



RSMAS CAMPUS TOUR

UNIVERSITY OF MIAMI

ROSENSTIEL
SCHOOL of MARINE &
ATMOSPHERIC SCIENCE



FEBRUARY 2017



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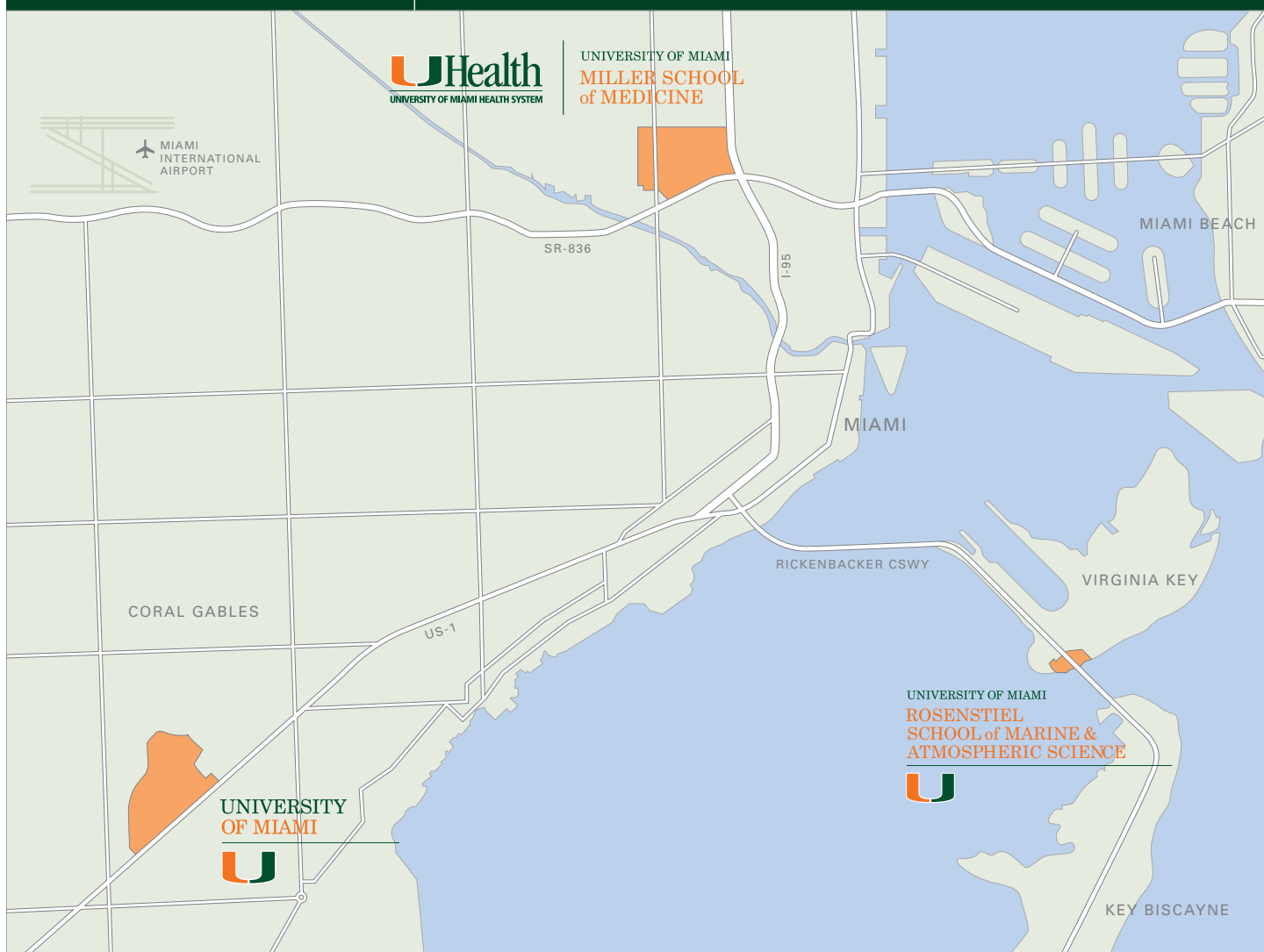
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Campus Locations

University of Miami
Coral Gables

Miller School of Medicine
UHealth
University of Miami Hospital
Miami Health District,
City of Miami

