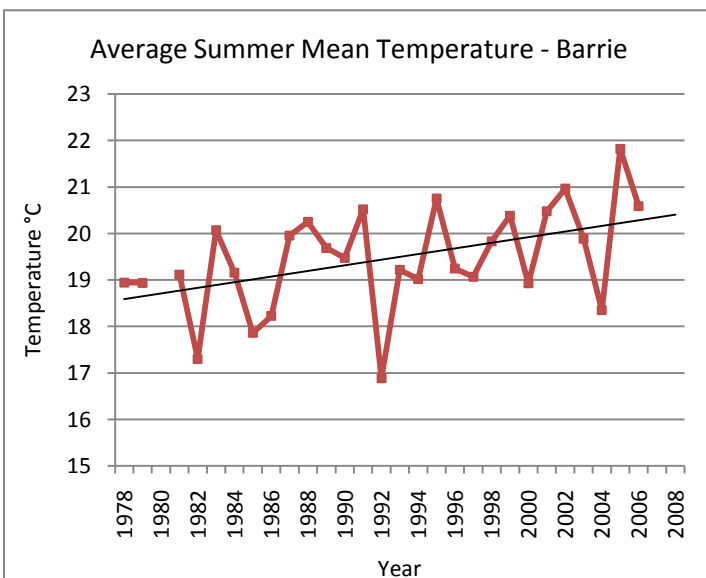
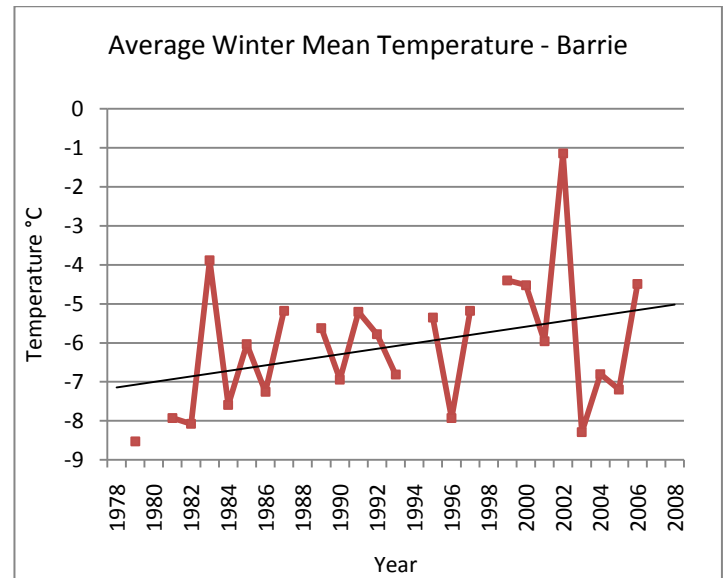
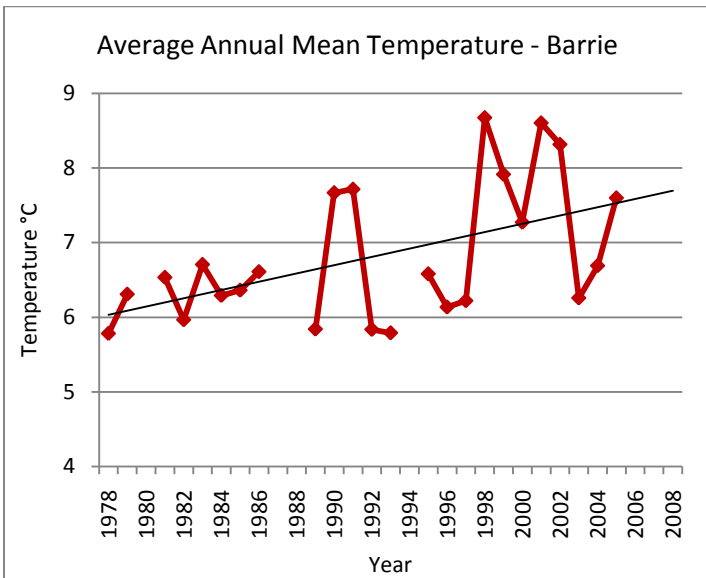


Climate Trends

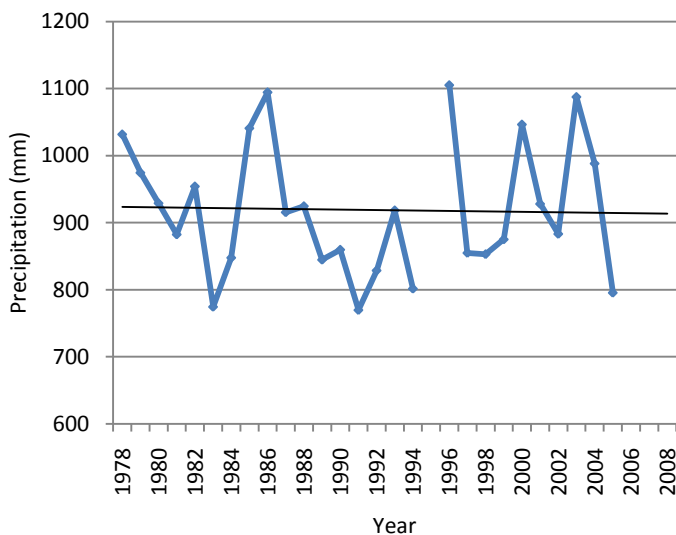
Historical Climate Trends for Barrie, Ontario

Daily climate data from Barrie WCPP weather station, obtained from Environment Canada, was averaged to obtain monthly values for temperature and precipitation (Environment Canada, 2008). Seasonal climate values (winter –DJF and summer – JJA) were calculated by averaging the monthly data. In the following section, temperature and precipitation data, for the years 1956 to 2008, are displayed annually and seasonally (summer and winter). Data was missing from 1980, 1987, 1988, 1994, 2005, 2006, 2007 and 2008. Annual means could not be calculated for these years. Winter means could not be calculated for 1980, 1988, 1995, 2007 and 2008. Summer means could not be calculated for 1980, 1988, 2006, 2007 and 2008. Annual mean for precipitation could not be calculated for 2005, 2006, 2007 and 2008.

