



Module 2, Investigation 3: Log 1

Images of water bodies

Your teacher will show you some NASA images of water bodies. Look at the water and the land surrounding it. Use an atlas or wall map to identify each water body.

Here are the directions:

1. Look at the water body and write down what type it may be. Be sure to match the number of the image with the number on your worksheet.
2. Write a definition for each water body after looking carefully at the image. Definitions are at the bottom of this paper.
3. Write an interesting observation that you made while looking at the image.

| Image Shows a/an... | Definition of Water Body | Interesting Observation about the Image |
|------------------------|--------------------------|--|
| 1. | | |
| 2. | | |
| 3. | | |
| 4. | | |
| 5. | | |
| 6. | | |

bay: a body of water that is partly enclosed by land, smaller than a gulf

gulf: arm of the ocean that reaches into land

lake: a body of fresh water, surrounded by land

ocean: a vast body of salt water that separates or surrounds continents

sea: a smaller division of the ocean, partially enclosed by land (or sometimes a very large lake)

river: a long body of water that flows downhill in a natural channel



Module 2, Investigation 3: Log 2

Water bodies

You are scientists who will help NASA to identify water bodies that will be photographed from the Space Shuttle every year in order to monitor how they change. You will work in teams, and your teacher will assign each team a type of water body. Use an atlas to select five examples of your water body for NASA to study. Work together as a team to make your selections.

Your group's water body is a/an _____

Define your water body. _____

| Names of the Water Bodies We Selected | Location (Continent or Country) |
|---------------------------------------|---------------------------------|
| 1. | |
| 2. | |
| 3. | |
| 4. | |
| 5. | |

What kinds of changes might show up in the NASA images of your water bodies if rainfall decreases over the next several years?

How would these water bodies be affected if rainfall increases?



Module 2, Investigation 3: Log 3

Looking at the world's water

Directions:

1. Look carefully at your part of the map.
2. Answer the questions below. Use an atlas to identify the water bodies.
3. Plan to report your findings to the class.

Latitudes of our section: from _____ to _____ degrees.

Hemisphere of our section: (north or south) _____

Names of important water bodies: _____

Circle the most accurate: 1. more water than land 2. more land than water 3. about the same

Amazing discoveries: _____



Module 2, Investigation 3: Log 4

Comparing our state with _____

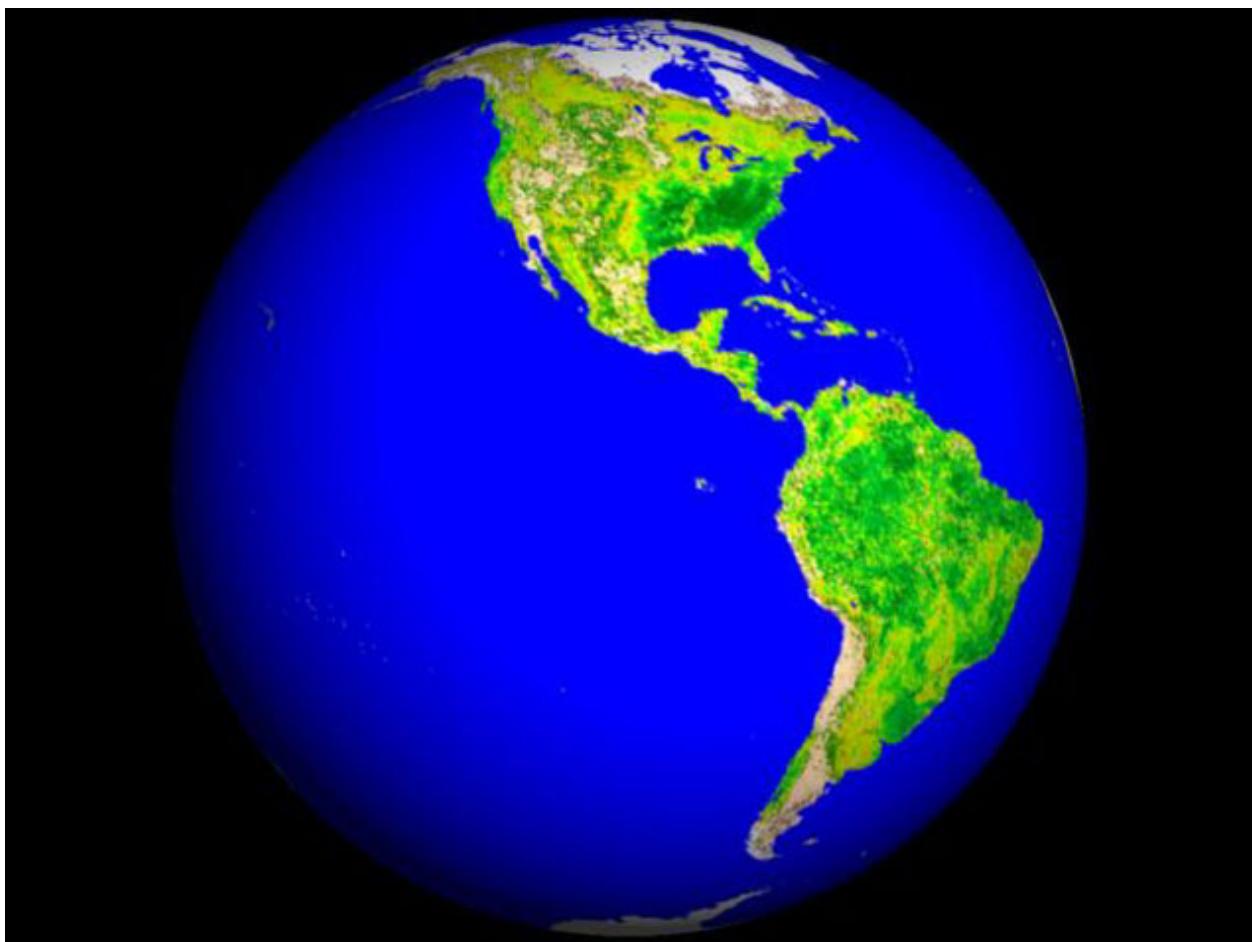
Your job is to compare water in your state with water in another state. Your teacher will assign you a state. Write its name and the name of your state at the top of the chart. Your mission is to look at the maps and images of water features in both states. Compare, as closely as possible, the availability of water in the two states. Good luck.

