

Rain fell on 8 days when the wind was South, 4—S.W., 3—W., 5—N.W., 8—N.E., 43—E., 26—S.E. and 38 when calm.

The greatest fall of rain in 24 hours measured 2.260 inches, and was on the 20th March. The average fall for every day of the year was 0.130 inches, and for each wet day it was 0.352.

The amount of Ozone this year was very small, its mean daily number would be represented by 3 on the scale, and it seldom exceeded 6. During the greater part of October, November, and December, there was little indication of its presence. In November and the early part of December there were heavy fogs, during which there was no Ozone.

Comparison of mean results for three Years.

Years.	Rain,		Mean Temperature.		Min. on Grass	Humidity		Mean height of Barometer.	
	INCHES.	DAYS.	9.30. A.M.	3.30. P.M.		9.30. A.M.	3.30. P.M.	9.30. A.M.	3.30. P.M.
1860	54.420	151	49.9	54.0	15.6	.847	.766	29.042	29.919
1861	60.485	104	48.8	52.2	10.0	.764	.854	29.943	29.889
1862	47.406	135	46.8	51.2	15.0 below z.	.842	.772	29.983	29.968
Means.	54.124	150	48.5	52.5		.818	.797	29.956	29.924

Rain was more equally distributed throughout all the months this year than in 1860 or 1861.

In the winter months, January to March, and October to December, 31.682 inches of rain fell in 1862, 41.230 in 1861, and 40.586 inches in 1860. In the remaining months 15.785 inches fell in 1862, 19.255 in 1861 and 13.834 in 1860.

The prevailing direction of the wind during rain in each year was E. and S.E. The absolute limiting nights of frost in the three years were nearly the same.

The Fraser River at New Westminster,

Year.	Highest level.	lowest level	Diff. of level	Remarks.
1860	12th June	4th March	10.5 Feet	From 22nd May to 12 Aug. ships did not swing to the flood tide.
1861	8th June	17th March	9.5 Feet	" 19th May to 10th Aug. Do. do.
1862	14th June	19th April	10.5 Feet	" 1st May to 2nd September, Do. do.

Ice appeared on the 1st of January 1862, and the river at New Westminster was unnavigable on the 4th, it was completely frozen over on the 9th, and the Ice attained a thickness of 13 inches in the channel opposite the R. E. Camp, on the 12th of February. Sleighs were running from Langley, to several miles below New Westminster, and persons walked from Hope to the latter place, a distance of 80 miles on the ice, at the end of January. Lake Harrison and the other Lakes were frozen. Navigation from New Westminster was open to the mouth of the river on the 11th of March, and from Yale on the 12th April. Again on the 5th December, there was Ice in the River at New Westminster for one day. In January, 1861 there was ice at New Westminster, but the Navigation to the mouth of the River was not impeded. In 1860 there was no Ice.

The Observations were taken by 2nd Corporal P. J. LEECH, and Lance Corporal J. CONROY, R. E.

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