

Sea Levels Are Rising

RELATIVE SEA LEVEL CHANGE

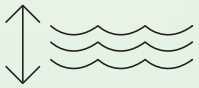


Climate change could raise sea levels 75cm by 2100.

Locations	By 2100 (+cm)
St. John's	76
Baie Verte	52
Port aux Basques	85
Port au Choix	32
Cartwright	43
Mary's Harbour	43
Makkovik	33
Nain	7

The Relative Sea-Level Change values are projected under a high emissions scenario (RCP 8.5 median 50th percentile) by the end of the century.

WHY?



Warming temperatures cause seawater to expand in volume.



Melting land ice increases run-off into oceans.



Sea level rise is amplified in regions where the land is sinking, while it is mitigated by rebound in others.

POTENTIAL IMPACTS



Damage to coastal residences and infrastructure due to storm surge, erosion, and flooding.



Dangers of losing land, culture and valuable archaeological sites are amplified.



Saltwater could infiltrate and contaminate critical freshwater supplies.



Indigenous and rural communities with limited access to health services may experience further disruptions due to storm surge and flooding.