R/V Savannah  
Shared Use Equipment List  
April 2017

The equipment below is available to ship users per request. Please include a list of the shared use equipment your project requires in the mandatory cruise plan to be completed and submitted to the Skidaway Institute of Oceanography Marine Superintendent at least 15 days prior to your scheduled cruise.

Sediment Samplers

- Single-Spade tube-corer - 30 cm x 7 cm cylindrical core, includes 5 core tubes
- Ocean Instruments Multi-core (MC-400) – Sample Tubes 10 x 60 (cm)
- Standard Ponar Grab – two jaw hinged pivot grab, 23 x 23 (cm) sample area (0.05 m²)
- Large Ponar Grab – 20 x 30 x 60 (cm) sampling area
- Petite Ponar grab 15.2 x 15.2 (cm) sampling area
- Van Veen Benthic grab – two jaw hinged pivot grab for soft sediments, 36 x 28 (cm) sample area (0.1 m²)
- Shipek Bottom Sampler – heavy robust bottom sampler for strong currents and irregular topography, 20 x 20 (cm) sample area (0.04 m²)
- Bottom Lander Frame/Floatation - used for in situ benthic flux experiments

Nets

- Otter trawl – 8.2 m head rope, 1.5 inch mesh STR
- Otter trawl - 3 m head rope, 1.25 inch mesh STR
- Simple Bongo Net – 150 um mesh with 50 cm diameter mouth
- Paired Bongo Net – 50 cm dia., 280 um mesh (n=2) and 950 um mesh (n=1)
- Neuston Net – 1 x 2 x 5 (m), 950 um mesh
- Tucker Trawl - 1 x 4 (m) opening, two nets both 280 um mesh

Sensors

- Transmissometer (25 cm and 10 cm pathlengths) – used on CTD profiler
- In Situ Ultraviolet Spectrophotometer (ISUS) - Optical Nitrate Sensor
- SBE 18 pH probe – used with ship CTD

Acoustics

- T-RDI 1200kHz ADCP for shallow water (<20 m) shipboard current direction and magnitude data collections
• T-Benthos Pinger Locator – model 275XS (includes topside unit DHA-151), Provides full ocean depth pinger locator and tracker (5-80kHz).

• UDB-9000-M Universal Deck Box LF Band (7-16kHz) – This unit will operate all T-Benthos acoustic releases, transponders, pop-up buoys, and telemetry modems. In addition, this unit will operate with EdgeTech/EG&G and University of Rhode Island acoustic releases or transponder in the frequency range of 7-16 kHz.

• Edgetech 4600 bathymetry and side scan sonar system (additional charges and lead time required)

Miscellaneous

• Thermo Scientific Smart2Pure Water Purification System – Portable system that provides water used for various analytical applications in the laboratory (HPCL, IC, ICP, AAS, TOC, etc.)