

WATER: A Statewide Inquiry Experience 2019-2024

Wisconsin Water Snacks: Collections of Online Water Education Resources

dpi.wi.gov/science/water & siftr.org/WisconsinWater



Wisconsin Water Snacks Home Page

Project Overview

Finding a collection of relevant resources.

1. Watch or listen to the story about water. This might be in the form of a video or audio resource.
2. What actions are scientists taking to learn about these issues? About the natural environment in relation to water?
3. If available, find a data collection source that relates to your project.
4. Summarize your findings.

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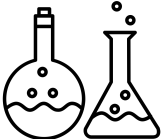
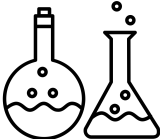




dpi.wi.gov/science/water & siftr.org/WisconsinWater

WATER: A Statewide Inquiry Experience 2019-2024

Wisconsin Water Snack: Climate change and H2 Ohhhhh!

Below is a collection of relevant resources that create a Water learning 'snack' for you.

Follow the steps below and add your ideas and responses to the questions.

 <p>Video Link</p>	 <p>Video Link</p>	 <p>Scientist's Water Research</p>	 <p>Scientist's Water Research</p>
<p>1 Watch or listen to a story about water in Wisconsin.</p>	<p>2 Watch or listen to a story about water in Wisconsin.</p>	<p>3 Scientists are learning about water in Wisconsin.</p>	<p>4 Scientists are learning about water in Wisconsin.</p>
<p>Great Lakes Shipping Climate Wisconsin</p> <p>How would you summarize the story about water to a friend?</p> 	<p>Ice Fishing</p> <p>How would you summarize the story about water to a neighbor?</p> 	<p>Simulating climate change impacts to trout in the Marengo River</p> <p>What actions are scientists taking to learn about water issues?</p> 	<p>Advancing climate science education</p> <p>What actions are scientists taking to learn about water issues?</p> 
<p>Where in Wisconsin? Milwaukee</p>	<p>Where in Wisconsin? Lake Monona</p>	<p>Where in Wisconsin? Marengo River</p>	<p>Where in Wisconsin? Rural Wisconsin communities (e.g. Butternut)</p>

Calls to Action

What can or will you do about these water issues?

How are you informing others?


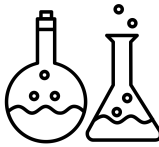
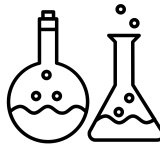



Join others and post your water actions and inquiries on siftr.org/WisconsinWater or dpi.wi.gov/science/water

WATER: A Statewide Inquiry Experience 2019-2024

Wisconsin Water Snack: Water contaminants in Madison

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 <p>Video Link</p>	 <p>Scientist's Water Research</p>	 <p>Scientist's Water Research</p>
<p>1</p> <p>Watch or listen to a story about water in Wisconsin.</p>	<p>2</p> <p>Scientists are learning about water in Wisconsin.</p>	<p>3</p> <p>Scientists are learning about water in Wisconsin.</p>
<p>Noon Wednesday: Emerging Water Contaminant Raising Alarms</p> <p>How would you summarize the story about water to a friend?</p> 	<p>Microbially-Mediated Production of Toxic Methylmercury in the Water Column of Lake Mendota</p> <p>What actions are scientists taking to learn about water issues?</p> 	<p>Leachable Phosphorus In Leaf Litter and Its Impact On Phosphorus Load In Urban Stormwater</p> <p>What actions are scientists taking to learn about water issues?</p> 
<p>Where in Wisconsin? Madison</p>	<p>Where in Wisconsin? Lake Mendota</p>	<p>Where in Wisconsin? Madison</p>

Calls to Action

What can or will you do about these water issues?

How are you informing others?