| | Our State: _____ | Other State: _____ |
|---|---|---|
| Borders ocean? | Yes _____ No _____ If yes, which ocean? _____ | Yes _____ No _____ If yes, which ocean? _____ |
| Rivers | My state has more ___ fewer ___. Name two rivers: 1. _____ 2. _____ | This state has more ___ fewer ___. Name two rivers: 1. _____ 2. _____ |
| Lakes | My state has more ___ fewer ___. Name two lakes: 1. _____ 2. _____ | This state has more ___ fewer ___. Name two lakes: 1. _____ 2. _____ |
| Bays | My state has more ___ fewer ___. Name two bays: 1. _____ 2. _____ | This state has more ___ fewer ___. Name two bays: 1. _____ 2. _____ |
| Other waterways (canals, creeks) | My state has more ___ fewer ___. Name two waterways: 1. _____ 2. _____ | This state has more ___ fewer ___. Name two waterways: 1. _____ 2. _____ |

Conclusions after comparing states: _____



Module 2, Investigation 3: Figure 1

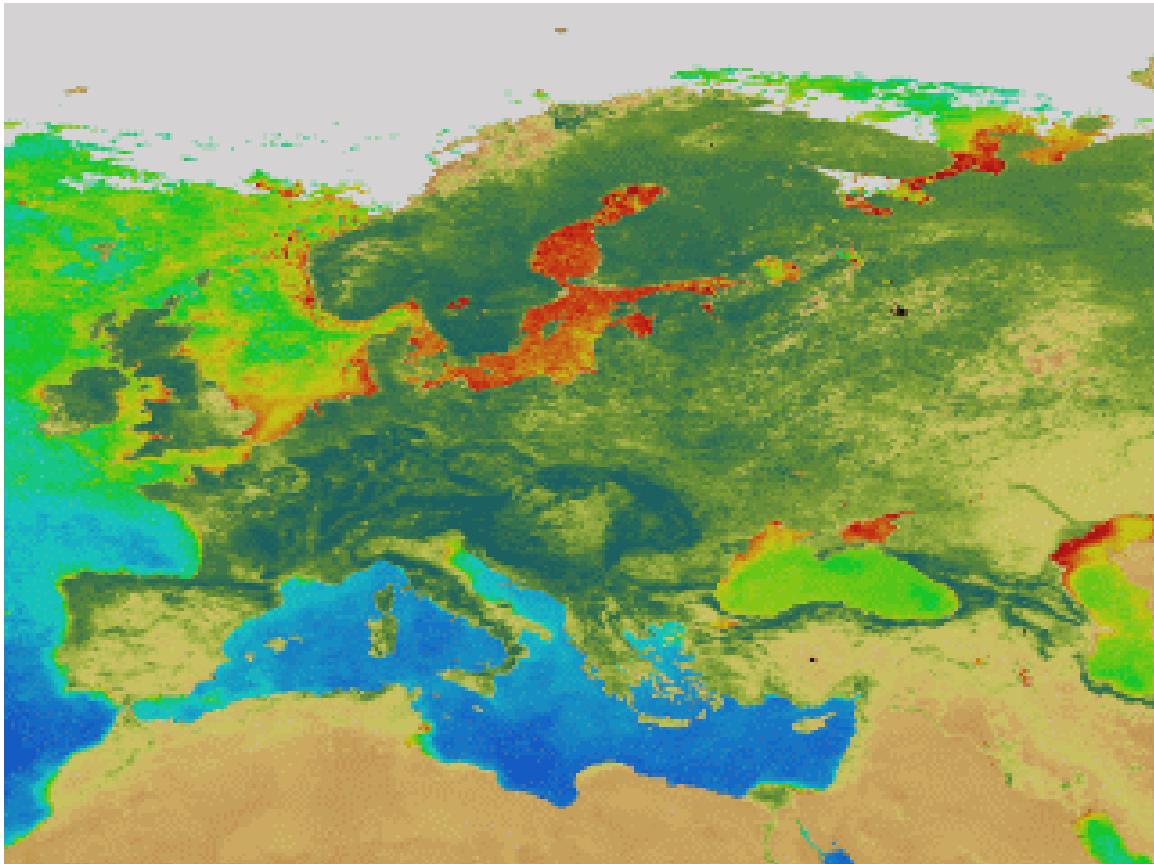


Source: <http://www.nasm.si.edu/earhttoday/ndvilg.htm>

Which ocean can you see on the western half of this view of Earth?



Module 2, Investigation 3: Figure 2

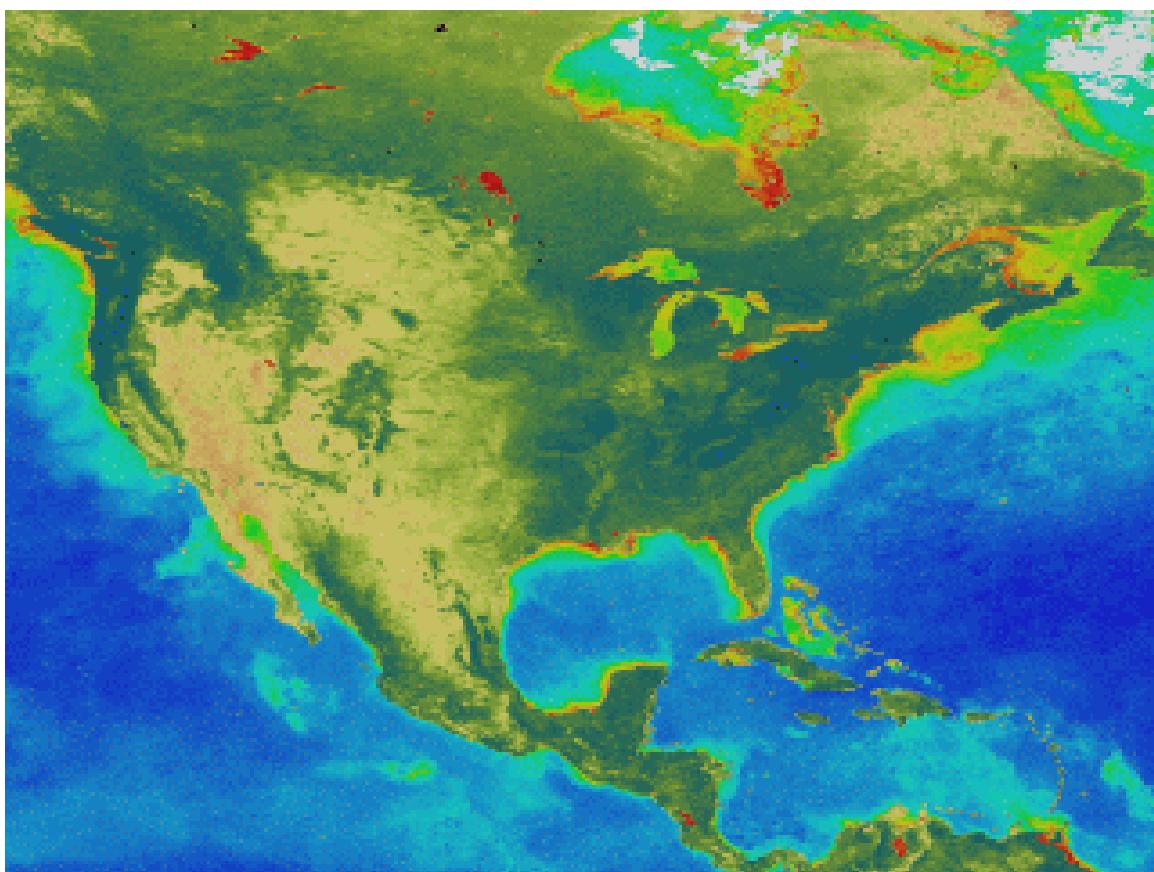


Source: <http://svs.gsfc.nasa.gov/imagewall/SeaWiFS/europe.html>

This is a sea between Europe and Africa. Can you name it?



