

Ohio's Source Water Protection Program



Voluntary Action Program CP Annual Training

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Environmental
Protection Agency

Presentation Outline



- What is the Source Water Protection Program?
- What do all of the terms we use mean?
- What data do we have? And do you access it?

Ohio's Source Water Protection Program



- Program Goal – Protect sources of drinking water from contamination
 - Includes streams, lakes and aquifers
- Covers all public water systems in Ohio
 - Over 5,000 systems
- Also know as “Wellhead Protection” and “Drinking Water Source Protection”

Where did this program come from?



- 1986 Safe Drinking Water Act Amendments
 - Established the Wellhead Protection Program
 - Focus - Community Water Systems using ground water

- 1996 Safe Drinking Water Act Amendments
 - Extended to include surface water systems
 - Extended to include all public water systems
 - Renamed "Source Water Protection"

Program Components



- **Assessment**
 - Delineate the protection area
 - Identifying the potential contaminant sources
 - Determining the susceptibility of the source water to contamination
- **Protection Planning**
 - State: Coordination efforts with environmental programs
 - Locally: Develop and implement a local drinking water source protection plan

What do all of the terms we use mean?



- What is a Public Water System?
 - Water for human consumption
 - Meet one of the following:
 - at least fifteen service connections
 - regularly serves an average of at least 25 individuals daily at least 60 days out of the year
- See Ohio Administrative Code 3745-81-01

Not so fast!



- Coming Spring 2013
 - Revisions will clarify the definition of a public water system
 -
 - Will set default populations, such as per service connection or dwelling for communities and other for non-communities.

Types of Public Water Systems



- Community water system
 - year-round residents
- Non-transient, non-community water system
 - not a community water system
 - regularly serves the same persons over six months per year
- Transient non-community water system
 - does not regularly serve the same persons over six months of the year.

