



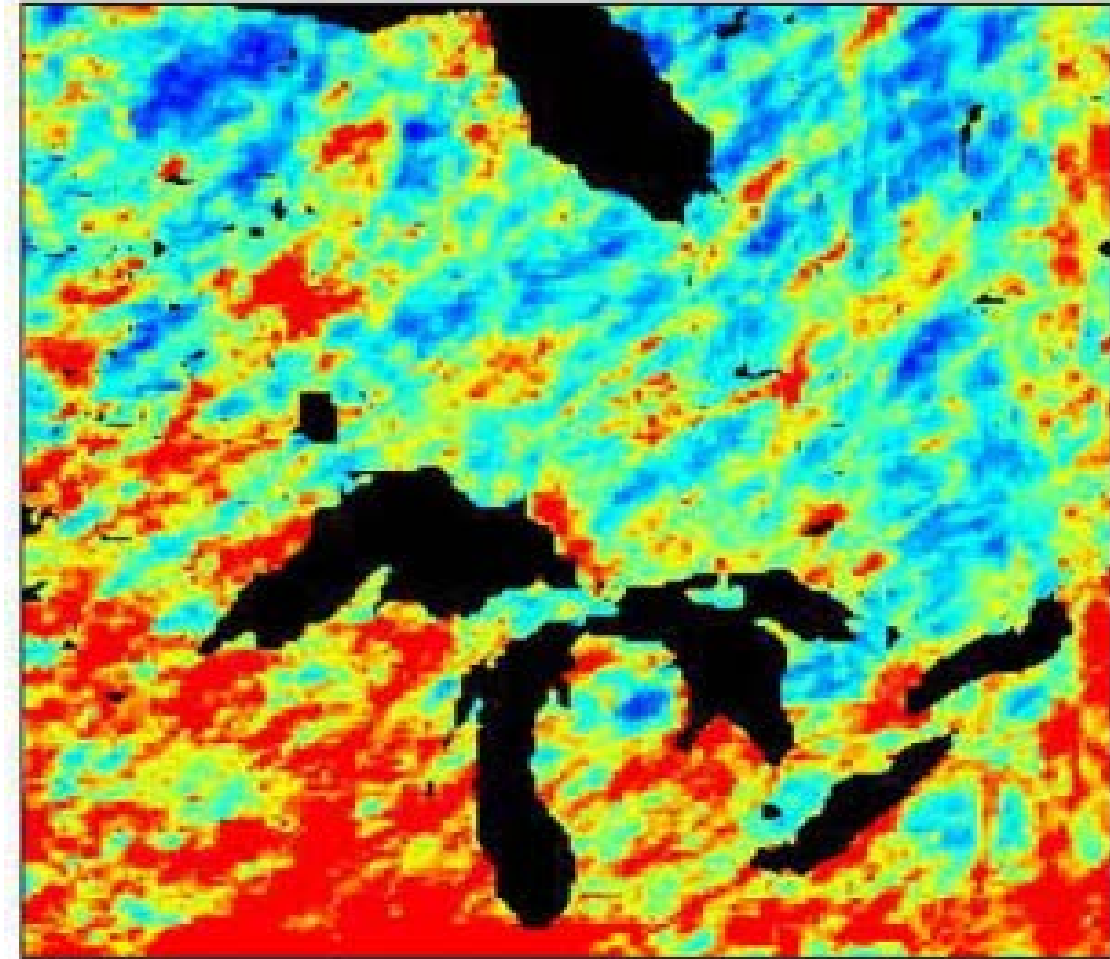
← SESAME STREET

Future change in extreme rainfall

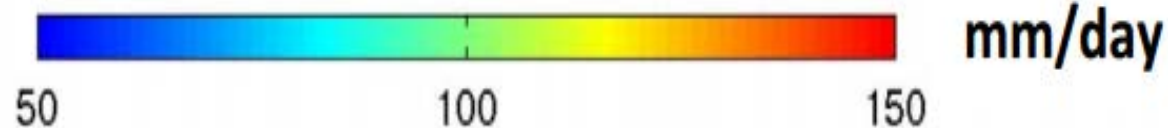
(2045-2060)

