



## ClimateBC\_Map

-- A Interactive Platform for Visualization and Data Access

Coordinates Input (click on the map or type in coordinates)

Latitude  Longitude

Elev (m)  Historical

Future

[Quick Tutorial](#)[Help](#)[Calculate](#)

Annual Variables Seasonal Variables Monthly Variables

Annual Variables	Seasonal Variables	Monthly Variables
<div></div>	<div></div>	<div></div>

[Append to](#)  Count  [Save](#) [Clear](#)

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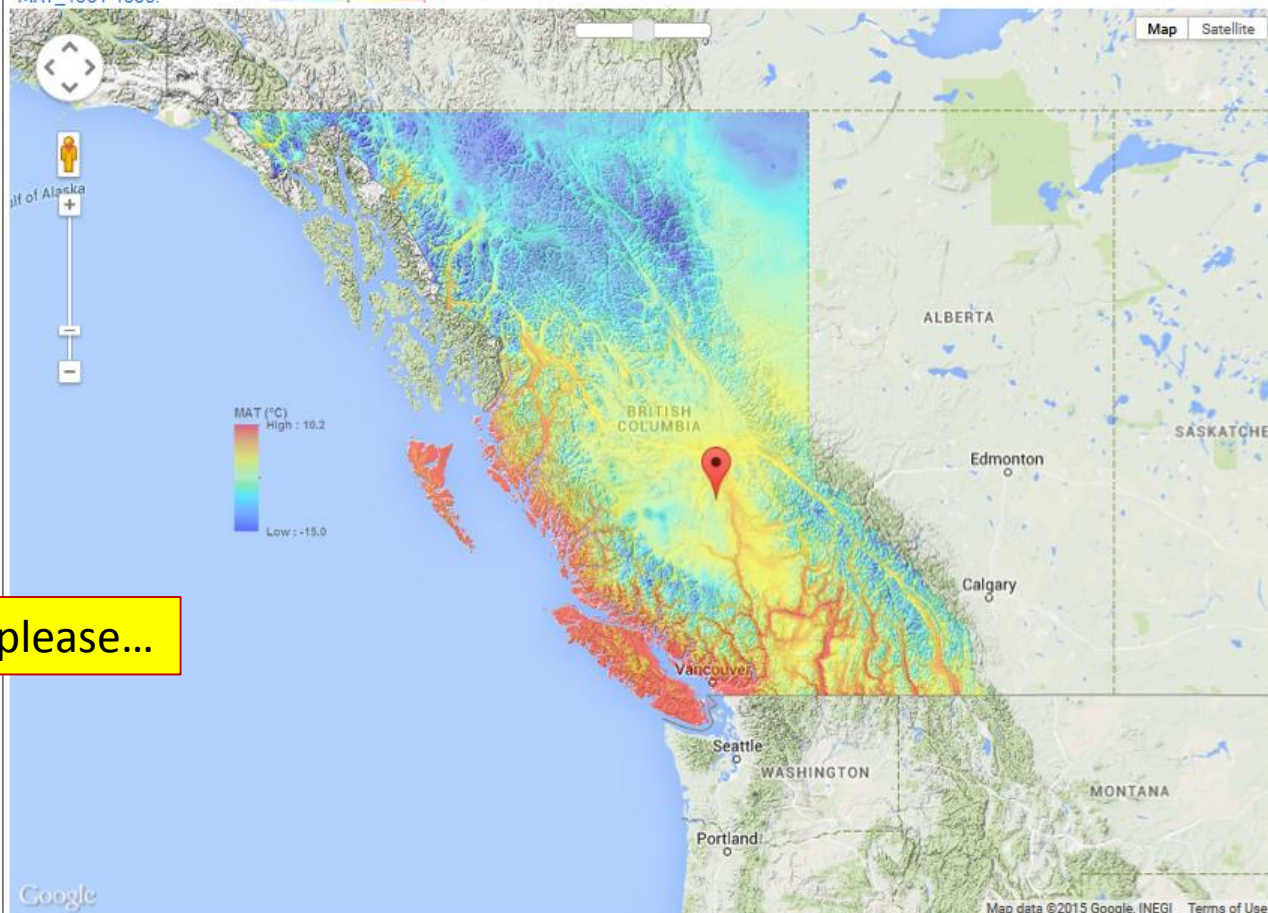
Disclaimer: Predictions of historical and future climates are based on the methodologies described in [Wang et al. 2012](#). Authors do not bear any liability for financial or other losses due the use of this program.

Overlays:



MAT\_1961-1990:

-15.0 10.2 °C

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Latitude  Longitude

Elev (m)  Historical

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Annual Variables

Seasonal Variables

Monthly Variables

Append to

ClimateData.csv

Count 0

Save

Clear

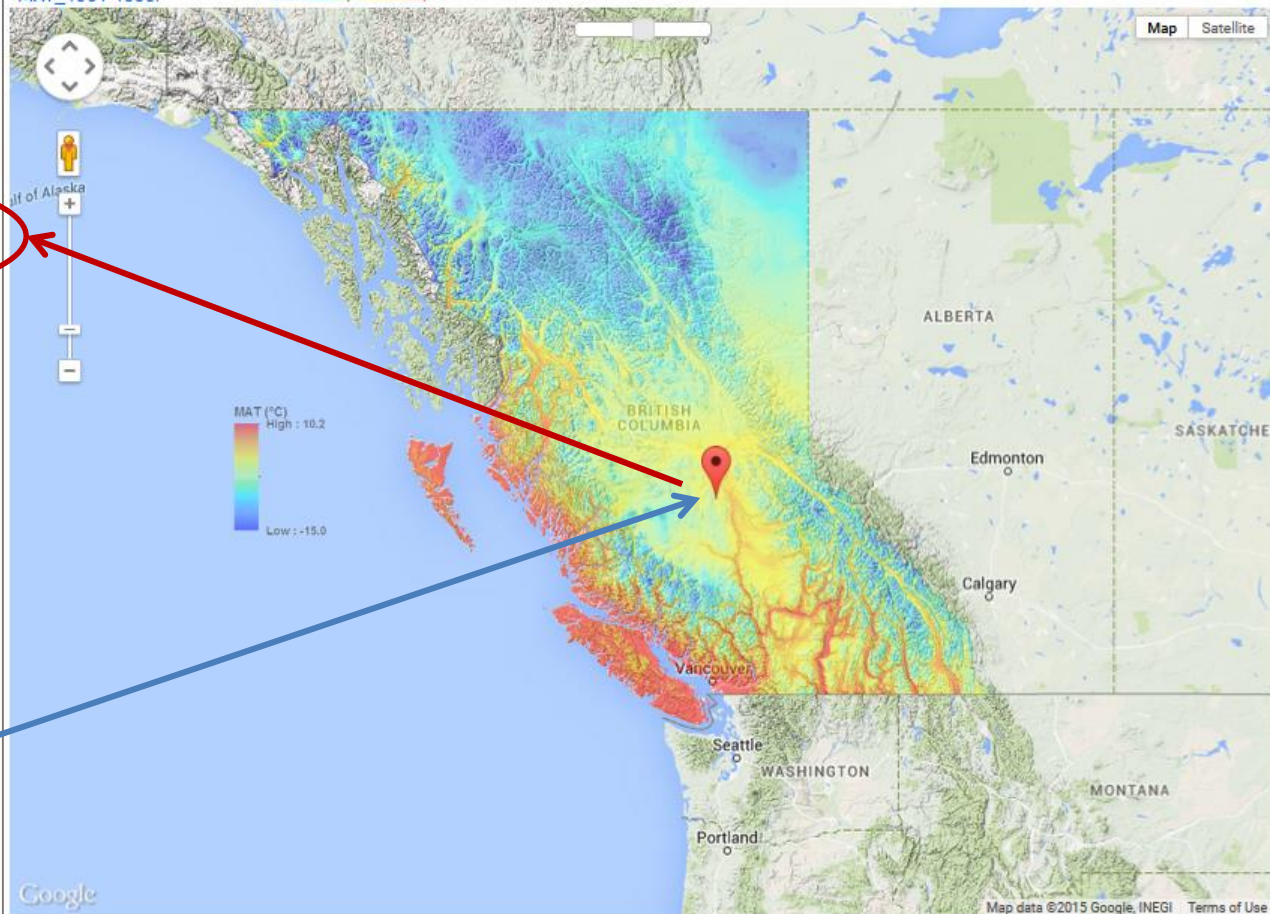
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Overlays:

MAT\_1961-1990:

-15.0 10.2°C



Type in coordinates  
or click on the map

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Coordinates Input (click on the map or type in coordinates)

Latitude  Longitude   
Elev (m)  Historical   
Future

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Annual Variables Seasonal Variables

Normal\_1901\_1930  
Normal\_1911\_1940  
Normal\_1921\_1950  
Normal\_1931\_1960  
Normal\_1941\_1970  
Normal\_1951\_1980  
Normal\_1961\_1990  
Normal\_1971\_2000  
Normal\_1981\_2010  
Decade\_1901\_1910  
Decade\_1911\_1920  
Decade\_1921\_1930  
Decade\_1931\_1940  
Decade\_1941\_1950  
Decade\_1951\_1960  
Decade\_1961\_1970  
Decade\_1971\_1980  
Decade\_1981\_1990  
Decade\_1991\_2000

