

Station Name: Mount Somers Raws (MTS)

Period: 1998-06-16 - 2021-07-02

Length of record: 23 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	17.9	17.6	16.3	13.6	11.3	8.5	8.1	9.1	11.5	12.8	14.7	16.7	13.1	15.6
median	17.7	17.8	16.1	13.4	11.1	8.3	7.8	8.9	11.3	12.9	14.6	16.8	12.8	15.5
max	32.6	30.7	29.8	24.2	21.4	18.2	18.5	19.1	37	24.1	28.1	29.3	37	32.6
min	6.2	6.8	4.9	4	1.4	-0.8	-1.5	-1.9	0.8	1.7	0.2	3.7	-1.9	0.2
Relative Humidity, %														
mean	65.8	67.7	67.2	66.4	64.4	63.9	61.4	62.3	59.4	62.7	63.9	66	64.2	65.6
median	68	69.5	69	66	63	62	59	61	57	63	65	69	64	67
max	100	100	100	100	100	100	100	100	100	100	100	100	100	100
min	14	18	16	18	15	21	16	14	15	15	17	19	14	14
Wind Speed, km/h														
mean	15.7	13.5	13.5	12.7	13.6	13	13.2	13.4	17.2	17.8	17.2	15.8	14.7	15.2
median	12	11.2	10.4	9.7	9.4	9.7	10	9.5	11.8	12.9	13.3	12.6	11.3	11.9
max	77.5	52.2	79.2	83.8	102.3	85.9	92.1	69.9	77.7	97.6	65.4	83.6	102.3	97.6
min	0	0	0	0	0	0	0	0	0	1	0	0	0	0
24-hr Rainfall, millimeters														
mean	3.6	3.9	3.4	3.5	3.4	2.8	2.8	2.7	2.5	3.7	3.4	3.6	3.3	3.6
median	0.2	0	0	0	0	0	0	0	0	0.2	0	0.2	0	0
max	61.7	111.2	58.4	65.3	206.8	59.6	77.5	97.3	66	55.6	77.4	73	206.8	111.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	109.8	110.7	107.7	106.8	94	84.2	86	83.2	78.5	113.4	103.5	114.7	99.4	109.5
max	290.4	311.4	196.8	259	251.6	213.6	243.8	204.6	205.7	193.4	249.4	236.6	311.4	311.4
min	30.8	51.8	40.4	31.5	19.2	17.8	21.8	21.2	7.2	9.8	21	30.4	7.2	9.8
Seasonal Rainfall, millimetres														
mean													1192.3	757.2
max													1607.4	1019.2
min													803.8	406.9
Fine Fuel Moisture Code, FFMC														
mean	66.2	65.5	64.1	62.4	64.1	63.4	66.4	65.4	68.4	64.6	66	65	65.1	64.8
median	75.1	75.2	74.1	72.5	75	72.7	76.4	75.3	77.5	72.9	76.2	74.4	74.7	74.3
max	96	94.4	94.1	91.7	92.8	90.8	91.2	93.3	95.4	94.2	94.1	93.8	96	96
min	0	2.3	0.6	1.1	0	0.1	0.1	0.6	0.6	1.3	0.8	1.8	0	0
Duff Moisture Code, DMC														
mean	12.2	10.3	8.5	6.7	4.9	3.7	3.8	5	7.9	7.5	11	9.7	7.6	9.4
median	9.8	9.1	7.4	5.3	3.6	2.6	2.8	4	6.4	5.5	7.9	7.6	5.6	7.3
max	49.2	42.5	29.5	35.5	20.2	21.5	16.7	20.4	38.6	42.3	63.8	46.1	63.8	63.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Drought Code, DC														
mean	119	135.6	115.2	91.1	54.2	33.3	17.4	11.3	16.8	20.5	51.6	87	62.3	88.1
median	105.9	129.9	111.8	69.7	20.6	12	9.2	8	11.6	16	42.7	75.7	32.3	69.8
max	353.9	366.2	354.2	385.5	325.2	210.4	98.5	44.6	69.1	114.6	238.4	267.7	385.5	385.5
min	5.3	4.5	3	1.4	0	0	0	0	0	1.3	2.4	4.1	0	1.3
Initial Spread Index, ISI														
mean	5.4	3.7	3.7	3	3.2	2.7	3.2	3.3	5.3	4.9	5.1	4.5	4	4.3
median	1.6	1.4	1.3	1.3	1.4	1.2	1.5	1.4	2	1.5	1.8	1.4	1.4	1.4
max	64.4	43.4	46.1	62.6	46.8	35.4	38.1	47.2	60	87.8	69.2	55.7	87.8	87.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	18.4	16.5	13.4	10.3	6.8	4.8	4.2	5.1	8	8	13.8	14.4	10.2	13.5
median	15	15.1	11.7	8	4.9	3.4	3.2	4	6.4	6.2	10.2	11.5	7.3	10.6
max	64.4	57.6	43.6	57.7	28.3	29.2	19	20.3	38.3	44	74.4	59.5	74.4	74.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Weather Index, FWI														
mean	7.1	5.1	4.5	3.4	2.8	2	2.3	2.6	4.9	4.4	5.9	5.7	4.2	5.2
median	1.9	1.1	0.9	0.7	0.6	0.4	0.6	0.6	1	0.7	1.4	0.9	0.8	0.9
max	67.8	53.2	53.7	43.4	33.9	27.3	26.4	30.9	46.4	63.2	66.9	65.7	67.8	67.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	2.3	1.2	1	0.7	0.5	0.3	0.3	0.4	1.1	1.1	1.6	1.7	1	1.4
median	0.1	0	0	0	0	0	0	0	0	0	0.1	0	0	0
max	47.4	30.8	31.4	21.6	13.9	9.5	9	11.8	24.2	41.9	46.3	44.8	47.4	47.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	71.9	34.5	31.8	19.7	14.5	9.4	10.4	12.7	32.5	34.1	50.3	51.5	31.1	42
max	326.5	70.6	79.7	112.1	61.9	34.6	28.9	38.6	135.7	212	164.7	199.1	326.5	326.5
min	3.9	1.7	3.3	1.3	0.1	0.4	0.2	1.1	1.9	2.4	3.5	2	0.1	1.3
Cumulative Daily Severity Rating, CDSR														
mean													373.2	292.6
max													801.2	729.9
min													125.4	104.7

