

Stone Laboratory space and equipment use fees for visiting scientists

Visiting scientists from Ohio State University and other institutions can access many of the resources available at Stone Laboratory. The Stone Laboratory research coordinator (Dr. Justin Chaffin, chaffin.46@osu.edu) will work with the visiting scientists to arrange the visit and accommodate the researchers to the best of the lab's ability. The availability of facilities and vessels is on a 'first-come-first-served' basis. Fees to be assessed are listed below. All research projects involving the handling of vertebrates must have Ohio State University-approved IACUC.

Ohio State University researchers will receive a 5% discount on the entire invoice, and those within CFAES will receive another 5% discount (a total of 10%). Federal employees will receive a 10% discount.

To schedule research time at Stone Lab, please contact Justin Chaffin. We are working on an online form to more accessible requests.

Laboratory Space and Equipment: Laboratory space is available for visiting scientists in the Wet Lab (1,710 ft²), Flex Lab (990 ft²), and the Analytical Lab (728 ft²) of the Peach Point Research Building on South Bass Island. The research coordinator will work with the visiting scientists to determine which laboratory room suits your project best. Fees are assessed per week.

Any lab space is \$55/week. The fee includes access to the wet lab's sinks, compressed air system, lake water supply, fume hood, refrigerator, freezers, DI water, WiFi, and basic laboratory instruments.

Outdoor space: Deploying autonomous data-logging instruments on Stone Lab grounds, buildings, and docks will be considered case-by-case. No fee will be assessed while the equipment is operating. If the visiting scientist needs assistance from Stone Laboratory staff while deploying, retrieving, and maintaining their equipment, a fee of \$35.00 per staff per hour will be assessed. Equipment can only be placed where it does not impair the daily functions of Stone Laboratory.

Research Vessels: Stone Laboratory has several research vessels available to meet your sampling needs. The fee for vessel usage is \$275 per hour (running or idle). The fee includes all fuel and operator. The operator may not be trained in sampling with your equipment. If the visiting scientist needs assistance from Stone Laboratory staff while sampling, an additional fee of \$35 per hour/ person will be assessed.

Fee structure:

1. The base fee is **\$275/hour for any vessel**. This fee includes a captain, gas, oil, and wear and tear.
2. The vessels are billed out on an hourly scale. Billable time begins when the vessel leaves the dock and ends when the vessel returns. Billable time includes all time underway (making way and drifting) and anchored (with the engine on or off). The captain records when the vessel departs and returns.
3. A deckhand will be added to every trip for a fee of **\$35/hour**. This fee can be dropped if the Research Coordinator and the boat captain deem it unnecessary for the trip. They will consider factors such as which vessel is being used, whether the group has experience on Stone Lab vessels, the weather, and the instruments being deployed.

Vessels available:

R/V Erie Monitor: 25-ft Almar, 250 hp engine, and an enclosed cabin with a small bench (6 ft²). The R/V Erie Monitor is ideal for limnological sampling and sampling in shallow Lake Erie bays. The Erie Monitor can accommodate a crew of 6.

R/V Gibraltar III: 47-ft aluminum trawler with an A-frame for deploying trawl nets or lifting heavy equipment, 110VAC electric generator, and bench space (12 ft²). The Gibraltar III can accommodate a crew of 16.

M/V Biolab: 37-foot steel trawler. Built in 1947, the BioLab is the oldest research vessel still operating in the Great Lakes. The BioLab's range is limited to only the Bass Islands area. The BioLab can accommodate a crew of 16.

R/V Sparky: 16-foot electrofishing boat. It can be trailered and operated outside of Lake Erie (additional fees will apply here).

Mesocosm facility: Stone Lab's Mesocosm Facility (1,500 ft²) has 15 circular 600-gallon (2700 liters) tanks.

Fee structure:

1. Fees for the mesocosm are assessed per tank per week, and the current rate is **\$50/tank/week**.
2. There may be additional costs of \$35.00 per hour for staff time to set up or clean the mesocosms after your experiment.

Stone Laboratory staff assistance: Stone Laboratory research and laboratory assistants are available for hire to assist with sample collection, processing, or equipment maintenance (if schedule allows). The rate per assistant is **\$35.00 per hour**. Stone Lab staff can assist on research vessels, in the labs, or in the mesocosm.

Water sample analysis: Prices listed are per sample. Samples must be provided in the state they are to be analyzed (i.e., filtered, preserved, on a filter) and in the proper container. *Please contact Justin Chaffin (chaffin.46@osu.edu) before samples are collected for the required sample volume and the preservation method used.*

Nutrient analysis: The standard suite of analytes is nitrate, nitrite, ammonia, DRP, and silicate (on filtered water) and total phosphorus and total nitrogen (on unfiltered water). The cost is **\$50.00 per sample**.

Other nutrients: Urea-N and total dissolved P and N are also available. Contact Chaffin for current availability and price.

Microcystins: Analyzed by ELISA by Ohio EPA-certified analysts. Please indicate if the samples are surface water samples that require lysis (by three freeze/thaw cycles) or are tap water samples that require chloride quenching.

2 or more samples: \$70/sample
1 sample: \$140/sample

Other water analyzes: \$5 per analysis per sample. Analyzes available include chlorophylls *a*, *b*, and total carotenoids, total suspended solids, and non-volatile suspended solids. Please record the volume of water filter for each sample and the mass of each filter (for TSS).

Housing for Visiting Scientists: Overnight rates are as follows (per person per night). Stone Lab reserves the right to place visiting researchers in housing on either South Bass or Gibraltar Island, depending on the scientist's needs and other housing needs at the lab.

South Bass Island cottages with linens: Nightly = \$40.00; Weekly = \$170.00; Monthly = \$500.00

South Bass Island AVC Bunkhouse without linens: Nightly = \$15.00; Weekly = \$70.00; Monthly = \$210.00

South Bass Island Lighthouse with linens: Nightly = \$40.00; Weekly = \$170.00; Monthly = \$500.00