

Station Name: Balmoral Raws (BML)

Period: 1994-11-06 - 2021-07-01

Length of record: 26 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	21.9	22	19.5	15.9	12.8	9.2	8.8	10.9	13.7	15.7	17.7	20.5	15.7	19
median	22.1	22.3	19.6	15.9	12.4	8.7	8.4	10.6	14	16	17.9	20.7	15.6	19.1
max	35.2	36.3	33	27.6	24.9	22.1	20.4	21.4	25.5	27.5	32.1	31.9	36.3	36.3
min	7.5	8	6.8	3.4	3.2	-0.9	-0.7	0.6	0.2	0	3	5.5	-0.9	0
Relative Humidity, %														
mean	49.4	49.6	52.9	59.7	64	70.8	68.1	61.9	54.7	53.9	51.3	49.2	57.1	52.3
median	47	47	51	57.4	63	72	68	59	51	50	48	46.5	54.5	49
max	100	100	95.5	99.6	100	100	100	100	100	100	100	99.9	100	100
min	8	12	12	17	20	24	29	13	14	13	15	13	8	8
Wind Speed, km/h														
mean	12.9	11.7	10.6	9.1	8.1	6.9	7	8.7	11.4	13.4	14.2	13.3	10.6	12.2
median	10.8	9.7	8.8	7	5.7	4.9	5	6.3	9	10.6	11.5	11.2	8.4	9.9
max	45	44.7	39.6	41.8	41.5	43.2	37.9	48.6	47.4	55.4	47.2	54	55.4	55.4
min	0	0	0	0	0	0	0	0	0	0.4	0	0	0	0
24-hr Rainfall, millimeters														
mean	1.4	1.4	1.4	1.8	1.7	2.1	1.7	1.8	1.5	1.9	1.5	1.4	1.6	1.5
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	56	78.6	55.6	38	71.8	44	58.4	118.6	55.8	29.8	43.2	50.4	118.6	78.6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	43.8	41.7	44.3	54.2	49.6	63.9	53.2	55.7	44.3	58.5	44.5	45.3	49.9	47.5
max	156	143.4	141	124.8	162.4	159.8	124.6	186	142.8	123.2	107.8	107.2	186	156
min	5.8	7.6	9.8	9.6	4.4	16.2	14.8	11.2	6.6	21.4	5.2	1.6	1.6	1.6
Seasonal Rainfall, millimetres														
mean													599.2	330.4
max													909.6	515.4
min													314.4	151.2
Fine Fuel Moisture Code, FFMC														
mean	81.7	82.5	79.8	74.2	70.9	62.6	65.3	70.7	76	75.3	79.1	81.6	75	79.2
median	87.9	88.1	86.6	82.9	80.4	71.9	74.5	79.7	84	83.7	86.3	87.3	83.6	86.3
max	98.1	96.8	95.6	94.7	93	89.5	89.9	90.7	95	94.9	95	96	98.1	98.1
min	1.5	5.3	11.1	5.2	3	1.3	2.9	5	0	0.7	2	5.8	0	0.7
Duff Moisture Code, DMC														
mean	45.6	51.9	41.3	25.7	17.1	6.8	4.3	7.4	15.8	17	28.9	42.2	25.4	36.1
