

Station Name: Ngamatea Raws (NTA)

Period: 1993-10-22 - 2021-07-01

Length of record: 27 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	16.8	16.9	15	12.1	9.5	6.8	6.3	7	8.8	10.7	12.4	15.2	11.5	14.2
median	17.4	17.1	15.2	12.2	9.3	6.7	6	6.9	8.9	10.9	12.5	15.5	11.3	14.2
max	28.5	26.5	29.8	28.3	24.4	23.1	24.6	18.2	20.4	21.4	25.2	27.7	29.8	29.8
min	4.9	5	3.2	-1.3	-0.6	-4.1	-3.9	-4.4	-0.8	-1.8	1	1.5	-4.4	-1.8
Relative Humidity, %														
mean	68.6	70.4	72	76.6	81	84	82.8	78.3	74.7	72.1	69.9	70	75	71.4
median	67.7	68	71	76.8	82	85	84	79	74	72	68.9	68.8	75	70
max	100	100	100	100	100	100	100	100	100	100	100	100	100	100
min	19	27	22	28.5	21	25	25.5	24.1	18	23	21	26	18	19
Wind Speed, km/h														
mean	23.5	21	21.2	21.5	24.4	24.8	24.3	23.9	25.8	28.4	27.4	24.5	24.2	23.9
median	21.1	18.4	18.2	19.1	22	22	23	21.4	24.1	25.9	24.8	22	21.9	21.1
max	68	65.3	74.1	69.5	69.1	65.9	81.3	67.9	66.4	86.8	92.9	69.4	92.9	92.9
min	2.5	2.9	1.1	1.5	2	0	0	0	3.2	1.8	2.2	1.9	0	1.1
24-hr Rainfall, millimeters														
mean	2.7	1.9	2.2	3.1	2.7	3.2	4.5	2.7	2.6	2.5	2.5	2.8	2.8	2.5
median	0	0	0.2	0.2	0.4	0.8	0.9	0.4	0.2	0.2	0.2	0.2	0.2	0.2
max	191	87.4	81.8	104	58.6	108.2	122.2	69.4	69.4	69	119	74	191	191
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	85.1	56.2	68.3	95.9	85.2	95	140.1	83.8	76.7	74.2	74.5	87.8	85.2	77.4
max	321.4	187	159.2	255.2	202	241	284.6	233.2	235.4	160.4	183	183.4	321.4	321.4
min	13.4	5.8	5.8	22.4	10	14.2	4.4	13.4	0	6	14.6	9.4	0	5.8
Seasonal Rainfall, millimetres														
mean													1022.7	536.9
max													1349.8	962.5
min													616.4	172
Fine Fuel Moisture Code, FFMC														
mean	72	71.4	68.2	62.3	56.2	49.4	44.7	55.6	61.8	65.1	67.7	68.9	61.9	67.9
median	82	81.1	78.2	73.6	62.6	52.1	45.6	59.5	72.1	72.9	77	78.2	71.3	77.9
max	93.1	91.8	92.1	89.8	88.7	86.8	84.7	88	91.9	90.3	91.8	93	93.1	93.1
min	0	3	2.4	1.5	2	0	0.1	2.1	0.6	2.6	1	1	0	0
Duff Moisture Code, DMC														
mean	16.7	17	13.2	6.8	2.8	0.8	0.6	1.2	3.5	5.6	8.1	11.4	7.3	11.2
median	12.5	13.4	9	4	1.5	0.3	0.1	0.6	2.3	3.5	6.8	8.1	3.5	7.4
max	100.1	71	74.2	58.6	20.9	11.7	6	7.2	19.7	39.6	33.9	66	100.1	100.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Drought Code, DC														
mean	193.4	255.3	275.7	231.4	169.8	94.9	22	10.2	15.1	31.6	76	121.1	125.1	168.7
median	185.7	248.3	254.8	203.7	87.9	27.2	2.6	3.5	6.3	20.8	66	110.3	69.7	139.3
max	489.6	602	653.2	681.6	656.7	571.3	547.4	147	185.7	281.1	290.6	350.8	681.6	681.6
min	5.8	3.9	8.4	1.8	0	0	0	0	0	0.9	2.6	4.6	0	0.9
Initial Spread Index, ISI														
mean	5.9	4.7	4.1	2.8	2.4	1.5	1.4	2.1	3.5	4.5	5.3	4.8	3.6	4.6
median	4	3.4	2.7	1.8	1.3	0.7	0.4	1.2	2	2.8	3.6	3.2	2	3.1
max	46.3	39.5	37.5	27.2	21	14.5	15.2	22.5	25.3	37.6	39.5	34.7	46.3	46.3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	26.2	28.2	22.8	12.1	5	1.4	0.9	1.6	3.9	7.3	12.1	17.4	11.6	18
median	20.9	22.6	16.5	7.5	2.6	0.5	0.2	0.8	2.4	4.9	10.1	13.5	5.4	12.2
max	131.8	105.6	114.3	96.4	35.9	21.5	10.7	12.6	27.1	58.6	44.8	89.8	131.8	131.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Weather Index, FWI														
mean	9.9	8.7	6.8	3.5	2	0.7	0.7	1	2.5	4.1	6.2	6.9	4.4	6.6
median	6.9	6.1	4.2	0.9	0.5	0.2	0.1	0.3	0.8	1.8	3.7	4.1	0.9	3.6
max	71	66.6	56.5	58.5	25.7	13	11	13.9	19.8	47.3	40.9	45.1	71	71
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	2.8	2.3	1.6	0.6	0.2	0	0.1	0.1	0.3	0.7	1.3	1.6	1	1.5
median	0.8	0.7	0.3	0	0	0	0	0	0	0.1	0.3	0.3	0	0.3
max	51.5	45.9	34.3	36.5	8.5	2.5	1.9	2.9	5.4	25.1	19.4	23	51.5	51.5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	86.6	63.1	50.7	17.7	7.7	1.5	1.6	2.5	9.3	21.9	39	50.3	29.3	47
max	456.7	271	301	132.1	37.2	10	11.2	11.2	33.3	108.8	160.5	288.7	456.7	456.7
min	7.1	4.8	4	1.1	0.3	0	0	0.1	0.7	1.5	3.3	2.4	0	1.1
Cumulative Daily Severity Rating, CDSR														
mean													351.8	332.4
max													1337.5	1627.1
min													112.1	96.6

