

Watershed WebQuest

Margo Nichols
4th Grade Science
SOL 4.8



Introduction



Task



Process



Evaluation



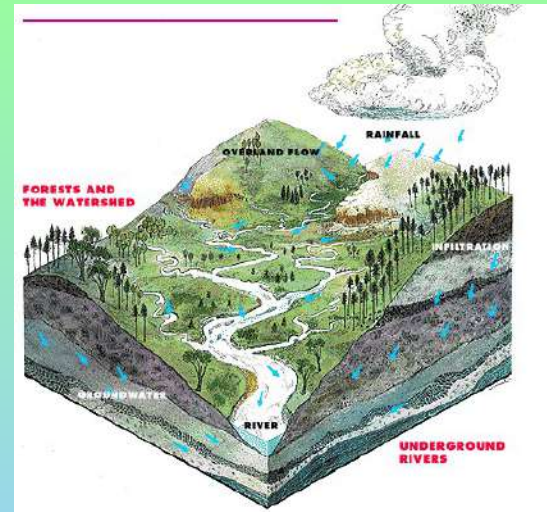
Conclusion

**We all
live
downstream.**

Introduction

As good citizens, we must understand the effect our community has on our natural resources. We must realize how important it is to protect and conserve our water and watershed. It is important that we know our watershed address.

A watershed is the area of land where all water under it or draining off it goes into a common body of water.



Captured
by
ScreenHunter

Today you will be researching YOUR watershed.

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Task

Today, as scientists, your task will be to investigate watersheds. You will each research an area of watershed concern. When your research is complete, your group will watch a short video, share your research results with each other, and complete a web that explains the statement:

"We all live downstream."

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What's next?
PROCESS

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Each member of your group should pick one of the following roles. Once you have picked your role, click on it and follow the directions for your job.

Scientist One: Conservation - "To Save, or Not To Save?"

Scientist Two: Pollution - "Something Stinks Here!"

Scientist Three: Environmental Agencies-"Help! We Need Help!"

Scientist Four: Geography-"What's My Watershed Address?"

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Scientist One: Conservation "To Save, or Not To Save?"

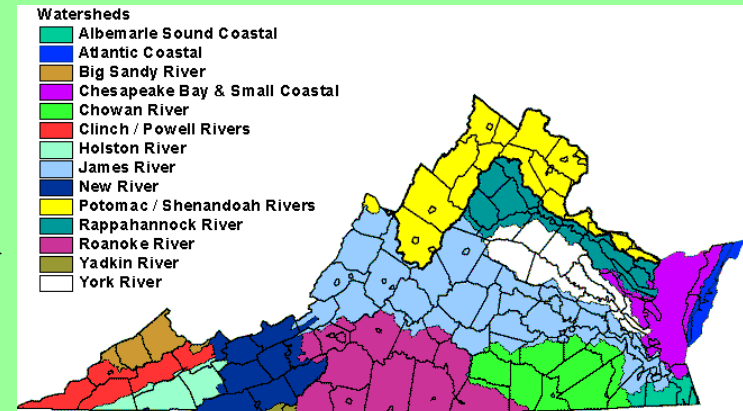
Use the websites below to help you with these activities:

- 1) Write a brief paragraph about why it is important that we not waste water.
- 2) List three ways each of us can conserve (save) water.

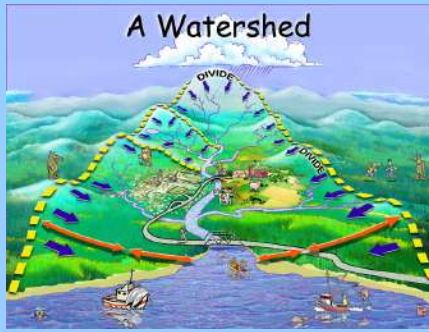
[Saving Water](#)

[Water Conservation](#)

What's next?
VIDEO



Introduction



Scientist Two: Pollution "Something Stinks Here!"

Task

Use the websites below to help you with these activities:

- 1) List four kinds of water pollution in Virginia.
- 2) Write a brief paragraph about how our water pollution in Henry County can affect the North Carolina Sounds (our watershed).

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[Pollution](#)

[Clean Virginia](#)

(Scroll down and click on "So Why Do We Care About Watersheds and Divides?")

**What's next?
VIDEO**

Introduction

Scientist Three: Agencies "Help! We Need Help!"

Task

Use the websites below to help you with these activities:

- 1) Name two agencies that help protect our water supply.
- 2) Write a new law to protect our water. Why do you think this would be an important law?

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[Environmental Protection Agency](#)

[Virginia Government](#)

**What's next?
VIDEO**

Introduction

Scientist Four: Geography

"What's My Watershed Address?"