Append to  Count  Save Clear

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Overlays: Climate maps

BEC zones

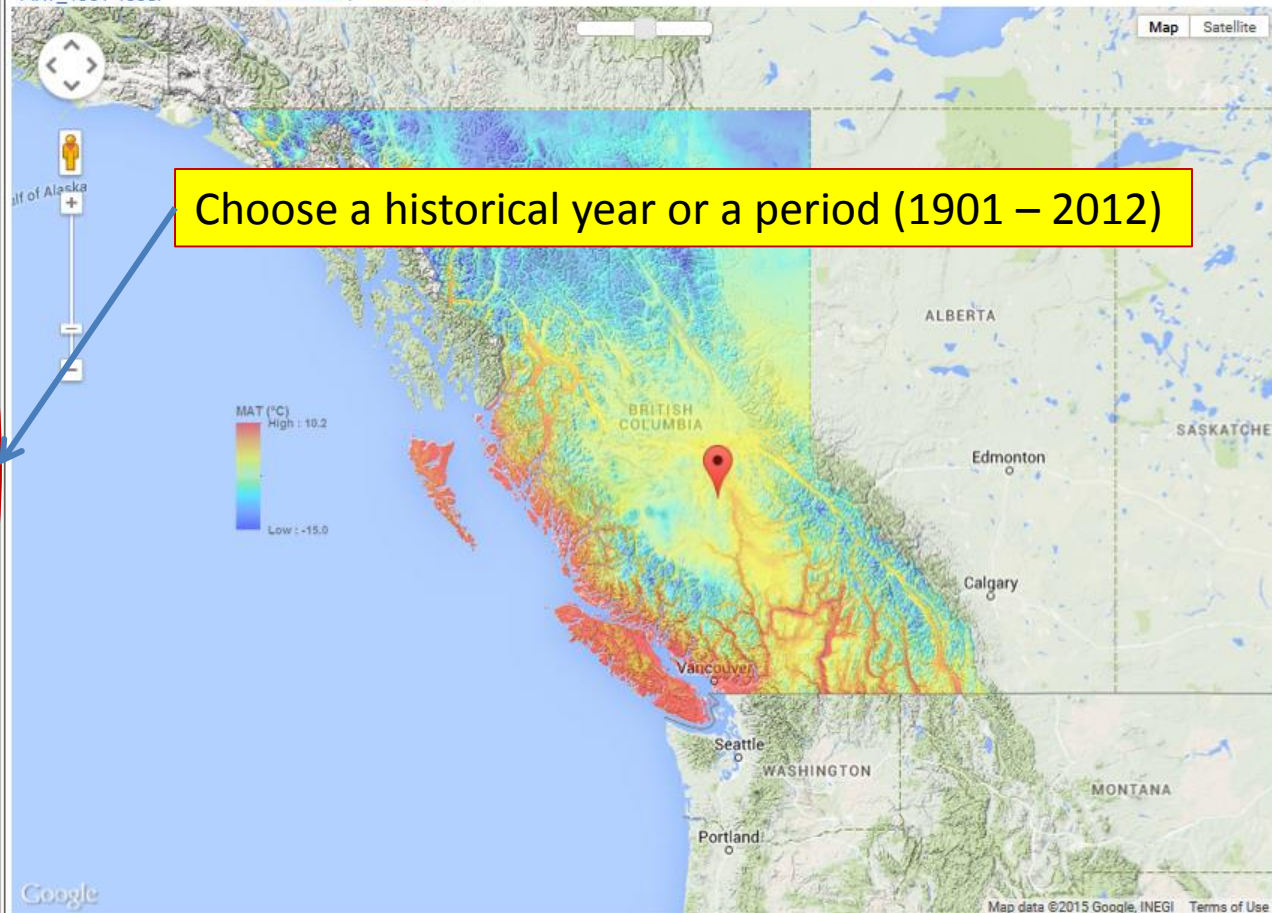
Species ranges

SPU maps

50



MAT\_1961-1990: -15.0 10.2 °C



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## ClimateBC\_Map

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Coordinates Input (click on the map or type in coordinates)

Latitude 52.98 Longitude -123.02

Elev (m) 1000 Historical Select a period

Future Select a GCM and a period

Select a GCM and a period

Quick

Annual Vari

- CanESM2\_rcp45\_2025
- CanESM2\_rcp45\_2055
- CanESM2\_rcp45\_2085
- CanESM2\_rcp85\_2025
- CanESM2\_rcp85\_2055
- CanESM2\_rcp85\_2085
- CNRM-CM5\_rcp26\_2025
- CNRM-CM5\_rcp26\_2055
- CNRM-CM5\_rcp26\_2085
- CNRM-CM5\_rcp45\_2025
- CNRM-CM5\_rcp45\_2055
- CNRM-CM5\_rcp45\_2085
- CNRM-CM5\_rcp85\_2025
- CNRM-CM5\_rcp85\_2055
- CNRM-CM5\_rcp85\_2085
- HadGEM2-ES\_rcp45\_2025
- HadGEM2-ES\_rcp45\_2055
- HadGEM2-ES\_rcp45\_2085
- HadGEM2-ES\_rcp85\_2025

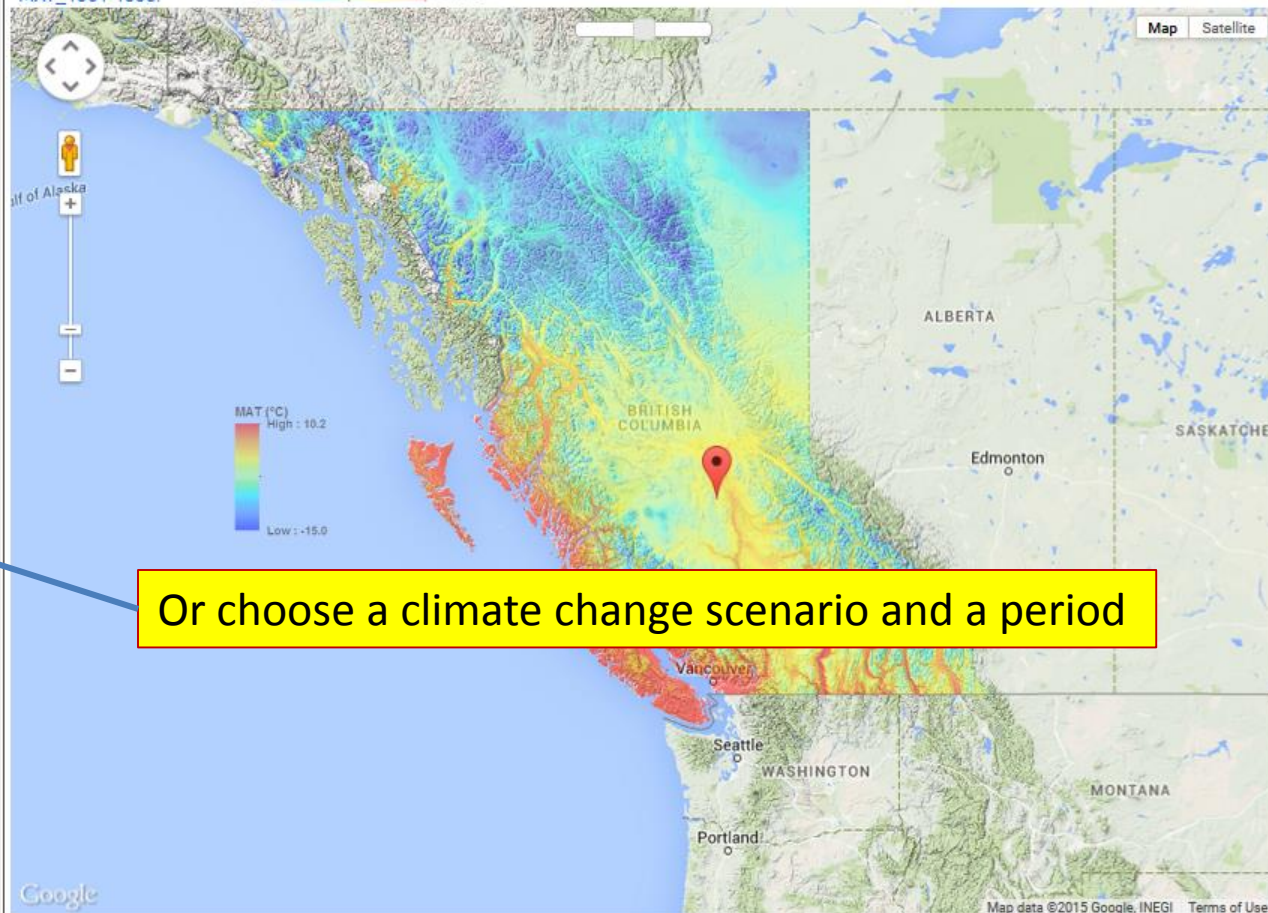
Append to ClimateData.csv Count 0 Save Clear

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Overlays: Climate maps BEC zones Species ranges SPU maps 50

MAT\_1961-1990: -15.0 10.2 °C



Or choose a climate change scenario and a period

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Coordinates Input (click on the map or type in coordinates)

Latitude  Longitude

Elev (m)  Historical

Future

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Calculate

### Annual Variables Seasonal Variables Monthly Variables

MAT = 2.5	Tmax_wt = -3.5	Tmax(01) = -5.3
MWMT = 13.8	Tmax_sp = 9.3	Tmax(02) = -0.3
MCMT = -10.1	Tmax_sm = 19.7	Tmax(03) = 3.8
TD = 23.9	Tmax_at = 8.4	Tmax(04) = 9.4
MAP = 531	Tmin_wt = -13.5	Tmax(05) = 14.6
MSP = 270	Tmin_sp = -3.7	Tmax(06) = 18.1
AHM = 23.5	Tmin_sm = 5.8	Tmax(07) = 20.7
SHM = 51.1	Tmin_at = -2.6	Tmax(08) = 20.2
DD<0 = 1097	Tave_wt = -8.5	Tmax(09) = 16
DD>5 = 1016	Tave_sp = 2.8	Tmax(10) = 9.4
DD<18 = 5645	Tave_sm = 12.8	Tmax(11) = -0.1
DD>18 = 16	Tave_at = 2.9	Tmax(12) = -5
NFFD = 142	PPT_wt = 133	Tmin(01) = -14.9
bFFP = 164	PPT_sp = 85	Tmin(02) = -11.6
eFFP = 248	PPT_sm = 187	Tmin(03) = -8.1
FFP = 84	PPT_at = 127	Tmin(04) = -3.6