Terms for Ground Water Sources

Drinking Water Source Protection Area

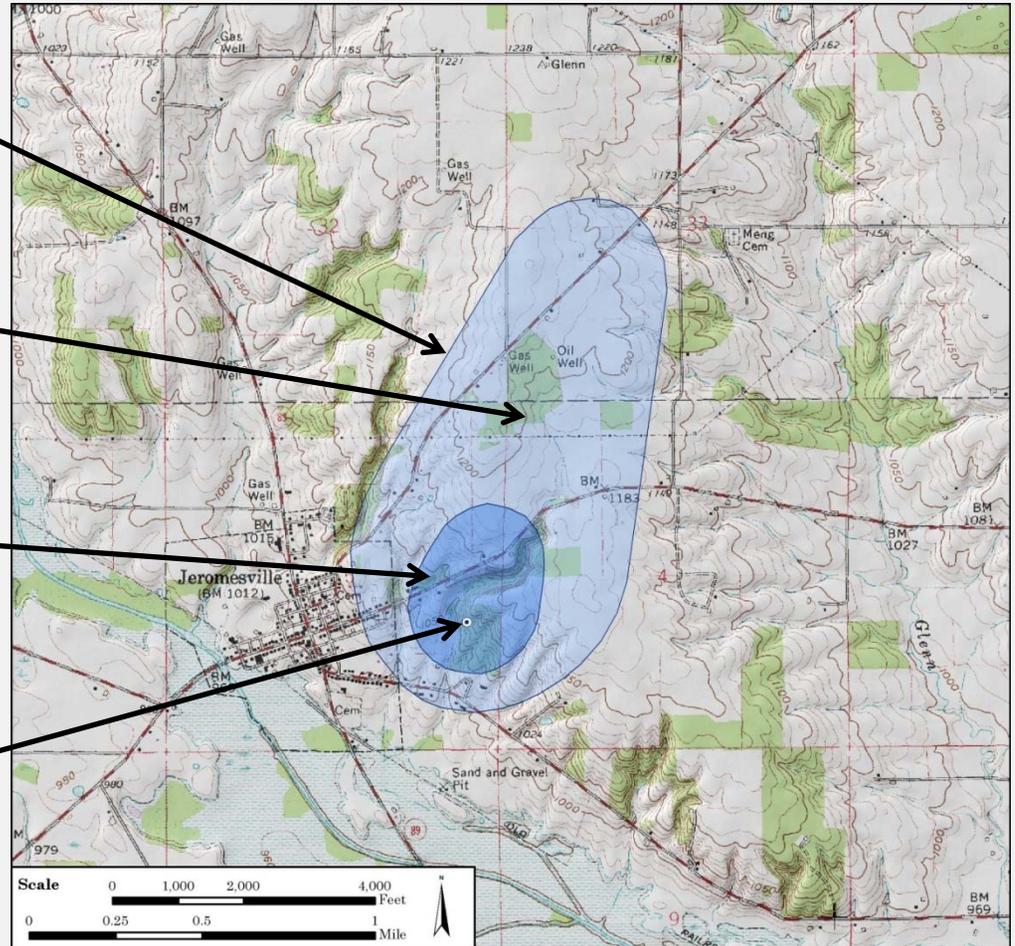
- 5-year time-of-travel

Outer Management Area

Inner Management Area

- 1-year time-of-travel

Well



Terms for Surface Water Sources



- “Inland” Surface Waters
 - Emergency Management Zone, Corridor Management Zone
- Lake Erie Intakes
 - Critical Area Zone, Potential Influence Zone
- Ohio River Systems
 - Zone of Critical Concern, Zone of High Concern

So what do we have that you can use?



- Drinking Water Source Assessment reports
- Locations of public water system wells and intakes
- Location and extent all active protection areas

How do you access it?



- Just ask!
- There are two ways:
 - Through Secure Webpage
 - Request Technical Assistance

Secure Webpage

- Created to address water system security concerns
- Registration required



Source Water Assessment and Protection Program

Secure Web Access Registration

Because of the sensitive nature of public water system locations, Ohio EPA Division of Drinking and Ground Waters has developed a secure Web site.

Please fill out all information on the form and submit to Ohio EPA, either by fax (614-644-2909) or to our mailing address on the [main SWAP page](#). *Failure to complete all fields may result in your approval being delayed.* We will try to review all submittals within 24 hours of receipt, but approval may take up to a week. Once approved, you will be notified by email. Please email whp@epa.state.oh.us if you have any questions about your submittal or accessing the site.

Please complete the following information:

First Name: _____ Last Name: _____
Title: _____
Agency/Company: _____
Address (line 1): _____
Address (line 2): _____
City: _____ State: _____ Zip: _____
Phone: _____ Fax: _____
E-mail address (*this will be your user ID*): _____
Requested password: _____
(Your password must be at least 8 characters long and is case sensitive.)

Main reasons for accessing this site:	Do you represent:
<input type="checkbox"/> BUSTR Site Investigations	<input type="checkbox"/> Concerned citizen
<input type="checkbox"/> ODOT Investigations	<input type="checkbox"/> Consulting firm
<input type="checkbox"/> Voluntary Action/Brownfields Investigations	<input type="checkbox"/> Environmental group
<input type="checkbox"/> HazMat/Homeland Security	<input type="checkbox"/> Local government
<input type="checkbox"/> Other Environmental Investigations	<input type="checkbox"/> State government
<input type="checkbox"/> Curiosity	<input type="checkbox"/> Federal government
<input type="checkbox"/> Other _____	<input type="checkbox"/> Regulated community
	<input type="checkbox"/> School/University
	<input type="checkbox"/> Other _____



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Secure Webpage



- Have access to:
 - Assessment reports
 - Large-scale county maps
 - GIS shape files

Drinking Water Source Assessments - Windows Internet Explorer

https://swap.epa.state.oh.us/swap_assessments.html

Certificate Error

Bing

File Edit View Favorites Tools Help

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Division of Drinking and Grou... Drinking Water Source A...

Page Safety Tools

Ohio EPA Division of Drinking and Ground Waters
50 West Town Street, Suite 700 Columbus, OH 43215 (614) 644-2752

Protecting Ohio's Drinking Water Sources

Drinking Water Source Assessments

PUBLIC WATER SYSTEM INFORMATION

- Types of Public Water Systems
- Public Water System Details and Contacts (**this may be slow to open**) as of June 10, 2009
- Division of Drinking and Ground Waters Emergency Contacts and 24 hr Hotline

GIS MAP LAYERS

State-wide GIS data layers of the Public Water System wells and intakes, and Drinking Water Source Protection Areas for both ground water and surface water systems are now available to download. These layers were produced on **August 6, 2012** and are only accurate as of that date. Because delineation of source water protection areas are ongoing and because not all of the public water system wells have been correctly located, there may be wells that do not have protection areas and protection areas that do not have wells. If you have any questions about the data or about its accuracy, please send an email to whp@epa.state.oh.us.

- Public Water System Wells (Zip File)
- Drinking Water Source Protection Areas - Ground Water Systems (Zip File)
- Drinking Water Source Protection Areas and Intakes - Surface Water Systems (Zip File)

SURFACE WATER MAP

- State-Wide Map of Drinking Water Source Assessment Areas for Public Water Systems using Surface Water (PDF, ~4 MB), produced on 12/29/2010.

