

Station Name: Whangarei Aero Aws (WRA)

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

Length of record: 29 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	22.8	23	21.5	19.5	17.2	15	14.2	14.5	16	17.5	19.2	21.3	18.5	20.7
median	23	23	21.6	19.4	17	15	14	14.6	16	17.4	19	21	18	21
max	30	30.1	27	25	23	21	19	20	21	23	26	29	30.1	30.1
min	14.2	16	16	12.3	8.4	7	7	6	8.7	11	13	12	6	11
Relative Humidity, %														
mean	62.1	64.5	66.3	69.3	73.4	76.6	75	71.6	67.6	64.5	62.7	63.5	68.1	64.7
median	60	63	64	68	72	76	73	70	66	62	60.5	61	67	63
max	100	100	100	100	100	100	100	100	100	95	100	99	100	100
min	34	34	36	40	42	46	46	40	35	35	38	34	34	34
Wind Speed, km/h														
mean	16.7	16.1	15.8	14.7	14.4	14	14.9	16.3	17	18.3	18.1	17	16.1	16.7
median	16.7	16.4	15	14.8	13	13	14.8	15	16.7	18	17	17	15	16.7
max	48	41	50	43	46	44.7	56	48	44	50	46	43	56	50
min	0	1.9	0	0	0	0	0	0	1.9	2	0	2	0	0
24-hr Rainfall, millimeters														
mean	2.5	2.9	3.6	3.1	3.8	4.8	5.8	4.2	3.7	2.4	2.6	2.9	3.5	2.9
median	0	0	0	0	0.4	0.6	0.9	0.8	0.4	0	0	0	0.2	0
max	204.8	112.4	204.4	75.8	84.8	113.6	138.2	87.6	83	61	106	129.8	204.8	204.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	76.2	81.2	111.7	90.9	118.9	139.7	180.8	130.1	111.2	75.3	77.4	90.5	107	86.2
max	359.6	194.6	342.4	250.8	226.2	340.6	457	259.2	250	147.6	255	224	457	359.6
min	6.4	8.6	7.6	4.6	23.8	24.8	24.2	38.4	38	16	6	7	4.6	4.6
Seasonal Rainfall, millimetres														
mean													1283.9	615
max													1765.6	967.6
min													849	246.4
Fine Fuel Moisture Code, FFMC														
mean	79.6	77.9	76.5	72.6	66.7	61.5	60.2	64	68.7	74.6	77.1	76.9	71.3	76.5
median	85.9	85.3	84	80.9	73.6	67.2	64.3	68.7	75.9	81.9	83.3	84.8	79.7	83.9
max	90.1	90.8	89.8	88.6	87	85.9	85.3	87.4	87.5	89	89.8	90.5	90.8	90.8
min	11.4	11.6	5.8	5.6	5.9	4.7	4.4	5.2	8.6	16.2	0	5.6	0	0
Duff Moisture Code, DMC														
mean	29.9	28	20.3	14.6	6	2.5	1.6	2.4	5.3	10.5	16.9	22.2	13.3	20.3
median	25.4	21.1	15.8	9.4	3.9	1.4	1	1.9	4.4	9.4	14.7	19.6	7.8	15.4
max	100.2	133.3	85.6	87.9	90.3	17.9	8	10.9	20.2	38.6	58.1	84.2	133.3	133.3
min	0.4	0.4	0	0	0	0	0	0	0	0.2	1.1	0	0	0
Drought Code, DC														
mean	241.7	282.8	255.7	225.4	142.7	56.3	22.9	15.4	19.4	46.2	105.6	184.2	133.5	191.9
median	226.7	281.2	229.4	204.7	101.7	20.8	9	10.2	13.6	44.2	101.6	190.7	77.7	166.8
max	610.9	673.4	684.6	687	614.6	360.6	245.3	112.1	72.7	136.4	273.5	414.5	687	687
min	6.6	7.1	4.8	3.8	1.7	1.5	1	1	1.3	3.3	4.9	6.6	1	3.3
Initial Spread Index, ISI														
mean	5	4.3	3.8	2.8	1.9	1.4	1.3	1.7	2.4	3.5	4.2	4.4	3.1	4
median	5	4.3	3.5	2.5	1.6	1.1	1	1.4	2.1	3.3	3.9	4.4	2.4	3.8
max	29.9	18	23.6	14.4	10.8	9.7	10.3	11.4	13.7	14.9	19	19.9	29.9	29.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	43.9	43	32.6	23.8	9.9	3.9	2.3	3.2	6.1	13	23.3	32.9	19.8	30.3
median	38.2	34.7	26.5	16	6.3	2.4	1.5	2.4	5	11.9	21.2	30.2	11.4	23.6
max	131.4	178.4	128.7	128.7	132	29.1	12.4	13.4	23	45.2	75.6	106.8	178.4	178.4
min	0.6	0.7	0	0	0	0	0	0	0	0.4	1.4	0	0	0
Fire Weather Index, FWI														
mean	12	10.3	8.1	5.1	2.1	0.9	0.6	1	2	4.5	7.2	9.3	5.2	8.1
median	11	9.5	7	3.4	0.8	0.3	0.3	0.5	0.9	3.9	6.6	8.8	2.4	6.7
max	57.2	41.9	46.6	38	22.7	15.6	7.9	11.1	11.8	21.6	33.9	41.6	57.2	57.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	3	2.4	1.7	0.9	0.2	0.1	0	0.1	0.2	0.6	1.3	2	1	1.7
median	1.9	1.5	0.9	0.2	0	0	0	0	0	0.3	0.8	1.3	0.1	0.8
max	35.1	20.2	24.4	17	6.8	3.5	1.1	1.9	2.1	6.3	13.9	19.9	35.1	35.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	93.7	67.4	52.3	27.3	6.5	1.9	0.9	1.8	5.2	17.9	38.4	61.6	31.2	51.2
max	280.7	277	210.3	195.2	24.3	18.3	2.7	7.3	11.7	46.8	131.8	161	280.7	280.7
min	14.7	18.3	3	2.1	0.2	0.1	0.1	0.2	0.3	2.9	7.9	12.3	0.1	2.1
Cumulative Daily Severity Rating, CDSR														
mean													374.9	354.2
max													747.9	790.6
min													123.8	172.9