Append to  Count

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Overlays: Climate maps

BEC zones

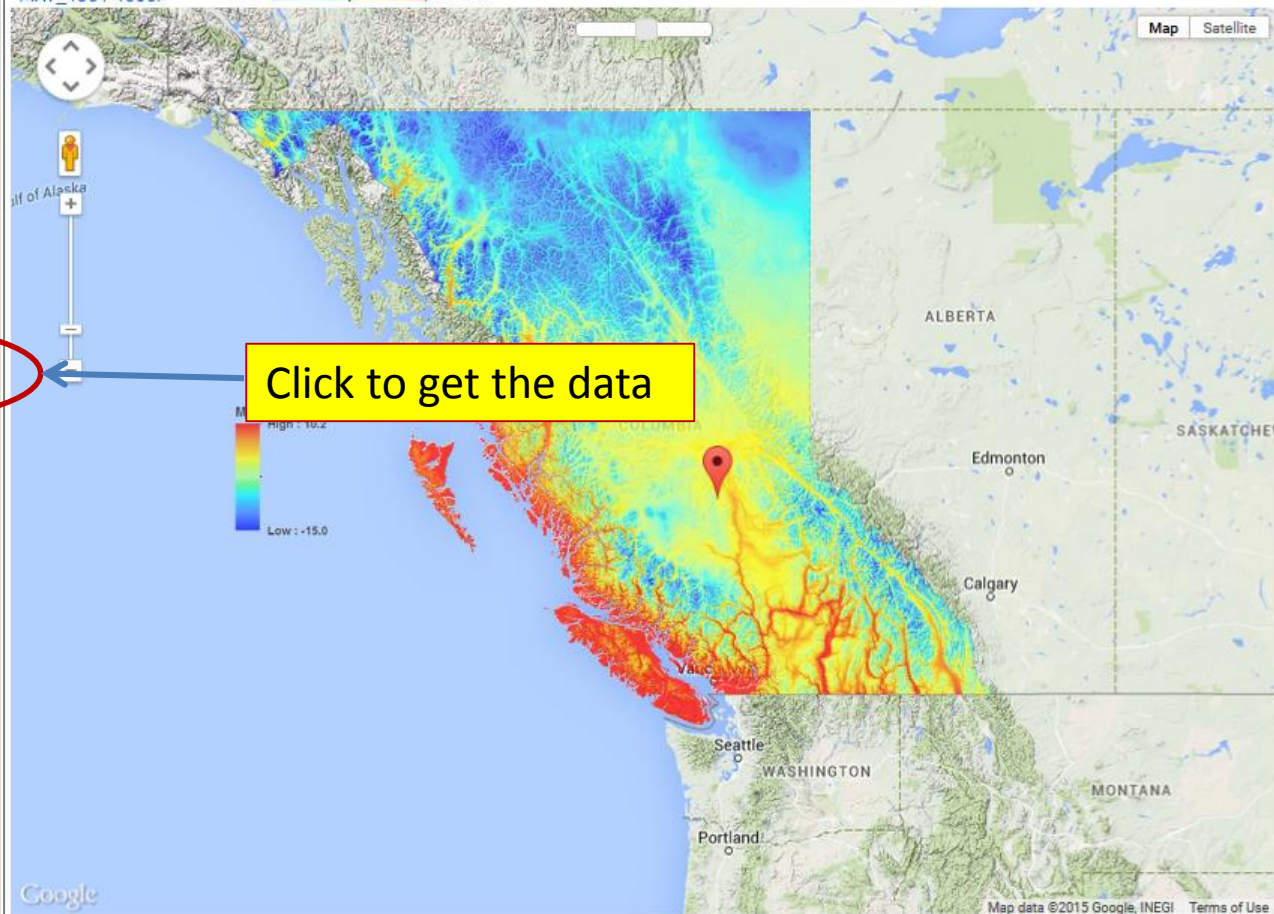
Species ranges

SPU maps

50



MAT\_1961-1990: -15.0 10.2 °C



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Coordinates Input (click on the map or type in coordinates)

Latitude  Longitude

Elev (m)  Historical

Future

[Quick Tutorial](#)[Help](#)[Calculate](#)

### Annual Variables

MAT = 2.5  
MWM = 13.8  
MCM = -10.1  
TD = 23.9  
MAP = 531  
MSP = 270  
AHM = 23.5  
SHM = 51.1  
DD<0 = 1097  
DD>5 = 1016  
DD<18 = 5645  
DD>18 = 16  
NFFD = 142  
bFFP = 164  
eFFP = 248  
FFP = 84

### Seasonal Variables

Tmax\_wt = -3.5  
Tmax\_sp = 9.3  
Tmax\_sm = 19.7  
Tmax\_at = 8.4  
Tmin\_wt = -13.5  
Tmin\_sp = -3.7  
Tmin\_sm = 5.8  
Tmin\_at = -2.6  
Tave\_wt = -8.5  
Tave\_sp = 2.8  
Tave\_sm = 12.8  
Tave\_at = 2.9  
PPT\_wt = 133  
PPT\_sp = 85  
PPT\_sm = 187  
PPT\_at = 127

### Monthly Variables

Tmax(01) = -5.3  
Tmax(02) = -0.3  
Tmax(03) = 3.8  
Tmax(04) = 9.4  
Tmax(05) = 14.6  
Tmax(06) = 18.1  
Tmax(07) = 20.7  
Tmax(08) = 20.2  
Tmax(09) = 16  
Tmax(10) = 9.4  
Tmax(11) = -0.1  
Tmax(12) = -5  
Tmin(01) = -14.9  
Tmin(02) = -11.6  
Tmin(03) = -8.1  
Tmin(04) = -3.6

[Append to](#)   [Save](#) [Clear](#)

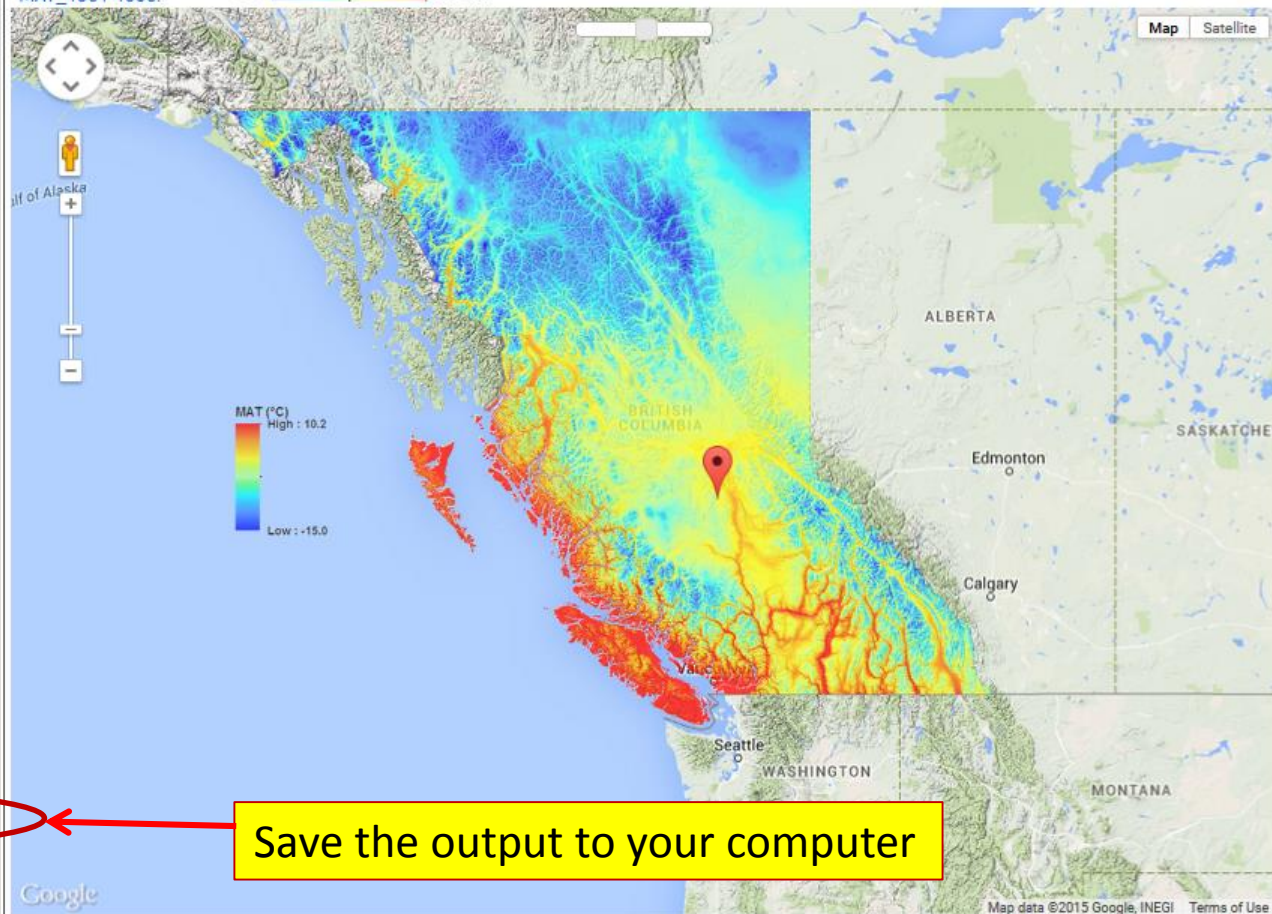
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Overlays:



MAT\_1961-1990: -15.0 10.2 °C



Save the output to your computer

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## ClimateBC\_Map

-- A Interactive Platform for Visualization and Data Access

Coordinates Input (click on the map or type in coordinates)

Latitude  Longitude

Elev (m)  Historical

Future

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### Annual Variables Seasonal Variables Monthly Variables

