

Canada is warming at twice the global rate.

(Environment and Climate Change Canada, 2019)

What causes sea-level rise?

Thermal expansion

Warmer water expands. Nearly 50 per cent of sea level rise is from warmer water taking up more space.



Glaciers are warming and melting faster than snow can replenish them.

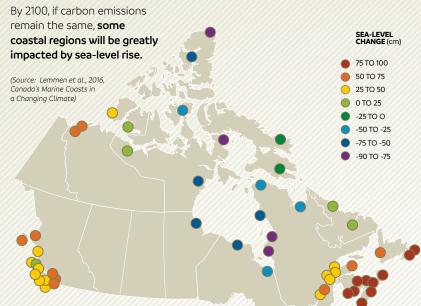


Glacial melt

Loss of ice sheets Massive amounts of ice in Antarctica and Greenland are

disappearing, putting more water into oceans.

Sea-level rise areas of concern



Sea-level stats

- G Canada has 243,000 kilometres of coastline
- 6.5 million Canadians live in impacted areas
- Alberta and Saskatchewan are the only provinces without a coastline

Ice, ice maybe

By 2050, it's possible that **Canada's North** will be ice-free a month (or more) each year

Salt marshes can help.

What wetlands can do:

- act as nature's defence system to rising water levels
- reduce coastal energy

- O lower the amplitude and speed of ocean waves
- mitigate storm damage by absorbing storm energy
- shield coastlines from erosion
- filtrate water by intercepting pollution

