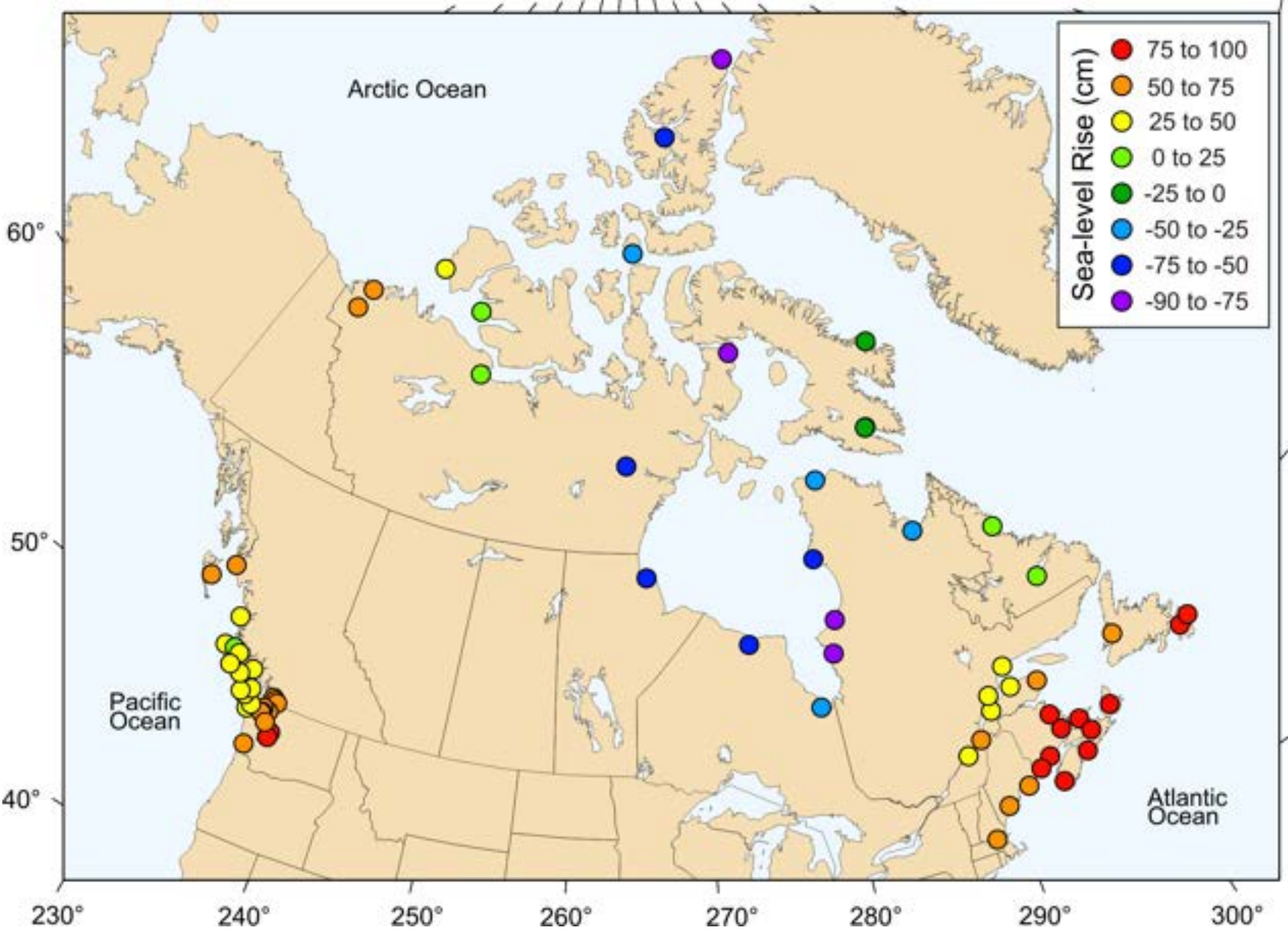
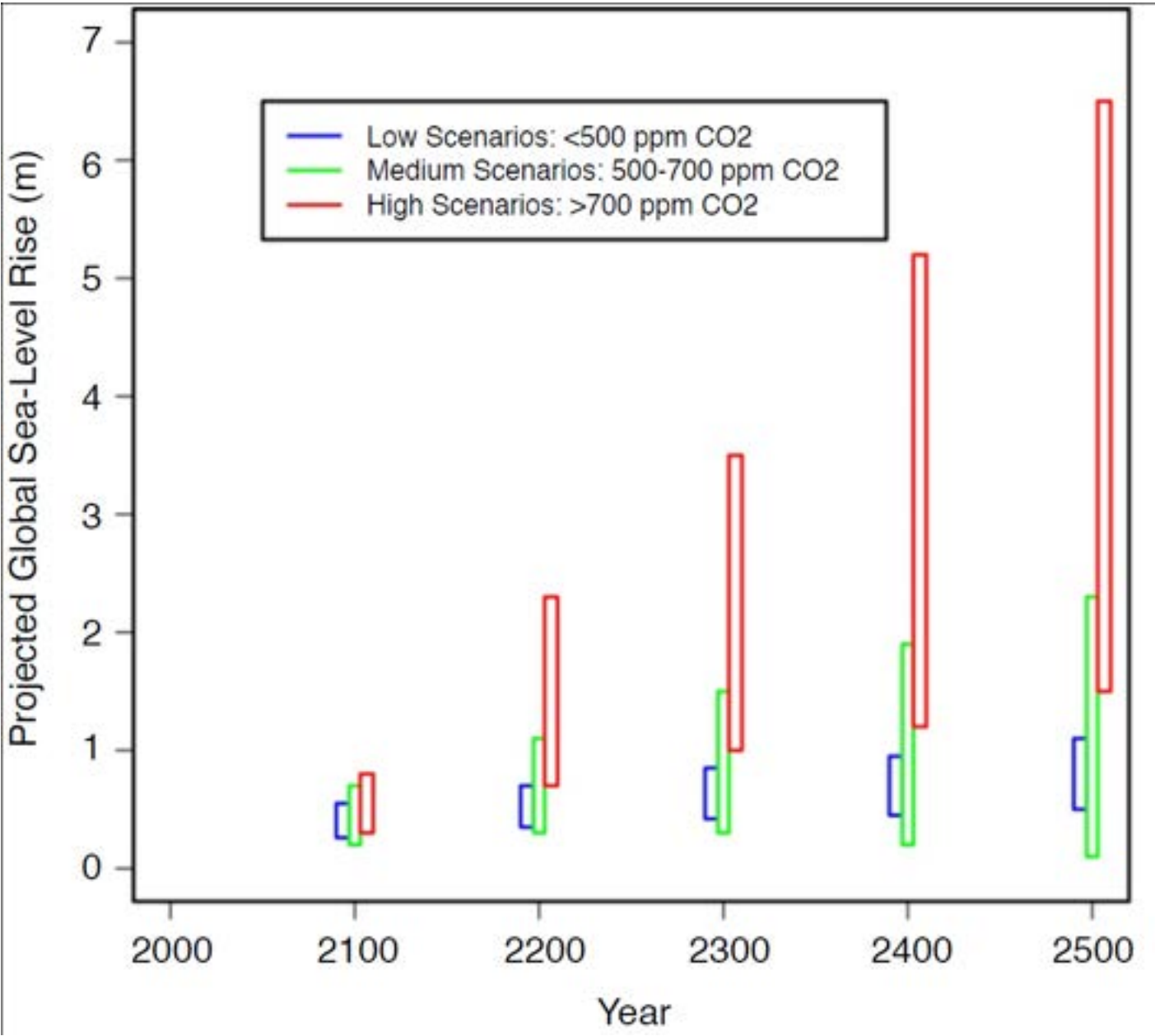

