

Source Water Protection: Integrating environmental programs to protect drinking water at the source

CWA 303(d) and 319 Protection Learning Exchange, July 14th, 2022



OFFICE OF GROUND WATER
AND DRINKING WATER

What is Source Water Protection?

- 🌿 Part of a multi-barrier approach to clean drinking water
- 🌿 Voluntary actions
- 🌿 Coordination across environmental programs
- 🌿 A watershed investment program



photo courtesy of Strafford Rivers Conservancy

Why Source Water Protection?

- Reduce treatment costs & capital expenses and minimizes complexity
- Reduce risk to public health
- Achieve water quality improvement goals



Source Water Protection Collaboration



USDA: 2018 Farm Bill provisions







America's Water Infrastructure Act of 2018



29 National Organizations Working Together to Protect America's Drinking Water at the Source!



sourcewater
C O L L A B O R A T I V E

-  Members of the collaborative work together to address a wide breadth of issues
-  The Agriculture & Water Nexus – not new, but broader focus
-  Conduit for Bringing Us Together
-  Focus on Tools & Partnerships

Source Water Protection Workshops



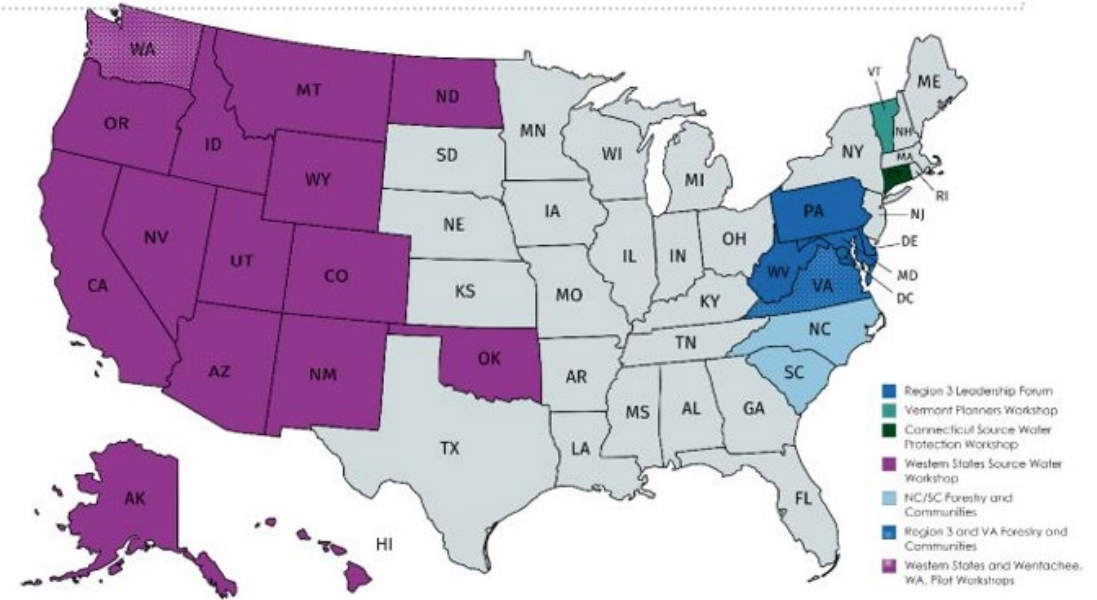
State-led workshops provide opportunities for building and growing partnerships, exchanging information with peers, and learning about leveraging resources for protection activities.



OGWDW provides logistical and facilitation support, works with planning teams to develop agendas, and funds speaker travel.






We are supporting planning teams through COVID19 related changes – as they decide whether to postpone and/or go virtual.



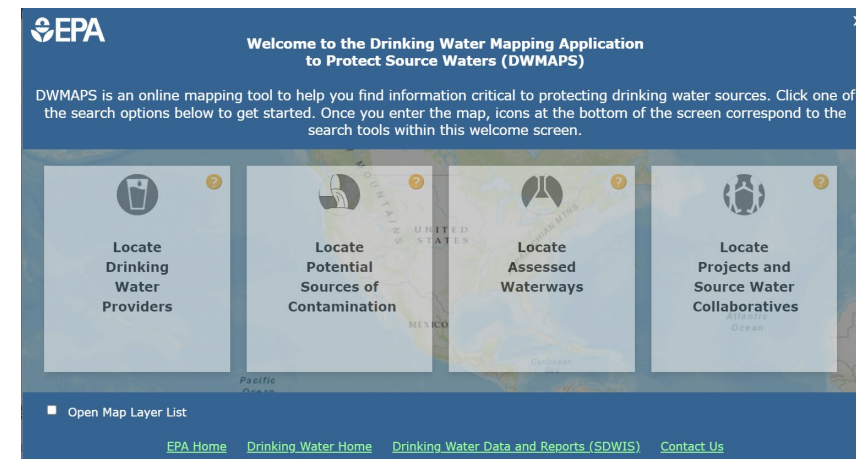
Drinking Water Mapping Application to Protect Source Water

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.



Drinking Water Mapping Application to Protect Source Water

How can you use DWMAPS?

- Identify watershed areas significant to source water protection
- Learn which public water systems serve your community
- Identify & characterize potential contaminant sources (point & non-point) to support vulnerability assessments, protection planning, & emergency planning
- Prioritize protection strategies
- Promote program integration (CWA-SDWA)
- Build strong partnerships and support program implementation



Funding Integration Tool for Source Water

- 🌿 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



QUESTIONS?

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RESOURCES

- **EPA Source Water Protection page:**
<https://www.epa.gov/sourcewaterprotection>
- **DWMAPS:** <https://geopub.Epa.Gov/dwwidgetapp/#>
- **EPA Funding Integration Tool for Source Water (FITS):**
<https://www.epa.gov/sourcewaterprotection/fits>
- **Source Water Collaborative:**
<https://www.sourcewatercollaborative.org/>