THE TEMPERATURE AND PRECIPITATION OF BRITISH COLUMBIA.

By A. J. CONNOR, M.A., Climatologist of the Meteorological Service.

Published under the Direction of
R. F. STUPART, F.R.S.Can.,
Linester of the Meteorological Service. Chief Office, Toronto.

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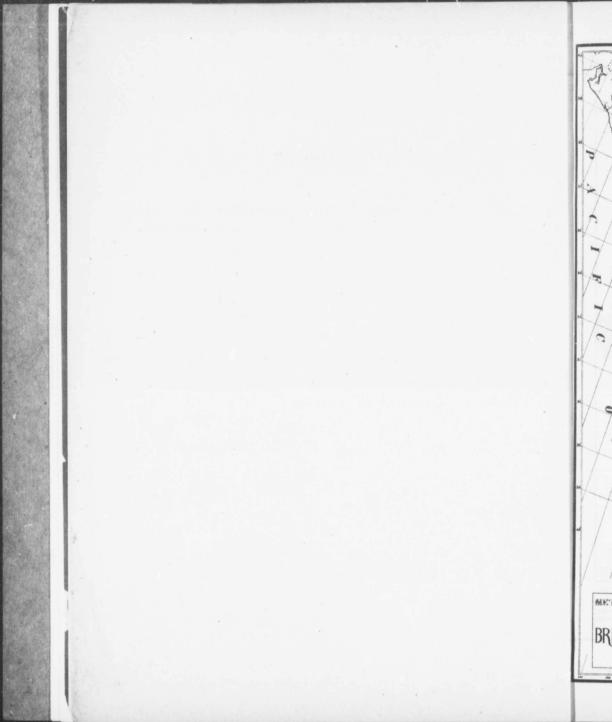
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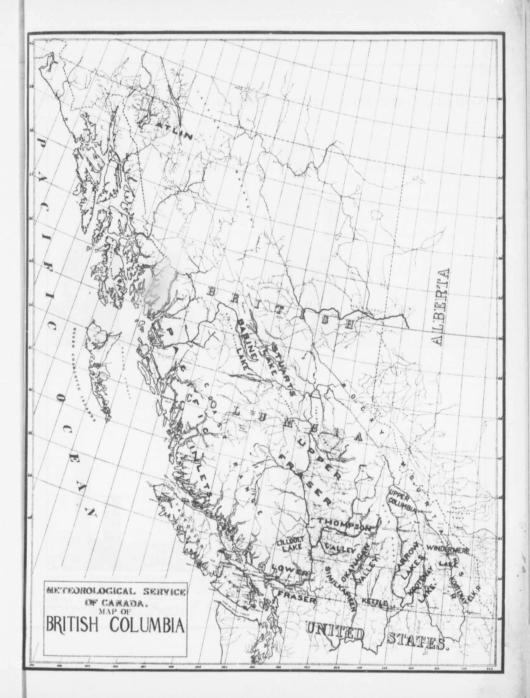
The demand for data concerning the climates of the provinces of Canada/having exhausted the supply of pamphlets and brochures which I have during many years as Director of the Meteorological Service prepared for distribution both in Canada and abroad, I have been led on account of the impossibility of devoting sufficient of my time to this branch of a rapidly growing Service, to arrange for the publication of a series of booklets upon the climates of Canada under the editorship of A. J. Connor, the climatologist of this Service. All the data arising from meteorological observations in Canada during the last seventy years or more will be analysed and published in synoptical form with comment. This, the first of these booklets, dealing with the temperature and precipitation of British Columbia, will be followed as soon as possible by a similar publication dealing with the data of the Northwestern Provinces, and in due time by others concerning the remaining provinces of the Confederation.

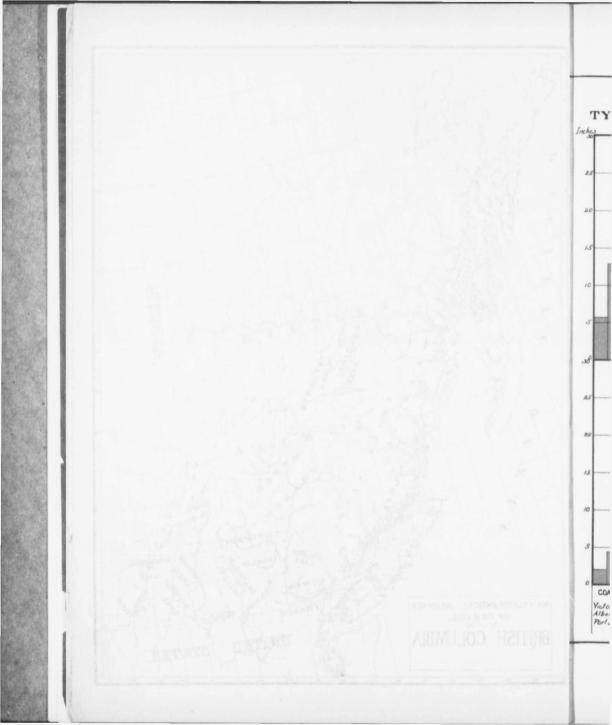
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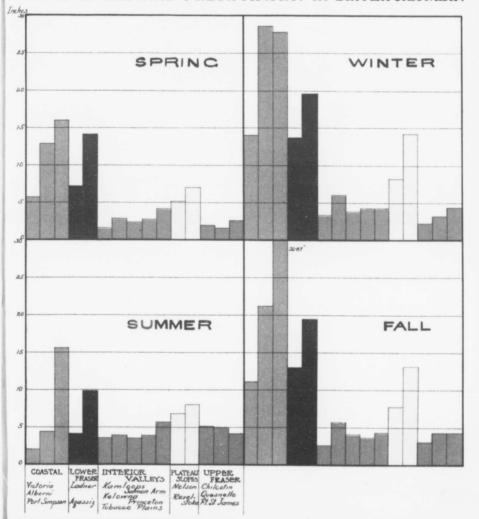
Meteorological Office, Toronto, April 1915.



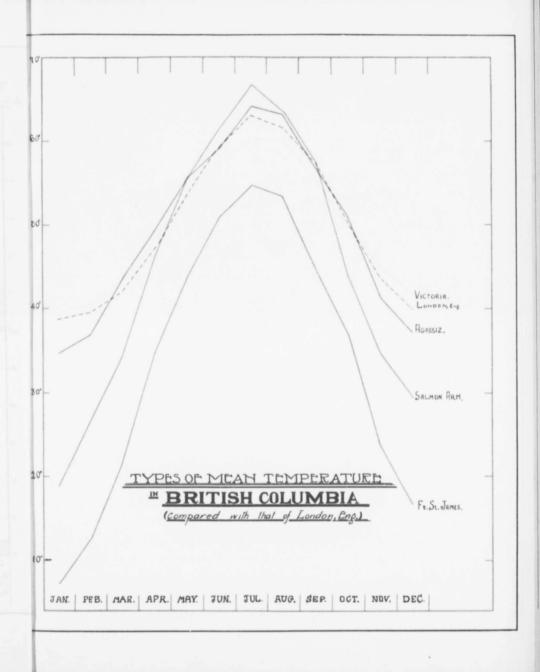




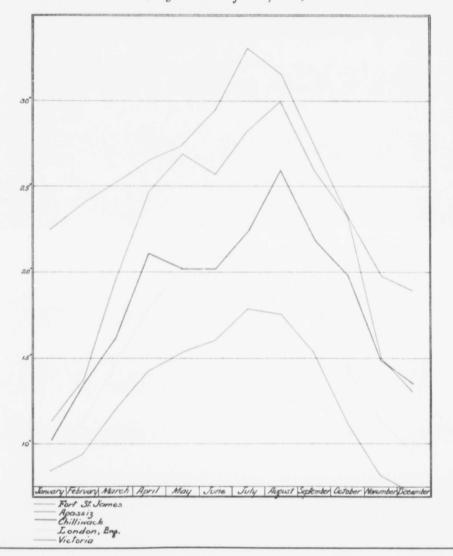
TYPES OF SEASONAL PRECIPITATION IN BRITISH COLUMBIA



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TYPES OF MEAN DAILY RANGE OF TEMPERATURE IN BRITISH COLUMBIA. (Range at London for companison.)



TYPES OF MIAN BAILY PARKE OF TEMPERATURE IN EXPESH COLUMNIA.



PART I.

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The Temperature and Precipitation of British Columbia.

The province of British Columbia is praciminently a country of mountain and valley. The great ranges are the Rocky Mountains, which separate it from Alberta, the Selkirks, the Gold and the Cariboo in the lower interior, the Cassiar Mountains in the far north, and the Coast Range which slopes towards the Pacific Ocean, and is, itself, parallelled by the partially submerged Island Range, which appears as Vancouver Island and Queen Charlotte Islands. In every depression there is to be found a stream of tortuous course, here and there broadening out into one of the lakes or arms which form such a distinguishing feature of the country. Many of these valleys are broad and fertile for they form the channels of all the principal rivers of the Pacific Coast of North America except the Colorado. But many of the smaller valleys, especially those of tributary streams, and the constricted portion of the Fraser Valley, afford for agriculture only a narrow strip, known colloquially as "bench-land", on either bank. Mining and lumbering, however, flourish in such districts. On the coast-line similar depressions are open to the sea and form the magnificent fiords of British Columbia, which surpass in grandeur those of Norway or of Scotland,

steeply rock-walled and winding mazily far into the interior.

The mountains, although they have so enormously reduced the arable area of the province, do to a certain extent make amends by their protection of the valleys from the severe cold waves which prevail in the same latitudes on the plains of the Northwest provinces: and on the other hand by their resistance to the eastward movement of the moisture-laden winds from the Pacific Ocean. By compelling the ascent of these saturated air-streams up their western slopes, they not only increase the rate of precipitation but they set free much of the latent heat of vaporization, and so warm the valleys as the drier air is forced down the eastern slopes. Naturally, the maximum benefit from these considerations accrues to those valleys which lie nearest the Ocean, and, besides, some depressions are so peculiarly situated that the precipitation is largely deposited upon the higher levels, the low levels remaining comparatively dry. But even in these less advantageous situations the run-off from the higher levels ultimately finds its way to natural reservoirs in the bottoms. From these reservoirs seepage provides natural irrigation for the bottom lands while artificial irrigation may be employed to water soil above the seepage-action. In some districts, as in the Upper Columbia valley, seepage has turned the low-lying land into marshes, but this has been successfully reclaimed by dyking.

Observations of temperature and precipitation have been made in British Columbia at stations of the Meteorological Service of Canada for many years, the bulk of the data, however, not antedating the year 1900. Few stations have maintained an unbroken record, and the greater number have very short periods of record. In the analysis of the results of these observations which is to be found in the following pages, it was decided to group the stations by valleys and the monthly data by seasons.

In the grouping by valleys a station at a higher level or at a valley junction, which could be assigned to either one of two valleys, was assigned to that one to which its most distinctive climatological characteristic seemed properly to link it.

In the grouping by seasons it was decided to take winter as the months of December, January and February; spring as March, April and May; summer as June, July and August; fall as September, October and November. This consideration of the data by seasons avoids that confusion of detail which is coincident with the examination of the twelve months individually, but the monthly figures are to be found in the tables of Part II.

i The general results of this analysis as regards mean daily temperature and total precipitation of the four seasons are tabulated below.

MEAN TEMPERATURE

MEAN TEMPERATURE											
District.	Winter.	Spring.	Summer.	Fall.							
Vancouver Island— West Coast.	degrees.	degrees.	degrees.	degrees.							
East Coast. Chompson River. Southern Kettle.	38 37 25 24	48 48 46 45 46	61 61 63 62 64	49 49 45 43 46							
Jkanagan Similkameen Jkanagan River-Osoyoos Arrow and Kootenay Lakes Elk and Kootenay Rivers	24 24 27 20	46 52 44 41	64 73 61 59	44 52 44 41							
Fobacco Plains Windermere Lake. Illecillewaet—Upper Columbia. Upper Fraser to Babine Lake.	25 18 15 12 to 24	44 41 39 33 to 47	63 59 58 52 to 66	43 39 39 35 to 45							
Pacific Coast—Queen Charlotte Islands	33 7	44 31	51	31							

In the Similkameen Valley below Keremeos it is probable that the same very hot summers prevail as are shewn by the temperatures for Fairview which are the basis of the figures given for the Okanagan River-Osoyoos Lake district.

Along the Elk and Kootenay rivers, the stations at Cranbrook, Ft. Steele, Fernie, and Gateway, are all cooler throughout the year than stations in the West Kootenay, but the station at Fruitlands Farm, east of Elko and Flagstone, on Tobacco Plains has a different climate and is listed under the latter name.

SEASONAL PRECIPITATION.

District.	Winter.	Spring.	Summer.	Fall.
	Inches.	Inches.	Inches,	Inches.
Vancouver Island —		0.5	40	
West Coast	40	20	10	35 15
East Coast.	18	10	4	10
ower Fraser. 'hompson River—	21	12	- 0	21
	9			0.1
Kamloops—Nicola,	0	2 0	0	25
Salmon Arm—Shuswap	10	0	70	0
Griffin Lake	12	95	19	8 91
outhern Kettle Valleys	.0	91	45	31
kanagan Valley	91	21	4 0	
imilkameen	21	21	6	7.0
last Kootenay	21	32	0	11
Vindermere Lake	91	91	51	91
llecillewaet—Upper Columbia	12	62	6	11
pper Fraser—Babine Lake.	5	4	6	51
oast—Queen Charlotte Islands	22	19	13	25
tlin	3	11	2.0	21

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VANCOUVER ISLAND.

TEMPERATURE.

The averages derived from observations made at Carmanah, Clayoquot, Quatsino and Seasonal Cape Scott, when compared with those from observations made in the interior and at points Temperature 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.

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Station.	Winter.	Spring.	Summer.	Fall.	Year.
Parmanah Hayoquot Juataino Juge Scott	degrees, 40 41 38 38	degrees. 45 46 45 43	degrees. 55 57 56 54	degrees. 49 50 48 48	degrees 47 49 47 46
Means	39	.45	55	49	47
Thetis Island Alberni Zowichan Juanichan Kuper Island Sanatino French Creek	37 36 38 37 37 33 37 40	47 48 48 48 47 48 46 48	60 63 61 61 61 62 60 59	48 50 50 49 49 50 47 50	48 49 49 49 49 49 48 49
Means	38	48	61	49	49

The interior and eastern littoral stations are subject to greater extremes of temperature Temperature than the western littoral. Temperatures of 90° are of very rare occurrence on the west coast but Extremes 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 Extreme stations in the interior would shew relatively great variations in monthly temperatures, while Variation of littoral stations would display but small amplitudes of variation, yet the collected results of Moan observations fail to make this manifest.

Monthly

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 10	12 13	6 5	7 9	7 8	6 4	6 13	9 9
darch	11 8 8	17 10 10	6 8 8	6 7 5	8 7 4	7 9 5	10 7	7 9 5
dayuneuly	8	8 6	6 6	5 4	6 8	5 5	2 4	5 6
Augusteptember	4	9 8 6	10 6	12 7	6 5	3 8 13	5 5	7 4 5

The observations from which these tables were made, however, cover varying periods of time, some extending back to the cold winters of the late eighties and early nineties, while others do not. Synchronal observations for a long period might confirm the supposition. The Table serves, however, to give a general view of the absolute range of monthly temperatures over the whole island.

Average Mean Daily Range of

The table given below shews that the daily range is greater on the east coast and in the interior than on the west coast: since even over the small area, comparatively, of Vancouver Island, the modifying influence of the ocean is not powerful enough to obliterate the tendency Temperature to extremes engendered over land. Proximity to the continental land across the strait of Georgia prevents stations situated similarly to Nanaimo and French Creek from exhibiting true littoral characteristics in this respect. Another factor which increases the daily range of temperature on a portion of the island is situation on the slope facing the strait. By intercomparison of the ranges at Nanaimo on the shore with those of Quamichan, beyond which the slope rises to the westward while to the eastward lie a portion of the main island, and the considerable land areas of Salt Spring, Pender, Saturna, Mayne and Galiano Islands, and those of Cowichan very nearly at the crest of the slope, we arrive at the conclusion that the effect of a situation on the slope running down to the strait of Georgia is to increase the daily range by about 8° during the months of May to September inclusive. During the same period the daily range at Victoria is increased by 6° over that of stations on the unprotected west coast. In this connection it may be observed that the temperatures at Victoria shew that it occupies a more or less mean position between the true maritime type of the west coast and the land-influenced type of the interior and of the strait of Georgia.

	Average Mean Daily Range of Temperature.									
-	Quatsino.	Cape Scott.	Carmanah.	Nanaimo.	Quamichan.	Kuper Island.	Victoria.	French Creek.	Cowichan.	
December January February March April May June June July August September October November	9 9 10 13 12 13 14 15 14 11 9	10 10 9 14 13 12 11 10 11 12 14 9	8 9 9 12 13 12 13 14 14 13 12 8	8 10 11 15 15 18 18 19 19 19 16 13	17 16 17 22 22 22 25 28 33 31 29 24 20	10 11 13 16 19 23 22 26 25 20 15 12	7 8·5 9 12 14 15 16 18 18 15 11 8	9 10 13 17:5 20 20 23 24 21 16	7 10 14 17 21 21 21 21 24 18 17 13	
Means	11:5	11:3	11:0	14:3	23-7	17:7	12.6	17:1	17:7	

The annual mean of the average daily range at Quatsino, Cape Scott, Carmanah, and Victoria is, therefore, 11.6° and at the other stations, all in the interior or on the east coast, 18 °1°.

The table appended will shew that the distinction between western littoral stations and Mean Daily Maximum and inland-eastern stations in this regard is not the depression of the minimum but the elevation of Minimum. the maximum points on the daily curve of temperature in the summer months, June, July, and August.

	Mean Maximum.	Mean Minimum
Quamiehan	76:7	45.9
Cowiehan	71.3	50.4
Kuper Island	72.9	49.1
Alberni	77 6	48.4
Nanaimo		52.4
French Creek		48:5
Means		49-1
Clayoquot		48.6
Carmanah	62.1	48.5
Quatrino		49.2
Cape Scott		48-6
Victoria		50.2
Means		49-1

The depression of the minimum on the west coast is, therefore, 0° but the elevation of the maximum in the interior-east coast is 9.7°. In the winter months, December, January, February, although the minimum is depressed 3.2° at the eastern-interior stations below that of the western ls of hers able

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f the uary, littoral stations, the depression of the maximum is not proportional, being only 1°. The winter figures follow:—

	Mean Maximum.	Mean Minimum.
Quamichan	. 45°1°	28.7
Cowiehan		32 1
Kuper Island		33.5
Alberni	41:9	30:5
Nanaimo		33 2
French Creek		32.0
Means	43 3	31-7
Clayoquot	46.2	35.0
Carmanah		35.6
Quatsino	. 42.7	33-8
Cape Scott		33.8
Victoria		36.2
Means		34:9

PRECIPITATION.

Precipitation on both the west and east coasts does, in general shew the same proportional Average seasonal distribution. This proportion appears to be, roughly, winter, spring, summer, fall, Annual in the ratio, 10:5:2:8. But while the annual amount on the west coast averages nearly 110 Precipitationes, on the east coast it is about 40 inches only.

	Nanaimo.	Kuper Island.	Quamichan.	Goldstream L.	Cowichan.	French Creek,	Alberni.	Denman Island.	Carmanah.	Cape Scott.	Quaterino.	Clayoquot.	Victoria.
Winter Spring Summer Fall Annual Snow		7·28 3·21 13·06	8:14 2:54 10:89	30°56 11°77 3°53 21°46 67°32 70	5:92 2:92 13:01	5:94 3:76 14:54	12 82 4 41 21 22	7:64 3:49 19:44	26:36 7:02 31:37	23:76 9:01 43:08	22 62 11 45 35 91 111 04	25 07 9 79 30 43	5:58 1:94

The snowfall is included in the seasonal and annual figures, which embrace the precipitation from all causes. The anomalous totals are those for Goldstream Lake, Alberni and Victoria. Goldstream is not far from Victoria, but inland and at a great elevation, evidently high enough to precipitate moisture from the Pacific winds in the spring, fall, and winter at nearly the same rate as the west coast stations. Victoria has shewn in recent years a considerable diminution in rainfall; in fact the exposure of the instrument has undoubtedly been faulty. For when the gauge was at Esquimalt, about three miles westward, the observations would fix the annual precipitation at about 42 inches or the same as that of Kuper Island or Nanaimo. Observations at Alberni (Beaver Creek) are made five miles due north of Alberni town and at an elevation of approximately 300 feet. Another, but much shorter, set of observations was made at Alberni (Sumas River), apparently on the canal and practically at sea-level. Thirty-five miles to seaward, down the Sound from Alberni is Banfield where another set was made. A comparison of these three series is interesting.

	On Sea,	35 miles from Sea	40 miles from Sea (300')
	Banfield.	Alberni (Sumas River.)	Alberni (Beaver Creek.)
Winter Spring Summer Fall Annual	36 68	29° 32	28 72
	16 83	13 61	12 82
	4 60	3° 26	4 41
	32 78	27° 03	21 22
	90 89	73° 22	67 17

The gradually decreasing precipitation as we go inland from the ocean and up the Sound, which is most apparent in the annual amounts is also shewn in every seasonal amount except that for summer. We are led to the conclusion that the situation of Beaver Creek at the head of a Sound, looking seaward from an elevation, gives it a littoral precipitation, although we have already seen that it is far enough inland to have a temperature which places it in the list of interior stations.

THE VALLEY OF THE LOWER FRASER.

TEMPERATURE.

Seasonal Mean Temperature

The averages for the seasons in this valley are almost identical with those from the east coast of Vancouver Island. Vancouver although on Burrard Inlet is included in this valley on account of the general similarity of its climate.

	Winter.	Spring.	Summer.	Fall.	Annual.
Vancouver New Westminster Laduer Stevesston Matsqui Agnasiz Chilliwack North Nicomen.	degrees. 37 37 37 37 37 36 36 36 37 37	degrees, 48 48 47 46 48 49 49	degrees, 62 61 61 59 61 62 62 62	degrees 49 49 49 49 48 49 50 50	degrees. 49 49 48 48 48 50 50

In the summer of 1908 an observer was appointed at Pemberton Hatchery on Lillooet Lake, and later one at Pemberton Meadows. While these stations were at first listed in the Monthly Weather Review with the Lower Fraser Stations, they really have a different climate as the following six-year averages for the former station shew.

Pemberton Hatchery	Winter	Spring	Summer	Fall	Annual.
	26°	440	61°	450	44°

The summer season has practically the same temperature as the main valley, but the situation nearly 2° of latitude to the north and in a narrow valley running in a general north and south direction depresses the winter mean more than 10°, and the spring and fall means by about 5°.

Temperature Extremes

Temperatures of 90° have been registered at Agassiz every year since 1889 except in the year 1909 when the highest was 88°. In July 1898 100° was recorded and 103° in August of the same year. In ten out of twenty-five years 95° has been reached or exceeded. 98° has been recorded at Chilliwack, 99° at North Nicomen, 97° at Matsqui, 94° at New Westminster, and 92° at Vancouver. At Ladner and Steveston, however, 85° has not yet been exceeded. In fact high maxima are not nearly so frequent at stations near the mouth of the Fraser in the summer.

Temperatures below zero occasionally occur in January, at points some distance from the coast falling to 10° below zero. The mean of the extreme lowest readings in Januaries for twenty five years at Agassiz, is 10° above zero: the mean of the extreme highest temperatures of the same month for the same period is 52°: a non-periodic range of 42°. At Vancouver, which is 62 miles west of Agassiz, as the crow flies, and on the coast of the mainland, the corresponding figures are 50° and 16°, a non-periodic range of 34° only.

Extreme Variation of Monthly Mean

The records at Agassiz and New Westminster covering practically the same period of about 25 years, the differences between the warmest and coldest months of the same name at these two stations present a fair idea of the amplitude of variation.

	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Agassiz	16	17	13	11	- 11	10	13	16	8	8	12	12
New Westminster.	14	9	11	7	7	6	7	9	7	10	17	11

The greater variations appear to occur at the greater distance from the coast, and the records from the other stations do, in a general way, confirm this, although the lack of synchrony between the different series of observations is inhibitory to definite conclusions. A comparison of the

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figures above with the similar table given for Vancouver Island shews that the magnitude of this variation is considerably smaller on the Island, especially in the summer months.

	Winter,	Spring.	Summer.	Fall.	Av Me Ra Te
Vancouver New Westminster Ladner Stevestom Mataqui North Nicomen Chilliwack Agassis	degrees, 9 9 10 11 12 10 12 10 13	degrees. 16 18 18 15 19 18 19 24	degrees. 21 21 20 18 23 22 23 28	degrees. 13 14 16 25 16 14 19 21	

Average Mean Daily Range of Temperatur

While these ranges are in general considerably greater than those which obtain on Vancouver Island it is noteworthy that not until we have gone so far up the river as Agassiz do we find ranges comparable in magnitude with those at Quamichan on the eastern abope of the Island; and while the annual range at Quamichan is 27.3°, at Agassiz it is only 21.3°. This statement ignores the summer ranges at Hazlemere, three miles from the International Boundary and the same distance from Boundary Bay. It is not strictly in the valley of the Fraser and the record is short.

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Mean Daily Maximum an Minimum.

	Sum	mer.	Wir	iter.
	Mean Minimum.	Mean Maximum.	Mean Minimum.	Mean Maximum.
Vancouver New Westminster Ladner Steveston Matsqui North Nicomen Chilliwack Agassiz Menn Loncer Fruser Menns Vancouver Island (interior-cost) Menns Vancouver Island (cost coast)	degrees. 51 51 50 50 50 50 51 48 50 48 50 49	deg cees. 73 72 70 68 73 73 74 76 72 76 72 73 64	degrees. 33 32 32 32 32 30 32 31 30 31:5 32 35	degrees, 42 42 42 43 41 42 43 44 43 42 43 42 44 44 44 44 44 44 44 44 44 44 44 44

If the figures for Ladner and Steveston, the two stations on the low-lying delta at the mouth of the river be omitted, the summer maximum for the lower Fraser becomes 73.5°, undoubtedly a truer approximation, and shewing the slight margin over the maximum for the interior of the Island, which would naturally be expected from topographical considerations.

The figures for Agassiz give some indication that at this point we begin to approach the easterly limits of the climatic district. East of this place, however, the only observations that have been made are those from Little Mountain (Hope P.O.) and these began in 1910. This record-period is too short to determine an average but we may note that for the winter months the mean minimum is 26° and the maximum 35°, while for the summer months the corresponding figures are, 51° and 74°. We may therefore, place the eastern limits of the lower Fraser River valley, climatographically, as not far from this last-named point, Hope, which lies at the confidence of the Coquiballa with the Fraser.

PRECIPITATION.

The most striking fact to be learned from the results of observations is that the least precipitation in the district is recorded at the very mouth of the river. Ladner and Steveston lie on either side of the South Arm of the Fraser where it debouches into the Strait of Georgia. The country immediately surrounding these stations is delta-land. Here the annual precipitation is little more than half that to which the higher land to the east is subject. At New Westminster on the North Arm and at Vancouver on Burrard Inlet, however, this comparative deficiency of precipitation does not obtain. It should be noted that Hazlemere, already mentioned with regard to temperature and lying about three miles north of Blaine, Washington, presents a somewhat similar falling-off in precipitation as Ladner and Steveston, but not to the same extent. Sixteen years of observation at Langley prairie, also shew that at that point the annual

Annual

precipitation is about six inches less than the general average. It is much to be regretted that observations were not made at a greater number of points south of the river. Those we have, however, point to the probability that the region extending from the Delta country about Ladner into the prairie district south of the Fraser is subject to less precipitation than points on the river and its north arm, the difference diminishing as we move eastward through the prairie country towards Sumas Lake.

_ `	New West- minster.	Vancouver.	Coquitlam.	Langley.	Matsqui.	Ladner.	Steveston.	N. Nicomen.	Chilliwack.	Agassiz.	Hazlemere.
Winter Spring Summer Fall Annual Snow	22:54	22:34	26:79	20 11	20:40	13 61	14:29	26 · 40	22:23	19:59	18 43
	12:04	11:11	13:79	11 24	14:42	7 20	6:80	15 · 68	12:08	14:22	11 91
	6:06	5:86	6:59	6 34	6:97	4 00	3:96	8 · 00	5:98	9:83	5 25
	18:16	21:26	24:48	16 28	18:36	13 03	12:87	32 · 20	19:37	19:37	13 32
	58:80	60:57	71:65	53 97	60:15	37 84	38:02	82 · 28	60:66	63:01	48 91
	33	25	18	30	26	20	17	38	34	42	22

Note: - Snowfall is already included in the seasonal amounts, and annual total.

Variability

Twenty-five years of observation at Agassiz give us an annual average of 63 inches precipitation. During this period the driest year shewed a deficiency of 16 inches as compared with Precipitation, the average, and the wettest year an excess of 20 inches. The differences from average throughout this period having been summed without regard to sign, we strike a mean annual variability of 8 inches, or 13% of the average amount. Practically the same period at New Westminster presents an average of nearly 59 inches for the annual amount. During this time the greatest yearly amount exceeded the average by 13 inches and the least yearly amount was in defect 17 inches. The mean annual variability is found to be 5 inches or 9% of the annual average. It seems a fair deduction that the annual variability for the region lying between these two stations is about 10% of the annual average.

THE MIDDLE FRASER.

It has already been said that the records made at Hope, at the junction of the Fraser and Coquihalla rivers, indicate that the climate at this point is somewhat different from that of the region we have styled the Lower Fraser Valley. At this confluence the river-course turns sharply north and fifteen miles further in that direction passes Yale, the head of navigation. Between Hope and Spence's Bridge no records are available, and therefore, no data concerning the climate of Yale can be given here. The "Year Book of British Columbia" does, however, state that it possesses "Limited but excellent fruit-growing possibilities". Beyond Yale for fifty miles the river-valley continues northward to Lytton, where is the confluence with the Thompson. A great part of this course is canyon-like in character, with the Snowy Group on the west side, and the Anderson River Mountains, the Stoyoma and Kanaka Mountains on the east side. At a point about five miles below Lytton the basin widens, but there is very little "bench-land" throughout the valley. For all this district, of no great importance agriculturally, climatographic data is lacking.

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THE THOMPSON RIVER VALLEY.

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TEMPERATURE.

By this name we designate the country about the Thompson river from Spence's Bridge Seasonal to Shuswap Lake, including Nicola Lake, which drains into the Thompson at Spence's Bridge, Temperature and also Shuswap River. In this region the winters are 12° colder than in the lower Fraser valley, while the summers are 3° warmer. At Nicola Lake, however, the summer temperature differs little from that of the southern valley, while the spring and fall are somewhat cooler than at Kamloops.