Rosenstiel School of
Marine & Atmospheric
Science
Virginia Key,
Miami-Dade County



UNIVERSITY OF MIAMI
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U Campus Facts



Year of Founding

1943; established on
Virginia Key in 1953

Campus Area

18.97 acres
Main Campus: 9.5 acres
Tracts A & B: 9.47 acres

Number of Buildings

17

Total Building Square Footage

348,543 SF

Leases and Land Ownership

A-B 9.5 acres

Tract A Folio # 30-4217-001-0010 (7.942 acres)
Tract B Folio # 30-4217-001-0020 (1.61 acres)
Leased From: Miami-Dade County

C 1.56 acres

Folio # 30-4220-000-0010 (a portion of)
Leased From: Miami-Dade County

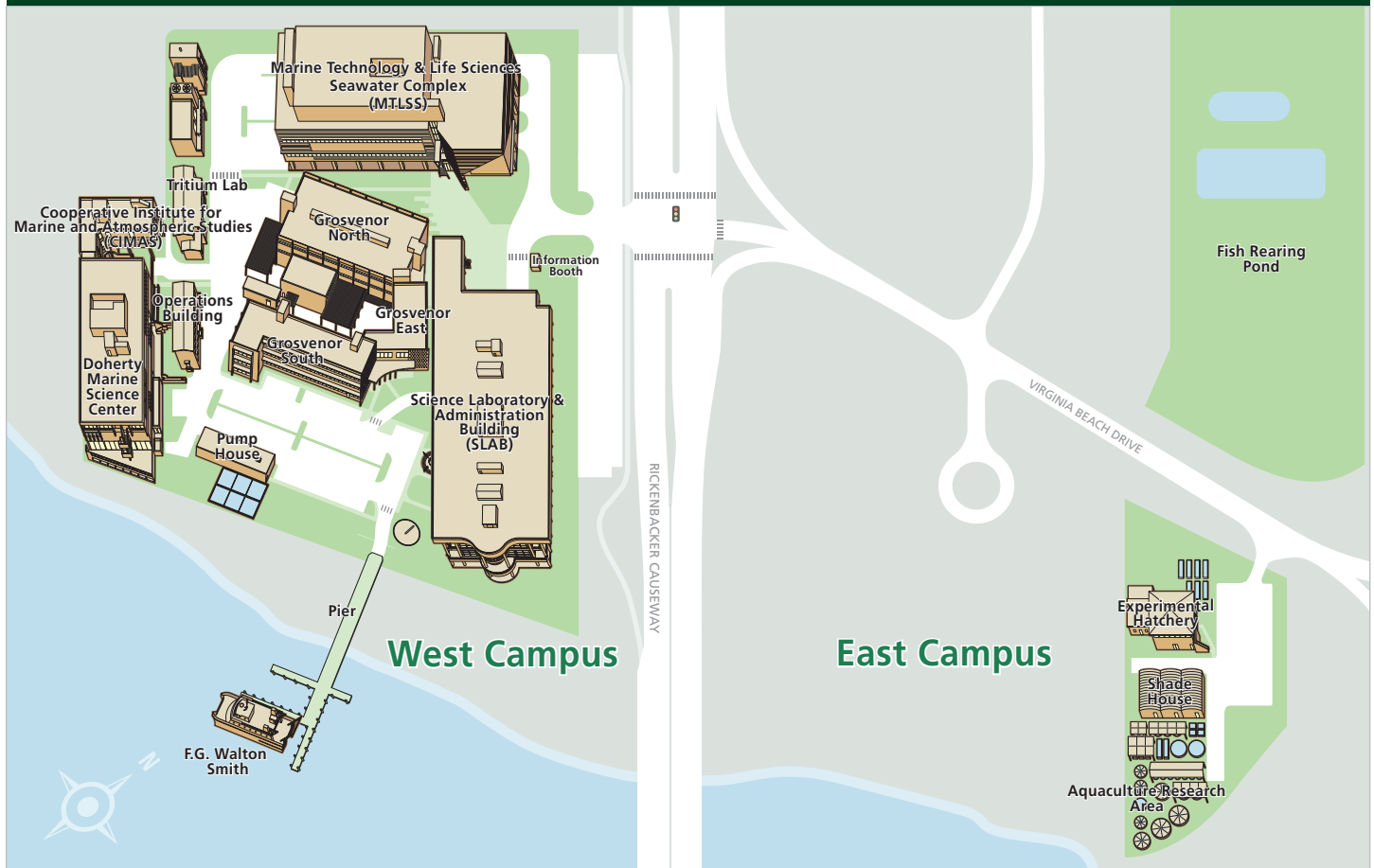
D 1.53 acres

Folio # 30-4220-000-0030
Leased From: Miami-Dade County

E 6.38 acres

Folio # 30-4220-000-0030
Owner: University of Miami

Campus Features



West Campus

- Marine Technology and Life Sciences Seawater Complex (MTLSS)
- Science Laboratory and Administration Building (SLAB)
- Grosvenor East
- Grosvenor North
- Grosvenor South
- Marine Science Center (MSC)
- Cooperative Institute for Marine & Atmospheric Studies (CIMAS)
- R/V F.G. Walton Smith
- Tritium Lab

East Campus

- Experimental Hatchery
- Fish Rearing Pond



- Marine Technology and Life Sciences Seawater Complex (MTLSS)
- Science Laboratory and Administration Building (SLAB)
