

Spatial coordinates of the study areas (WGS84)

Study area	Latitude range (°N)	Longitude range (°)
Banks Island	71.07–74.56	Entire island: east coast to west coast
Northwest Victoria Island	71.00–73.38	-113.90 to west coast
Bluenose moraine	67.75–69.77	-118.45 to -121.40
Paulatuk region	68.50–70.20	-122.70 to -125.43
Richardson Mountains / Peel Plateau	66.95–68.55	-134.85 to -136.75

Period of analyses

Study area	RTS activity	RTS initiation
Banks Island	1984-2016	1985-2015
Northwest Victoria Island	1984-2018	1985-2017
Bluenose moraine	1984-2018	1985-2017
Paulatuk region	1984-2018	1985-2017
Richardson Mountains / Peel Plateau	2001-2018	2002-2017

Date codes used in the RTS and lake colour change files:

1900: RTS active or lake colour changed at the start of the study area record.

2100: RTS active or lake colour changed at the end of the study area record.

RTS codes used in the RTS files:

C: RTS starts on the coast

L: RTS starts on a lakeshore

R: RTS starts on a riverbank

S: RTS starts on a slope located away from the coast, a river or a lake.