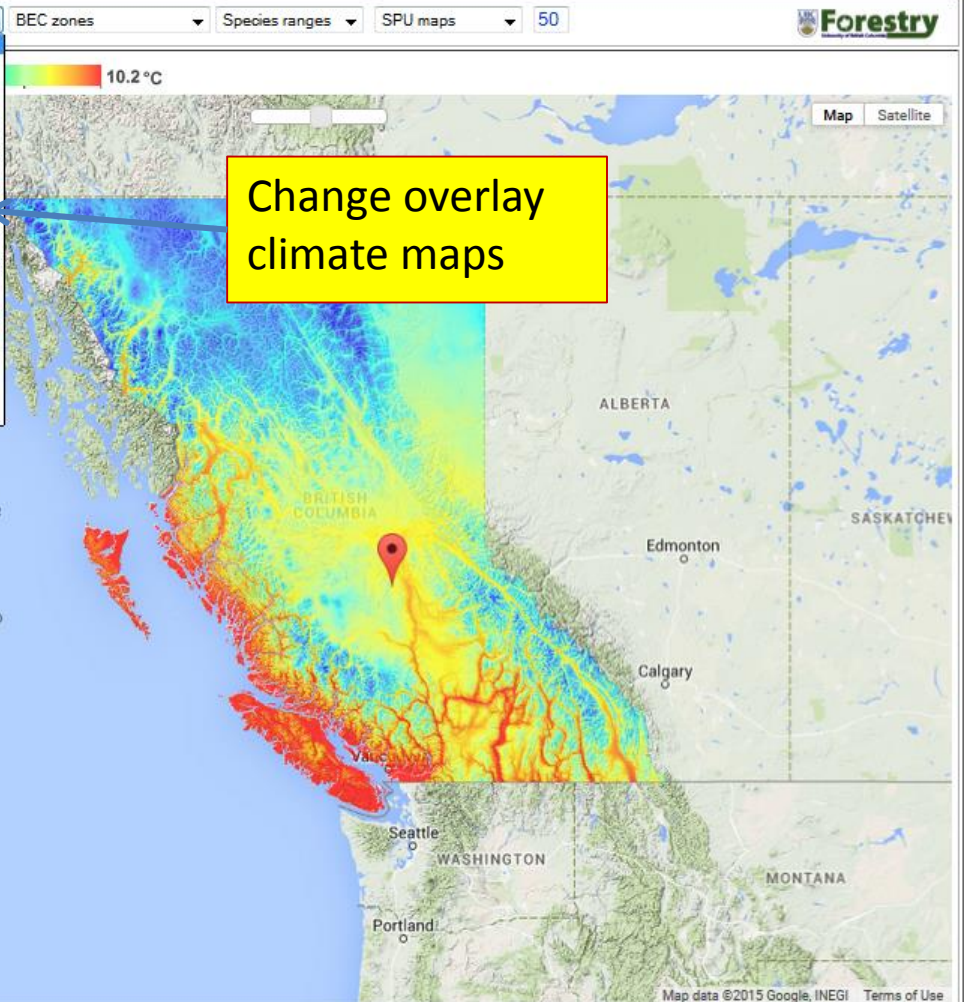
MAT = 2.5	Tmax_wt = -3.5	Tmax(01) = -5.3
MWMT = 13.8	Tmax_sp = 9.3	Tmax(02) = -0.3
MCMT = -10.1	Tmax_sm = 19.7	Tmax(03) = 3.8
TD = 23.9	Tmax_at = 8.4	Tmax(04) = 9.4
MAP = 531	Tmin_wt = -13.5	Tmax(05) = 14.6
MSP = 270	Tmin_sp = -3.7	Tmax(06) = 18.1
AHM = 23.5	Tmin_sm = 5.8	Tmax(07) = 20.7
SHM = 51.1	Tmin_at = -2.6	Tmax(08) = 20.2
DD<0 = 1097	Tave_wt = -8.5	Tmax(09) = 16
DD>5 = 1016	Tave_sp = 2.8	Tmax(10) = 9.4
DD<18 = 5645	Tave_sm = 12.8	Tmax(11) = -0.1
DD>18 = 16	Tave_at = 2.9	Tmax(12) = -5
NFFD = 142	PPT_wt = 133	Tmin(01) = -14.9
bFFP = 164	PPT_sp = 85	Tmin(02) = -11.6
eFFP = 248	PPT_sm = 187	Tmin(03) = -8.1
FFP = 84	PPT_at = 127	Tmin(04) = -3.6

Append to  Count

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- Overlays: Climate maps
- MAT 1961-1990 normal
  - MAP 1961-1990 normal
  - MCMT 1961-1990 normal
  - DD>5 1961-1990 normal
  - AHM 1961-1990 normal
  - SHM 1961-1990 normal
  - FFP 1961-1990 normal
  - EMT 1961-1990 normal
  - PAS 1961-1990 normal
  - Eref 1961-1990 normal
  - CMD 1961-1990 normal
  - MAT changed (2001-2009)
  - MAP changed (2001-2009)
  - CGCM3a2r4\_MAT 2020s
  - CGCM3a2r4\_MAT 2050s
  - CGCM3a2r4\_MAT 2080s
  - CGCM3a2r4\_MAP 2020s
  - CGCM3a2r4\_MAP 2050s
  - CGCM3a2r4\_MAP 2080s



Change overlay climate maps

[ClimateNA Map](#) [ClimateWNA Map](#)





## ClimateBC\_Map

**-- A Interactive Platform for Visualization and Data Access**

Coordinates Input (click on the map or type in coordinates)

Latitude	51.355	Longitude	-125.460
Elev (m)	1979	Historical	Normal_1961_1990
Future	Select a GCM and a period		

## Quick Tutorial

Help

Calculate

Annual Variables	Seasonal Variables	Monthly Variables
<p>1. <math>Y_t</math> = annual time series</p> <p>2. <math>Y_t</math> = annual time series</p> <p>3. <math>Y_t</math> = annual time series</p> <p>4. <math>Y_t</math> = annual time series</p> <p>5. <math>Y_t</math> = annual time series</p> <p>6. <math>Y_t</math> = annual time series</p> <p>7. <math>Y_t</math> = annual time series</p> <p>8. <math>Y_t</math> = annual time series</p> <p>9. <math>Y_t</math> = annual time series</p> <p>10. <math>Y_t</math> = annual time series</p>	<p>1. <math>Y_t</math> = seasonal time series</p> <p>2. <math>Y_t</math> = seasonal time series</p> <p>3. <math>Y_t</math> = seasonal time series</p> <p>4. <math>Y_t</math> = seasonal time series</p> <p>5. <math>Y_t</math> = seasonal time series</p> <p>6. <math>Y_t</math> = seasonal time series</p> <p>7. <math>Y_t</math> = seasonal time series</p> <p>8. <math>Y_t</math> = seasonal time series</p> <p>9. <math>Y_t</math> = seasonal time series</p> <p>10. <math>Y_t</math> = seasonal time series</p>	<p>1. <math>Y_t</math> = monthly time series</p> <p>2. <math>Y_t</math> = monthly time series</p> <p>3. <math>Y_t</math> = monthly time series</p> <p>4. <math>Y_t</math> = monthly time series</p> <p>5. <math>Y_t</math> = monthly time series</p> <p>6. <math>Y_t</math> = monthly time series</p> <p>7. <math>Y_t</math> = monthly time series</p> <p>8. <math>Y_t</math> = monthly time series</p> <p>9. <math>Y_t</math> = monthly time series</p> <p>10. <math>Y_t</math> = monthly time series</p>