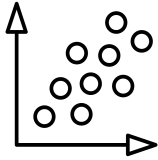
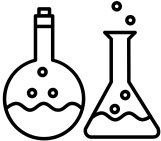
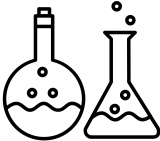




Join others and post your water actions and inquiries on siftr.org/WisconsinWater or dpi.wi.gov/science/water

WATER: A Statewide Inquiry Experience 2019-2024

Wisconsin Water Snack: Investigating Coastal Water Sources

Below is a collection of relevant resources that create a Water learning 'snack' for you.

Follow the steps below and add your ideas and responses to the questions.

 <p>Audio Link</p>	 <p>Water Data</p>	 <p>Scientist's Water Research</p>	 <p>Scientist's Water Research</p>
<p>1 Watch or listen to a story about water in Wisconsin.</p>	<p>2 Get to know WI water data sources.</p>	<p>3 Scientists are learning about water in Wisconsin.</p>	<p>4 Scientists are learning about water in Wisconsin.</p>
<p>Clean Water and More</p> <p>How would you summarize the story about water to a friend?</p> 	<p>Coastal Web Atlas for Wisconsin</p> <p>What water data is helping everyone to understand changes over time and possible causes of these changes?</p> 	<p>Ecohydrologic effectiveness of green infrastructure in coastal catchments</p> <p>What actions are scientists taking to learn about water issues?</p> 	<p>Assessment of coastal bluff erosion rate response to groundwater level fluctuations</p> <p>What actions are scientists taking to learn about water issues?</p> 
<p>Where in Wisconsin? Wisconsin coast along Lake Michigan (from Manitowoc to Door Peninsula)</p>	<p>Where in Wisconsin? Coastal counties in Wisconsin</p>	<p>Where in Wisconsin? Milwaukee</p>	<p>Where in Wisconsin? Cudahy</p>

Calls to Action

What can or will you do about these water issues?

How are you informing others?



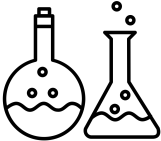
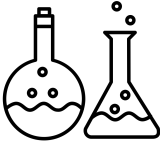




Join others and post your water actions and inquiries on siftr.org/WisconsinWater or dpi.wi.gov/science/water

WATER: A Statewide Inquiry Experience 2019-2024

Wisconsin Water Snack: Are there contaminants in our water?

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 <p>Video Link</p>	 <p>Audio Link</p>	 <p>Scientist's Water Research</p>	 <p>Scientist's Water Research</p>
<p>1 Watch or listen to a story about water in Wisconsin.</p>	<p>2 Listen to a story about water in Wisconsin.</p>	<p>3 Scientists are learning about water in Wisconsin.</p>	<p>4 Scientists are learning about water in Wisconsin.</p>
<p>Water quality How would you summarize the story about water to a friend?</p> 	<p>Researchers Complete First Phase of Southwest Wisconsin Groundwater Study How would you summarize the story about water to a neighbor?</p> 	<p>Methylmercury in St. Louis River Estuary What actions are scientists taking to learn about water issues?</p> 	<p>Legacy Phosphorous in the Green Lake Watershed What actions are scientists taking to learn about water issues?</p> 
<p>Where in Wisconsin? Madison</p>	<p>Where in Wisconsin? Grant, Iowa, and Lafayette counties</p>	<p>Where in Wisconsin? St. Louis River Estuary of Lake Superior</p>	<p>Where in Wisconsin? Green Lake</p>

Calls to Action

What can or will you do about these water issues?

How are you informing others?



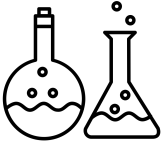
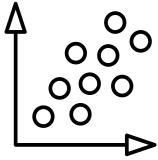




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WATER: A Statewide Inquiry Experience 2019-2024

Wisconsin Water Snack: What's in your well?

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Follow the steps below and add your ideas and responses to the questions.

