

Station Name: New Plymouth SYNOP (NPA)

Period: 1963-01-01 - 2021-07-01

Length of record: 58 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	20.2	20.8	19.7	17.4	14.9	12.8	12	12.6	13.8	15	16.6	18.6	16.2	18.3
median	20	21	20	17.7	15	13	12	12.9	14	15	16.6	18.6	16	18.2
max	26.1	28	26.1	23.3	20.1	23.2	18	18.7	20.8	25.7	24	27	28	28
min	12	11.1	11	6	6	6	5	4	6	8	9.4	9.4	4	6
Relative Humidity, %														
mean	72.8	70.1	71.1	73.1	76.1	77.6	77	76.2	76.2	77.1	75.1	74.4	74.7	73.4
median	73	70	71	73	75.9	77	76.2	76	76.2	77	74.2	73.3	74	73
max	100	100	100	100	100	100	100	100	100	100	100	100	100	100
min	36	31	28	38	43	38.5	32	39	36.8	41	39	28	28	28
Wind Speed, km/h														
mean	21.3	19.9	20.1	20.4	20.9	21.4	20.7	21.8	23.4	24.6	23.9	22.5	21.7	21.8
median	19	18.4	18.5	19	20	20	20	20.5	22.3	24	22.2	22	20	20
max	66.7	72.3	74	69	68.4	72.4	66.7	64.8	72.4	61	70.6	61.2	74	74
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24-hr Rainfall, millimeters														
mean	3.1	3.2	3.2	4	4.5	4.6	4.8	4.4	4	3.9	3.5	3.7	3.9	3.5
median	0	0	0	0	0.2	0.4	0.6	0.6	0.5	0.4	0	0	0	0
max	96.8	328.7	134.7	118.2	64.3	94	103.4	83.1	101.2	88.6	101.8	95.2	328.7	328.7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	94.5	90.2	98.3	119.9	140.3	138.7	148	136.4	120	119.6	106.2	115.2	118.9	106.3
max	291.4	431.4	362.1	321.7	262.9	270.8	300.3	287.4	259.8	437.4	283	380.4	437.4	437.4
min	16.1	4.1	16.8	24.2	26.2	41.7	10.8	55.6	31	18.4	26.8	21.4	4.1	4.1
Seasonal Rainfall, millimetres														
mean													1427.3	746
max													1940.6	1296.4
min													1053.4	399.6
Fine Fuel Moisture Code, FFMC														
mean	73.4	75.5	73.5	69.6	63.5	59.8	58.4	59.4	62	64.6	68.2	69.3	66.4	70.6
median	81.3	82.8	81.9	78.5	71	65.7	63.1	64	67.7	71.5	75.3	78.4	74.8	79
max	89.9	91.2	91	88.8	86.4	86.1	85.9	87.1	87.4	88.3	88.4	90.6	91.2	91.2
min	1.1	0.1	0	2	0	1.2	1.6	0.7	1	2.4	0	0	0	0
Duff Moisture Code, DMC														
mean	11.7	15.8	12.7	7.1	2.9	1.4	1.3	1.7	2.6	3.7	6.1	8.9	6.3	9.4
median	9.6	12.7	9.9	5.6	2	0.9	0.7	1.1	1.8	2.9	4.9	6.8	3.6	6.7
max	58.8	59.1	56.1	49.1	22.8	16.1	12.5	18.1	15.5	22.9	31.4	50.8	59.1	59.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Drought Code, DC														
mean	146.8	199.5	192.3	133	54	14.2	8.5	9.3	11.1	24.2	53.9	99	78.6	120.9
median	140	196.6	175.7	116.9	22.9	7.6	5.6	5.8	7.5	19.3	47.6	89.1	34.1	93
max	370.2	451	540	447.7	357.6	168.4	63	90.4	63	123.5	214.7	374.1	540	540
min	6.6	5	4.5	2.3	0.9	0.8	0.6	0.4	0.8	2.4	4.4	5.9	0.4	2.3
Initial Spread Index, ISI														
mean	4	4.5	4	3.2	2.3	2	1.8	2	2.4	2.7	3.3	3.5	3	3.6
median	3.3	3.6	3.3	2.6	1.7	1.4	1.2	1.4	1.8	2.1	2.6	2.8	2.3	2.9
max	28.8	26.7	27.4	28.4	16.6	16.5	16.6	19.6	16.7	16.9	24.4	29.4	29.4	29.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	18.8	25.4	20.9	11.8	4.6	2.1	1.8	2.2	3.1	5.1	9	14	9.9	15
median	15.9	20.9	16.3	9.5	3	1.3	1.1	1.4	2.2	4.1	7.5	11.2	5.3	10.9
max	78.4	86	81.4	69.8	38.4	21	16.1	21.9	17.1	31.3	43.8	73.9	86	86
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Weather Index, FWI														
mean	6.1	7.9	6.4	3.9	1.7	1	0.9	1.1	1.5	2.1	3.4	4.7	3.4	4.9
median	4.7	6.3	4.7	2.5	0.6	0.4	0.3	0.4	0.6	0.9	2.1	3.2	1.1	3.1
max	36.3	50.3	40.3	44.1	19.3	18	11	22.2	13.3	14.9	29.1	44.9	50.3	50.3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	1.1	1.6	1.2	0.6	0.2	0.1	0.1	0.1	0.1	0.2	0.4	0.8	0.5	0.8
median	0.4	0.7	0.4	0.1	0	0	0	0	0	0	0.1	0.2	0	0.2
max	15.7	27.9	18.9	22.1	5.1	4.5	1.9	6.6	2.6	3.2	10.6	22.9	27.9	27.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	33.5	46.4	36.8	17.4	4.9	2.3	1.7	2.5	3.6	6	13.2	23.3	16	25.2
max	108.5	152.9	132.5	89.9	19.5	7.3	9.4	33	11.9	23.2	49.8	177.4	177.4	177.4
min	4.9	1.9	4.8	0.7	0.6	0.1	0.1	0.1	0.1	0.7	2.1	2.8	0.1	0.7
Cumulative Daily Severity Rating, CDSR														
mean													191.6	176.4
max													394.9	385.2
min													55.3	27.6

