

GSC Equipment Catalog 2019



MARINE ECOLOGY LABORATORY

The activities carried out in the Marine Ecology and Oceanography laboratory are focused on ecological, biological-fishery and genetic studies from different populations of marine species living in the open sea and intertidal zone. On the other hand, researches in the Marine Ecology Lab also carry studies of interactions between biotic and abiotic factors in marine ecosystems.

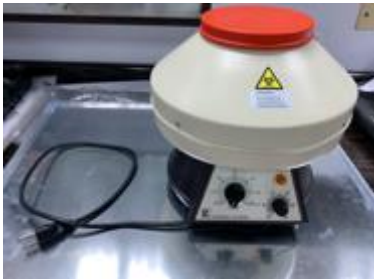



One of the main objectives of this laboratory is to give support to researches and the National Park and create new inter-institutional links for the benefit of the conservation and management of ecosystems.

Major equipment: CTD, generator, salt-water pump, zodiac, and outboard motor.

Equipment catalog




Equipment	Number of units	Function	Picture
VR100 Acoustic receiver, full kit	1	Manual tracking of aquatic animals.	
CastAway CTD	1	Provides accurate conductivity, temperature and depth profiles.	

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<p>Centrifuge PCL series</p>	<p style="text-align: center;">1</p>	<p>Permits separation of samples due to centipede force.</p>	
<p>Analytical balance OAHUS</p>	<p style="text-align: center;">1</p>	<p>Allows measuring samples and materials.</p>	
<p>Stereomicroscope Olympus and MGC-10</p>	<p style="text-align: center;">2</p>	<p>Studies the surfaces of solid specimens like plants and animals.</p>	
<p>MCMURDO Smartfind S20</p>	<p style="text-align: center;">2</p>	<p>Personal AIS search and rescue locating devices.</p>	





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<p>IsatPhone – satellite phone</p>	<p>2</p>	<p>Communication through voice calls or short messages by connecting to orbiting satellites while working in the field.</p>	
<p>Generator YAMAHA ef2600</p>	<p>1</p>	<p>Generates energy power while working in the field (2600 watts maximum power).</p>	
<p>Outboard YAMAHA motor</p>	<p>1</p>	<p>Motor for the zodiac (4 strokes Outboard, 20 hp).</p>	

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Vacuum Pump	1	Pumps air or water out of a sealed container to make a vacuum.	
Domestic Carry on freezer	1	Freezer	
Saltwater pump	1	Pumps saltwater from the ocean to the lab.	 
Zodiac	1	Rubber zodiac used for different projects.	

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<p>Nautilus Radios</p>	<p>2</p>	<p>Underwater radios for diving activities to be used for communications between the divers and the boat.</p>	
<p>Muffle oven</p>	<p>1</p>	<p>A muffle furnace is a front-loading oven design used for high-temperature applications</p>	
<p>Diving tanks</p>	<p>8</p>	<p>Scientific diving</p>	