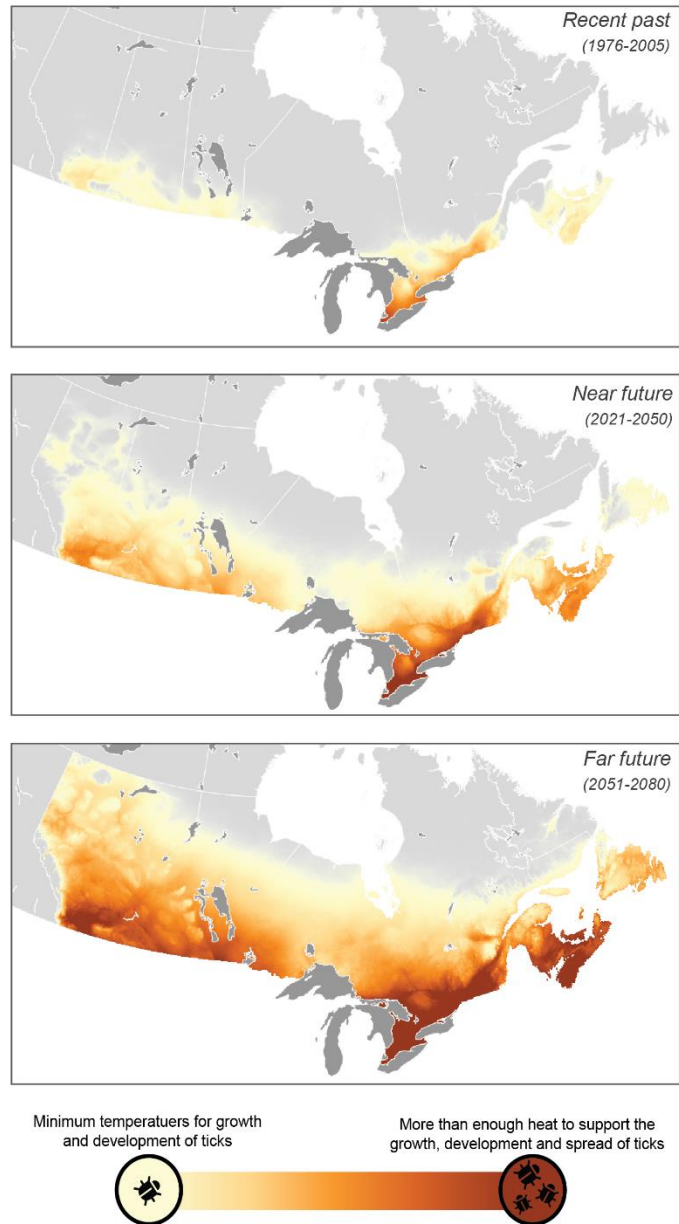


APPENDIX D: CLIMATE CHANGE, TICKS, AND LYME DISEASE RISK IN CANADA

These maps show where temperatures are suitable for the growth and development of blacklegged ticks in future climates if we continue to increase our emissions. Blacklegged ticks can carry Lyme disease. These ticks live in wooded areas, so if you live, work, or play in wooded areas with suitable temperatures, you may be at risk of encountering a tick carrying Lyme disease.



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Temperatures sufficient for the growth and development of blacklegged ticks are at least 2860 degree days (the total of all daily temperatures above 0 °C in a year). The colour scale shows 2860 degree days (yellow) to 4000 degree days (red). This map does not apply to the species of Lyme-carrying ticks that live west of the Rocky Mountains. The climate projections on these maps were made using 24 climate models running the "high carbon" emissions scenario (RCP8.5). Climate model data was downscaled and made available by the Pacific Climate Impacts Consortium (PCIC).

Source: The Climate Atlas <https://climateatlas.ca/lyme-disease-under-climate-change>