Rainfall during extreme events will increase by 14% – 29% by 2050

A once in 50 year rain event today will occur every 25 – 15 years



D'Orgeville and Peltier
JGR – Atmos. 2014





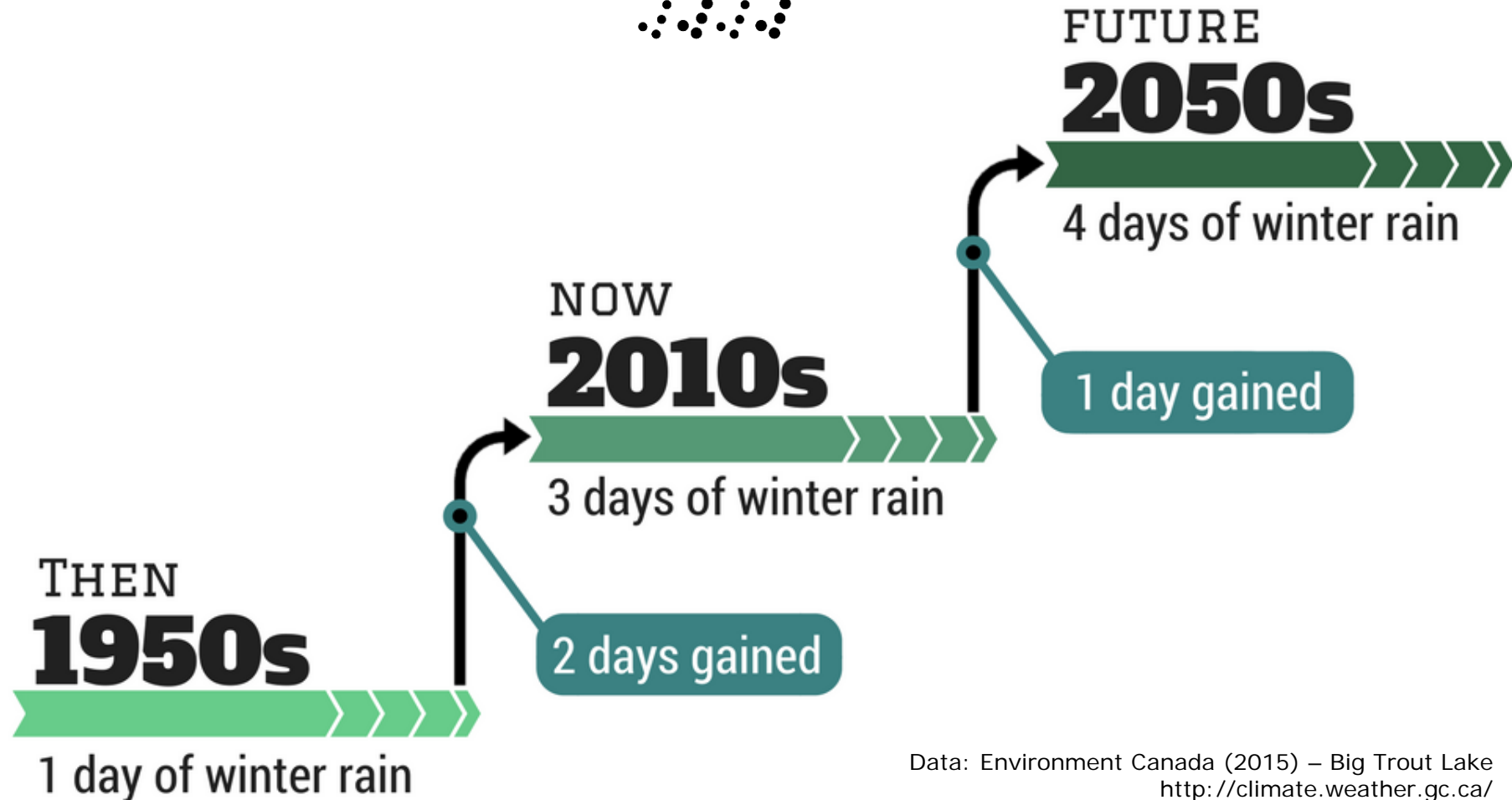
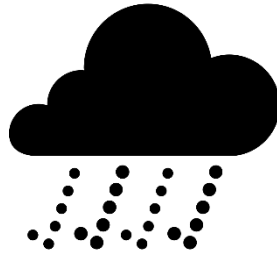
Wunnummin Lake

