

Analytical equipment

1. Shimadzu LC-6 Ternary Gradient HPLC system with UV detector
2. Shimadzu GC-14 with three injection ports, dual FID detectors, ECD detector, AOC-17 auto injector
3. Shimadzu EZChrom version 4.3 chromatography software with A/D converter pH/mV/deg.C-meter

Optical equipment

We will provide compound or dissecting microscopes from the Live Lab if you require them for your work in the Analytical Lab.

NOTE:

Both laboratories are equipped with a standard range of laboratory supplies and a small range of general use chemicals. We are able to provide general use items such as Petri dishes, surgical gloves or microscope slides at a cost but we have no means of sterilizing this equipment. We do carry alcohol burners for sterile working and a shortwave UV hand lamp for sterilization of small amounts of liquids but we have NO AUTOCLAVE. Therefore, if you require any special or specially treated (e.g. autoclaved) items please check with your Project Coordinator or bring them with you when coming to Lee Stocking Island.

Wet Lab



The wet laboratory is located behind the live lab. The 400 sq feet is a variable layout flow-through system with access to both filtered (sand) and unfiltered seawater. It is equipped with electrical outlets to run lights, air pumps etc. and we carry following wet tables and aquaria for your use:



8' x 4' wet tables (4)
12' x 20" raceways (4)

50 gal (189 L) aquaria (16)
10 gal (37 L) aquaria (9)
5 gal (19 L) aquaria (29)

Production Area

Outdoor ponds of varying sizes with flow-through seawater supply are available for work at the Perry Institute for Marine Science. We have following holding tanks:



Circular ponds:
66" diameter, 15" height (2)
90" x 36" (2)
190" x 48" (4)

Square ponds: 26' x 36', 26" high water level (4)



Lobster Lab



The Lobster Lab is located east of the PIMS office at the edge of the salt pond. It contains 10 outdoor ponds between 120 and 450 sq ft (depth: 3' – 8') and 27 x 55 gal aquaria inside the air-conditioned laboratory. All aquaria and ponds are supplied with filtered salt water and aeration can be added to the indoor aquaria. The lab also contains a work bench with freshwater and saltwater.



Waterfront



(all boats equipped with VHF radios and other safety equipment)

- (1) 22 ft center console w/115hp OB
- (2) 20ft center console w/115hp OB
- (4) 17ft Boston Whaler w85hp OB
- (1) 13ft Boston Whaler w/35hp OB
- (1) 20ft TwinVee Catamaran w/ 2-60hp OB
- (1) 19ft TwinVee Catamaran w/115hp OB



Dive Locker – Scuba gear, HP compressors (2), compressed air storage bank, portable HP compressors, nitrox systems and equipment, recompression chamber

(2)

Lodging



Dormitory style housing is available with air conditioning and bathroom facilities.