Activity 4—Teacher BLM: Guiding Questions

Guiding Questions

1. In your own words, what is this image trying to convey?
2. What do you notice? Is there anything strange or surprising?
Do you see trends?
3. Can you think of any environmental, economic, or social consequences of this data?
4. On sticky notes, write down any questions you have about this image.





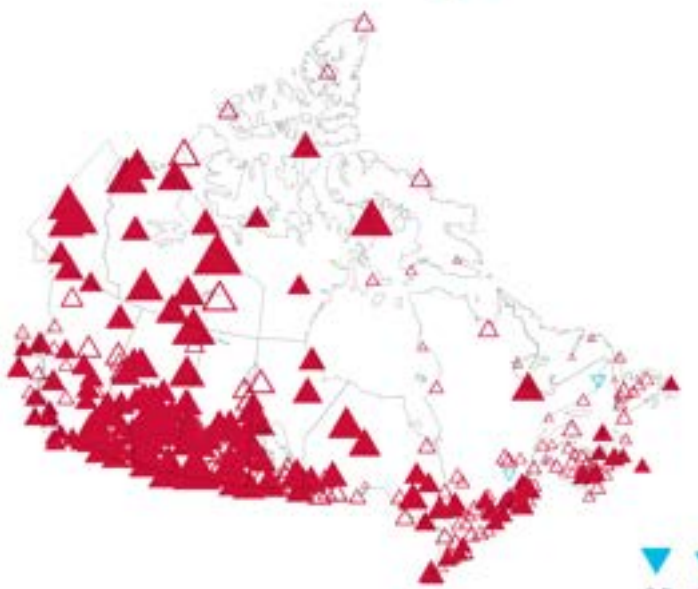
Winter



Summer

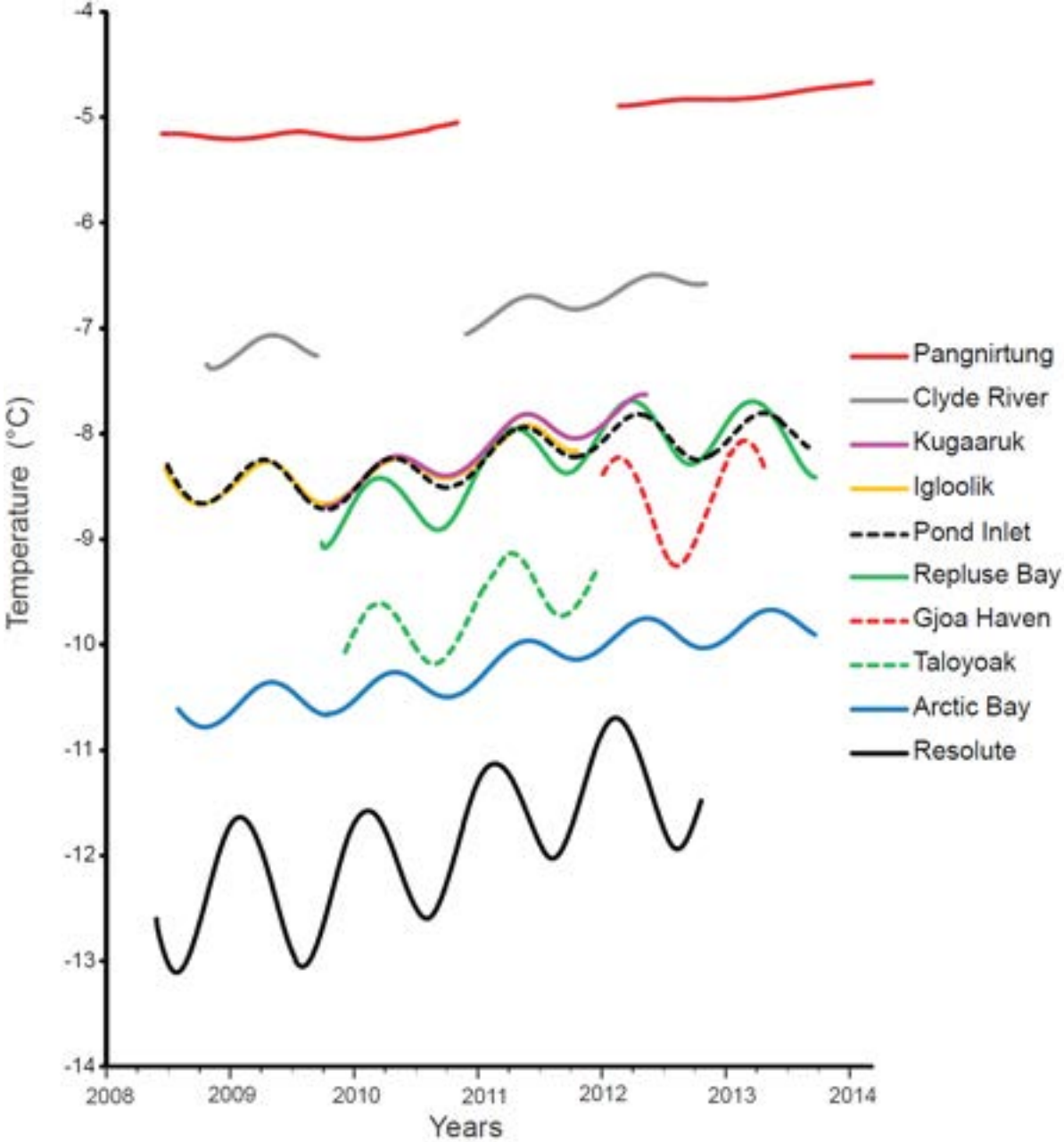


