

Station Name: Macrae's Raws (MCR)

Period: 2007-01-01 - 2021-07-01

Length of record: 14 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	16.2	16.1	15.1	11.9	9.1	6.5	5.8	7.2	9.1	11	13.3	15	11.4	14.1
median	16	16	15.3	11.9	9.1	6.2	5.5	7.2	9.3	10.8	12.9	15.1	11	13.9
max	30.4	30.2	25	22	20.5	15.6	15.2	16.6	19.9	23.1	27.4	26.5	30.4	30.4
min	4.6	4.7	1.9	1.9	-1.7	-1.9	-1.6	-3	-2.2	0	1.8	4.1	-3	0
Relative Humidity, %														
mean	61.1	62.7	61.9	64.8	68.2	72	69.4	68.1	61.4	59	59	62.5	64.2	61.6
median	60	62	62	64	67	72.5	68	67	59.5	58	57	61	63	61
max	100	100	100	100	100	100	100	100	100	100	100	100	100	100
min	11	15	15	18	14	21	14	19	12	13	18	22	11	11
Wind Speed, km/h														
mean	25	20.9	21.3	21.5	21.4	20.4	21.3	19.9	24.4	26.3	25.2	24.1	22.6	23.5
median	22	18.4	18.3	18.4	17.3	16.5	17.6	17.1	20.4	23	22.3	21.6	19.4	20.5
max	94.8	65.5	74.4	72.7	80.6	74	89.7	85.3	122.3	96.5	72.4	76.8	122.3	96.5
min	2.9	2.7	2.2	1.1	2.4	1.5	0	0	1.8	2.9	1.8	4.3	0	1.1
24-hr Rainfall, millimeters														
mean	2.3	2.2	1.7	1.8	2.4	1.7	1.7	1.2	1.3	2	1.9	2.2	1.9	2
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	62.8	56.6	28.9	51.7	91.2	82.3	69	29.2	24.4	56.2	51	53.6	91.2	62.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	62.9	64.9	53	56.6	73.1	50.6	51.6	37.6	39.9	63	58.2	66.8	56.5	60.8
max	131.2	200.2	87.8	153.2	255.7	193.7	136.6	94.1	70.7	131	222	144.1	255.7	222
min	15.6	15	18	12.9	4.8	15.1	8.2	15.9	13	26.1	3	16.9	3	3
Seasonal Rainfall, millimetres														
mean													678.2	435.5
max													936	592.8
min													487.2	233.3
Fine Fuel Moisture Code, FFMC														
mean	75	74.7	74.7	71.5	65.7	64.8	68.4	67.7	72.2	72.5	73.4	73	71.1	73.6
median	82.1	82.4	82	80.7	76.8	74.3	77.8	78.7	80.1	80.6	82.5	80.2	79.9	81.5
max	96.3	94.8	94.3	92.6	91.2	90.5	92.6	92.2	94.3	93.1	93.9	92.9	96.3	96.3
min	2.4	0.6	1	1	1.2	2.7	0	0.8	5.7	2.9	0.2	5	0	0.2
Duff Moisture Code, DMC														
mean	16.7	16.9	19.1	13.6	7.8	4.9	3.8	5.4	9.3	9.8	16	19.1	11.9	15.9
median	13.3	14.9	15.1	12.7	5.6	2.9	3.4	4.9	8.3	8.1	12.7	15.6	8.7	12.9
max	57.6	49.1	62.9	48.1	28.9	29.4	13.3	16.5	40.8	33.8	65.4	79	79	79
min	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0
Drought Code, DC														
mean	221.1	261	278	285.7	222.7	144	107.2	65	65.5	68.2	107.1	184.7	169.3	202.5
median	209.5	242.4	276.5	306.1	235.1	114.6	79.6	38.2	38.3	47.1	95.8	184.2	146.4	193.7
max	447.7	513.1	594.8	606.8	487.7	500	405.5	353.7	324.5	331.4	312.1	356.2	606.8	606.8
min	6.8	61.1	52.3	8.2	0.2	0	0	0	0	1.7	3.1	4.4	0	1.7
Initial Spread Index, ISI														
mean	7.9	5.9	6.2	5.1	4.1	3.1	3.7	3.8	6.3	6.6	8.1	6.3	5.6	6.6
median	4.2	3.6	3.2	3.1	2.3	1.7	2.3	2.2	3.5	4	4.3	3.6	3	3.7
max	72.1	49.5	61.6	44.1	46.1	30.7	29.6	38.9	78.5	63.8	69.5	56.3	78.5	72.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	27.1	28	31.4	23.7	14	8.5	5.8	7.5	11.8	12.6	21.6	28.4	18.4	24.8
median	22.5	26.3	26.8	22.4	10.3	4.8	4.7	6.2	10.3	11.4	18.6	25.4	13.6	21
max	82.8	73.9	92.7	78.4	49.6	51.2	22.9	29.6	40.7	33.7	71.8	90.4	92.7	92.7
min	0	0	0.6	0	0	0	0	0	0	0	0	0	0	0
Fire Weather Index, FWI														
mean	12.1	10	11	8	5.2	3.1	3	3.5	6.6	7.2	11.2	10.3	7.6	10
median	7.6	7.3	5.8	5.3	2.7	0.8	1.2	1.4	3.6	4.5	7.4	6.6	4	6.4
max	85.6	61.1	72.7	54.2	51.4	40.7	27.2	37	47.9	55.5	79.2	61	85.6	85.6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	4.1	2.7	3.6	2	1.1	0.5	0.4	0.6	1.5	1.6	3.5	3	2.1	3
median	1	0.9	0.6	0.5	0.2	0	0	0	0.3	0.4	0.9	0.8	0.3	0.7
max	71.7	39.4	53.6	31.9	29.1	19.2	9.4	16.3	25.6	33.2	62.4	39.4	71.7	71.7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	132.4	77.4	110.9	56	34.4	16.8	12.7	17.9	44.9	50.5	106.1	92.9	62.7	89.4
max	356.5	182.3	439.9	172.8	166.6	63.4	28.8	51.9	129.9	175.9	274.7	180.3	439.9	439.9
min	31.5	15.6	10.5	7.5	1	2.1	1.4	1	3.5	8.9	3.8	15.6	1	3.8
Cumulative Daily Severity Rating, CDSR														
mean													752.7	629.3
max													1185	1291.4
min													405.1	279

