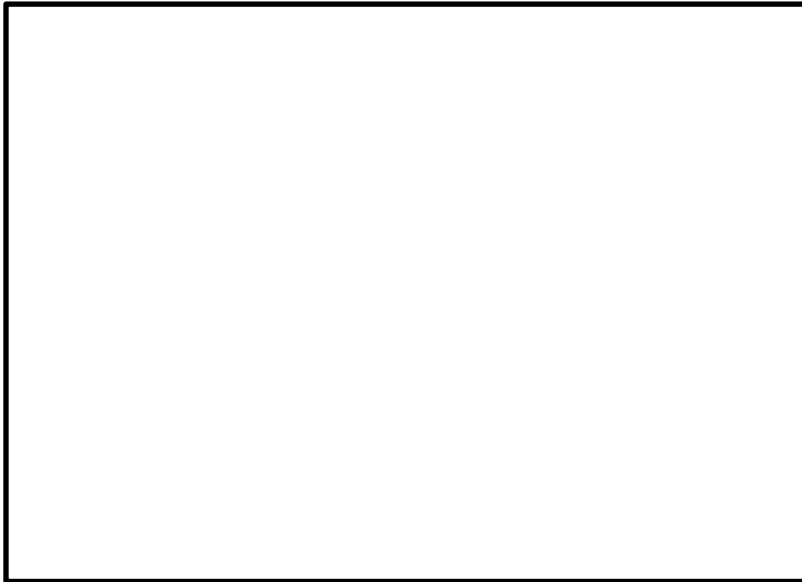


Reflection

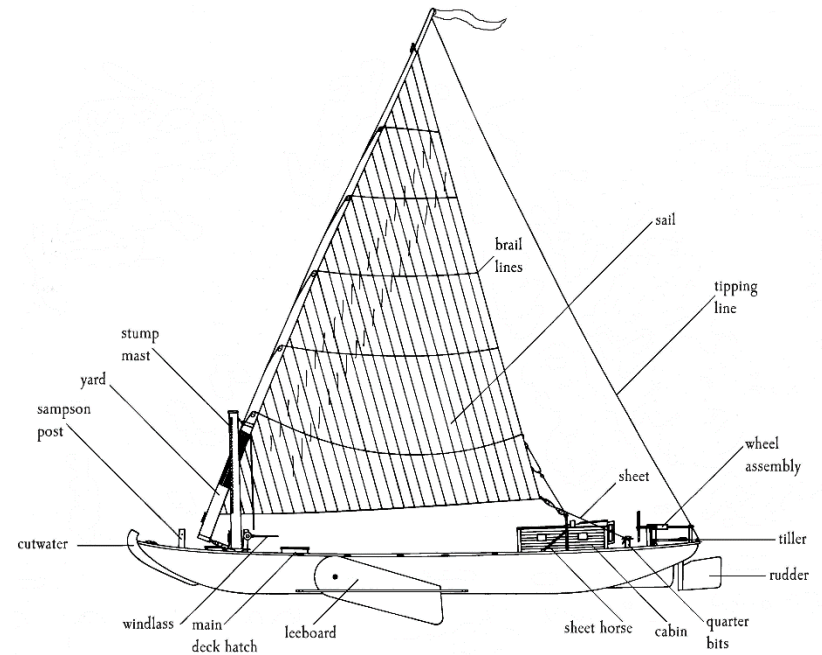
Draw something you remember from your sail on the Gundalow. In the box below and use the lines to describe your drawing and/or write a poem.



