

Category	Sub-Category	Canadian High Arctic Research Station (CHARS)
Website		www.Science.gc.ca/CHARS and www.Science.gc.ca/SCREA
Country		Canada
Opening year		2017
Operational period		Year-round
Permitting issues categories	Permits required for access to the station Permits required for studies Contact (permit issues)	- Several kinds of permitting and local consultations required Contact CHARS staff min. 6 months prior to the field season to ensure ample time for preparing the type of research proposed
Facility owner and manager	Name of the facility owner Owner status Institution responsible for managing the station Contact (access to station) Website (institution)	Government of Canada Government Canadian High Arctic Research Station CHARS-SCREA@aan-dc-aadnc.gc.ca www.Science.gc.ca/CHARS and www.Science.gc.ca/SCREA
Other institutions	Name Country	- -
Location	Geographical coordinates Altitude of station Min. altitude within study area Max. altitude within study area Nearest town/ settlement Distance to nearest settlement Map	69°07' N, 105°03' W 20 m a.s.l. 0 225 m a.s.l. Cambridge Bay, Nunavut (population: 1600) 0 km Maps are in development
Climate	Climate zone	Low Arctic (Zone D - CAVM map)
	Permafrost	Continuous
	Years measured	Since c. 1950
	Mean annual temperature	-13.9 °C
	Mean temperature in February	-32.5 °C
	Mean temperature in July	8.9 °C
	Mean annual wind speed	5.4 m/s
	Max. wind speed	28.1 m/s
	Dominant wind direction	NW
	Total annual precipitation	141.7 mm
Precipitation type	Snow, rain	
Ice break up	22 July	
Station facilities	Area under roof Scientific laboratories Logistic Number of rooms (beds) Number of staff on station (peak / off season) Max. number of visitors at a time Showers Laundry facilities Power supply (type) Power supply	Under construction Under construction Under construction Under construction Under construction Under construction Under construction Under construction Under construction Under construction
Scientific equipment	Specific device Scientific services offered	To be decided To be decided
Medical facilities	Medical facilities Medical suite No. of staff with basic medical training or doctor Distance to hospital (estimated time) Compulsory safety equipment Recommended safety equipment	Medical clinic Fully equipped clinic Clinic has one doctor and many trained nurses; serious cases are medivaced to Yellowknife 0 km First aid kit and staff training; local Inuit guide Firearm
Landing facilities	Airstrip (Length × Width) Airstrip surface Helipad Ship landing facilities	1547 m; lands Boeing 737, Hercules, etc Gravel Yes, many Dock for up to 20 m boat; protected bay for mooring large vessels
Vehicles at station	Sea transportation Land transportation	Access to 22 m research vessel – Marty Bergmann; 18' skiff ATVs, trucks, snowmobiles
Transport and freight	Transport to station Number of ship visits per year (period) Number of flight visits per year (period)	Air freight (Canadian North, First Air), annual sea lift, Coast Guard 5 2 daily

