Watershed Literacy: How-to StoryMap/QUEST

Ethan Davis[1], Dr. R.Justin Hougham[2]
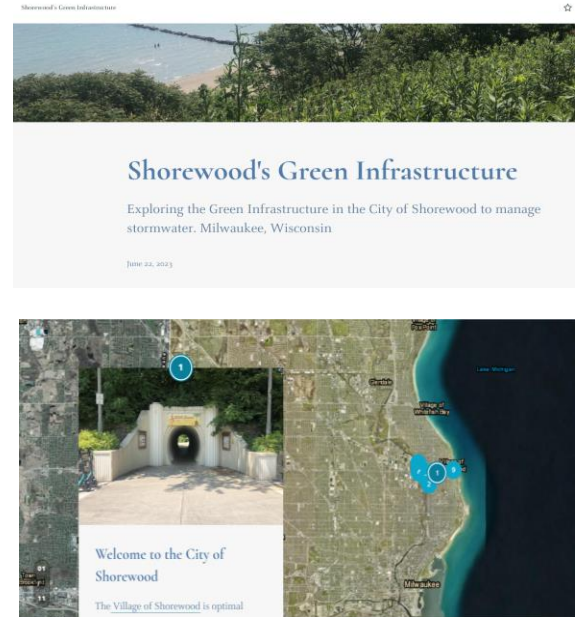University of Wisconsin-Stevens Point[1], University of Wisconsin-Madison[2]
edavi311@uwsp.edu[1] · justin.hougham@wisc.edu[2]
https://fyi.extension.wisc.edu/environmentaleducation

Extension
UNIVERSITY OF WISCONSIN-MADISON

StoryMap Quests:
Applied Interactive Guided Tours
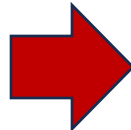
A Walkthrough of a StoryMap Quest

Story maps are a location-based tour that you can follow on a website. As you scroll through the story map you are shown points on a map that tie the information to a location. Our emphasis is on water issues in the US with a particular focus on the City of Milwaukee. After each panel of text there are questions that will reward you with clues. These questions are hosted as surveys in Qualtrics. They serve the dual purpose of checking for user understanding and collecting engagement data on the story map. These story maps and quests are a great way to have access to place-based tours no matter where you are and can be accessed by many audiences.

Shorewood's Green Infrastructure

Exploring the Green Infrastructure in the City of Shorewood to manage stormwater. Milwaukee, Wisconsin

June 22, 2023

Welcome to the City of Shorewood

The Village of Shorewood is optimal
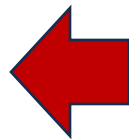
WISCONSIN
UNIVERSITY OF WISCONSIN-MADISON

Which of the following is a benefit of using porous pavement in this location?

○ Reducing the chances of flooding to happen in the parking lot
○ Decreasing the amount of impervious cover
○ Porous pavement does all of these
○ Creating a drain to redirect stormwater to plant life or a stormwater system

WISCONSIN
UNIVERSITY OF WISCONSIN-MADISON

You answered Correct! Your first clue is: (BU)
Your progress: BU_____

(Pervious Pavement)

The beginning of the green infrastructure walk starts at the Hubbard park parking lot! Porous pavement can be observed the moment you step foot into the lot. Using an interlocking system, bricks were put into place with small spaces in between to allow for **stormwater run off to still infiltrate the surface**. A 6 inch pea gravel layer followed by a 4 inch coarse aggregate layer is implemented to finely filtrate the run off seeping into the pavement. Then a 12 inch gravel layer allows for even more **filtration** of the water allowing for enough pore space for the water to still **infiltrate the soil layer**.

A question waits at the end of each section of text. As you correctly answer these questions you are awarded with clues leading to the quest word. The more you learn, the closer you are to completing your quest!

Scan here to see a StoryMap about our cohort's projects!

Watershed Literacy: How-to StoryMap/QUEST

Ethan Davis[1], Dr. R.Justin Hougham[2]

University of Wisconsin-Stevens Point[1], University of Wisconsin-Madison[2]

edavi311@uwsp.edu[1] · justin.hougham@wisc.edu[2]

https://fyi.extension.wisc.edu/environmentaleducation

When you've answered each question correctly, you'll have all of the letters of the final clue word. Submit that final clue word to be awarded a certificate of completion. Engaging the user in these interactions allows us to track completion, monitor what understandings are being passed on and give the user a chance to connect more deeply than by passively reading a website.

What type of native plant is known for being Shorewood's official native plant?

Congratulations!
You have completed the Shorewood Water Walk Quest: Green Infrastucture

Certified Quester

Butterfly Weed: *Asclepias Tuberosa*

Many organizations have loaned their expertise on this project. We'd like to express gratitude for the participation of the following partners:
-Sea Grant   -University of Wisconsin Extension   -Village of Shorewood
-University of South Carolina Baruch Marine Lab
-University of Wisconsin Geology Department
Without these partners these story maps and quests would not be what they are.

Tide Dynamics in Estuaries
A day in the field exploring the chemical and physical influences of an estuary

Discoveries in the Virtual Field

Bluff Erosion in Ozaukee County
A tour of bluff erosion in Ozaukee County, Wisconsin

Green Tech Station
A station dedicated towards the outreach and research of green infrastructure practices for the City of Milwaukee, Wisconsin.

Scan here to see a StoryMap about our cohort's projects this summer!