



BCTS TSG/TCH – How to use the Climate BC Web Application to determine Mean Annual Precipitation

STEP 1 - Go to the following web address...

- http://www.climatewna.com/ClimateBC_Map.aspx

STEP 2 - Zoom into your worksite location on the map window

- Above the top of the map window you will see an Overlays title with drop down windows. Adjust the transparency to at least 75%.
- At the top left corner of the map window you will see a Map/Satellite Tab. Select Satellite.
- Zoom into your worksite location on the map window. Make sure the cursor is in the right location. Alternatively you can enter the coordinate information into the Latitude and Longitude fields to the left of the map window.

STEP 3 - Select the appropriate Historical parameters to run the calculation

- To determine mean annual precipitation for the purpose of determining rainfall shutdown thresholds select “**Normal_1981_2010**” in the drop down list titled “**Historical**”.

STEP 4 - Find your Mean Annual Precipitation Value

- Now that your location and historical parameters are set click the calculate tab.
- Under the table titled “Annual Variables” look for “MAP”. Next to “MAP” is your mean annual precipitation in millimeters (mm’s).

REFER to the next page for a screenshot of the Climate BC Map application.



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The screenshot shows the ClimateBC_Map web application interface. The browser address bar displays http://www.climatewna.com/ClimateBC_Map.aspx. The page header includes the University of British Columbia logo and navigation links for NEWS, EVENTS, DIRECTORIES, SEARCH UBC, and myUBC LOGIN. The main content area is titled "ClimateBC_Map" and "A Interactive Platform for Visualization and Data Access".

Annotations with red boxes and arrows point to specific features:

- Historical Parameter:** Points to the "Historical" dropdown menu in the "Elev (m)" section, which is currently set to "Normal_1981_2010".
- Location of worksite:** Points to a red location pin on the satellite map, with a label "Naka Creek Recreational Site" nearby.
- Click calculate when location and historical parameter are set:** Points to the "Calculate" button in the control panel.
- Mean Annual Precipitation (MAP) for this worksite is 2466mm's:** Points to the "MAP = 2466" value in the "Annual Variables" list.

The "Annual Variables" list includes:

Annual Variables	Seasonal Variables	Monthly Variables
MAT = 6.2	Tmax_wt = 3.2	Tmax(01) = 3.5
MWMT = 13.9	Tmax_sp = 8.5	Tmax(02) = 4
MCMT = -0.2	Tmax_sm = 17.3	Tmax(03) = 4.9
TD = 14.1	Tmax_at = 10.1	Tmax(04) = 8.3
MAP = 2466	Tmin_wt = -2.3	Tmax(05) = 12.2
MSP = 406	Tmin_sp = 1.1	Tmax(06) = 15.1
AHM = 6.6	Tmin_sm = 8.1	Tmax(07) = 18.2
SHM = 34.1	Tmin_at = 3.6	Tmax(08) = 18.5
DD<0 = 266	Tave_wt = 0.5	Tmax(09) = 15.7
DD>5 = 1194	Tave_sp = 4.8	Tmax(10) = 9.7
DD<18 = 4298	Tave_sm = 12.7	Tmax(11) = 5
DD>18 = 21	Tave_at = 6.9	
NFFD = 237	PPT_wt = 739	
bFFP = 127	PPT_sp = 693	
eFFP = 288	PPT_sm = 223	
FFP = 161	PPT_at = 912	

At the bottom of the interface, there is a "Copyright(2017) University of British Columbia. All right reserved." disclaimer and a "Last update: Mar 12, 2018." note. The footer also includes a URL: <http://web.forestry.ubc.ca/>.