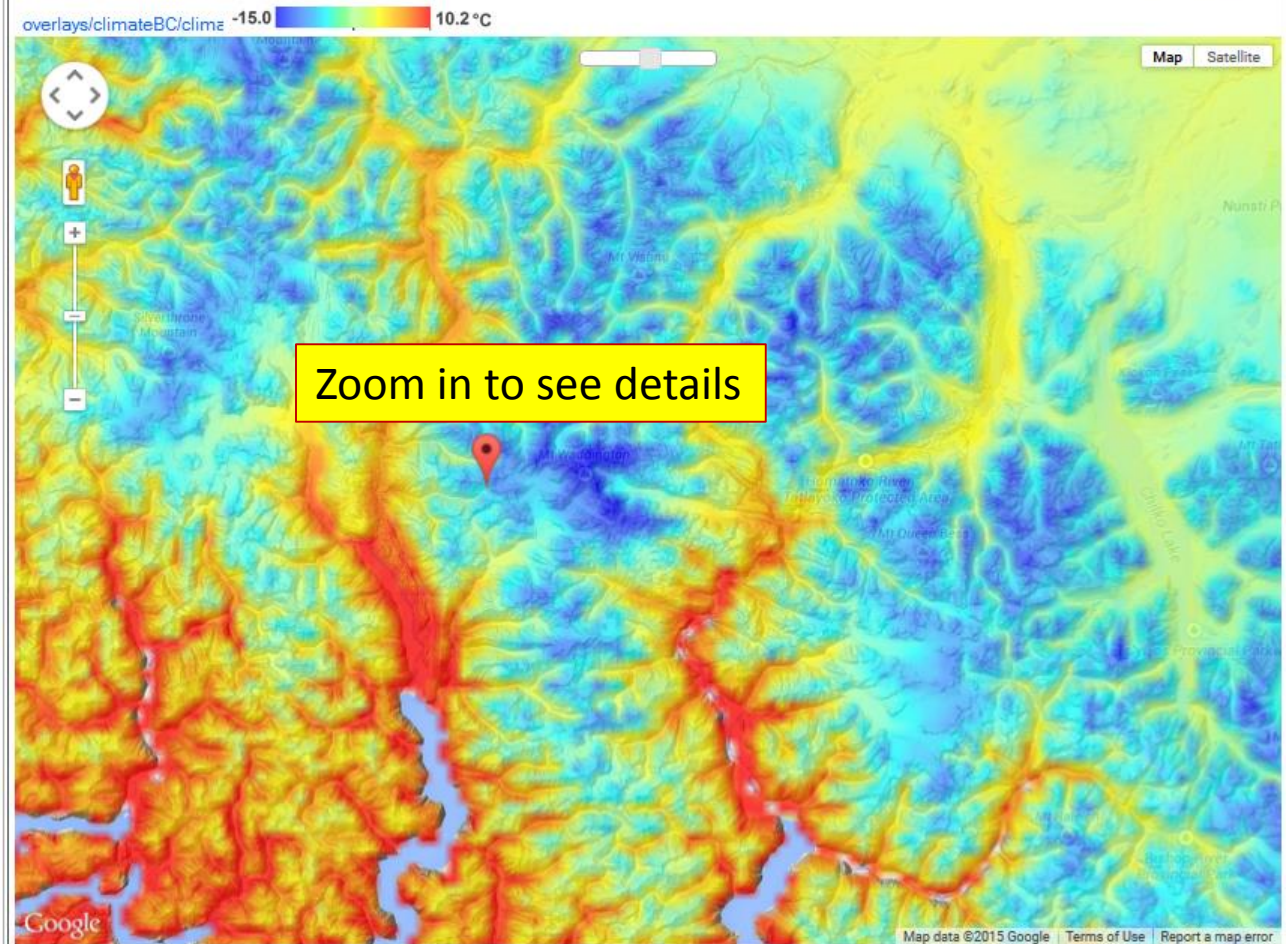
MAT = -1.1	Tmax_wt = -3.6	Tmax(01) = -4.2
MWMT = 7.6	Tmax_sp = 2.6	Tmax(02) = -2.3
MCMT = -8.4	Tmax_sm = 11.5	Tmax(03) = -0.6
TD = 16.1	Tmax_at = 3.9	Tmax(04) = 1.9
MAP = 3142	Tmin_wt = -12.3	Tmax(05) = 6.4
MSP = 641	Tmin_sp = -7.4	Tmax(06) = 9.4
AHM = 2.8	Tmin_sm = 1.2	Tmax(07) = 12.3
SHM = 11.9	Tmin_at = -4.4	Tmax(08) = 12.6
DD<0 = 1358	Tave_wt = -7.9	Tmax(09) = 9.7
DD>5 = 282	Tave_sp = -2.4	Tmax(10) = 4
DD<18 = 6944	Tave_sm = 6.4	Tmax(11) = -2
DD>18 = 1	Tave_at = -0.3	Tmax(12) = -4.3
NFFD = 83	PPT_wt = 1119	Tmin(01) = -12.6
bFFP = 188	PPT_sp = 585	Tmin(02) = -11.8
eFFP = 237	PPT_sm = 331	Tmin(03) = -10.7
FFP = 49	PPT_at = 1107	Tmin(04) = -7.5

Append to ClimateData.csv Count 0 Save Clear

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Overlays: Climate maps ▼ BEC zones ▼ Species ranges ▼ SPU maps ▼ 50



## Zoom in to see details

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[ClimateWNA Map](#)





## ClimateBC\_Map

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Coordinates Input (click on the map or type in coordinates)

Latitude	<input type="text" value="52.98"/>	Longitude	<input type="text" value="-123.02"/>
Elev (m)	<input type="text" value="1000"/>	Historical	<input type="text" value="Normal_1961_1990"/>
Future	<input type="text" value="Select a GCM and a period"/>		

[Quick Tutorial](#)[Help](#)[Calculate](#)

### Annual Variables

MAT = 2.5  
MWMAT = 13.8  
MCMT = -10.1  
TD = 23.9  
MAP = 531  
MSP = 270  
AHM = 23.5  
SHM = 51.1  
DD<0 = 1097  
DD>5 = 1016  
DD<18 = 5645  
DD>18 = 16  
NFFD = 142  
bFFP = 164  
eFFP = 248  
FFP = 84

### Seasonal Variables

Tmax\_wt = -3.5  
Tmax\_sp = 9.3  
Tmax\_sm = 19.7  
Tmax\_at = 8.4  
Tmin\_wt = -13.5  
Tmin\_sp = -3.7  
Tmin\_sm = 5.8  
Tmin\_at = -2.6  
Tave\_wt = -8.5  
Tave\_sp = 2.8  
Tave\_sm = 12.8  
Tave\_at = 2.9  
PPT\_wt = 133  
PPT\_sp = 85  
PPT\_sm = 187  
PPT\_at = 127

### Monthly Variables

Tmax(01) = -5.3  
Tmax(02) = -0.3  
Tmax(03) = 3.8  
Tmax(04) = 9.4  
Tmax(05) = 14.6  
Tmax(06) = 18.1  
Tmax(07) = 20.7  
Tmax(08) = 20.2  
Tmax(09) = 16  
Tmax(10) = 9.4  
Tmax(11) = -0.1  
Tmax(12) = -5  
Tmin(01) = -14.9  
Tmin(02) = -11.6  
Tmin(03) = -8.1  
Tmin(04) = -3.6

[Append to](#)

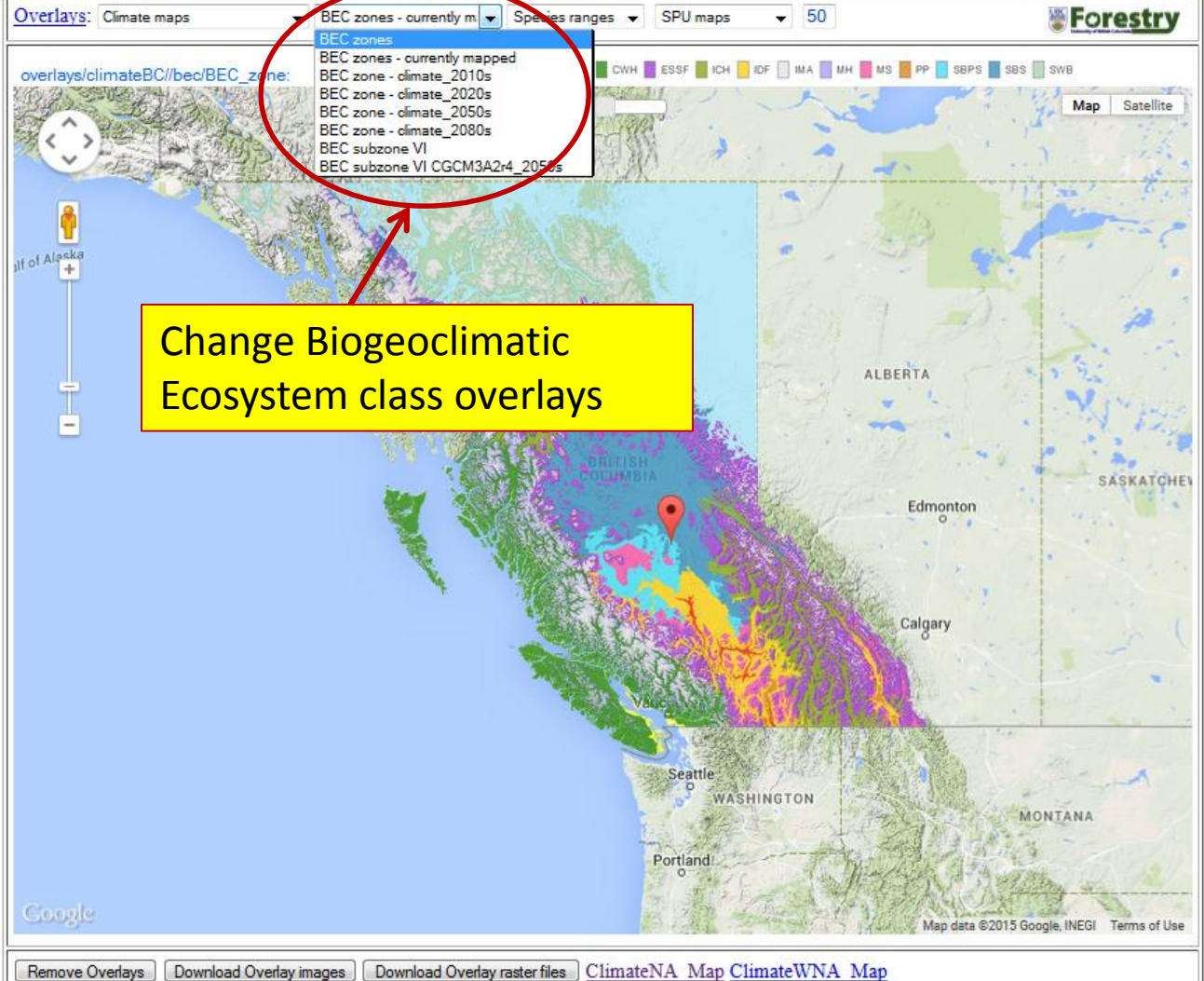
ClimateData.csv

Count 0

[Save](#)[Clear](#)

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## Forestry

FACULTY OF FORESTRY



## ClimateBC\_Map

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Coordinates Input (click on the map or type in coordinates)

Latitude  Longitude

Elev (m)  Historical

Future

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Annual Variables Seasonal Variables Monthly Variables

[Append to](#)   [Save](#) [Clear](#)

