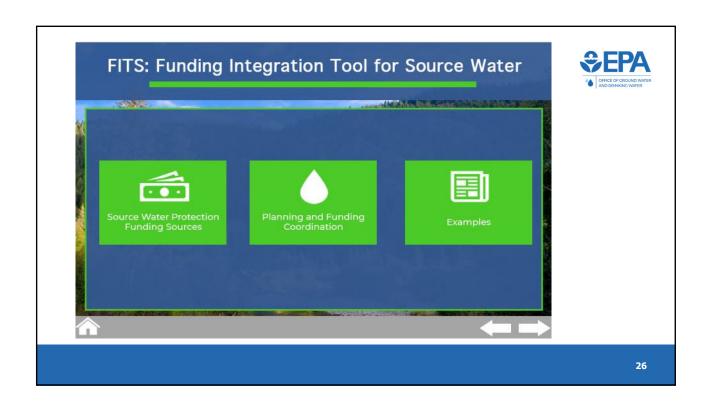


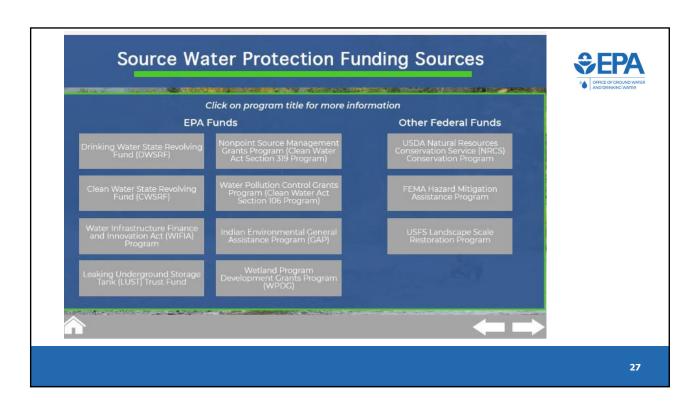
Rooted in real-world examples

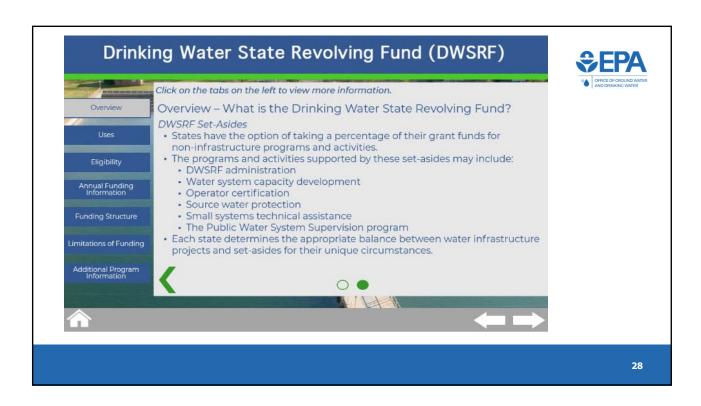


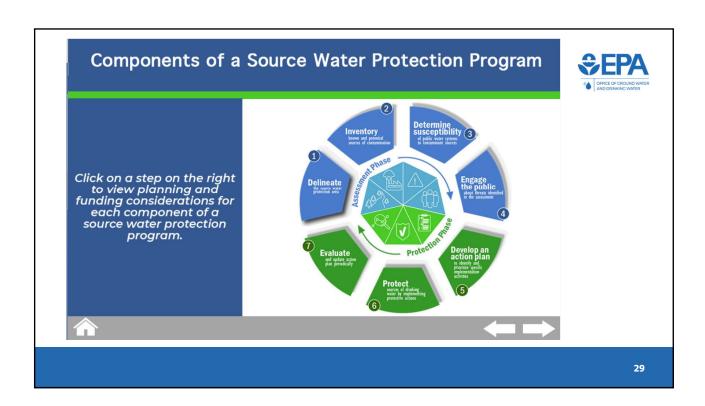
Interactive Captivate Module on EPA's website