Image © 2017 DigitalGlobe
© 2017 Google
Image Landsat / Copernicus

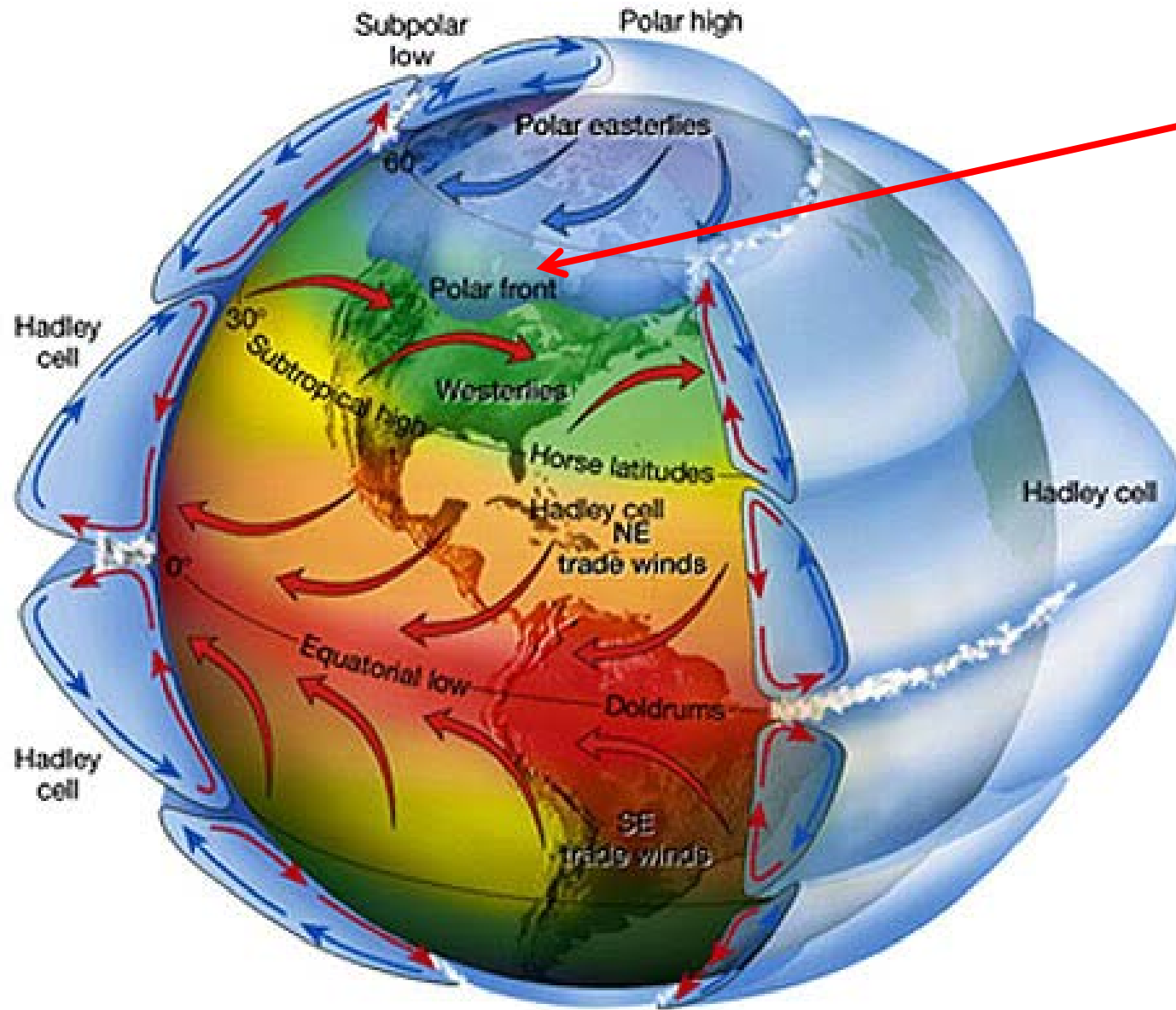
Google Earth



