The Pacific Climate Impacts Consortium

- Regional climate service provider
- Launched 2005; sister organization to Pacific Institute for Climate Solutions (PICS)
- Partner with researchers and users of climate information

Regional Climate Impacts

developing, providing, and interpreting future projections of regional climate change

Hydrologic Impacts

quantifying the hydrologic impacts of climate change and variability

Climate Analysis and Monitoring

serving the need for past climate information and its interpretation

Computational Support Group

- enabling high speed computing on large datasets, developing online tools, and maintaining open-source code

PCIC: Analysis Tools

PCIC Analysis Tools:

Plan2Adapt

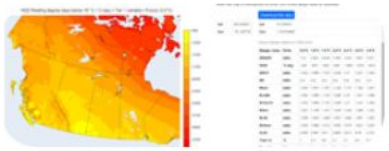
PCIC Climate Explorer

Design Value Explorer

Seasonal Anomaly Maps

ANALYSIS TOOLS

PCIC provides analysis that is produced on a solid foundation of in-house expertise with regular and invaluable contributions by affiliated experts.



DESIGN VALUE EXPLORER

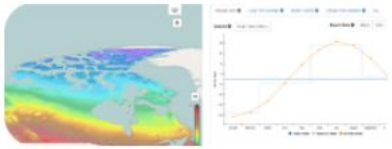
Use the Design Value Explorer to access historical climatic design variables across Canada, in either map or table form, examine projected future change in design variables, and download maps and tables.

READ MORE

PLAN2ADAPT

Use PCIC's Plan2Adapt online tool if you're only somewhat familiar with climate modelling but still interested in better understanding the impacts that climate variability and change may have on specific regions of British Columbia.

READ MORE



PCIC CLIMATE EXPLORER

Use the PCIC Climate Explorer to visualize and download data describing projected future climate conditions for areas within the Pacific and Yukon Region.

READ MORE

SEASONAL ANOMALY MAPS

Use the Seasonal Anomaly Maps to access seasonal maps of average temperature and total precipitation departures from the 30-year climatology at observational weather stations in BC, for all months from 1972 onward.

READ MORE

PCIC Analysis Tool: Climate Explorer

PCIC Climate Explorer

Home/Data | Help | Science | About

Single Variable CMIP5 | Compare Variables CMIP5 | Single Variable CMIP6 | Compare Variables CMIP6 | Extreme Precipitation | Extreme Streamflow

All Datasets Summary — 16487 datasets total

Dataset Filter

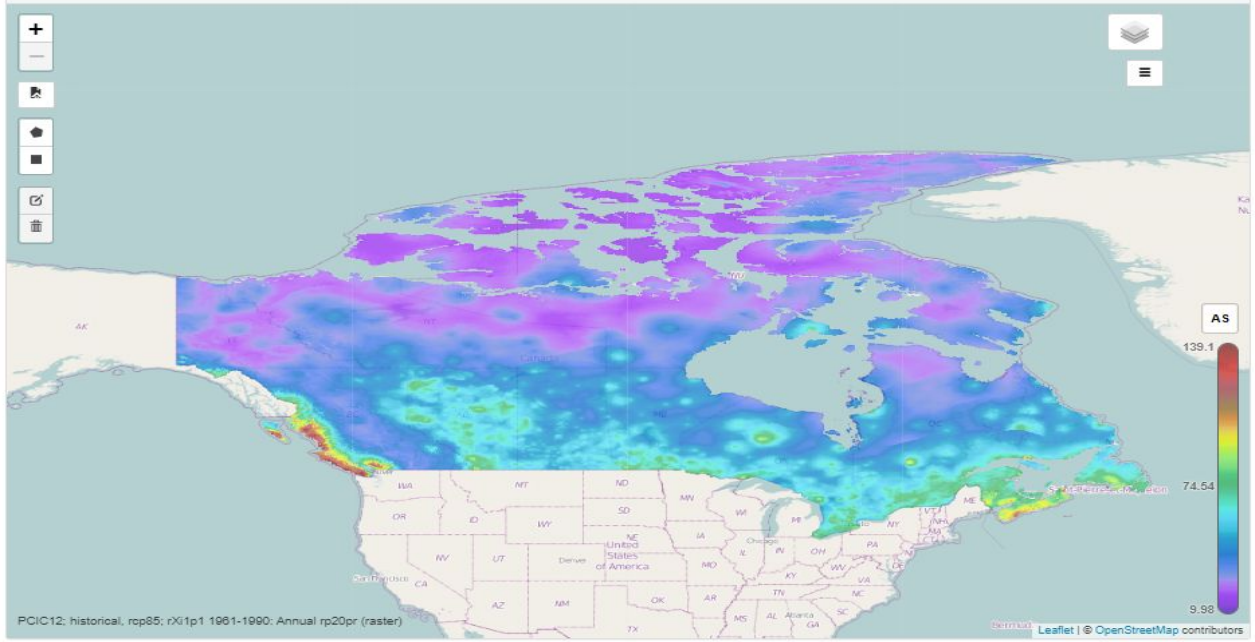
Model: PCIC12

Emissions Scenario: Historical, then RCP 8.5

Variable: rp20pr - 20-year annual maximum one day precipitation amount

Filtered Datasets Summary — PCIC12 historical, rcp85: rp20pr ⟶ 6 datasets

Data Map — PCIC12; historical, rcp85; rXi1p1 1961-1990: Annual rp20pr (raster)