- Grosvenor East
- Grosvenor North
- Grosvenor South
- Doherty Marine Science Center
- Cooperative Institute for Marine & Atmospheric Studies (CIMAS)
- R/V F.G. Walton Smith
- Tritium Lab
- Operations Building

West Campus





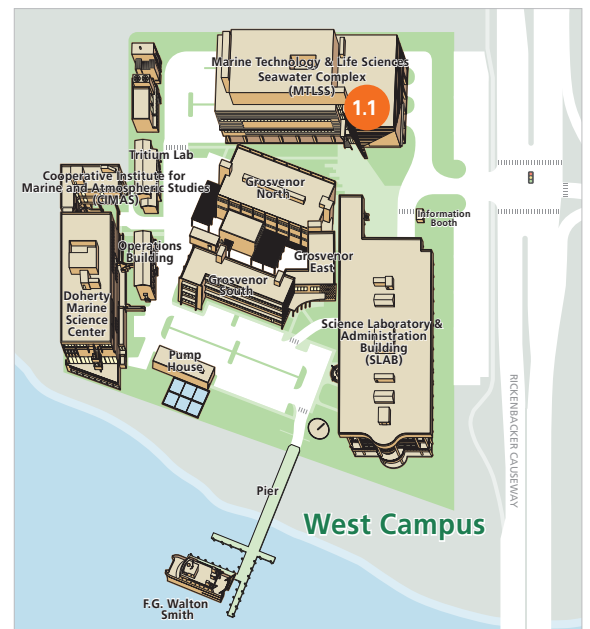
1.1

Marine Technology and Life Sciences Seawater Complex

Designed by Cambridge Seven, 2014 86,805 SF

The Marine Technology and Life Sciences Seawater Complex (MTLSS) is an essential component of the research at RSMAS including studies that rely on seawater for observing air-sea interactions in a controlled environment and facilities for holding, spawning and rearing marine organisms. This dedicated seawater complex is the centerpiece of an updated Rosenstiel School campus and permits UM scientists to further unravel the mysteries of the planet.

The complex houses the one-of-a-kind Alfred C. Glassell, Jr. SURge-STRUCTure-Atmosphere Interaction facility (SUSTAIN). It is a tempest in a teapot the size of a small house and it is unique in its ability to create category-5 level hurricanes inside of a lab, across a 3-D field of waves made of real sea water pumped into the building at 1,000 gallons per minute. With it, scientists are able to better understand the process by which hurricanes are fueled by warm water.