_	Winter.	Spring.	Summer.	Fall.	Annual
Enderby Spence's Bridge Nicola Lake Kauloops Salmon Arm Menn Thompson Menn Lower Fener Difference Difference	degrees. 25 25 24 26 25 27 - 12	degrees. 45 50 43 48 45 46 45 46 47 48 48 48 48 48 48 48 48 48 48 48 48 48	degrees. 63 68 60 67 64 63 63 64 7 64 7 64 7 65 65 66 67 66 66 66 66 66 66 66 66 66 66 66	degrees. 43 49 48 47 44 46 59 - 4	degrees. 44 48 42 47 45 45 46 49

Early in the year 1913 an observer at Vavenby, sixty-five miles north of Kamloops, on The North the North Thompson ten miles east of its confluence with the Clearwater, began to send in Thompson monthly reports of temperature and precipitation. While the observations have not progressed long enough to establish normal values for this northerly region, a month to month comparison with stations of ten-year records on the South Thompson enables us to present the following figures as a very likely approximation to the normal seasonal temperatures at Vavenby.

If we may rely upon these figures, the temperatures on the north branch of the Thompson differ very little from those at Enderby, except that the winters are slightly colder.

From the latter part of May to the middle of September maximum temperatures ranging Temperature from 90° to higher than 100° are very likely to occur on several days. 102° has been recorded Extremes. in June, July, and August at Enderby, and 97° in May; at Salmon Arm 101° in July and 91° in May; 100° to 102° at Kamloops in all months from May to August, and 92° in April and September. At Spence's Bridge 105° was registered on the 20th of July 1883. Nicola Lake does not appear to be subject to such extreme heat as the other stations, since 93° is the highest on record at that point. It has recorded 91° in May and 86° in September. At Griffin Lake, east of Anstey Arm 108° in June, and 110° in July and August have been registered.

In the winter months the lowest on record at Nicola Lake ranges from 8° below zero in December to 41° below in January, while 19°, 31° and 25°, below, have been registered in November, February and March, respectively. At Salmon Arm the absolutely lowest is 27° below zero; at Kamloops, 31° below; at Enderby, 27° below; and at Spence's Bridge 29° below. In February 1914, 24° below was registered at Vavenby, but the records at that point date only from 1913. At Griffin Lake a short record shews a minimum of 28° below.

Looking at the temperature extremes from another view-point we may consider only the extreme highest and extreme lowest temperature of a single month throughout a period of years, and strike an average of each. The difference between the two averages is the non-periodic range for that particular month. We may take Kamloops records for 23 years and treat them in this manner. The results follow.

_	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
	degr	degr.	degr.									
A verage of the upper monthly extreme A verage of the lower monthly extreme Non-periodic range	49 -9 58	50 -5 55	62 11 51	75 26 49	85 33 52	91 41 50	97 47 50	95 44 51	82 34 48	70 26 44	57 12 45	48 4 41

The difference in degrees between the warmest month and the coldest of the same name is Variation of given in the table below. Monthly Mean

Station.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	June.	July,	Aug.	Sept.	Oct.	Nov
Salmon Arm	9 16	degr. 20 31	degr. 15 24	degr.	degr.	degr.	degr.	degr.	degr.	degr.	degr.	degr 21 29
Spence's Bridge Enderby Kamloops Menns Extremes	13 14	29 17 31 26 31	12 11 20 16 24	18 15 18 16 20	4 6 9 7	8 7 8 8	6 12 9 9	7 6 12 9	9 11 14 10	6 5 9 7	7 4 11 8	14 21 31 23 31

These results tend to shew that the monthly temperature is less variable from year to year in this district in the summer-time than it is at Agassiz, and in this respect the amplitude is more comparable with the extreme variation from April to September at New Westminster. In the winter the variation is considerably greater in the Thompson district than in the Lower Fraser Valley.

To examine this point still further we select the month of July at both Agassiz and Kamloops and compute the variations of the mean temperature of this month from the average. We find that the average variation from the established normal July temperature is 3° at Agassiz and 2° at Kamloops, a result which verifies the first deduction. Treating the monthly temperatures of January in the same way, we have an average monthly variability of 3° at Agassiz but of 6° at Kamloops.

Average Mean Daily Temperature

Temperatur

The summer ranges apparently increase as we proceed in an easterly direction along the river while the figures for Vavenby indicate that a similar increase obtains as we go north on the tributary. The daily ranges in this district exceed those along the Lower Fraser; by 6° in the spring and in the summer.

	Winter.	Spring.	Summer.	Fall.	Annual.
Kamloops Spence's Bridge, Vicola Lake Salmon Arm Enderby Vavenby	degrees. 11 17 15 12 15 18	degrees. 23 23 23 23 27 25	degrees. 25 26 25 28 31 31	degrees. 17 19 20 19 23 21	degrees. 19 21 20 21 23 24

Minimum.

In the discussion of the seasonal mean temperatures it was seen that the mean temperature Maximum and of the Thompson Valley in the summer was 3° warmer on the average than the Lower Fraser Valley. The table given below shews that this is due entirely to the elevation of the maximum by 6°, the minimum remaining constant. In the winter, however, both elements are depressed, the minimum more than the maximum.

	Sum	mer.	Winter.			
	Mean Maximum.	Mean Minimum.	Mean Maximum.	Mean Minimum.		
	degrees.	degrees.	degrees.	degrees.		
Kamloops . Spence's Bridge . Nicola Lake . Salmon Arm . Enderby Vavenby . Vavenby . Means Tompson . Means Lower Fraser . Difference .	81 72 78 79 78 78	55 55 47 50 48 47 60 60	31 32 31 31 32 31 31 42 - 11	20 15 16 19 17 13 17 32 -15		

valley follow.

Salmon . Enderby Griffin I

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PRECIPITATION.

A great portion of this valley is a very dry district. Except at the eastern limit of the Average valley the annual precipitation has never exceeded 20 inches. The average seasonal amounts Precipitation follow.

	Winter.	Spring.	Summer.	Fall.	Annual	Snow.
Kamloops Spence's Bridge. Nicola Lake Salmon Arm Enderby. Vavenby Frittin Lake.	3·25 2·84 2·59 6·96 6·51	1 61 2 13 2 31 2 87 3 19	3 55 2 06 3 51 3 96 4 84	2 58 1 94 3 17 5 67 5 95	10 99 8 97 11 38 18 56 20 49 12 15 34 13	35 28 29 62 67

Note. The snowfall (water equivalent) is already included in the seasonal and annual amounts.

Griffin Lake lies 23 miles almost due northeast of Sicamous, and is situated on the Eagle River which flows at Sicamous into the Anstey Arm, of the Thompson River system. Going upstream on the Eagle we climb from Sicamous, 1,156 feet above sea to Griffin Lake, 1,511 feet above sea, finally reaching the summit of the watershed near Clanwilliam at an elevation of 1,800 feet. The records at Griffin Lake covered a very short period between 1893 and 1900, and even that record is marred by frequent breaks. There seems no reason to discredit the averages obtained from this short record, in so far as they indicate much heavier precipitation on this slope. Moisture-bearing winds moving inland from the Pacific must be deflected sharply in a vertical direction upon meeting the western face of this range and according to the well known theory of dynamical cooling, a sudden increase in the rate of precipitation must result. Only in so far as the years covered by this record were synchronal with a greater than normal frequency of cyclonic movements tending to produce conditions favouring precipitation are we justified in reducing these figures. After such reduction is liberally made there remains an annual average amount of precipitation from all causes of 28 inches to 30 inches.

	Rair	ifall.	Snow	fall.	Fot	al.	Dries on Re
Kamloops pence's Bridge, vicola Lake silmon Arm	11:38 12:43 15:39	Driest. 5.75 1.68 3.40 7.87	Wettest. 55.6 5.8 19.4 40.3 68.3	Driest. 13.2 9.8 56.1 87.5 85.3	Wettest. 16:61 11:96 14:37 19:42 28:02	Driest. 7 07 2 66 9 01 16 62 18 49	
Inderby, Annis (Canoe Point). Friffin Lake		9.96	50.9	192 0	21 · 43 64 · 69	38 55	

In the case of Griffin Lake the driest complete year in the records is given. Other years for which the figures for one or more months were lacking were probably much below the totals given above.

The driest region extends as far east as Niskonlith Reserve on the Little Shuswap, beyond which, easterly, the records from Salmon Arm, Annis, Tappen, Enderby shew that there is an increase of from 8 to 10 inches, annually, over the precipitation of the Kamloops-Nicola district. In this eastern district, moreover, there has not, at any time within our records, occurred such absolute droughts as have been noted at Spence's Bridge and Kamloops.

One of the most striking facts disclosed by the tables is that there has been (with the exception of Kamloops) everywhere a greater amount of snow in the driest year or record than in the wettest year. An examination of the thirty-six years of observations at Nicola Lake almost leads one to believe that there is some relation between the snowfall and the rainfall of this nature, the heavier snowfalls in general belonging to the years of lighter rainfall, and occurring in the winter preceding the dry summer. The records for most of the stations are too short however, to pursue the speculation further.

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THE SOUTHERN KETTLE RIVER VALLEYS.

TEMPERATURE.

Seasonal Mean Temperature

The series of observations made in this region do not admit of the drawing of more than very general conclusions from them, for the reason that the records cover short periods and are not wholly synchronous. Monthly comparisons with the records from Kelowna produced the figures here given. It is possible that the mean of the three stations is nearer the true valley temperature than the individual figures. There is no marked difference from the mean temperature of the Thompson River Valley, the more especially if we regard the summer mean at Greenwood as too low by about 2°.

Observations at Midway have been discontinued. The station at Greenwood has been reopened, and that at Grand Forks is still in operation.

	Winter.	Spring.	Summer.	Fall.	Annual.
Midway Grand Forks Grand Forks Greenweel Means Kettle Valley Means Lower Fosses, Deferences Mans changing Valley Defferences Deferences Deferences Deferences	degrees, 22 24 25 24 37 -13 26 - 2	degrees. 44 47 44 45 48 - 3 46 - 1	degrees. 63 64 60 62 61 + 1 64 - 2	degrees. 44 44 42 43 49 - 6 46 - 3	degrees, 43 45 43 44 49 - 5 46 - 2

The few degrees lower temperature in the Kettle River Valley in all seasons as compared with the Okanagan Valley, are accounted for entirely by the greater elevation above sea of the Kettle River stations, if we use the rate of fall in temperature with ascent as determined from the Ben Nevis observations in Scotland. The average difference in elevation of the two sets of stations is in the neighbourhood of 750 feet. The rate of cooling having been taken as .36° Fabr. per 100 feet, we have a result of 2.7° cooler in the Kettle Valley.

The observations at Midway cover the period from August, 1895, to April, 1903, as well as the months of January and February in the year 1904, and the months of November and December in the year 1909. During this time the highest temperatures recorded in the months from May to September have been, 95°, 98°, 100.5°, 104°, 92°, respectively; the lowest temperatures in the months from November to March, -31°, -23°, -42°, -39°, -13°, respectively.

The other two stations cover a period less than four years at the time of writing.

The records at Midway, only, are long enough to consider at all from this view-point. The differences between the warmest and coldest months of the same name are:—

Jan.	Feb.	March.	April.	May	June	July.	Aug.	Sept.	Oct.	Nov.	Dec.
110	1.0	140	W.	100	125		100	n-	100	100	0.61

These differences resemble those given for the North Thompson very closely except that for the month of December, which is much larger. This arises from the fact that the mean for the month of Deember in the year 1898 is computed from a mean minimum of 4° below zero. No other station in the province as far north as 55° latitude reported a temperature as low as this in that month. The readings of the thermometer in that month must be rejected, internal evidence being against their credibility as well. This being done the range of 24° given above becomes 16°. The January range appears too small and will likely be increased by 6° if the observations are resumed and carried over a long period.

Average Mean Daily Range and Daily Max.

Monthly Mean

	Winter.		Spring.			Summer			Fall.			
	Max.	Min.	Range.	Max.	Min.	Range.	Max.	Min.	Range.	Max.	Min.	Range.
Midway	31	degrees,	18	degrees. 58	30	degrees. 28	degrees,	degrees.	degrees.	degrees,	degrees.	27
Greenwood Grand Forks	34 31 ,	15 17	19 14	59 59	28 34	31 25	79 80	41 48	38 32	58 54	27 33	31 21

These ranges are considerably greater, especially in the summer and fall than those in the Thompson Valley, and are due mainly to the depressions of the minimum.

PRECIPITATION.

The observations at Midway produce averages very similar to those of the Okanagan Valley as regards the annual total but with the difference that the wettest season of the year is spring and not summer, as in the Okanagan. A longer series of observation might bring the two sets of figures into harmony.

For the period during which observations were made at Grand Forks, the mean differences from the corresponding observations at Kelowna were; winter, +.34, spring, +1.60, summer, +1.15, fall, +3.43. Applying these differences to the established normal precipitation at Kelowna we deduce the following normal precipitation at Grand Forks.

	Winter.	Spring.	Summer.	Fall.	Annual.
Grand Forks. Mi Ivay Greenwood Rock Creek Mean Kettl Mean Okanagan	degrees. 4:15 2:67 1:85 3:11 2:95 3:07	degrees, 3-93 4-02 3-37 2-65 5-49 8-29	degrees. 4 68 2 98 6 08 4 78 4 63 3 87	degrees, 4:35 2:92 3:34 3:12 4:43 3:15	degrees. 17 11 12 59 14 64 13 66 14 50 12 38

The figures given above for Midway, Greenwood, and Rock Creek are simple means of the two to eight years data available, without any weighting by comparisons. They should not therefore be relied upon as giving an approximation to the true station normals. The mean of all four sets, in which we may hope positive and negative errors have largely neutralized themselves, is probably a good approximation to the general valley average. Regarding Grand Forks, the Year Book of British Columbia, 1911-1914, says: "Surrounding this point is a very fertile valley producing ecreals and fruits." Regarding Midway it says: "The Kettle River valley in which it is situated has some good farming land suitable for irrigation."

For the upper portions of these valleys, as at Beaverdell, Carmi, and at Canyon, data of any sort is unobtainable.

THE OKANAGAN AND SIMILKAMEEN VALLEYS.

The Okanagan Valley extends in a general north and south direction between the longitudes 119° W., and 120° W., occupying the major width of that interval. Its most northerly point is about 20 miles south of Salmon Arm in the Thompson district. For 60 miles of its length the lowest levels of the depression are occupied by the waters of Okanagan Lake, a narrow and sinuous waterway whose mean height above sea-level is 1,132 feet, and whose width varies from a little more than 4 miles to a little less than a mile. Numerous small streams flow into the lake from both the east and west sides, of which the most important is Mission Creek, about 30 miles in length, which debouches near the centre of the lake from the east.

The Similkameen Valley (the main valley) begins at a point 50 miles west of the centre of Okanagan Lake, the river flowing thence in a general southeast-by-south direction to finally meet the outflow from Okanagan Lake at a point just south of the International Boundary. Into the Similkameen flow several important tributary streams, the Tulameen, the South Similkameen (a north-flowing stream), the Ashmola, and several smaller. From these smaller valleys we have no observations. The average elevation above sea of points in the Similkameen Valley is probably about 300 feet higher than that of points in the Okanagan.

TEMPERATURE.

That mare the						Seasonal
	Winter.	Spring.	Summer.	Fall.	Annual.	Mean Temperature
	degrees.	degrees.	degrees.	degrees.	degrees.	
Okanagan Valley—	25	45	64	45	45	
Vernon (Coldstream Ranch)	97	46	64	45	46	
Kelowna Summerland	27 25	46	65	46	46	
Penticton	29	47	64	48	47	
Meins. Similkameen Valley—	26	46	64	46	46	
Princeton	20	43	61	43	42	
Hedley ,	20 25 26	46	64	46	45	
Keremeos	26	48	68	47	47	
Medns	24	46	64	44	40	

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Range, degrees, 27 31 21

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The stations are arranged in each valley from north to south, so that a notable increase in temperature is visible as we move southwards in the Similkameen. But in the Okanagan Valley there seems to be little change along the lake. Vernon just north of the head of the waterway is cooler than places on the shore, while Penticton at the extreme south point of the Lake appears to have a warmer winter, spring and fall.

Leaving Penticton and moving south we pass along the narrow river which drains Lake Okanagan, through the smaller Dog and Vascux Lakes, until we reach Fairview, 25 miles south of Penticton and at the opening of a valley of a small tributary creek. Here the temperature is astonishingly high. Observations began at Fairview in May, 1909, and ceased in March, 1912. Thus the records cover a regrettably short period. From month to month comparisons with Kelowna of both maximum and minimum readings we are enabled to append the following values of the normal seasonal temperatures.

	Winter.	Spring.	Summer.	Fall.	Annual.
			degrees.		degrees.
Fairview	24	52	73	3	3 52

These temperatures are higher than those at Lakeside, at the outlet of Lake Chelan, in the continuation of this valley in United States territory but 120 miles to the southward. I was at first inclined to discredit the Fairview readings altogether, but Mr. Baynes Reed, the Provincial Meteorological Agent at Victoria Observatory vouches for the carefulness of the observer, and reports that even during the short time the instruments were in position at Fairview, the heat so warped the wooden Stevenson screen that after its second summer it was found necessary to brace the angles with iron.

Temperature Extremes At Princeton the extreme highest temperature of each year from 1901 to 1910 were, respectively, 95°, 92°, 93°, 101, 98°, 95°, 95°, 96°, 91°, 93°; at Kelowna for the same years, 93°, 91°, 93°, 96°, 95°, 96°, 95°, 96°, 92°, 93°. At Vernon the highest temperature recorded in July was 104°, and at Hedley 100°.

At Princeton the extreme lowest temperatures of the same ten years were, -21°, -26°, -21°, -27°, -32°, -8°, -45°, -25°, -49°, -26°. At Kelowna, -10°, —, -6°, -14°, -6°, +4°, -19°, -3°, -22°, -18°. For the seven years ending in 1913 the lowest temperature at Pentieton has been -10°.

These figures exhibit a greater tendency to extremes of temperature in the Similkameen, than in the Okanagan.

The differences in temperature between the warmest month and the coldest of the same

Extreme Variation of Monthly Mean Temperatures		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oet.	Nov.	Dec.	Years of obser.
	Vernon Kelowna Hedley Keremeos, Princeton	27 23	degr. 29 19 12 14 18	degr. 16 15 8 6 17	degr. 14 7 9 6 7	degr. 6 6 5 7	degr. 12 8 9 8 8	degr. 12 10 5 8 9	degr. 12 7 6 7 10	degr. 10 8 7 7 13	degr. 8 7 11 7 16	degr. 20 14 11 8 4	degr. 11 9 10 8 11	degr. 20 14 10 7 13

The lack of synchrony in observations allows no conclusions.

Average Mean Daily Range of Temperature		Winter.	Spring.	Summer.	Fa
		degrees.	degrees.	degrees,	degrees.
	Okanagan Valley— Verton. Kelowna Penticton. Means Similkameen Valley Princeton.	14 13 11 13 20 15	23 24 25 24 29	30 28 28 29 30	20 20 20 20 30 25
	Hedley Keremoss Monu		20 24 22 25	34 28 23 28	25 21 17 21

The similarity of the ranges in the Okanagan to these at Agassiz, at the interior end of the lower Fraser Valley is very great. The ranges in the Similkameen appear to increase as we move upstream.

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	Win	ter.	, Spr	ing.	Summer.		Fall.		Average Daily Max and Min.
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	
*	degrees.	degrees.	degrees.	degrees.		degrees.	degrees.	degrees.	
Okanagan Valley Vernon Kelowna Penticton Moons	32 33 35 33	18 20 24 #/	57 58 59 58	34 34 34 34	79 78 78 78	49 50 50 50	55 55 58 66	35 35 38 36	
Similkameen Valley — Princeton Hedley Keromees. Means	30 33 32 32	10 18 20 /6	57 58 59 58	28 84 87 37	77 78 79 78	44 50 56 50	55 57 56 56	30 36 39	

The minimum temperatures at Princeton and Keremeos are noteworthy: the first as shewing colder conditions in the Similkameen in the winter than obtain on the average in the Thompson Valley; the second as suggesting that the high minima at Fairview, afready mentioned, may have foundation in fact. Keremeos as the crow flies or might fly if the mountain were not in the way, is 11 miles west of Fairview and about as far from the International Boundary also as Fairview. The decided elevation of the minimum from May to September at both places may be correct and if so is probably due to great absorption of heat by rocky ground in the day-time which is radiated into the narrow valley during the night, the mechanism of convection and filtering of cold air to the lower levels being faulty.

Before leaving this section of the country further consideration is to be given to the temperatures at Hedley. There are two observers at this place. One station is maintained at the offices of the Hedley Gold Mining Company, at an elevation above sea-level, variously estimated at 1,660 and 1,771 feet. The second station is at the Nickle Plate Mine, operated by this company at an elevation estimated at from 4,500 to 4,700 feet above sea. A comparison of the average temperature at the two stations is appended.

	Win	iter.	Spr	ing.	Summer,		Fall.	
	Mean							
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
9	degrees.							
Hedley	32·5	18	58	33·5	78	50	56:5	35 · 5
Nickle Plate	28	12	44	24	63:5	40 5	46:5	29
Difference	4·5	6	74	9·5	74:5	9 5	70	6 · 5

The highest temperature recorded at Hedley was 100°; at Nickle Plate, 90°. The lowest temperature recorded at Hedley was -26°; at Nickle Plate, -35°. The difference between the annual mean temperatures is 9.4°. Taking the vertical temperature gradient (annual) from the Ben Nevis Observations as a basis of calculation, viz., 36° Fahr, for each 100 feet of ascent, we derive a vertical difference of 2,611 feet. Adding this to the height of the Mining Office, 1,771 feet, we obtain the height of the Nickle Plate Mine as 4,382 feet. I hope at a future date I shall be in possession of an accurate map, shewing the relative positions of the two stations on the watershed, from which in conjunction with the temperature observations an idea may be obtained of the temperature gradients in the valleys of this province.

PRECIPITATION.

Average Seasonal Precipitation				Precipitation.			Snow.
	-	Winter.	Spring.	Summer.	Fall.	Annual.	Annual.
	The Okanagan Valley— Vernon Kernon Summerland Pentitoton Mons. The Similkaneen Valley—	3·55 3·81 2·51 2·41 3·07	2 47 2 33 2 21 2 14 2 29	4·13 3·53 4·01 3·77 3·87	3 · 66 • 4 · 01 • 2 · 49 • 2 · 42 • 3 · 15	13-87 13-68 11-22 10-74 73-38	43°4 39°9 26°7 16°7
	Princeton Hedley Keremeos Mams	3 63 2 94 1 03 2 53	2:47 2:45 2:01 2:37	3 · 24 3 · 58 2 · 49 3 · 10	3·75 2·35 2·58 2·89	13 · 09 11 · 32 8 · 11 10 · 83	43 · 8 22 · 4 10 · 6
	The Okanagan River— Fairview (Short Record)	2.95	1:68	0.81	3.79	9:23	30:7

It seems a fair conclusion from these figures that the precipitation decreases from north to south in both valleys. Since the snowfall diminishes in a similar ratio in the same direction, the total at Fairview has an anomalous appearance. The record here is very short but there seems good reason to believe that there are usually very heavy snowfalls at Fairview in December.

Wettest and Driest

		Wettest year		Driest year.			
	Raiu.	Snow,	Total.	Rain.	Snow.	Total.	
/ernon (elowns unimerland opticton rinceton telley (cretmos Cons	13 36 12 14 11 46 11 75 11 92 13 90 8 58 11 87	46 0 38 5 33 6 15 9 47 5 12 9 18 8 30 5	17 96 15 99 14 82 13 34 16 67 15 19 10 46 74 92	4 30 5 76 5 68 7 63 5 54 6 67 3 75 5 62	42 0 20 3 26 5 11 5 36 0 14 7 1 9	8 70 7 79 8 33 8 78 9 14 8 14 3 94 7 89	

Average Range between wettest and driest years: 7 12 or approximately 35 p.c. of the normal annual fall.

The observations made at the Nickle Plate Mine are not included in the table given above. The major portion of the precipitation at this higher level is snow. In fact as much as 218 inches of snow has been measured in the month of April and 102 inches in May. Even in the summer months, however, the rainfall alone is greater at the Nickle Plate Mine than at Hedley. The averages are appended.

	Winter.	Spring.	Summer.	Fall.	Annual	Wettest year,	Driest year.
Rain	0.04	1:60	4:83	1:35	7·82	10-99	5·83
	60.9	73:6	10:3	37:6	182·4	102-3	104·0
	6.13	8:96	5:86	5:11	26·06	21-22	16·23

In the table above that year is chosen as the wettest year in which the rainfall was greatest. But if that year be chosen in which the total of rain and snow, combined, is greatest, we have rain: 9'63, snow: 353'8, total: 45'01.

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THE KOOTENAY AND ARROW LAKES COUNTRY.

TEMPERATURE.

					Seasonal Mean
	Winter.	Spring.	Summer.	Fall.	Temperature
	degrees.	degrees.	degrees.	degrees.	
Upper Arrow — Nakusp East Arrow Park.	27 25	42 44	60 61	43 43	
Lower Arrow— Fanquier	29 30	44 11	60 62	41 45	
Kootenny Lake— Howser Kasio. Kasio. Boxwell Creston Pilot Bay.	26 26 27 26 29	43 42 44 43 43	63 59 62 63 63	43 43 45 43 46	
Slown Lake— Perry Siding	26	41	63	43	
Windermere Lake— Invermere,	18 18	42 40	59 60	39 39	
Elk and Kootenay Ricers— Gateway Cranbrook Ft. Steele Fermie	19 19 21 19	41 41 42 39	58 59 62 57	41 41 41 39	
Tobacca Plains— Fruitlands Farm	25	+1	63	43	
Rossland -Nelson District— Rossland - Nelson Nelson - Fruitvale Pend Q'Oreille	25 28 23 24	12 16 46 13	60 63 30 62	42 16 42 42	

The cooler seasons are undoubtedly to be found in what is generally known as the East Kootenay, that is the country east of the Selkirks. But the records from Fruitlands, on the Tobacco Plains, shew that the seasons there are much the same as on Kootenay Lake. The area thus affected must be small for Gateway shews the characteristic East Kootenay depression of the minimum in the winter.

It should be noted that only a few of the stations listed above have long records; many of them in fact have been in operation but a short time. Those with longer records will be found listed in the complete tables at the end of the book.

In the whole Kootenay country the sensons are all a little cooler than in the Okanagan Valley.

Rossland. Highe Rossland. Cambrook Vt. Stoele. Pruitlands.	st recorded. 91° 100° 96° 100° 103°	Lowest recorded. - 17 - 17 - 17 - 35 - 36 - 37	Extremes of Temperatur
--	--	---	---------------------------

The remaining figures are from short records.

n, ut

	Highest recorded.	Lowest recorded.			Lowest recorded
Nakusp Fauquier Howser Kaslo	93"	- 5° - 11° - 13° - 7°	Pilot Bay	115°	- 10° - 33° - 36° - 20°

Both the long and the short records equally well disclose the greater lowering of the minimum temperature in the winter months in the East Kootenay.

The maximum of 115° at Wilmer in June, 1911, is open to doubt.

Daily Range Maximum and The difference in degrees between the warmest month and the coldest of the same name at such stations as have records of any length is tabulated below.

Extreme Variation of Monthly Mean Temperature.		Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct,	Nov.	Dec.
		deg.	deg.	deg.	deg.	deg.	deg.	deg.	deg.	deg.	deg.	deg.	deg.
	Rossland	9	11 10 17 18 22	10 9 16 11 17	10 7 8 8 10	7 7 6	8 6 12 	9 9 6 13	7 6 11 16	5 6 8	10 7 11 10	10 11 12 19 20	12 12 11 11 11

Scant as this data is, we may conclude that the East Kootenay is subject to greater variations of temperature from May to September than is the West Kootenay.

wat

		Winter.		Summer.		
	Mean Maxi mum	Mean Minimum	Range.	Meau Maximum	Mean Minimum	Range.
Pilot Bay Rossland Nelson Crantrosk Fort Strefte Fort Strefte	33 28	deg. 24 21 23 9 11 19	deg. 10 7 10 19 20 13	deg. 75 71 77 77 81 78	deg. 52 49 50 42 43 48	deg. 23 22 27 35 38 30

The tendency to lower minima in the East Kootenay, already referred to, is again made manifest in this table. The summer maximum of 81° at Fort Steele is probably 3° or 4° too high, and is derived from too short a period.

PRECIPITATION.

Seasonal and Annual Precipitation.		Winter.	Spring.	Summer.	Fall.	Annual.	Snow.
	Creston. Pilot Bay and Crawford Bay Rossland Nelson. Cranbrock Cranbrock Fruitlands Wilmer.	7 03 11 00 9 33 8 20 8 10 5 73 3 38 4 13 2 17	4 · 92 7 · 98 7 · 14 5 · 10 3 · 77 3 · 72 3 · 75 4 · 33 2 · 64	4:94 8:35 5:07 6:73 5:41 3:43 4:18 5:68 5:25	6 · 22 7 · 48 8 · 38 7 · 60 8 · 84 3 · 78 4 · 75 4 · 30 3 · 60	23·11 34·81 29·62 27·63 26·12 16·66 16·06 18·44 13·66	65 73 128 79 73 62 42 43 30

Note. - The snowfall is already included in the seasonal and annual totals.

These figures prove the East Kootenay to be considerably dryer than the West Kootenay, and that the Windermere Lake district is especially dry in the winter and spring. The figures given as for Creston were made at the Reclamation Works. Those for Pilot Bay and for Crawford Bay have been combined.

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made 4° too

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ILLECILLEWAET-NORTH COLUMBIA DISTRICT.

TEMPERATURE.

	Winter,	Spring.	Summer.	Fall.	Annual.	Seasonal Mean Temperature
Glacier. Gelden Domald Revelsteke	degrees. 17 15 14 23	degrees. 35 41 39 42	degrees. 54 59 59 61	degrees, 36 40 38 43	degrees. 36 39 38 43	

Donald and Golden are on the north-flowing Columbia, and Clacier lies near the headwaters of the Beaver which is tributary to the same stream, while Revelstoke lies to the west at the confluence of the Illecillewaet with the south-flowing Columbia. Revelstoke is thus only 20 miles north of Arrowhead on the Upper Arrow and its winter temperatures very closely resemble those of stations on that Lake.

Station.	Highest Recorded.	Lowest Recorded.	Extremes of Temperature,
Glacier	degrees. 89 94 97 100	degrees, - 32 - 51 - 45 - 25	

The difference in degrees between the warmest month and the coldest of the same name. Extreme Monthly Mean Temperatures.