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Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	19.4	19.7	23	24.5	27.4	27.9	29.4	28.4	23.9	24.7	20.9	22	291.2	154.4
max	30	29	29	30	31	30	31	31	30	31	29	31	336	186
min	9	12	13	8	12	19	25	16	5	6	4	14	227	116
Moderate														
mean	8.4	6.6	6.6	4.8	3.5	2	1.6	2.5	5.5	5.8	7.3	6.6	61.2	46
max	18	13	15	16	18	8	6	14	17	18	20	10	105	72
min	1	0	1	0	0	0	0	0	0	0	1	0	28	25
High														
mean	1.7	1.5	1.2	0.4	0.2	0.1	0	0	0.5	0.4	1.1	1.5	8.6	7.7
max	6	4	5	2	1	3	0	1	5	3	5	5	19	18
min	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Very High														
mean	0.8	0.2	0.1	0.3	0	0	0	0	0.1	0.1	0.4	0.2	2.2	2.3
max	3	1	1	4	0	0	0	0	2	3	4	1	8	8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0.6	0.2	0	0	0	0	0	0	0	0	0.2	0.7	2	1.8
max	7	2	1	1	0	0	0	0	1	1	3	6	8	9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	0	0	0	0	0	0	0	0	0	0	0.1	0	0.1	0.1
max	1	0	0	0	0	0	0	0	0	0	2	0	2	2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source <small>Wairarapa (Foothills (S of Rakaia))</small>														
Curing%	60	80	80	55	40	15	15	15	25	25	40	50		
Low														
mean	9.9	7.8	9.2	10.9	10.6	15.2	14.6	14.7	10.4	11.7	9	10.5	134.6	69.2
max	20	16	20	19	20	22	23	24	17	20	20	18	172	105
min	3	4	2	3	0	7	7	5	4	1	0	4	103	44
Moderate														
mean	16.2	13.5	14.2	16.1	17.3	13.9	15.3	15.3	15.4	15.6	15.7	15.3	183.9	106.8
max	23	19	20	25	24	21	23	24	23	22	22	21	222	126
min	8	8	8	11	10	8	7	7	9	8	9	10	157	83
High														
mean	2.9	4.1	4.6	2	2.6	1	1	1	4	3.1	3.7	3	33	23.3
max	5	10	11	7	8	4	3	4	10	8	9	6	45	36
min	1	0	1	0	0	0	0	0	0	0	1	0	18	14
Very High														
mean	1.8	1.4	1.2	0.8	0.5	0	0	0	0.2	0.5	1.4	1.8	9.5	8.8
max	8	3	4	5	2	0	0	0	2	5	4	6	19	18
min	0	0	0	0	0	0	0	0	0	0	0	0	3	3
Extreme														
mean	0.2	1.5	1.6	0.2	0	0	0	0	0	0	0.2	0.4	4	3.9
max	2	5	6	1	0	0	0	0	0	0	1	3	12	11
min	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Very Extreme														
mean	0	0	0.1	0	0	0	0	0	0	0	0	0	0.2	0.2
max	0	1	2	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	10	9.1	11	11.3	10.5	10.4	9.8	10.2	8.8	10.5	9.5	11.5	122.6	73
max	19	19	21	19	20	18	18	20	14	17	19	21	151	102
min	3	5	2	4	0	2	3	5	2	1	1	4	95	48
Moderate														
mean	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.1
max	0	1	0	1	1	1	0	1	0	0	0	0	2	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	3.8	4	4.2	3.7	4.3	4.7	5	4.3	3.5	3.8	3.1	3.3	47.6	26
max	8	8	8	8	10	9	10	8	10	7	7	9	60	39
min	0	0	1	0	0	0	3	0	0	0	1	0	29	18
Very High														
mean	3	3.6	4.1	4.1	4	4.2	3.1	3.5	3.2	3.1	3.3	3.3	42.5	24.4
max	7	7	7	9	6	11	7	9	8	6	7	6	56	31
min	1	1	1	1	1	1	0	0	0	1	0	1	33	16
Extreme														
mean	4.4	4.8	4.5	5.4	5.6	5.9	7	6.3	5.5	5.3	5.6	4.9	65	34.8
max	9	8	10	13	10	14	14	13	12	12	16	11	86	53
min	1	1	0	1	0	2	2	2	1	0	0	1	50	20

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Very Extreme														
mean	9.8	6.8	7.2	5.4	6.5	4.9	6.2	6.7	9	8.3	8.5	8.1	87.3	53.9
max	18	13	15	19	21	10	15	15	18	16	17	14	121	81
min	2	1	2	1	0	1	0	2	3	3	2	1	57	34