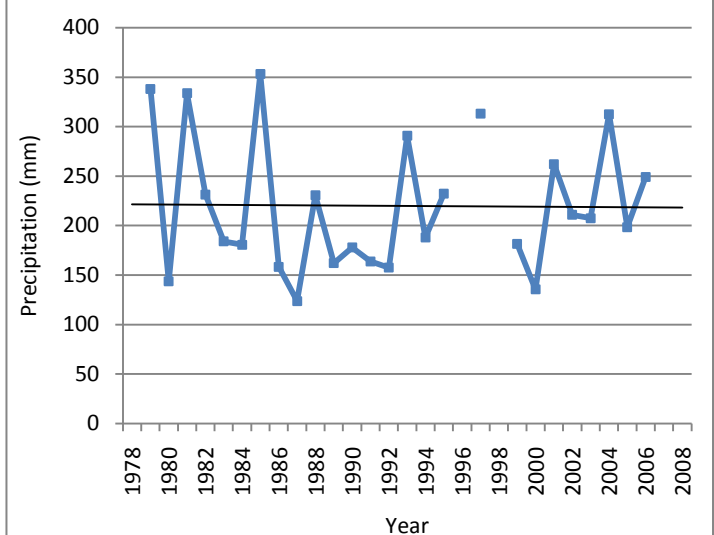


- Average annual mean temperature (°C) from 1978 to 2008. Data from Barrie WCPP (Environment Canada, 2010) shows that the temperature at this location has increased 1.7 °C over the 31 years of record.
- Average winter mean temperature (°C) from 1978 to 2008. Barrie WCPP (Environment Canada, 2010) shows that the temperature at this location has increased 2.2 °C over the 31 years of record.
- Average summer mean temperature (°C) from 1978 to 2008. Barrie WCPP (Environment Canada, 2010) shows that the temperature at this location has increased 1.8 °C over the 31 years of record.

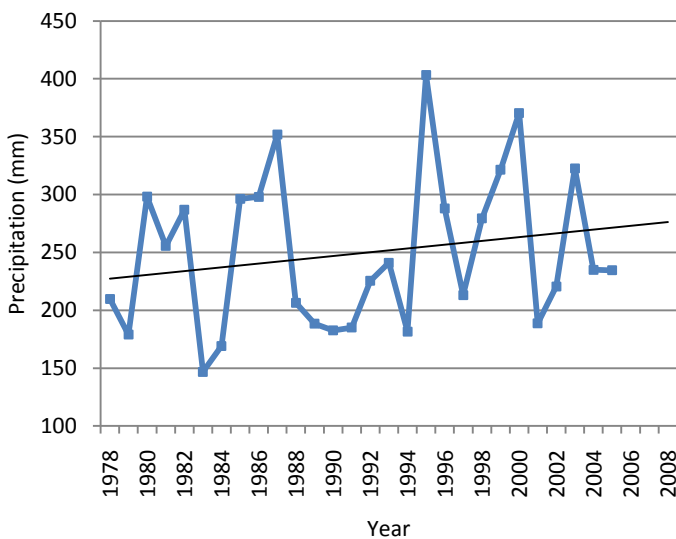
Total Annual Precipitation - Barrie



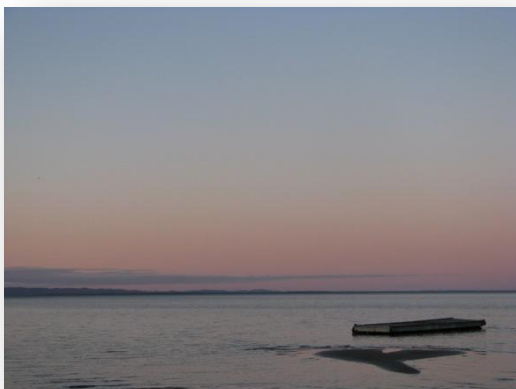
Total Winter Precipitation - Barrie



Total Summer Precipitation - Barrie



- Total annual precipitation (mm) from 1978 to 2008. Data from Barrie WPCC (Environment Canada, 2010) shows that the precipitation at this location has decreased slightly (10 mm) over the 31 years of record.
- Total winter precipitation (mm) from 1978 to 2008. Data from Barrie WCPP (Environment Canada, 2010) shows that the precipitation at this location has remained unchanged over the 31 years of record.
- Total summer precipitation (mm) from 1978 to 2008. Data from Barrie WCPP (Environment Canada, 2010) shows that the precipitation at this location has increased by 50 mm over the 31 years of record.



This document has been produced by the Ontario Centre for Climate Impacts and Adaptation Resources (OCCIAR) for the Community Adaptation Initiative project.

For more information about OCCIAR please visit

www.climateontario.ca

This project has received funding support from the Government of Ontario. Such support does not indicate endorsement by the Government of Ontario of the contents of the material.