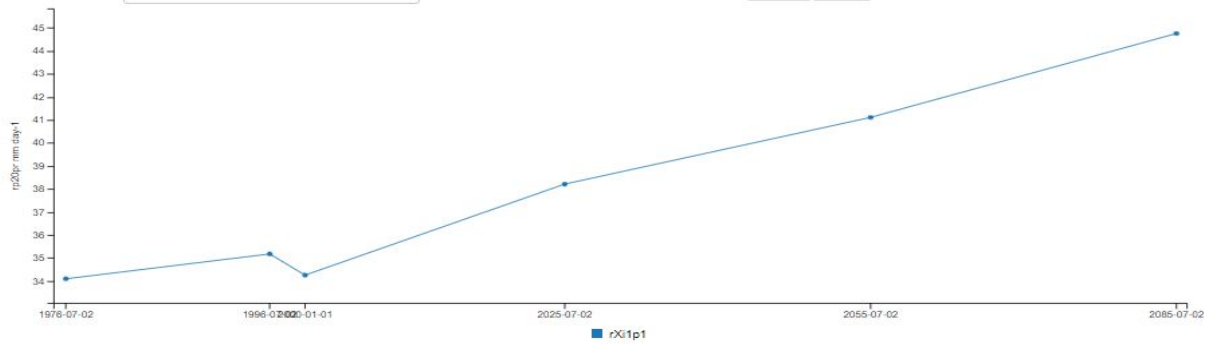


Data Graphs — PCIC12 historical, rcp85: rp20pr

Annual Cycle | Long Term Average | Model Context | Change from Baseline | Snapshot

Time of Year: Annual

Export Data: XSLX | CSV



filtered datasets

Statistical Summary — PCIC12 historical, rcp85: rp20pr

Time of Year: Annual

Export Data: XSLX | CSV

Run	Averaging Period	Min	Max	Mean	Median	Std.Dev	Units
rXi1p1	1961 - 1990	9.85	201.64	34.09	29.52	16.91	mm day-1

PCIC Analysis Tool: Design Value Explorer

PACIFIC CLIMATE IMPACTS CONSORTIUM Design Value Explorer

Design Variable: HDD Heating degree days below 18 °C

Map | Table C-2 | Help | About

Overlay Options

Period: Historical design values / Future change relative to 1986-2016

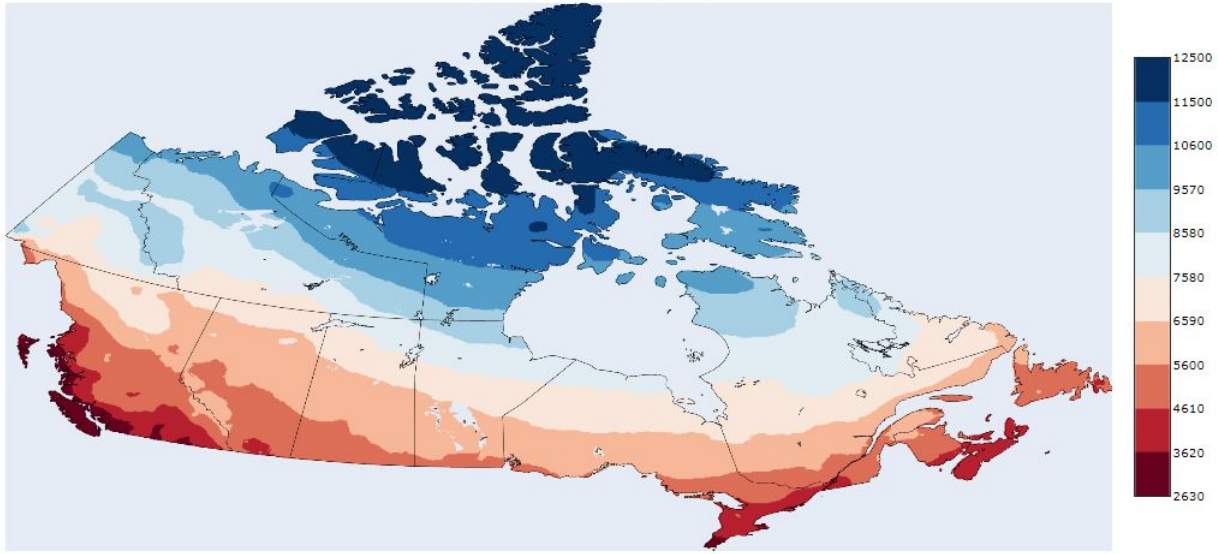
Global Warming: 0.5°C above 1986-2016

Stations (HISTORICAL ONLY) | Grid

Colour Scale Options

Colour Map: RdBu | Scale: Linear | Num. Colours: 10 (5 – 100) | Range: 2630 to 12540 (2630, 4610, 6590, 8580, 10560, 12540)

HDD Heating degree days below 18 °C (°C-day) • Historical



Data from map pointer

Hover over map to show position of cursor. Click to hold design values for download.

Lat	80.230365
Lon	-72.939369

Download this data

Lat	53.855402
Lon	-95.993269

Historical design values

Design value	Units	Interpolation value
DRWP5	Pa	80
HDD	°C-day	6900
IDFCF	ratio	n/a
MI		0.625
PAnn	mm	550
R1d50	mm	75
R15m10	mm	19
RAnn	mm	385
RL50	kPa	0.1
RHAnn	%	74
SL50	kPa	3
TJan1.0	°C	-38
TJan2.5	°C	-36
TJul97.5	°C	27
TwJul97.5	°C	20
Tmax	°C	24
Tmin	°C	-34
WP10	kPa	0.2
WP50	kPa	0.2

PACIFIC CLIMATE IMPACTS CONSORTIUM

Thank you!

For more information…
PCIC website here
Kari's information