A Lifetime of Wetter Winter Days



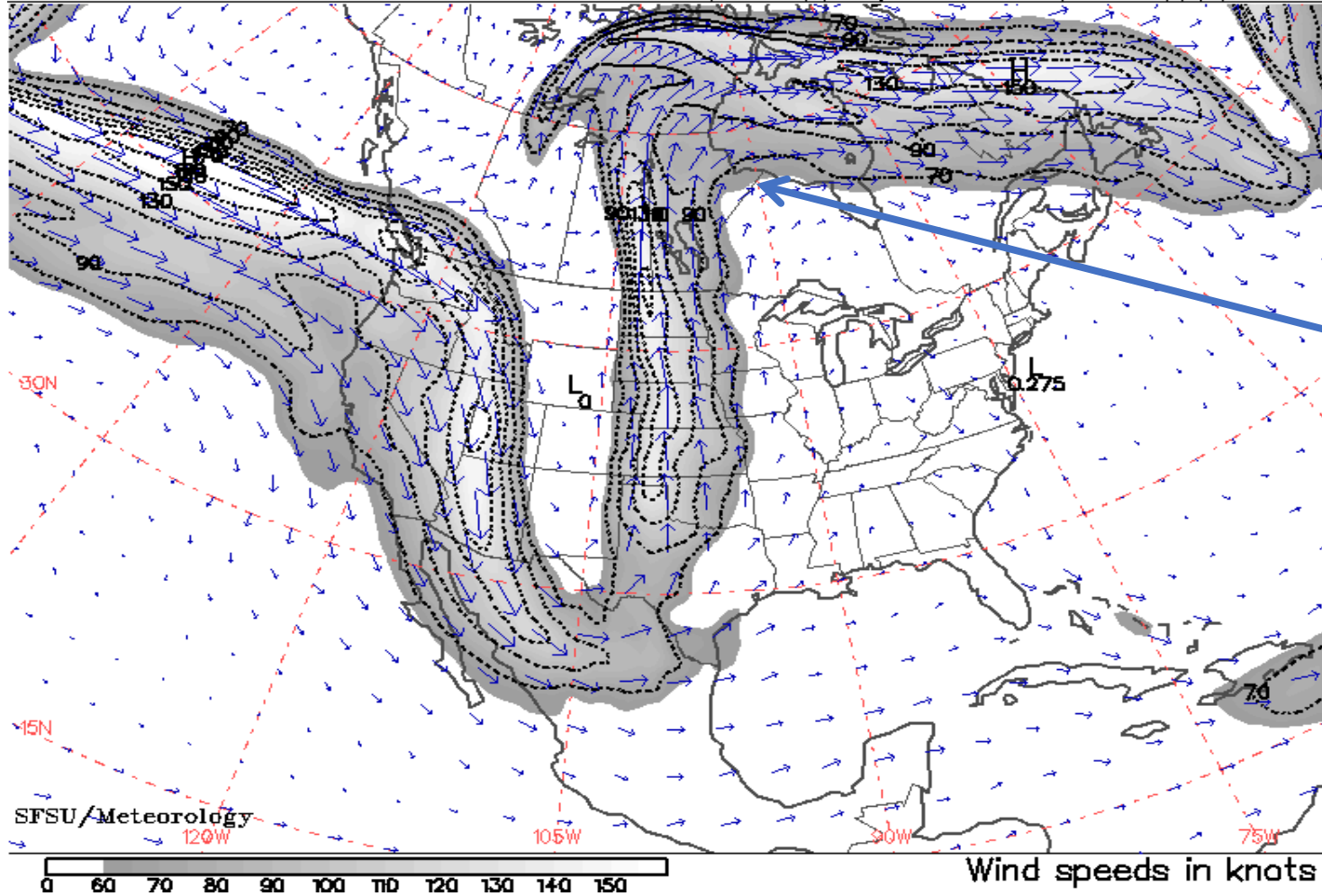
Data: Environment Canada (2015) – Big Trout Lake
<http://climate.weather.gc.ca/>



