

# H2O River

## All Grade Level Patch



A resource booklet is available at [www.gscb.org](http://www.gscb.org) to assist with completing this patch.

### Daisies/Brownies/Juniors

Complete the starred requirements plus any two other requirements.

- 1.\* Talk about what types of recreation a river provides- (fishing, swimming, waterskiing, canoeing, kayaking, etc.) Find out how many girls have participated in these activities.  
How can the girls ensure that these activities would be preserved? (Recycle, conserve, water, do not litter, etc.) Make posters about conservation/preservation of water, recycling, etc. to put up at a local school, library, or meeting place.
2. Go on a scavenger hunt to search for signs of pollution. Complete the activity, "Pollution Patrol," located on page 1 of the H2O River Resource Book .
3. To learn more about the process of decomposition, complete the activity, "Nature's Recyclers," located on page 3 of the H2O River Resource Book . Talk to the girl about things that decompose near or in a river (food, animals, plants, etc.).
4. "Weave" a fish out of construction paper. Use the directions located on page 8 of the H2O River Resource Book .
5. Complete the activity "Salmon Survival" (section A only) located on page 23 of the H2O River Resource Book . Have the girls share with their family what they learned about the salmon and its life.
- 6.\* Look at a map of your state. Show your troop how to locate a river. Count how many rivers there are. What are some of their names?
7. Visit an aquarium or nature center with animals that live in or around the water. Have the girls learn five things about one fish or animal to share with their family.

## Cadette/Seniors/Ambassadors

Complete the starred requirement plus any five other requirements.

1. \* Find out how many rivers are in Delmarva Peninsula. Name them. What purpose do rivers serve? (transportation, food, energy, homes and food for animals) How are they helpful to us everyday (food, recreation, etc.)? Share this information with a family member.
2. Complete the activity, "Clean Up Your Act" located on page 9 of the H2O River Resource Book .
3. Discuss trash disposal through history and perform a "Trash Rap." Refer to the "Garbage Shuffle" located on page 11 of the H2O River Resource Book .
4. Find out about the Pocomoke River on the internet or at the library. Where does it originate? How many miles is it? What does "Pocomoke" mean? Why is the river such a dark color? If you can visit it for a picnic or a canoeing trip!
5. Visit a zoo or a nature center. Find out a turtle that live in or near a river. What kind is it? What does it eat? How many eggs does it lay? Is it an "endangered" or "threatened" species? How long can it live? Find out more about turtles—can they live without their shells? Why not? Visit as river and look for turtles! Don't touch.
6. Do "Nature's Recycler's" located on page 3 of the H2O River Resource Book . Make sure to do "Nature in your Neighborhood" located on page 5 of the H2O River Resource Book . How do you think these creatures affect the area around a river? Would they cause or help erosion?
7. Learn what makes up a watershed, and then map out one of your own. Complete the activity "Go With the Flow" located on page 14 of the H2O River Resource Book .
8. Do the investigation "The Filtering of Polluted Water" on page 17 of the H2O River Resource Book to find out how water is cleaned for drinking. Call or visit your local water treatment plant to find out how your drinking water is cleaned—what chemicals are used?
9. Play the food chain game located on page 24 of the H2O River Resource Book . Divide your troops into minnows, trout and hawks. After you have played, discuss the importance of each animal in the chain—what would happen if one of them was removed?
10. Read "Salmon Boy" located in the H2O River Resource Book and answer the associated questions located on page 18 of the H2O River Resource Book ; then do the "Salmon Survival" activities (A & B) located on page 22 of the H2O River Resource Book . You can get a small salmon from the store so that your troop can look at one up close. You could use it to make fish print t-shirts (using fabric paint. Leaders: It is recommended that you read all background information about fish and oceans before doing this activity.
11. Visit an electric plant. Find out why they are always on a river. Why is water important to the production of electricity? Find out what precautions the plant takes to protect the environment. Refer located on page 25 of the H2O River Resource Book for sample questions and possible resources.

