

Climate Projections for the Cowichan Valley Regional District

This .zip file contains a complete set of figures for the “business as usual” (RCP8.5) greenhouse gas emission scenario for the Cowichan Valley Regional District. For each indicator, there are three (or occasionally four) figures:

- Past values – 1980s (1971-2000)
- Future values – 2050s (2041-2070)
- Change in indicator values (abs.anoms) between past and future conditions
- Percent change in indicator (prc.anoms) between past and future conditions is also included for selected indicators

While the accompanying *Climate Projections for the Cowichan Valley Regional District* report presents tabular results including the median results both for the region as a whole and, in some cases, for three sub-regions, these figures show the distribution of values across the entire region.

Figures are included for the following climate indices:

- **Annual Indices**
 - Precipitation
 - Maximum Temperature
 - Minimum Temperature
- **Seasonal Indices**
 - Precipitation
 - Maximum Temperature
 - Minimum Temperature
- **CLIMDEX Indices** (see <http://www.climdex.org/indices.html> for details)
 - CDD – Consecutive dry days
 - CSDI – Cold spell duration index
 - CWD – Consecutive wet days
 - DTR – Daily temperature range
 - FD – Frost days
 - GSL – Growing season length
 - ID – Icing days
 - PRCP TOT – Annual total ppt in wet days
 - R10mm – Annual count of days when ppt ≥ 10mm
 - R20mm – Annual count of days when ppt ≥ 20mm
 - R95days – Annual total days exceeding the 95th percentile ppt
 - R95pTOT – Annual total ppt on days exceeding the 95th percentile
 - R99days – Annual total days exceeding the 95th percentile ppt
 - R99pTOT – Annual total ppt on days exceeding the 99th percentile
 - Rx1day – Single day maximum ppt
 - Rx5day – 5 day maximum ppt
 - SDII – Simple ppt intensity index
 - SU – Summer days
 - TR – Tropical nights
 - TN10p – Percentage of days when coldest temperature < 10th percentile
 - TN90p – Percentage of days when coldest temperature > 90th percentile
 - TNN – Coldest winter night
 - TNX – Warmest night
 - TX10p – Percentage of days when warmest temperature < 10th percentile
 - TX90p – Percentage of days when warmest temperature > 90th percentile
 - TXN – Coolest day
 - TXX – Hottest day
 - WSDI – Warm spell duration index
- **Degree Days**
 - CDD – Cooling degree days
 - FDD – Freezing degree days
 - GDD – Growing degree days
 - HDD – Heating degree days
- **Return Periods**
 - PR_RP20 – 1 in 20 year precipitation
 - TASMAX_RP20 – 1 in 20 year maximum temperature
 - TASMIN_RP20 – 1 in 20 year minimum temperature