

## Scotty Creek Field Station

Scotty Creek Research Station was founded in 1999, with Scotty Creek draining 152 km<sup>2</sup> area of high boreal forest continuing discontinuous permafrost, with a high concentration of wetlands. Because the permafrost is relatively warm, thin and discontinuous, permafrost thaw is widespread. This is leading to a transformation of forested terrain to permafrost-free, tree-less wetlands. The research station is well equipped with Weatherhavens, internet, electricity, and a wide selection of scientific equipment around the watershed.



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**Owner**  
[Wilfrid Laurier University](http://www.wilfridlaurier.ca)

**Membership**  
Regular Member

**Website**  
[www.scottycreek.com](http://www.scottycreek.com)

**Latitude**  
61.18

**Longitude**  
-121.18

**Location**  
50 km south of Ft. Simpson

**Nearest Community**  
Fort Simpson

**Territory/ Province**  
Northwest Territories

**Aboriginal Government/ Homeland**  
N/A

**Facility Type**

Seasonally-Operated Research Station, Seasonally-Operated Field Camp, Site for Observing/Monitoring

**Research Hinterland**

Discontinuous Permafrost, Forest, Freshwater, Interior, Lake, Ponds, Riparian, Streams, Taiga / Boreal forest, Terrestrial, Thermokarst Pond, Transitional Zone, Wetland

**Main Research Disciplines**

Biochemistry, Climatology, Environmental Sciences, Geocryology, Geomorphology, Hydrology, Isotopic chemistry, Limnology, Terrestrial biology/ecology

**Research History**

Research at this site in 1999 and has carried on to this day, with research focussed on permafrost and hydrology. Wilfrid Laurier University currently operates this site as part of the GNWT-Laurier Partnership and as one station of the CFI funded Changing Arctic Network. Research focus is expanding from primarily hydrological to consider many aspects of the environment including water quality, terrestrial ecology, permafrost melt, and carbon fluxes for example.

**Current Projects**

Permafrost thaw impacts on hydrology, ecology and atmospheric processes.

**Power**

Generator, Solar

**Communications**

Satellite phone, Internet, Computer

**Local Transportation**

Snowmobile, helicopter, floatplane

**Equipment Storage**

N/A

**Dormitory/Sleeping Facilities**

Sleeping tents

**Dining/Kitchen Facilities**

Yes

**Laboratory Facilities**

Yes

**Fuel Availability**

N/A

**Research Requirements**

NWT Science Licence

**Special Rules and Regulations**

N/A

**Local External Resources**

N/A

**Nearest Medical Service**

Fort Simpson

**Safety Considerations**

First Aid, Firearms Safety, Bear training

**Cost**

N/A

**Other Information**

N/A

**Last Updated**

2016-05-27