**Far North
Ontario**

300 mb Jet Stream

GFS Model Analysis for 06Z 20 MAR 2012



Fort Severn

Pattern of the jet stream between Polar and Mid-latitude air masses On March 20, 2012



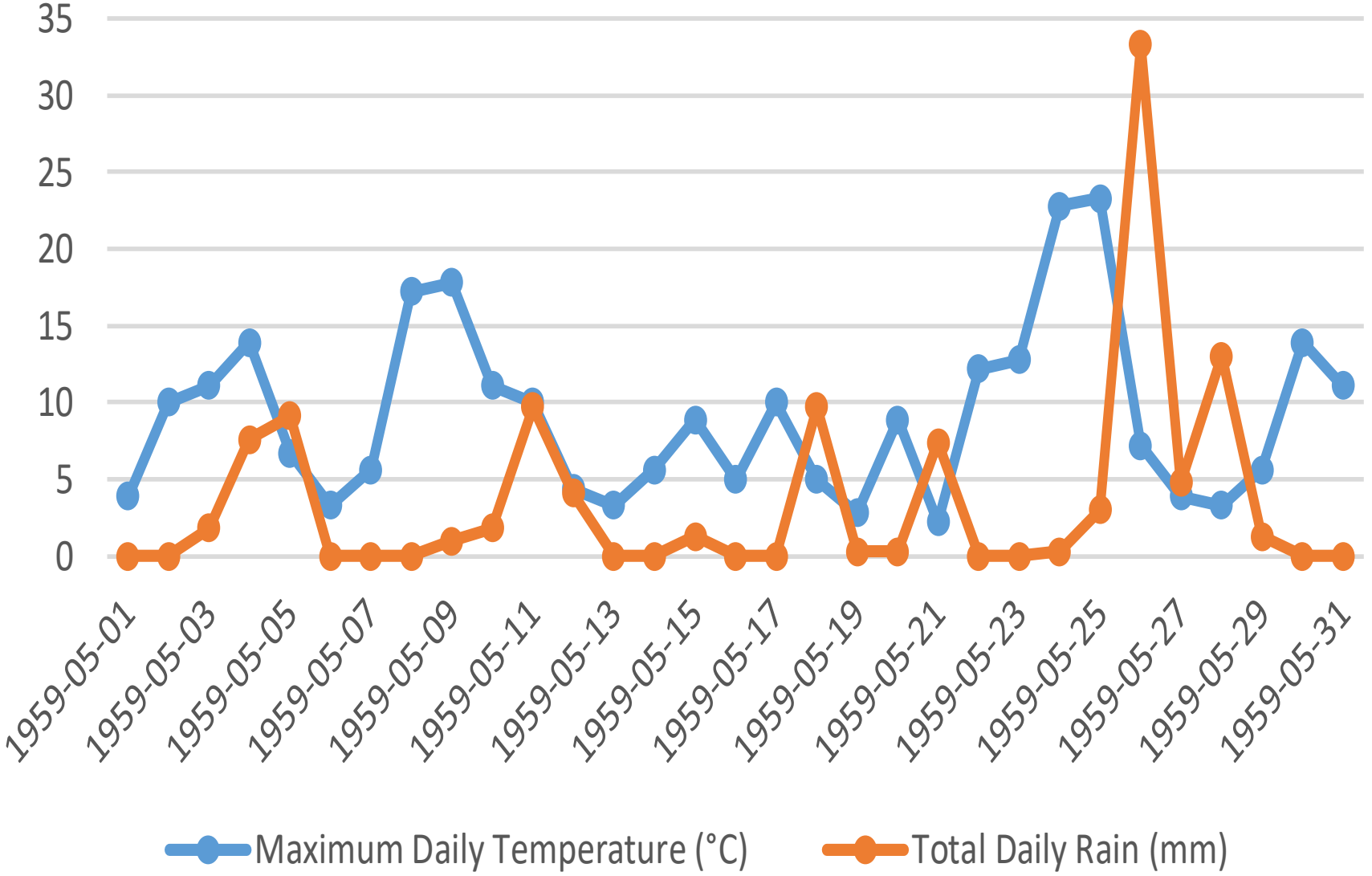
