



# River of Change

## Rio Manso (Part 2)

*Adapted from the Bosque Education Guide*

Follow this worksheet as you watch the River of Change - Rio Manso (Part 2) video to learn more about all the changes the Rio Grande and its bosque have experienced over the last 2,000 years to make it look like it does nowadays.

1. What do you think happened to the Rio Grande and its bosque to make it look like in the recent picture (in comparison to the 1930s photo)?
  
  
  
  
  
  
  
  
  
  
2. Where would you want to live if there was a major **drought** around you like the one the Southwest experienced 750 years ago? Why?
  
  
  
  
  
  
  
  
  
  
3. What would happen to the circled items (purple) during the **floods**?
  - a. They would stay the same
  - b. They would get damaged
  - c. They would float away
  - d. They would have minimal damage
  
  
  
  
  
  
4. What are some solutions to prevent **flooding damage** on homes that you can come up with?

5. What will happen to the **shape of the river** now that there is a wall to prevent it from meandering?
  - a. It will straighten
  - b. It will stay the same
6. Now that there's a **ditch** in place, what would happen to the water that goes over the levee?
7. What would happen to the features circled (purple - cottonwood seedlings, saplings, oxbow lakes...) now that the levees and ditches are installed?
8. Have you been to **Cochiti lake** before? If so, what did you see there?
9. Now that the **dam** is in place, would there be more or less water in the Rio Grande south of it? Why?

10. Now that less water is flowing in the river and through the bosque, what plants might make their way into this drier environment?
  - a. Large trees
  - b. Upland shrubs
  - c. Sunflowers
  - d. Riparian shrubs
11. What changes do you see from the past river to the present river? List them.
12. What changes do you think can be done on your own and as a community to help the river look more like it did in the past?
13. Finally, do you think we should make the river look like the past?