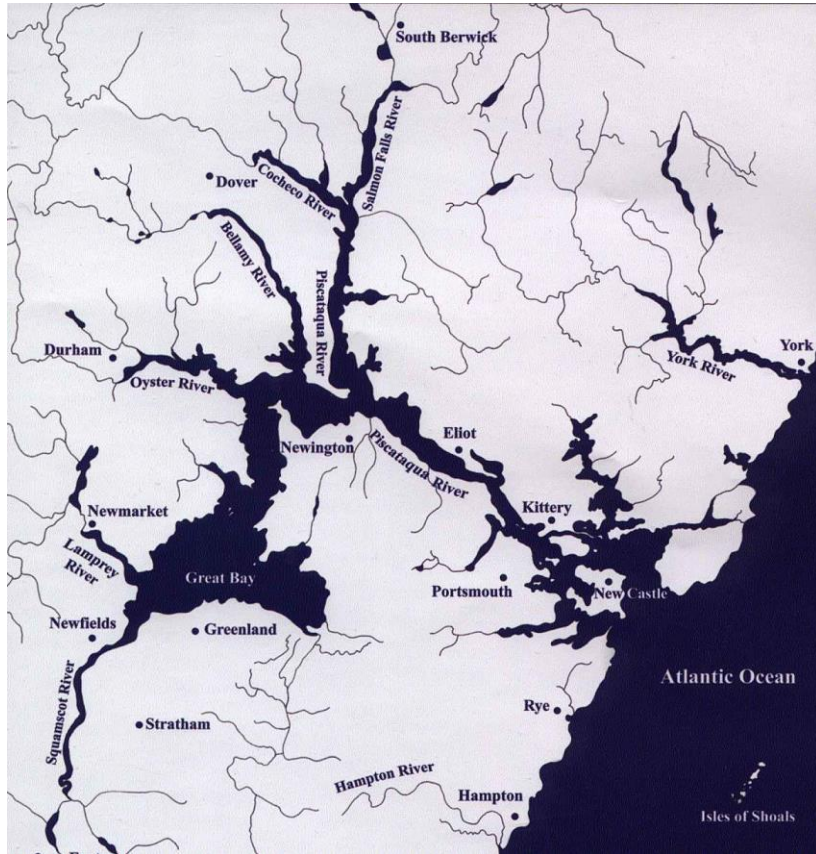
Logbook

Property of _____

In the Year 20__



Map of the Piscataqua Region



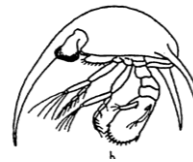
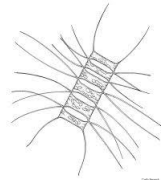
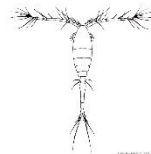
1. If you live in the Piscataqua Region, find where you live and make a star. If you don't live in the Piscataqua Region, draw an arrow in the direction you live
2. Make a dot where you will meet the Gundalow
3. How many major rivers flow into the Piscataqua River?

Plankton

Plankton are generally microscopic animals and plants that live in our waters. Plankton are drifters which means that can't swim against the current and have to 'go with the flow.'

Animal plankton are called zooplankton and plant plankton are called phytoplankton. Some plankton spend their whole life as plankton while some plankton called meroplankton start their life as plankton and grow into fish, lobsters, crabs and other marine creatures.

Look carefully at the plankton below and try to label them as phytoplankton or zooplankton. Which one do you think is a meroplankton?