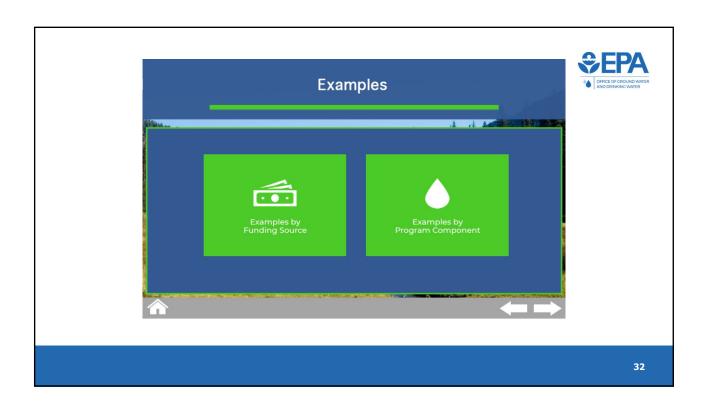




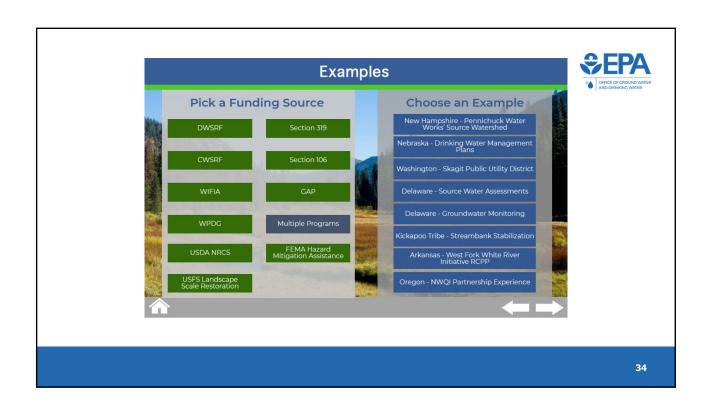


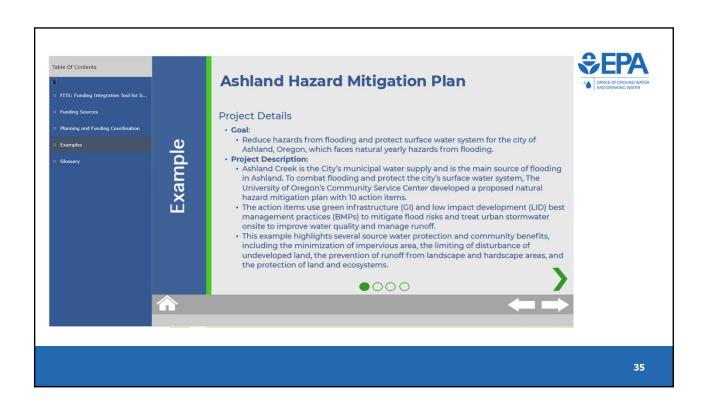


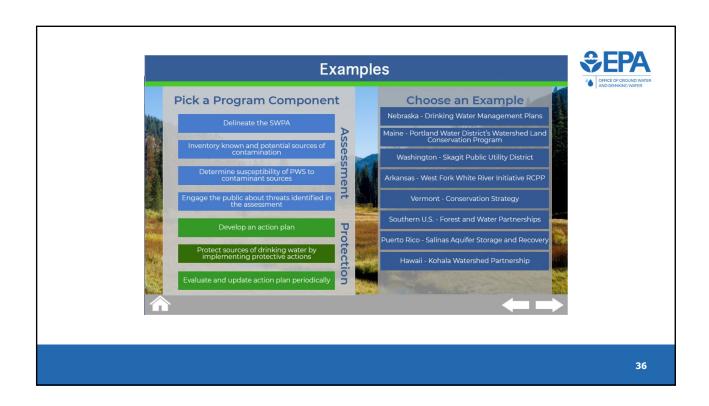




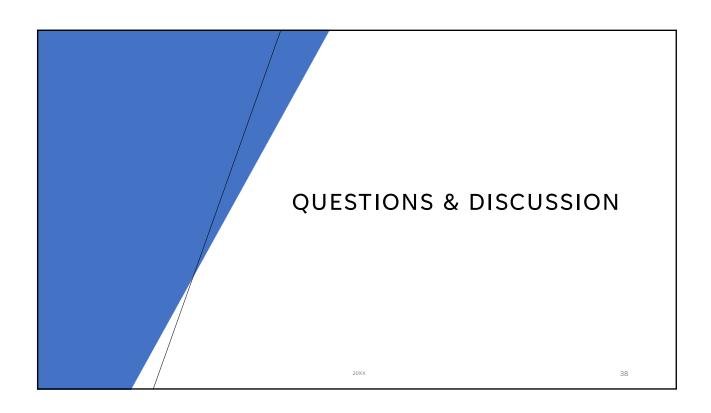








## Thank you! **RESOURCES** • EPA Source Water Protection page: https://www.epa.gov/sourcewaterprotection DWMAPS: https://www.epa.gov/sourcewaterprotectio n/drinking-water-mapping-application-protectsource-waters-dwmaps **EPA Funding Integration Tool for Source Water** (FITS): https://www.epa.gov/sourcewaterprotection/fits SWP CONTACTS (EPA HQ) April Byrne – <u>byrne.april@epa.gov</u> Sherri Comerford - Comerford.Sherri@epa.gov Kara Goodwin - <u>goodwin.kara@epa.gov</u> Daniela Rossi – rossi.daniela@epa.gov Terrell Tiendrebeogo – $\underline{tiendrebeogo.terrell@epa.gov}$



## Participation Certificate

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# Watershed Academy Webcasts

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# **Contact Information**

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# Thank You!