 <p>Video Link</p>	 <p>Audio Link</p>	 <p>Scientist's Water Research</p>	 <p>Water Data</p>
<p>1 Watch or listen to a story about water in Wisconsin.</p>	<p>2 Listen to a story about water in Wisconsin.</p>	<p>3 Scientists are learning about water in Wisconsin.</p>	<p>4 Get to know WI water data sources.</p>
<p>Fast Facts: Well Contamination How would you summarize the story about water to a friend?</p> 	<p>Water Newsmakers How would you summarize the story about water to a neighbor?</p> 	<p>Monitoring and modeling impacts of high capacity wells on calcareous fen plant communities What actions are scientists taking to learn about water issues?</p> 	<p>Groundwater Data Center What water data is helping everyone to understand changes over time and possible causes of these changes?</p> 
<p>Where in Wisconsin? Kewaunee County</p>	<p>Where in Wisconsin? LaCrosse</p>	<p>Where in Wisconsin? Dane, Marquette, Waushara, Walworth, and Waukesha Counties</p>	<p>Where in Wisconsin? Statewide</p>

Calls to Action

What can or will you do about these water issues?

How are you informing others?







Join others and post your water actions and inquiries on siftr.org/WisconsinWater or dpi.wi.gov/science/water

WATER: A Statewide Inquiry Experience 2019-2024

Wisconsin Water Snack: Living water systems

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Follow the steps below and add your ideas and responses to the questions.

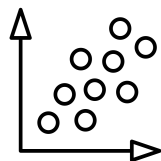
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<p>1</p> <p>Watch or listen to a story about water in Wisconsin.</p>	<p>2</p> <p>Scientists are learning about water in Wisconsin.</p>	<p>3</p> <p>Scientists are learning about water in Wisconsin.</p>
<p>How Wetlands Manage Water</p> <p>How would you summarize the story about water to a friend?</p> 	<p>The role of microbes and sunlight in the fate of 2,4-D during Eurasian watermilfoil whole-lake treatments</p> <p>What actions are scientists taking to learn about water issues?</p> 	<p>Antibody kinetics and surveillance of freshwater fish for viral hemorrhagic septicemia virus</p> <p>What actions are scientists taking to learn about water issues?</p> 
<p>Where in Wisconsin? Statewide</p>	<p>Where in Wisconsin? Upper Kaubashine Lake, Clearwater Lake, Pike Lake, Random Lake, Hartford</p>	<p>Where in Wisconsin? Statewide</p>
<p>Calls to Action</p> <p>What can or will you do about these water issues?</p> <p>How are you informing others?</p> <p>Join others and post your water actions and inquiries on siftr.org/WisconsinWater or dpi.wi.gov/science/water</p>		

WATER: A Statewide Inquiry Experience 2019-2024

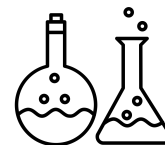
Wisconsin Water Snack: Water is underground!

Below is a collection of relevant resources that create a Water learning 'snack' for you.

Follow the steps below and add your ideas and responses to the questions.



Water Data



Scientist's Water Research

1

Get to know WI water data sources.

2

Scientists are learning about water in Wisconsin.

Groundwater Data - A view underneath Wisconsin

What water data is helping everyone to understand changes over time and possible causes of these changes?



Multi-instrument stream surveys with continuous data for better groundwater/surface water understanding in Wisconsin

What actions are scientists taking to learn about water issues?



Where in Wisconsin?
Statewide

Where in Wisconsin?
Mukwonago River, Marengo River, Allequash Creek, Little Plover River

Calls to Action

What can or will you do about these water issues?

How are you informing others?


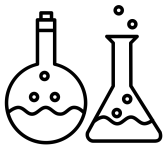
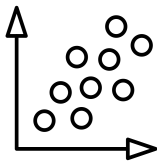



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WATER: A Statewide Inquiry Experience 2019-2024

Wisconsin Water Snack: Cold, cold water and weather dependency

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<p style="text-align: center;">1</p> Listen to a story about water in Wisconsin.	<p style="text-align: center;">2</p> Scientists are learning about water in Wisconsin.	<p style="text-align: center;">3</p> Get to know WI water data sources.
<p>What Wisconsin's Lakes Are Up To In Winter</p> <p>How would you summarize the story about water to a friend?</p> 	<p>Exploring the Effects of Snow Cover on Winter Lake Production</p> <p>What actions are scientists taking to learn about water issues?</p> 	<p>National Weather Service: Advanced Hydrologic Prediction Service</p> <p>What water data is helping everyone to understand changes over time and possible causes of these changes?</p> 
<p>Where in Wisconsin? Statewide</p>	<p>Where in Wisconsin? South Sparkling Bog and Trout Bog</p>	<p>Where in Wisconsin? Statewide</p>

Calls to Action

What can or will you do about these water issues?

