

Station Name: Motukarara Raws (MTK)

Period: 1999-08-15 - 2021-07-01

Length of record: 21 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	19.5	19.3	18.1	15.7	13.3	10.1	9.7	11	12.6	14.1	16	17.9	14.8	17.2
median	19	18.8	17.5	15.3	12.7	9.8	9.3	10.7	12.1	13.5	15.2	17.4	14.4	16.7
max	35.9	33.6	29.8	28.6	25.7	24.1	19.7	21.1	24.3	26.8	30.9	32.5	35.9	35.9
min	7.7	8.3	9.3	5.4	4.5	0.2	-0.3	1.8	3.1	3.1	6.1	7.9	-0.3	3.1
Relative Humidity, %														
mean	58.4	59.5	60.9	65.1	68.3	72.5	71.8	69	62.4	61.3	59.1	59.9	64	60.6
median	59	61	62	64	68	72.5	72	68.3	62.7	62	60	61	64	61
max	100	100	100	100	100	100	100	100	100	100	100	100	100	100
min	13	13	15	14	23	26	26	27	16	16	17	14	13	13
Wind Speed, km/h														
mean	24.1	23.3	23.1	19.7	17.1	15.8	15.8	18	21.9	23.8	23.6	25.1	21	23.3
median	22.2	21.9	20.9	17.4	14	11.2	11.6	14.5	20.8	22.4	22.3	23.6	19.4	21.9
max	67.4	67	67.4	64.4	73.8	58.5	61.4	70.9	73.7	65.2	67.9	79.4	79.4	79.4
min	1.7	0	2.1	0	0	0	0	0	0.5	0	1.5	0	0	0
24-hr Rainfall, millimeters														
mean	1.5	1	1.4	1.9	1.9	2.2	1.6	1.7	1.5	1.8	1.4	1.4	1.6	1.5
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	44.7	46	56.6	58.4	45.8	78	42.9	55.6	70.6	70.8	40.2	33.5	78	70.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	47.5	28.8	43.8	57.8	57.9	64.7	50.9	53.4	45.2	54.8	42.4	45.6	49.4	45.8
max	122.6	105.2	168.4	114.2	128.2	180.8	123.2	161.6	110.6	200.4	85.6	121.8	200.4	200.4
min	5.6	3.6	1	5.8	10.6	8.3	7.2	17.4	16.4	9	0	2.9	0	0
Seasonal Rainfall, millimetres														
mean													592.7	316.1
max													1149.4	555.4
min													372.8	164
Fine Fuel Moisture Code, FFMC														
mean	79.6	81.5	79.3	71.5	68.3	64	65.6	68.8	75.1	76	78.9	79.1	74	78
median	85.1	85.2	84.5	82.3	78.9	73.3	74.7	77.7	81.7	82.3	84.2	84	82.1	84.1
max	96.1	96.1	94.1	94	92	90.1	89.4	91.2	93.1	94.1	94.6	96	96.1	96.1
min	0.6	0.6	3.5	0	3.8	1.5	0.9	5.8	1.7	3.3	2.2	12.3	0	0
Duff Moisture Code, DMC														
mean	34.8	42.3	38.7	27.8	14.6	5.4	4.4	6	11.1	15.4	23.5	30.9	21.2	30.4
median	29.3	38.1	26.3	16	8.1	3.7	3.3	4.9	10.5	12.1	20.5	26	13	23.3
max	106.3	116.3	153.1	148.2	107.3	40	21.5	30.3	31.7	55.6	71.7	142	153.1	153.1
min	0	2.1	1.6	0	0	0	0	0	0	0.5	0.8	0.7	0	0
Drought Code, DC														
mean	371.5	470.5	499.9	463	371.4	255.7	179.6	133.4	120.1	133	198.2	291.5	290.4	345.4
median	366.6	467.3	508.9	450.9	328.8	263.4	179.5	136.4	124.1	129.7	193	289.7	266.4	336
max	695.6	873.9	905	844.3	857.6	663.9	413.2	379.9	325	350.8	421.6	542.1	905	905
min	50.9	200.5	37.2	23.1	1.1	0.2	0.4	0.7	0.4	2.3	23.9	56.8	0.2	2.3
Initial Spread Index, ISI														
mean	10.2	8.5	7.8	5.7	4.3	3	3	3.6	5.9	6.5	7.7	8.8	6.3	7.9
median	6.4	6.3	5.5	3.5	2.1	1.3	1.3	2	3.6	4.5	5.1	6.1	3.7	5.2
max	70.1	46.7	66.8	61.9	45.1	36.4	23.9	42.1	46.6	77.4	56.3	74.7	77.4	77.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	54.4	66.9	61.9	45.6	25.5	10	7.7	10	16.2	22	34.5	46.5	33.4	47.2
median	48.5	62.2	46.5	28.9	14.9	7	5.8	8.1	16	18.2	31.7	42.3	21.5	38.4
max	146.4	168.6	213.4	205.1	159.1	67.8	37.5	50.5	44.9	79.7	85	157.8	213.4	213.4
min	0	4.1	3.1	0	0	0	0	0	0	0.9	1.5	1.4	0	0
Fire Weather Index, FWI														
mean	20.9	20.8	18.3	12.5	7.3	3.2	2.8	3.9	7.5	9.4	13.8	17.7	11.5	16.2
median	16.2	17.7	14.4	7.8	2.9	0.7	0.7	1.6	5	7	11.5	13.3	6.8	12.2
max	100.1	87.2	88.1	106.6	85.5	34.2	26.3	46.9	46	69.6	70.1	91	106.6	106.6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	9	8	7	4.5	2.2	0.6	0.4	0.7	1.6	2.4	4.2	6.6	3.9	5.9
median	3.7	4.4	3.1	1	0.2	0	0	0.1	0.5	0.8	2.1	2.7	0.8	2.3
max	94.4	74	75.3	105.6	71.4	14.1	8.9	24.7	23.9	49.7	50.2	79.8	105.6	105.6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	275	225	211.7	128.7	67.8	17.9	13.1	21.2	50	74.3	125.4	205.1	117.9	177.9
max	842.8	571.5	571.4	507.4	390.7	61.2	38.1	98.6	147.3	271.6	301	480.6	842.8	842.8
min	18.1	24.3	15	0	3.6	0.4	0.9	1.4	13.6	14.4	28.4	57	0	0
Cumulative Daily Severity Rating, CDSR														
mean													1415.1	1260.1
max													2934.4	2412.9
min													571	352.4

