

Severe Ice Storm Over the Maritime Provinces

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GSF Pillar 3 - Climate-Related Precipitation Extremes Winnipeg, Manitoba

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Background

Objective : To investigate the atmospheric conditions, precipitation amounts and types that led to an extreme freezing rain event in the Province of New Brunswick on 24-26 January 2017.

In particular,

- What were the synoptic scale atmospheric conditions and storm track? What were the physical mechanisms associated with the precipitation amounts and types?
- What were the key factors that led to this catastrophic event?
- How these storms will change in the future?



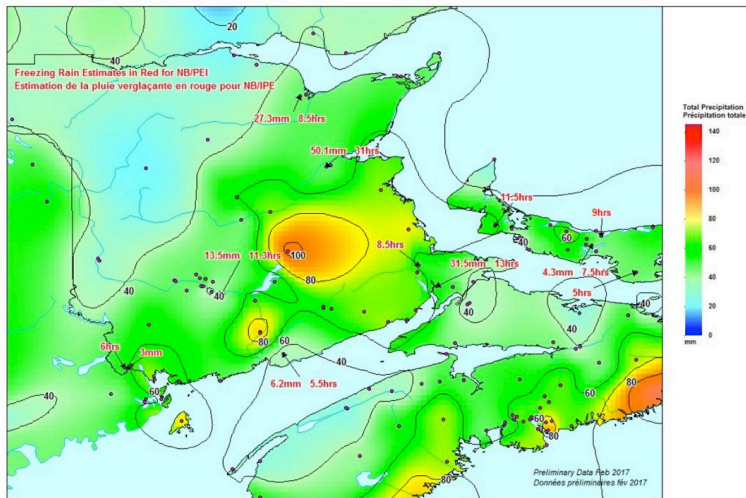
Accumulated precipitation : 22-24 January 2017

Total Precipitation Jan 24-26 2017
Précipitation totale 24-26 jan 2017



Environment Canada
Atlantic Region
Atlantic Climate
Centre

Environnement Canada
Région de l'Atlantique
Centre Climatologique
de l'Atlantique



Source : Environment Climate Change Canada. Atlantic Climate Centre from NB Power

Next steps

- Conduct numerical simulations, compare with observations and put it in perspective with respect to the climatology of the area.
- Extend the study to other storms that caused damages, for example, to NB Power infrastructures.
- Link with other aspects that impacted the population, for example, from health, transportation and economic perspectives.