median	36.8	45.8	35	19.8	11.8	4.6	3.7	6.7	14.2	15.3	25.8	35	17	28.5
max	140	160.3	142.4	103.6	100.3	43.9	14.7	25.6	55.6	62.8	90.4	120.7	160.3	160.3
min	1.2	4.6	0	0	0	0	0	0	0.5	0.4	0.1	1.8	0	0
Drought Code, DC														
mean	393.4	487.4	495.2	453.9	386.7	268.9	192.6	142.1	135.2	139.6	193.4	294.2	299.4	350.8
median	405.1	483.8	485.7	432.2	345.5	237.7	171.8	114.1	107	108.7	178	290.6	270.9	337
max	771.1	891.1	929.6	931.7	898.7	726.8	541.5	436.8	412.5	476.7	571.7	653.7	931.7	931.7
min	79.8	114	112.9	105.8	55.8	0	0	0.6	0.6	2.2	18.4	62.3	0	2.2
Initial Spread Index, ISI														
mean	7.2	6.7	5.2	3.4	2.6	1.6	1.6	2.5	4.1	4.8	6.2	7.1	4.4	5.8
median	5.4	5.3	4	2.4	1.7	0.9	1	1.5	3	3.2	4.4	5.2	2.7	4.2
max	72.2	47.5	31.8	40.4	35.3	22.3	19.8	35.3	32.9	44.5	39.2	66.1	72.2	72.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	68.3	80	66.4	43.7	29.9	12.5	7.6	11.8	22	23.9	39.3	58.7	38.7	54.3
median	58.9	73.1	59.6	34.7	21.6	8.7	6.4	10.4	20.3	20.7	36.4	53.4	27	45
max	185.2	212.3	202	162.1	156.8	69.5	24.9	43.8	58	94.5	102.7	138.8	212.3	212.3
min	2.4	8.7	0	0	0	0	0	0	0.5	0.6	0.2	3.3	0	0
Fire Weather Index, FWI														
mean	18.7	19.3	14.6	8.4	5.3	2.1	1.5	3	6.6	7.9	12.6	17.4	9.8	14.1
median	16	16.8	12.9	5.3	2.8	0.5	0.5	1	5.1	5.3	10.4	15.7	5.3	10.9
max	83.8	96.6	62.9	78.7	50.8	32.8	18.4	32.3	45.7	59.2	61	82	96.6	96.6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	7	7.2	4.6	2.2	1.1	0.3	0.1	0.4	1.3	1.9	3.7	6.3	3	4.7
median	3.7	4	2.5	0.5	0.2	0	0	0	0.5	0.5	1.7	3.6	0.5	1.9
max	69	88.8	41.5	61.8	28.4	13.1	4.7	12.8	23.6	37.3	39.3	66.4	88.8	88.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	222.4	208	143.3	61.7	32	9.6	4	12	39	57.9	112.9	188.4	90.9	142.1
max	508.3	556.3	406.7	329.2	106.4	55.6	13.4	31.8	111.5	219	325.8	439.4	556.3	556.3
min	42.8	37.7	16.7	3.8	0.5	0.1	0.2	0.9	12.9	12.6	19.7	8.8	0.1	3.8
Cumulative Daily Severity Rating, CDSR														
mean													1091.1	988.1
max													2165.8	2229.9
min													351	279.8