West Campus

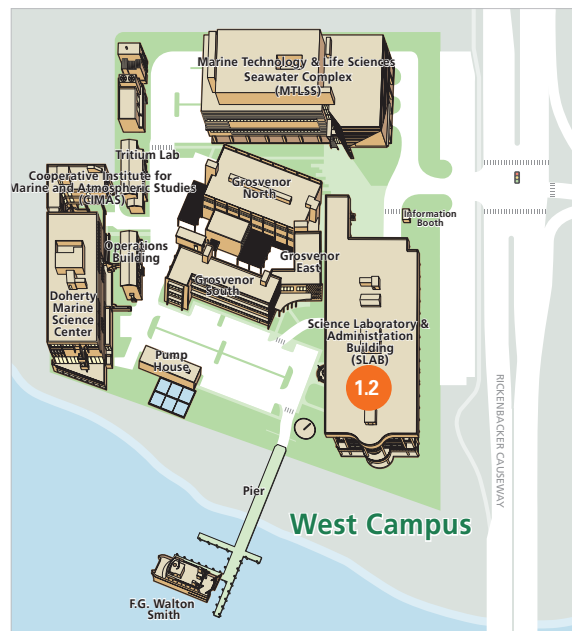


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Science Laboratory and Administration Building (SLAB)

Designed by Abramowitz Harris, Kingsland, 1986 71,760 SF

The SLAB building houses the administrative offices of RSMAS, the marine library, chemistry laboratories, and teaching spaces. The RSMAS library is one of the foremost marine science libraries in the United States.



West Campus

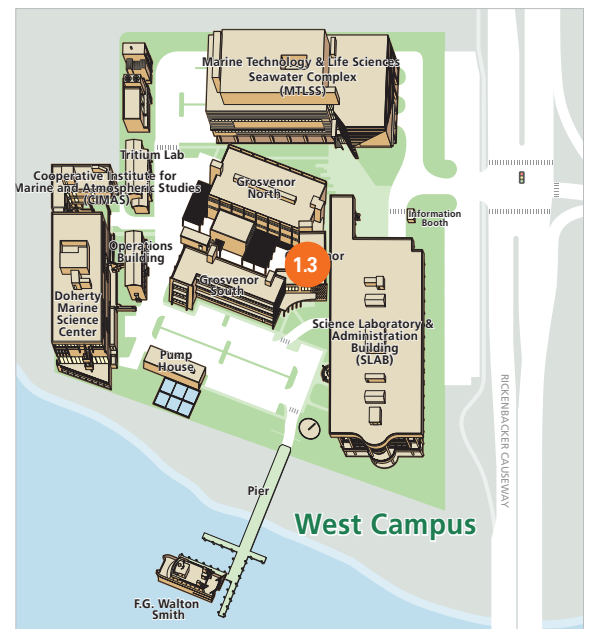


1.3

Grosvenor East

Architect unknown, 1959 8,926 SF

The Grosvenor complex houses faculty and staff offices, and research laboratories.



West Campus

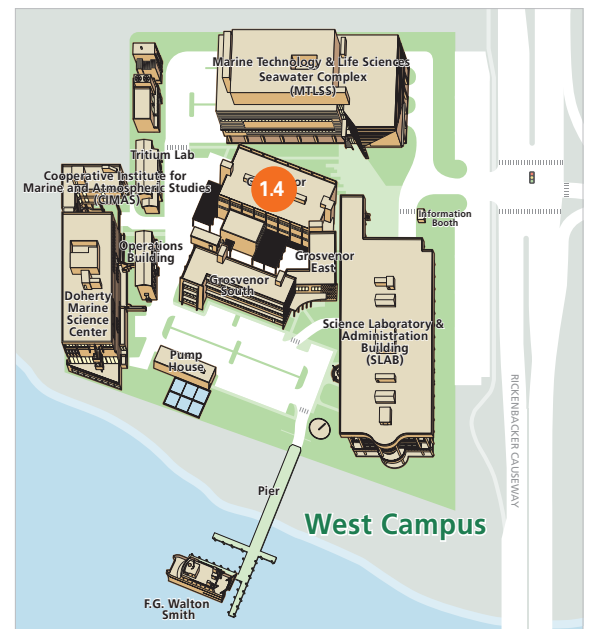


1.4

Grosvenor North

Architect unknown, 1965 50,473 SF

The Grosvenor complex houses faculty and staff offices, and research laboratories.