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Overlays: Climate maps

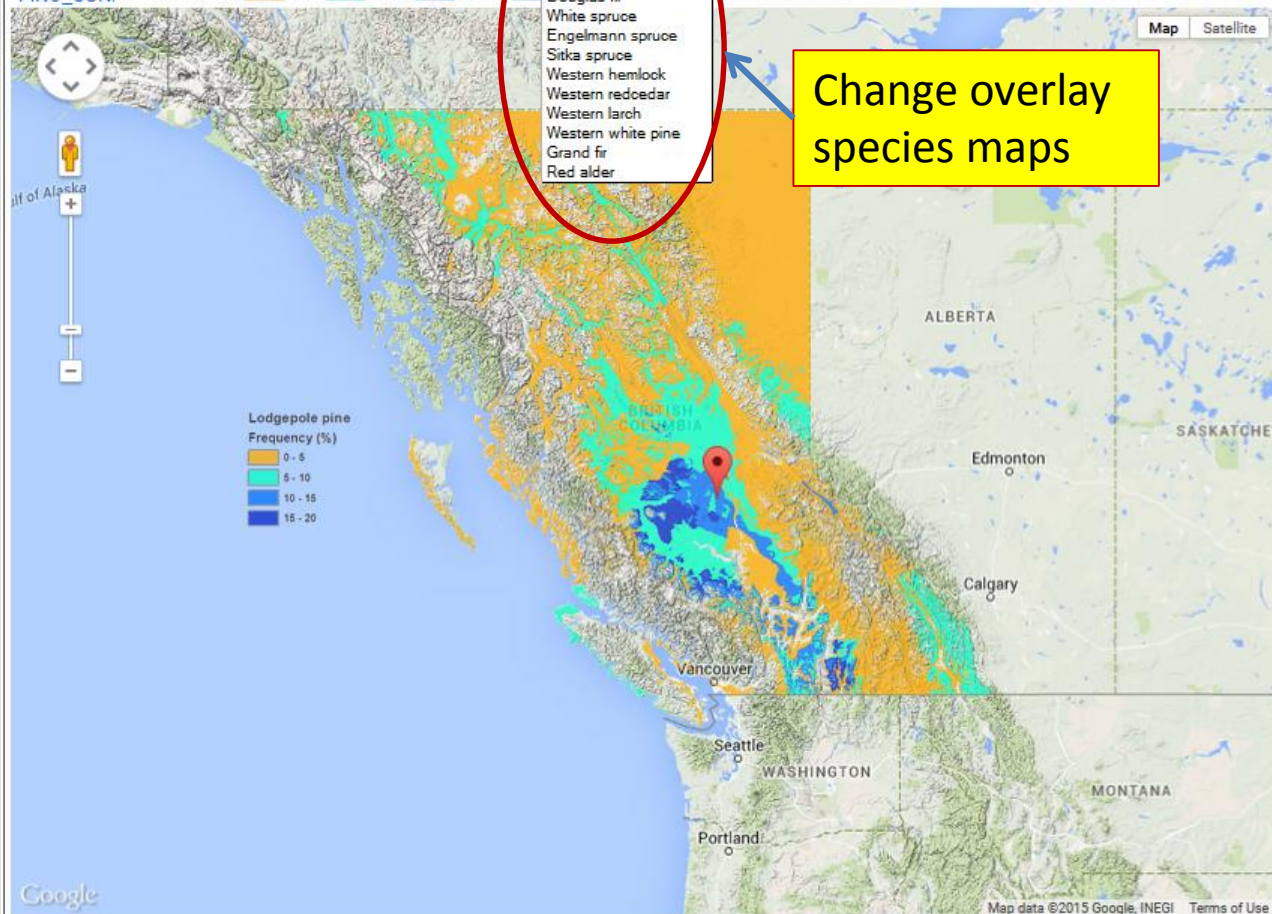
BEC zones

Lodgepole pine

SPU maps

25

PINU\_CON: Frequency (%): 0 - 5 5 - 10 10 - 15

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## ClimateBC\_Map

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Coordinates Input (click on the map or type in coordinates)

Latitude  Longitude

Elev (m)  Historical

Future

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Annual Variables Seasonal Variables Monthly Variables

Append to

ClimateData.csv

Count 0

Save

Clear

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Overlays:

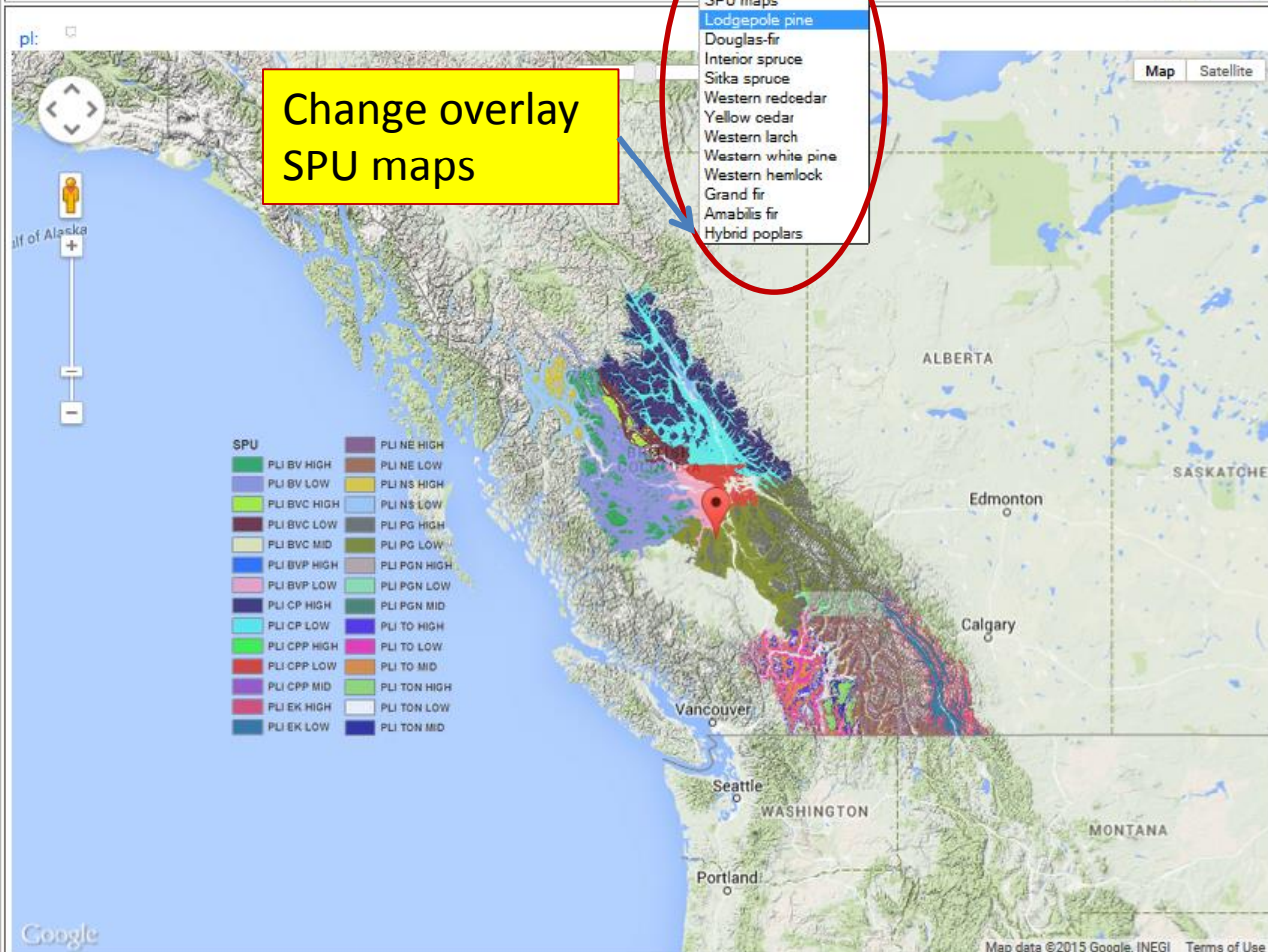
Climate maps

BEC zones

Lodgepole pine

- Lodgepole pine
- SPU maps
- Lodgepole pine
- Douglas-fir
- Interior spruce
- Sitka spruce
- Western redcedar
- Yellow cedar
- Western larch
- Western white pine
- Western hemlock
- Grand fir
- Amabilis fir
- Hybrid poplars

Change overlay  
SPU maps



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## ClimateBC\_Map

-- A Interactive Platform for Visualization and Data Access

Coordinates Input (click on the map or type in coordinates)

Latitude  Longitude

Elev (m)  Historical

Future

Quick Tutorial

Help

Calculate

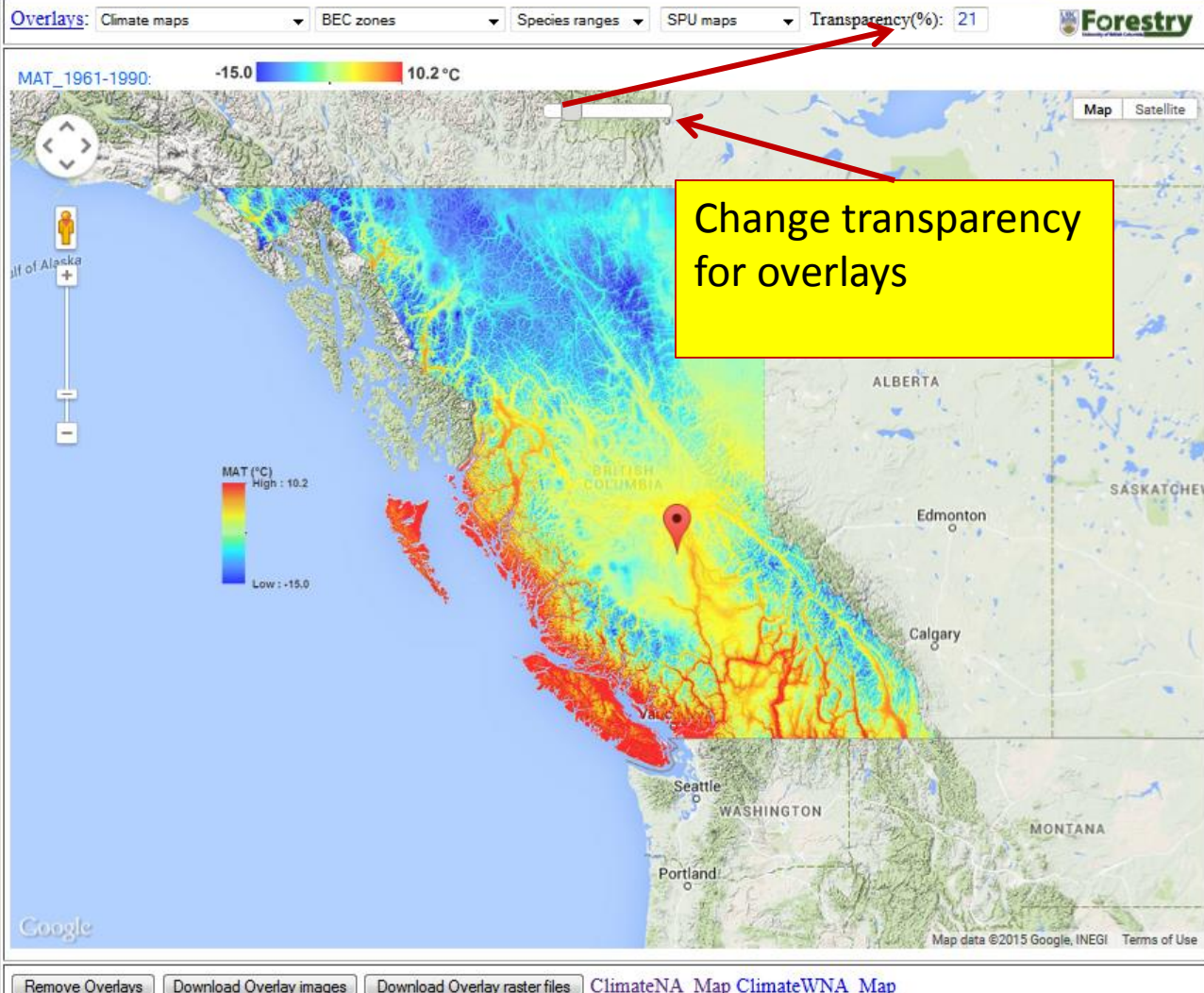
### Annual Variables Seasonal Variables Monthly Variables