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Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	11.8	10.8	14.7	15.1	21.2	25.2	27.9	25.7	19.9	18.4	12.6	12.2	215.6	94.5
max	26	22	29	27	31	30	31	31	29	29	29	25	279	134
min	1	4	1	3	2	14	19	17	7	5	0	5	153	64
Moderate														
mean	11.9	12.2	9.6	11.2	8	4.1	3.1	5.1	8.4	11.1	12.1	12.6	109.5	81.9
max	22	19	16	18	27	11	12	12	18	18	25	18	164	105
min	4	5	2	3	0	0	0	0	1	2	1	6	71	59
High														
mean	4.1	3.4	3	2.6	1.4	0.6	0	0.2	1.5	1.3	3.1	4.1	25.3	21.5
max	9	10	9	8	9	4	0	2	10	7	7	10	37	41
min	0	0	0	0	0	0	0	0	0	0	0	0	10	6
Very High														
mean	1.2	1.3	1.6	0.5	0.4	0.1	0	0	0.1	0.1	1.2	1.3	7.9	7
max	4	5	5	2	3	1	0	0	1	1	5	3	14	14
min	0	0	0	0	0	0	0	0	0	0	0	0	1	2
Extreme														
mean	1.5	0.6	1.4	0.6	0	0	0	0	0	0	0.8	0.6	5.4	5.8
max	5	4	7	6	0	0	0	0	0	0	5	4	18	21
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	0.5	0	0.6	0	0	0	0	0	0	0	0.2	0.3	1.6	1.6
max	4	0	7	0	0	0	0	0	0	0	2	3	7	9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source Otago (Coastal Otago)														
Curing%	60	70	60	60	30	30	30	40	50	50	40	60		
Low														
mean	3.8	3.3	4.4	5.6	9.4	8.5	7.1	7.1	4.3	4.5	4.9	5.3	68.1	31.1
max	11	9	10	13	22	18	15	20	9	11	16	13	97	48
min	1	0	0	1	0	2	0	1	1	0	0	1	46	17
Moderate														
mean	18.6	14.9	19.7	19.4	19.1	19.3	21.1	20.8	17.5	17.4	15.7	18.8	222.1	125.1
max	22	21	23	26	29	28	26	26	24	26	26	24	250	146
min	13	9	15	15	9	11	15	10	9	9	10	15	197	102
High														
mean	6.3	7.1	5.2	4.5	2.1	2.2	2.8	2.4	6.1	6.6	6.9	5.4	57.6	42.1
max	11	15	9	9	8	4	8	6	11	12	18	10	71	57
min	3	2	1	1	0	0	0	0	0	1	1	0	36	32
Very High														
mean	2.1	1.7	1.6	0.6	0.4	0	0	0.6	1.7	2.3	2.3	1.5	14.9	12
max	6	5	7	2	4	0	0	3	3	8	7	4	23	21
min	0	0	0	0	0	0	0	0	0	0	0	0	7	6
Extreme														
mean	0.2	1.2	0.1	0	0	0	0	0	0.4	0.3	0.3	0.1	2.6	2
max	1	3	1	0	0	0	0	0	2	2	2	1	5	7
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	0	0	0
max	0	0	0	0	0	0	0	0	0	0	0	0	0	0
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scrub Fire Danger Class (SFDC) Frequency														
Low														
mean	4.8	4.6	5.4	6.4	9.5	9.1	6.9	8.1	6.9	6.9	5.9	6.4	80.9	40.1
max	10	11	10	15	21	17	15	20	10	16	18	15	113	61
min	1	0	1	2	0	3	0	2	3	2	0	2	53	22
Moderate														
mean	0	0	0	0	0	0	0	0.1	0	0	0	0	0.1	0
max	0	0	0	0	0	0	0	1	0	0	0	0	1	0
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	1.4	1.7	2.8	1.9	1.9	2.7	3.1	2.4	1.5	1.1	1.3	1.2	22.9	11.1
max	5	4	6	4	7	8	9	6	4	4	5	7	33	17
min	0	0	1	0	0	0	0	0	0	0	0	0	16	5
Very High														
mean	2.4	3	2.9	3.1	3.1	5.6	3.8	4.6	2.9	2.3	2.6	3.1	39.5	19.5
max	5	8	5	6	6	10	7	11	9	6	5	6	52	29
min	0	0	0	1	0	2	1	1	1	0	0	0	28	8
Extreme														
mean	6.9	6.2	7.7	7.9	6.6	5.4	8.7	6.9	5.6	6	5	5.9	78.8	45.6
max	11	10	10	15	15	9	12	13	10	12	8	9	90	58
min	1	3	4	1	0	2	4	3	1	2	2	3	61	27

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Very Extreme														
mean	15.6	12.8	12.1	10.8	9.9	7.2	8.5	8.9	13.1	14.8	15.1	14.3	143.1	96
max	21	19	21	20	20	12	15	17	21	24	27	19	163	128
min	7	5	3	5	1	3	1	2	5	6	3	9	116	74