

Station Name: Whakatane Aero Aws (WKA)

Period: 1992-01-01 - 2021-07-02

Length of record: 29 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	22.5	22.8	21.3	18.8	15.9	13.3	12.6	13.5	15.1	16.9	18.7	20.7	17.7	20.2
median	22.8	23	21.2	19	16	13.2	12.7	13.7	15	17	19	21	17.8	20
max	28.7	29	27	26.6	22.1	19	18	18	22	26	28	27.7	29	29
min	15	16	13	10.5	6.2	6	6	7	9	9	10	14	6	9
Relative Humidity, %														
mean	63.8	63.1	63.7	67.1	72.1	75.4	74.3	70.4	69.8	67.9	64.5	66.2	68.2	65.2
median	65	62	62	65	71	74.8	73	69	69	68	64	67	68	65
max	100	100	100	100	100	100	100	100	100	100	99	100	100	100
min	22	27	26	30	38	41	45	37	34	30	25	20	20	20
Wind Speed, km/h														
mean	19.4	17.7	16.2	14.2	14.1	14.2	14.2	15.4	18.1	20	21	20.1	17	18.4
median	19	17	15	13	11.4	11.6	13	13	17	20	20	19	16.8	17.8
max	53.6	44	48	63	55	67	70	48	50	50	57	83	83	83
min	1.8	3.6	3.6	0	0	0	0	0	2	2	0	3.8	0	0
24-hr Rainfall, millimeters														
mean	2.3	2.6	2.8	4.2	4.1	4.5	4.8	3.5	2.9	3	2.4	3.3	3.4	2.9
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	142.6	110.4	94.4	134.2	142.6	166.8	126.4	68	73	91.2	73	99.8	166.8	142.6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	68.3	73.7	88.2	126.3	126.8	137.4	148.3	108.2	87.1	91.9	72.3	102.5	102.6	89
max	212	239.4	219	335.8	335.8	320	415.2	254	151.4	220.8	216.2	293.4	415.2	335.8
min	5	10.6	5.4	5.2	15.2	7	51.8	53.4	28.8	21.8	10.4	9.2	5	5
Seasonal Rainfall, millimetres														
mean													1231.1	624.2
max													1725.7	960.2
min													707.2	269.6
Fine Fuel Moisture Code, FFMC														
mean	79.4	78.8	77.2	72.9	68.5	63.5	63.3	66.5	70.3	73.1	76.8	75.4	72.1	76.2
median	85.1	85.4	84.9	82.8	78.7	73.5	71.8	75.7	79.1	81.3	83.5	83.4	81.4	83.8
max	92.4	91	91.8	90.2	87.6	86.2	85.6	86.5	89.1	89.6	93.3	93.1	93.3	93.3
min	3.3	5	6.8	0	0.4	0.6	3.3	1.9	6.3	5.9	6.7	4.5	0	0
Duff Moisture Code, DMC														
mean	25.5	30.9	21.6	14.5	7.1	3.3	2.6	3.6	6.3	9.7	16.2	19	13.3	19.6
median	21.3	24	17.2	10.5	5	2	1.8	2.8	5.6	8.4	14.1	16.7	8.4	15
max	94	117.7	122.6	127.7	38.6	24.8	20.5	14.2	25.2	31.3	61.5	74	127.7	127.7
min	0.7	0	0.4	0	0	0	0	0	0	0	0.1	0	0	0
Drought Code, DC														
mean	222.9	288.9	259.6	208.6	110.8	44.7	17.9	15	20.9	44.2	99.6	161	124.7	183.6
median	209.9	267.5	244.1	197.6	77.1	14.7	9.2	10.6	17.7	39.4	95.5	158.9	68.3	152.4
max	557.7	714.6	868.1	933.4	449.8	320.6	329.2	62.7	76.4	141.7	260.3	391.3	933.4	933.4
min	6.6	7	4.8	3.2	0.8	1.5	1	1.3	1.3	2.9	4.9	5.9	0.8	2.9
Initial Spread Index, ISI														
mean	5.8	5.2	4.4	3.1	2.3	1.8	1.6	2.1	2.9	3.8	5.3	4.9	3.6	4.6
median	5.2	5	4.1	2.9	2	1.3	1.3	1.6	2.5	3.2	4.5	4.5	2.8	4.1
max	39.9	22.9	36.3	17.7	20.1	15.5	8.7	22.6	23	23.2	32.4	37.7	39.9	39.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	38	46.8	34.1	23.1	11.1	4.8	3.3	4.3	7.1	12.1	22.2	28.1	19.6	29.2
median	32.5	38.7	27.8	17.6	7.6	2.8	2.3	3.3	6.3	10.5	20	25.8	11.9	22.9
max	132.3	165.2	176.6	190.3	60.2	41.5	35.5	17.2	25.1	38.6	74.8	92	190.3	190.3
min	1.1	0	0.9	0	0	0	0	0	0	0	0.1	0	0	0
Fire Weather Index, FWI														
mean	12.3	12.6	9.1	5.5	2.7	1.3	0.9	1.5	2.7	4.7	8.6	9.1	5.9	8.8
median	10.9	11.2	7.8	4.2	1.3	0.5	0.5	0.6	1.7	3.5	7.3	8	3	7.1
max	72.1	45.9	66.2	43.5	20.2	18.6	9.2	14.8	25.2	28.8	46.5	48.2	72.1	72.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	3.3	3.3	2.1	1	0.3	0.1	0.1	0.1	0.3	0.7	1.9	2	1.3	2
median	1.9	2	1	0.4	0	0	0	0	0.1	0.3	0.9	1.1	0.2	0.9
max	52.9	23.8	45.5	21.6	5.5	4.8	1.4	3.2	8.2	10.4	24.4	25.9	52.9	52.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	103.1	94.4	64.1	29	9.8	3.7	1.6	3.6	8.3	21.3	55.6	62.1	38	61.3
max	347.7	231.5	365.1	124.3	41.1	41.9	5.5	13.1	23.2	77.1	200.9	251.8	365.1	365.1
min	15.6	15.7	9.6	1.4	0.6	0.2	0.1	0.2	0.7	2.8	10.5	5.5	0.1	1.4
Cumulative Daily Severity Rating, CDSR														
mean													456.5	430.9
max													973.7	1021.4
min													131.5	162.8