	Jan.	Feb.	Mar.	Apr.	May	June.	July.	Ang.	Sept.	Oct.	Nov.	Dec.
Glacier	17	18	16	11	13	10	4	9	5	11	14	10
Golden	26	19	17	10	5	18	8	4	9	8	20	16
Donald	5	9	13	5	14	5	4	15	10	4	23	8
Revelstoke	26	14	13	10	11	14	12	12	9	7	13	16

The record at Donald covers a shorter period than those of the other stations; therefore the small ranges of the winter months are not unlikely to be increased should observations be recommenced at that point.

		Winter.				
	Max.	Min.	Range.	Max.	Min.	Range.
Glacier Golden Domald Revelstoke	degrees. 23 25 23 29	degrees, 12 6 5 17	degrees, 11 19 18 12	degrees. 67 73 76 75	degrees. 42 44 42 47	degrees. 25 29 34 28

Mean Daily Range and Max. and Min.

PRECIPITATION

	Winter.	Spring.	Sammer.	Fall.	Annual.	Snow.
Glacier Golden Donald Revelstoke	inches, 22.00 5.22 9.88 14.31	inches, 9.68 2.65 3.68 7.01	inches, 7-93 4-79 3-83 8-13	inches. 17:16 5:79 7:30 12:90	inches, 56-77 18-45 24-69 42-35	inches, 404 77 126 144

Precipitation at Revelstoke is much heavier than at any point in the Kootenay country between the Rossland only, approaches it in point of snowfall with 128 inches annually, while the 28 inches of rainfall, at Revelstoke is nearly equalled by 27 inches at Pilot Bay. Neither of these places, however, shew a total precipitation so great, Pilot Bay 35 and Rossland 30 inches.

UPPER FRASER RIVER--BABINE LAKE.

TEMPERATURE.

Seasonal Mean Temperature

	Winter.	Spring.	Summer.	Fall.	Latitude
	degrees.	degrees.	degrees.	degrees.	
Lillowet Paxilion Chinton Chinton Chilottin Soda Creek Quesnelle Forks Hydraulie Quesnelle Barkeryille Fort George Fort St. James Eather Lake	24 24 20 17 15 22 29 20 19 17 12 13	47 46 29 38 43 30 40 40 40 35 36 33	66 65 58 57 66 58 59 60 53 57 53	45 44 42 37 41 40 43 42 35 40 35 35	50 42 50 50 51 7 51 40 52 22 52 45 52 42 52 59 53 55 54 28 55 38

These stations are arranged in order from north to south, and the general effect of latitude is clearly discernible. The temperatures for Soda Creek do not fit their latitude very well. These figures are based on observations made at that point in the years 1881-1886, and although an attempt has been made to reduce them, by comparisons, to the same period as the surrounding stations the summer temperature which results appears to be about 8° too high. The figures, given for Chileotin are from observations made at a point on Big Creek and there seems neason to doubt that the winter and fall at this point are colder than at Quesnelle. Barkerville which is situated on a plateau to the east of the Fraser at the headwaters of tributary streams is also colder than Quesnelle although practically in the same latitude. Clinton is listed with Upper Fraser stations because its seems most convenient to place it here on account of its temperature.

In some cases the temperatures tabulated above have been deduced from short records by comparison with synchronal temperatures at Barkerville, Quesnelle, and Fort St. James.

Extremes of

Station,	Highest recorded.	Lowest recorded.
Chilcotin . Clinton Quesnelle Forks, Quesnelle Barkerville Fort St. James Babine Lake	degrees, 162 96 98 100 93 97 83	degrees 50 - 51 - 28 - 50 - 46 - 55 - 48

The record at Babine Lake being very short and the temperatures during the period of observation parallelling those at Ft. St. James, we may expect that a temperature of 83° will yet be surpassed.

The difference in degrees between the warmest month and the coldest of the same name is tabulated below.

ly	
	ny gradu

	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Clinton Chileotin. Quesnelle Forks. Quesnelle Barkerville. Fort St. James. Extremes.	10	13	9	11	10	4	7	3	8	3	6	4
	29	18	17	13	16	6	9	16	8	10	38	14
	11	22	18	21	7	6	9	11	10	14	26	18
	37	20	26	10	9	10	10	9	12	13	37	24
	22	22	16	11	12	8	9	14	13	12	30	15
	34	19	19	14	15	11	11	11	9	13	37	17
	37	22	26	21	16	11	11	16	13	14	38	24

Chileotin Quesuelle Quesuelle Barkervill Fort St. J

Chileotin Quesnelle Quesnelle Barkervil Fort St. J

Rivers In Bella Coc Swanson Kitimaat Port Simp Massett,

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Rivers In Bella Coo Swanson | Kitimaat, Massett, C Port Simp

The temperature zero are were re untry le the aer of aches.

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Dec.

Mean Daily Range and Mean Max. and Min.

PRECIPITATION.

	Winter.	Spring.	Summer.	Fall.	Annual.	Snow.
Chileotin. Quesnelle Forks. Quesnelle Barker ville. Fort St. James.	2 25	1 97	5 06	3-01	12 29	42
	6 31	4 47	6 62	6-68	24 08	86
	3 23	1 68	5 04	4-27	14 21	39
	8 87	7 21	9 61	9-83	35 52	159
	4 32	2 60	4 11	4-29	15 32	58

Note. - Snowfall already included in seasonal and annual amounts

PACIFIC COAST AND INLETS OF MAINLAND---QUEEN CHARLOTTE ISLANDS

TEMPERATURE.

	Winter.	Spring.	Summer.	Fall.	Annual
	degrees.	degrees.	degrees.	degrees.	degrees
Rivers Inlet Bella Coola Swamson Bay Kitimaat Out Simpson Massett, Q C I	36 28 32 30 35 38	44 41 41 45 43 41	50 60 55 60 55 57	47 45 46 45 46 47	46°5 44 44 45 45 46

Sensona Mean Temperature.

Bella Coola and Kitimaat, which are at the heads of inlets running a considerable distance inland have colder winters and warmer summers than those on the coast-line. Rivers Inlet, the most southerly of the group appears to benefit in all seasons from its position. But between Rivers Inlet and Port Simpson there are three degrees of latitude, while there is scarcely any difference in the annual temperatures of the stations lying within this interval.

	Highest Recorded.	Lowest Recorded.	
Rivers Inlet Bella Coola. Swanson Bay. Kitimaat Kitimat Massett, Q. C.1 Port Simpson.	degrees. 91 90 87 106 84 88	degrees. 11 -18 - 9 - 9 - 9 - 4 -10	

The extremely high temperature at Kitimaat is astonishing, and may be doubted, yet temperatures exceeding 95° are very frequently recorded at Bella Coola. Temperatures below zero are of much more frequent occurrence at inlet stations than at Port Simpson, where they were recorded in two years only during twenty-one years of observation.

At Bella Coola zero or lower has been recorded in seven of seventeen years, while temperatures of 5° or lower have been registered in five of the remaining ten years.

The difference between the warmest month and the coldest of the same name is tabulated below.

Extreme Variation of Monthly Temperature

	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec
Rivers Inlet. Bells Cools. Port Simpson. Massett.	deg. 9 18 18 13	deg. 11 16 18 9	deg. 9 11 11 11	deg. 6 9 7 10	deg. 4 6 5 15	deg. 5 10 6 10	deg. 7 7 6 15	deg. 4 12 6 10	deg. 6 5 7 6	deg. 8 8 6 6	deg. 15 12 19 14	deg 8 14 11 11
		Winter			Spring		,	Samue	r.		Fall.	
	Mean Max.	Mean Min.	Kange.	Mean Max.	Mean Min.	Range,	Mean Max.	Mean Min.	Range.	Mean Max.	Mean Min.	Range.
		deg.		deg.	deg.	dåg.	deg.	deg.	deg.	deg.	deg.	deg

PRECIPITATION.

Sensonal and Annual Precipitation.

n,	Winter.	Spring.	Summer.	Fall.	Annual.	Snow.
Bella Coola Swanson Bay Hartley Bay Kitimaat Port Essington Prince Rupert Port Simpson Nass Harbour	12 43 56 93 50 30 23 01 40 77 33 18 27 83 22 30	20 85 6 91 40 04 21 90 11 50 20 68 25 36 15 88 13 02 11 75	12 56 5 32 20 60 11 80 8 94 18 36 15 94 15 61 12 17 10 60	39 86 17 21 63 82 44 60 35 57 50 36 31 73 32 87 32 71 23 87	112.55 41.96 181.39 128.60 79.02 139.17 108.21 92.19 80.20 66.39	62 55 120 104 90 42 40 113 188

Note. - Snowfall already included in scasonal and annual totals.

THE ATLIN LAKE DISTRICT.

Atlin, on Atlin Lake, lies 30 miles south of the Yukon Boundary. Observations have been made at this point for nearly ten years. Although summer and fall have much the same temperature here as at Fort St. James, yet the winters are about 6° colder, and the springs 3° colder. During the ten years of observation the highest temperature recorded has been St° and the lowest 50° below zero. Spring opens about the 20th of May, and winter sets in about the 15th of October, while frost has been recorded in every month of the year except July.

Precipitation is least in April, May and June, and greatest from July to December, the annual rainfall averaging less than 6 inches and the snowfall 56 inches, a total annually of $11\frac{1}{4}$ inches. In the driest year the total precipitation was 8 inches and in the wettest year 13 inches.

A detailed summary of the observations will be found in the tables.

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fall.

Mean Min.

Snow.

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ber, the of $11\frac{1}{4}$ inches.

PART II.

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES OF TEMPERATURE AND PRECIPITATION.

Section I - Vancouver Island.

Section II - Lower Fraser.

Section III - Thompson River.

Section IV - Okanagan, Similkameen, Kettle River Valleys.

Section V - Kootenay and Arrow Lakes, Kootenay River.

Section VI - Illecillewaet-Upper Columbia.

Section VII - Upper Fraser Valley to Babine Lake.

Section VIII- Atlin Lake District.

Section IX — Pacific Coast-Queen Charlotte Islands.

Marc Apri May June July Septe Octol Nove

	*.00	oug		10	кН									
Total.	Greatest Amount in One Month.	Average Monthly Fall.	Rainfall in Wettest Year.	Rainfall in Driest Year.	Greatest Amount in One Month,	Average Monthly Fall.	Extreme Lowest.	Extreme Highest.	Lowest Monthly Mean.	Highest Monthly Mean.	Mean Minimann.	Mean Maximum.	Meian.	.draote.
g-01	0.44	6-8	02-61 006I	Het	02-01	11 in - 13	nt	80	0.16	2.01	17 - 2125	1-11	0-25	2040000
9-01	1-29	1.66	02-61		10.51	82-6	g - g1	80	6.18	8.68	0.00	1.08	2-88 6-28	egember,
9.6	8.11	10.1	99.8	60.7	91-21		6	54	9.97	15.2	30.5	1.68	2-28	Датьер Дати
2.85		1-11	66.68			82 15		5!			30-2	6.11	5-90	Winter
											-			
1.9	2.01	8.8	22.6	14.1	10.71	21.0	71	2.2	0.00	0.28	6.18	8.50	1.61	при
g. †	8-6	0.1	58.7	90.8	11.01		55	98	2-81	0.80	8.00	0.00	6 21	
3.0	2.42.2		96.1	10.1	90-9	90-8			8-00	6.09	1.51	E-29	2.10	
8-51		6.1	00-21	10.8		68 51	21	-96			6 68	6-60	Z-SF	Zundg
5.3			1.02	26-0	4-82	08.7	18	66	1.80	6.79	1.00	0.54	6-82	
6-0			10.1	81.0	86.6	26.0	68	101	5.09	8-12	8.00	0.08	7-29	
1-1			89-1	21-0	87 E	11-1	68	901	8.09	0.02	g.61	2.08	0.99	pmBi
1-1-			10.8	79-I		11-1-	68	901	(5.44)		1-81-	9-22	0-19	
3.0			89-T	96-5	62-2	8-09	16	101	6.65	1-99	6.11	g-12	8-20	ppemper
1.0			06-11	11-8	13.93	12.0	15	58	2.91	8.19	1.01	T-19	8-00	topea.
13.3	6-01	0.0	90-8	18.1	25-42	12-11	6	29	8-28	0.91	8-18	8-21	8-01	метры чет
6-15		0.9	16.06	05-11		10.00	6	101			9-68	6-69	8-61	IIM
1 - 29		8-89	H-08	48-08		26 19	g -	901			9-68	8-69	8-61	Year
				2.961										Snowfall in wet or o

From 1894 to 1913.

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

Alberni, Benver Creek (Height above sea level, 300 feet. (Height above sea level, 300 feet.

SECTION L-VANCOUVER ISLAND.

SECTION I-VANCOUVER ISLAND.

Banfield Long, W-125° 9′, Height above sea-level, 50 feet.

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From February 1903 to December 1906.

			Tr.	mperat	1180-				1	recipit	ation is	inche	s.	
			10	mperat					Ra	in.		Sn	ow,	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1905	1904			
December				40.1	36 7	49.1	27 8		31 26	7:50	31 - 26	1:3	4.0	15-3
January				39-9	38.7	54.7	25.0	9 74	14:08	4:48	14:08	2.2	3.2	9.9
February				42:1	37.5	57.9	23 0	11-01	22:46	11.36	22:49	4.0	12.0	41.4
Winter								35-93		23 34	67:83	7:5		36-6
dareh				44.2	39 7	67:1	21:0	7:32	10:97	10.55	10:17	2.7	5:0	7.1
April				53:3	43:7	71.3	28-7		10:20		10:20			5 :
May				5518	48:7	75.2	34.5	3:53	7 107	2 47				3-7
Spring								16-56	0.0.0	14:57	23 82	2:7		16 8
fune				58:5	54:0	80.1	39-0	2.00	5:61	0.12	1:87	, .		2.6
July				61:9	5814	85.1	45.0	0.90	2-12	R	1:42			0.5
August ,,, , ,				61:3	58:7	78-6	45.0	1:10	1.99	1:54				1.1
Summer								4.60		1:69	3 · 33			4.4
September				56:4	53.0	74.9	39-9	7:18	9.58	9.23	2.74			7.1
October		33773		49:0	42.8	68:7	29.6		13-13					8-7
November				43:7	40.9	59:0	20.0		28:75		28:75		1:0	16-3
Fall								32:74		16:93	37:49	0.4		32
Year								89:83		56.23	132 47	10:6		90 -
Snowfall in wet and dry	year.									1.1	24:5		1	
Total precipitation											24.0			

Dece Janu Febr

> Marc Apri May

July Aug

Sept Octo Nov

Cape Scott Long, W. 128° 27' Height above sea, 20 ft.

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES. From 1897 to 1909.

## 15 12 15 15 15 15 15 15 15 15 15 15 15 15 15	12
1	1
P Results Resu	Z 0
0 78 98 0 15 8 8 13 88 19 19 17 17 19 17 1	0
	g z o z o Greatest Amount in One

9:98

Total.

89-78 88-74 88-78

90.49

 $\begin{array}{l} {\rm Carmanah} \ \left\{ {\rm Lat.\ N.\ 48^{\circ}\ 38'.} \atop {\rm Long.\ W.\ 124'\ 47'.} \atop {\rm Height\ obove\ sea\ level,\ 130\ feet.} \right. \end{array}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1892 to 1901.

									1	recipit	ation in	Inche	18,	
			Te	mperat	ure.					Rain.		Sn	iow.	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfa'l in Wettest Year	Average Monthly Fall.	Greatest Amount in One Month.	Fotal.
										1898.	1896.			
December	41.3	45.2	37:2	44:0	37-9	58	20	17:55	27 14	11.85	23:73	2.0	9 0	17:70
fanuary	39-2	43.7	34.7	41.8	37:5	53	4	12.70	25:20	11:24	25.20	5.8	17.5	13:28
February	39.4	44.1	34.8	42.6	36:4	56	6	13:35	27:88	17 93	27.88	6:3	41.0	13.98
Winter	40.0	44:4	35:6			58	4	43:60		41:02	76-81	14:1		45:0
farch	41:0	47:0	34-9	45:7	37.0	61	18	9-09	15:85	2:16	6.92	1.8	7.0	9.2
April	44.7	51:0	38.3	47:9	43:1	77	29	10:67	15:05	4.89	14 06	0.3	2.0	10:70
day	49:7	55:8	43:5	51:1	47:9	74	32	6:39	11:34	2 17	7:41			6.3
Spring	45:1	51:3	38-9			77	18	26-15		9 22	28 39	2:1		26:3
fune	52.8	59.2	46 0	56.1	51:4	84	38	4:00	11:38	5.11	6:25			4 0
uly	56.2	63:1	49.3	59 0	53.9	85	41	1:97	5:64	1 27				1.90
August	57:0	63:8	50-3	59.9	54.8	80	42	1.05	3:53	0.08	1:10			1.00
Summer	55.3	62-1	48:5			85	38	7:02		6:46	7.35			7:00
September	53-1	59-1	47:1	55:2	52.0	76	36	5:61	16 36	5 60	0.61			5.61
October	19 6	53-7	45:5	5513	47:3	70	31	8:76	16:95	6:98	7:93			8:70
śovember	43.4	47:7	39.1	50:1	37:1	58	17	16:74	28 95	13 91	15:45	2 6	15.5	17:00
Fall	48:7	53 5	43.9			76	17	31:11		26:49	24-02	2 6		31 3
Year	47:3	52.8	41:7			85	4	107:88		83 19	136:57	18.8		109-70
		_												

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 $\begin{aligned} & \text{Clayoquot} \begin{cases} \text{Lat. N. } 49^{\circ} \text{ H}^{\circ}, \\ \text{Long. W. } 125^{\circ} \text{ } 47^{\circ}, \\ \text{Height above sea level, } 40 \text{ feet.} \end{aligned}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1898 to 1913.

			т	empera	iture.				P	ecipita	tion by	Inches		
									R	ain.		Sn	ow,	
Month.		Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	e Lowest.	e Monthly Fall.	t Amount in One Month.	Rainfall in Driest Year.	Rainfail in Wettest Year.	Mouthly Fall.	t Amount in One Month.	
	Mean.	Mean	Mesm	Highe	Lowes	Extrem	Extreme	Average	Greatest	Rainfa	Rainta	Average	Greatest	Total
										1907	1901			
December	42.2	47.5	36.8	45:3	38:5	66	23	16:37	23.88	13:62	16:67	0.2	1:5	16:3
January,	39:5	45:1	33.9	42.1	34 6	63	13	13:74	26 34	9.76	10:60	9.4	43.2	14:6
February	40:6	46-9	34:4	45:8	37-7	62	18	12 86	25:47	13-11	17:60	1 2	6.7	12 9
Winter	40.8	46:5	35 0			66	13	42 97		36 49	44.87	10.8		44 0
March	42.4	49.6	35-1	45.8	3816	64	21	9.77	18:30	8:10	13:31	2.0	17.7	9-9
April	45.6	53-6	37 5	47:2	42.8	76	27		23:46					8:3
May	50.0	57:9	42 4	54:2	47 1	83	30		17:65		17 65			6.7
Spring	46:0	53.7	38-3			83	21	24 87		25 63	43:34	2 0		25 6
June	54.3	62.3	46:3	56.6	50.8	81	36	4:24	9:56	0.87	4.63			
July,	58:4	67:1	49.6	63 0	55.2	91	40	2.01	4 77	0.95	4.77			4:2
August	58.5	66 9	50:0	62-5	55.6	87	38		15:73	5:09	1 52			3.5
Summer	57 1	65:4	48:6			91	36	9-79		6:91	10 92			9:7
September	55.7	64-4	46-9	59 2	53-5	83	33	7 06	15:94	4:64	4:57			7:0
October	50.8	57.8	43 7	53 4	47:7	78	20	12.79	25-95	4 64	10:96			12:7
November	45.0	51.0	39-1	49-2	41 9	69	22	19:46			32-87	1 2	9.5	19:5
Fall	50.5	57-7	43.2			83	22	39:31		15-26	48:40	1 2		39 4
Year	48 6	55.8	41:3			91	13	116.94		84 29	147 53	14.0		118
Snowfall in wet or dry	year ,									45 2	11:4			
Total precipitation										-				

17:75 13:28 13.98 45.01 9.27 10:70 6:39 26:36 4.00 1.97 1.05 7:02 5.61 8.76 17:00 31 37 109:76

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From February, 1904 to December, 1913.

									Pre	cipitat	ion in	inches		
			Te	mperate	ure.				Ra	in.		Sn	ow.	
Month.	Mean.	Mean Maximum.	Mean Minimure.	Highest Monchly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1911	1908			
December	38 8	42-4	35:2	41.0	34.2	59	18	6:67	11 21	4.13	6:49	2.9	17:6	6.90
January	34.8	39:9	29:7	38 8	29-9	56.	- 1	5:41	9:16	5:14	9.16	12 3	21.5	6.6
February	38-8	45.1	31-5	40-9	34:9	59	. 9	4:12	6.28	0.92	6.28	6.5	40.1	4:74
Winter	37:5	42.5	32.1			59	1	16:20		10 19	21 93	21 4		18:3
March	42.0	59.7	33.3	45:8	38 6	69	15	2:74	7:56	0.73	3.68	1.3	9.1	2 87
April	47.6	58:2	37.0	49.9	45:0	78	26	1:20	2:09	1:14	1:74			1.2
May	53.3	63.7	42.8	56 1	51:0	84	28	1.85	2 79	2:59	2 47			1.80
Spring	47:6	57:5	37 - 7			84	. 15	5.79		4.46	7 89	1.3		5:95
June	57:7	68-3	47:1	59-6	54:5	85	36	1 27	2:15	0.86	0.21			1:27
July	63:3	75:1	51:4	64:4	60.2	92	41.	0.64	1.26	0:11	0.13			0.6
August	61.6	70:5	52.6	63.9	60.5	96	35	1:01	2.54	0.65	0.93			1:0
Summer	60:9	71:3	50:4			96	35	2 92		1:59	1 · 27		*****	2:95
September	56:4	61.7	48.0	58:1	46.0	87	29	1 62	4:94	2.62	0.30			1:63
October	48.8	55.5	42.1	51:3	44.5	71	23	2 92	4:53	1.28	3:76			2.95
November	43.6	48:1	39:1	46.8	40.0	63	7	8:13	11 91	4:60	10.01	3.4	20.0	8:4
Fall	49-6	56:1	43-1			87	7	12:67		8:50	14:07	3.4		13.0
Year	48.9	56.8	40.8			96	1	37 58		24:74	45:16	26 1		40-19
Snowfall in wet or dry y	par									37:3	S.			
Showian in wet of dry y	OMF									01 0	121			

Ma Ap Ma

Ju Au

1.11 2.19 1.10 88.9 92.8 26.1 06 16 9.60 92 I 20.0 28.7 90.5 06 1.61 0.19 16.0 11 16 2.61 8.72 0.19 88.7 88.0 063 6-10 8.09 9.91 1.99 0.6 68.6 1.00 9.9 96.1 88 E-61 2-16 8.19 81.1 98.1 2.98 8.81 0.01 0.52 19.01 20.6 Winter sətniV 8.56 2.00 8.10 9118 2.11 0.88 99.1 10 60-6 19 9.11 '0061 Min e Highest. Monthly Monthly Wett M Month. Lemberstme Precipitation in inches. From 1892 to 1902,

Total precipitation in wet or dry year.....

1.68 F-99 F 28

0.68 0.99 9.21

61.05

12.01

21.8

5.65

1.63

56.5

10-1

08-T 07.1

18.31

12.1 19.9

96.9

59.7F 89.85

62-33

92.90

10.11

95.0

91 89 9.78 8.25 2.18 8:01 5.0F

IS

16

83

0.01 1.19 F-68 2.00 9.25

9.09

0.01 9.98

0.65 51 11

16.1 5.20

0.0 08.6

91.68

14.24

17.9 0.51

QF-9

28.8

92.8

20.7

0.83

88.0

16.0

95 6

26.81

81.9

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

French Creek, { Long, W, 124° 36°, Height above sea level, 125 feet.

AVACOUVER ISLAMD.

 $\begin{array}{l} \mbox{Goldstram Lake} \left\{ \begin{array}{l} \mbox{Lat. N. 48}^{\circ} \ 27^{\circ}, \\ \mbox{Long. W. 1230}^{\circ} \ 33^{\circ}, \\ \mbox{Height above sea level, 1,505 feet.} \end{array} \right. \end{array}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES. From 1896 to 1912.

			Te	mperati	are.					recipi	tation i	i kiicin		
									Ra	in.		Sno	w.	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean,	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1911.	1896.			
December								10:41	$20 \cdot 23$	6.92	16.69	12.8	53.0	11:65
anuary								7:90	15:32	4:78	15:32	25:4	76.0	10:4
February								7:01	13.73	1:56	13.73	14-2	86.0	8:43
Winter								25:32		13:26	45:74	52.4		30:50
darch								5:04	12:01	3.81	3.94	10.7	56:5	6.1
April								3:08	5 46	1:86	2:50	2.1	22.0	3 2
lay								2.37	5:09	2.40	3:76			2.3
Spring			****					10 49		8:07	10:20	12 8		11 - 7
une								1 64	4:44	1:03	1.28			1.6
uly								0.73	2.09	0.16	0.00			C-7
August								1/16	2.89	0.76	0.92			1:10
Summer								3.23		1:95	2:20			3.5
eptember								2.75	7:53	2.66	1:61			2.7
october								5 18	12:17	1 43	4.25			5.1
ovember								13.02	24 · 23	11:24	18:46	5.1	31.0	13.5
Fall								20:95		15:33	24:32	5:1		21:4
Year								60.29	.,.,,	38 61	82:46	70:3		67:3
Snowfall in wet or dry yar							-			79.8	54:0			

Janua

April May

Augu

 $\label{eq:Kuper-Island} \text{Kuper-Island.} \begin{cases} \text{Lat. N. } 48^{\circ} \, 58', \\ \text{Long. W. } 123^{\circ} \, 38', \\ \text{Height above sea-level} - 20 \text{ feet.} \end{cases}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1894 to 1904.

			To	mperat					Р	recipita	tion in	Inch	16.	
				mparas					R	iin.		Sn	w.	
Month.				Mean.	Iean.			Fall.	ін Опе	Year.	Year,	Fall.	n One	
	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly	Greatest Amount Month.	Rainfall in Driest Year	Rainfall in Wettest Year	Average Monthly	Greatest Amount in One Month.	Total.
										1898	1904			
becember	39.6	44 6	34.6	44.2	35.8	58	22	7.42	12:41	2:94	9:59	4:1	16:3	7.83
anuary	37.8	43.0	32.5	41.2	31.4	56	7	5-26	8:55	2:28	7:66	13:5	34.2	6 6
ebruary	39.6	45 9	33-3	42:0	37 1	57	11	4:59	10-24	6.84	5:30	4.1	16 0	5:00
Winter	39.0	44:5	33.5			58	7	17:27		12 16	22 55	21:7		19-4
farch	40:9	49:0	S2·8	46:1	38.2	66	19	3 20	8:62	0.93	5:15	5:9	18 6	3:75
April	47:2	56.8	37 6	50.2	44:7	86	27	1:79	2.46	1:40	1:73			1:79
day	52:4	63:7	41.1	57:7	50:9	83	31	1:70	2 67	1:39	1 : 29			1-70
Spring	46.8	56.5	37-2			86	19	6-69		3 72	8:17	5-9		7 2
one	58:6	69.3	47.8	61 5	57:6	90	35	1:65	3:04	3 04	0.76			1 6
uly	65.0	74.7	49.2	66.2	60:7	95	41.	0:80	2.17	0:30	0:92			0.80
August	62.5	74.8	50.2	68:4	60:4	90	39	0.76	2:96	0.23	0.98			0.76
Summer	61 0	72-9	49.0			95	35	3-21		3 57	2.66			3 2
eptember	56.3	66.5	46.0	60.2	52.8	81	31	1.84	4.96	1.76	0:44			1.8
etober	48.8	56:4	41.1	51:1	46.8	69	28	3-20	5:69	4.23	1:91			3 - 20
ovember	41 8	48 0	35:1	49:5	34.1	64	10	7:52	13.82	6:05	10:36	5:0	29:1	8 0
Fall	49.0	57.0	40:9			81	10	12:56		12:04	12:71	5:0		13:00
	49.0	57:7	40 2			95	7	39-73		31 · 49	46:09	00.0		42.9

-11

64

·53 ·75 ·18 ·53

:32

 $\label{eq:Nanaimo} \begin{array}{ll} \text{Lat. N. } 49^{\circ} \ 10^{\circ}. \\ \text{Long. W. } 123^{\circ} \text{g37}^{\circ}. \\ \text{Height above sea level, } 125 \text{ feet.} \end{array}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

Precipitation from 1892 to 1912.

(July, August 1911 and Aug. 1912, missing.)

Temperature 1901-1902.

9-14									Pres	cipitati	on in I	iches.		
			Te	mperat	ure.				R	ain.		Sn	ow.	
Month.		outn.	dim.	thly Mean.	hly Mean.	hest.	rest.	Monthly Fall.	ount in One Month.	riest Year.	ettest Year.	Monthly Fall,	Amount in One month.	
	Mean.	Mean Maximum	Mean Minimum.	Highest Monthly Mean	Lowest Monthly	Extreme Highest	Extreme Lowest.	Average Mon	Greatest Amount One	Rainfall in Driest Year	Rainfall in Wettest Y	Average Mor	Greatest Am	Total.
										1892	1904			
December	39.2	43:4	35:0	40:5	36-9	55	3	6:71	12:94	4.19	10 41	1.8	10.0	6.8
January	35-9	40:7	41-4	38:9	29:1	59	1	5 24	11:01	1:20	8.38	11:3	40.0	6.3
February	38-7	44.1	33.4	42 3	31-1	56	11	4:50	11:08	1:38	8:51	7.8	48:6	5:2
Winter	37 9	42.7	33.5			59	1	16:45		6:76	27:30	20:9		18:5
March	42.3	49.8	31.8	46:7	38:3	68	12	3:05	7:07	2:28	5:98	2.3	8:0	3.2
April	46.5	54:1	38.8	51:0	43 3	75	27	1:70	3:54	8:42	1.68	S.	0.9	1.7
May	54:0	62.8	45 2	56:4	50:4	85	29	2:02	3.73	3.67	0.91			2:0
Spring.	47:6	55-6	39:6			85	12	6:77		9:37	8:57	2.3		7:00
June	58:4	67:5	49:3	60-9	54-5	87	33	1.92	3.12	0.44	0.94			1.9
July	63 9	73:5	54.2	67:6	5916	93	40	0.82	2:02	2 02	0.96			0.8
August	63:4	73:1	53-7	66.2	59-2	94	38	0.75	1:77	0.86	1:39			0.7
Summer	61:9	71:4	52:4			94	33	3:49		3 32	3 29		4-11	3.4
September	57:1	65:2	49.0	18:4	54.5	84	34	2.08	5:38	3.83	0:40			2.00
October	49.5	56 0	42.9	52-1	44.9	71	26	3:11	5:91	1:44	2:31			3-1
November	43 1	47:7	38-6	45.8	40.2	63	14	8:52	16.63	7:18	11.18	2.2	10 0	8.7
Fall	49-9	56 3	43.5			84	14	13:71		12:45	13-89	2.2		13-90
Year	49:3	56:5	42.2		*****	94	1	40.42		31 - 91	53 05	25:4		42:96
Snowfall in wet or dry ye	ar									8.2	31.5			
Total precipitation										32.13	-			

January Februar

March.

