



Seafloor Mapping Lab

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Full Service Rate Methodology

Effective Date: 2/1/09

The Seafloor Mapping Lab (SFML) Specialized Service Facility (SSF) Full Service rate is based on research vessel usage with the full suite of specialized geospatial instrumentation and software aboard the vessel for multibeam sonar survey work. SSF personnel costs in the rate include: 1) a full-time boat captain, who is responsible for operating and maintaining the research vessel, 2) staff time required to install, calibrate, maintain and develop procedures for using SSF instrumentation, hardware, data management and software, 3) a portion of the Director's time in managing this service, and 4) a portion of the Budget Analyst's time in administratively supporting this service. Science crew members responsible for data acquisition and processing are project-specific and not included in this rate. Data acquired aboard the research vessel are cleaned in a lab using computers and servers with specialized software that require maintenance agreements and updates. Included in the SFML SSF Full Service Rate are:

- Specialized service center personnel cost, i.e., full-time Boat Captain, part-time Budget Analyst and Director, personnel cost associated with calibration tests, Information Technologist, who is utilized for calibration tests, purchasing, maintaining, and training associated with the specialized software and hardware in the lab where data are processed.
- Supplies, including hard drives and other digital data media for data storage.
- Fuel for boat, SFML van, and SFML truck. All are used in data acquisition process.
- Telephone costs for wireless access while conducting field work and for communicating by Director with staff in the field.
- Postage related to SFML
- Travel for Director and Sr. Research Associate(s) related to SFML activities and for required training specific to SFML.
- Vehicle expense related to repair and maintenance of research vessel with full service rate, SFML van for transporting crew to field launch sites, and SFML truck and trailer for transporting boat to launch sites.
- Maintenance agreements for specialized geospatial scientific instrumentation and software, including possible agreements for data storage and data backup.
- Repairs to SFML lab/office, Full Service research vessel, and scientific instrumentation.
- Advertising costs related to hiring SFML personnel, e.g., Boat Captain.
- Non-Capitalized equipment – required for SFML lab and related to research vessel with Full Service rate