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Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	13.8	13.5	17.7	23.5	28.5	29.8	30.9	31	27.7	26	19	18.2	279.6	130.6
max	29	29	29	30	31	30	31	31	30	31	30	31	333	174
min	3	3	1	5	13	25	28	30	14	2	3	1	211	45
Moderate														
mean	11.3	10.3	10.1	5.8	2.3	0.2	0.1	0	2.2	4.5	9.6	9.5	66	61.9
max	22	18	17	18	14	5	3	1	16	23	19	20	106	97
min	2	0	2	0	0	0	0	0	0	0	0	0	29	34
High														
mean	3.6	3	2	0.4	0.2	0	0	0	0	0.4	1.1	2.3	13	13
max	10	15	13	4	4	0	0	0	1	6	7	13	38	45
min	0	0	0	0	0	0	0	0	0	0	0	0	3	1
Very High														
mean	1.2	0.7	0.6	0.1	0	0	0	0	0	0.1	0.3	0.6	3.5	3.7
max	5	4	7	1	0	0	0	0	0	2	3	10	17	30
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0.7	0.5	0.5	0.1	0	0	0	0	0	0	0	0.4	2.2	2.3
max	5	4	6	2	0	0	0	0	0	1	0	7	16	23
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	0.4	0.3	0.2	0	0	0	0	0	0	0	0	0	0.9	0.9
max	9	4	3	1	0	0	0	0	0	0	0	0	17	17
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source Wanganui/Manawatu (Rangitikei)														
Curing%	90	95	90	80	60	40	40	40	40	60	70	80		
Low														
mean	4.4	4.2	5.6	8.1	12.3	15.3	17.7	12.9	9.2	7.7	6	5	108.4	40.7
max	11	10	11	17	22	25	27	22	19	17	15	14	158	64
min	1	0	0	2	3	3	0	5	0	1	0	0	65	15
Moderate														
mean	9.2	9.2	11.8	14.7	16.7	14.2	12.5	16.6	16.7	17.9	13.5	12.4	165.4	88.9
max	18	17	18	22	28	25	28	23	25	24	21	22	213	107
min	4	3	4	8	9	5	4	7	10	13	4	0	129	56
High														
mean	9.7	9.7	9.7	6.1	2	0.5	0.7	1.4	4	5	7.4	9.7	66	57.3
max	21	16	18	18	5	2	3	7	10	12	11	18	92	88
min	5	2	5	1	0	0	0	0	0	0	1	1	33	39
Very High														
mean	4.4	3	2.3	0.9	0	0	0	0	0.1	0.4	2.5	2.4	16.1	16
max	9	7	9	3	0	0	0	0	2	3	11	10	34	44
min	0	0	0	0	0	0	0	0	0	0	0	0	5	6
Extreme														
mean	3	2	1.6	0.2	0	0	0	0	0	0	0.6	1.4	8.8	8.8
max	11	7	8	1	0	0	0	0	0	0	5	7	26	35
min	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Very Extreme														
mean	0.3	0.2	0.1	0	0	0	0	0	0	0	0	0	0.6	0.6
max	3	2	2	0	0	0	0	0	0	0	0	0	3	3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scrub Fire Danger Class (SFDC) Frequency														
Low														
mean	6.3	6.4	8.2	10.9	14.7	17.8	20	15.7	10.8	10.3	8.4	7.9	137.3	58.1
max	14	14	14	20	26	29	28	24	23	20	16	16	194	78
min	1	0	0	3	4	5	1	8	0	1	0	1	86	24
Moderate														
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
High														
mean	1.1	1.3	1.9	2	2.1	1.9	1.7	1.9	1.9	1.1	1.1	1.5	19.4	10.1
max	4	4	6	6	6	5	10	5	8	6	4	4	34	19
min	0	0	0	0	0	0	0	0	0	0	0	0	9	1
Very High														
mean	2.7	3	3.1	3.4	3.4	3.4	2.3	3.9	2.9	2.3	2	3	35.3	19.6
max	7	6	6	8	7	8	7	11	8	6	5	7	50	31
min	0	0	0	0	0	0	0	0	0	0	0	0	26	13
Extreme														
mean	5.9	6.1	6.7	6.9	5	3.7	3.9	4.5	5.7	5.2	5.4	5.8	64.9	42.1
max	13	12	11	13	13	10	16	8	12	10	9	12	101	59
min	2	1	3	3	0	0	0	1	1	2	1	0	44	27

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Very Extreme														
mean	15.1	11.4	11	6.8	5.8	3.3	3	5	8.8	12.1	13.1	12.9	108.3	82.3
max	23	21	24	18	14	14	9	11	18	24	26	30	168	146
min	6	3	3	1	1	0	0	0	2	4	5	1	60	52