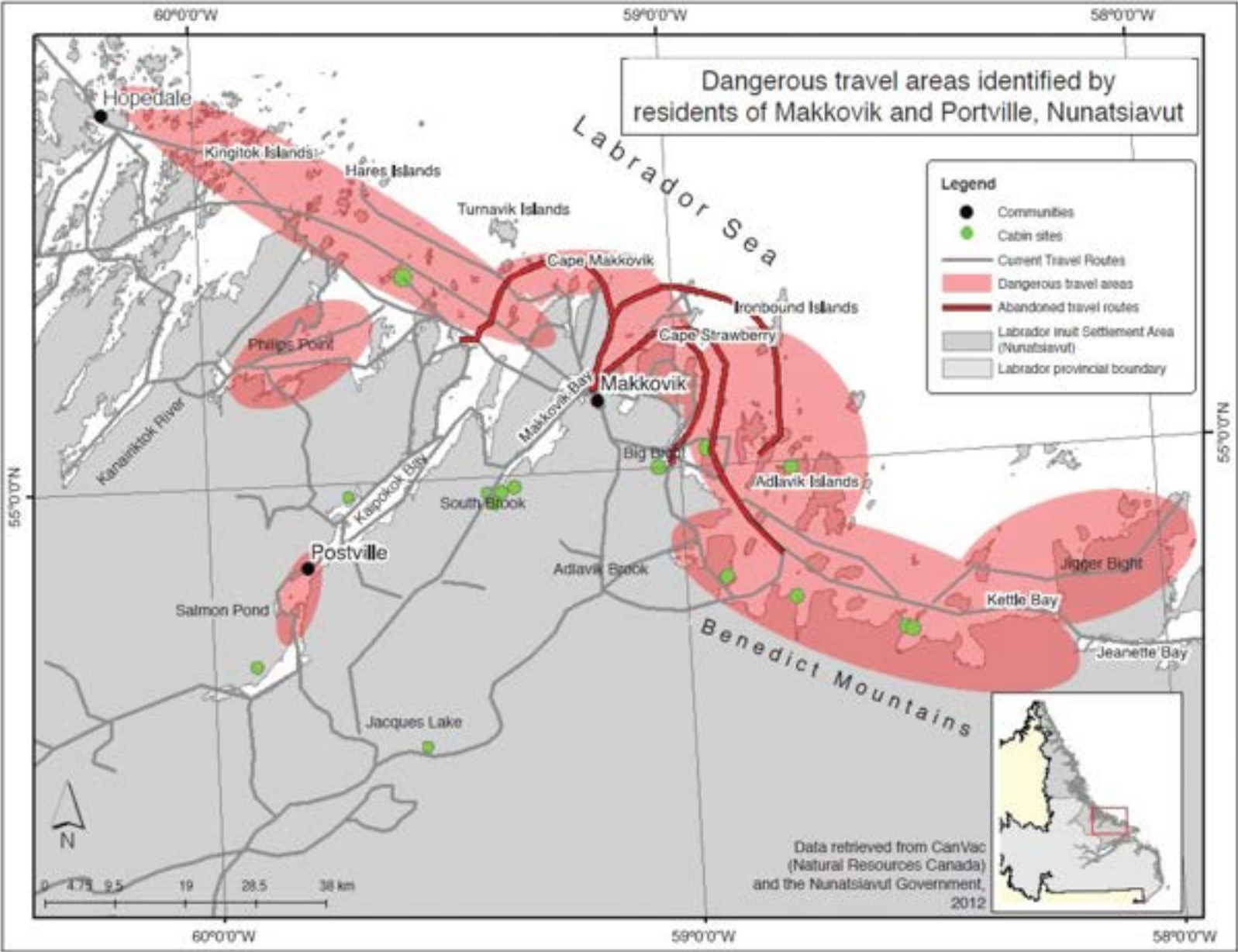
Spring



Fall







Winter



Summer

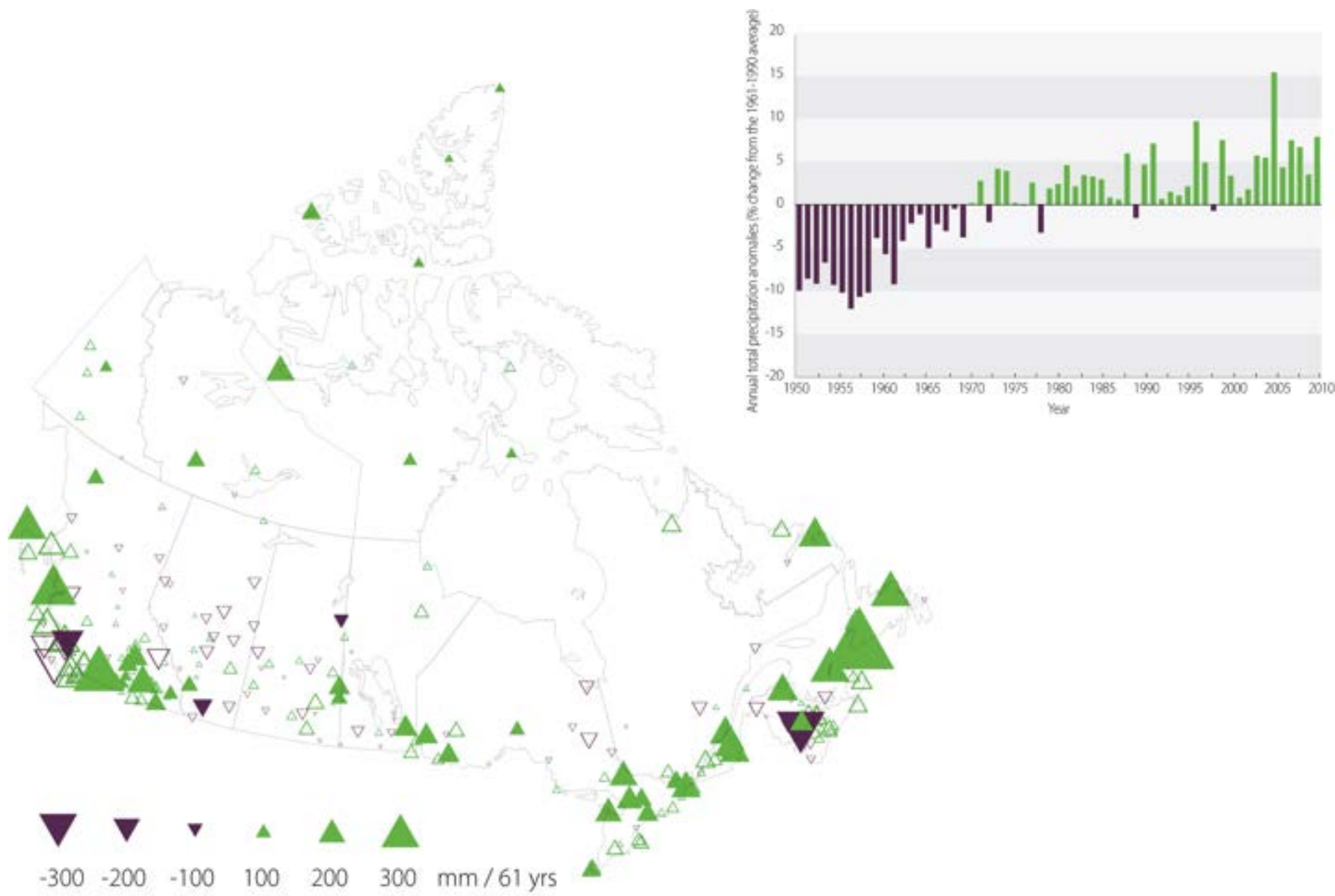


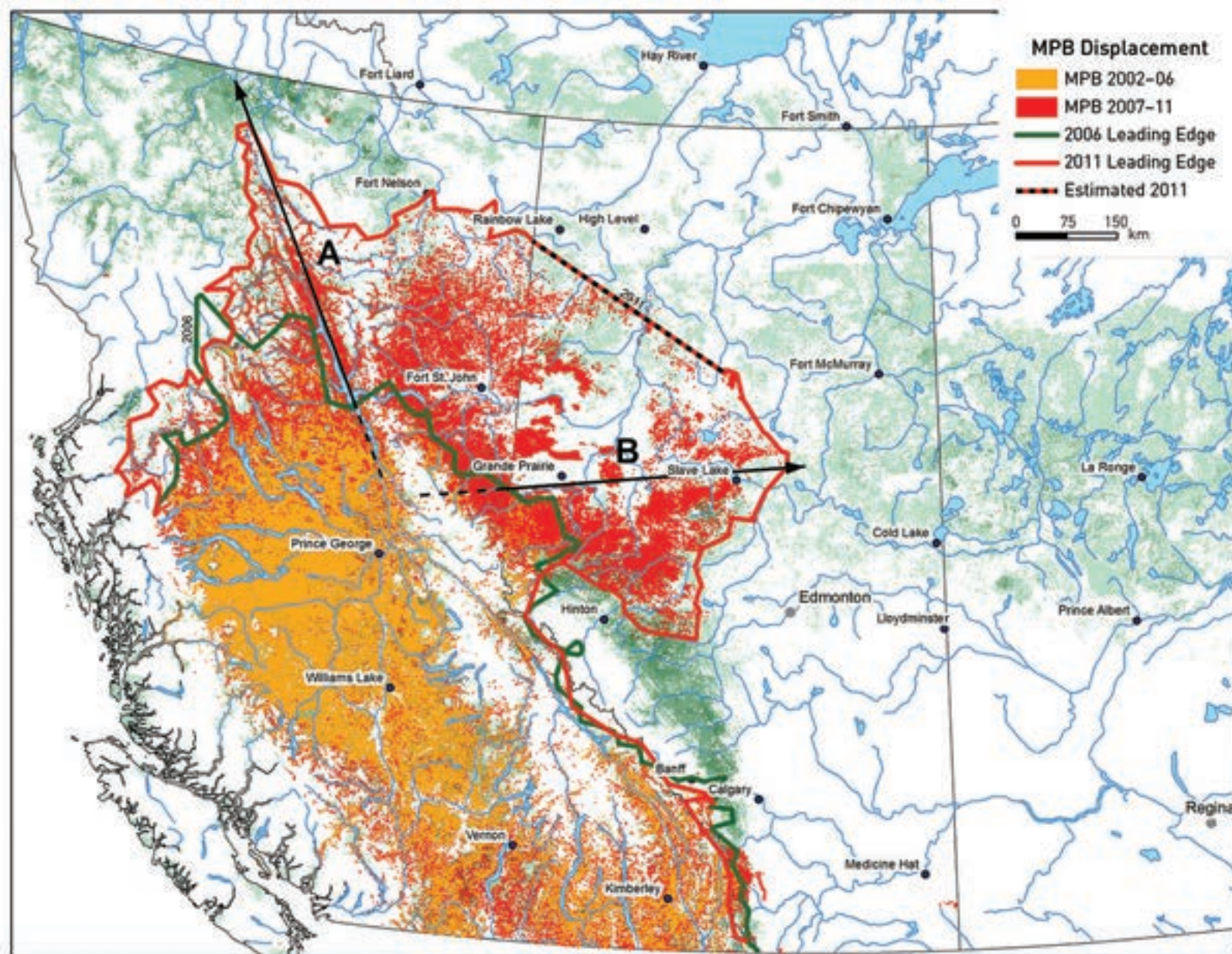
Spring

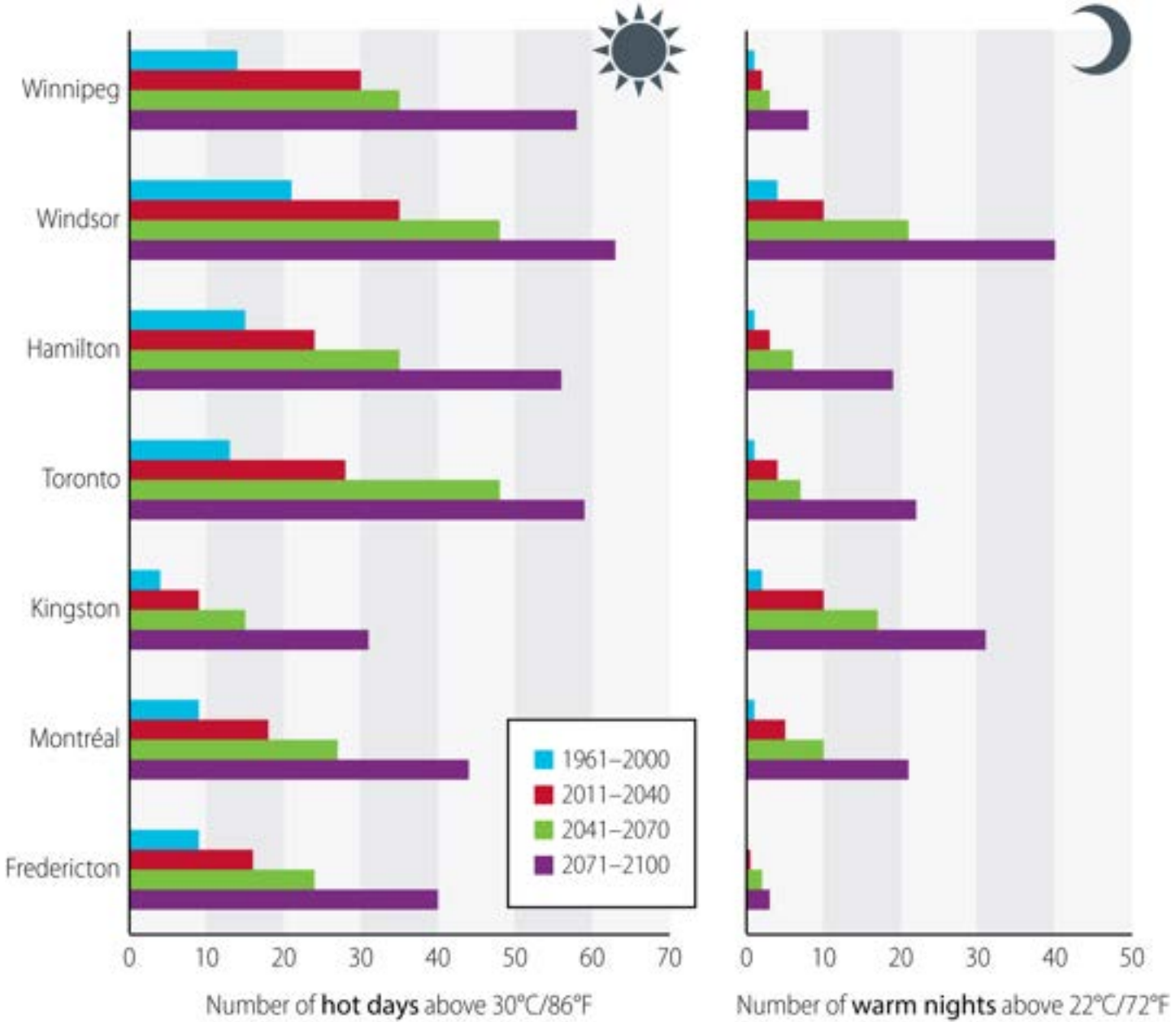


Fall

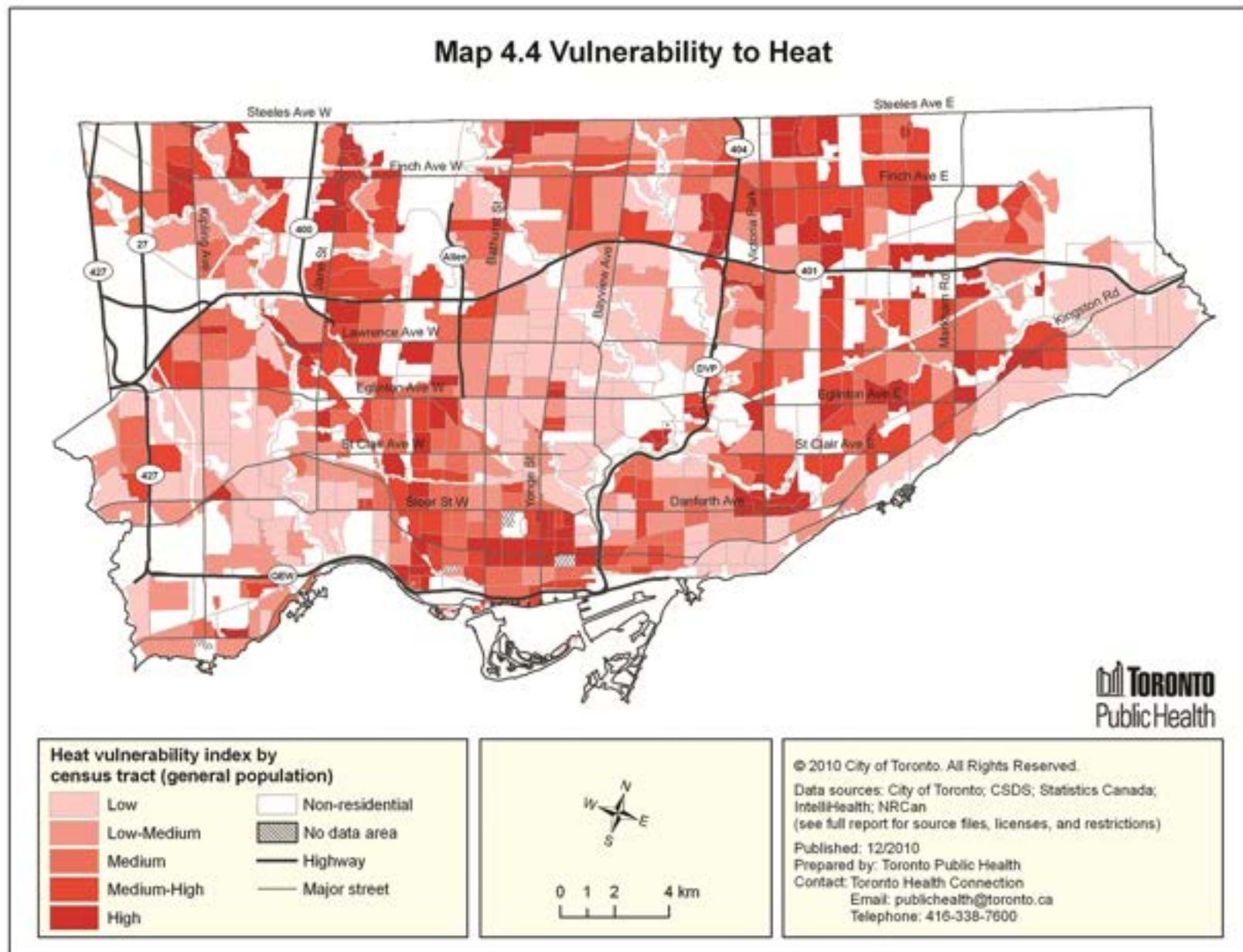


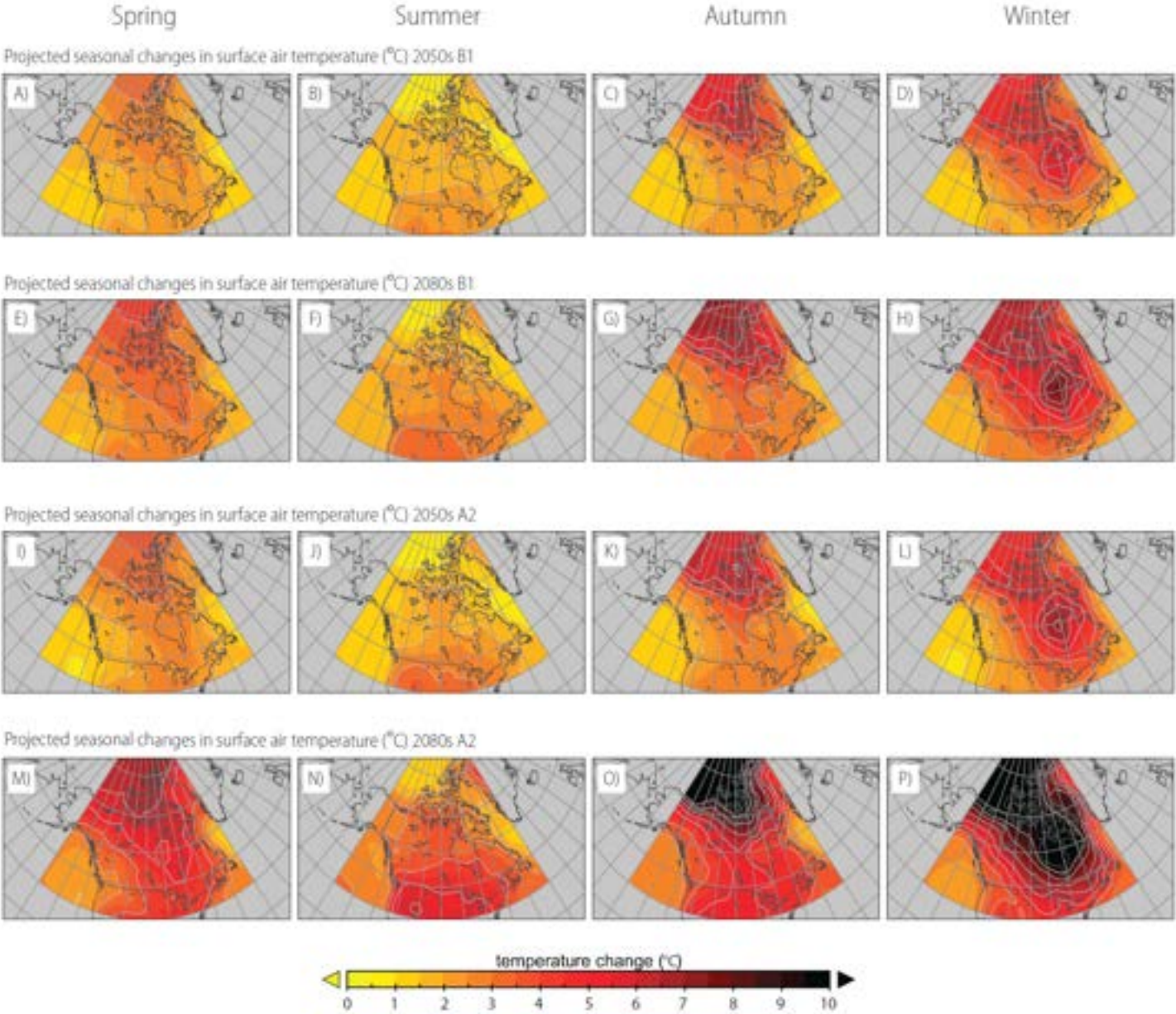


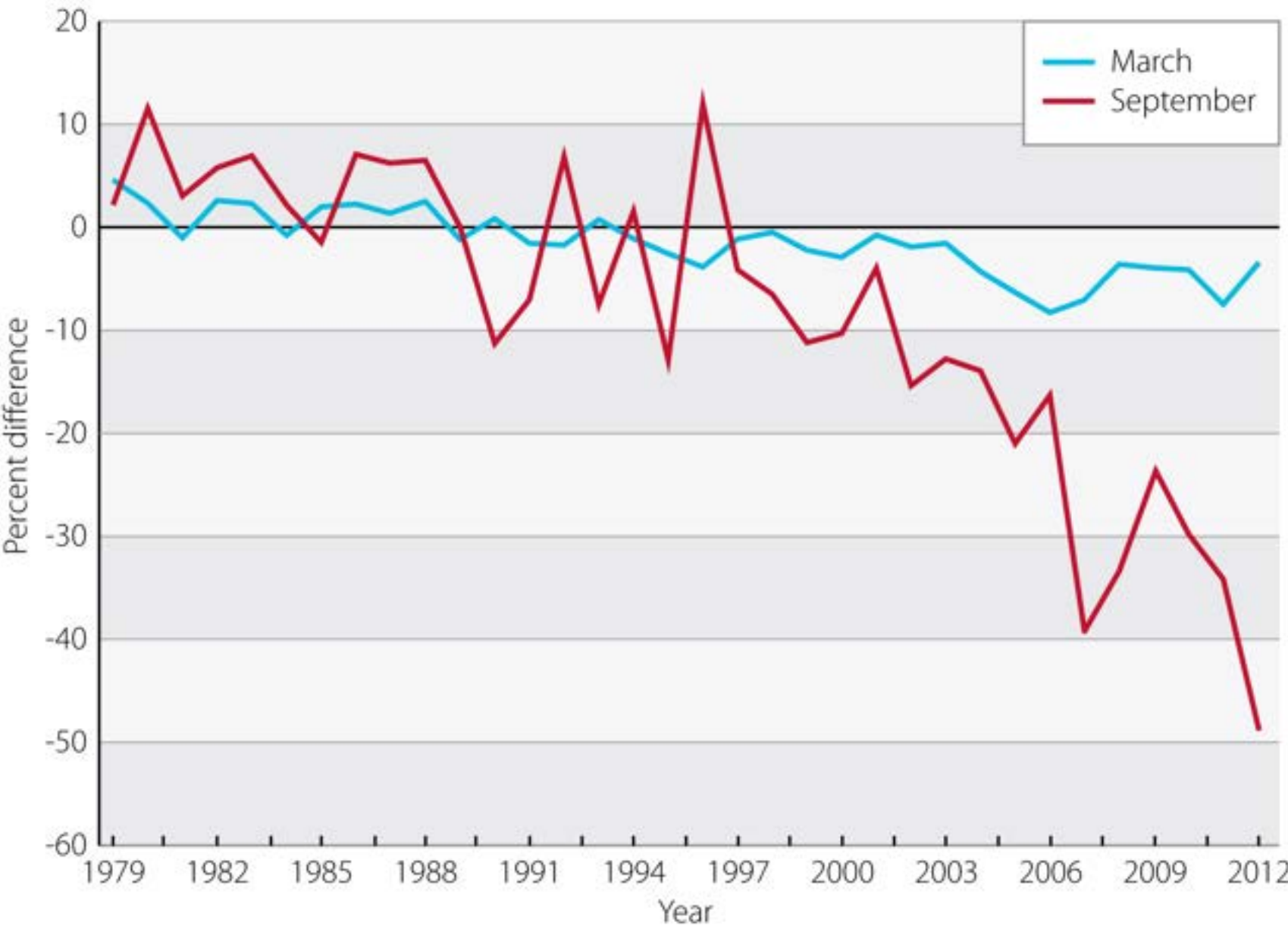


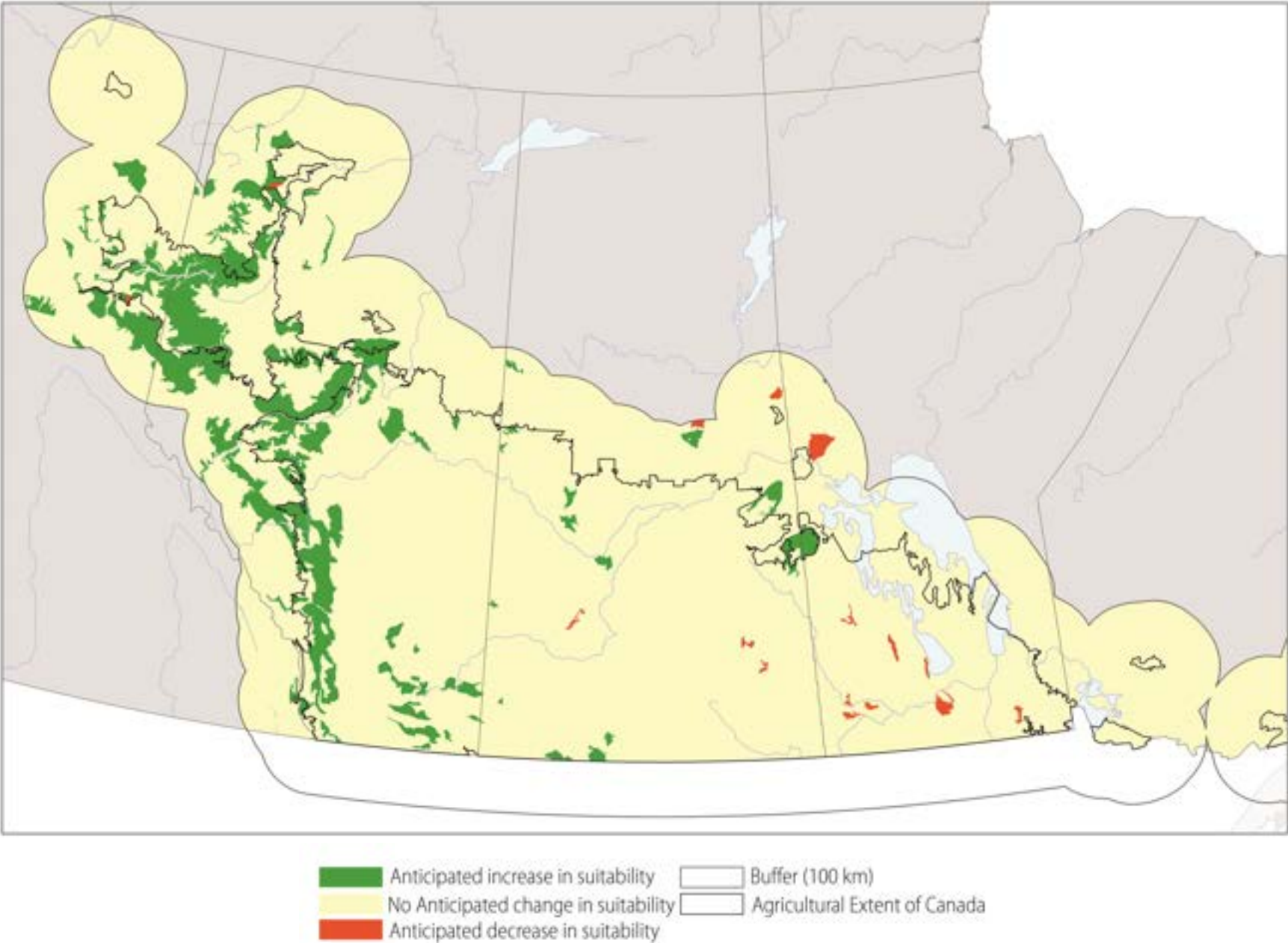


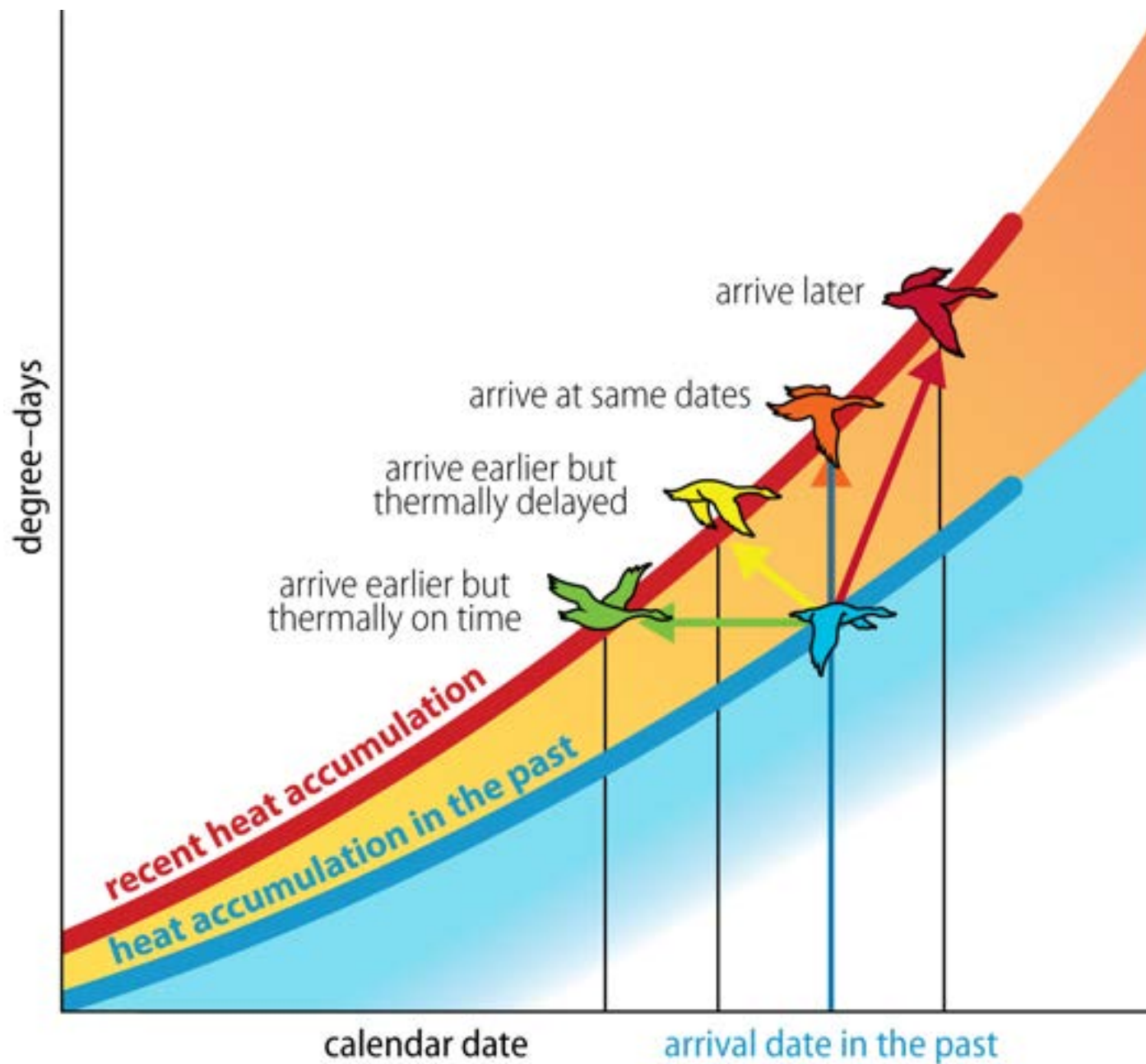
Map 4.4 Vulnerability to Heat

