

## **R/V Savannah Shared Use Equipment List**

**January 2026**

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 m<sup>2</sup>)
- 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 m<sup>2</sup>)
- Shipek Bottom Sampler – heavy robust bottom sampler for strong currents and irregular topography, 20 x 20 (cm) sample area (0.04 m<sup>2</sup>)
- Bottom Lander Frame/Floatation - used for in situ benthic flux experiments
- Large Box corer #1 – 20” x 30” boxes, weight = 1,581lbs w/o boxes, 67” L x 67” W x 93” H
- Large Box corer #2 – 20” x 30” boxes, weight = 1,581lbs w/o boxes, 67” L x 67” W x 93” H

### **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 on CTD profiler

## Acoustics

- T-RDI 300kHz ADCP – maximum profiling range is 160m
- T-RDI 600kHz ADCP – maximum profiling range is 60m
- Knudsen Chirp Model 3260 for sub bottom data collection (3.5kHz and 12 kHz).
- RJE Underwater Location Beacons – model ULB-362C (37kHz) and model ULB-350 (12 kHz)
- T-Benthos Dive Ranger Interogator– model DRI -267-A- receive frequency 25, 26, 27, 28, 29, 30, 31, 32 kHz, transmit frequency 26kHz. System includes Benthos Transponders – model UAT-376 – depth rating 750m and Benthos Top-Side System – ACU-266
- 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.)
- Flow through incubators (3) 1m x 0.75m x 0.5m
- Temperature controlled incubator. 1 chamber.
- Ductless Fume Hood – ACI carbon filter for acids and organic fumes, FOR carbon filter for aldehydes and organic fumes.
- Trace Metals CTD and Winch – special request form upon request
- MOCNESS 1/4m – (9) 202  $\mu$ m nets, (9) 64  $\mu$ m nets, (9) 333  $\mu$ m nets, filtering and non-filtering cod-ends, PKI integration.