May . . .

June...

8

August

October

 $\begin{aligned} \text{Quamichan} \begin{cases} \text{Lat. N, } 48^{\circ} \ 47^{\prime}, \\ \text{Long. W, } 123^{\circ} \ 42^{\prime}, \\ \text{Height above sea level.} \end{cases} \\ 100 \text{ feet.} \end{aligned}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

Temperature from May 1885 to Sept. 1896, 1899, Feb. 1901 to June 1903. Precipitation to 1901.

January. 34 9 12 8 27 1 39 8 26 7 63 - 1 3 88 7 10 2 50 2 88 16 9 51 0 February. 36 4 44 8 28 0 42 9 26 3 61 - 3 2 94 5 20 1 00 1 30 13 6 58 5 Winter. 36 9 45 1 28 7 63 - 3 12 62 6 50 13 95 37 9 March. 42 3 53 1 31 4 48 2 38 1 70 8 2 98 5 00 3 25 3 25 3 35 1 4 6 2 April 47 2 58 7 35 8 53 0 43 0 81 22 2 92 5 56 2 20 5 66 8 0 5 May May. 53 9 66 4 41 5 57 6 48 9 89 24 2 10 4 20 4 20 4 60 9 65 9 81 1 4 Spring. 47 8 59 4 36 2 89 8 8 8 00 9 65 9 81 1 4 June. 58 6 72 6 44 6 62 1 53 7 95 32 1 16 3 86 0 90 0 26 August. 63 2 79 8 46 6 65 9 60 1 96 31 0 72 1 97 0 50 0 00 Summer 61 3 76 7 45 9 96 31 2 54 1 80 2 59 September 54 9 69 2 40 6 58 9 52 4 91 25 2 33 3 95 0 50 3 81 2 79 0 50 0 6 0 November 43 2 53 3 33 0 47 3 40 0 69 16 5 15 11 05 4 30 7 40 1 0 6 0										Pr	ecipitat	ion in	Inches	G.	
December 39-4 47 7 31 0 45 4 32 6 63 10 5 80 11 61 3 00 9 77 7 4 17 0 January. 34 9 12 8 27 1 39 8 26 7 63 - 1 3 88 7 10 2 50 2 88 16 9 51 0 February. 36 4 41 8 28 0 42 9 26 3 61 - 3 2 94 5 20 1 00 1 30 13 6 58 5 Winter 36 9 45 1 28 7 63 - 3 12 62 6 50 13 95 37 9 March. 42 3 53 1 31 4 48 2 38 1 70 8 2 98 5 05 3 25 3 35 1 4 6 2 April 47 2 58 7 35 8 53 0 43 0 81 22 2 92 5 86 2 20 5 86 8 0 5 May 53 9 66 4 41 5 57 6 48 9 89 24 2 10 4 20 4 20 0 60 Spring 47 8 59 4 36 2 89 8 8 8 0 9 65 9 81 1 4 June 58 6 72 6 44 6 6 65 9 60 1 96 31 0 72 1 97 0 50 0 60 July 63 2 79 8 46 6 65 9 60 1 96 31 0 72 1 97 0 50 0 60 Summer 61 3 76 7 45 9 96 31 2 54 1 80 2 79 September 54 9 69 2 40 6 58 9 52 4 91 25 2 33 3 95 0 50 3 81 September 54 9 69 2 40 6 58 9 52 4 91 25 2 33 3 95 0 50 3 81 September 48 9 61 1 36 8 52 0 46 1 80 20 3 31 6 31 0 70 3 60 8 0 7 November 48 9 61 1 36 8 52 0 46 1 80 20 3 31 6 31 0 70 3 60 8 0 7 November 48 9 61 1 36 8 52 0 46 1 80 20 3 31 6 31 0 70 3 60 8 0 7				Ter	nperati	ire.				Rai	in.	-	Sno	w,	
December 39 4 47 7 31 0 45 4 32 6 63 10 5 80 11 64 3 00 9 77 7 4 17 0 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Monthly		Extreme Lowest.	Monthly	,E	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	.6	Total.
January. 34 9 12 8 27 1 39 8 26 7 63 -1 3 88 7 10 2 50 2 88 16 9 51 0 February. 36 4 44 8 28 0 42 9 26 3 61 -3 2 94 5 20 1 00 1 30 13 6 58 5 Winter. 36 9 45 1 28 7 63 -3 12 62 6 56 13 95 37 9 March. 42 3 53 1 31 4 48 2 38 1 70 8 2 98 5 05 3 25 3 25 3 25 1 4 6 2 April 47 2 58 7 35 8 53 0 43 0 81 22 2 29 5 86 2 20 5 86 8 0 5 May. 53 9 66 4 41 5 57 6 48 9 89 24 2 10 4 20 4 20 0 60 Spring. 47 8 59 4 36 2 89 8 8 8 00 9 65 9 81 1 4 July. 63 2 79 8 46 6 5 9 60 1 96 31 0 72 1 97 0 50 0 00 August. 62 1 77 8 46 5 65 4 56 1 94 34 0 66 2 53 0 40 2 53 Summer 61 3 76 7 45 9 96 31 2 54 1 80 2 79 September 54 9 69 2 40 6 58 9 52 4 91 25 2 33 3 95 0 50 3 81 2 79 0 50 0 6 0 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0											1895	1891			
February. 36 4 44 8 28 0 42 9 26 3 61 - 3 2 94 5 20 1 00 1 30 13 6 58 5 Winter. 36 9 45 1 28 7	cember	39.4	47.7	31.0	45-4	32.6	63	10	5:80	11:64	3.00	9.77	7:4	$17\cdot 0$	6.5
Winter. 36 9 45 1 28 7	nuary.	34.9	12.8	27:1	39.8	26:7	63	- 1	3.88	7:10	2.50	2.88	16.9	51.0	5.5
March. 42 3 53 1 31 4 48 2 38 1 70 8 2 98 5 05 3 25 3 35 1 4 6 2 2 April 47 2 58 7 35 8 53 0 43 0 81 22 2 92 5 86 2 20 5 86 8 0 5 5 May 53 9 66 4 41 5 57 6 48 9 89 24 2 10 4 20 4 20 0 60 5 5 May 54 2 10 4 20 4 20 0 60 5 5 May 55 9 67 6 48 9 89 24 2 10 4 20 0 60 5 5 May 55 9 67 6 48 9 89 24 2 10 4 20 0 60 5 5 May 55 9 81 1 4 5 May 55 9 4 36 2 5 May 55 9 81 1 4 5 May 55 9 4 36 2 5 May 55 9 81 1 4 5 May 55 9 4 36 2 5 May 55 9 81 1 1 4 5 May 55 9 May 55 9 81 1 1 4 5 May 55 9	bruary	36:4	44 8	28 0	42.9	26:3	61	- 3	2.94	5:20	1:00	1:30	13-6	58-5	4:3
April 47.2 58.7 35.8 53.0 43.0 81 22 2.92 5.86 2.90 5.86 8 0.5 May 53.9 66.4 41.5 57.6 48.9 89 24 2.10 4.20 4.20 0.60 Spring 47.8 59.4 36.2 89 8 8.90 9.65 9.83 1.4 fune 58.6 72.6 44.6 62.1 53.7 95 32 1.16 3.86 0.90 0.26 July 63.2 79.8 46.6 65.9 60.1 96 31 0.72 1.97 0.50 0.00 August 62.1 77.8 46.5 65.4 56.1 94 34 0.66 2.53 0.40 2.53 Summer 61.3 76.7 45.9 96 31 2.54 1.80 2.79 September 54.9 69.2 40.6 58.9	Winter	36.9	45 1	28:7			63	- 3	12 62		6:50	13:95	37:9		16
May 53 9 66 4 41 5 57 6 48 9 89 24 2 10 4 20 4 20 0 60 Spring 47 8 59 4 36 2 89 8 8 8 0 9 65 9 81 1 4 Sume 58 6 72 6 44 6 62 1 53 7 95 32 1 16 3 86 0 90 0 96 Inly 63 2 79 8 46 6 65 9 60 1 96 31 0 72 1 97 0 50 0 00 August 62 1 77 8 46 5 65 4 56 1 94 34 0 66 2 53 0 40 2 53 Summer 61 3 76 7 45 9 96 31 2 54 1 80 2 79 September 54 9 69 2 40 6 58 9 52 4 91 25 2 33 3 95 0 50 3 81 Detober 48 9 61 1 36 8 52 0 46 1 80 20 3 31 6 31 0 70 3 60 8 0 7 November 43 2 53 3 33 0 47 3 40 0 69 16 5 15 11 105 4 30 7 40 1 0 6 6	arch	42.3	53°1	31:4	48.2	38-1	70	8	2.98	5:05	3 25	3:35	1:4	6.5	3.1
Spring. 47 8 59 4 36 2	pril	47:2	58.7	35·8	53 0	43.0	81	99	2.92	5:86	2:20	5.86	8	0.5	2 9
fune. 58.6 72.6 44.6 62.1 53.7 95 32 116 3.86 0.90 0.26	ay	53:9	66:4	41.5	57:6	48:9	89	24	2.10	4:20	4:20	0:60			2-1
Summer 61:3 76:7 45:9 60:1 96 31 0:72 1:97 0:50 0:00 Summer 61:3 76:7 45:9 96 31 2:54 1:80 2:79 September 54:9 69:2 40:6 58:9 52:4 91 25 2:33 3:95 0:50 3:81 October 48:9 61:1 36:8 52:0 46:1 80 20 3:31 6:31 0:70 3:60 s 0:7 November 43:2 53:3 33:0 47:3 40:0 69 16 5:15 11:05 4:30 7:40 1:0 6:0	Spring	47 8	59:4	36 2			89	8	8:00		9:65	9:81	1:4		8-1
Summer 61:3 76:7 45:9 60:1 96 31 0:72 1:97 0:50 0:00 Summer 61:3 76:7 45:9 96 31 2:54 1:80 2:79 September 54:9 69:2 40:6 58:9 52:4 91 25 2:33 3:95 0:50 3:81 October 48:9 61:1 36:8 52:0 46:1 80 20 3:31 6:31 0:70 3:60 s 0:7 November 43:2 53:3 33:0 47:3 40:0 69 16 5:15 11:05 4:30 7:40 1:0 6:0	ine	58:6	72 6	44.6	62-1	53.7	95	32	1:16	3 86	0.50	0.26			1.1
Summer 62 1 77 8 46 5 65 4 56 1 94 34 0 66 2 53 0 40 2 53 Summer 61 3 76 7 45 9 96 31 2 54 1 80 2 79 September 54 9 69 2 40 6 58 9 52 4 91 25 2 33 3 95 0 50 3 81 Detober 48 9 61 1 36 8 52 0 46 1 80 20 3 31 6 31 0 70 3 60 s 0 7 November 43 2 53 3 33 0 47 3 40 0 69 16 5 15 11 05 4 30 7 40 1 0 6 0							96								0:7
September		62.1	77.8	46:5	65:4	56:1	94	34	0.66	2 53	0.40	2:53			0.0
Detober	Summer	61:3	76:7	45:9			96	31	2.54		1:80	2:79			2
November	ptember	5419	69.2	40:6	58:9	52:4	91	25	2 : 33	3 95	0.20	3.81			2 :
	stober	48.9	61:1	36.8	52.0	46:1	80	20	3.31	6:31	0.70	3.60	н	0.7	3
Fall	ovember	43.2	53:3	33.0	47:3	40.0	69	16	5.15	11:05	4:30	7:40	1.0	6:0	5"
	Fall	49.0	61.2	36.8			91	16	10.79		5:50	14 81	. 1:0		10
Year 48 8 60 6 36 9 96 - 3 33 95 23 45 41 26 40 3	Year	48 8	60.6	36.9			96	- 3	33 95		23 45	41 36	40 3		37 :
Snowfall in wet or dry year	Snowfall in west on the	Post						,			18:9	17:8			

6.89 6:37 5.28 18:54 3.28 1.70 2.027:00 1.92 0.820.75 3.49 2.08 3:11 8:74 13-93 42.96

 $\begin{aligned} & \text{Quatsino} & \begin{cases} \text{Lat. N. 50}^\circ \ 32^\circ, \\ \text{Long. W. 128}^\circ \ 3^\circ, \\ \text{Height above sea level,} & \text{feet.} \end{cases} \\ & (\text{Some observations taken at Winter Harbour.}) \end{aligned}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1896 to 1913 (occasional breaks in records).

									P	recipita	ation in	Inche	185-	
			Tes	mperat	ure.				Ra	ín.		Sn	ow.	
Month.	an,	n Maximum.	a Minimum.	Highest Monthly Mean.	st Monthly Mean.!	eme Highest.	Extreme Lowest.	age Monthly Fall.	est Amount in One Month	fall in Driest Year.	Rainfall in Wettest Year.	age Monthly Fall.	est Awount in One Month.	
	Mean	Mean	Mean	High	Lowest	Extreme	Extra	Average	Greatest	Rainfall	Rain	Average	Greatest	Total.
										1912.	1906.			
December	40.4	44.9	35:8	44 1	35-2	55	21	17:04	30:33	13-97	23:42	3.0	30.0	17:3
anuary	36 3	40.6	32.1	39.0	30.0	55	11	11.80	19 79	14.88	17:36	8.3	21:5	12.6
February	38.1	42.7	33.4	41:6	35.1	59	14	10:55	17:00	8:03	8 32	5:4	28-9	11:0
Winter	38 2	42.7	33 8			59	11	39-39		36-88	49.10	16:7		41:00
farch	41:7	45:9	35 7	43.7	35:3	68	18	8.78	17:84	1.71	10.06	3.3	10.2	9.1
April	42.7	50:3	37:0	45:9	41.0	69	27	7:33	18:10	3 56	6 86	3.6	26:4	7:6
Iay,	48.9	55.0	42.8	51.8	46.2	83	30	5-82	10:00	2.82	3.06			5.8
Spring	44.4	50:4	38-5			83	18	21:93		8:09	19:98	6.9		22 6
une	53 4	60.2	46.6	56:0	50-9	82	32	4.63	10:59	1:25	9.28			4-6
uly	57.6	64.8	50:4	59:6	54:3	86	40	2 77	7.09	1:31	2.06			2.7
ngust	57:8	65:1	50:5	60:4	58:5	88	40	4:05	15-62	1.84	5:37			4.0
Summer	56:3	63 · 4	49.2			88	32	11:45	** *	4:30	16:71			11 4
eptember	58:4	60.4	46.3	55:3	51:2	82	36	7:06	18:92	1:51	18:92			7:0
ctober	48.3	53:6	43:1	51.8	46.7	67	30	11:57	25.55	1.65	25.55	0.3	4.5	11.6
lovember	43.3	46 s	37.7	47:9	33-9	62	18	16.98	25:39	14:73	13 88	2.7	23.5	17:2
Fall	48:0	53-6	42.4		*****	82 .	18	35 61		17:89	58:35	3.0		35.9
Year	46:7	52.5	41.0	****		58	11	108:38		67 16	144:14	26.6		111 0
Snowfall in wet or dry ye	ar									4.0	21 5			

December January February

March... April ... May ...

Spi

Wi

June....
July....
August...

Septembe October. Novembe

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Ye

 $\begin{aligned} & \text{British Columbia, Victoria} \\ & \text{Waterworks, Royal Oak.} \end{aligned} \begin{cases} & \text{Lat. N. 48' 30'}, \\ & \text{Long. W. 123' 21'}, \\ & \text{Height above sea level,} \end{cases}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1895 to 1910.

			10						1	recipit	ation is	inche	s.	
			Ten	peratu	ire.				Ra	in.	1	Sne	ow,	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest,	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1898.	1899.			
December								7:90	12:15	3:00	6:64	2-2	16:5	8-13
January								4:70	6.20	2 26	5:65	5:4	16.5	5.2
February								4:14	6:47	5:00	4:07	2.3	13.0	4.3
Winter								16:74		10 26	16:36	9:9		17:7
March								2.64	5:41	2:02	2.00	2-2	18:0	2.8
April								1:48		0.93	3-22			1:4
May								1:40			2 24			1:4
Spring								5:52		3 75	7:46	2 2		5:7
June								0:97			0.37			0.8
July								0:45		0.50	0.10			0.4
August								0.61	1:89	0.29	1.89			0.6
Summer								2.03		2:20	2:36			2.0
September								1 70	F - 00	1.00	0.00			
October		200						1:79						1.7
November	4-17							2 98						2.5
November								7 10	14 07	5.93	9.33	1.2	8.2	7:3
Fall								11 87		11:19	14:17	1.2		11:
Year								36 16		27:40	40 35	13 3	.,	37
Snowfall in wet or dry y	ear									19-4	18.6			

17:34 12.63 11:09 41:06 9:11 7.695.82 22.62 4 63 2.77 4:05 11:45 7:06 11:60 17:25 35.91 111 04

Victoria. Lat. N. 48° 24′. Long. W. 123° 19′. Height above sea-level, 85 feet.

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1881 to 1910.

									P	recipita	tion in	Inches	i.	
			Te	mperat	ure.				Ra	in.		Sno	w.	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest amount in One Month.	Total.
										1907.	1893.			
December	41.5	45 1	37:8	45:1	38:1	59	8	5.86	12 41	4.78	9:45	0.2	8.2	5.91
anuary	39.2	43.5	35 0	43:3	32.5	56	-2	3.88	6:54	2 64	2:93	6:3	24.2	4:51
February	40:3	45.0	35-6	44.6	30:0	60	6	3:08	6-20	3-89	2.87	4:5	37.0	3.2
Winter	40.3	44:5	36.2			60	- 2	12-82		11:31	15:25	11:3		13 9
Iarch	43 1	49 2	37:0	48.3	38.8	68	17	2:40	4.58	1:40	3.36	1:5	12 5	2.0
pril	47:7	54.9	40.6	50:9	45:6	75	24	1.73	5:40	1:39	5:40		S	1.7
lay	53.0	60:7	45:3	56.0	50:0	83	31	1:30	2.83	0.35	2:40			1:3
Spring	47 - 9	54.9	41:0			83	17	5:43		3:14	11.16	1:5		5.5
une	57 1	65.1	49.0	59.8	54.7	88	36	0.93	2 37	0.33	1.73			0:9
uly	60.3	69.2	51.2	65.5	57:4	90	37	0.36	1:15	0.39	0 95			0.3
ngust	60-0	68.8	51.2	62-6	56.2	88	37	0.65	2 26	0.23	0.06			0.6
Summer	59-1	67:7	50.2			90	36	1:94		0.95	2.74			1-5
eptember	55:6	63 3	47.9	58:4	52.8	85	30	2:01	4 27	1 - 21	1-21			2.0
ectober	50.4	56:0	44.8	54:4	47:5	70	28	2:16	5.60	0.73	4:41		2.0	2.1
ovember	44.5	48-6	40:5	50.2	37:2	63	17	6:31	11:50	4.68	9.08	1.5	13 5	6.4
Fall	50.2	56.0	44:4			85	17	18:70		6 62	14.70	1.2		11:0
Year	49.4	55-8	43.6			90	-2	31.06		22 02	43:85	14:3		32.4
Snowfall in wet or dry y	-	1	1							5.6	71.8	-		-

Norm.—On account of differences in the methods of measuring snowfall there exist several discrepancies between the precipitation records kept in the observatory in Victoria, and those in the Head Office at Toronto. These differences are so small as to be of no practical moment for any purpose. The averages of precipitation for 39 years ending in 1914 shew an annual total of 30-15 inches.

December January . . February .

March.... April..... May.....

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June.... July.....

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Septembe October . . November

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SECTION II. - LOWER FRASER VALLEY.

 $\begin{array}{l} {\rm Agassiz} \, \left\{ \begin{array}{l} {\rm Lat} \ \ N.-49^{\circ} \, 14^{\prime}. \\ {\rm Long} \ \ W.-121^{\circ} \, 31^{\prime} \\ {\rm Height \, above \, sea \cdot level} -52 \, {\rm feet.} \end{array} \right. \end{array}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1891 to 1910.

Month.			Ten	aperati	ire.				Rai		- 1	Sno		
Month.			1						14/41	11.		Sho	w.	
	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1908	1891			
cember	37 2	43.7	30.7	42.6	30.1	57	8	6.70	15:52	2.42	15 52	6.7	40:0	$7 \cdot 37$
nuary	. 34.6	40.2	29:0	38.8	22.9	62	-13	4.83	13.04	3.04	7 00	16.1	58:5	6:44
bruary	. 36 8	43.6	39.0	45:2	27:8	71	-12	4.81	12:25	5:52	0.64	9.7	43:0	5:78
Winter	36.2	42.5	29 9			71	-13	16:34		10 98	23:16	32-5	v (4)	19:59
arch	43.5	53.2	33 7	48.2	35.2	77	10	4 68	7:64	7:64	4.27	4.1	26:0	5:09
pril	. 49 2	61 5	36 8	54.0	43.2	90	28	4.29	8:25	3.60	8:14	0.3	4.0	4:32
ay	55:5	68:6	42.4	58:7	48.0	93	30	4 81	8:46	2 66	4:15			4.81
Spring	49-4	61:1	37 - 6			93	10	13 78		13 90	16:56	4:4		14 22
ine	. 59:0	71.8	46.2	62:1	52:3	95	35	4.82	12:06	4 68	4:18			4.85
ıly	64.2	78-3	50:0	69:4	55.8	100	38	2:26	4.58	2:60	1 04			2 26
ugust	. 63.3	78:2	48:4	70.3	54:3	103	38	2.75	6:40	1:24	3:94		3 + 3 0 6 6 3	2 7
Summer	62 2	76 1	48:2			103	35	9-83		8:52	9-16			918
ptember	56-8	69.7	43.8	59 1	51:1	96	30	4.66	8:40	1.90	7 83			4.60
ctober,	50:8	62:3	39.1	-51 - 9	43.7	82	24	5:80	11.81	3-93	6:51			5.8
ovember	41 1	48.6	33-6	48:2	36 0	69	9	8:36	20:94	7:45	12 77	5.5	19:5	8:9
Fall	49-6	60.2	38.8			96	9	18-83		13 28	27 11	5.9		19:3
Year	49.3	59.9	38 · 6			103	-13	58:77		46 68	75:96	42 4		63.0
Snowfall in wet or dry	year									8.0	52.0			-

5:91 4:51 3:53 13.95 2:55 1.73 1:30 5.28 0.93 0.36 0.65 1.94 2.01 2.55 6.46 11:02 32.49

ipitation practical

Ghilliwack Long, W. 121° h7', Height above sea level, 21 feet.

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES Temperature from 1898 to 1996. Precipitation from 1878 to 1881 and from 1898 to 1996.

2	Snowfall (wet or dry year).	Year	Pall.	November	October	September.	Summer,		August	July	June	Spring		May	April	March	WIRET		February	January	December		Month.		
	sar)	49.7	49.6	41-3	50.5	36.9	62.5		63.5	64-3	60.1	49-4		55.3	. 50.0	43.0	37.2		58:50	36.3	. 37.2		Mean.		
		58 8	50.0	48.7	60.4	8.79	74.0	Ť	76.3	75.5	70.2	0.60		85.4	9.00	51.1	1874		45.0	41.3	431.8		Mean Maximum.		
		40.5	40.2	33.9	40.6	46.0	51 1	İ	50.2	53.1	0.00	39.8		45.2	39.5	34.8	31.0		31.4	31.2	30.5		Mean Minimum.		T
				10.0	54.1	0.00	1	İ	67.1	60.4	63.8		Ì	57.5	52.6	51.0	1		42.5	37 .3	39 5		Highest Monthly Mean.		Temperature.
				39:7	5	81			62.4	61.6	57.3			52.3	47.0	39.9		Ì	53.53	34.1	32.8		Lowest Monthly Mean.		ture.
		98	8	56	78	8	58		94	94	598	91		11	8	75	54		9	54	21		Extreme Highest.		
		· ·	13	13	28	8	39		40	±	28	ī.		XI.	19	ž	2		œ	10	18		Extreme Lowest.		
		57 22	15 13	8.70	5.10	4.10	6.98	T	2 10	1.67	52 59	11.63		4.08	3.47	3.8	1 3 %		5.83	5.82	8.93		Average Monthly Fall.		
				15-18	12 62		T		5 86	1.81	52 19			6.73	7.51	9.00			10.98	10:35	12.68		Greatest Amount in one Month.	25	P
	74.0	49.02	10:20	15	4 50	19-72	5:02		1 1	3.3	0.61	9 :1:		4.28	1.76	8 73	17 03		10	6 03	8-73	1880	Rainfall in Driest Year.	Rain.	Precipitation in Inches
25	31.6	70 67	22 86	15.18	5.19		9-11		4 38	1.66	3.07	12:23		5.87	1.14	10	20 47		6.45	× 09	11.94	1899	Rainfall in Wettest Year.		ation it
		34.4	6.4	6.4								4:5		2	0.3	4.0	23 5		5.5	13.2	de Si		Average Monthly Fall.	Snow.	Inch
		1		38 5										0.5	3.0	16.2			19-4	52.0	15.5		Greatest Amount in one Month.	, W.	9
		60 66	19:37	9 34	5.93	4:10	D 198		2.10	1.67	3 21	12.98		4.08	8.70	4.30	193		5.38	7.14	8 71		Total.		

Spr

January. February

Wi

October.. November

Yes Fal Septembe

June ...
July....
August

 $\label{eq:coquitlam} \begin{aligned} & \text{Coquitlam.} \begin{cases} \text{Lat. N-}49^{\circ}\ 16',\\ \text{Long. W-}122^{\circ}\ 51',\\ \text{Height above sea level, 34 feet.} \end{cases} \end{aligned}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1902 to 1913.

			an .						P	recipita	tion in	inche	4,	
			Ten	nperati	ire.				Ra	in.		Sn	ow.	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest monthly Mean.	Lowest Monthly Mean.	Extreme Hightest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Raintall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1911.	1906.			
December								9.33	12.07	8 55	9.26	1:7	11.5	9:5
January								8:43	13:84	6:24	11:44	11.7	47 8	9.6
February								7:38	11:54	4 17	7 64	3:1	16 0	7.6
Winter								25:14		18:96	28:34	16:5		26 7
March								5:85	9 47	5 14	2:81	0.8	7:0	5
April								3 85				0.3	3:3	3
May								3.98						3
Spring								13 68		12:57	9-25	1:1		13
June								2.82	5 62	1.76	4:49			2
July								1:56	3 10	0.43				1
August								2 21	5-55	1:57				2
Summer								6:59		3:76	5:70			6:
September								5:56	12:51	7:00	12:51			5.
October								6:35	11 23		9:66			6.
November									18:51				3.3	12
Fall								21 41		20:89	32:00	0:7		24
Year	****							69:82		56:18	75 - 29	18 3		71
Snowfall in wet oc dry ye	ear									27.2	8.5			

8 71 7:14 0.3822:23 4:30 3:70 4:08 12:08 3:21 1:67 2.10 6.98 4:10 5.93 9.34 19:37 60.66

 $\label{eq:Hazlemere} \begin{array}{l} \text{Hazlemere} & \left\{ \begin{array}{ll} \text{Lat. N. } 49^{\circ} \, 3', \\ \text{Long. W. } 122^{\circ} \, 43', \\ \text{Height above sea level, } 200 \, \text{feet.} \end{array} \right. \end{array}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From Mar. 1, 1893, to July 31, 1901.

									P	recipita	ation in	inches	i.	
			Ten	peratu	re,				Rai	in.		Sne	ow.	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1895.	1894.	0.0	9:0	7:07
December	42.6	52.2	33.0		35:4	61	12	6:85	10.27	5 28	3:92 7:78	7.1	12:0	
January	37 2	44.8	29.6	42:3	34:3	58	-5	5:81	8:39		3.01	3.7		
February	39.9	48.0	31.8	42.8	36:1	60	5	4:47	7 44	3 14	3 01	0,1	5.0	4 0
Winter	39-9	48:3	31.5			61	-5	17:13		16:49	14 66	13.0		18:4
Iarch	42.7	52.8	32 6	48 9	37 7	74	12	2 94	6 83	2 66	5:12	6:1	20.9	3.3
pril	47:9	59:3	36:5	51:1	45:1	80	23	4:51	8.79	2.89	8:79			4:5
lay	53.6	64:9	42.2	57:6	51.1	88	29	3.85	5:77	3.92	4:32			3.8
Spring	48 1	59.0	37:1			88	12	11:30		9:47	18:23	6.1		11 9
une	56.2	69:3	43.7	60:1	5514	89	31	3 16	5 29	2:46	4:90			3.1
uly	60.7	75.1	46.3	63.0	58.6	92	30	0.88	2 49	0.21	0.52			0.8
ugust	60.9	75-1	46.8	66:6	58:7	91	32	1:21	4:57	0:41	R.			1 2
Summer	59:4	73-2	45:6			92	30	5.25		3.68	5-42			5.2
eptember	52 6	62:3	42.8	5816	52 6	85	27	3.15	5.89	5:23	5.89			3.1
October	47.0	55.2	38.8	52.2	46.8	76	23	3:95	6:28	0:33	6:28			3.9
lovember	45.5	56:8	34.2	50.8	33-2	68	-3	5:95	10:07	5:09	7:85	2.7	8:0	6.2
Fall	48:4	58:1	38:6			85	-3	13-05		10 71	20:02	2.7		13.3
Year	48.9	59-7	38 2			92	-5	46 73		39:75	58:33	21 8		48 5
Snowfall in wet or dry ye	ar									28.0	36-2			
											61 95			

Decemb January Februar

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April. . May. .

June ...
July. ..

August.

Septemi October Novemb

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 $\begin{aligned} & \text{Ladner} \begin{cases} \text{Lat. N. } 49^o \ 5'. \\ \text{Long. } 123^o \ 4'. \\ \text{Height above sea ievel, } -\text{ feet.} \end{aligned}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1878 to 1882 and from 1898 to 1913.

