**Discover Your Ecological Address** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What are the 9 major components of your ecological address?

2. How much of North Carolina’s population gets its drinking water from a groundwater source?

3. What is biodiversity?

4. Where are Venus flytraps found in N.C. and why is this special?

5. What is energy?

6. What are four types of wetlands?

7. How do wetlands provide flood control?

8. What three processes are influenced by topography?

9. What does the quality of air blowing across an area affect?

10. How is exploring your ecological address good for you, not just the environment? (be specific)

11. What is climate?

12. What allows N.C. to have the largest amount of climate variability of a state east of the Mississippi River?

13. What is soil?

14. What is soil made of?

15. How many river basins are in North Carolina? Name three.

**Discover North Carolina’s River Basins**

1. What is an estuary?

2. What are the largest and smallest North Carolina river basins?

3. What is a vegetative buffer and how does this influence the health of ecosystems?

4. What did the Clean Water Act of 1972 establish?

5. What is point source pollution? How does this compare to nonpoint source pollution?

6. What is the basic philosophy of the Stream Watch program?

**Neuse River Basin**

1. What is the longest river in North Carolina and at what point is it the widest river *in America*?

2. Why is the Neuse River important for the fishing and seafood industry?

3. What are two endangered species of mussels?

4. What is the “Carolina mudpuppy?”

5. What is a big threat to water quality in the lower Neuse River?

6. Why did the state stop the creation of new hog farms?

7. By 2020, how many residents are expected in Wake County?