

Kluane Lake Research Station

Kluane Lake Research Station (KLRS) is located near the Alaska Highway, 220 km northwest of Whitehorse, Yukon, on the south shore of Kluane Lake. The extreme elevation difference between Kluane Lake and the crest of the St. Elias Mountains establishes a strong gradient in environmental attributes and results in a remarkable diversity of research opportunities within a small geographical area. This diversity is reflected in the unique scientific legacy of KLRS.

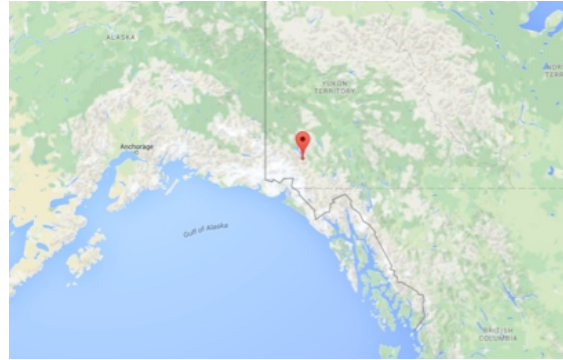


Photo credit: Goodwin

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Owner

[Arctic Institute of North America, University of Calgary](#)

Membership

Regular Member

Website

www.arctic.ucalgary.ca

Latitude

61.02759208

Longitude

-138.4104501

Location

KLRS facilitates access for scientists to the largest non-polar icefield in the world.

Nearest Community

Destruction Bay and Haines Junction

Territory/ Province

Yukon

Aboriginal Government/ Homeland

www.cafn.ca

www.kfn.ca

www.whiteriverfirstnation.com

Facility Type

Year-Round Research Station

Research Hinterland

Alpine, Discontinuous Permafrost, Glacier, Taiga / Boreal Forest, Transitional Zone

Main Research Disciplines

Climatology, Environmental Sciences, Geodesy, Geology and Sedimentology, Geophysics, Geocryology, Geomorphology, Glaciology, Human Biology/Wellness, Hydrology, Isotopic Chemistry, Sociology, Soil Science, Terrestrial Biology/Ecology, Traditional/Aboriginal Knowledge

Research History

The major projects at KLRS have included high altitude physiology on Mt. Logan, drilling of ice cores and climate studies, geophysical studies of glaciers and landforms, a 35+ year multidisciplinary study of the boreal ecosystem and monitoring program.

Current Projects

Includes: modeling for the thinning/receding mountain glaciers, surface velocities, analysis of hydrology and sub-glacial microbial biomass, small mammal monitoring, plant community structure, socio-economic importance of Kluane Lake watershed to immediate communities.

Power

Generator, Solar

Communications

Telephone, Satellite phone, VHF, Internet, Computer, Printer/Scanner, Fax

Local Transportation

Van shuttle available from Whitehorse International airport

Equipment Storage

Large storage lockers, not-heated.

Dormitory/Sleeping Facilities

Comfortable, heated cabins shared by 2- 4 researchers/cabin

Dining/Kitchen Facilities

Communal messhall with set meals provided April 1 to September 30. Self catered options for winter months.

Laboratory Facilities

Wet and Dry Lab, including fume hood, drying ovens, scales, freezers and refrigerators.

Fuel Availability

Propane, diesel and gasoline available in closest communities (50 km)

Research Requirements

Permit required: Scientists and Explorers License www.tc.gov.yk.ca/scientists_explorers.html

Special Rules and Regulations

Participation in community outreach events is encouraged for all field teams. Contact Station Manager for list of current opportunities.

Local External Resources

Partnerships and facility sharing established with Yukon College and Kluane National Park.

Nearest Medical Service

Haines Junction Health Center (65km) and ambulance service. Airstrip at KLRS is maintained for medevac planes.

Safety Considerations

Each field team is responsible for their safety plan. We recommend filing the safety plan with the station manager, along with emergency contact for all field team members. Bear safety videos are available for viewing at the station. Bear spray canisters can be rented at the station. Firearms are not permitted for areas within Kluane National Park. Daily check in via satellite phone or tracking device is monitored from the station. We recommend First Aid Training.

Cost

www.arctic.ucalgary.ca/kluane-lake-research-station

Other Information

N/A

Last Updated

2015-05-30