West Campus

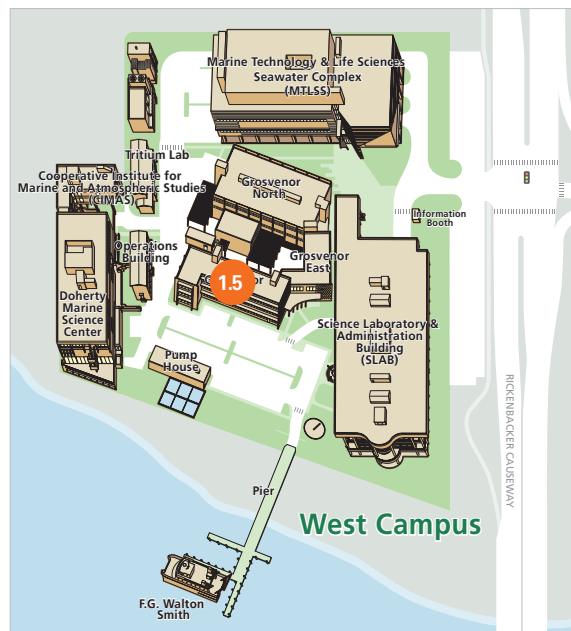


1.5

Grosvenor South

Architect unknown, 1957 25,890 SF

The Grosvenor complex houses faculty and staff offices, and research laboratories.



West Campus

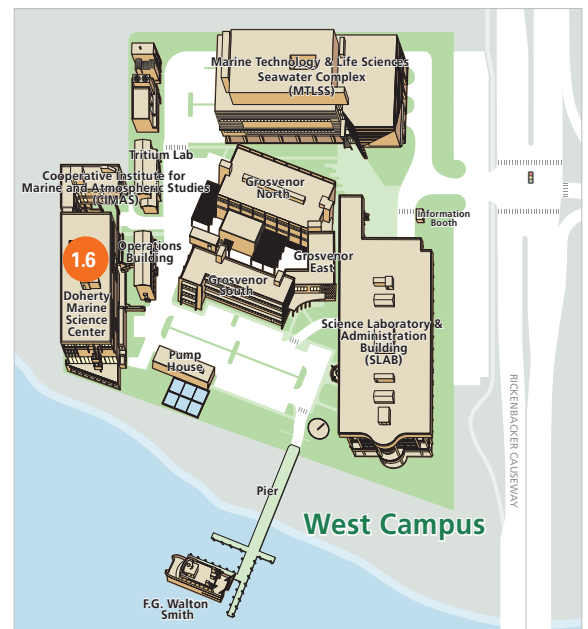


1.6

Doherty Marine Science Center

Designed by Ferendino Grafton Pancoast, 1971

The Doherty MSC houses atmospheric research labs and computer labs, faculty and staff offices, and the dining facilities.



West Campus

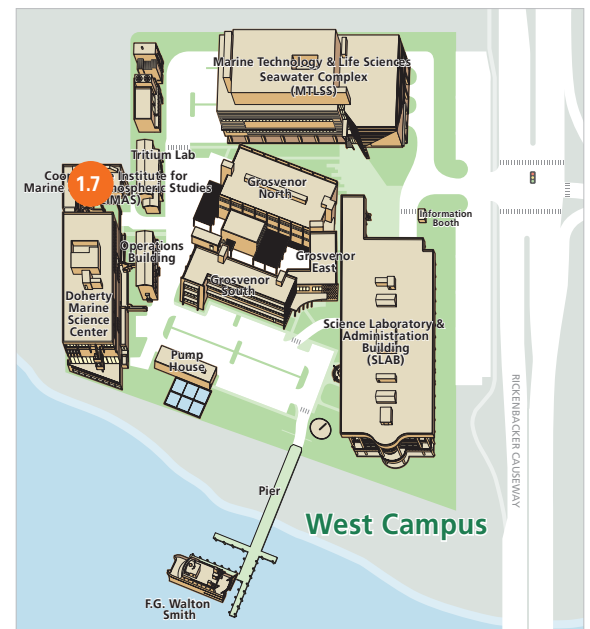


1.7

Cooperative Institute for Marine & Atmospheric Studies (CIMAS)

Architect unknown, 1980 9,888 SF

CIMAS brings together the research resources of its partner Universities (including UM/RSMAS) with those of NOAA in order to understand the Earth's oceans and atmosphere within the context of NOAA's mission.



