Stormwater Science

Part 2

Follow this worksheet as you watch the BEMP Stormwater Science Part 2 video. This video will go over an imaginary watershed model to understand which types of pollutants are released into the water from different communities.

To help you follow along, use the space below to draw a sketch of the "Imaginary Watershed Model". Also, don't forget to keep track of all the cards each community releases into the river by using the table at the end of this document.

1. Based on what was talked in the previous video, do you remember which type of water, based on its origin, does NOT get treated before reaching the Rio Grande?

2. What are the main differences between the two pictures of the Rio Grande and its bosque?

3. Do you know any Rio Grande tributary?

4. Where does the Rio Grande ends its journey?

5. Which type of materials do you think might end up in the river that come from the Cattle Ranch community?

6. What do you think we can find in the Rio Grande water?

7. Can you think of an example for a nonpoint-source pollution?
   Note: You can use the diagram in the video to help you answer this question.

8. Do you think the Rio Grande water has a high or a low turbidity?

9. How would you explain **turbidity** in your own words?

10. How would you explain **turbidity** in your own words?

11. How many E. coli cards are in the water next to the Urban City?

BEMP
Bosque Ecosystem Monitoring Program





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Keep track with me!	Upstream Eco-friendly town		Cattle ranch		Agricultural field		Urban city		Downstream Eco-friendly town	
	Before	After	Before	After	Before	After	Before	After	Before	After
Turbidity										
Dissolved Oxygen										
Macroinvertebrates (healthy – unhealthy)										
Fish biodiversity (blue – pink – green – grey)										
Escherichia coli										
Nutrients										
Pesticides, Herbicides and Fungicides										
Trash										
Oil & Gasoline										
Medicine (and other chemicals)										