Coquitlam Weather and Climate / Wolf Read / 2017 Annual Review / Key Charts / © 2018

Liquid Precipitation (mm)  Frozen Precipitation (cm)
Jan: Missing  Jul: 3.3  Jan: Missing (~3 cm at CWNM)
Feb: 166.4  Aug: 13.5  Feb: 40.4
Mar: 401.8  Sep: 53.1  Mar: 27.2
Apr: 225.8  Oct: 246.1  Oct: T (small hail)
May: 160.0  Nov: 312.2  Nov: 1.9
Jun: 64.8  Dec: 242.8  Dec: 12.7

Annual Feb-Dec: 1,889.8  Annual Feb-Dec: 82.2
Annual with Jan est: 2,052.4  Hoquiam WA Feb-Dec: 1,828.8  Total thunderstorm days: 8

Riverview Heights, Coquitlam, BC
49.25329° -122.80695°, Elevation 79 m

-6.2°C and
-3.5°C

Both on 08 February

Longest dry spell
29 days without measurable precipitation (trace or less)
21 June to 19 July

Longest continuous wet spell
34 days with measurable precipitation
14 February to 19 March
(Based on midnight-midnight, not 0600-0600)

Highest temperature
34.9°C on 25 June

Highest daily mean temperature
26.7°C on 04 September

Highest daily rainfall
77.0 mm in 24 hr
56.8 mm in 6 hr
18 October

Last frost of 2016-17 season
07 May

First frost of 2017-18 season
04 November

Longest wet-season dry spell
12 days without measurable precipitation
03 to 14 December
<table>
<thead>
<tr>
<th>Monthly Mean SL Pressure (hPa)</th>
<th>Monthly Mean Daily Peak Gust (km/h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan: Missing</td>
<td>Jan: Missing</td>
</tr>
<tr>
<td>Feb: 1011.0</td>
<td>Jul: 1018.6</td>
</tr>
<tr>
<td>Mar: 1015.0</td>
<td>Aug: 1015.9</td>
</tr>
<tr>
<td>Apr: 1015.2</td>
<td>Sep: 1015.3</td>
</tr>
<tr>
<td>May: 1016.5</td>
<td>Oct: 1019.0</td>
</tr>
<tr>
<td>Jun: 1016.4</td>
<td>Nov: 1012.6</td>
</tr>
<tr>
<td></td>
<td>Dec: 1025.3</td>
</tr>
<tr>
<td>Annual Feb-Dec: 1016.4</td>
<td>Annual Feb-Dec: 12.9 164°</td>
</tr>
<tr>
<td>Standard SL Pres: 1013.3</td>
<td></td>
</tr>
</tbody>
</table>

Riverview Heights, Coquitlam, BC
49.25329° - 122.80695°, Elevation 79 m

2017

- Highest 2.5-sec Wind (km/h) 45 km/h (51 km/h 2nd sensor)
  07 April

- Highest barometric pressure
  1039.8 hPa (30.71" Hg)
  06 December

- "Summer Mode"
  Reduced pressure variance and consistent diurnal wind

- Least windy month of the year
  due to strong and persistent high-pressure ridging

- Maximum 2.5-sec gust: 15 km/h
- Average daily max gust: 5 km/h
- December

Lowest pressure 967.2 hPa (29.15" Hg)
09 February

Primary anemometer sensor raised to 2 m above highest location on house rooftop
02 April
Riverview Heights, Coquitlam, BC  
49.25329° -122.80695°, Elevation 79 m

2017

- Lowest Dew Point Temperature
  -17.0°C  
  01 and 02 February

- Highest Dew Point Temperature
  19.7°C  
  10 August

- Unusually early Fraser gap wind event brings very dry air into region during mid September

- Sharp downswing in dew point during the wet season are almost always due to Fraser gap wind events

- The February lows were due to a strong Fraser Gap wind event that brought a deep continental polar (cP) air intrusion.

- The opposite of the Fraser gap wind events: A strong maritime tropical (mT) air intrusion elevated dew points to summer-like levels  
  22 November

Lowest Daily Mean Relative Humidity
37%, with a daily minimum of 15%
02 February

Lower than any day in the summer! Though a few days got close, including 14 September with a 40% mean.
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Monthly Mean Temperatures (°C)

<table>
<thead>
<tr>
<th>Month</th>
<th>Hi</th>
<th>Lo</th>
<th>Avg</th>
<th>Hi</th>
<th>Lo</th>
<th>Avg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
<td>5.0*</td>
<td>-2.9*</td>
<td>1.1*</td>
<td>Jul</td>
<td>25.7</td>
<td>13.8</td>
</tr>
<tr>
<td>Feb</td>
<td>6.5</td>
<td>0.1</td>
<td>3.2</td>
<td>Aug</td>
<td>27.4</td>
<td>15.4</td>
</tr>
<tr>
<td>Mar</td>
<td>8.6</td>
<td>3.1</td>
<td>5.9</td>
<td>Sep</td>
<td>22.8</td>
<td>12.9</td>
</tr>
<tr>
<td>Apr</td>
<td>13.5</td>
<td>5.8</td>
<td>9.6</td>
<td>Oct</td>
<td>14.9</td>
<td>7.1</td>
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<td>19.5</td>
<td>8.6</td>
<td>14.0</td>
<td>Nov</td>
<td>8.7</td>
<td>4.1</td>
</tr>
<tr>
<td>Jun</td>
<td>22.2</td>
<td>11.7</td>
<td>17.0</td>
<td>Dec</td>
<td>4.6</td>
<td>0.0</td>
</tr>
</tbody>
</table>

Annual Average Jan-Dec: 15.0 7.5 10.8

*Using Pitt Meadows (CWM) due to missing data

Riverview Heights, Coquitlam, BC
49.25329° -122.80695°, Elevation 79 m

2017

Highest 30-day Total Precipitation
410.5 mm (16.16“)
01 April

Highest 30-day Mean High Temperature
27.5°C
28 August

Highest 30-day Mean Temperature
21.5°C
29 August & 06 Sep

Highest 30-day Mean Low Temperature
15.6°C
07 September

Autumn Max 30-day Total Precipitation
362.7 mm (14.27“)
02 December

Lowest 30-day Mean Low Temperature
−0.2°C
02 March

"The Dry"

Lowest 30-day Total Precipitation
0.5 mm (0.02“)
19-21 July

"Fall Transition" evident in sudden increase in 30-day precipitation totals −15 to 23 October

Lowest 30-day Mean High Temperature
4.5°C
31 December
Cold Advection mP Air
a

b

Avg T (°C)  Avg Td (°C)  Avg RH (%)

Temperature (°C)

Relative Humidity (%)

Time (PST) July 2017

Time (PST) December 2017