

**Nā Wai 'Ekolu Stream Data: Grades 3 to 5**  
**Answer Essential Questions**



Use your data worksheet to answer the following questions and then compare your responses for questions 1 through 3 with the sample answers provided.

1) Looking at your data sheet, what do you think are some of the conditions or variables that are causing differences in the data being collected?

Differences in data may be due to variables such as time and date, location, species, origin, and relative location.

Write down your responses for questions 2 through 4 on your own then discuss them as a class.

2) What conclusions can be drawn from your analysis of the data?

For both tables, the number of invasive species being removed is decreasing over time. For the data collected at Kaimuki High School, the number of native species is increasing over time. For the data table showing data collected on the same date, Makiki Stream has the lowest count of invasive species.

3) Are your efforts making a difference to the health of the watershed? What evidence supports your answer?

Continuous removal efforts over time have a beneficial impact to the health of the watershed. The data tables show that the number of invasive species are decreasing over time, leaving habitat and other resources available for native species.

4) How can we change people's behavior to support the health of the watershed?

5) Discuss and sketch the condition of an area of the stream that you visited. Then brainstorm what this location will look like in 5 years; or 10 years. Describe the changes and explain how the changes will impact the native species and stream.