Eabametoong First Nation







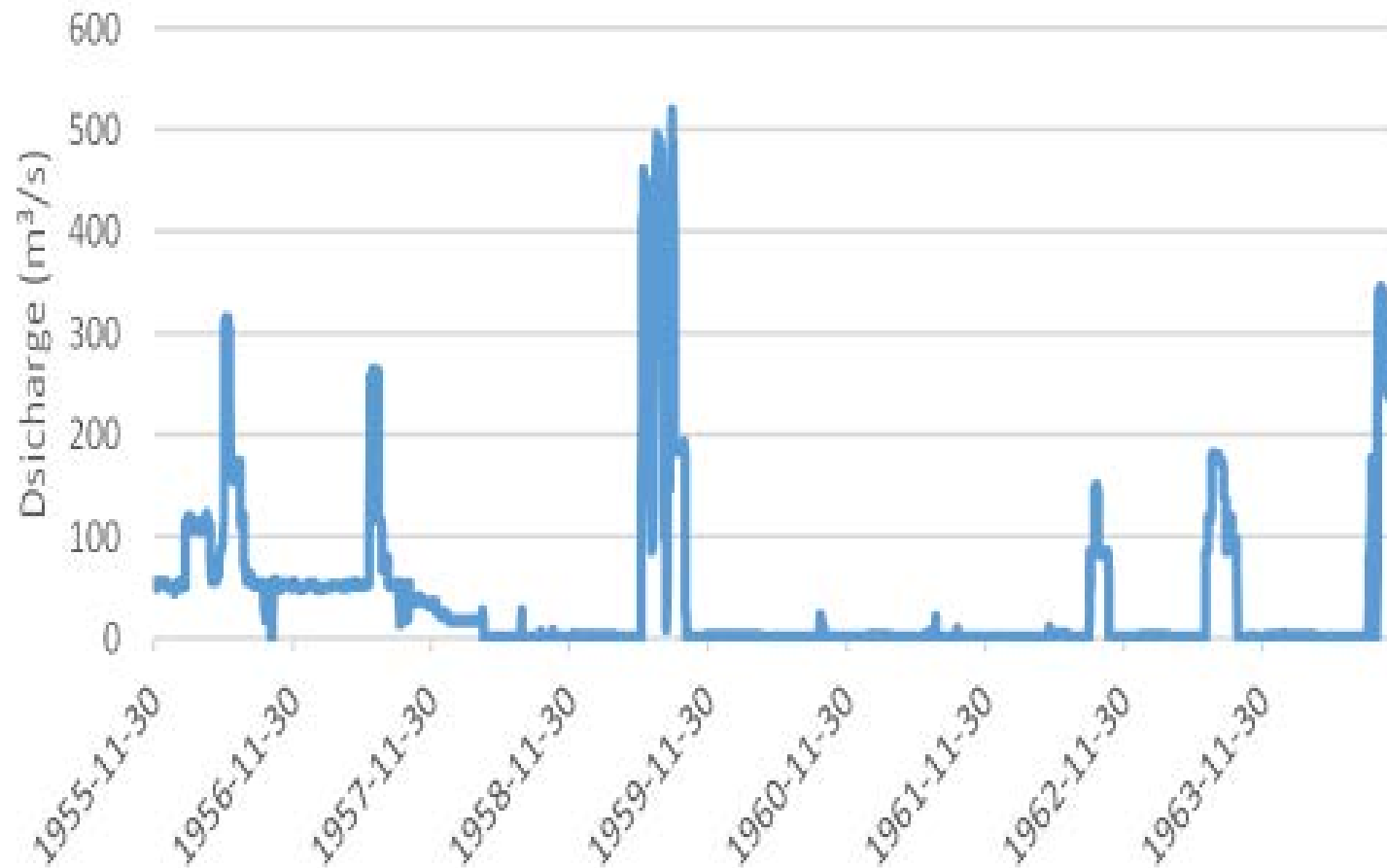
May 1959 Lansdowne House





LAKE ST. JOSEPH OUTFLOW TO ALBANY RIVER

daily discharge 1955-1963





<http://atlookancheesequay.myknet.org/>

Tikinagen / Corny system