Task

Use the websites below to help you with these activities:

- 1) How many major watersheds does Virginia have? Name our watershed and those that surround us.
- 2) What are the 4 steps to finding your watershed address? List the steps that lead to our address.

Process

[Virginia Waterways](#)

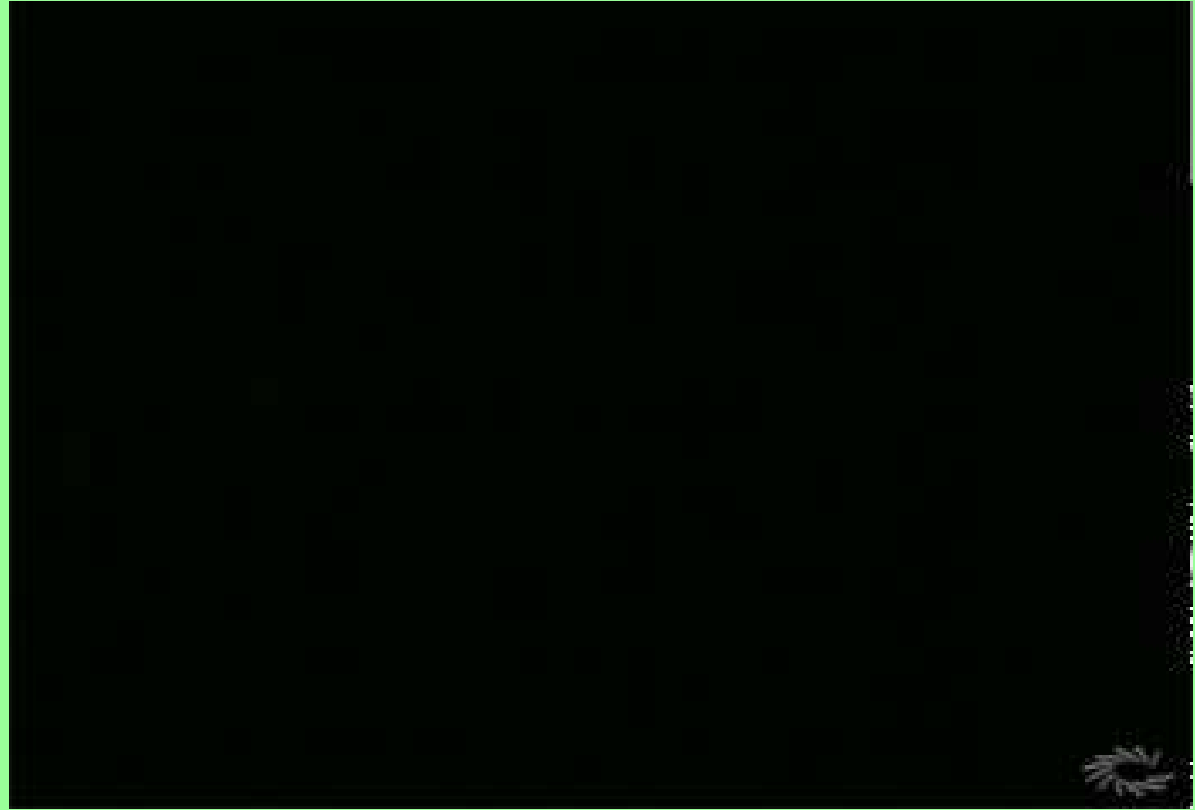
[Virginia Watersheds](#)

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**What's next?
VIDEO**

**Watch this video
before completing the web.**



Click the box above to watch the video.

Ecosystems: Watersheds, Estuaries, and Wetlands. Alan Sealls. (2004). Retrieved September 12, 2009, from Discovery Education: <http://streaming.discoveryeducation.com/>

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Click below to go to your web.

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**We All Live
Downstream**



Evaluation

CATEGORY	4	3	2	1
Quality of Information	Information clearly relates to the main topic. It includes several supporting details and/or examples.	Information clearly relates to the main topic. It provides 1-2 supporting details and/or examples.	Information clearly relates to the main topic. No details and/or examples are given.	Information has little or nothing to do with the main topic.
Organization	Information is very organized with well-constructed paragraphs and subheadings.	Information is organized with well-constructed paragraphs.	Information is organized, but paragraphs are not well-constructed.	The information appears to be disorganized. 8)
Internet Use	Successfully uses suggested internet links to find information and navigates within these sites easily without assistance.	Usually able to use suggested internet links to find information and navigates within these sites easily without assistance.	Occasionally able to use suggested internet links to find information and navigates within these sites easily without assistance.	Needs assistance or supervision to use suggested internet links and/or to navigate within these sites.

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You are now well-informed about our watershed and how you can protect it. Share this information with your family and friends in order to keep our water supply clean and healthy!