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Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	6	4	6.6	12.8	19	24.9	27	25.3	16.3	13.7	7.4	6.3	169.3	55.4
max	26	21	22	30	31	30	31	31	26	24	18	20	251	123
min	0	0	0	0	5	14	20	13	7	2	0	0	98	17
Moderate														
mean	9.9	8.4	11	9.5	8.6	4.5	3.8	5	11.3	12.7	13.7	11.5	109.8	77
max	19	16	20	22	18	14	10	13	20	20	21	22	149	102
min	2	1	2	0	0	0	0	0	4	7	5	3	72	48
High														
mean	5.6	7.3	5.4	3.4	1.6	0.6	0.2	0.5	2.1	3	5.2	5.4	40.6	35.8
max	12	15	11	11	6	4	3	4	7	13	10	8	68	50
min	1	1	0	0	0	0	0	0	0	0	0	2	22	14
Very High														
mean	2.9	3.2	2.4	1.2	0.6	0	0	0.1	0.1	1	1.7	3	16.4	15.9
max	9	9	6	7	4	1	0	1	2	7	5	10	32	31
min	0	0	0	0	0	0	0	0	0	0	0	0	5	4
Extreme														
mean	4.3	3	3.6	2	0.5	0	0	0	0.1	0.4	1.7	3.5	19.1	18.7
max	10	8	12	10	5	1	0	0	2	3	7	10	51	42
min	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Very Extreme														
mean	2.4	2.4	2	1	0.7	0	0	0	0	0	0.2	1.3	10	9.5
max	13	11	9	8	9	0	0	0	0	1	3	6	37	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 (Coastal)														
Curing%	60	60	60	50	40	30	10	10	20	30	40	50		
Low														
mean	2.7	1.5	2.4	6.1	8.9	10.7	18	13.9	5.4	3.3	2.1	2.3	77.3	20
max	12	8	6	29	18	22	28	19	13	7	7	6	136	66
min	0	0	0	0	0	0	4	7	0	0	0	0	52	7
Moderate														
mean	15.8	16.2	17.7	15.8	16.9	16.5	13	16.8	21.4	21.9	18.1	15	205	120.3
max	24	22	25	22	25	24	27	24	27	29	23	22	238	147
min	8	10	8	1	10	8	3	12	14	11	11	5	174	97
High														
mean	9.3	9.1	9.6	6.3	4.8	2.7	0	0.3	3.2	5.4	8.1	10.5	69.2	58.8
max	17	16	20	15	11	6	0	3	10	16	15	21	104	87
min	3	4	1	0	1	0	0	0	0	1	3	5	46	35
Very High														
mean	2.9	1.5	1.2	1.6	0.5	0.1	0	0	0	0.5	1.6	2.5	12.4	11.7
max	8	4	4	5	3	1	0	0	0	2	5	6	25	21
min	0	0	0	0	0	0	0	0	0	0	0	0	3	3
Extreme														
mean	0.4	0	0.1	0.2	0	0	0	0	0	0	0.1	0.6	1.4	1.4
max	2	0	1	1	0	0	0	0	0	0	1	3	4	4
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	3.4	1.8	3.4	7	8.6	10.1	9.1	7.9	4.9	4.2	3.2	3.7	67.3	26.1
max	13	7	9	30	16	21	19	16	14	8	9	10	117	71
min	0	0	0	0	0	0	1	0	0	1	0	0	45	9
Moderate														
mean	0	0	0	0	0.1	0	0	0	0	0	0	0	0.2	0
max	0	1	0	0	2	1	1	0	0	0	0	0	3	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	0.7	0.7	0.8	2.2	3.8	4.2	6.2	3.8	1.6	0.9	1.1	0.6	26.5	6.7
max	2	3	3	7	9	9	13	7	4	3	4	2	39	12
min	0	0	0	0	0	2	2	0	0	0	0	0	16	2
Very High														
mean	1.9	1.6	1.9	2.4	3.1	4	4.5	4.6	3.4	2.8	2	1.8	33.9	14
max	5	4	7	5	8	8	11	11	7	7	4	4	50	22
min	0	0	0	0	0	0	2	0	1	0	0	0	23	7
Extreme														
mean	5.1	5.2	6.3	5.9	5.8	5.2	5	6.1	6.9	7.1	6.2	6	70.9	42
max	11	11	13	12	11	10	11	11	14	13	15	10	90	55
min	2	2	2	0	1	2	2	2	1	2	1	2	47	24

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Very Extreme														
mean	20	19	18.6	12.6	9.6	6.4	6.2	8.6	13.2	16	17.5	18.9	166.5	123.4
max	29	27	28	24	21	14	12	18	20	26	25	27	214	160
min	6	7	7	0	3	1	1	2	7	9	10	11	111	70