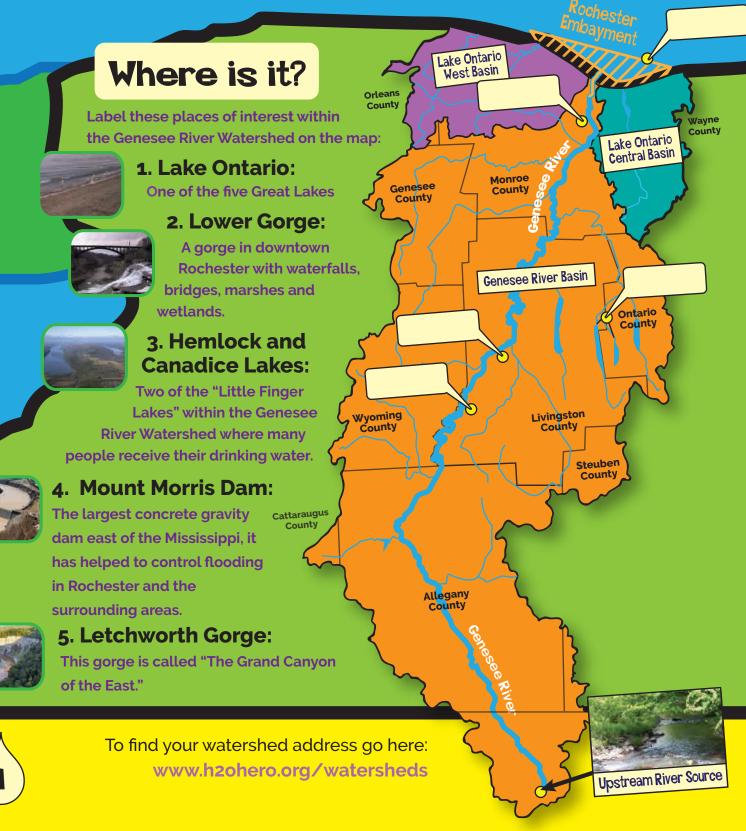




To the people of the Haudenosaunee Confederacy, Genesee means "beautiful valley". The Genesee River watershed spans this beautiful valley. If you live in Monroe County, you live in the Genesee River watershed or Lake Ontario watershed.



Understanding the Cenesce River Watershed

What Does it Mean?

Rochester Embayment:

The broad bay at the mouth of the Genesee River.

Watershed:

The area of land that drains to a particular body of water, funneling water from a large area.

Tributary:

Smaller rivers or streams that flow into the main river.

Gorge:

A narrow valley between hills or mountains, usually with water running through it.

Wetland:

An area with wet ground that is home to many different plants and animals. It acts as a big sponge that helps to clean and store water in the watershed.

Habitat:

The natural environment for a plant or animal.

The Genesee River and its tributaries make up about 2,373 square miles of land within New York State.

Our watershed includes many amazing features. Can you find some of them on the map?

Right here in Rochester you can see the Lower Gorge of the Genesee River and waterfalls. You can also go for a walk, ride, or paddle along the Lake Ontario shoreline.

New York Pennsylvania

what is ter? Stornwater?

Stormwater is rainwater or melted snow that runs off streets, lawns, and other sites. It is important because it refills our lakes, streams, and wetlands and recharges the groundwater. But as the water flows over land, it picks up pollution (such as bits of plastic, pet waste, and chemicals from the landscape), and carries it to streams, rivers and lakes where it can cause water quality problems.

