

Station Name: Wellington Aero SYNOP (WNA)

Period: 1961-01-01 - 2020-07-01

Length of record: 59 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	19.4	19.5	18.3	16.1	14	11.9	11.2	11.6	13	14.5	16.1	18	15.3	17.4
median	19.4	19.9	18	16	14	12	11	12	13	15	16.1	18	15	17.2
max	27	29	26.1	24	21	18	16.6	18	21.1	21.1	25	27	29	29
min	10	10	9	8	4	4.4	5	2	4.4	5	6	10	2	5
Relative Humidity, %														
mean	67.1	67.3	69.5	71	73.5	75.6	74.9	73.3	70.9	69.6	67.2	68.1	70.7	68.6
median	66	67	68.2	71	73	76	75	73	71	68.2	66	67	70	68
max	100	100	100	100	100	100	100	100	100	100	100	100	100	100
min	28	32	30	27	32	27	26.2	34.7	32	22.3	27	30	22.3	22.3
Wind Speed, km/h														
mean	31.2	29.5	28.9	27.8	27.5	26.9	26.2	27.4	30	32.6	32.8	31.7	29.4	30.6
median	30	28	28	26	26	26	24	26	30	32	32	31.5	28	30
max	76	78	85	119	106	96	89	89	79.6	83	89	102	119	119
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24-hr Rainfall, millimeters														
mean	2.1	1.8	2.2	2.7	3.1	3.6	3.5	3.2	2.7	2.8	2.4	2.3	2.7	2.3
median	0	0	0	0	0	0.2	0.2	0.2	0	0	0	0	0	0
max	100.6	57.8	97.6	85.5	98.5	70	95.6	149.4	53.7	58.1	89.6	83.4	149.4	100.6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	65.4	52.7	68.2	83	96.1	106.5	109.8	99.1	79.5	85.3	72.4	71.4	82.5	71.2
max	218.8	295.6	221.1	306.2	208.4	181.6	257.5	233.9	176.8	228.4	187.1	179	306.2	306.2
min	6.8	4.3	9.1	11.2	20.6	21.3	17	31.3	7.6	3.1	7.6	14.2	3.1	3.1
Seasonal Rainfall, millimetres														
mean													989.5	496.9
max													1494	810.8
min													679.3	203.6
Fine Fuel Moisture Code, FFMC														
mean	78.1	78.5	75.6	73.1	69	64.1	63.6	65.6	69.4	72	75.3	76	71.7	75.5
median	83.7	84	82.9	81	77.5	70.7	69.9	71.7	77.8	79.4	82.2	82.5	79.9	82.5
max	91.6	90.5	90.5	90.7	88.8	89.6	86.5	87.3	89.1	90.4	90.3	91.1	91.6	91.6
min	3.8	9.1	1.3	0	0	1.3	0.6	0.8	0	0.6	1.6	0	0	0
Duff Moisture Code, DMC														
mean	19.1	22.1	17.1	10.9	5.1	2.2	1.7	2.6	4.7	7	12.5	16	10	14.9
median	16.8	18.8	13.1	8.1	3.6	1.4	1.2	1.7	3.8	5.8	10.4	13.2	6.2	11.7
max	68.3	74	70.9	49.3	44.7	19	10.7	15.2	26	34.9	52.4	82.1	82.1	82.1
min	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0
Drought Code, DC														
mean	233.6	306	314.9	261.7	169.7	79.1	31	18.4	20.3	37.4	86.5	161.2	143.1	199.8
median	228.9	306.5	307.2	247.7	136.5	36.4	10.5	9.7	13.6	32	81	152.7	94.7	176.9
max	490	610.5	700.5	751.6	756.4	542.7	359.5	186.1	206.9	232.1	251.9	405.8	756.4	751.6
min	6	5.3	4.4	2.5	1	0.5	0.6	0.1	0.8	2.2	4	5.6	0.1	2.2
Initial Spread Index, ISI														
mean	9.1	8.5	7.1	5.7	4.3	3.2	2.9	3.4	5	6.4	7.9	8	5.9	7.5
median	7.1	6.8	5.2	4.1	3.1	2	1.9	2.3	3.7	4.7	6.3	6.2	4.2	5.7
max	50	39	35.5	33.1	29.9	22.5	21.4	20.4	30.4	30.7	33.9	35.5	50	50
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	30.8	36.4	29.1	19	9	3.7	2.5	3.3	5.6	9.1	17.7	24.7	15.9	23.8
median	27.7	31.9	22.9	14.6	6.4	2.4	1.7	2.3	4.5	7.6	15.6	21.2	9.6	19.1
max	99.3	111.3	111	84.6	77.9	31.8	14.8	17.2	39.5	48.7	66	100.2	111.3	111.3
min	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Weather Index, FWI														
mean	15	15.6	12	8.2	4.3	2.2	1.7	2.3	4.1	6.4	10.4	12.4	7.9	11.4
median	13.1	13.8	9.6	5.9	2.5	0.7	0.6	0.8	2.6	4.5	8.7	10.4	4.5	9.1
max	63.5	77.3	55.8	47.2	40.2	19.9	17	18.8	32.6	32.9	44.2	59.3	77.3	77.3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	4.5	4.8	3.4	1.9	0.7	0.2	0.2	0.3	0.6	1.2	2.6	3.4	2	3.1
median	2.6	2.8	1.5	0.6	0.1	0	0	0	0.1	0.4	1.2	1.7	0.4	1.3
max	42.3	59.8	33.6	25	18.8	5.4	4.1	4.9	12.9	13.2	22.2	37.4	59.8	59.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	140.7	135.6	103.1	55.6	21.3	7.1	5	7.9	18.1	37.7	76.8	106	59.6	93.7
max	359.8	344.9	413.4	207.2	68.2	26.2	21.3	30.6	96.1	125.1	224.5	440.2	440.2	440.2
min	27.7	18.5	17.5	5.5	3.3	0.8	0.1	0.5	1.7	3.3	13.9	23.7	0.1	3.3
Cumulative Daily Severity Rating, CDSR														
mean													715	662.1
max													1246.1	1348.3
min													296.3	294.1