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Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	16.9	12.6	16.7	22.4	29.4	29.9	30.9	30.6	29.6	29.3	24.6	21.6	294.6	144.3
max	30	29	30	30	31	30	31	31	30	31	30	31	351	203
min	1	0	2	8	19	27	26	12	26	16	9	1	245	74
Moderate														
mean	12.4	12.3	12.1	7	1.6	0.1	0.1	0.4	0.4	1.7	5.2	8.5	61.7	59
max	25	23	25	21	12	3	5	19	4	15	20	25	96	110
min	1	0	1	0	0	0	0	0	0	0	0	0	14	9
High														
mean	1.5	2.4	1.6	0.5	0	0	0	0	0	0	0.2	0.7	6.9	6.9
max	9	9	9	9	1	0	0	0	0	0	3	10	20	26
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very High														
mean	0.2	0.7	0.5	0.1	0	0	0	0	0	0	0	0.1	1.5	1.5
max	3	7	6	3	0	0	0	0	0	0	0	4	11	11
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0	0.2	0.1	0	0	0	0	0	0	0	0	0.1	0.5	0.5
max	1	3	2	1	0	0	0	0	0	0	0	6	6	6
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	1	0	0	0	0	0	0	0	0	0	0	1	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source Taranaki (Taranaki)														
Curing%	55	75	75	50	40	30	25	25	35	40	40	50		
Low														
mean	3.7	2.8	3.2	5.6	8.7	12	13.6	12.6	9.6	7.4	5.7	5.5	90.3	33.8
max	10	11	11	14	16	23	25	23	20	16	14	14	130	50
min	0	0	0	0	2	5	2	3	1	1	1	0	58	13
Moderate														
mean	22.4	15.1	17.8	21.4	21.2	17.6	17.2	18.2	19.6	22.3	22.3	21.7	236.8	142.7
max	27	22	27	28	28	25	29	28	29	29	28	29	269	161
min	16	6	10	12	14	7	6	8	10	13	15	16	207	120
High														
mean	4.7	8.8	8.7	2.8	1.1	0.4	0.2	0.2	0.8	1.3	2	3.7	34.6	32
max	13	17	17	10	4	3	2	2	4	8	8	13	61	69
min	0	2	3	0	0	0	0	0	0	0	0	0	14	10
Very High														
mean	0.3	1.4	1.1	0.2	0	0	0	0	0	0	0	0.1	3.2	3.2
max	2	5	4	2	0	0	0	0	0	0	1	3	10	10
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0	0.3	0.2	0	0	0	0	0	0	0	0	0	0.4	0.4
max	0	2	1	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
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	5.6	4.1	5.6	7.5	11.3	13.1	14.3	13.9	12	10.3	8.2	7.7	113.5	49.1
max	14	13	14	16	21	23	26	24	23	20	16	17	158	68
min	0	0	1	2	5	6	2	5	3	1	2	0	89	22
Moderate														
mean	0	0	0	0	0	0	0.1	0	0	0	0	0	0.2	0.1
max	1	1	0	0	1	1	1	1	0	0	0	0	1	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	1.2	1.1	1.3	1.7	2.7	2.7	2.6	2.4	1.6	1.7	1.1	1.1	21.3	9.1
max	5	5	5	6	8	9	7	7	5	6	5	5	36	19
min	0	0	0	0	0	0	0	0	0	0	0	0	8	2
Very High														
mean	2.9	2.5	3.1	3.3	4.5	4.1	3.8	3.7	3.2	3.7	3.2	3.1	41	21.7
max	9	8	9	10	11	9	8	10	7	9	7	8	60	38
min	0	0	0	0	1	0	0	0	1	0	0	0	27	9
Extreme														
mean	10.5	8.9	10.1	9.7	7.5	6.1	7	7	8.1	8.9	9.4	9.7	102.8	67.1
max	17	15	17	17	18	11	15	14	17	15	17	16	139	87
min	5	2	2	1	1	0	0	2	3	2	3	2	79	49

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Very Extreme														
mean	10.8	11.5	11	7.9	4.9	4	3.2	4	5.2	6.4	7.9	9.5	86.4	65.2
max	22	24	20	18	14	10	15	17	14	16	18	20	118	114
min	3	2	4	0	0	0	0	0	0	0	2	3	50	25