			Te	mperat	mre.				P	recipit	ation in	Inche	8.	
					are.				R	in.		Sn	ow.	
Month.	Mean.	Mean Maximum.	Mean Maximum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest,	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year,	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1898	1881			
ecember	3817	42.9	34.0	43.8	32.6	60	15	4:85	8.83	2.71	6:16	4.0	22.5	5:25
nuary	34 7	39.7	29.7	39.6	25:0	69	- 1	3.79	6 76	3-16	3.61	8.0	23.5	4:59
bruary	37:4	42.6	32.1	44:0	32.1	59	7	3:66	6:10	3:75	5.87	4:6	24:0	4.13
Winter	36-8	41:7	31.9			69	- 1	12:30		9:62	15:64	16:6		13 96
arch	41.6	48.9	34.4	45:9	36-5	68	10	2.85	7:29	0.85	3 83	1:4		0.00
oril	46-7	56-2	37 2	52-1	43 5	75	21	1.81	3 15	1.73	3 07		8.0	2 99
ау	. 52 3	62-6	42 0	56 4	48:9	78	27	2-40	5 65	1.65	3-12			2 40
Spring	. 46:9	55.9	37-9			78	10	7:06		4 23	10 02	1:4		7:20
ne	., 57 2	68:1	46.2	62 3	54:7	85	30	1:65	3.12	3 08	2.85			1:68
ly	. 63 6	72.4	54.8	64:4	55.0	85	36	1.20	3:84	0.47	1:00			1.20
ngust	59:1	70:0	48.2	63:1	57:3	85	33	1.15	4:53	0.14	0.82			1.1
Summer	60.0	70.2	49:7			85	30	4:00		3.69	4:67			4:00
ptember	54-6	64.4	44.8	57.8	52 6	78	26	2 76	8:81	1:99	1:55			2.7
tober	49.2	57:9	40:4	51:4	43.4	78	18	4:11	6 60	3.24	5 11			4.1
vember	43 6	49.9	37:4	48:1	36.2	62	10	6 61	12 32	6:11	3.00	1.5	15:0	6.1
Fall.	49-1	57:4	40.9			78	10	12.88		11:34	9:66	1:5		13.0
Year	48:2	56.3	40.1			85	-1	36 24		18 88	39:91	19:5		38:1

7:07 6.524.84 8:43 3.55 4:51 3.851.91 3.16 0.88 1 21 5:25 3.15 3:95 6.2213:32 48 91

 $\label{eq:matsqui} \begin{aligned} & \text{Matsqui Prairie}. \begin{cases} & \text{First few years at Abbotsford.} \\ & \text{Lat. N.} - 497'. & \text{Long. W.} - 122^{\circ} \ 16'. \\ & \text{Height above sea-} 89 \text{ feet.} \end{aligned}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From January 1889 to August 1904.

									F	recipit	ation is	Inche	e.	
			Ter	nperat	ure.				Ra	n.		Sne	ow.	
Month.	Mean.	Mean Maximum.	Mean Mimimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Grearest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1899	1900			
Occember	36:4	41.2	31.4	42:1	33.3	61	5		11:77				25.8	8:40
anuary	34 3	40.1	28.5	39-1	27:5	58	-11	5:66	8 07	4.89	7 63	6.4	17.0	6.30
Pebruary	35.8	42 6	29:1	41.6	28.5	62	- 8	4.93	10.51	3.22	4.90	7.1	26:5	5.6
Winter	35.5	41:4	29.7		****	62	- 11	18:43		11:17	24:10	19 7		20.4
farch	41:3	49 8	32.8	47:7	36.0	72	8	5:08	7:18	4.60	7:04	3.2	11.5	5.4
pril	47.5	57-2	07.8	51 0	43.7	84	21	4.75					0.2	4:7
Iay	54.3	64:5	44.1	57:1	50:3	92	32	4:24	7:11	3.28	7.11			4.2
Spring	47:7	57.2	38.2			92	s	14:07		11 · 83	19:07	3.5		14:43
une	58.8	68.9	48.6	61.9	55.9	93	37	3.93	8:22	2.06	8.22			3.93
uly	62 6	74:4	50.8	64:5	60.2	97	37	I 57	3.13	1:50				1:57
lugust	62:4	74.1	50.6	67:5	59-6	94	37	1.47	3.88	2.45				1:47
Summer	61.2	72.5	50.0			97	37	6:97		6.01	12:78			6 9
September	56.4	66:4	46.3	60.1	52.6	89	30	4.18	8.08	5.33	2.65			4.1
October	49.8	58 2	41.3	54.3	46.2	76	24	5.08	10.13	3.70	7.65			5.0
Kovember	41:0	47 1	35.0	48.5	29.1	68	10	8.83	13 74	3.79		2.7	11.0	9.1
Fall	49 1	57.2	40-9			89	10	18:09		12.82	15 · 13	2.7		18:3
Year	48.4	57:1	39-7	1111		97	-11	57:56		41.83	71.08	25:9		60.1
Record III in cost on America			1					,		90.0	35.3			1
Snowfall in wet or dry	year					******			* * * * * *	36.9	an a			

Decembe January February

March April....

June ...
July. ..
August ...

Septembe October. Novembe

Fa

Y

80

 $\label{eq:New Westminster} \begin{cases} \text{Lat. N. } 49^\circ 13^\circ.\\ \text{Long. W. } 122^\circ 54^\prime.\\ \text{Height above sea level, } 330 \text{ feet.} \end{cases}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From Jan. 1877 to Dec. 1882; from Jan. 1888 to Dec. 1890; from June 1894 to Dec. 1913.

			m						P	recipita	ation is	Inche	16.	
			10	mperati	ure.				Ra	in.		Sne	ow,	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowe-t Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total.
						_	-		-	1895	1900			Ť
December	37 6	41.7	33 4	43:3	32.6	58	12	7:67	15:99			3.4	19:3	8 0
Jannary	34.9	39.4	30.2	41.6	27:9	57	0		11 81				74 6	7.8
February.	38-1	43:7	32.5	42.9	33.6	62	10		12:42				38-6	6.6
Winter	36 8	41 6	32 1			62	0	20:09	11.0	16:34	20:16	24 5	****	22 5
March	42.6	50 0	35.2	47 8	36:7	72	13	5:04	10:99	2:66	9:44	3.5	28:3	5:3
April	48.1	57:1	39-1	51.8	45.1	81	25	3.19		3:55			4 0	3.2
May	53.7	63 9	43.5	58 4	50.9	88	31	3:43						3-4
Spring	48:1	57:0	39-3			88	13	11 66		10:65	17:94	3.8		12 0
June	58 8	68:6	49.1	62:0	55.6	92	37	2.76	5.62	0.83	5-62			2.7
July	63.1	73-5	52-6	67:1	59.5	94	38	1:50	5:57	0.46	1:59			1.5
August	62.5	72.5	52:4	67 5	58:7	90	37	1.80	6:33	0.00	3.30			1.8
Summer	61:5	71:5	51:4			0.1	37	6.06		1:29	10:51	****		6.0
September	56.7	65.6	47.8	61 - 1	54:5	85	30	3 - 63	10:36	0.00	2:04			3.6
October	49.4	56:1	42.7	54.2	44.2	75	24	5:40	8.82	0 91	8.82			5-4
November	41.6	46:4	36:7	48:5	31.1	62	.5	8.68	14 66	5 97	7:75	4.5	27:5	9:1
Fall	49.2	56:0	42.4			85	5	17:71		6 88	18-61	4.2		18-1
Year	48 9	56:5	41 3			94	0	55:52		35.16	67 22	32 ×		58 8
Snowfall in wet or dry y	ear									65-6	24.5			-
on man in west of any y										00 0	24.0			

.30 64 40 43 75 24 42 1.93 . 57 .47 97 1.18 5.08 10 3.36) 15

 $\label{eq:NorthNicomen} \text{North Nicomen} \begin{cases} \text{Lat. N. } 49^{\circ} \ 12^{\circ}, \\ \text{Long. W. } 122^{\circ} \ 2^{\circ}, \\ \text{Height above sea-level, } 59 \text{ feet.} \end{cases}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From January 1, 1893, to December 31, 1913.

		,							P	recipita	tion in	Inche	8.	
			Te	mperat	are,				Ra	in.		Sne	w.	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest,	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year	Average Monthly Fail.	Greatest Amount in One Month.	Total.
										1911.	1894.			
December	38.4	43.0	33.9	41-6	32.5	59	13	8:99	17:89	7 57	5.12	6.8	33.7	9.67
anuary	31.5	39 6	29:4	40.9	21.7	37	-13	7:20	15.00	5:47	6:52	13-7	51.5	8.57
ebruary	37 5	43:3	31.6	43 1	28 9	62	- 8	7 25	15:46	2 33	6.02	9.1	30.2	8.16
Winter	36:8	42.0	31 6			62	-13	23 44		15:37	17:69	29.6		26:40
darch.	42.5	50:3	34.6	48.5	37 1	72	12	5 69	10.85	5:10	7:56	3.9	19:6	6:08
pril	48.7	58-2	39:1	52.4	45.2	83	27	4:95	11:76	2 97	11:76	S	0.9	4:95
lay	54:7	64:9	41:6	58 0	51.2	'91	32	4 65	9-96	5-22	6 67			4:60
Spring	48.6	57-8	39.4			91	12	15-29		13 29	25:99	3 9		15 68
une.	59:0	69:4	48 6	62-5	55-6	92	35	4:07	10.67	1:55	5-96			4 07
uly	61.5	76:0	52 9	69:4	60:7	95	40	1.82	4:71	1.61	2 48			1.82
ugust	63 4	74.2	52.5	67:7	60-2	99	38	2:11	5 92	2:41	0:40			2 11
Summer	62.3	73-2	51:3			99	35	8:00		5:57	8.84			8.00
lesterber .	57:7	67:0	48 4	60 1	53:9	89	33	4.89	10:67	7:01	10:39			4.82
eptember	50:4	57 5	43:2	22.0	46-2	74	26		14 63		13 38			7 62
letober	43.0	48-1	37 8	48 6	37.9	68	9		22 05			4.4	37.0	12.66
Fall	50.3	57:5	43 1			89	9	24-66		20:76	36:48	1:4		25:10
Year	49:5	57 6	41 3			99	-13	71:39		54:99	89:00	37 - 9		75 18
										00.0	8014		-	
Snowfall in wet or dry y	ear	17 1941						******		93-7	78.4			

December ...
January....
February....

Winter

Spring.

Summe September . . .

October November . . . Fall . . .

Year

NOTE.-T

Steveston (Garry Point). Lat. N. 49° 21', Long. W. 125° 17'. Height above sea level, ——feet.

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1897 to 1913.

Nors.—The driest summer was that of the year 1997, when the rainfall for June, July and August respectively, was: 9-69, 0-67, 0-81.

25·10

7 · 62

8.00

4 07 1 82 2 11 15 68

4 8 8

26:40

8 16 8 27 8 27 8 29 Total.

Lat. 49° 17' Long, 123° 5'. Height above sea evel 136 fact.

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES

Frem 1898 to 1913.

Snowfall	Year	Fall	November	October	September	Summer	August	June	Spring	May	April	March	Winter	February	January	December		Mouth.		
dall in wet or dry year.																***************************************				
dry y	150	49.1	10.4	49-2	50.7	10	61.5	328	47.5	53:5	47.0	41.9	50 27 10	37.8	35.0	38 9		Mean		
W.	36.0	9.90	1	55.7	64.0	10	71.0	733	55.7	62.3	8.00	19.0	f1 -7	43 1	39.2	12 S		Meàn Maximum		
	41.5	62.5	37.6	42.6	47.4	51.4	52 0	49·1 53·0	39.3	±.,	38.3	31.8	32 %	32.0	30-9	35.0		Mean. Minimum.		T
	1		4 5	53.0	57.5		62.8	61.3	1	56.1	49.8	45.7		42.2	40.8	42.7		Highest Monthly Mean.		Temperature
			39.5	44.0	54-1		59.6	60.0	1	51 2	44.9	39.4		24.6	29 53	33.9		Lowest Monthly Mean.		ture
	92	82	8	69	25	92	92	8 8	8	8	79	61	58	8	8	58		Extreme Highest.		
	10	15	15	123	30	8	39	\$ 8	15	33	127	15	10	10	10	17		Extreme Lowest.		
	58.06	20.95	10.97	5-69	4.29	5. 88	1.71	1.33	10.96	3:56	3.09	4:31	20 29	0.90	7.12	-9		Average Monthly Fall.		-
		:	18-99	9.20	9.09		5.86	2.45		5.39	5.29	10.29		10:17		97.6		Greatest Amount in One Month.	Rain	i
63.6	45-91	16-63	9.98	2.24	4:41	4:24	1.23	0.92	10.40	5.39	1.96	3.05	14-64	3.27	-	7.22	1911	Rainfall in Driest Year.	ij.	1
18.0	70-49	19.61	8.80	9.20	1.61	10.07	3.60	1.05	19.00	4:20	4.51	10.29	21 - 81	0.30		9.22	1900	Rainfall in Wettest Year.		
	25.1	3:1	3.1	1		1 :			1.5	1		1.5	20.5	3 2		2.9		Average Monthly Fall.	Snow	
	.		27.0	:			:	: :	1:	1		11.0		1 5	57			Greatest Amount in One Month.	w.	1
	60.57	21.26	11.28	5.69	4.29	0.86	1.71	1.33	1 = 1	3.56	3.09		22.34	0.22	00	7.56		Total.		-

March... April... May....

8

January February

W

Septem? October Novem? F

June... July.... August.

SECTION III-THOMPSON RIVER.

 $Enderby, \begin{cases} Lat, N, 50^{\circ} 32^{\circ}, \\ Long, W, 119^{\circ} 7^{\circ}, \\ Height above sca-level - 1180 feet, \end{cases}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1894 to 1913.

Month. M				Te	mperat	ure.				P	recipita	tion in	Inch	1964	
The complete 1995										Ra	in.		Sn	ow.	
December	Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	M	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.		Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	.0	Total.
January 21-9 29-2 14-1 29-6 12-9 49 -27 0.57 3.60 0.32 3.60 20-2 41-3 2.56 February. 24-7 34-7 14-6 31-9 29-7 54 -27 0.35 1.42 0.09 0.40 12-7 30-8 1.66 Winter. 24-8 32-4 17-1 54 -27 1.61 2.58 4.64 49-0 6-5 March. 34-5 45-2 23-8 42-5 28-0 65 -15 0.65 1.77 0.00 0.50 4.6 16-5 1.11 4.11 46-5 0.05 32-4 50-5 44-0 88 1.6 0.70 1.86 1.33 0.71 0.7 3.5 0.77 May 50-0 70-3 39-6 58-9 52-0 97 22 1.31 3.29 1.56 1.44 1.3											1896	1899			
February. 24 7 34 7 14 6 31 9 20 7 54 - 27 0 35 1 42 0 00 0 40 12 7 30 8 1 68 Winter. 24 8 32 4 17 1 54 - 27 1 61 2 58 4 64 40 0 6 5 March. 34 5 45 2 23 8 42 5 28 0 65 - 15 0 65 1 77 0 00 0 50 4 6 16 5 1 11 April 46 5 60 5 32 4 50 5 44 0 88 16 0 70 1 86 1 33 0 71 0 7 3 5 0 77 May. 56 0 70 3 39 6 58 9 52 0 97 22 1 31 3 29 1 56 1 44 13 Spring 45 3 58 7 31 9 97 - 15 2 66 2 89 2 74 5 3 3 1 Summer. 66 5 8 1 7 49 2 68 6 62 6 103 36 1 48 2 58 0 00 1 52 14 August. 63 7 80 1 47 2 69 8 59 4 102 27 1 23 3 0 62 3 63 12 Summer. 63 4 79 1 47 7 103 27 4 84 183 6 61 48 September 54 4 68 8 40 0 57 8 52 6 88 21 1 70 3 48 0 87 1 78 17 Fall 43 4 54 7 32 1 88 - 17 4 70 2 66 7 20 12 5 5 9 Very	December	27.9	33:4	22.5	35 7	22.3	48	- 19	0.69	2 17	2-17	0.64	16.1	27 3	2:30
February. 24 7 34 7 14 6 31 9 29 7 54 27 0 35 1 42 0 09 0 40 12 7 30 8 1 6 6 1 6 5 1 10 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	January	21.9	29.2	14:1	29 6	12.9	49	- 27	0.57	3.60	0.32	3.60	20.2		2.50
March	February	24 7	34.7	14.6	31-9	20:7	54	- 27	0:35	1:42	0.09	0 40	12:7	30.8	1:63
April 46-5 69-5 32-4 50-5 44-0 88 16 0.70 1.86 1.33 0.71 0.7 3.5 0.77 day. 55-0 70-3 39-6 58-9 52-0 97 22 1.31 3.29 1.56 1.44 1.33 Spring 45-3 58-7 31-9 97 -15 2.66 2.89 2.74 5.3 3.19 97 -15 2.66 2.89 2.74 5.3 3.19 97 -15 2.66 2.89 2.74 5.3 3.19 97 -15 2.66 2.89 2.74 5.3 3.19 97 -15 2.66 2.89 2.74 5.3 3.19 97 -15 2.66 2.89 2.74 5.3 3.19 97 -15 2.66 2.89 2.74 5.3 3.19 97 -15 2.66 2.89 2.74 5.3 3.19 97 -15 2.66 2.89 2.74 5.3 3.19 97 -15 2.66 2.89 2.74 5.3 3.19 97 -15 2.66 2.89 2.74 5.3 3.19 97 -15 2.66 2.89 2.74 5.3 3.19 97 -15 2.66 2.89 2.74 5.3 3.19 97 -15 2.66 2.89 2.74 5.3 3.19 97 -15 2.66 2.89 2.74 5.3 3.19 97 -15 2.66 98 2.74 5.3 98 2.74	Winter	24.8	32:4	17:1		100	54	- 27	1.61		2:58	4:64	49:0		6.21
Spring 45 3 58 7 31 9 97 15 2 66 2 89 2 74 5 3 3 19 100 2 10 10 10 10 10 10 10 10 10 10 10 10 10	March	34.2	45:2	23 8	42.5	28:0	65	-15	0.65	1.77	0.00	0:59	4.6	16.2	1.11
Spring 45:3 58:7 31:9 97 -15 2:66 2:89 2:74 5:3 3:19 une. 61:0 75:5 46:6 66:4 54:5 102 30 2:13 3:95 1:21 2:0 2:1 uly 65:5 81:7 49:2 68:6 62:6 103 36 1:48 2:58 0:00 1:52 1:44 unguet. 63:7 80:1 47:2 69:8 59:4 102 27 1:23 3:03 0:62 3:63 1:2 Summer 63:4 79:1 47:7 103 27 4:84 1:83 6:61 4:8 eptember 54:4 68:8 40:0 57:8 52:6 88 21 1:70 3:48 0:87 1:78 1:7 etclober 44:2 56:3 3:22 46:4 42:4 83 14 1:51 3:05 1:19 1:86 1:5 fovember 31:6 39:0 24:2 41:6 21:1 64 -17 1:49 3:56 0:60 3:56 12:5 31:0 27 Fall 43:4 54:7 32:1 88 -17 4.70 2:66 7:20 12:5 5:9	April	46.5	60.2	32.4	50:5	44:0	88	16	0.70	1:86	1:33	0.71	0.7	3.2	0.77
Fune	May	56.0	70:3	39.6	58:9	52.0	97	22	1:31	3 · 29	1:56	1:44			1.31
fuly 65 5 81 7 49 2 68 6 62 6 103 36 1 48 2 58 0 00 1 52 1 4 August 63 7 80 1 47 2 69 8 50 4 102 27 1 23 3 03 0 62 3 63 1 2 Summer 63 4 79 1 47 7 163 27 4 84 1 83 6 61 4 8 September 54 4 68 8 40 0 57 8 52 6 88 21 1 70 3 48 0 87 1 78 1 7 Vectober 44 2 56 3 32 2 46 4 42 4 83 14 1 51 3 05 1 19 1 86 1 5 Sovember 31 6 39 0 24 2 41 6 21 1 64 -17 1 49 3 56 0 60 3 56 1 2 5 31 0 2 7 Fall 43 4 54 7 32 1 88 -17 4 70 2 66 7 20 12 5 5 9 Year	Spring	45:3	58.7	31.9			97	- 15	2.66		2.89	2:74	5.3		3-19
July 65 5 81 7 49 2 68 6 62 6 103 36 1 48 2 58 0 00 1 52 1 4 August 63 7 80 1 47 2 69 8 59 4 102 27 1 23 3 03 0 62 3 63 1 2 Summer 63 4 79 1 47 7 103 27 4 84 1 83 6 61 4 8 September 54 4 68 8 40 0 57 8 52 6 88 21 1 70 3 48 0 87 1 78 1 78 Detaber 44 2 56 3 32 2 46 4 42 4 83 14 1 51 3 05 1 19 1 86 1 5 November 31 6 39 0 24 2 41 6 21 1 64 -17 1 49 3 56 0 60 3 56 12 5 31 0 2 7 Fall 43 4 54 7 32 1 88 -17 4.70 2 66 7 20 12 5 5 9	June	61.0	78-5	46.6	66:4	54:5	102	30	2.13	3.95	1.21	2.0			2.13
August 63.7 80 1 47.2 69.8 59.4 102 27 1.23 3.03 0.62 3.63	fuly	65.5	81.7	49 2	68-6	62.6	103	36	1.48	2:58	0.00				
September	August	63.7	80 1	47 2	69-8	59:4	102	27	1.23	3.03	0.62				1.2
Detsber	Summer	63.4	79.1	47.7			103	27	4.84		1.83	6.61		144	4.84
November 44:2 56:3 32:2 46:4 42:4 83 14 1:51 3:05 1:9 1:86	September	54.4	68:8	40.0	57:8	52.6	96	. 21	1:70	3 48	0.87	1.78			1:20
Fall	October	44.2	56:3	32.2	46.4	42.4	83	14	1.51	3.05					1 51
Year 440 560 000 400 500 500 500 500 500 500 500 50		31.6	39 0	24.2	41.6	21.1	64	-17							2 74
Year	Fall	43.4	54.7	32 1		****	88	- 17	4.70		2.66	7:20	12.5		5-90
	Year	44:2	56.5	32.2			103	- 27	13.81		9 96	21 19	66.8		20:45

1.56 1:56 1.22 1.34 1.46 3.09 3:56 1:11 2.82 1:33 1:71 5.86 4:29 5.69 1.28 1.26 0.57

SECTION THOMPSON RIVER.

Griffin Lake. $\begin{cases} \text{Lat. N. } 50^{\circ} \, 56'. \\ \text{Long. W. } 180^{\circ} \, 29'. \\ \text{Height above sea level, 1,517 feet.} \end{cases}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1893 to 1900 (Broken period.)

			m						P	recipit	ation in	Inche	8.	
			Te	mperat	ure.				Ra	in.		Sno	ow.	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest amount in One Month.	Total.
December	31.2	40:4	22.0	35.9	18:4	53	-12							4:3
January	25:6	32.1	19 0	35.4	16.1	50	- 28							3.7
February	29.5	33.0	26.0	35-4	18.4	60	- 27							4.1
Winter	28.8	35.2	22:3			60	- 28							12.1
farch	34.2	43.8	24:5	41:4	31.0	62	- 12							2.1
April	45 6	58.8	32 4	54:4	42.5	95	20							1.8
day	55:7	68·S	42.5	62.1	52.6	96	25							2.4
Spring	45 2	57:1	33 1			96	- 12	444.5						6:1
une	60:6	75.5	45.6	66-4	52.3	108	20				****			2.2
uly	65.9	82.4	49.4	68:1	59.8	110	36							2:3
August	65-6	81.4	49.8	73.3	59 5	110	38							2.6
Summer	64-0	79.8	48:3			110	20							7-8
September	51.8	59-9	43-6	58 8	44.6	93	12							1.7
October	39-9	46:4	33-5	45.8	35:4	73	11							2.1
čovember	34.8	45.2	24.4	43.2	21.8	55	-13							3.1
Fall	42 2	50.5	33-8			93	- 13							7
Year.	45.0	55-6	34:4			110	- 28							34 1

December . . . January February . . .

March.....

Winte

June

August . . . Summ

September . October....

November...

Fall

Year

 $\begin{aligned} & \text{Kamloops} \begin{cases} \text{Lat.-N. 50°-41'.} \\ \text{Long. W. 120°-29'} \\ \text{Height above sealevel, 1,245 feet.} \end{aligned}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1892 to 1913.

			Tr.						P	recipita	ation in	Inche	196	
			Te	mperat	ure.				Ra	in.		Su	OW,	
Month.	Mean.	Mean Maximum.	Mean Maximum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1908	1900			
December	28:8	32.6	24 9	35.1	21:3	59	-17	0.20	0.64	0.19	0.26	13.5	20.2	1.9
January	22.4	28:3	16.9	34.9	3.7	54	- 31	0.13	0.60	0.16	0.24	7.7	21 1	0.9
February	26.5	33 4	19.6	35.7	15-6	64	-27	0.20	1-17	0.04	0.18	6.0	24:4	0.8
Winter	25 9	31.4	20:3		****	64	- 31	0.23		0:39	0.98	27 2		3 2
March	37 6	47 3	27 8	46.5	28 3	70	- 6	0.20	0.83	0.00	0.17	1.2	4.6	0.3
April	49:7	51-1	38 3	54.3	45.7	92	19	0:36	1:36	0.27	0.18	8.	0.7	0.3
day	57:5	70.3	44.8	62.0	53.6	100	26	0.93	2.20	0.73	1 79	0.0		0.9
Spring	48:3	59-6	37:0			100	- 6	1 49		1:00	2 14	1.2		1 6
fune	64.6	76:4	52.7	68.6	59:8	101	35	1.23	3 07	0.89	1:63			1.2
fuly	69-6	82.7	56.5	78:1	66.2	102	42	1:27	3:50	0.48	1.78			1.2
August	68.1	80.9	55:4	75.8	62:3	101	35	1 05	3.73	1:46				1:0
Summer	67:4	50.0	54:9			102	35	3.22		2.83	5:63			3.5
eptember	58.4	69.3	47:4	60:5	51.1	93	28	0.94	2:34	0.10	0.26	0.0		0 9
October	47.8	56 2	39.3	52.1	41.2	82	16	0.57	1:41	0.65	0.64	0.2	3.0	0.5
November	35.8	41.5	30.2	46.0	15:5	72	- 22	0:40	1 23	0.07	0 23	6.2	23.3	1.0
Fall	47.3	55.7	39.0			93	- 22	1-91		0.82	1.43	6.7		2 5
Year	47 2	56:7	37:8	****		102	-31	7:48	****	5:04	10:18	35:1		10 9
Snowfall in wet or dry ye	ar									21:9	6.6			

 $\label{eq:Nicola Lake} \begin{array}{l} {\rm Lat.~N.-50^{\circ}~9^{\circ},} \\ {\rm Long.~W.-120^{\circ}~39^{\circ},} \\ {\rm Height~above~sea~level,----2.120~feet,} \end{array}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

Temperature from January 1896 to Dec. 1913. Precipitation from January 1878 to Dec. 1913.

									. P	recipita	ation in	inche	K.	
			Ten	nperati	ire.		ľ		Rai	n.		Sne	w.	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest,	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfallin Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1880.	1900.			
December	27.3	33.7	50.9	34.6	17.7	57	- 8	0.27	0.72			6.3	22.8	0.90
January	19.3	26.5	12.1	31.6	0.3	55	- 41	0.12	0.80	0.00	0.15	6.8	17 0	0.8
ebruary	23.9	31.9	16.0	34 4	9.5	57	- 31	0.23	1.16	0.00	0.10	6.1	21 2	0.8
Winter	23:5	30.7	16.3			57	- 41	0.67	****	0.23	0.77	19.2		2:5
darch	32.5	42-3	22.7	40.6	20.7	65	- 25	0.22	0.95	0.13	0:36	3.9	16.2	0.6
April	43.5	55.7	31-3	48.6	41.7	84	12	0.42	1:50	0.09	0:51	0.4	2.1	0.4
day	51.5	63.7	39.3	56:1	48:3	91	25	1:04	2.37	0.29	0.69			1.0
Spring	42 5	53.9	31 · 1			91	- 25	1.68		0.21	1 56	4.3		2.1
fune	57-1	68-6	45.5	62-2	52.9	93	33	1:32	2:45	0.09	2 · 27			1.3
fuly	60.9	74:9	47:0	69.1	59:4	92	37	1.02	3.18	0 47	1.22			1.0
Angust	er a	73-5	48-4	68.1	56.8	93	28	1.17	3.46	0.74	3.26			1.1
Summer.	59.6	72.3	47:0			93	28	3.51		1:30	6:75		0.00	3.1
September	52-5	64.5	40.5	56.5	49.5	86	24	1.13	2.57	0.69	1.27			1:1
October	44.1	54:4	33 8	48.0	37.4	77	12	0 66	1.77	0 21	1.63	0.3	2.0	0.0
November	32-6	39.8	25.4	41.9	12.9	66	- 19	0.79	1.98	0.16	0.45	5.7	22.8	1:
Fall	43.0	52.9	33.2			86	- 19	2.58		1.06	3:35	5.9		3
Year	42.2	52.4	31-9	*		93	- 41	8:44		3.40	12:43	29:4		11:
Snowfall										56.1	19-4			
											10 4			

Decem Januar Februa

March April. May.,

June .
July . .
Augusi

Septem Octobe Novem

 $\begin{aligned} & \textbf{Salmon Arm} \begin{cases} \textbf{Lat. N. 50}^\circ \ 42'. \\ \textbf{Long. W. 119}^\circ \ 35'. \\ \textbf{Height above sea level 1,152 feet.} \end{aligned}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1896 to 1913.