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Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	7.2	6.2	10.6	15.3	24.3	28.6	30.5	29.4	25.5	20.8	11.9	9.6	219.9	80.9
max	19	22	26	29	31	30	31	31	30	31	27	25	282	121
min	0	0	0	1	10	18	25	19	9	6	0	1	172	30
Moderate														
mean	12.5	11.1	12.9	10.9	6.1	1.4	0.5	1.6	4.3	9.3	13.3	14.1	97.9	84
max	20	18	22	22	17	12	6	12	19	20	23	20	135	109
min	4	2	3	1	0	0	0	0	0	0	3	4	63	52
High														
mean	6.9	6.4	4.3	2.8	0.6	0	0	0	0.1	0.8	3.9	4.8	30.5	30.2
max	16	17	14	11	6	0	0	0	7	6	11	12	59	62
min	0	0	0	0	0	0	0	0	0	0	0	0	11	10
Very High														
mean	2.8	2.4	1.5	0.8	0	0	0	0	0	0.1	0.6	1.4	9.7	9.8
max	8	7	7	9	1	0	0	0	2	4	4	6	27	33
min	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Extreme														
mean	1.5	1.9	1.5	0.2	0	0	0	0	0	0	0.3	0.8	6.3	6.4
max	7	9	14	5	0	0	0	0	0	0	5	9	20	20
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	0.2	0.4	0.2	0	0	0	0	0	0	0	0	0.2	0.9	0.9
max	5	6	4	0	0	0	0	0	0	0	0	7	8	8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source Wellington (Wellington West)														
Curing%	60	70	60	40	20	20	20	20	30	40	40	50		
Low														
mean	2.1	1.5	2.9	3.8	7.4	10	11	9.5	5.6	3.8	2.6	2.5	62.7	19.1
max	6	7	10	10	17	21	21	19	14	10	7	10	92	38
min	0	0	0	0	0	1	0	2	0	0	0	0	40	5
Moderate														
mean	15.2	9.9	18.1	19.2	22.2	19.4	19.7	20.7	20.2	17.3	15.5	14.3	211.6	109.3
max	22	18	26	26	30	27	31	28	27	22	21	22	249	135
min	9	3	7	14	12	8	10	12	15	10	8	8	170	85
High														
mean	12.4	10.9	9.7	6.8	1.4	0.6	0.4	0.8	4.2	9.6	11	11.5	79.2	72.1
max	20	17	23	15	9	3	2	3	10	21	17	17	106	100
min	5	5	3	0	0	0	0	0	0	2	4	5	58	52
Very High														
mean	1.3	5.2	0.4	0.2	0	0	0	0	0	0.3	0.9	2.6	10.9	10.9
max	6	11	4	2	0	0	0	0	0	3	6	10	25	23
min	0	1	0	0	0	0	0	0	0	0	0	0	1	2
Extreme														
mean	0	0.9	0	0	0	0	0	0	0	0	0	0	0.9	0.9
max	0	4	0	0	0	0	0	0	0	0	0	0	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	3.3	2.7	4.2	5.8	8	10.5	11.3	10.1	7.4	6.2	4.3	4.2	78.1	30.5
max	8	8	12	13	17	25	21	21	18	14	10	12	115	49
min	0	0	0	1	2	3	3	2	0	0	0	0	54	11
Moderate														
mean	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0
max	0	0	0	1	0	0	1	0	0	0	0	0	1	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	0.4	0.3	0.6	1	1.5	2.3	2.5	2	0.8	0.8	0.4	0.4	12.9	3.9
max	4	3	3	3	6	6	7	6	3	3	3	4	24	12
min	0	0	0	0	0	0	0	0	0	0	0	0	4	1
Very High														
mean	1.4	1.4	1.9	2.1	2.7	3.3	3.4	3	2.1	1.9	1.3	1.5	25.9	11.4
max	6	4	6	6	7	7	8	7	6	5	6	5	39	23
min	0	0	0	0	0	0	1	0	0	0	0	0	12	3
Extreme														
mean	4.2	4.5	6.2	6.8	7.1	5.8	6.3	6.8	6	5.4	4.6	4.8	68.6	36.5
max	8	9	12	17	13	12	11	13	15	13	9	9	91	52
min	1	1	1	1	3	1	1	2	0	1	1	1	45	21

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Very Extreme														
mean	21.7	19.2	18.1	14.4	11.7	8.1	7.5	9	13.7	16.7	19.3	20.1	179.5	130
max	29	28	28	25	20	18	18	20	21	28	27	27	220	167
min	13	12	8	5	5	1	0	2	4	7	8	12	150	101