To view a drinking water source water assessment report and the large-scale county map showing the locations of the public water system wells/intakes and drinking water source protection areas, select the county the system is located in from either the pull down list or from the statewide map located below.

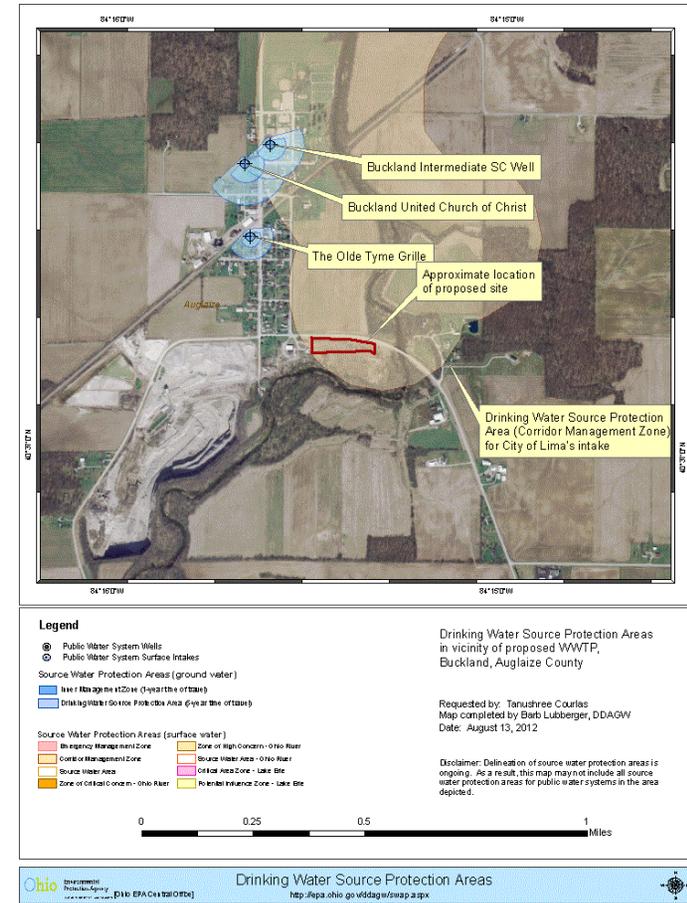
Select County



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Technical Assistance Maps

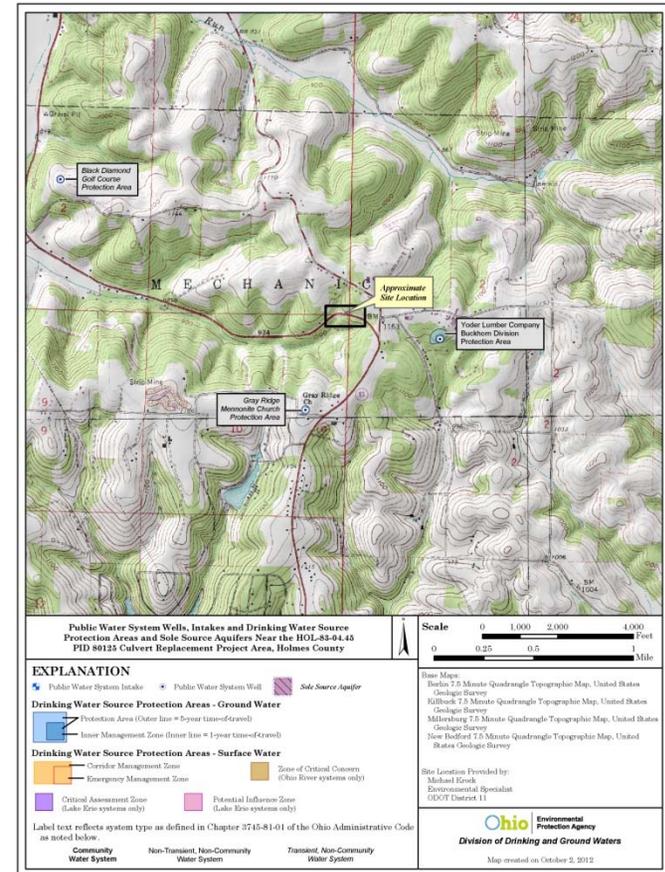
- To make a request either:
 - Fax: (614) 644-2909
 - E-mail: whp@epa.state.oh.us
- Include a map of the location for best results



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Technical Assistance Maps

- Tracked to address water system security concerns
- Please include:
 - Contact information
 - Reason for request



How to contact us:



- **Phone: (614) 644-2752**
- **Fax: (614) 644-2909**
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Questions

