Drink Up: Land Conservation and Protecting Drinking Water
Public Health

Provide people access to parks and trail networks within walking and biking distance of their homes and communities. Provide sufficient opportunities along waterways to ensure nearly all residents are within 30 minutes of reaching a public access site at water’s edge.

Availability of Public Access Sites at Water’s Edge

- Average Population Served
  - 0 - 3,000
  - 3,001 - 6,000
  - 6,001 - 15,000
  - 15,001 - 25,000
  - >25,000

- Areas within 30 minutes drive time of Public Access Sites
  - Access Sites
  - Access Sites with boating
  - Access Sites with boating, with fishing
  - Access sites with other boating activities
The CCP mapping team has partnered with USGS to identify datasets, studies, and methodologies to conserve land that directly impacts the quality of drinking water. These resources are ones that are both
- Publicly accessible
- Related to groundwater vulnerability

As this work continues, we will be able to utilize the expertise of USGS scientists to find priority attributes for mapping that aren’t as immediately accessible publicly.
U.S. EPA Drinking Water Maps Tool

- **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.
- Watershed protection groups and source water collaboratives can also use DWMAPS to locate drinking water providers, potential sources of contamination, polluted waterways as well as information on protection projects and Source Water Collaborative initiatives in their area.
Welcome to the Drinking Water Mapping Application to Protect Source Waters (DWMAPS)

DWMAPS is an online mapping tool to help you find information critical to protecting drinking water sources. Click one of the search options below to get started. Once you enter the map, icons at the bottom of the screen correspond to the search tools within this welcome screen.

- Locate Drinking Water Providers
- Locate Potential Sources of Contamination
- Locate Polluted Waterways
- Locate Projects and Source Water Collaboratives

Open Map Layer List

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**DWMAPS** includes several search tools that, when used together with state and locally available mapping tools and data, can help users:

- Identify potential sources of contamination;
- find data to support source water assessments and plans to manage potential sources of contamination;
- evaluate accidental spills and releases, identifying where emergency response resources for accidental releases must be readily available;
- promote integration of drinking water protection activities with other environmental programs at the EPA, state, and local levels;
- identify source water protection partnerships and watershed projects
Water Protection Areas
NHDPlus version 2.1 catchments located 24-hour time of travel upstream of water source facility.

Georeferenced surface water source facilities (i.e., active intakes, reservoirs, infiltration galleries, and springs).
Percent HUC12 in Source Water Protection Area (surface)

This map service/dataset provides the HUC12 percent area located in a surface water Source Protection Area (SPA) for each HUC12. Surface water SPA delineations are composed of NHDPlus version 2.1 catchments located 24-hour time of travel upstream of all georeferenced surface water source facilities (i.e., active intakes, reservoirs, infiltration galleries, and springs). Percent SPA area was calculated by dividing the HUC12 area located within a SPA by the total area of the HUC12. Drinking water system surface water source facility location data were obtained from the Safe Drinking Water Information System/Federal Version (SDWIS/FED). Exact locations of drinking water facilities, SPAs, and Public Water System IDs are not provided. This map layer is intended to show areas of interest for the protection of surface water sources of drinking water.
Percent HUC12 in Wellhead Protection Area

This map service provides the HUC12 percent area in a groundwater Source Protection Area (SPA) for each HUC12. Groundwater SPAs are composed of NHDPlus V 2.1 catchments that intersect groundwater source facilities (wells). Percent SPA area was calculated by dividing the HUC12 area located within a SPA by the total area of the HUC12. Exact locations of drinking water facilities, SPAs, and Public Water System IDs are not provided. This map layer is intended to show areas of interest for the protection of surface water sources of drinking water.
For more information or to help support this work further, please contact Jake Leizear at jleizear@chesapeakeconservancy.org