			Tr.	mperat					Pi	ecipita	ti-n in	Inches	L.	
			10	mperat	ure.				Ra	in.		Sn	ow.	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthiy Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total.
4.54										1896	1910			
December	29.1	33.2	25.0	32.4	22.9	48	- 5	0.42	2.10	0.30	0 45	16.9	24.0	2 1
January	18.7	25.0	12.4	29 0	8.8	48	- 27	0.26	0.73	0.27	0.49	22.2	33 3	2.4
February	26:3	33.9	18-7	31.8	16.8	55	-20	0 35	1 27	0.00	0.00	11.2	17-7	1:4
Winter	24.7	30.7	18-7			56	- 27	1:03		0.57	0.94	50.3		6.0
March	34:3	44 6	24.0	42.7	28.6	62	-14	0 34	0:74	0.00	0.24	2.8	9.8	0.6
April	46.1	58.1	34 1	49.8	43.0	85	19	0.92	2.10	0.71	0:58	S	0.3	0.9
May	55.5	68:5	42 4	58.2	51.2	91	24	1:33	2:64	1:34	0.92			1 3
Spring	45.3	57:1	33.5	*****		91	-14	2:59		2 05	1:74	2.8		2 8
June	61:3	74.9	48.0	65:5	54.5	97	27	1:74	3.80	0.65	3.13			1.7
July	66.8	81.9	51.8	74.2	62.4	101	36	1.24	3.22	0.00	0.89			1.2
August	63.2	77.7	49 2	66.9	60 8	94	32	0.98	2.08	0:57	1:08			0.9
Summer	63.9	78-2	49.7			101	27	3.96		1 22	5:10	****		3-9
September	55 2	67.8	42 6	58.6	48.2	89	25	1:71	3:64	1.16	0.73			17
October	43 3	54:3	32.4	49.1	41:4	74	18	1:47	3 22	1 77	3 22		*****	1.4
November	34.1	39.7	28.5	40.3	19.2	60	-21	1.63	3.66	1.10	3.66	8/6	19.5	2.4
Fall	44.2	53-9	34.5			89	-21	4.81		4.03	7-61	8-6		5.6
Year	44.5	55.0	34 1			101	- 27	12 39		7 87	15:39	61:7		18-5
			7							87.5	40.3		-	-

 $\label{eq:spence} {\rm Spence's\ Bridge} \left\{ \begin{matrix} {\rm Lat.\ N.\ 50^{\circ}\ 23^{\prime}.} \\ {\rm Long.\ W.\ 121^{\circ}\ 20^{\prime}.} \\ {\rm Height\ above\ sca\ level,\ 770\ feet.} \end{matrix} \right.$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1872 to 1883.

			m.						P	recipita	tion in	inches	١.	
			10	mperat	are.				Ra	in.		Sı	iow.	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1883	1877			
December	28:6	34.8	22:3	32.9	20.0	60	-12	0.42	1:04	0.05	0.76	6.0	18:0	1:00
January 1	18-5	25:0	12.0	30:7	1.8	56	-29	0.10	0.90	0.06	0.22	6.9	14.5	0.79
February	28.5	37:5	19:4	36:3	24:1	58	-17	0:41	1:38	0:75	1:38	6.2	23:5	1:00
Winter	25-2	32-4	14 6			60	-29	0.93		0 86	2.69	19-1		2.8
March	38:4	47:7	29.0	49:5	31-6	78	- 6	0.52	1.69	0.00	0.33	4:7	9:9	0.95
April	51 0	63 7	38-2	52.9	48.6	83	15	0.27	0.43	0.25	0.38	S.	S.	0.27
May	59:4	72.2	46.2	62:4	54-7	92	30	0.85	1:56	0:40	1:41			0.85
Spring	49-6	61 2	37.9			92	- 6	1.66		0.65	2-12	4.7		2-13
lune	64.6	77:1	52:1	68 2	61.9	102	40	0.63	1.20	0.00	0.75			0 63
uly,	70.8	84.1	57.4	75.8	69.2	105	47	0.75	2:25	0.00	1:25			0.73
August	69-2	82.1	56:4	73 3	63:9	100	43	0.68	1:26	0.17	1.07			0:68
Summer	68-2	81-1	55.3			105	40	2.06		0.12	3.07			2:00
September	60:5	71.8	49.2	62 6	56.5	92	31	0.67	2 37	0 00	2 37			0.67
etober	49-9	59.8	39 9	52.2	45.0	81	23	0.32	0.78	0.00	0.01			0.35
Kovember	35.1	42.5	27:6	37-5	23 9	67	0	0.52	1 27	0.00	1.12	4:3	18 0	0.90
Fall	48-5	58.0	38:9		****	92	0	1.21		0.00	3 50	4:3		1.9
Year	47:9	58.2	36.7			105	-29	6.16		1 68	11:38	28.1		8-97
Snowfall										9.8	5.8			
										0.0	0.6			

Januar Februa

March April. May..

July...
August

Septem October

Novem

SIMILKAMEEN VALLEY.

 $\label{eq:Hedley} \begin{array}{l} \text{Lat. N.} -49^{\circ} \; 35^{\circ}. \\ \text{Leng. W.} -120^{\circ} \; 10^{\circ}. \\ \text{Height above sea level, 1,771 feet.} \end{array}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From May 1904 to December 1913.

Month. Secumber 28 sunary 26 character 27	5	Mean Max mum,	Mean Mioimem.	I ghest Mo tilly Mean,	Monthly Me n.	High st.	Lowest.	nt ly Fall.	Ramount in One	Year.	ettest Year.	nthly Fal. 12	in One	
ecember 23 nuary 20	5	Mean Max	- 2	ghest Mo trly	Monthly Me		west.		nount in One	riest Year.	ettest Year.	thly Fa l.	nt in One	
snuary				II	Lowest	Extreme High	Extreme Lo	Average Mont	Gr ats st. An Mo., th.	Rainfall in Driest	Rainfall in Wettest Year	Average Mon	Greatest Anount Month.	Toral.
snuary										1908	1900			
	0	34:7	22 2	33:5	23.6	58	- 7	0.09	0:42	0.09	0:00	6.1	16 0	0.7
27 e'ruary		27:4	12:5-	26.4	6.4	50	-26	0:49	2.70	0.35	0.40	5.4	13-8	1 (
	5	35.5	19:4	33-6	21 3	60	-12	0.67	2 65	0.05	2 77	5:4	8 4	11
Winter 25	3	32 5	18 0	7.13.5		60	-26	1 25		0:46	3 17	16-9		2
arch	6	48.0	25:1	41. 4	33 0	67	-0	0.26	0:56	0:50	0.08	1.8	9-2	0
pril	8	59.5	34:1	51.6	42.2	89	20	0.35	1:35	0:43	0.33	0.6	5.1	0
ay 54	0	66-9	41 2	56:9	51:1	89	29	1:56	3:47	1 54	2:40			1:
Spring	8	58:1	33 5			89	0	2-21		2:47	2 81	2.4		2
me	4	73:1	47.6	64.8	56:3	100	36	1:39	2 25	0:48	1 27			1
ı'y	3	81.7	52 8	69.5	64.3	100	40	1 21	3.10	0.78	3 10			1:
ugost	8	78 S	50:8	67:0	61 2	98	32	0.38	1 64	1:28	0.06			0.3
Summer	2	77:9	50:4			100	32	3.58		2 54	4:43			3
ptember 56	8	70.1	43 6	61:1	53-9	92	28	0.68	1 82	0:47	0.25			0.0
stober	8	56.5	35.5	50.2	39:6	88	15	0.66	1.06	0.51	1:06	0.4	2.2	0.3
ovember	6	43 2	28:0	39.2	28:3	72	- s	0.70	2:11	0 22	1:91	2.7	8.7	0.
Fall 43	1	56 6	35 6			92	- s	2 04		1.20	3:49	3.1		2
Year	3	56.3	34:4		X4X)	100	-26	9 08		6.67	13:90	22.4		11
Snowfall in wet or dry year.					1				-	14.7	12-9			

SIMILKAMEEN VALLEY.

$$\label{eq:hedley_Nickel_PlateMine} \begin{split} & \text{Hedley Nickel Plate Mine} \begin{cases} \text{Lat. N.} - 49^{\circ} \cdot 20^{\prime}, \\ \text{Long. W.} - 119^{\circ} \cdot 59^{\prime}, \\ \text{Height above sea-level 4,500 feet.} \end{cases} \end{split}$$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTRLMES.

From February 1904 to December 1913, part of 1909 missing.

1.1.1.8			Tor	nperat	1100				P	recipit	ation is	n Inche	184.	
			201	пүсгас	ure.				Rai	in.		Sn	ow.	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest,	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1913	1905			
December	22.2	29.7	14.6	24.9	15.2	50	-21	0.02	0.12	0.00	0.12	20.8	41.0	2.10
January	17.1	25.0	9.2	24.4	7.7	50	- 35	0.05	0.20	0.00	0.20	21.3	32 5	2.1
February	21.2	29 - 9	12.2	28:0	11.9	52	-26	R.	0.01	0.00	0.01	18.8	33.0	1.8
Winter	20.2	28.2	12.1		,.	52	- 35	0.04		0.00	0.33	60.9		6 13
March	25.9	35 2	16.6	32 5	20.9	55	-12	0.05	0.43	0.00	0.43	13.2	22.5	1.4
April	35 0	45:4	24.2	39.6	24.4	74	- 3	0.24	1.19	0.00	0.71	34.6	218 0	3:70
May	40.6	50 4	30.8	53.8	28.9	84	10	1.31	4 65	0.26	0 29	25.5	101-5	3:86
Spring	33 · 8	43.7	24.0			84	-12	1:60	****	0.56	1.43	73.6		8.9
June	47:0	57.8	36:2	63.5	38 1	89	18	1.92	3:46	3:46	2.21	8 2	17.5	2:7
July	56.2	68.8	43.6	66.8	50.5	99	25	1.42	4:14	0.26	4 14	0.6	2.0	1 48
August	52.8	64.5	41 · 1	66 9	46.1	98	22	1.49	2.49	1:20	0.79	1.5	8.0	1.6
- Summer	52.0	63.7	40.3			99	18	4.83		4.92	7:44	10.3		5.8
September	47.0	57.6	36.4	56.6	41.7	87	19	0.70	1.21	0.35	1.07	3.3	8.0	1.00
October	36.7	45.0	28:3	43.8	30.4	71	- 5	0.60	1.06	0.10	0.55	11-8	29.0	1.78
November	29.4	37:1	21.8	36.6	22.4	56	- 9	0.05	0.20	0.00	0.17	22.5	54.5	2:30
Fall	37 7	46-6	28.8			87	- 9	1:35		0.35	1.79	37 · 6		5-1
Year	35 9	45.5	26-3			99	- 35	7.82		5.83	10.99	182.4		26.00

December.
January.,
February.

Win

March....
April....

Sprit

July August....

Sumi

September October...

November.

Year

OKANAGAN VALLEY.

Kelowna, Okanagan Mission $\begin{cases} \text{Lat. N. } 49^{\circ} 52^{\circ}, \\ \text{Long. W. } 110^{\circ} 29^{\circ}, \\ \text{Height above sea level, } 1,200 \text{ feet.} \end{cases}$

MONTHLY, SEASONAL MEANS AND EXTREMES.

Erom 1899 to 1912.

January 23 6 30 5 16 7 32 7 10 0 53 -22 0 22 0 22 0 02 10 4 18 2 1 February 25 7 33 7 17 7 34 6 15 7 54 -19 0 48 2 50 0 51 0 67 6 2 13 9 1 Winter 26 5 33 3 19 7 54 -22 1 20 100 0 93 26 1 3 March 36 8 46 9 26 6 43 4 28 3 62 -6 0 43 1 45 0 58 0 40 4 1 18 5 0 April 46 6 59 5 33 7 50 8 44 2 81 19 0 44 1 47 0 41 0 25 0 2 1 3 0 May 55 4 68 8 42 0 57 4 51 5 91 25 1 03 0 90 0 22 1 Spring 46 3 58 4 34 1 91 -6 1 90 1 80 0 9 0 22				·m						P	recipita	ation in	inche	۶.	
December. 30-3 35-8 24-7 34-8 25-6 52 - 3 0-43 2-42 0-27 0-84 9-5 20-0 1 January. 23-6 30-5 16-7 32-7 10-0 53 -22 0-29 1-73 0-22 0-02 10-4 18-2 1 February. 25-7 33-7 17-7 34-6 15-7 54 -19 0-48 2-50 0-51 0-07 6-2 13-9 1 Winter. 26-5 33-3 19-7 54 -22 1-20 1-00 0-93 26-1 3 March. 36-8 46-9 26-6 43-4 28-3 62 -6 0-43 1-45 0-58 0-49 4-1 18-5 0- April. 46-6 59-5 33-7 50-8 44-2 81 19 0-44 1-47 0-41 0-25 0-2 1-3 0- May 55-4 68-8 42-0 57-4 51-5 91 25 1-03 2-08 0-90 0-22 1 Spring 46-3 58-4 34-1 91 -6 1-90 1-89 0-96 4-3 2 June 61-2 74-5 47-9 64-6 56-8 93 34 1-32 2-21 0-34 2-21 1 July 66-7 81-2 51-9 73-4 63-5 96 39 1-17 3-48 0-25 3-48 1 Summer 63-8 77-7 50-0 96 33 3-52 1-46 6-97 3 September 54-8 67-2 42-4 59-7 51-8 85 26 1-17 2-23 0-48 1-76 1 Cotober 44-8 55-6 33-9 48-4 41-4 75 17 0-85 1-48 0-68 0-61 0-1 0- November 36-4 43-3 29-5 42-4 28-5 65 -9 1-04 2-20 0-25 0-91 9-5 11-1 1- Fall. 45-4 55-4 35-3 85 -9 3-06 1-41 3-28 9-5 4				Te	mperat	ure.				Ra	in.		Sne	ow.	
December. 30·3 35·8 24·7 34·8 25·6 52 -3 0·43 2·42 0·2·2 0·8 9·5 20·0 1 January 23·6 30·5 16·7 32·7 10·0 53 -22 0·2 1·75 0·2 0·0 10·4 18·2 1 February 25·7 33·7 17·7 34·6 15·7 54 -19 0·48 2.50 0·51 0·6 2 13·9 1 Winter 26·5 33·3 19·7 54 -22 1·20 10·0 0·3 26·1 April 46·6 59·5 33·7 50·8 44·2 81 19 0·44 1·47 0·41 0·20 0·2 1·3 0 May 50·4 68·8 42·0 57·4 51·5 91 25 1·03 2·0 0·0 0·2 1·3 June 61·2	Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfallin Wettest Year	Monthly	Greatest Amount in One month.	Total.
January 23 6 30 5 16 7 32 7 10 0 53 -22 0 28 1 78 0 22 0 02 10 4 18 2 1 February 25 7 33 7 17 7 34 6 15 7 54 -19 0 48 2 50 0 51 0 67 6 2 13 9 1 Winter 26 5 33 3 19 7 54 -22 1 20 10 0 93 26 1 3 March 36 8 46 9 26 6 43 4 28 3 62 -6 0 43 1 45 0 58 0 40 4 1 18 5 0 April 46 6 59 5 33 7 50 8 44 2 81 19 0 44 1 47 0 41 0 25 0 2 1 3 0 May 55 4 68 8 42 0 57 4 51 5 91 25 1 03 2 08 0 90 0 22 1 Spring 46 3 58 4 34 1 91 -6 1 90 1 80											1908.	1903.			
February 25.7 33.7 17.7 34.6 15.7 54 -19 0.48 2.50 0.51 0.07 6.2 13.9 1. Winter 26.5 33.3 19.7	December,	30.3	35.8	24.7	34.8	25.6	52	- 3	0.43	2.42	0.27	0.84	9.5	20.0	1:38
Winter. 26.5 33.3 19.7 54 -22 1.20 1 00 0.93 26.1 3 March	January	23.6	30.2	16.7	32.7	10.0	53	-22	0.39	1.73	0.22	0.02	10.4	18.2	1.3
March	February	25.7	33-7	17:7	34.6	15 7	54	-19	0.48	2 50	0.21	0.07	6.2	13.9	1.10
April	Winter	26.5	33-3	19 7			54	- 22	1:20		1 00	0.93	26.1		3.8
May 55 4 68 8 42 0 57 4 51 5 91 25 1 03 2 08 0 90 0 22 1 1 Spring 46 3 58 4 34 1 91 -6 1 90 1 89 0 96 4 3 2 fune 61 2 74 5 47 9 64 6 56 8 93 34 1 32 2 21 0 34 2 21 1 ruly 66 7 81 2 51 9 73 4 63 5 96 39 1 17 3 48 0 25 3 48 1 August 63 7 77 4 50 1 67 5 60 5 95 33 1 00 2 51 0 87 1 28 1 Summer 63 8 77 7 50 0 96 33 3 52 1 46 6 97 3 September 54 8 67 2 42 4 59 7 51 8 85 26 1 17 2 23 0 48 1 76 1 October	March	36.8	46.9	26.6	43.4	28.3	62	- 6	0.43	1:45	0.28	0.49	4.1	18:5	0.8
Spring. 46·3 58·4 34·1 91 -6 1·90 1·89 0·96 4·3 2 fune 61·2 74·5 47·9 64·6 56·8 93 34 1·32 2·21 0·34 2·21 1· fuly 66·7 81·2 51·9 73·4 63·5 96 39 1·17 3·48 0·25 3·48 1· August 63·7 77·4 50·1 67·5 60·5 95 33 1·06 2·51 0·87 1·28 1· Summer 63·8 77·7 50·0 96 33 3·52 1·46 6·97 3· September 54·8 67·2 42·4 59·7 51·8 8·5 26 1·17 2·24 0·48 1·6 1· 0·40 0·6 0·6 1· 0·40 0·6 0·6 1· 0·40 0·6 0·6 0·6 1· 1·	April	46.6	59-5	33 - 7	50.8	44.2	81	19	0:44	1:47	0.41	0.25	0.2	1:3	0:4
June 61·2 74·5 47·9 64·6 56·8 93 34 1 32 2·21 0·34 2·21 1 July 66·7 81·2 51·9 73·4 63·5 96 39 1·17 3·48 0·25 3·48 1 August 63·7 77·4 50·1 67·5 60·5 95 33 1·03 2·51 0·87 1·28 1 Summer 63·8 77·7 50·0 96 33 3·52 1·46 6·97 3 September 54·8 67·2 42·4 59·7 51·8 85 26 1·17 2·23 0·48 1·76 1·2 Scober 44·8 55·6 33·9 48·4 41·4 75 17 0·80 1·48 0·60 0·1 0·1 0· November 36·4 43·3 29·5 42·4 28·5 65 -9 1·04 2·20 0·25 0·91 9·5 11·1 1· Extraction	May	55.4	68 8	42.0	57:4	51.5	91	25	1.03	2.08	0.80	0.55			1:0
July 66.7 81.2 51.9 73.4 63.5 96 39 1.17 3.48 0.25 3.48 1 August 63.7 77.4 50.1 67.5 60.5 95 33 1.00 2.51 0.87 1.28 1 Summer 63.8 77.7 50.0 96 33 3.52 1.46 6.97 3 September 54.8 67.2 42.4 59.7 51.8 85 26 1.17 2.23 0.48 1.76 1.0 October 44.8 55.6 33.9 48.4 41.4 75 17 0.80 1.48 0.60 0.61 0.1 0.1 0.0 November 36.4 43.3 29.5 42.4 28.5 65 -9 1.04 2.20 0.25 0.91 9.5 11.1 1.	Spring	46.3	58:4	34.1			91	- 6	1 90		1 89	0.96	4.3		2.3
August 63.7 77.4 50.1 67.5 60.5 95 33 1.03 2.51 0.87 1.28 1. Summer 63.8 77.7 50.0 96 33 3.52 1.46 6.97 3. September 54.8 67.2 42.4 59.7 51.8 85 26 1.17 2.23 0.48 1.76 1. October 44.8 55.6 33.9 48.4 41.4 75 17 0.85 1.48 0.68 0.61 0.1 0. November 36.4 43.3 29.5 42.4 28.5 65 -9 1.04 2.20 0.25 0.91 9.5 11.1 1. Fall 45.4 55.4 35.3 85 -9 3.06 1.41 3.28 9.5 4.	June	61 2	74.5	47.9	64.6	56 8	93	34	1 32	2 21	0.34	2 · 21			1 3
Summer 63 8 77 7 50 0 96 33 3 52 1 46 6 97 3 September 54 8 67 2 42 4 59 7 51 8 85 26 1 17 2 23 0 48 1 76 1 October 44 8 55 6 33 9 48 4 41 4 75 17 0 80 1 48 0 68 0 61 0 1 0 1 0 1 November 36 4 43 3 29 5 42 4 28 5 65 - 9 1 04 2 20 0 25 0 91 9 5 11 1 1 Fall 45 4 55 4 35 3 85 - 9 3 06 1 41 3 28 9 5 4	July	66.7	81.2	51.9	73.4	63.2	96	39	1.17	3.48	0.25	3.48			1.1
September 54.8 67.2 42.4 59.7 51.8 85 26 1.17 2.23 0.48 1.76 1. October 44.8 55.6 33.9 48.4 41.4 75 17 0.85 1.48 0.68 0.61 0.1 0. November 36.4 43.3 29.5 42.4 28.5 65 -9 1.04 2.20 0.25 0.91 9.5 11.1 1. Fall 45.4 55.4 35.3 85 -9 3.06 1.41 3.28 9.5 4.	August	63.7	77:4	50.1	67 5	60.5	95	33	1.03	2.21	0 87	1.28	*****		1.0
October 44.8 55.6 33.9 48.4 41.4 75 17 0.85 1.48 0.68 0.61 0.1 0.1 0.7 November 36.4 43.3 29.5 42.4 28.5 65 -9 1.04 2.20 0.25 0.91 9.5 11.1 1. Fall 45.4 55.4 35.3 85 -9 3.06 1.41 3.28 9.5 4	Summer	63-8	77 - 7	50.0		.,	96	33	3.52		1 46	6.97			3.50
Sovember	September	54.8	67.2	42.4	59.7	51.8	85	26	1.17	2 23	0.48	1:76			1.1
Fall	October	44.8	55.6	33.9	48-4	41.4	75	17	0.85	1.48	0.68	0.61		0.1	0.8
	November	36.4	43.3	29.5	42:4	28.5	65	- 9	1.04	2.20	0.25	0.91	9.5	11.1	1.9
V	Fall	45.4	55.4	35 3			85	- 9	3.06		1:41	3.28	9.5		4.0
Year	Year	45.5	56.2	34 8			96	-22	9.68		5.76	12.14	39-9		13.67

SIMILKAMEEN VALLEY.

 $\text{Keremeos.} \begin{cases} \text{Lat. N.} - 49^{\circ} \, 13^{\prime}, \\ \cdot \, \text{ong. W.} - 119^{\circ} \, 51^{\prime}, \\ \text{Height above sea-level, 1,372 feet.} \end{cases}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From January 1891 to April 1896 and from April 1912 to December, 1913.

			78.						1	recipit	ation ir	inche	No.	
			Ter	mperate	ire.				Ra	in.		Sne	ow.	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest,	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1895	1913			
December	28:5	33-2	23 7	32 0	21:4	49	- 2	0.25	1 30	0 00	0:00	1.7	4.0	0.4
anuary	22.0	28 7	15:4	25.2	15:7	49	- 23	0.06	0:30	0.05	0:00	2.4	9.8	0 3
February	27 2	34:4	19-9	35.1	21:6	71	- 22	0.04	0.50	0.00	0 02	2.7	6:5	0.3
Winter	25 9	32.1	19:7			71	- 23	0.35		0.05	0.02	6.8	7444	1 0
Iarch	37.7	47:5	27 9	40.8	34.8	68	9	0.38	1:03	0.56	0.00	0.4	3.0	0.4
pril	47:7	59-9	35.4	51:5	45.5	81	22	0.62	1:15	0.39	0.23	0.1	0.2	0.6
lay	58 4	69:3	47:5	58:7	54 2	89	32	0.96	1:60	1:31	1:60			0.8
Spring	47 9	58-9	36-9			89	9	1 96		2-26	2.13	0.2	7	2.0
une	64.2	74 8	53.6	66:7	59.2	96	37	1 28	2.23	0.46	2 · 23			1.2
uly	68:4	80 7	56:1	75.9	67:7	99	43	0.66	1.72	0.11	0.50		4-33	0.0
ugust	70.0	81:6	58:4	72.3	65:1	96	50	0.22	1.28	0.00	1.28			0.2
Summer	67:5	79.0	56.0			99	37	2.49		0.57	3.71			2.4
eptember	58.9	69-6	48:1	61.0	54:3	89	35	0.61	1.71	0.76	0.26	.,		0.6
etober	48.0	57:6	38:4	52.3	45:0	75	26	0.66	1.43	R	1:43	0.3	1.0	0.6
lovember	35.3	41:0	20.6	38:1	30 6	59	13	0.95	2 33	0.11	1.03	3.0	17.8	1.2
Fall	47:4	56-1	38.7			89	13	2 · 25		0.87	2 72	3.3		2.5
Year	47 2	56-5	37 8			99	- 23	7:05		3.75	8:58	10.6		8.1
Enowfall in wet or	dry ye	ar								1.9	18-8		_	
										- '				

January....

February...

Winte

March....

April

May.....

December ...

June
July......
August.....

September...
October...
November..

Fall..

Year.

80270

OKANAGAN VALLEY.

 $\begin{aligned} & \text{Penticton} \begin{cases} \text{Lat. N. } 49^{\circ} \, 29^{\circ}, \\ \text{Long. W. } 119^{\circ} \, 35, \\ \text{Height above sea level, 1,150 feet.} \end{cases} \end{aligned}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From April 1907 to December 1913.

	1.		40						- 1	recipi	ation i	n Inche	198.	
			10	mperat	ure.				Ra	in.		Sn	ow.	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest,	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1910	1909			
December		34.8	28-9	35.1	26.4	48	10	0.27	0.61	0.60	0.54	4.8	8.3	0.73
January	26:4	33.6	19.2	31.7	17:9	50	-10	0.12	0.44	0.41	0.06	6.5	9.6	0.8
February	29.6	36.2	22:7	35.0	23.9	54	- 8	0.24	2.75	0.50	2.75	3.2	4.8	0.86
Winter	29:3	35:0	23-6			54	-10	0.96		1-24	3.05	14:5		2.4
March	. 37 9	48:5	27:4	43.3	33.3	67	7	0 22	0.38	0.15	0.38	0.8	2.5	0.3
April	46:5	59:9	33.0	49.3	42.0	87	19	0.38	1:15	0.45	0.02			0.3
May	55:1	68:4	41.8	57:0	53:9	87	27	1:46	2-21	1.66	1:30			1:4
Spring	46:5	58:9	34 1			87	7	2.66		2 · 23	1 73	0.8		2.1
June	. 61 9	75:3	48:5	63.8	59:9	92	34	1 62	3.82	1:33	1.12			1.6
July	. 66.2	80.6	51:9	68:5	64:5	96	38	0.86	2:37	0.49	2-37			0.8
August	63.7	77:3	50.2	66.0	61.6	97	32	1.29	3.04	0.94	0.39			1.2
Summer	63 9	77:7	50.2		.,	97	32	3.77		2.76	3-88			3-7
September	. 56.8	69.3	44:4	58.6	53.7	90	29	0.96	1:58	0.25	1:58		***	0.9
October		57.9	37.0	52.2	44:7	77	20	0.75	1:48	0.62	0.83			0.7
November	. 38.9	46.2	31.6	41.8	33 7	69	1	0:57	1.04	0.26	0.68	1:4	5.0	0.7
Fall	47:7	57:8	37 · 7			90	1	2.28		1:40	3.09	1.4		2 4
Year	46.9	57:3	36:4			9;	-10	9 07		7:63	11.75	16 7		10.7
Snowfall in wet or dry	year									11:5	15:9			
										** 0	10 0			

SIMILKAMEEN VALLEY.

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES Princeton. Long. W. 129° 29′. Height above sea level, 1,650 feet.

From 1894 to 1898; 1901 to 1913.

Part Part				16.67	9:14				-				y year	t or dr	Total precipitation in wet or dry year
Value No. No				47	36.0									ear	wet or dry
## 10	13.09	10.00	150					-49	101						Year
## 15 15 15 15 15 15 15 15	3.75	1	100						77 %	1					Pall
## 1			9					-18	78					31.0	November
No.			0					10	90		53.5			43.4	October
Seminary Seminary			-					12	92						September
Month Month Mean £		:		1.04	1		12	101						Summer	
Tolly Toll								19	101			44.7	79.7	62.2	August
Month Mont			1				1.25	32	100			45.5	80.2		July
Month Mont		:	1					29	98				72.4		June
Month Mont		1	-					- 20	95	1					Spring
Month Mont		2.0						299	95						May
Month Mont					1.00			=	87						April
Month Mont								- 20	74						March
Month Mont		1						-49	8		i				Winter
15 15			~3					30	83						February
Mean. Mean Maximum. Mean Minimum. Highest Monthly Mean. Lowest Monthly Mean. Extreme Highest. Extreme Highest. Average Monthly Fall. Greatest Amount in One Month. Average Monthly Fall. Average Monthly Fall. Average Monthly Fall. Greatest Amount in One Month. Total.			11-11					- 49	69		21-1				January
Mean Maximum. Mean Maximum. Mean Minimum. Highest Monthly Mean. Lowest Monthly Mean. Extreme Highest. Extreme Lowest. Average Monthly Fall. Greatest Amount in One Month. Rainfall in Wettest Year. Average Monthly Fall. Greatest Amount in One Month.			11.5					- 20	00			14.3			December
Mean, Mean Maximum. Mean Minimum. Highest Monthly Mean. Lowest Monthly Mean. Extreme Highest. Extreme Lowest. Average Monthly Fall. Greatest Amount in One Month. Rainfall in Wettest Year. Average Monthly Fall. Greatest Amount in One Month.				1903.	1894.										
Precipitation in It Rain.	Total.	Greatest Amount in One Month.	Average Monthly Fall.	Rainfall in Wettest Year.	Rainfall in Driest Year.	Greatest Amount in One Month.	Average Monthly Fall.	Extreme Lowest.	Extreme Highest.	Lowest Monthly Mean.	Highest Monthly Mean.	Mean Minimum.	Mean Maximum.	Mean,	Month.
-		w.	Sno		in.	Ka									
			Inche	ation in	recipita	P			-	ure.	mperat	To			

March ... April

May ..

October November .

Fall..

Year

September.

July..... August June

From 1895 to 1913. MONTHLY, SEASONAL AND ANNUAL, MEANS AND EXTREMES.

