

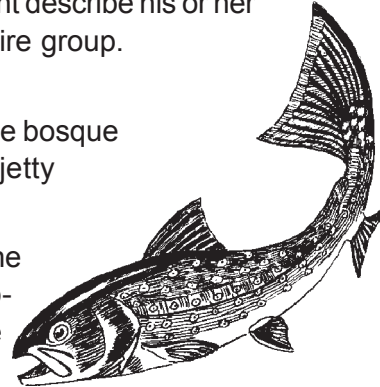


### Section A: Rio Bravo

2. Set up the river as Rio Bravo (see “Changing River” activity).
3. Option a: Animal Match: Hand out to the class the cards with pictures and descriptions of the Rio Bravo animals, making sure that no student receives the picture and drawing for the same animal. Have the students take turns reading a description, with classmates guessing which animal is being described. The student with the matching drawing should place the animal on the model in the habitat described in the reading. Continue around the room until all the animal descriptions are read and all the drawings are placed on the model.
- or Option b: If you have less class time, hand out the animals with their descriptions to the students. Each student should have at least one animal of his or her own. Have the student carefully read the description and decide where that animal lives. What is its habitat? Students should then place the animal on the bosque model in a location where it would best live. Place them on the Rio Bravo bosque—before the ditches, levees and homes. Have each student describe his or her animal and where it lives to the entire group.

### Section B: Rio Manso

4. Now add the human alterations to the bosque model: irrigation ditches, levees, jetty jacks, etc. (Rio Manso).
5. Place the introduced species on the model, using the method from Option A or Option B above. Ask the students if any of their animals are affected by the change in the river or the introduced species of animals. Which animals are thriving because of the changes and which have lost habitat?
6. Have the class review “Threatened and Endangered Animals” near the end of this activity—a brief summary of some threatened, endangered, or extinct bosque animals.



### Section C: Rio Nuevo

7. Discuss what impacts restoration projects can have on these animals (Rio Nuevo changes). Using restoration project ideas from “Changing River” or from the students themselves, adjust the cards (such as removing exotic species) based on student discussion.

## Who Lives Where? cards



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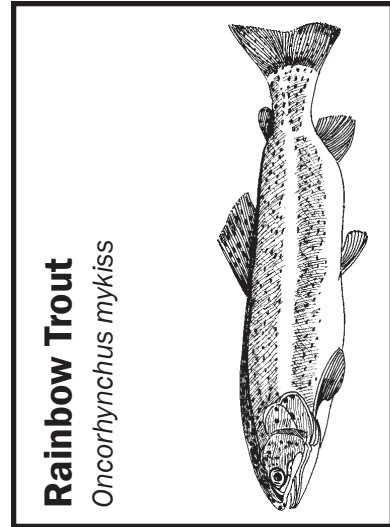
### Part 2B: Rio Manso: Upper Watershed Adaptations: Introduced

Text for older students top in single-line box, for younger students below in larger type in double-line box.

The following cards are for use with the model set up as Rio Manso, the tamed river, for upper watershed sites (upper tributaries or areas north of the Middle Rio Grande). Use them if your school is located in the upper watershed or if you want to study the upper watershed.

I have a dark back, polished silvery sides, a red band along the lateral line, shimmers of green and blue in the sunlight and black specks from head to tail. I am almost every color of the rainbow! I have been transplanted from my home waters in the Pacific Northwest. I prefer clear, cold water with plenty of dissolved oxygen and many places to hide. In New Mexico I live in the tributaries of the Rio Grande as well as in several cold mountain lakes. I catch insects in the water or near the surface.

I have a dark back and a red band along my silvery sides. Green and blue colors show in the sunlight and I have black dots from head to tail. I am almost every color of the rainbow! I came here from my home waters in the Pacific Northwest. In New Mexico I live in cold, smaller streams that flow into the Rio Grande. I also live in some cold mountain lakes. I catch insects in the water or near the surface.



I have a sleek and colorful olive-brown body that sparkles with gold. My upper sides are dotted with black and sprinkled with blue-haloed red and orange spots, although my tail has no spots. I live in coldwater streams and lakes, but I prefer deeper, slower and warmer streams than other species like me. I eat minnows and aquatic insects. My species was introduced to North America in 1883. Now I am commonly found throughout the USA, including some tributaries of the Rio Grande. I am wary and difficult to catch. I hide under a log or in a rock crevice when startled.

I have a sleek and colorful olive-brown body that sparkles with gold. My upper sides have lots of black, bluish-red and orange spots. I live in small to large coldwater streams and lakes. I eat minnows or water insects. My species was brought to North America in 1883. Now I live in some of the smaller streams of the Rio Grande watershed. I hide under a log or behind a rock when scared.

## Rio Manso