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	7.8	7.4	10.9	17.2	25.9	28.7	30.8	30.4	27	21	12.2	11.2	230.6	88.3
max	21	19	25	30	31	30	31	31	30	31	22	29	289	130
min	0	0	0	3	10	8	29	27	16	5	0	0	178	48
Moderate														
mean	13.7	10.9	15.1	11.3	5.1	1.2	0.2	0.6	3	9.7	14.3	14.7	99.7	88.8
max	23	21	26	22	21	20	2	4	14	21	24	23	148	108
min	4	0	3	0	0	0	0	0	0	0	8	2	61	58
High														
mean	5.9	6.4	3.5	1.1	0.1	0.1	0	0	0	0.3	2.7	4.1	24.1	24.3
max	16	16	13	9	1	2	0	0	1	5	11	14	43	42
min	0	0	0	0	0	0	0	0	0	0	0	0	2	4
Very High														
mean	2.2	2.5	1	0.3	0	0	0	0	0	0	0.4	0.8	7.3	7.3
max	10	13	13	5	0	0	0	0	0	0	4	11	31	33
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	1.2	1	0.4	0	0	0	0	0	0	0	0.3	0.2	3.2	3.2
max	11	6	7	1	0	0	0	0	0	0	4	3	15	17
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	0.1	0	0.1	0	0	0	0	0	0	0	0	0	0.3	0.3
max	2	1	2	1	0	0	0	0	0	0	0	1	3	3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source North Island (Bay of Plenty coastal)														
Curing%	70	75	80	75	70	60	50	65	70	75	85	85		
Low														
mean	2	2.2	2.9	4.8	6.6	10.4	9.8	8.1	4.8	3.8	2.5	3.2	61	21.4
max	6	7	7	12	12	19	19	18	11	11	6	8	92	35
min	0	0	0	0	3	1	2	3	0	0	0	0	39	9
Moderate														
mean	13.3	10	12.2	18.9	21.9	19.2	21	21.6	20.9	16.5	9.6	9.6	194.7	89.9
max	21	16	20	25	27	27	29	27	29	23	19	20	220	118
min	5	4	4	10	14	11	12	13	12	8	3	1	162	65
High														
mean	14.6	14.9	14.3	6	2.5	0.4	0.2	1.2	4	9.7	13.8	14.2	95.8	87.6
max	22	24	25	16	11	2	2	6	10	18	20	23	123	114
min	6	6	6	0	0	0	0	0	0	2	7	5	51	56
Very High														
mean	1	1.1	1.4	0.3	0.1	0	0	0.1	0.2	1	3.1	3.6	11.9	11.3
max	3	4	5	3	2	0	0	1	2	4	8	13	24	21
min	0	0	0	0	0	0	0	0	0	0	0	0	2	1
Extreme														
mean	0.2	0.1	0.1	0	0	0	0	0	0	0	1.1	0.4	1.9	2
max	2	1	2	0	0	0	0	0	0	1	9	3	11	9
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	1	1	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scrub Fire Danger Class (SFDC) Frequency														
Low														
mean	3	3.3	4.1	6	8.2	10.6	11.1	9.7	7.2	6	4	5.1	78.3	31.6
max	8	9	9	16	15	18	20	20	14	13	11	13	113	46
min	0	0	0	0	4	2	3	3	3	0	0	0	54	18
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	0.8	1.5	2.2	3.8	4.2	3.9	3.3	2.1	1.3	0.9	1.2	26.1	9
max	4	4	5	6	8	11	8	9	5	5	3	5	39	16
min	0	0	0	0	0	1	0	0	0	0	0	0	12	3
Very High														
mean	2	1.9	2.7	3.2	3.9	5.4	5.6	5.2	4.1	3.5	2.4	2.4	42.5	18.3
max	5	5	6	6	10	12	10	10	9	9	5	6	58	26
min	0	0	0	0	0	0	1	1	1	0	0	0	28	8
Extreme														
mean	5.7	5.2	8.1	11	10.6	6.9	8.5	8.7	10.1	8.3	6.9	6.1	96	50.9
max	11	10	14	17	16	14	20	15	18	12	15	11	125	67
min	2	1	2	3	4	0	1	1	4	3	2	0	68	36

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Very Extreme														
mean	19.4	17	14.7	7.6	4.5	2.8	1.9	4	6.5	11.9	15.7	16.2	122.3	102.5
max	27	24	27	17	17	13	7	12	15	20	26	30	173	135
min	10	6	7	0	0	0	0	0	1	4	6	3	61	69