.feet.	Long, W. 119e 15. Height above sea level,	(Coldstream	поптя
	[Lat. N. 50° 14]		

			96-21	02.8		** ***								noitatiqisorq lato'f
			0.9	15-0	,,,,,,								100	Snowfall in wet or dry y
13-81		13.4	13-36	4.30		82-6	0g -	101			6-88	0.00	2.19	Ден
99-8		8 7	3.30	10-1		88-5	21 -	26			2.16	8-19	8-11	IlaN
1 · 18	0.72		29.0	11.0	3.03	12.0	21-	99	1.07	0.01	v 10	e ot		
62.0	0.1		99-0	28.0	88-1	64-0	21	92	E-05	2-8t	1.25	6-0± 2-99	31.0	19dittavo
1.38	****	****		20.0	72.8	86-1	52	56	1-19	2-81	8-16	8. 29	42.3 92.6	dempetdependent
4-18			08.8	81.8		61.1	68	101			0-61	6.82	0.19	Summer
10 T			In 7	17.0	70.0	40.1								
1-03			20.6	25.0	32.8	1.03	66	86	9-09	1-64	9-61	9-08	62-1	gen2hi
08-1			96-E 22-8	6+45 1-43	96-E	1-30 1-80	98	26	9-79	9-14-8	9-09	6-18	9-09	mly
		-	-	-										
5.4		6-1-	97-1	21-1		86-I	8 -	16			6-88	8-90	1-91	Smads
7.1			92-0	91.0	2.33	1 - 63	15	16	9.19	9-20	p.15	F-29	1-10	
0.23	6-9	2-e	0.50	11.0	01.1	9.42	81	28	8-86	8-12	9.18	1.80	2.91	······liab
2.0	0.05	6.1	00.0	09 0	02-0	08.0	8 -	19	1.26	13.1	8.97	2.11	\$-98	dotal
3-55		2.08	00.0	00-0		81-0	- 30	0.2			2-21	9-18	2-16	Winter
1-1	0.85	8-6	00.0	00-0	09-0	FI.0	ee -	0.1	1.01	9.11	0.81	8-88	6.95	
1.10	9.16	0.11		00-0	81 0	90.0	08 -	90	8.9	6.18	9-81	6.95	8 05	Azenay,
1-5	9-98	6-6	00.00	00-0 1061	5-32	85.0	9 -	29	E-15	2-58	9-16	0.16	8-25	todinocal
Total.	Greatest amount month.	Average Monthly	Rainfall in Wette	Rainfall in Driest	Greatest amount month.	Average Monthly Fall	Extreme Lowest	Extreme Highest	Lowest Monthly	Highest Monthly	Mean Minimum.	Mean Maximum	Mean.	
	t in one	y Fall.	Wettest Year	t Year.	in one	y Fall.		P	Mean.	y Mean.	,	2		Month
	*ALC	oug		*11	inH									

KETTLE RIVER.

 $\label{eq:midway} \begin{aligned} \text{Midway.} & \left\{ \begin{aligned} \text{Lat. N. } 49^{\circ} \ 0' \\ \text{Long. W. } 118^{\circ} 46', \\ \text{Height above sea level, 1,800 feet.} \end{aligned} \right. \end{aligned}$

MONTHLY SEASONAL AND ANNUAL MEANS AND EXTREMES,

From August, 1895 to April, 1903, (also Jan.-Feb., 1904 and Nov.-Dec., 1909.)

									P	recipita	tion in	Inches		
			Te	toperat	ure.				Ra	in.		Sno	w.	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Ameunt in One Month.	Rainfall in Driest Year,	Rainfall in Wettest Year	Average Monthly Fall.	Greatest Amount in One month.	Total.
										1902.	1899.			
December	22:7	30.2	15-2	32-6	9.0*	50	-23	0.55	1:15	0.00	0.00	10.0	18.3	1 22
January	20.6	29 3	11-9	26 6	14.8	49	- 42	0.09	0.52	0.27	R	7.6	23.8	0.85
February	23 0	33:6	12.5	31.8	17:6	51	- 39	0.11	0.83	0.83	0.00	4.9	11.2	0.60
Winter	22.1	31:0	13 2			54	-42	0.42		1 10	R	22.5		2 67
				-										
dareh	33.8	46.2	21 3	41.2	24.9	69	-13	0.62	2:45	0.62	0.00	1.8	4.8	0.80
April	44.6	59:5	29 S	49.2	41 6	84	15	0.38	2:10	0:55	0.24			0.98
May	5314	69.2	37 6	58:5	48-7	95	22	2:24	3 77	1.82	1.65			2.2
Spring	43.9	58:3	29 6			95	-13	3 84		2.99	2.19	1.8		4 0.
June	5915	76:0	42-9	61:7	56:0	98	29	1.21	1:95	0.63	1.51			1.21
uly	64.7	81.5	45:0	69:4	61.8	100	34	0.84	1.83	1.19	1:34			0.8
August	64.0	84.4	43:7	68-9	50-3	104	29	0.93	3:34	0.00	3 34			0.90
Summer	62:7	81 6	43.9			104	29	2.98		1.82	6-19			2.9
I	54:1	71.2	37:0	57:8	48-8	92	21	1:06	1.52	0.66	1:41	-		1.00
September	43.9	57:4	30.4	52.4	42.0	81	13	0.68	1.82	0.00	1:07			0.6
November	32-6	42-1	23-1	40.9	23-9	64	- 31	0.64	2.20	0.16	2 20	514	12 5	1.1
Fall	43 5	56-9	30.5		F4.(F7)	92	-31	2 38		0.82	4.68	.5-4		2.9
Year	43:1	56:9	29 2			104	- 42	9-62		6.73	13:06	29:7		12:5
Snowfall in wet or dry yo	oar.									30.0	51.9		-	
catowian in wer or dry y	CHEET TO T									00.0	57. 0			

December...
January ...
February ...
Winter

March..... April...... May.....

Spring

August....

September...
October....
November...

Year.

^{*} Unlikely to be correct Dec. 1898.

SECTION V .- KOOTENAY AND ARROW LAKES.

 $\label{eq:Cranbrook} \begin{aligned} & \text{Cranbrook.} & \begin{cases} \text{Lat. N.} & -49^{\circ}30^{\circ}, \\ \text{Long. W-} & 115^{\circ}50^{\circ}, \\ \text{Height above sea-level, 3,014 feet.} \end{cases} \end{aligned}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1901 to 1913.

			Te	mperat	ure.					recipit	ation i	n Inche	196.	
									R	in.		St	юw	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1913	1902			
December	20-2	28 6	11.8	23.7	12:9	46	-27	0.51	1.23	0.00	0:00	13 6	4015	1.5
January	17 2	26:3	8.1	22.8	13.7	48	- 33	0.41	2:37	0.00	2:37	22.7	66.0	2.6
February	19:0	30.3	7.7	29 8	12.8	50	-35	0.16	1.15	0.00	0.00	13 2	31.7	1:4
Winter	18.8	28 4	9-2			52	- 35	0.78		0.00	2:37	49:5		5.7
March	31-1	42.8	1914	40 4	24.7	63	-21	0:59	1:07	0.00	1 07	5.2	21 0	11
April	42.2	56-3	28-2	46:3	38:5	87	14	0.96	3.87	0.48	3 87	1.8	5:6	11
May	50.7	65:3	36-1	52-9	46 8	88	18	1:47	4:52	0195	4:52			1
Spring	41 3	54-8	27 9			88	- 21	3.02		1:43	9:46	7:0		3 7
June	56:9	73 7	40.2	62 9	51:4	96	25	1.71	2:35	0.86	1 85			17
July	60:4	77-3	43.4	62.9	56:6	94	31	1:40	3.65	1 26	1.18			13
August	60:5	78:8	42-2	66.5	55:9	94	23	0.33	0.78	2.21	0.78			0.3
Summer	59-3	76.6	41 9			96	23	3.43		4:36	3 81			3 4
September	51.2	67 0	3514	54:5	47:0	87	19	1 39	2:10	0:81	1 35			1-2
October	42.0	55:7	2814	48 6	37.5	85	9	0.70	1:54	0.44	0.39	s	8	0.7
November	29:4	36.9	22 2	34.6	23.0	65	- 23	1:10	2:74	0.93	0:00	5:9	14.0	19
Fall	40.9	53.1	28.7			87	- 23	3.19		2 18	1:74	5.9		3 7
Year	40.1	53-2	26.9			96	-35	10 42		7 97	17 38	62 4		16-6

KOOTENAY AND ARROW LAKES.

 $\label{eq:lambda} \text{Tobacco Plains (near Elko)} \begin{cases} \text{Lat. N. } 49^{\rm o} 1', \\ \text{Long. W. } 115^{\rm o} 5', \\ \text{Height above sea level, } 2,684 \text{ feet.} \end{cases}$

MONTHLÝ, SEASONAL AND ANNUAL MEANS AND EXTREMES. From 1896 to 1913.

									Pr	ecipita	tion in	Inche	16.	
			Te	mperat	ure.				Ra	in.		Snor	w.	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in One-Month.	Total.
										1904	1912			
December	28.2	35.0	21.9	35.6	19.5	57	- 15	0.52	0.65	0.40	0:34	9.8	19.5	1.25
January	22.1	28.6	15:7	31.9	9.4	56	-32	0:46	0.02	0.31	0.43	11:4	25:0	1:60
Feoruary	25.7	33.3	18-0	35.6	13:3	59	- 37	0:41	1:10	0.02	0.43	8.7	25:5	1:28
Winter	25:4	32-3	18:5			59	- 37	1 14		0.73	1:20	29 9		4 13
March	34-4	43.7	25 1	42.3	25 2	66	- 11	0:58	1:64	1-39	0.06	5.9	13 3	1:12
April	45-1	57.2	33:1	51-3	41-4	86	15	0.86	1.29	1:20	1.24	0.5	5.9	0.88
May	53:4	65:7	41.0	61:4	48:1	93	20	2:33	5:56	0.72	1:20	s	0.2	2.33
Spring	41.3	55 5	33.1			93	-11	3.72		3.40	2.50	6.1		4:33
June	60:0	73-8	46:2	64:7	50 9	103	30	2:50	4:10	0.82	2.64			2:50
July	65.1	80 5	49.8	72 3	59.8	100	34	1.84	3.85	0.99	3 85			1:84
August	63.3	79 1	47:5	69-6	54:0	99	26	1:34	4 10	0.91	2:56			1.34
Summer	62.8	77 - 8	47.8			103	26	5.68		2.72	9:05			5-68
September	50.2	59:8	40.6	59.7	49-6	90	23	1:34	2:98	0:09	2:14			1:34
October	43.0	52:1	33.9	49:3	39.5	80	12	0.97	2:39	0.26	1.70	0.2	8.6	0.99
November	35.8	44.8	26.8	41 8	21.7	67	- 29	1 25	2.88	1:25	2 25	7.2	22.0	1:97
Fall	43.0	52.2	33-8			90	- 29	3:56		1:60	6.09	7:4		4:30
Year	43.9	54:4	33.3			103	- 37	14:10		8:45	18:84	43 4	4444	18:44
. Snowfall in wet or dry	POAR									48:0	52:5			
Showian in wet or dry	year .	*****												

December.
January ..
February..
Win

March ...
April...
May....

June July..... August...

September October.. November

KOOTENAY AND ARROW LAKES.

 $\label{eq:Fort Steele} \begin{cases} \text{Lat, N}, -49^{\circ}\,40^{\circ}, \\ \text{Long, W}, -115^{\circ}\,42^{\circ}, \\ \text{Height above sea-level, 2433 feet.} \end{cases}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES,

From 1893 to 1897.

			Total	nperati	100				P	recipita	tion in	Inche	H ₄	
			111	nperati	are.				Ra	in.		Sne	uw.	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Mean.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1896.	1894.			
December,	25.0	34:7	15:2	29:9	19:3	52	- 20	0.59	0.99	0.83	0.26	7.2	11 0	1:3
January	16-7	25.4	8.1	21:4	12:4	50	- 29	0.52	0.95	0.76	0.91	9:7	14.0	1:4
February	21.7	33:0	10:3	30:7	12.9	53	- 32	0.04	0.51	0.51	0.00	514	15:5	0:1
Winter	21.1	31 0	11:2			53	- 32	1:15		1:80	1:17	22 3		3.5
March	32-2	43:4	21:1	34.0	23 0	61	- 23	0.56	0.70	0.67	0.62	5.0	7.2	1 (
April	42.8	54.6	36:5	49:0	40.8	90	18	0.84	1.40	0.83	1 02	2.1	4.5	110
May	52.0	66:0	38 0	53.7	50.1	90	21	1.64	2.44	0.89	2 24			11
Spring	42.4	54:7	30:0			90	- 23	3 04		2:39	3 88	7:1		3-7
June	58-2	75:1	41:3	59:4	51:3	96	29	2 06	4 73	1:09	2 11			2.0
July	65.0	83:8	46.2	67:3	64.8	100	33	1.02	1.54	0.83	0:30			1.6
August	62.7	83 3	42.0	64.7	62-9	97	27	1:10	2 20	2 20	1 56			1:1
Summer	61:9	80.7	43:2			100	27	4.18		4 12	3:97		****	4:1
September	51:9	66-9	36 9	36-7	50-9	92	23	1.92	3 07	0.72	1:90			1:
October	42.7	56.0	29-4	43.2	42.1	73	12	0.62	0.38	0.19	0.98	0.4	1.5	0.6
November	27 7	36.2	18-8	35:3	16.7	60	- 36	0.95	1.84	0:96	0.80	12-2	22.6	2:1
Fall	40 8	53.1	28:4			92	- 36	3 49		1.87	3-68	12 6		4
Year	41.6	54:9	28-2			100	- 36	11.86		10.18	12 70	42 0		16:
Snow (wet or dry year).	-	1	-		-		1	-	-	-	35.5		-	_

KOOTENAYS AND ARROW LAKES

Nelson Lat. N. 49° 29' Long. W. 117° 21' Height above sea level, 1,760 feet.

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES From September, 1898 to June, 1991: January, 1994, to December, 1913.

80 86 87 88 80 80 80 80 80 80 80 80 80 80 80 80				-										Total manifestation
A			54.5										ear	wet or
Month Mont	1	0	85				1	100						Year
Windows Wind		*1					-1	3					45-9	Fall
Manual M		-		1.46	D1		-1	8		1.1				November
	-1	sa			4		20	75	41.7				45.0	
Windows Wind	1.79		19		90		18	8						September
Tupersture	6.73						34	100				76.6		Summer
Tupersture Show St. St	1.91		0.63		-3		34	94						
Windows Wind	2.00				5.60	2.00	40	£	62-0			80.3		July
Month Mont	2.79				-		34	100						June
Windows Wind	5-10							86						Spring
William Will	10	0	8		-		19	35	8.90					
1		-	1.16		10		9	79	3.3	50.5				
10	1.0	- 65			300			8						March
1			9					2						Winter
1	1 64	69	2	0.00	-			24	10 83 83					rebruary
Mean Maximum. Mean Minimum. Mean Minimum. Highest Monthly Mean. Lowest Monthly Mean. Extreme Highest. Extreme Highest. Extreme Lowest. Average Monthly Fall. Greatest Amount in One Month. Average Monthly Fall. Average Monthly Fall. Greatest Amount in One Month. Total.	0 3	3 46		0.60	10.			49	16.1				12	
Mean Maximum. Mean Maximum. Mean Minimum. Highest Monthly Mean. Lowest Monthly Mean. Extreme Highest. Extreme Highest. Extreme Lowest. Average Monthly Fall. Greatest Amount in One Month. Rainfall in Driest Year. Average Monthly Fall. Greatest Amount in One Month.	10	6 31	-	0.88	-		50	69	24.0				30.5	December
Mean Maximum. Mean Maximum. Mean Minimum. Highest Monthly Mean. Lowest Monthly Mean. Extreme Highest. Extreme Lowest. Average Monthly Fall. Greatest Amount in One Month. Rainfall in Driest Year. Average Monthly Fall. Greatest Amount in One Month.			1965	1910										
Rain.	mt	Greatest Amount in One	Rainfall in Wettest Year.	Rainfall in Driest Year.	Greatest Amount in One Month.	Average Monthly Fall.	Extreme Lowest.	Extreme Highest.	Lowest Monthly Mean.	Highest Monthly Mean.	Mean Minimum,	Mean Maximum.	Mean.	Month.
		Snow.		in.	Ra									
		-	-						in.	uperati	Ter			

March April. May.

September.
October...
November.

Fall Year

July..... August... June December, .
January. .
February .

KOOTENAY AND ARROW LAKES.

 $Rossland \begin{cases} Lat, N, 49^{\circ}5^{\circ}, \\ Long, W, 117^{\circ}48^{\circ}, \\ Height above sea-level, 3,400 feet, \end{cases}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1900 to 1913.

			781						Р	recipita	tion in	Inche	ь.	
			Te	mperat	ure.				Ra	in.		Sn	w.	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year	Average Monthly Fall.	Greatest, Amount in One Month.	Total.
December,	25-2	28-2	22:1	32.0	19.6	*42	2	0.31	2 22	1913	1907	31:7	43-9	
fanuary	21 - 2	24.7	17 8	28.6	13-7	41	-17	0:44	1.10			31 8		3-48
ebruary	27 · 2	30.6	23.9	31 0	19-9	49	-11	0.41	1-10			18-2	44-7	2 22
Winter	24.5	27 8	21 · 3			49	-17	1.16		0.00	0.67	81.7		9-33
farch	33 2	40-3	26-1	39-2	29 7	64	- 2	0.82	2.32	0.00	0.17	13-5	25:9	2 17
pril	41.6	52-4	30-9	48:4	38.9	77	16	1:12	2.84	0.31	0.59	3 9	15.8	1.51
Iay	50:3	5915	41:0	54.6	48:1	81	29	3:45	5-64	3 32	3:58	0.1	1.0	3 4
Spring	41.7	50:7	32 7			81	- 2	5:39		3-63	4:34	17 5		7:14
une	56.9	67:0	46.7	61.7	53 8	90	36	2:39	4:15	4:15	2.87			2 35
uly	63.2	74.8	51:7	68:4	59.7	91	38	1:10	3:35	1:24	0.88			1:10
August	59:9	70.7	49.1	62 6	50:7	88	34	1:58	5.89	0.71	5-89	s	s	1:58
Summer	60.0	70.8	49.2			91	34	5.07		6:10	9:64	(8414		5.07
eptember	53:0	62:3	43.7	55.1	50.2	81	26	2 04	4.28	1.19	4.28	S	s	2 01
October	42.1	48.8	35.4	47:4	37:4	65	18	2:14	3:45	1:06	1:37	6.2	24.6	2:76
ovember	32-3	36.3	28:4	37:0	27 4	58	2	1 28	2-95	0.24	1:54	23-0	37:4	3 58
Fall	42.4	49.1	35.8			81	2	5:46		2 49	7:19	29-2		8:38
Year	42.2	49.6	34 8			91	-17	17:08		12-22	21 84	128:4		29-32

SECTION VI-ILLECILLEWAET-UPPER COLUMBIA VALLEY.

 $\label{eq:Donald} \begin{array}{l} \text{Lat. N. 51° 28'.} \\ \text{Long. W. 117° 11'.} \\ \text{Height above sea level, 2,090 feet.} \end{array}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

Temperature from 1892 to 1899: Precipitation parts of 5 years.

			ry.						P	recipita	tion ir	inches		
			Te	mperat	ure,				Rai	n.		Sn	ow.	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One. Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in Ossa Month.	Total.
										1898	1899			
December	13.0	20 5	5:6	17.6	9.7	41	-38	0.30	0.81	0.00	0.00	37.1	55:5	4.0
fanuary	10.6	19:4	1.9	15:0	9.6	42	-45	0.53	0.88	0.00	0.00	31 9	77.0	3:4
ebruary	17:2	27.8	6.6	22.5	13-2	47	- 39	0.55	1.22	0.09	0.00	19.0	51:6	2.4
Winter	13.6	22.6	4:7			47	- 45	1.08		0.09	0:00	88.0		9-8
darch	28 6	41.3	15:9	35:8	22-4	67	- 25	0.68	1 60	0.00	0.00	6:4	13.7	1.3
April	39.7	52:1	57.2	42 9	37-5	74	9	6.64	1:24	0.07	0.00	3-3	11:5	0.5
day	48:7	£3:1	34:4	50.8	46:7	87	.19	1:27	2.26	0.20	2 26	1.2	7:5	1:3
Spring	39.0	52 2	25.8		144	87	- 25	2 59		0.66	2 26	10:9		3 6
fune	54:9	70.1	39.8	56:5	51:9	97	28	1.40	1.88	1.88	1 25			1:4
uly	61.0	78.0	44.1	62:7	58:4	94	32	0.81	1.66	1:15	1 66			0.8
Angust	60 5	78:3	42.8	71:6	56:9	97	28	1:62	4:38	1:08	4:38			1.6
Summer	58:8	75 5	42 2			97	28	3.83		4:11	7:29			3.8
September	49-9	61:4	35.5	54:4	44:7	86	20	2 80	6:57	1.20	1:06			2.8
Netober	39.8	50.6	29-0	41 3	36-9	74	14	0.64	0.39	0.59	0.99	1.8	9:4	0:8
iovember	25.5	31.9	19:0	37 2	14.0	,50	-21	1:14	2.40	0:46	2:40	25.4	46:5	3:6
Fall	38 4	49:0	27.8			86	- 21	1:58		2 25	4:43	27.2		7:1
Year	37:5	49 8	25.1			97	-45	12.08		7:11	14:00	126-1		24:6

December January . February

March.
April ...

June .
July . . .
August

Septemi October

Novemb

,

ILLECILLEWART—UPPER COLUMBIA.

Glacier (Long, W. 117, 29). Height above scalevel, 4072 feet.

MOZITLY, SEASOVAL AND ANNUAL MEANS AND EXTREMES,

From 1894 to 1912,

			11.69	20.90									*	latoT
			0.12	E-11					*					Ilalwon8
12-90		6 20	18 55	t-63	1.01	82-91	5g -	68			8-28	0.11	2-08	Lon
1.21		Z-00	19-11	a-10		F1.1	61 -	92			Z 65	13-1	1.90	
01-6	9 071	1-28	55.0	95.0	19-2	62-0	21-	81	2-91	1-18	0.05	21.2	2.92	
2-9	0.58	1.91	18: 2	00.0	18-2	18-8	61 -	6.2	6-66	0.11	1.00	13-3	8.90	
1.1	0.2	0-1	80-1	21-2	81-9	10.5	95	12	0.19	1-61	1.20	1.10	6-31	· · · · · · · · · · · · · · · · · · ·
06 4		5.0	95.2	92-1	***	16-2	65	68			g-11-	2.99	1-10	Summer
5.0	g.g	2.0	80.5	Z2 0	19-8	89.8	98	128	6-02	8-60	8.51	1-29	0.99	2902
5.3			1.03	91-0	4.35	16.5	EE	68	2.10	9-09	8 51	9-69	5.90	
6-6			29-8	88-0	92-1	66-8	£6	68	0.29	9-90	99-0	1-129	5-19	
89-6		9.18	3-41	25.0		1 - 35	111	0.5			8-95	9-21	2.08	Suinds
9.1	0 95	9.9	69-1	58-0	20 · E	16-0	91	42	1-01	2.00	8.48	8.10	8.11	
9.6	0.80	5 16	22.1	00.0	02 · I	15.0	6	19	7.08	6.0}	9.25	t 81	92-2	In
F-9	9.901	8.89	00-0	00-0	86-0	20.0	-13	10	9.91	9-12	2-21	1-12	1-98	
35-00		6 81	0 00	06:0	****	11-0	35	13			9-11	9-86	1.21	Winter
6.9	0.86	6.79	00.0	00-0	99-0	00-0	15-	43	F-6	1-15	6-11	1.15	0.81	£rena
7-6	7.881	1-92	00.0	00-0	1.40	01-0	26-	68	3.0	0.05	2-6	6-61	8.11	£autu
0.8	0.961	9.08	0161	05 0 968I	05.0	10.0	-13	43	13 2	I - EE	13-5	7-62	2-81	comport.
Average	Greatest Month.	Average	Kainfall in	Rainfall in	Greatest Month.	Average Monthly	Extreme	Extreme	Lowest	Highest Monthly	Mean 3	Mean 3	Mean.	
Preci	d Anio	e Monthly	lin We	l in Ur	h, Amo	e Mont	te Lowest	e Highest.		Mont	Minimum	Maximum		
Average Precipitation.	ant is Oss	thly Fall.	Wettest Year	Driest Year.	Amount in One	thly Fall.	1380	185	Monthly Mean.	hly Mean.	IID.	Alle,		.donol.
Total	·MI	us		·u	Kai									
		saqan	ni noi	ntiqis	ud				.916	quado	паД			

SECTION-ILLECILLEWAET-UPPER COLUMBIA.

 $\begin{aligned} & \text{Golden} \left\{ \begin{aligned} & \text{Lat. N.} -51^{\circ} \, 16', \\ & \text{LongW.} -116^{\circ} \, 55', \\ & \text{Height above sea-level, 2,550 feet.} \end{aligned} \right. \end{aligned}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1902 to 1904; 1908 to 1914.

									P	rscipita	ation in	Inche	14.	
			Ter	nperate	ire.				Ra	in.		Sn	ow.	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year,	Average Monthly Fall.	Greatest Amount in One Month.	Total.
Decombos	10.0	at . o		00.0						1914	1910			
December	18:9	25.9	11:8	23.9	8.5	45	-33	0.16				13 7	23.0	1.23
January	16:4	19.8	0·8 4·7	26:0	6.9	47 50	-51	0.06				24.7	30.8	2:53
	10 4	20.1	* /	26.0	0.5	50	- 30	0 02	0 09	0.00	- 0 00	11.4	30.8	1:16
Winter	15-2	24.6	5.8			50	-51	0.24		0.00	0:00	49.8		5.25
March	29:4	41:5	17:3	39.0	22.0	63	-24	0:46	1:40	0.25	1:40	6.2	17:5	1.0
April	42.0	55.1	28.8	47:0	37:0	80	8	0.25	1 70	0.60	1:70	1:6	4:0	0.6
May	50:7	64:4	36:9	53:1	47.9	89	21	0.92	2.23	1:10	0.68			0.9
Spring	40:7	53:7	27 · 7	211411		89	- 24	1.84		1 95	3.78	8:1	****	2.6
June	57:0	70.6	43 3	61:7	48.9	94	29	8:64	2.51	1:09	1:97			1.6
July	61:3	77:1	45.6	67:7	59 6	94	34	1.52	3.73	0.42				1:50
August	58:1	72.4	43.9	60.3	55:6	91	28	1.63	3-92	0.45	1.64			1:6
Summer	58-8	73.4	44.3			94	28	4:79		1:56	3.83			4.7
September	49:7	62:2	37:3	52.9	43 6	83	20	1:65	3-25	1:73	1:60			1.6
October	40:4	51:0	29.8	44.3	35.9	73	7	1:34					7:0	1:4
November	28:4	35 1	21 6	36:0	16.0	60	-27	0.88				17:9	38.0	2.6
Fall	39:5	49-4	29-6		***	83	-27	3.87		3:35	5:66	19:2		5.7
Year	38 6	50.3	26.8		.,	94	-51	10:74		7 26	13:27	77:1		18:4
Snowfall in wet or dry y	ear									72 8	77.2			
Total precipitation in we	e or dr	y year							*****	14.94	20.99			

December...
January ...
February ...

Winte March

Spring June

July...... August....

Summ

September...

November..

Fall. Year

ILLECILLEWAET-UPPER COLUMBIA.

 $\begin{array}{l} {\rm Revelstoke} \left\{ {\rm Lat.~N.~57^{\circ}~0''.} \right. \\ {\rm Long.~W.~118^{\circ}~6'.} \\ {\rm Height~above~sea~level,~1,476~feet.} \end{array} \right. \\ \\ \end{array}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES,

From May, 1898, to December, 1914.

			T.	mperat					P	recipit	ation is	Inche	к.	
			10	mperat	ure.				Ra	án.		Sne	ow,	
Month.	Mean:	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1904.	1902.			
December	26 9	31:3	22.5	30.8	14:9	48	-10	0.80	3 32	0:37	0:00	37.6	77:5	4:56
January	19:9	25.5	14.3	30.5	4.2	46	- 25	1.17	3 84	0 29	Noobs	40:4	75:7	5 21
February	22.7	30.2	14.9	31 1	16-7	50	- 19	1.03	2 60	0.00	Noobs	35.1	55:1	4:54
Winter	23.2	29.1	17 2		****	50	- 25	3.00		0.66		113-1		14 31
											-			
March ,	32.8	42.2	23.5	38 6	25.9	66	- 6	1:52	4:03	0:16	Noobs	13.1	33.7	2:83
April	42.0	53.1	31.0	47:1	36 5	77	17	1.91	4:30	1:45	1:49	0.2	2.0	1:96
May	51.8	64.8	38.8	55:9	44.8	92	23	2 21	3.65	1:43	3.68	0.1	2.0	2 25
Spring	42.2	53:4	31 1	***		92	- 6	5:64		3 34		13:7		7:01
June	58:7	71.8	45:6	63.9	50.5	95	24	2.97	5 44	3 67	3 41			2 97
July	63:7	79:0	48:4	68:6	56 7 4	100	31	2:50	9.68	1:61	9:68			2:50
August	61:3	75 4	47 . 2	69-2	57:4	93	21	2 66	7:02	1:53	4.65			2.66
Summer	61:2	75:4	47:1			100	21	8 · 13		6 81	17:74			8:13
September	52.9	64.6	41.2	56.2	47:4	89	27	3:39	8:14	1:74	3.75			3 - 39
October	43.0	50.9	35.1	46.2	38.6	66	21	3 97		1:03				3.98
November	34.3	39.1	29 4	38:6	25.7	57	- 4	3.86					44:5	5.00
Fall	43 · 4	51.5	35.2		.,	89	- 4	11:22		6 35	18 42	16 s		12 90
Year	42.5	52.3	32.7			100	- 25	27 99		17:16	41 33	143 6		42 35

^{* 9} months.

SECTION VII. UPPER FRASER—BABINE LAKE.

 $\label{eq:Barkerville} \begin{array}{l} \text{Barkerville.} \\ \text{Long. W. 121° 35'.} \\ \text{Height above sea level, 4,180 feet,} \end{array}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1888 to 1913.

			Tel	mperat	are.				R	in.		Sne	w	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest,	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1896.	1904.			
December	21.2	27-6	14.8	27:3	11.6	58	-29	0:06	0.56	0.00	0.00	33.5	60.1	3.4
lanuary	16.6	23.1	10.1	26:4	3.9	46	-44	0.16	1:00	0:51	0.00	26:3	62 0	2.7
February	18:9	26.8	11.0	27:1	4.6	50	-46	0.10	1:15	0:00	0.03	24 9	52 0	2:5
Winter	18:9	25.8	12.0			58	-46	0.32		0.21	0:03	84.7		8.7
farch	25 8	35.4	16 3	33-6	16-9	62	-26	0:13	0.90	0.00	0.00	18.5	57 5	1:9
April	34.3	44:3	24 2	40 4	28-7	76	- 8	0.22	3.00	0.00	1 79	13.9	36-2	1:9
lay	44:5	56%	32-9	50.6	38-6	86	6	2.08	4:14	1.58	9 29	2.8	13 2	2.3
Spring	34.9	45.2	24-5			86	- 26	2 78		1:58	4 08	35-2		6.3
une	50.1	61-9	38-3	54.9	46.5	86	26	3:36	5:91	1:95	4:75	0.3	4.0	3 3
uly	54.5	67 3	41.8	59-7	51.0	88	30		7:40	0.16		0.0		3 1
ugust	53.7	66:3	41.1	61:5	47.5	93	24	3 23	8:30	1:75				3.2
Summer	52.8	65.2	40:4			93	24	9:72		3.80	12:99	0.4	(**)	9.7
eptember	15-6	56:3	34 9	52.6	39.2	87	17	3:41	7 74	0:99	6-29	1-3	8.0	3.5
etober	37 6	45:7	29:4	42.8	31 0	76	0	1:95	5.82	1 07	1.83	9.5	34:2	2.9
lovember	25.4	39-3	18-1	35-1	5.2	66	- 25	0.68	2.98	0.00	2-86	25-7	41.0	3.2
Fall	36-2	44.8	27:5			87	- 25	6.04		2:06	10.98	36-5		9 (
Year	35-7	45.3	26:1	4.,,		93	- 46	18.86		8 01	28:08	156.8		34

December. . . . January

February.... Winter

Spring June....