How are you informing others?

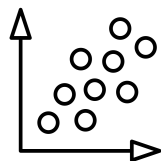
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WATER: A Statewide Inquiry Experience 2019-2024

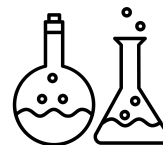
Wisconsin Water Snack: Ecosystems and watersheds now and the future

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Follow the steps below and add your ideas and responses to the questions.



[Water Data](#)



[Scientist's Water Research](#)

1

Get to know WI water data sources.

[Yahara2070 - UW Madison Water Sustainability and Climate](#)

What water data is helping everyone to understand changes over time and possible causes of these changes?



2

Scientists are learning about water in Wisconsin.

[Impacts of invasive Zebra Mussels on aquatic community structure and energy dynamics](#)

What actions are scientists taking to learn about water issues?



Where in Wisconsin?
Yahara River Watershed

Where in Wisconsin?
Mukwonago River, Marengo River, Allequash Creek, Little Plover River

Calls to Action

What can or will you do about these water issues?

How are you informing others?



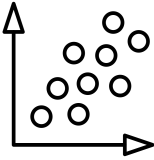



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WATER: A Statewide Inquiry Experience 2019-2024

Wisconsin Water Snack: Groundwater and flooding in WI

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<p>1 Watch or listen to a story about water in Wisconsin.</p>	<p>2 Listen to a story about water in Wisconsin.</p>	<p>3 Get to know WI water data sources.</p>
<p>How Northwestern Wisconsin Grapples With Flooding</p> <p>How would you summarize the story about water to a friend?</p> 	<p>Researchers Complete First Phase of Southwest Wisconsin Groundwater Study</p> <p>How would you summarize the story about water to a friend?</p> 	<p>DNR, Wisconsin Groundwater</p> <p>What water data is helping everyone to understand changes over time and possible causes of these changes?</p> 
<p>Where in Wisconsin? Sawyer County</p>	<p>Where in Wisconsin? Grant, Iowa, and Lafayette counties</p>	<p>Where in Wisconsin? Statewide</p>

Calls to Action

What can or will you do about these water issues?

How are you informing others?



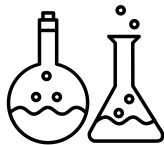



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WATER: A Statewide Inquiry Experience 2019-2024

Wisconsin Water Snack: Water, zoning, and restoration

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<p>Sea Grant Helps City Clean up its Zoning Code "Monster"</p> <p>How would you summarize the story about water to a friend?</p> 	<p>Barker's Island Improvements</p> <p>How would you summarize the story about water to a friend?</p> 	<p>Riparian Forests as a Stream Restoration Tool in the Kickapoo Watershed</p> <p>What actions are scientists taking to learn about water issues?</p> 
<p>Where in Wisconsin? Superior</p>	<p>Where in Wisconsin? Barker's Island</p>	<p>Where in Wisconsin? Kickapoo River Valley</p>

Calls to Action

What can or will you do about these water issues?

How are you informing others?


