Color Me a Watershed: Part 2

1. Choose a color to represent each land use area and note the color on each map key.

2. Lightly color each land use area on each map using the colors your team chose above.

Once coloring is complete:

1. Determine the land area of each map. **Each grid unit = (1) square kilometer (km^2).**

2. **FOR EACH MAP.** Calculate the land coverage for each land use type (*i.e., forest, agriculture, grasslands, etc.*) in square kilometers and percentage of total watershed land area shown on the map. Record in the chart below.

Chart for Option 2:
Area of Land Coverage

	Map A 100 years ago		Map B 50 years ago		Map C Present	
Land coverage	km^2	%	km^2	%	km^2	%
Forest						
Grasslands						
Wetlands						
Residential						
Agricultural						
Stream						

= Please complete question on the other side =

3. Which land coverage do you think could absorb the most water in a storm? Why?

4. Which land coverage do you think would absorb the least water in a storm? Why?

5. What percentage of water in a storm do you think will run-off the land in this portion of the watershed?

6. Do you think this volume will increase or decrease with the changes in land coverage over time. Why?