

Station Name: Ngawihi (NWX)

Period: 1994-11-16 - 2021-07-01

Length of record: 26 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	20.4	20.4	18.9	16.9	14.9	12.7	11.8	12.4	14	15.5	17	19.2	16.2	18.3
median	20.2	20.4	19	17	15	12.4	11.8	12.4	14	16	17	19.4	16	18
max	30.9	30	29	24	30	20.1	21.1	19.7	22	25.8	29	28	30.9	30.9
min	11	10	10	8	3.7	5	5	4	6	7	6	6.2	3.7	6
Relative Humidity, %														
mean	61	62.3	65	67	68.7	69.9	69.8	68.8	64.5	63.5	61.3	60.9	65.2	63
median	60	61	64	67	68	69.6	69	68	64	62	61	60	64.6	62
max	99	97	99	99	100	99	98	100	99	100	99	100	100	100
min	16	20	31	24	30	33	39	26	21	18	16	24	16	16
Wind Speed, km/h														
mean	20.1	19.2	19.7	19.1	19.1	19.9	19.5	19.8	22.6	23.5	22.6	21.9	20.6	20.8
median	18.5	17	18.5	18.5	18.4	19	19	20	24	24	20.4	20	20	19
max	57	57	65	62	64.8	68.6	57.4	61	69	69	61	63	69	69
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24-hr Rainfall, millimeters														
mean	2	2	2.2	2.8	2.6	3.5	4.1	3.2	2.3	2.3	2.7	2.2	2.6	2.3
median	0	0	0	0	0	0.2	0.2	0	0	0	0	0	0	0
max	67.2	153	84.2	116	56.4	160.4	115	78.4	161	109.4	187.4	97.4	187.4	187.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	63.3	58	70.1	83.4	80.5	102.4	126.5	98.5	70.2	69.9	82.3	67.4	81	70.6
max	133	283.2	166.8	310.2	166.8	265.8	414	230.8	263.4	171.4	348.8	192.2	414	348.8
min	6.6	7.4	9	5	6.6	34.2	17.6	7.4	7	4.2	13.8	10.6	4.2	4.2
Seasonal Rainfall, millimetres														
mean													972.6	477.1
max													1652.2	935.2
min													347.2	169.4
Fine Fuel Moisture Code, FFMC														
mean	78	78.9	76.7	73.8	69.8	65.5	64.2	65.7	73.9	74	75.7	77.3	72.8	76.3
median	85.3	85	84.1	82.1	79.9	73.2	72.2	74.1	81.8	82.7	83.9	84.6	82.1	84
max	94.9	94	91.5	92.4	89.5	89.4	87.2	89.4	92.2	94.1	93.9	92.2	94.9	94.9
min	4.8	13.9	1.9	6.3	0	3	3.2	3	6.3	4.1	2	8.8	0	1.9
Duff Moisture Code, DMC														
mean	26.1	30.3	24.4	15.3	9.6	3.9	3	4.2	9.5	13.4	19	21.9	15.1	21.5
median	22.2	22.7	16.7	11	6.9	2.6	2.2	2.9	8.2	9.7	15.2	18.2	9.8	16.3
max	100.8	101.1	86.2	88	88.9	30.2	15.2	30.3	34.2	60.6	76.6	68.1	101.1	101.1
min	0	0.1	0.4	0	0	0	0	0	0	0	0.2	1.3	0	0
Drought Code, DC														
mean	271.5	337.4	341.3	285.1	227.7	129.9	66.3	45.9	50.4	66.4	122.1	193	178.8	231
median	270.9	333.8	312.9	255.5	201.7	72.8	19.8	14.6	28.4	42.9	103.7	177.4	128.7	196
max	693.9	703.5	814	856.8	861.8	575.9	525.1	425.5	340.7	460.1	523.7	679.8	861.8	856.8
min	6.4	5	5.5	2.5	1.1	0.6	0.6	1	1	2.2	4.3	5.5	0.6	2.2
Initial Spread Index, ISI														
mean	7.9	6.9	6.2	4.9	4.1	3.3	3.1	3.3	5.8	6.4	7.4	7.7	5.6	6.8
median	4.4	4.1	3.6	2.7	2.3	1.8	1.5	1.8	3.4	3.8	4.2	4.4	3.1	3.8
max	69.6	44	45.5	31.6	27.5	28.2	30.1	24.2	34.2	49.7	43	43.9	69.6	69.6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	40.5	47.8	40.1	25.8	16.3	6.3	4.4	5.6	11.5	17	26.1	32.8	22.9	32.8
median	35.8	38.4	28.4	19.1	11.7	4.1	3.2	3.7	9.5	12	21.3	28.1	14.8	25.4
max	143.4	129	136.3	140	141.3	48.7	17.6	36.2	43.7	87.4	88.8	90.2	143.4	143.4
min	0	0.2	0.7	0	0	0	0	0	0	0	0.4	1.7	0	0
Fire Weather Index, FWI														
mean	14.9	14.8	12.1	8.1	5.6	2.9	2.4	2.8	6.3	8.3	11.6	13.2	8.6	11.9
median	10.7	11.1	8.6	4.6	2.9	0.7	0.6	0.7	3.8	5.1	7.9	8.7	4.5	8.1
max	84.9	77.2	65.6	64.7	48.1	32.6	26.9	34	42.2	50.4	62.5	62.7	84.9	84.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	5.3	5.1	3.7	2.1	1.2	0.4	0.3	0.4	1.3	2.1	3.6	4.3	2.5	3.7
median	1.8	1.9	1.2	0.4	0.2	0	0	0	0.3	0.5	1	1.3	0.4	1.1
max	70.6	59.7	44.7	43.7	25.8	13	9.2	14	20.5	28.1	41.1	41.2	70.6	70.6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	159.1	141	108	63	36.3	13.6	9.2	12.2	37.9	63.7	107.2	133.9	73.8	110.8
max	334	420.6	252	284.2	164.4	51.7	25.7	62.3	92.3	264	319.7	426.8	426.8	426.8
min	25.1	34.6	30.5	10.7	4.5	0.5	1.1	1	8	7.9	20.4	20.1	0.5	7.9
Cumulative Daily Severity Rating, CDSR														
mean													885.1	796.8
max													1747.8	1804.2
min													504.1	247.4