Human Impact on Our Rivers

List 3 ways that humans have impacted our rivers

1. _____

2. _____

3. _____

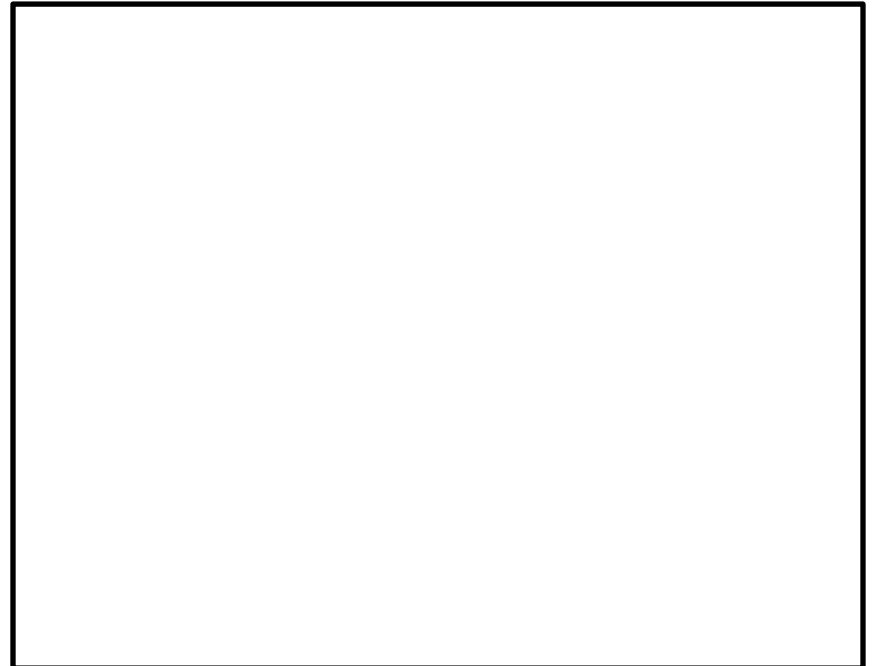
There are many things we can do to help take care of our waters. Describe 1 way you be a steward of the rivers.

History of the Gundalow

A gundalow is a shallow drafted type of cargo barge, once common in the Gulf of Maine's rivers and estuaries. The Piscataqua gundalow first appearing in the mid 1600s and was poled or rowed with long sweeps (oars). From the 1700s into the 1900s gundalows changed into fully decked flat-bottomed cargo carriers with a cabin and lateen sail that could be lowered to "shoot" under bridges.

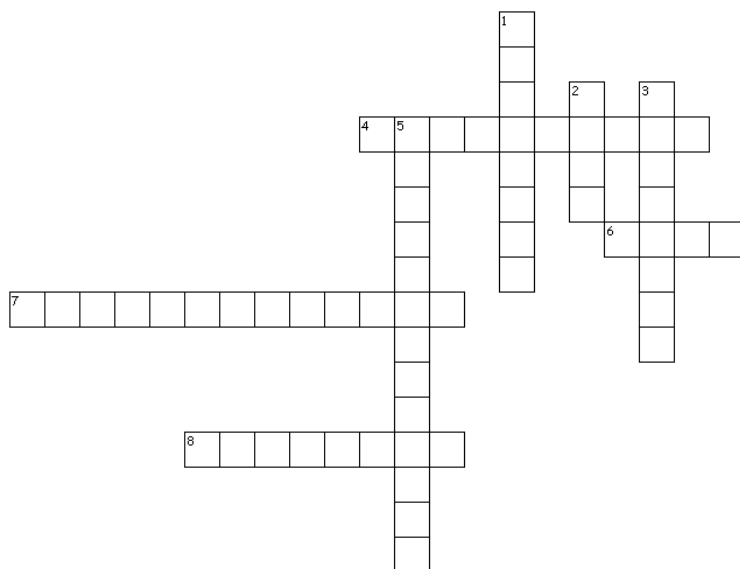
Gundalow's carried cargo (bricks, hay, wood, food, cotton, etc) up and down the rivers with the tides. The flat bottoms enabled gundalows to go up shallow rivers where bigger boats couldn't go.

Draw your own picture of a gundalow carrying a cargo.



Celebrating our Rivers Crossword

Using the information in this logbook solve the puzzle below



Across

4. The river that connects Great Bay with the Atlantic Ocean
6. The large white canvas that a boat uses to sail
7. animal plankton
8. Animals and plants that drift in the water

Down

1. The largest estuary in NH
2. The tall pole that holds up the sail
3. A flat bottomed sailboat used to move cargo
5. The islands 7 miles offshore in the Atlantic Ocean

Observations

Sailors always need to know what the weather and water are doing around them. They use forecasts and observations to help plan each trip.

Record as much information as you can for the day of your Gundalow trip either using forecasts before your trip, or observations while you are sailing.

General Weather: _____

Temperature: _____

Wind: _____

Time of High Tide: _____

Will the tide be going out or coming in while you are sailing?