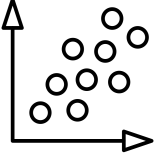
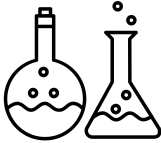



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WATER: A Statewide Inquiry Experience 2019-2024

Wisconsin Water Snack: Action against water pollution

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<p>1</p> <p>Listen to a story about water in Wisconsin.</p>	<p>2</p> <p>Get to know WI water data sources.</p>	<p>3</p> <p>Scientists are learning about water in Wisconsin.</p>
<p>Keeping Wisconsin Water Clean</p> <p>How would you summarize the story about water to a friend?</p> 	<p>Wisconsin DNR Open Data</p> <p>What water data is helping everyone to understand changes over time and possible causes of these changes?</p> 	<p>Mercury in St. Louis River Sediments</p> <p>What actions are scientists taking to learn about water issues?</p> 
<p>Where in Wisconsin? Lafayette County</p>	<p>Where in Wisconsin? Statewide</p>	<p>Where in Wisconsin? St Louis River</p>

Calls to Action

What can or will you do about these water issues?

How are you informing others?







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WATER: A Statewide Inquiry Experience 2019-2024

Wisconsin Water Snack: Wisconsin water quality improvement

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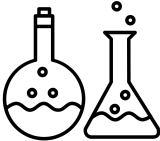
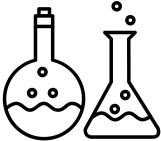
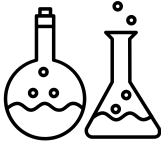


 <p>Video Link</p>	 <p>Scientist's Water Research</p>	 <p>Scientist's Water Research</p>
<p>1</p> <p>Watch or listen to a story about water in Wisconsin.</p>	<p>2</p> <p>Scientists are learning about water in Wisconsin.</p>	<p>3</p> <p>Scientists are learning about water in Wisconsin.</p>
<p>Keeping Wisconsin Water Clean</p> <p>How would you summarize the story about water to a friend?</p> 	<p>Riparian Forests as a Stream Restoration Tool in the Kickapoo Watershed</p> <p>What actions are scientists taking to learn about water issues?</p> 	<p>Legacy Phosphorus in the Green Lake Watershed</p> <p>What actions are scientists taking to learn about water issues?</p> 
<p>Where in Wisconsin? Lafayette County</p>	<p>Where in Wisconsin? Kickapoo River Valley</p>	<p>Where in Wisconsin? Green Lake</p>
<p>Calls to Action</p> <p>What can or will you do about these water issues?</p> <p>How are you informing others?</p> <p>Join others and post your water actions and inquiries on siftr.org/WisconsinWater or dpi.wi.gov/science/water</p>		

WATER: A Statewide Inquiry Experience 2019-2024

Wisconsin Water Snack: Invasive species and inter-ecosystem webs

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Follow the steps below and add your ideas and responses to the questions.

 Scientist's Water Research	 Scientist's Water Research	 Scientist's Water Research
<p style="text-align: center;">1</p> Scientists are learning about water in Wisconsin.	<p style="text-align: center;">2</p> Scientists are learning about water in Wisconsin.	<p style="text-align: center;">3</p> Scientists are learning about water in Wisconsin.
<p>Northern Highlands ecology</p> What actions are scientists taking to learn about water issues? 	<p>Invasive species - Zebra Mussels</p> What actions are scientists taking to learn about water issues? 	<p>Population recovery</p> What actions are scientists taking to learn about water issues? 
<p>Where in Wisconsin? Northern Highlands Region</p>	<p>Where in Wisconsin? Lake Mendota</p>	<p>Where in Wisconsin? Crystal Lake and Sayner-Star Lake Area</p>

Calls to Action

What can or will you do about these water issues?

How are you informing others?







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WATER: A Statewide Inquiry Experience 2019-2024

Wisconsin Water Snack: Water Quality NEED SIFTR UPDATE

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Follow the steps below and add your ideas and responses to the questions.

