

In order to continue gathering samples in the most effective way possible, here's what we still need. Support healthier lakes today at [lakes.grace.edu/give](https://lakes.grace.edu/give).



01

**Item:** Zebra mussel sampler  
**Contribution:** \$100

In 2019, we're continuing a new project to measure invasive zebra mussel populations in our lakes. This gift supports the assembly, installation and monitoring of one zebra mussel sampler.



02

**Item:** Handheld weather meter  
**Contribution:** \$200

Weather meters measure atmospheric conditions, such as air temperature, pressure, and wind speed during our lake and stream sampling.



03

**Item:** Wading rod  
**Contribution:** \$1,200

The wading rod acts as a mount for the handheld flow sensor (see item 04) and is marked to measure stream depth. The rod and sensor help us calculate the volume of water entering or leaving a lake via each stream.



04

**Item:** Handheld flow sensor  
**Contribution:** \$5,900

Handheld flow sensors measure water velocity in a running stream. We sample twelve points across the stream in order to capture any variation in flow from one stream bank to bank.



05

**Item:** Multiprobe sonde  
**Contribution:** \$6,000

This equipment measures the most fundamental lake characteristics, such as water temperature and dissolved oxygen content, as it is lowered to the bottom of the lake. It is crucial for our work both on lakes and in streams!



06

**Item:** Continuous flow monitor  
**Contribution:** \$18,000

In order to measure nutrients and sediments entering local lakes, we need to know how much water is entering and exiting. These monitors measure this water movement 24/7 and send the data to an online database for immediate access.