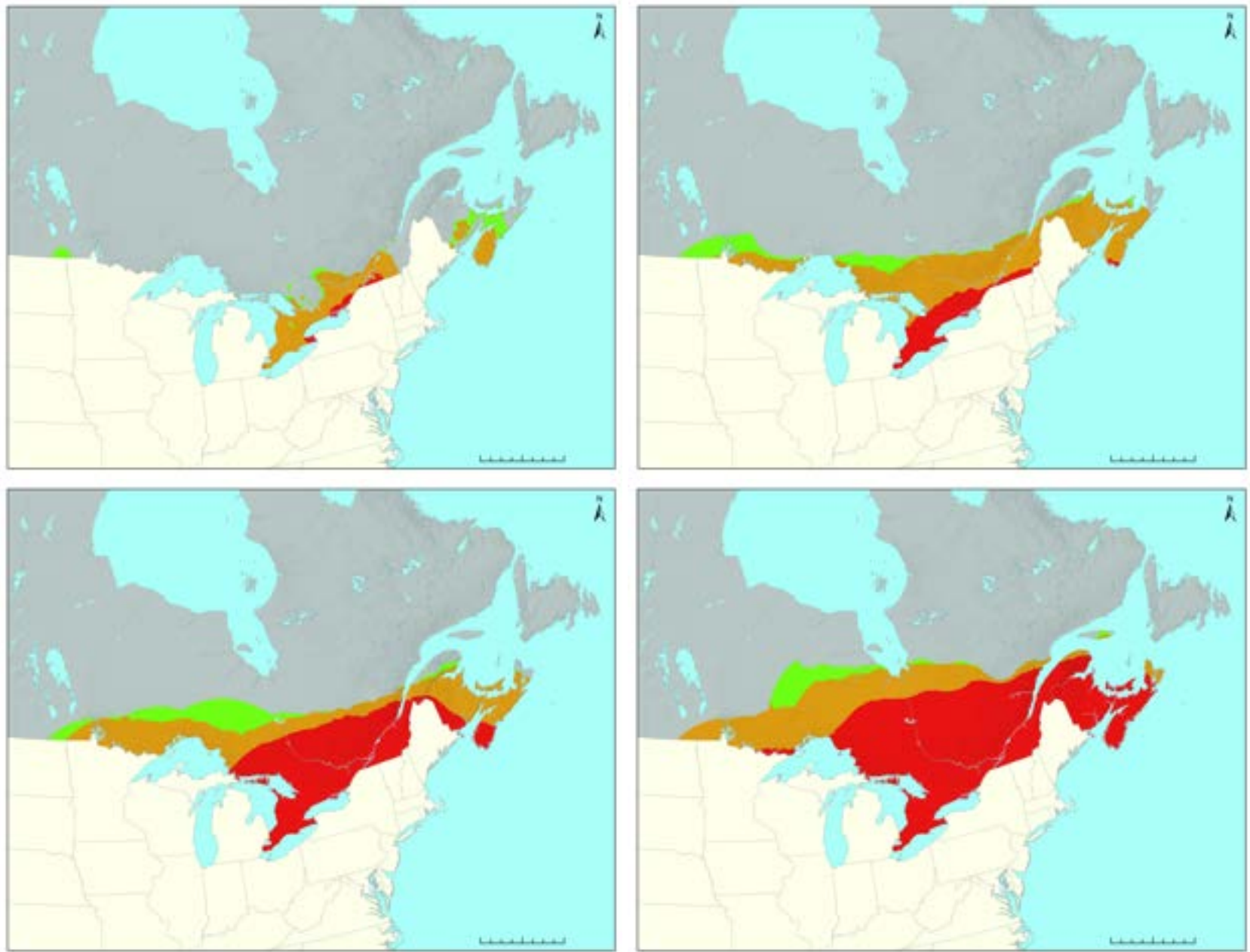












WEATHER

Observations based on traditional knowledge (TK)	Northwest Territories (Inuvialuit Settlement Region)	Nunavut	Quebec (Nunavik)	Labrador (Nunat-siavut)	Quebec (southern Hudson Bay [Cree])	Implications (generalized across communities)
Increasing variability and decreased ability to predict weather	Yes	Yes	Yes	Yes	Yes	Increased danger when travelling on land or ice