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<p>1</p> <p>Watch or listen to a story about water in Wisconsin.</p>	<p>2</p> <p>Scientists are learning about water in Wisconsin.</p>	<p>3</p> <p>Scientists are learning about water in Wisconsin.</p>
<p>Keeping Wisconsin Water Clean</p> <p>How would you summarize the story about water to a friend?</p> 	<p>The Miljala Channel of Rock Lake: Sediment Control and Water Quality Improvement</p> <p>What actions are scientists taking to learn about water issues?</p> 	<p>Evaluating Water Quality in the Yahara Watershed under Future Changes in Land Cover, Land Management, and Climate</p> <p>What actions are scientists taking to learn about water issues?</p> 
<p>Where in Wisconsin? Lafayette County</p>	<p>Where in Wisconsin? Lake Mills</p>	<p>Where in Wisconsin? Yahara Watershed</p>
<p>Calls to Action</p> <p>What can or will you do about these water issues?</p> <p>How are you informing others?</p> <p>Join others and post your water actions and inquiries on siftr.org/WisconsinWater or dpi.wi.gov/science/water</p>		

1. Footnote - some sort of survey with #s/location/ easy rating feedback survey



How to Post In Siftr:

- WATER Learning Activities
- Student Inquiry snapshots: notes & photos of completed projects
- Online Data: WATER in WI (well monitoring, usage, water quality,
- Stories about WATER (podcasts , videos)
- Scientist's WATER research projects



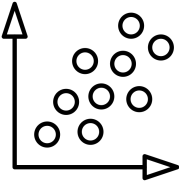
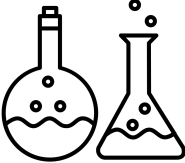
WATER Learning Activities
Student Inquiry snapshots: notes & photos of completed projects
Online Data: WATER in WI (well monitoring, usage, water quality, etc.)
Stories about WATER (podcasts , videos)
Scientist's WATER research projects

Wisconsin Water Snack: 2022 Climate change and H2 Ohhhhh!


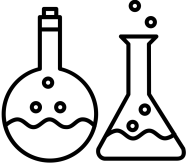
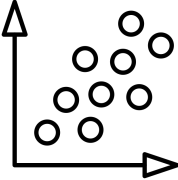


Background for this Collection

[Information here. Will be different for each collection.]

 Video Link	 Video Link			
1	2	3	4	5
<p>Great Lakes Shipping Climate Wisconsin</p>	<p>Ice Fishing</p>	<p>Simulating climate change impacts to trout in the Marengo River We are evaluating the location and magnitude of groundwater discharge to the Marengo River headwaters, and how this might change under different climate scenarios. The goal is to determine how trout habitat and viability might change under different climate conditions. With the USFS, we are measuring stream temperatures and flows. These data will be incorporated into groundwater and stream temperature models.</p>	<p>We are providing climate science equipment and training in the four protocols (air, water, soil, and life) of the NASA GLOBE program for elementary through high school teachers across schools in rural Wisconsin. We are focusing on schools across the Ice Age Trail, transecting the Curtis tension zone.</p>	
<p>Milwaukee</p>	<p>Lake Monona</p>	<p>Marengo River</p>	<p>Rural Wisconsin communities (e.g.</p>	

			Butternut)	
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	<p>1. Watch or listen to a story about water in Wisconsin. This might be in the form of a video or audio resource.</p>
	<p>2. What actions are scientists taking to learn about water issues? What are scientists investigating about the natural environment in relation to water?</p>
	<p>3. a data collection source that relates to your project.</p>

Calls to Action - Project Overview

Finding a collection of relevant resources.

2. Watch or listen to the story about water. This might be in the form of a video or audio resource.
3. What actions are scientists taking to learn about these issues? About the natural environment in relation to water?
4. If available, find a data collection source that relates to your project.
5. Summarize your findings.
 - a. What is the objective of your project? Why is it important?
 - b. Did you find any supplementary materials?
 - c. How is this applicable in the world today, or how can your findings change the community you live in?
 - d. What did you learn?
6. Call to action to do inquiry - This is an opportunity for inquiry. What can or will you do about this issue? How are you informing others? What information do you have and what would you still like to discover?
7. Post your water activity and inquiry back on the Wisconsin Water Siftr.

8. Footnote - some sort of survey with #s/location/ easy rating feedback survey