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	9.7	7.9	10.6	16.3	21	26.3	28.7	27.4	19.5	17.7	12.2	10.1	207.4	82.5
max	23	18	20	27	31	30	31	31	30	30	23	21	261	130
min	1	0	1	2	5	17	22	6	6	1	2	1	115	22
Moderate														
mean	10.7	10.8	12.8	9.5	7.8	3.5	2.3	3.5	9.2	9.9	11	12.3	103.2	77.7
max	15	17	19	17	21	12	9	22	20	21	19	19	157	100
min	5	3	5	2	0	0	0	0	0	1	5	5	60	49
High														
mean	4.9	4.8	4.3	2.7	1.4	0.2	0	0.1	1.1	2.2	3.7	4.1	29.5	26.8
max	10	11	11	9	7	3	0	2	5	10	8	10	53	46
min	0	0	0	0	0	0	0	0	0	0	0	0	15	9
Very High														
mean	2.5	1.8	1.3	0.7	0.2	0	0	0	0.1	0.8	1.7	1.7	10.9	10.5
max	7	6	4	5	3	1	0	1	1	6	7	6	25	24
min	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Extreme														
mean	2.5	2	1.6	0.7	0.4	0	0	0	0	0.3	1.2	2.4	11.2	11.3
max	11	5	8	5	5	0	0	0	1	7	8	12	29	39
min	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Very Extreme														
mean	0.8	1	0.4	0.2	0	0	0	0	0	0.1	0.3	0.3	3.2	3.5
max	7	8	5	4	1	0	0	0	0	2	4	5	16	12
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source Wairarapa (Wairarapa)														
Curing%	90	95	95	80	60	50	45	45	50	65	70	80		
Low														
mean	2.8	1.8	2.8	3.7	7.4	8.7	9.9	8.8	4.6	4.5	3.9	2.9	61.7	21.7
max	7	6	6	13	17	17	26	19	11	12	11	9	91	37
min	0	0	0	0	0	1	1	0	0	0	0	0	21	8
Moderate														
mean	9.8	8.8	10.6	15.2	18.7	16.6	17.3	17.5	16.1	15.7	13.2	11.4	170.8	84.5
max	17	16	18	23	25	23	24	22	22	22	20	20	192	105
min	5	3	4	8	10	9	4	10	9	10	5	3	154	59
High														
mean	9.1	9.4	9.3	6.4	4.7	4.4	3.8	4.6	8.1	7.7	6.7	8.8	83	58.2
max	15	22	17	12	9	13	10	9	13	14	11	15	115	85
min	2	5	2	3	0	0	1	1	4	2	2	2	62	39
Very High														
mean	3.2	3.2	3.3	3.2	0.2	0.3	0.1	0.1	1.2	2.9	4.3	3.1	25.2	23.1
max	7	6	5	7	2	3	1	1	4	6	11	7	33	31
min	1	0	1	0	0	0	0	0	0	0	0	0	17	15
Extreme														
mean	4.9	4.2	4.3	1.6	0	0	0	0	0	0.3	1.8	4.7	21.7	22.1
max	12	9	10	5	0	0	0	0	0	3	9	12	38	52
min	1	1	1	0	0	0	0	0	0	0	0	0	11	7
Very Extreme														
mean	1.2	0.8	0.7	0	0	0	0	0	0	0	0	0.1	2.9	2.7
max	3	3	3	0	0	0	0	0	0	0	0	2	9	11
min	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Scrub Fire Danger Class (SFDC) Frequency														
Low														
mean	4.4	3.4	4.2	5.7	8	9.9	10.9	10.3	5.4	5.6	5.3	4.3	77.5	32.1
max	11	11	9	14	17	20	28	19	11	12	12	9	117	50
min	0	0	0	0	1	1	1	0	0	0	0	1	33	12
Moderate														
mean	0	0	0	0.1	0	0	0.2	0.2	0.1	0	0	0.1	0.7	0.3
max	1	1	0	1	0	0	1	1	1	0	0	1	3	2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	2.2	1.5	2	2.5	2.7	3.2	3.4	2.5	2.2	2.1	1.9	1.4	27.7	13.2
max	6	5	5	6	8	8	11	7	7	7	5	6	46	22
min	0	0	0	0	0	0	0	0	0	0	0	0	8	3
Very High														
mean	2.2	2.3	2.7	4.1	3.7	3.6	3.1	4	3.2	2.3	2.2	2.5	35.9	18.2
max	7	6	8	11	10	7	8	9	8	6	5	5	52	35
min	0	0	0	1	1	1	0	0	0	0	0	0	17	7
Extreme														
mean	6.5	7.2	9.1	6.9	6.5	5.7	5.6	5.5	5.9	6.7	5.8	6.3	77.6	49.3
max	12	14	17	13	13	11	12	10	13	12	12	11	99	67
min	3	1	3	1	2	1	0	0	1	1	1	1	51	23

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Very Extreme														
mean	15.7	13.8	13	10.7	10	7.7	7.8	8.5	13.2	14.3	14.8	16.3	145.8	99.2
max	22	24	21	20	19	16	16	18	22	21	26	25	183	132
min	6	8	6	4	1	0	2	2	7	5	10	9	127	75