

EarthComm Earth's Natural Resources: Water Resources and Your Community Activity 2

This investigation will help you to:

- Surface Water
- Groundwater
- Desalination
- Water Conservation
- Part C: Water Supply in Your Community, to complete the investigation, each student group will need:
- To learn more about the first American reservoirs and groundwater systems, visit the following web site:

Surface Water

- "Natural Processes of Groundwater and Surface water Interaction: The Hydrologic Cycle and Interactions of Ground Water and Surface Water" - USGS Circular 1139
Site reviews the basics of the water cycle, with a focus on the movement of water between and within ground and surface water reservoirs. Includes several full color illustrations. Additional information can be obtained by clicking on "Box" links.
- Clean Water Act - EPA
This site reviews the Clean Water Act and threats to the nation's surface water reservoirs. Also includes a FAQ section with advice on finding more information.

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Groundwater

- "What is Hydrogeology?" - International Association of Hydrogeologists
This site starts with an explanation of hydrogeology as a science. Links at the bottom of the page provide information and images to review groundwater as a resources, pollution threats to groundwater, and steps that can be taken to protect groundwater supplies.
- "Ground Water Atlas of the United States" - USGS
Click on your region of the map to open a new window that will contain links to a summary of groundwater in the area and information about each of the primary aquifers in that region.

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Desalination

- "MCWD Sea Water Desalination" - Marine Coast Water District, Marina, California
Short article covers the steps of the desalination process used to assure that water is safe to drink. Click on link to view a

color graphic of the desalination process.

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Water Conservation

- "How Can I Help To Protect My Drinking Water Supply?" - EPA
This site introduces programs currently in progress to protect the nation's water supply and suggestions for communities that wish to get involved in water conservation and protection.
- "How to Conserve Water and Use It Effectively" - EPA Office of Water
This chapter from an online document (Cleaner Water Through Conservation) discusses a number of water conservation practices for residential, industrial/commercial, and agricultural users. Chapter addresses conservation issues and costs associated with dealing with these issues.
- "Citizen's Guide to Groundwater Protection" - EPA
Online guide provides information and suggestions for ways that the community can become involved in the protection of groundwater sources.

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Part C: Water Supply in Your Community, to complete the investigation, each student group will need:

- **Community water quality report**
 - EPA Office of Groundwater and Drinking Water
Click on your state to be taken to a new page that gives an overview of your state's drinking water and links to additional information. To view your water quality report, click on the "water quality report" link to view a list of reports that are available online.

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To learn more about the first American reservoirs and groundwater systems, visit the following web site:

- "Water in Colorado - A Brief History & Review of Water Resources" - The Water Information Program

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