

## Watersheds, wetlands and water quality

### Watersheds

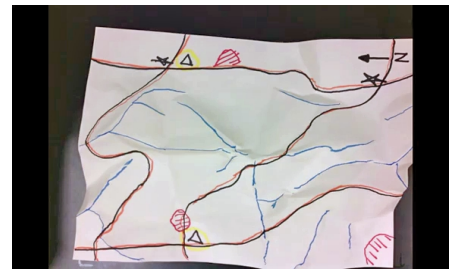
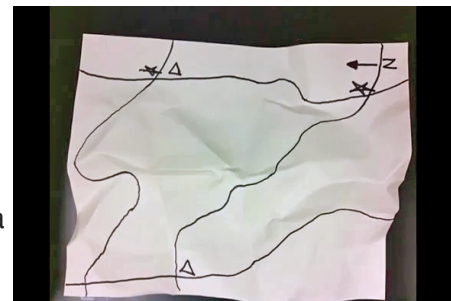
*What is a watershed? What does a watershed look like?*

#### Materials

- 1 piece of printer paper
- Black permanent marker
- Water-based markers (blue, red, green, yellow, orange)
- Spray bottle
- Cookie sheet or tray to collect any overspray

#### Procedure

1. Fold paper in half lengthwise (like a hot dog bun).
2. Add “N” for north and an arrow pointing upwards on a bottom corner of the paper so that you can track your original orientation.
3. Crumple the paper into a ball (no tearing).
4. Straighten out the paper with the centerfold line on the top.
5. Using the permanent marker, draw at least two lines for roads: one going primarily north-south and one going east-west across the fold.
6. With the permanent marker, mark locations for a factory (a triangle), a farm (an oval area) and a housing development (two pentagons) on one side of the fold, and a city (several rectangles), a housing development and a factory on the other side of the fold.
7. Using a yellow water-based marker, circle the housing developments two times.
8. Using a green water-based marker, circle the farm location two times.
9. Using the red water based marker, circle the city location two times.
10. Using the orange water-based marker, trace over the road lines you created.
11. Using the blue water-based marker, mark over at least half of the ridges in the paper.
12. Take a photo of your model.
13. Set the model in a cookie sheet or on a tray or paper towel. Spray the paper with water until water pools on the paper.
14. Take a photo of your model after spraying.



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