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	6	5.2	7.7	14.2	19.5	25.9	29.5	24.6	15.1	14.9	8.9	7.3	178.8	63.7
max	16	13	22	29	31	30	31	31	27	25	22	25	249	115
min	0	0	0	2	2	15	23	14	2	4	1	0	111	24
Moderate														
mean	8.8	7.7	11.4	10.8	9.2	3.7	1.5	6.2	12.5	11.9	12.1	8.6	104.5	72
max	17	17	21	19	23	13	8	17	22	20	23	14	144	92
min	1	2	4	1	0	0	0	0	3	6	7	2	86	51
High														
mean	7.2	6.8	6.4	3	1.7	0.3	0	0.2	2	3	5.1	7.3	43.1	39.2
max	12	14	15	11	7	3	0	2	6	8	12	14	62	54
min	2	2	0	0	0	0	0	0	0	0	0	0	16	14
Very High														
mean	3.1	3	2.1	1.1	0.4	0.1	0	0	0.3	0.8	1.8	3.4	16.2	15.1
max	7	6	6	6	3	2	0	0	3	6	6	10	33	29
min	0	0	0	0	0	0	0	0	0	0	0	0	4	1
Extreme														
mean	3.7	3.5	2.4	0.6	0.1	0	0	0	0.1	0.3	1.7	2.8	15.2	14.9
max	9	10	7	4	1	0	0	0	2	4	9	9	39	34
min	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Very Extreme														
mean	2.2	2	1	0.3	0	0	0	0	0	0	0.4	1.6	7.6	7.4
max	10	12	8	4	1	0	0	0	0	1	2	8	31	32
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source Canterbury (Foothills (N of Rakaia))														
Curing%	80	90	90	70	55	25	15	25	35	40	65	75		
Low														
mean	2.5	1.8	3	5.5	7.8	15.5	18.7	10.9	5.8	5.9	3.5	2.6	83.5	24.6
max	9	8	10	16	19	27	27	24	11	13	11	8	131	49
min	0	0	0	0	0	7	9	3	1	2	0	0	50	6
Moderate														
mean	8.9	7.4	9.7	19	20.4	14.1	12.2	19.5	20.8	19.2	16.2	11.5	179	92
max	14	19	20	25	29	23	22	28	28	25	25	19	209	121
min	2	2	4	12	10	2	4	7	15	14	10	3	158	71
High														
mean	11.9	11	12.7	4.7	2.6	0.3	0	0.6	3.3	5.5	8.2	11.3	72.2	65.9
max	21	18	19	13	7	2	1	2	7	11	15	19	103	90
min	5	5	5	0	0	0	0	0	1	0	3	4	50	43
Very High														
mean	4.5	4.6	3.2	0.7	0.2	0	0	0	0.1	0.5	1.8	4	19.6	19.1
max	11	9	6	4	2	0	0	0	1	2	7	10	30	43
min	1	0	0	0	0	0	0	0	0	0	0	0	6	11
Extreme														
mean	3.1	3.2	2.3	0.1	0	0	0	0	0	0	0.2	1.6	10.5	10.2
max	8	10	8	1	1	0	0	0	0	0	2	7	26	26
min	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Very Extreme														
mean	0.1	0.3	0.1	0	0	0	0	0	0	0	0	0	0.4	0.4
max	1	2	1	0	0	0	0	0	0	0	0	0	2	2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scrub Fire Danger Class (SFDC) Frequency														
Low														
mean	3.5	2.7	3.8	6.2	7.3	10.5	9.7	7.4	5.1	5.6	3.9	3.3	68.8	28.5
max	10	9	11	17	20	20	16	23	10	13	12	10	114	53
min	0	0	0	0	0	3	3	1	1	2	0	0	36	9
Moderate														
mean	0	0	0	0	0	0	0	0.1	0	0	0	0	0.2	0.1
max	1	0	0	0	0	1	1	1	0	0	0	1	2	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	1.8	2	3	4.1	6.4	7.7	8.6	6.3	3.5	3.5	2.8	2.6	52.2	19.6
max	5	7	8	8	17	14	14	11	8	6	6	8	67	36
min	0	0	0	0	0	1	3	1	1	0	0	0	27	10
Very High														
mean	2	2	2.1	3.8	4.1	5.6	5	4.3	3.1	3	2.3	1.3	38.7	16.5
max	6	6	8	10	10	12	13	10	8	6	7	3	62	24
min	0	0	0	1	0	1	2	1	0	0	0	0	27	8
Extreme														
mean	4.7	4.5	7.8	7.8	7.5	3.5	5.3	7.6	7	6.1	5.9	5.9	73.6	43.4
max	8	14	13	16	15	10	12	14	16	12	12	12	96	56
min	0	0	2	3	0	0	0	3	1	3	1	2	53	29

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Very Extreme														
mean	19	17	14.3	8.1	5.7	2.8	2.3	5.3	11.3	12.8	15.1	17.8	131.7	104.2
max	28	26	23	24	16	10	8	13	21	22	26	28	176	148
min	9	6	3	2	0	0	0	0	6	3	6	5	84	71