



CSAS Research and Field Education Support: Fees and Policies

The Center for Snow and Avalanche Studies (CSAS) enables and facilitates interdisciplinary mountain system research and field education with our Senator Beck Basin Study Area (SBB) permit and infrastructure, Core Data, and personnel through the following services:

- CSAS obtains US Forest Service approvals for research projects under its SBB Special Use Permit,
- develops and maintains the purpose-built and uniquely comprehensive SBB infrastructure,
- provides project planning and support services before, during, and subsequent to field campaigns,
- installs and operates project-specific instrumentation,
- provides snow safety and risk management expertise to visiting research teams working in SBB, and
- provides classroom content and field sessions to academic field camps.

Numerous successful research projects have been conducted at SBB since the study area was established by CSAS in 2003 resulting in significant publications and several graduate degrees.

On site research projects and other teams "at a distance" utilize CSAS's comprehensive SBB Core Data to augment their project-specific data, or datasets from other study sites.

CSAS has established the following fee structure for research and field education support services in order to maintain, operate and enhance the extensive infrastructure at Senator Beck Basin, retain the staff necessary to provide high quality field support services to the research community, sustain our SBB mountain system monitoring programs and Core Datasets, and to offer field education support services. We require all funded research projects to comply with the fee structure and payment policy described below. CSAS does not have the resources to defer or "float" expenses incurred while supporting funded research projects. CSAS may, at its discretion, elect to provide reduced services for underfunded pilot projects.

Our intent with this fee structure is to obtain an appropriate, predictable, and equitable level of CSAS and SBB support from a given research project or field camp that is commensurate with the value of CSAS services provided. We do not seek to unduly burden a particular project or, conversely, allow some projects or groups to shift the

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financial burden onto others. Our greater goal, to which other kinds of CSAS clients and supporters are also contributing, is to ensure that SBB and CSAS staff can continue to serve as valuable assets to the mountain research and field education community.

Research projects using SBB as a field venue under our USFS Special Use Permit will prepare a research summary describing the project's goals, study area utilization, and expected science outcomes. PIs will also work with CSAS to develop a Scope of Work between the PI's institution and CSAS describing the duties of the investigator(s) and the services to be provided by CSAS, under the following CSAS fees:

- Required: \$2,500 per year for utilization of the SBB Special Use Permit and infrastructure, payable annually upon receipt of the project award.
- CSAS staff services, including pre-award services, as requested and utilized under a fee for services Scope of Work at the following rates, payable monthly (commencing with award):
 - project-specific instrumentation or infrastructure planning, design, installation, and operation services at \$75 per man hour;
 - project-specific field data (i.e., snow profiles), photography, or field sample collection and management at \$75 per man hour;
 - project field campaign planning and on-site risk management services at \$75 per man hour.
- Reimbursements for CSAS vehicle usage at GSA rates (20 miles RT to SBB, from Silverton), payable monthly, and
- Reimbursements for project supplies and materials purchased by CSAS at cost plus 25%, payable monthly.

At a Distance research projects utilizing SBB datasets (only):

- SBB Core Data are provided to Principle Investigator upon project award.
- Custom datasets derived from SBB data can be prepared by CSAS at \$100/hour.

Field Education Camps and Classes:

- Classroom support, including lecture preparation, and field session support: \$75/hour, or \$600/day, payable at time of field camp.

CSAS Research Support Fee Payment and Data Use Policies:

- CSAS services will be discontinued, project-specific instrumentation will be returned to the PI, and other CSAS infrastructure may be dismantled or repurposed if, without prior CSAS approval, research projects using SBB as a venue become delinquent for 60 days or more in fee payments specified in the project Scope of Work.
- Researchers using SBB Core Data will abide by the "Guidelines for Acceptable Use of Data" document, available upon project award.