MAT = 2.5	Tmax_wt = -3.5	Tmax(01) = -5.3
MWMT = 13.8	Tmax_sp = 9.3	Tmax(02) = -0.3
MCMT = -10.1	Tmax_sm = 19.7	Tmax(03) = 3.8
TD = 23.9	Tmax_at = 8.4	Tmax(04) = 9.4
MAP = 531	Tmin_wt = -13.5	Tmax(05) = 14.6
MSP = 270	Tmin_sp = -3.7	Tmax(06) = 18.1
AHM = 23.5	Tmin_sm = 5.8	Tmax(07) = 20.7
SHM = 51.1	Tmin_at = -2.6	Tmax(08) = 20.2
DD<0 = 1097	Tave_wt = -8.5	Tmax(09) = 16
DD>5 = 1016	Tave_sp = 2.8	Tmax(10) = 9.4
DD<18 = 5645	Tave_sm = 12.8	Tmax(11) = -0.1
DD>18 = 16	Tave_at = 2.9	Tmax(12) = -5
NFFD = 142	PPT_wt = 133	Tmin(01) = -14.9
bFFP = 164	PPT_sp = 85	Tmin(02) = -11.6
eFFP = 248	PPT_sm = 187	Tmin(03) = -8.1
FFP = 84	PPT_at = 127	Tmin(04) = -3.6

Append to  Count

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Coordinates Input (click on the map or type in coordinates)

Latitude  Longitude

Elev (m)  Historical

Future

Quick Tutorial

Help

Calculate

### Annual Variables Seasonal Variables Monthly Variables

MAT = 2.5	Tmax_wt = -3.5	Tmax(01) = -5.3
MWMT = 13.8	Tmax_sp = 9.3	Tmax(02) = -0.3
MCMT = -10.1	Tmax_sm = 19.7	Tmax(03) = 3.8
TD = 23.9	Tmax_at = 8.4	Tmax(04) = 9.4
MAP = 531	Tmin_wt = -13.5	Tmax(05) = 14.6
MSP = 270	Tmin_sp = -3.7	Tmax(06) = 18.1
AHM = 23.5	Tmin_sm = 5.8	Tmax(07) = 20.7
SHM = 51.1	Tmin_at = -2.6	Tmax(08) = 20.2
DD<0 = 1097	Tave_wt = -8.5	Tmax(09) = 16
DD>5 = 1016	Tave_sp = 2.8	Tmax(10) = 9.4
DD<18 = 5645	Tave_sm = 12.8	Tmax(11) = -0.1
DD>18 = 16	Tave_at = 2.9	Tmax(12) = -5
NFFD = 142	PPT_wt = 133	Tmin(01) = -14.9
bFFP = 164	PPT_sp = 85	Tmin(02) = -11.6
eFFP = 248	PPT_sm = 187	Tmin(03) = -8.1
FFP = 84	PPT_at = 127	Tmin(04) = -3.6

Append to  Count

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Disclaimer: Predictions of historical and future climates are based on the methodologies described in [Wang et al. 2012](#). Authors do not bear any liability for financial or other losses due the use of this program.

Overlays: Climate maps

BEC zones

Species ranges

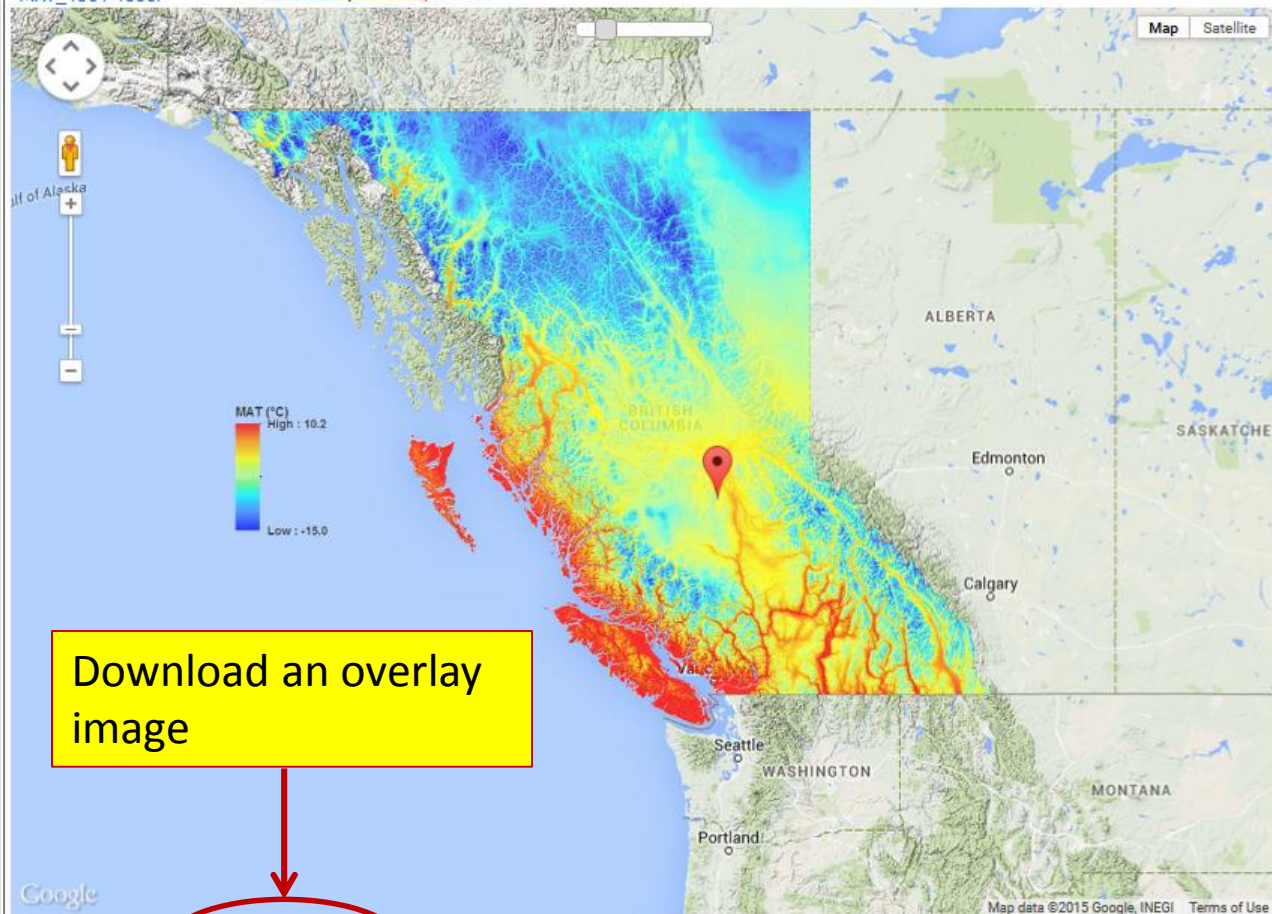
SPU maps

Transparency(%):



MAT\_1961-1990:

-15.0 10.2 °C



Download an overlay  
image

[ClimateNA Map](#) [ClimateWNA Map](#)



## ClimateBC\_Map

-- A Interactive Platform for Visualization  
and Data Access

Coordinates Input (click on the map or type in coordinates)

Latitude  Longitude

Elev (m)  His

Future

Quick Tutorial

He

## Annual Variables

MAT = 2.5  
MWMT = 13.8  
MCMT = -10.1  
TD = 23.9  
MAP = 531  
MSP = 270  
AHM = 23.5  
SHM = 51.1  
DD<0 = 1097  
DD>5 = 1016  
DD<18 = 5645  
DD>18 = 16  
NFFD = 142  
bFFP = 164  
eFFP = 248  
FFP = 84

## Seasonal V

Tmax\_wt =  
Tmax\_sp =  
Tmax\_sm =  
Tmax\_at =  
Tmin\_wt =  
Tmin\_sp =  
Tmin\_sm =  
Tmin\_at =  
Tave\_wt =  
Tave\_sp =  
Tave\_sm =  
Tave\_at =  
PPT\_wt =  
PPT\_sp =  
PPT\_sm =  
PPT\_at =

Tmin(03) = -8.1  
Tmin(04) = -3.6

Append to  Count

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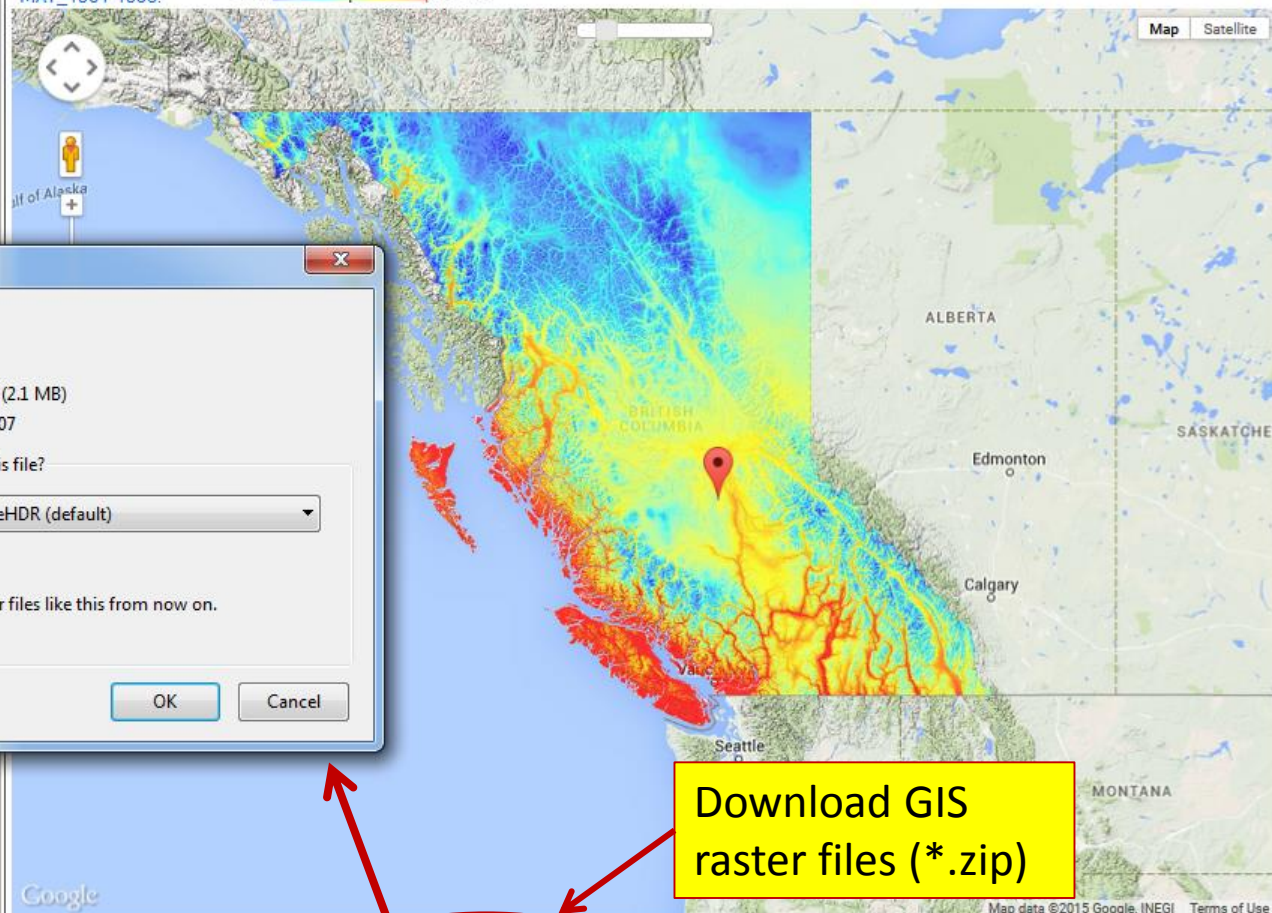
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Overlays:

Transparency(%):



MAT\_1961-1990: -15.0 10.2 °C



Opening mat\_1961\_1990.tif

You have chosen to open:

mat\_1961\_1990.tif

which is: Luminance HDR (2.1 MB)

from: http://localhost:56107

What should Firefox do with this file?

☒ Open with

LuminanceHDR (default)

☐ Save File

☐ Do this automatically for files like this from now on.

OK

Cancel

Download GIS  
raster files (\*.zip)

[ClimateNA Map](#) [ClimateWNA Map](#)





## ClimateBC\_Map

-- A Interactive Platform for Visualization and Data Access

Coordinates Input (click on the map or type in coordinates)

Latitude  Longitude

Elev (m)  Historical

Future

Quick Tutorial

Help

Calculate

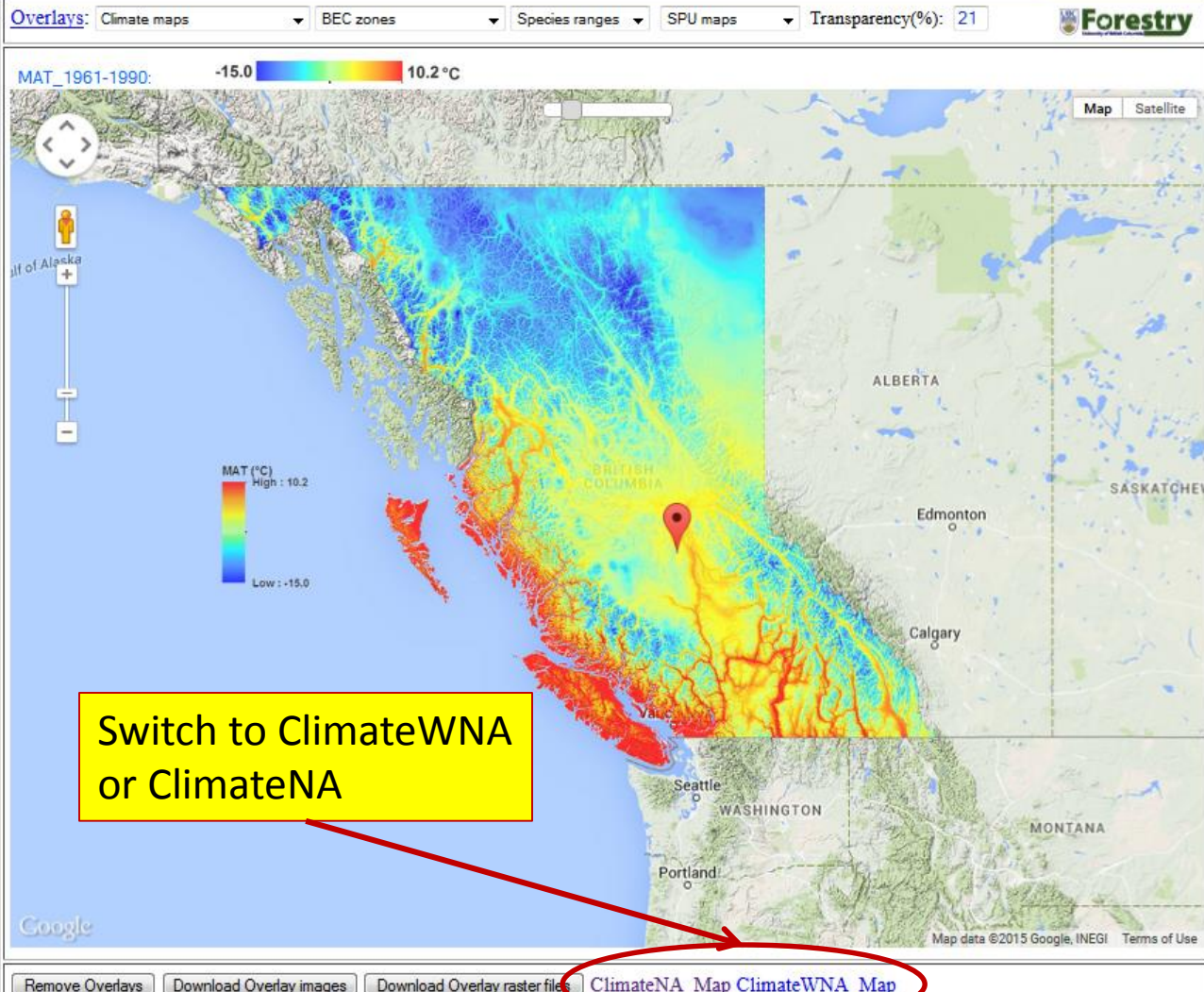
### Annual Variables Seasonal Variables Monthly Variables

MAT = 2.5	Tmax_wt = -3.5	Tmax(01) = -5.3
MWMT = 13.8	Tmax_sp = 9.3	Tmax(02) = -0.3
MCMT = -10.1	Tmax_sm = 19.7	Tmax(03) = 3.8
TD = 23.9	Tmax_at = 8.4	Tmax(04) = 9.4
MAP = 531	Tmin_wt = -13.5	Tmax(05) = 14.6
MSP = 270	Tmin_sp = -3.7	Tmax(06) = 18.1
AHM = 23.5	Tmin_sm = 5.8	Tmax(07) = 20.7
SHM = 51.1	Tmin_at = -2.6	Tmax(08) = 20.2
DD<0 = 1097	Tave_wt = -8.5	Tmax(09) = 16
DD>5 = 1016	Tave_sp = 2.8	Tmax(10) = 9.4
DD<18 = 5645	Tave_sm = 12.8	Tmax(11) = -0.1
DD>18 = 16	Tave_at = 2.9	Tmax(12) = -5
NFFD = 142	PPT_wt = 133	Tmin(01) = -14.9
bFFP = 164	PPT_sp = 85	Tmin(02) = -11.6
eFFP = 248	PPT_sm = 187	Tmin(03) = -8.1
FFP = 84	PPT_at = 127	Tmin(04) = -3.6

Append to  Count

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# More will be coming ...

- This map-based website will serve as a platform to host spatial data from our climate change studies for interactive and easy access.
- Your comments and suggestions are welcome.

Thank you for using ClimateBC\_Map