Module 2, Investigation 3: Figure 3



Source: http://modis.gsfc.nasa.gov/MODIS/IMAGE_GALLERY/MODIS1000017_md.jpg

Can you identify the largest gulf in this image?



Module 2, Investigation 3: Figure 4

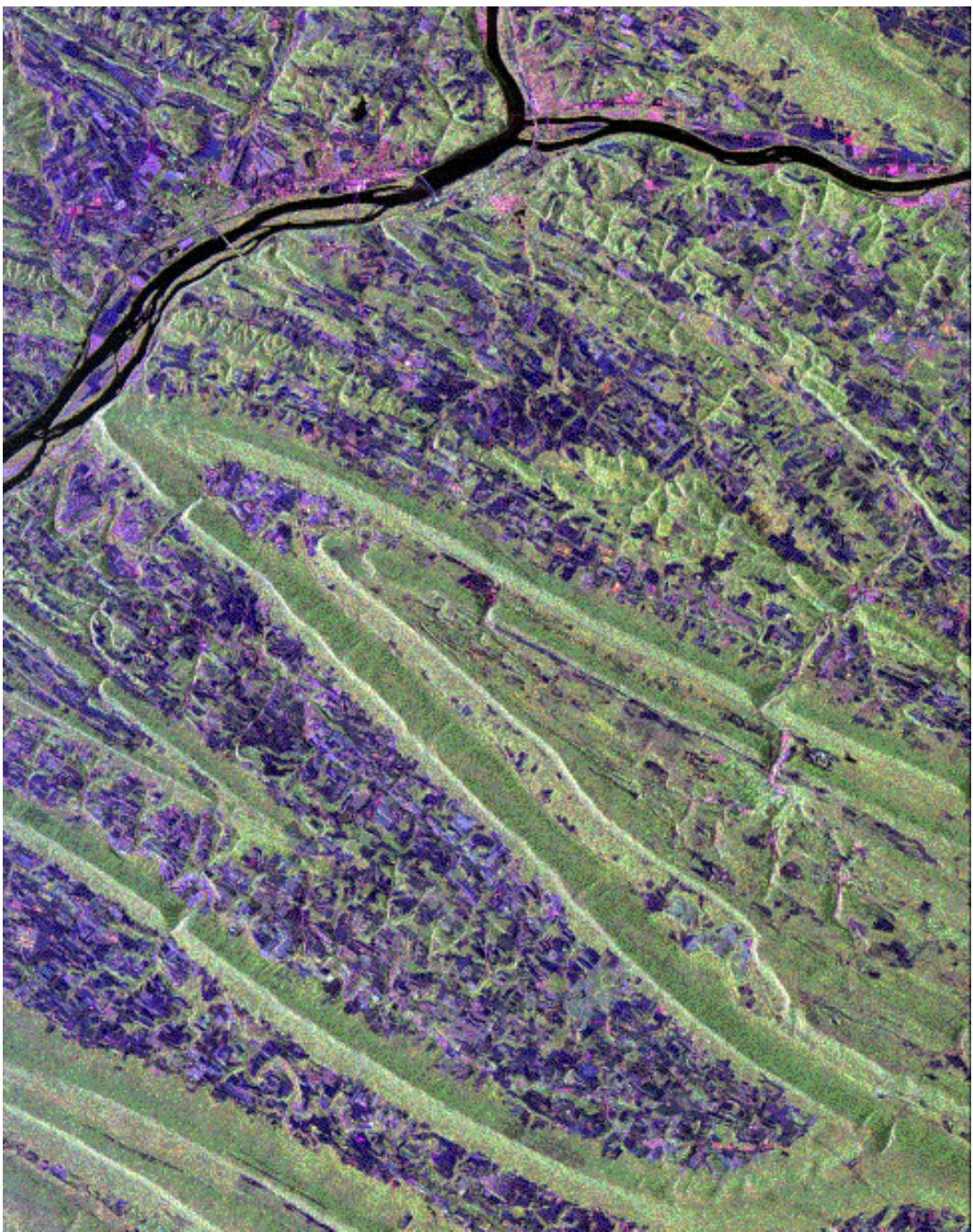


Source: <http://southport.jpl.nasa.gov/pio/srl2/sirc/srl2-sunbury>

This is a bay on the east coast of the United States. It extends from Virginia into Maryland. Can you name it?



Module 2, Investigation 3: Figure 5



Source: <http://www.nasm.si.edu/earhttoday/trclrlg.htm>

This is a famous river that flows through the Appalachian Mountains in Pennsylvania and empties into the Chesapeake Bay. Can you find it on a map and name it?



Module 2, Investigation 3: Figure 6



Can you see the rectangular lake in eastern Africa? Find it in an atlas and name it.