West Campus



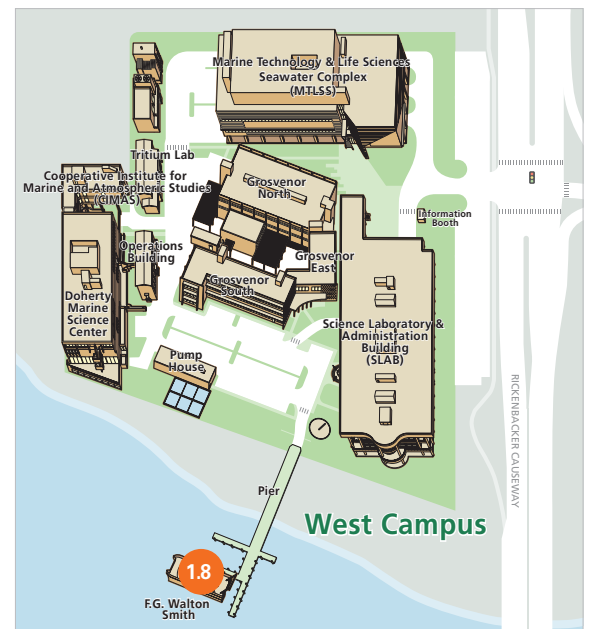
1.8

R/V F.G. Walton Smith

The school's primary research vessel is the custom designed F.G. WALTON SMITH, named in honor of the school's founder. The Smith was placed in service in February, 2000.

The state-of-the-art 96-foot-long catamaran is capable of reaching speeds of over 10 knots and has a draft of only 7 feet enabling it to explore inaccessible areas such as reefs, mangroves, grassbeds, and other shallow environments. The vessel accommodates 20 people and encompasses 800 square feet of laboratory space, as well as an additional 800 square feet of multi-use space astern. Constructed by Eastern Shipbuilding Group in Panama City, Florida, the catamaran boasts twin Cummins engines at 760 hp each, Servogear variable pitch propellers, a 3,000-gallon tank of fresh water plus a reverse osmosis water maker, and 10,000 gallons of fuel storage.

The vessel also has the capability of dynamic positioning for precise station keeping, using bow thrusters, controllable pitch propellers, and independent rudders. Other specialized instruments include a transducer suite that includes ADCP transducers for measuring ocean currents; a moon pool between the hulls for drilling or coring operations; and a notched stern to facilitate maneuvering equipment into the water.



West Campus

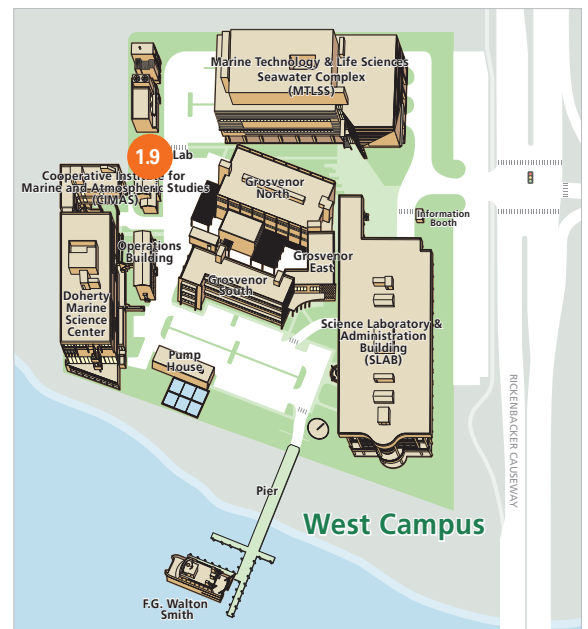


1.9

Tritium Lab

Architect unknown, 1962 4,909 SF

The University of Miami Tritium Lab is a world leader in environmental tritium, CFCs and SF6 measurement and analysis in water. The laboratory was founded by Professor Emeritus, Dr. Göte Öslund in 1964. The building also houses faculty and staff offices.



West Campus



1.10

Operations Building

The Operations Building houses staff offices providing maintenance and support throughout the campus.



West Campus



- Experimental Hatchery
- Fish Rearing Pond

East Campus

Tracts A and B





2.1

Experimental Hatchery

The hatchery is located in Tract B across the Rickenbacker Causeway from the main campus. It is used for aquaculture and corals research.



East Campus



2.2

Fish Rearing Pond

A fish rearing pond on Tract A is used periodically.



East Campus

