

## **Directions**

1. Print out copies of the data sheets and stream sample sheets. Each stream sample should be printed on a different color so they do not get mixed up or put in separate containers.
2. Divide the students into 6 groups.
3. Explain to the students that they will have to work together to score all of the insects from their stream sample and calculate a water quality rating. Make sure that they understand that they need to check the box on the score sheet if they find the insect. It does not matter how many times they find that insect in the stream. They can make a note of how many they find beside the check box if they desire. This may help them draw conclusions at the end of the exercise.
4. Distribute copies of the data sheet to each student.
5. Distribute one stream sample to each of the groups.
6. Instruct the students to score the macroinvertebrates and fill in their data sheets.
7. Once all the students have scored their watershed, have one student from each group report their findings. At this time, let another student from the group, read the description of the watershed.
8. Once all groups have reported, the students can discuss any observations about their score and how it may relate to the description of their watershed.