Changes in wind velocity, direction and frequency	Yes	Yes	Yes	Yes	Yes	Increased danger when travelling on land or ice; decreased reliability of TK
Increased frequency of thunderstorms and extreme weather events	Yes	Yes	Yes	Yes	No	Increased danger when travelling on land or ice; increased damage to infrastructure; constrained access to resource harvesting; accelerated coastal erosion
Differences in snow: less snow in winter, but more snow in some cases; arriving later in the fall/ winter; lighter and wetter in texture	Yes	Yes	Yes	Yes	Yes	Increased danger/difficulty when travelling on land or ice; constrained access to hunting grounds; changes in hunting routes; decreased reliability of TK; implications for sea-ice freeze-up and break-up, and ice consistency and reliability
Increased storm surges and coastal erosion	Yes	Yes	No	No	No	Increased danger when travelling on land or ice; increased damage to infrastructure; constrained access to resource harvesting; accelerated coastal erosion
Increased rain (usually in fall and/ or spring, summer)	Yes	Yes	No	No	No	Implications for infrastructure; implications for sea-ice freeze-up and break-up, and ice consistency and reliability

TEMPERATURE

Observations based on traditional knowledge (TK)	Northwest Territories (Inuvialuit Settlement Region)	Nunavut	Quebec (Nunavik)	Labrador (Nunat-siavut)	Quebec (southern Hudson Bay [Cree])	Implications (generalized across communities)
Warmer summer (in some communities)	Yes	Yes	Yes	Yes	No	Implications for aging processes of traditional foods; changing flora/fauna; implications for sea ice
Cooler summer (in some communities)	Yes	Yes	No	Yes	No	Implications for aging processes of traditional foods
Warmer winter; fewer cold days; winter starting later	Yes	Yes	Yes	Yes	Yes	Implications for aging processes of traditional foods; changing flora/fauna; implications for sea ice and travel on ice