3

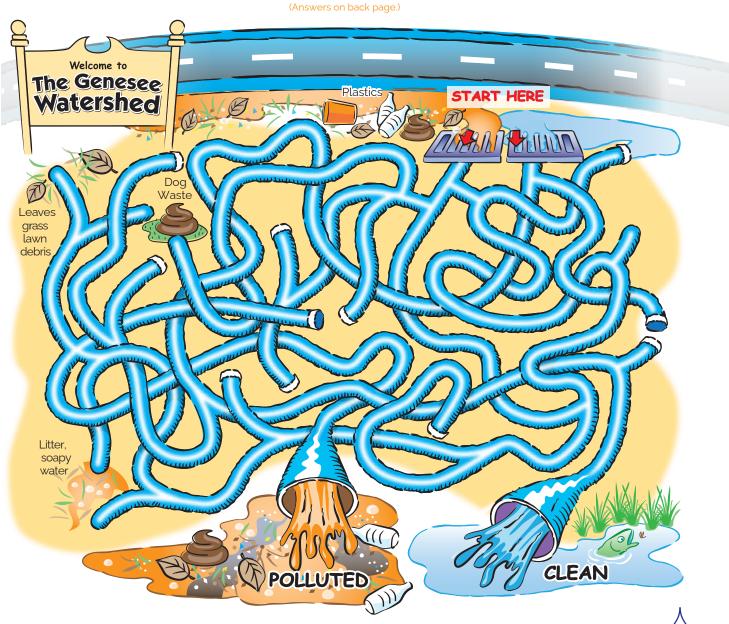
Outflow to stream, river or lake without treatment

```
Storm Drain and Storm Sewer System
```

Storm Drain



Find your way to the end of each maze and see how the water that enters our storm drains comes out into our rivers and streams.



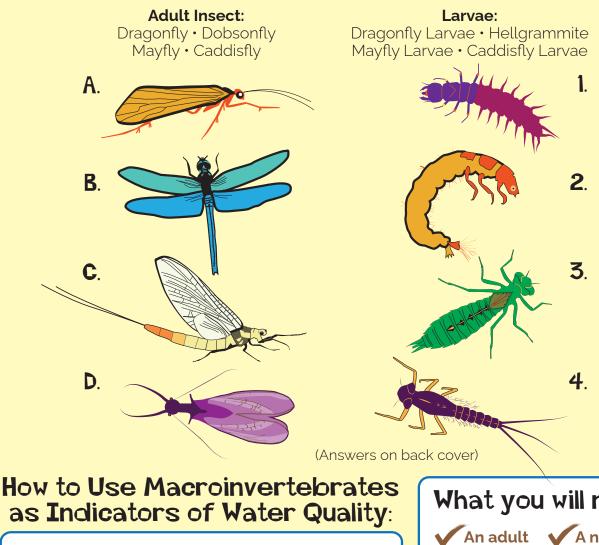


Learn About Your Water Quality!

You can learn about the water quality of a stream, lake or pond near you by looking for aquatic invertebrates - small animals that live in the water and do not have a backbone. These animals can be insects, mollusks, crustaceans or worms that are an important part of our ecosystem and serve as food for larger animals.

Identify and Match

Match the **adult insect** to its **larvae** and identify the following:



Good

Sowbug

Water Penny

Hellgrammite

Dragonfly

• Damselfly

What to do:

Hold a net flat on the stream bottom facing upstream to collect macroinvertebrates. You may also pick up rocks, hold them above the net opening and rub the rocks to detach any clinging macroinvertebrates. Transfer your macroinvertebrates into a pail with an inch of water in it to begin identifying what invertebrates you have found.

Excellent

Water Quality:

Mayfly
Caddisfly

Stonefly •Fingernail

Clam



- Cranefly
 - Striders • Water
 - Boatmen
- 6

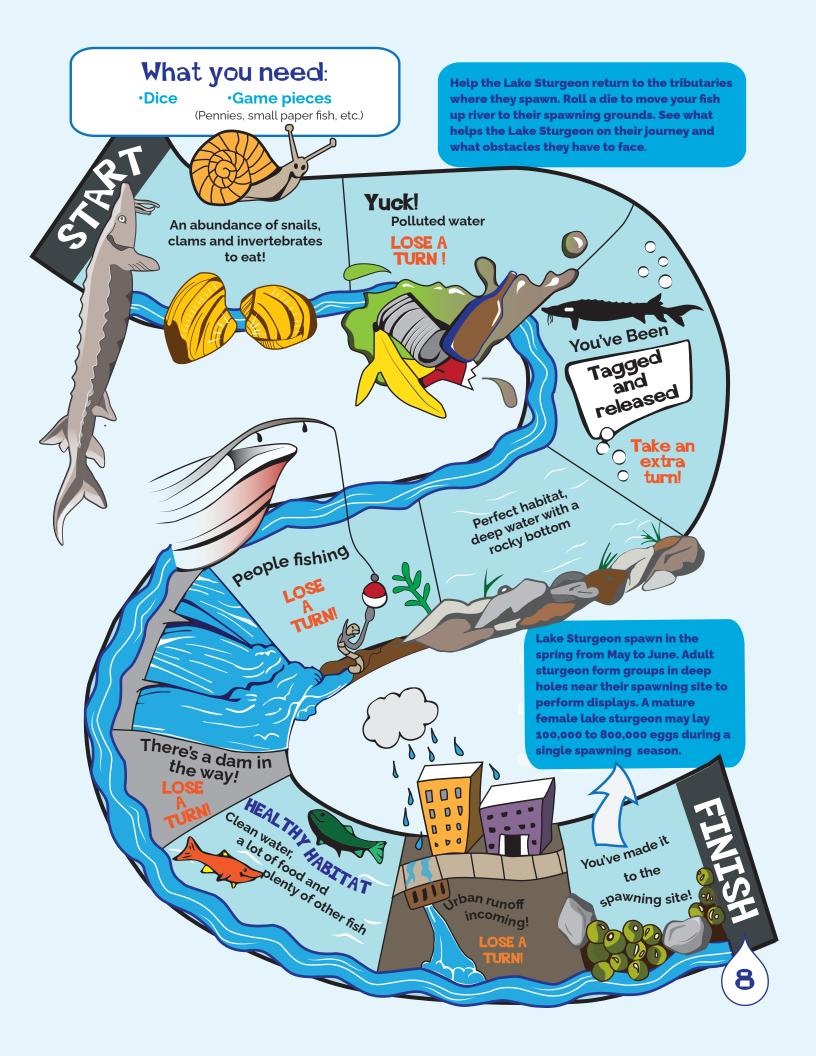
The New York River Otter Project

The river otter is a fun animal to look for in the Genesee River Watershed. River otters need water so they live in rivers, lakes, ponds, streams, marshes, and wetlands. River otters eat many different things, including fish, amphibians, crustaceans, and aquatic invertebrates. In the early 1900s, the river otter populations declined, because of hunting and water quality problems. In 1990, the New York River Otter Project helped river otters return to Western New York.

The Return of the Lake Sturgeon

 \bigcirc

Lake sturgeon are one of New York's largest freshwater fish. Lake sturgeon can live long lives of up to 100 years. In the past, humans made it difficult for this fish to survive, so their population in the Genesee River Watershed greatly decreased. Since 2003, scientists have been working hard to reintroduce Lake sturgeon into the Genesee River. Now, they are thriving and their population is increasing in the Genesee River and Lake Ontario.



Food Chains

The many plants and animals of the Genesee River Watershed form food chains, where organisms rely on each other for food. See if you can fill in some of the food chains for the Genesee River Watershed:



Here are a few things you can do to help reduce pollution in your watershed.



Drain!



Get Involved





Storm Drain Marking Remind your family, friends, & neighbors to never dump anything into the storm drain.



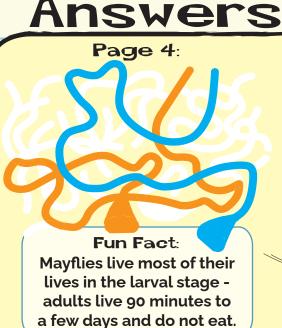
Watershed Cleanups

Volunteer to help keep our water clean!



DIY PROJECT: Make a Rain Garden!

Rain Gardens absorb stormwater. To find out how to make one visit: www.h2ohero.org/diy-projects



For more ways to get involved, visit: www.H2OHero.org

Page 6: