

## VANCOUVER ISLAND.

## TEMPERATURE.

The averages derived from observations made at Carmanah, Clayoquot, Quatsino and Cape Scott, when compared with those from observations made in the interior and at points on the east coast shew that the summers are from 5° to 10° cooler on the west coast. Spring is 3° warmer on the east coast and in the interior while winter and fall are practically the same. It may be seen from the table here given, however, that the stations on the west coast do shew the effect of latitude, in winter, Quatsino and Cape Scott having a mean temperature for the season about 2° cooler than that of either Carmanah or Clayoquot to the south.

Station.	Winter.	Spring.	Summer.	Fall.	Year.
	degrees.	degrees.	degrees.	degrees.	degrees.
Carmanah .....	40	45	55	49	47
Clayoquot .....	41	46	57	50	49
Quatsino .....	38	45	56	48	47
Cape Scott .....	38	43	54	48	46
<i>Means</i> .....	39	45	55	49	47
Thetis Island .....	37	47	60	48	48
Alberni .....	36	48	63	50	49
Cowichan .....	38	48	61	50	49
Quamichan .....	37	48	61	49	49
Kuper Island .....	37	47	61	49	49
Nanaimo .....	38	48	62	50	49
French Creek .....	37	46	60	47	48
Victoria .....	40	48	59	50	49
<i>Means</i> .....	38	48	61	49	49

The interior and eastern littoral stations are subject to greater extremes of temperature than the western littoral. Temperatures of 90° are of very rare occurrence on the west coast but inland and at stations on the Gulf of Georgia maxima of 95° and higher do frequently occur. Alberni has recorded 99° in June, 103° in July, 106° in August and 101° in September. This station, although called Alberni, in the publications of the Meteorological Service, is really situated at Beaver Creek, inland from the Alberni canal and at a considerable elevation above sea-level. It has exhibited some very peculiar fluctuations from its established monthly normal temperatures.

In the interior and on the east coast, including Esquimalt and Victoria, temperatures below zero have been recorded at long intervals. In the year 1895, February, 1.5° below zero was the minimum at Victoria. In 1886, 1887 and in 1890, temperatures from 1° to 3° below zero were recorded at Quamichan. At Carmanah, on the other hand, the two lowest temperatures on record are 4° above zero and 6° above zero.

Although the area of Vancouver Island is great enough to warrant the supposition that stations in the interior would shew relatively great variations in monthly temperatures, while littoral stations would display but small amplitudes of variation, yet the collected results of observations fail to make this manifest.

Differences in degrees between the temperatures of the warmest and the coldest month of the same name are as follows:—

	Nanaimo.	Quamichan.	French Creek.	Cowichan.	Clayoquot.	Carmanah.	Cape Scott.	Quatsino.
December .....	4	12	6	7	7	6	6	9
January .....	10	13	5	9	8	4	13	9
February .....	11	17	6	6	8	7	6	7
March .....	8	10	8	7	7	9	10	9
April .....	8	10	8	5	4	5	7	5
May .....	6	7	5	5	7	3	5	5
June .....	5	8	6	5	6	5	2	5
July .....	8	6	6	4	8	5	4	6
August .....	7	9	9	9	7	5	3	7
September .....	4	8	10	12	6	3	5	4
October .....	7	6	6	7	5	8	5	5
November .....	6	7	14	7	7	13	13	4