July...... August

Summ

September . . . October

November. .

Fall.

 $\label{eq:Chilcotin} \text{Chilcotin (Big Creek)} \begin{cases} \text{Lat. N. } 51^{\circ} \cdot 40^{\circ}, \\ \text{Long. W. } 123^{\circ} \cdot 0^{\circ}, \\ \text{Height above sea level, } 3,100 \text{ feet.} \end{cases}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1904 to 1913.

			700						P	recipit	ation is	n Inche	16.	
			. Te	mperat	ure.				Ra	ún.		Sn	ow.	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total
										1904	1911			
December,	20.8	28 2	13:4	24-3	10 3	52	-28	R.	0.03	0.03	0.00	8.6	22.0	0.8
January	11:7	22.0	1:4	24.8	-4-4	55	- 50	0.00	0.00	0.00	0.00	6:4	10:0	0.0
February	17:9	30 0	5.7	24:0	6.5	52	- 38	0.01	0.09	0.00	0.00	7:4	18:0	0.7
				-										
Winter	16.8	26.7	6.8			55	- 50	0.01		0.03	0.00	22.4		2 :
N	07.5		11.5											
March	39.7	40°4 53°6	25:7	48:4	31.9	64 87	-26 - 6	0:01	0.10	0 00	0.00	4·8 2·6	10:3	0 :
May	46.6	61:5	31 6	49 9	34:1	83	18	1.02	0 77 2·64	0.20	0 82	0 6	4.5	13
Spring	37 9	51:8	23:9			87	- 26	1:17		0.97	0.82	8.0		1.1
June	52.0	67:7	36.2	56.3	50:3	89	24	1:64	3-22	0:81	1:80			1:1
July	59.6	75:5	43.6	64.2	55-1	96	29	1:38	2 82	0:43	0.33			13
August	58:0	73.6	42:4	69.0	53-3	102	25	2.04	4:10	0.32	4:10			2
Summer	56:5	72:3	40:7			102	24	5:06		1:59	6.23			51
September	48.6	62 6	34:5	54-1	46.4	90	15	1.24	3.52	0.02	3:52			13
October	37-2	50.0	24:3	42.8	32-5	74		0.44	0:96	0.49	0.00	2.2	5.5	0.0
November	25.1	35.2	15:0	39-9	2.3	65	-31	0:14	0.38	0.00	0.00	9-7	27:0	P
Fall	37:0	49.3	24.6			90	-31	1:82		0:56	3.52	11 -9		3
Year	37 1	50.0	24:0			102	-50	8-06		3-15	10-57	42-3		12 :
Snowfall in wet or dry y	ear									40:1	59.0			
		y year.												

Clinton, B.C. $\begin{cases} \text{Lat. N. 51}^\circ 7', \\ \text{Long. W. 121}^\circ 38', \\ \text{Height above sea level} ---3040 \text{ feet.} \end{cases}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1881 to 1889 (broken period).

			-						P	recipit	ation ir	Inche	16.	
			Tet	nperati	ure.				Ra	in.		Sn	ow.	
Month.	Wean,	Mean Maximum.	Mean Mimimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest,	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1882	1889			
December				23-2	19:1	47:5	- 39:0	0:20	1:38	0.00	0.00	6.3	25.0	0.83
anuary				14.8	5.1	49.5	-46.5	0.10	0.20	0.00	0:00	9.0	15:3	1:00
ebruary				31.7	18:3	51:5	-51.0	0.03	0.09	0:00	0.00	4.0	11:5	0.43
Winter	22221							0:33		0.00	0 00	19:3		2 26
dareh				37:4	28:0	67:0	-17:5	0.01	0.09	0.00	0.00	2.7	9.3	0.28
April				46.1	34.9	81:0	11.5	0.04	0.10	0.10	R	0.2	2.0	0.06
May				51:8	41.6	86:5	17:0	0.79	2 30	0.24	2:30	s	s	0.79
Spring								0.81	**	0.34	2:30	2 9		1.13
lune				58:1	53 S	88 0	25.0	0.70	1.72	1.72	0 09			0.70
uly				64 1	58.6	96:0	28:0	0.35	0.70	0:70	0.05			0.35
ugust				62-5	59:9	92.5	27 0	0.28	0.71	0.71	0:59			0.28
Summer								1:33		3-13	0.70			1 33
eptember				56:6	49:0	92:0	7.0	0.29	0.28	0.03	0.98			0.29
October				44:4	41 0	79-0	1.5	0.30	1:12	0.06	1.12	1.0	4:0	0.40
ovember				33:9	28.4	56:0	- 23 · 0	0.25	1 00	0.06	0.00	2.0	17:9	0:45
Fall								0.84		0.09	2.10	3.0		1:14
Yesr								3:34		3.26	5:10	25:2		5.86

.

July. Augu

Janua Febru

Marel April May

Septe Octol Nove

Fort St. James, Stuart's Lake $\begin{cases} \text{Lat. N. } 54^o \cdot 28' \\ \text{Long. W. } 124^o \cdot 12' \\ \text{Height above sca level, } 2280 \text{ feet.} \end{cases}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1894 to 1912.

			Ten	nperat	mro.				P	recipita	tion ir	Inch	178.	
			4.500	njerav					Ra	ín.		Sn	ow-	
Month,	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest,	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year,	Average Monthly Fall.	Greatest Amount in One Mouth.	Total.
										1899	1908			
December	16.9	26:4	7:4	$24 \cdot 2$	7:4	48	- 41	0.30	1:34	0.22	0.00	12.5	21-3	1
anuary	7 2	18 5	-4.0	18 6	-14:9	49	- 53	0.24	2 33	2 33	0.00	13.4	37:1	1
Pebruary	.12 5	2414	0.2	20-9	1.6	50	-55	0.22	0.70	0.18	0.40	9.7	19:3	1
Winter	12 2	23 1	1.3			50	- 55	0.76		2 73	0:40	35.6		4
darch	21.5	34.1	9:0	32.3	12 7	60	- 39	0.00	0.96	R	0.11	5.5	14.9	
April	34-3	47.4		43.7	30.0	71	- 39		2 19	0·03	1:04		15:8	0
lay	43.6	57.2		54 0	39 3	88	11		3 28	0.70	3 28		2.0	0
Spring	33 1	46.2	20.0			88	- 39	1:73		0 73	4:73	8:7		2
une	50.8	65:5	36.1	56:4	44.9	90	21	1:50	3:40	R	2 01			1
uly	54.6	71.1	38-1		48:7	97	24		3.04	R				1
lugust	53.3	69-1		58.2	47:4	90	18		3.09	R				1
Summer	52-9	68:6	37 2			97	18	4:11		R	5.03			4
eptember	44.6	58 3	30-9	48:9	39 8	80	11	1.20	2.10	0.95	1:89	0.3	4.2	1
etober	36-9	48.5	25:3	43-4	29.5	77	- 2		2.21	1.00	0.45	1.3	6:0	1
Kovember	23-6	33 5	13.6	36.7	- 0.3	61	- 36		1 81	0.12	1.81	12:5	28 0	1
Fall	35 0	46.8	23 3			80	- 36	2.88		2 10	4:15	14.1		4
Year	33.3	46 2	20:4			97	- 55	9.48		5:56	14:31	58 4		15
Snowfall in wet or dry ye	ar	111111								50.0	64 3	-		
										-				

1.00 0.43 2.260.280:06 0.79 1:13 0.70 0.35 0.281 33 0.290.40 0.45 1.14 5.86

Lilloet . . J.at. N. 50° 42'. Long. W. 121° 55'. Height above sea-level, 840 feet.

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1878 to 1883.

, '									P	recipita	ation in	Inche	в.	
			Ten	nperatu	ire.				R	ain.		Sn	ow.	
Month.	Mean.	Mean Maximum.	Meau Minimum.	Highest Monchly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1882	1879			
December				31.1	18.2			1.28	3.26	1:06	0.60	8.6	17:2	2.1
January				24.8	18 7			0.63	1:40	0.00	1.40	11:1	16:2	1.7
February				28.9	19.9			0.38	0.91	0.45	0.91	7:3	11.2	1.1
Winter								2.29		1.51	2.91	27:0		4:9
darch				45.8	29 7			0.80	3:40	0.15	3:40	3.6	8.7	1.16
pril				48 6	42.7			0.57	0.88	0.23	0.75	S	0.2	0.25
day				59:3	52.0			1:46	2-47	0.18	2.29	0.0		1:4
Spring					,			2.83		0.86	6:44	3.6		3.1
June				66-6	58.6	*****		1:32	2-90	0.80	2:31			1:33
uly				71 .8	65.7			1.10	2.24	0.42	2.24			1.10
August				69.8	62-4			0.84	1.70	1.22	0.30			0.8
Summer								3.26		2.44	4.85			3.9
eptember				60.3	52.9			1.05	2.11	0.89	1.10			1.0
October				50.7	40.6			0.95	1.54	1.02	0.93	0.1	1.0	0.90
November				36.7	29-3	****		1.19	3.10	0.63	0.36	4.4	7:5	1.6
Fall	. ,,		1.4243				****	3.19		2.24	2.39	4.2		3.6
Year								11.57		7.35	16-59	35.1		15.0

Decen Janua Febru

Marel April May.

June July Augu

> Octo Nov

 $\label{eq:Quesnelle} \begin{aligned} &\text{Quesnelle} \left\{ \begin{aligned} &\text{Lat. N.} -52^{\circ} \, 59^{\circ} \\ &\text{Long. W.} -122^{\circ} \, 30^{\circ} \\ &\text{Height above sea-level.} -1,700 \end{aligned} \right. \\ &\text{feet.} \end{aligned}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES. From 1894 to 1913.

Second S				20.52	16.10								ry year	et or d	Total precipitation in wet or dry year
Month St. St												:		937	Snowfall in wet or dry y
Month Mont	-							-50	100						Year
Total Free Month Free Free Month Free Free Month Free Fre	+							-51	8	1:	1				
Month Mean								1 23 33 34 35	25 25 25		50-3				Suptember
Proceedings Proceedings	D1						5.01	2	100				10 10		Summer
Month Mont				3 47 3 65				9 8 8	8 8 8	56 - 4 - 8 - 5 - 5	64-5		21 21 22 10 00 00		June July August
Month Month Month Mean -							-30	92			59.60	26:29		Spring	
Month Mont		0.1			0.10		0. 38 29 28	15 - 30 15 - 4	8 2 2	46 2 46 2				51-5 51-5	March April May
12 14 15 15 15 15 15 15 15								-50	64	1					
Mean Mean		30·0	9.6	0.00	0.04			- 30	2 2	3 9 3 3		= -		21.0	January
Mean Maximum. Mean Minimum. Highest Monthly Mean. Lowest Monthly Mean. Extreme Highest. Extreme Highest. Extreme Lowest. Average Monthly Fall. Greatest Amount in One Month. Rainfall in Driest Year. Rainfall in Wettest Year. Average Monthly Fall. Greatest Amount in One Month.	0			1913 0:42	0.82			102	2				33.4	21.4	December
Temperature. Precipitation in It	Total		Average Monthly Fall.	Rainfall in Wettest Year.	Rainfall in Driest Year.		Average Monthly Fall.	Extreme Lowest.	Extreme Highest.	Lowest Monthly Mean.	Highest Monthly Mean.	Mean Minimum.	Mean Maximum.	Mean.	Month.
Temperature.		.w.	SS		in.	Ra									
			Inche	ition in	recipita	9				ure.	mperat				

4.99

1.46

1.2 2.14 1.2 1.74 1.5 1.11

Month.

Total.

7.5 1.63 1.0 0.96

3.26 0.84 1.32 3.19

1.10

3.64

15.08

 $\begin{array}{l} \text{Quesnelle Forks} \left\{ \begin{matrix} \text{Lat. N.} -52^{o} \ 45^{\circ}. \\ \text{Long. W.} -121^{o} \ 55^{\circ}. \\ \text{Height above sea-level, } 2,275 \ \text{feet.} \end{matrix} \right. \end{array}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1897 to 1906.

									P	recipita	tion in	Inches		
			Te	mperat	ure.				Ra	in.		Sne	w.	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in Che Month.	Total.
										1904	1903			
December	24.6	31.0	18-2	33.5	15.5	50	16	0.19	0.78	0.00	0.20	17:7	35.7	1:96
January	20.1	27:7	12.6	26.8	16:1	48	- 28	0.33	1:55	0:30	0.03	20.7	38.5	2:40
February	21.1	29 9	12:3	30.4	8.0	52	-26	0 17	6:49	0.00	0:10	17.8	45.0	1:93
Winter	21 9	29:5	11:4		2000	52	- 28			0:30	0 33			6.31
March	28:1	39 0	17:1	37.6	19:7	59	- 26	0.27	0.91	0.10	0.39	9.4	21-5	1.2
April	40.3	52.1	28:5	44.6	23.4	79	5	0.86	1.67	0:72	0:84	4.1	20.6	1.2
May	49.0	62.5	35.6	52:0	45:1	86	15	1:94	3:16	0.85	1:71	0:5	1.6	1.9
Spring	39:1	51.2	27:1			86	- 26			1.69	2.94			4.4
June	55:1	68:3	42.0	58:3	52.6	98	28	2.85	3:90	2.10	3.78			2.8
July	59:6	74.0	45.2	65:5	56.1	98	32	1.92	3.24	2.01	2:60			1.9
August	57:9	72.5	43:3	65:4	54.7	95	30	1.85	6:07	0.12	2:76			1.8
Summer	57.5	71 6	43.5			98	28			4.26	9:14			6.6
September	49.3	61 2	37:4	53.6	43.9	86	21	2.37	5:19	0.72	5-19			2.3
October	41-7	50.3	33.0	49.4	35.2	75	4	1.88	3.23	2:46	2:95	1:1	3.2	1.9
November	30.2	37:3	23.1	41:4	15:4	61	- 22	0.89	2.47	0.47	0.88	14:3	28:0	2.3
Fall	40.4	49.6	31 2	****		86	- 22			3.65	9:02			6-6
Year	39.7	50.5	29:0			98	- 28	15:52		9:90	21:43	85-6		24.0
In wet or dry year snov	wfall.									83:5	76-0			
an mer en en year anon										18:25				

Decemb Januari Februa

March.

May ..

June... July... August

Septen Octobe Noven

SECTION VIII--ATLIN LAKE.

 $\begin{array}{l} \Lambda tlin \left\{ \begin{array}{ll} Lat. \ N.-59^{o} \ 35^{\prime}. \\ Long. \ W.-133^{o} \ 38^{\prime}. \\ Height above sea-level--2,246 \ feet. \end{array} \right. \end{array}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From August 1905 to December 1914.

			77						Pr	ecipitat	ion in	1nche	K.	
			Lea	nperati	ire.				Rai	n.		Sne	ow.	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfail in Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1912	1909			
December	14.3	19:4	9.2	21:4	7:3	45	-25	0.09	0.28	0.22	0.00	11:0	30:3	1:1
Januarv	-1:6	4.6	-7:8	16:2	18:5	40	-50	0.02	0.12	0.00	0.60	9:4	16:3	0.5
February	6-7	14.2	-0.9	18.1	3:4	43	-43	0.02	0-12	0.05	0.00	8.8	21.5	0.3
Winter	6:5	12.7	0.2			45	-50	0.13		0.24	0.00	29:2		3
March	18:4	27.2	9:6	23:7	10.1	50	- 29	0.27	2-12	0.00	2.12	6.3	17:6	0
April	30.9	39:4	22.4	33.7	26.1	51	-12	0.05	0.36	.0:01	0.36	2.1	11:0	0:
May	42-2	51:0	33-3	46 2	11:1	72	19	0.33	0.96	0.17	0:49	0.3	1:0	0:
Spring	30:5	39-2	21 8			72	- 29	0.65		0 18	2 97	8:7		1
June	49.6	60.3	38 8	51:8	17:4	76	25	0.75	1:74	0.26	0.51		2:5	0.7
fuly	52.7	62.8	42.6	72 1	50:0	81	34	1:04	2.11	0.20	1.92			1
August	50:9	59:7	42.0	53.8	49.0	77	. 28	1-39	1.82	1:77	1.82	S.	0.2	1
Summer	51.0	60:9	41 1			81	25	3 11		2 53	4:25	s.		3
September	43.9	50:9	36:9	46:2	41:1	68	24	1:03	1-96	0:51	1 56	2.1	9.8	1:
October	35.6	40.8	30.3	38.8	29-2	55	- 3	0:45	1:19	0.92	0.12	6.1	13 · G	1
November	22:0	26.6	17:4	27:7	5:6	54	-28	0.33	1:42	0.00	0.00	9.9	20.3	1
Fall	33 8	39-4	28.2			68	-28	1.81		1 · 43	1.73	18-1		3
Year	30.5	38.1	22:8			81	-50	5 70		4:38	8:95	56.6		11
Snowfall in wet or dry y										3.28	40.2			-

1.96 2:40 0 1:95 6:31 1.21 1.27 1:99 4 47 2.85 1.92 1.85 6.62 2.37 1:99 2:32 6.68 24.08

SECTION IX-PACIFIC COAST AND ISLAND.

$$\label{eq:bella coola} \begin{split} \text{Bella Coola} & \left\{ \begin{aligned} \text{Lat. N. } 52^o \ 40', \\ \text{Long. W. } 126^o \ 54', \\ \text{Height above sea-level, } 150 \ \text{feet.} \end{aligned} \right. \end{split}$$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

Temperature from 1898 to 1911; Precipitation from 1898 to 1914.

									P	recipita	ation in	Inche	8,	
			Te	mperat	ure.				Ra	in.		Sn	ow.*	
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year	Average Monthly Fall.	Greatest Amount in One Month.	Total.
										1911	1913			
December	30.7	34.4	26.9	35.8	22.3	55	7	4.62	9.75	6:15	6.99	8.6	28.3	5.48
January	24.9	29.6	20.3	32.9	14:7	47	-18	2.22	4.52	2.13	2.83	18.6	38.5	4.08
February	29.0	35.1	23:0	37.7	21.7	52	- 3	1:67	4.11	0.30	2:46	12.0	33.0	2.87
Winter	28.2	33.0	23:4			55	-18	8:51		8-58	12:28	39.2		12.43
darch	36:4	45 2	27.5	41.9	31.0	63	1	2.62	8.78	3 45	2.97	6.6	35.8	3 28
\pril	43.8	54:7	32.9	48.6	40-1	82	15	1:76	3:74	0.82	2.64	1.5	14:2	1.91
day	51:9	63.9	40:0	54.8	49:4	87	28	1 75	4:37	1:26	4-37			1.75
Spring	44.0	54.6	33-5			87	1	6:13		5.53	9-98	8.1		6:94
fune	56.7	68-1	45 2	63-0	53.0	97	32	1:70	3:31	1:48	3 31			1.70
fuly	61.6	73.9	49.4	66.7	59:4	99	38	1.71	3.80	0.93	0.71			1.71
August	60:4	72.9	47:8	67:1	55:5	96	30	1.91	3.89	1.59	1:77			1.91
Summer	59:6	71.6	47.5			99	30	5:32		4:00	5:79			5:32
September	54:3	64.9	43 6	56:1	51:0	89	27	3.90	10.66	2 13	8:11			3.90
October	45.6	53:0	38 1	49.8	41.7	69	22	6.99	12.72	4:71	12:42	0.6	8:5	6.61
November	35.8	40.9	30.7	41.7	30:1	55	7	6.00	10.65	5 : 29	8:65	7.0	18:2	6 70
Fall	45.2	52.9	37.5			89	7	16:45		12:13	29 18	7.6	1 4.7.4	17:21
Year	44.3	53-1	35.5	****		99	-18	36:41	43. 4	30.24	57:28	54.9		41 . 90
Snowfall in wet or dry ye	rar .									61 2	55:3			
Total precipitation in we									***	36 36				

Decem Januar Februr

March April. May

June. July.. Augus

Septe Octob Nove

 $\label{eq:Massett Queen Charlotte Islands} \begin{cases} \text{Lat. N. } 53^{\circ} 58^{o}, \\ \text{Long. W. } 132^{\circ} 9^{\circ}, \\ \text{Height above sea-level, } 30 \text{ feet.} \end{cases}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From June, 1807, to December, 1913.

			To	mperat	1100		Precipitation in Inches.								
									Ra	in.		Sn	ow.		
Month.	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest,	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total.	
										1902.	1903.				
December	39.4	45:3	33.2	45.3	34:5	60	18	5:13	9 85	2.15	9:51	7.8	26:0	5:9	
January	35.9	42.1	29 6	40.4	27:4	60	4	4.24	15:10	2.25	6:05	15.9	53:0	5.8	
February	37 · 2	43.5	31.0	40.8	31.8	55	9	3:44	15.20	5.70	2.70	6.2	17:0	410	
Winter	37-5	43 6	31 · 4			60	4	12 81		10 10	18:26	29.9		15.8	
March	39-4	46.7	32 2	44.9	34.0	64	17	2.66	5:30	2 50	2:15	4.5	29.0	3.1	
April	42.6	49.6	35.6	48.2	38:3	69	22	4.67	13:40	1:17	8.50	2.2	9.0	4.8	
May	48 6	56.3	40 4	57:3	42.1	76	27	4:65	16:35	1.60	16:35			4.6	
Spring	43.5	51:0	36:1			76	17	11 98		5.27	27:00	6-7		12-6	
June	53.7	61-9	45:5	59 2	49:4	80	33	2:43	6:40	0.65	6:40			2.4	
July	58:1	65.6	50.6	65.7	50.6	- 83	39	2.85	6.20	6:50	0.35			2.8	
August	58.9	66.8	51:0	64.7	55:4	84	38	2.74	8:35	2.80	2 65			2.7	
Summer	56.9	64.8	49.0			84	33	8:02		9:95	9:40			8.0	
September	53.5	61.2	45.9	56.7	50.6	75	35	4.00	10.65	1.17	2.75			4.0	
October	46.6	53.9	39.4	49.6	43.8	64	17	5.72	10:15	2:35	10.15	0.1	1.0	5.7	
November	40.3	46.6	34 1	43.5	29:7	66	12	5.71	11.86	1 20	10.15	3.4	-15:0	6.0	
Fall	46.8	53.9	39.8			75	12	15:43		4.72	23.05	3-5		15:7	
Year	46.5	53 3	39.1		****	84	4	48.24		30:04	77:71	40.1		52.2	
Snowfall in wet or dry ye						_				20.4	47:5			-	

5.48 4:08 2.87 12:43 3.28 1.2 1:91 1.75 6.94 1:70 1.71 1.91 5:32 3.90 8.5 6.61 6 70 17:21 41.90

 $\label{eq:Naas-Harbour} \begin{cases} \text{Lat. N. } 54^{\circ}\,56',\\ \text{Long. W. } 129^{\circ}\,56',\\ \text{Height above sea level, } 20\text{ feet.} \end{cases}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1901 to 1910

											Precipitation in inches.						
Month.			Te	mperat	ure.			Ra	in.		Sne						
	Mean.	Mean Maximum,	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total.			
										1902.	1908.						
December								7:31	13.72	3 56	3:61	22 7	89.0	9:5			
anuary								3.94	12:30	4:75	4 22	45:2	73:0	8.4			
ebruary								2 43	8:67	1:10	1:40	18:3	57:0	4:5			
Winter				***		2744		13 68		9:41	9 · 23	86 2		22:5			
farch								3:36	6:44	5:04	6:44	15.8	52.0	4:			
April								4.63	10:11	1:34	10-11	4.2	13.0	51			
day								3.63	5:34	1.98	4.06	S.	S.	3.0			
Spring								11:02		8:36	20.61	20.0		13 (
June								2.52	4.69	2:55	1.89			9:1			
uly								3.03	5:38	2.66	3.06			3.0			
August						****		6.62	11.58	11:58	2.22			6.6			
Summer						***		12:17		16 79	7:17			12:1			
September								10.61	24.88	10.07	24.88			10:6			
October					4.0.1.1.1	× + + × × -		12 98	22.27	6:34	18.85	0.1	1.0	12:5			
vovember						****		8:49	15:84	7:19	7:23	6:2	23.0	9.1			
Fall								32.08		23.60	50:96	6.3		32			
Year								68.95		58 16	87 . 97	112 5		80 '			
Snowfall in wee or dry ye	ear									179.0	94.0						
										76:06							

Janu

Apri May

July

 $\begin{array}{l} \text{Lat. N.} -54^{\circ} \, 34^{\prime} \\ \text{Long. W.} -130^{\circ} \, 36^{\prime} \\ \text{Height above sea-level-} 26 \, \text{feet.} \end{array}$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From 1886 to 1907.

	T-usperature.								Precipitation in Inches.							
Mouth.									Ra	in.		Snow.				
	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest.	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Menthly Fall.	Greatest Amount in One Month.	Total.		
										1900.	1894.					
December	36.9	42.6	31.2	41 6	30.6	62	5	10 11	18 82	11 64	11:06	8.7	34:1	10:5		
January	34.0	40.0	28.1	42:0	24 2	64	- 9	8:62	16.74	5:12	3 72	9.8	42 6	9:0		
February	34 8	41.8	27:7	41.5	23.7	63	-10	6:07	16:65	5.78	6:80	11.8	27:0	7:		
Winter	35-2	41.5	29:0			64	-10	24:80		22:54	21:58	30-3		27		
March	37.6	44.8	30:3	44:3	33 1	63	11	5:06	8:16	4-97	1:48	5:3	19:1	5		
April	41.6	49:9	33 4	46:3	38-6	73	18	4.85	14:31	6:47	14:31	3.0	21:4	51		
May	48:3	56:5	10.0	51:3	45.9	79	27	5:14	9 84	4.86	8 07		0.6	Ď.		
Spring	42.5	50:4	34-6			79	11	15:05		16 30	23 86	8-3		15		
June	52.8	60.5	45:1	56:3	50 1	88	34	4:26	7:50	4:58	4 43			4		
July	56.0	63.3	48.8	59:6	53:4	88	36	4:42	9:41	2:72	8:52			4		
August	56.7	63.8	49.5	60.2	54:0	80	31	6.93	14 11	4:51	9-08			6		
Summer	55.2	62.5	47.8			98	31	15 61		18:11	22 43			15		
September	52.2	59.1	45.2	55.7	48.9	74	30	9:03	14 63	1:38	9 62			9		
October	47:1	53:5	40.7	49.6	43:9	65	28	12:21	16:99	5:11	16:99			12		
November	39:7	45.6	33 7	47 0	28.2	65	6	11:47	23:90	4:32	23 90	1.6	4:5	11		
Fall	46:3	52-7	39-9			74	6	32:71		10.81	50:51	1.6		32		
Year	44.8	51.8	37 8			88	- 10	88:17		61 46	11838	40.2		92		
Snowfall in wet or dry ye	ear									20 9	86:7					
Total precipitation in we																

9°58 8°46 4°26 22°30

 $\label{eq:River's Inlet} \text{River's Inlet} \; \left\{ \begin{aligned} &\text{Lat. N. 51^o 39'} \\ &\text{Long. W. 127^o 19'} \\ &\text{Height above sea-level} - 120 \text{ feet.} \end{aligned} \right.$

MONTHLY, SEASONAL AND ANNUAL MEANS AND EXTREMES.

From January 1895 to December 1906.

Month.	Temperature.								Precipitation in Inches.								
									Ra	Snow.							
	Mean.	Mean Maximum.	Mean Minimum.	Highest Monthly Mean.	Lowest Monthly Mean.	Extreme Highest,	Extreme Lowest.	Average Monthly Fall.	Greatest Amount in One Month.	Rainfall in Driest Year.	Rainfall in Wettest Year.	Average Monthly Fall.	Greatest Amount in One Month.	Total.			
										1897	1906						
December	37:5	41:0	34.0	41.6	33:3	.55	19	15.63	20:58	10.89	19:56	8-3	36:5	16:4			
January	34.9	38:6	81.1	38.5	30:4	59	11	11:08	17:05	8:60	14:17	11.8	42.8	12-2			
February	36.3	41 2	31.3	40.7	30.1	55	13	9.15	16:30	7.78	3:56	14:1	44.6	10:5			
Winter	36:2	40.3	32.1			59.	11	35-86		27 27	37 - 29	34.2		39-2			
March	38:9	45.6	32-3	41:1	35:3	67	15	5:80	11:13	6 23	5.70	15:3	63 8	7:3			
April	44:3	52:1	36.5	46-1	40.3	75	27	8:05	14:48	10 09	7.55	4:3	20.5	8:4			
day	49.8	57 8	41.7	52.0	47:9	84	28	4:94	9 73	5:11	1.89	1.0	12.0	51			
Spring	44-3	51.8	36.8			84	15	18:79		21 43	15:14	20-6		20 8			
June	58.8	61:8	45.7	56.2	52.0	90	37	4:35	8-77	3 : 39	5.09			4:3			
July	58 2	65:6	50:7	61.8	55.3	91	41.	3:41	6:60	5:02	2-19			3.4			
August	J8:4	65:7	51:1	60.9	56:9	86	41	4.80	9 18	5:99	4.85			4.8			
Summer	5815	64:4	49-2		*****	91	37	12:56		14:40	12 13	11111		12:5			
September	53.3	59:7	46 8	55:5	49.8	77	35	10.51	23 00	6:37	23:00			10:2			
Detober	48 0	52:9	43.2	52.0	43.9	71	27	12.99	26:85	14:16	26.85	S	0.4	12:5			
November	39.6	43.3	35.9	46.6	31:2	65	18	15 67	21:36	7:11	13:54	6:9	27.8	16:3			
Fall	47:0	52.0	42.0			77	18	39 17		27:46	63 39	6.9		391			
Year	46.5	52.1	40.0			91	11	106:38		90:74	127 :95	61 - 7		112-7			