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Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	7.7	8.2	11.9	18.1	27	29.4	31	30.8	28.2	20.4	12.4	10.4	235.5	90.4
max	18	20	31	30	31	30	31	31	30	31	25	25	315	124
min	0	0	0	0	14	18	31	28	23	6	1	1	178	40
Moderate														
mean	13.7	14	14.9	10.2	4	0.6	0	0.2	1.8	10.4	15.7	14.8	100.3	92.9
max	22	24	25	20	17	12	0	3	7	25	25	21	139	124
min	2	2	0	0	0	0	0	0	0	0	5	6	46	63
High														
mean	6.7	4.4	3.3	1.2	0.1	0	0	0	0	0.1	1.6	4.9	22.4	22
max	16	16	18	14	2	0	0	0	0	2	11	17	55	63
min	0	0	0	0	0	0	0	0	0	0	0	0	3	5
Very High														
mean	2.2	1.1	0.6	0.3	0	0	0	0	0	0	0.2	0.8	5.2	5
max	11	10	6	4	0	0	0	0	0	0	2	7	22	23
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0.7	0.6	0.2	0.1	0	0	0	0	0	0	0.1	0.2	1.9	1.9
max	7	7	3	3	0	0	0	0	0	0	2	2	11	11
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	0.1	0.1
max	1	0	1	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 Northland (Whangarei)														
Curing%	70	80	70	50	40	40	40	40	45	50	60	65		
Low														
mean	2.3	2.2	3.1	4.9	8.8	11.3	11.9	9.2	6.5	3.6	2.8	3.6	70.1	22.8
max	8	7	9	10	15	20	21	17	13	8	8	9	97	35
min	0	0	0	0	2	2	3	3	1	0	0	0	44	6
Moderate														
mean	14.5	10.4	19.3	23.8	22	18.6	19	21.7	22.9	24.7	24.8	19.8	241.6	137.1
max	25	19	28	30	28	28	28	28	29	29	30	25	266	156
min	4	3	8	17	16	10	10	14	16	21	16	14	216	117
High														
mean	13.8	14.7	8.4	1.3	0.2	0.1	0.1	0.2	0.6	2.7	2.5	7.6	52.1	50.8
max	27	24	22	6	2	1	2	1	3	6	9	17	72	82
min	2	4	1	0	0	0	0	0	0	0	0	1	31	33
Very High														
mean	0.4	0.8	0.2	0	0	0	0	0	0	0	0	0.1	1.4	1.4
max	3	3	2	0	0	0	0	0	0	0	0	1	6	6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0	0.1	0	0	0	0	0	0	0	0	0	0	0.1	0.1
max	1	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
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	3.2	3.8	4.3	6	9.5	12.1	13.5	11.1	8.2	5.2	3.4	4.6	85	31
max	10	9	15	11	16	20	22	18	14	11	12	11	117	50
min	0	0	0	0	2	2	4	5	2	0	0	0	62	11
Moderate														
mean	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0
max	0	0	0	0	0	1	0	1	0	0	0	0	1	0
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	1.3	1.2	1.5	2.8	3.9	4.9	5.1	3.6	2.4	1.3	1.3	1.4	30.7	11
max	5	3	4	8	10	12	10	9	7	5	4	4	44	19
min	0	0	0	0	0	0	1	0	1	0	0	0	20	5
Very High														
mean	2	2.3	3.2	3.9	5.7	5.9	6.3	6.6	4.6	3.7	3.2	2.7	50.1	21.1
max	6	6	10	9	11	12	11	12	9	8	6	7	61	30
min	0	0	0	1	1	1	3	3	1	0	1	0	32	13
Extreme														
mean	5.6	6.8	9.3	10.6	9.1	5.7	5	7.5	9.7	9.9	8.7	6.5	94.3	57
max	11	13	16	21	16	12	12	14	18	15	18	13	120	70
min	0	1	5	3	2	1	1	3	3	4	3	2	65	29

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Very Extreme														
mean	19	14.2	12.7	6.7	2.9	1.4	1	2.2	5.1	10.9	13.3	15.8	105	92.1
max	29	23	26	20	7	8	4	6	9	19	24	25	130	122
min	8	4	3	2	0	0	0	0	0	4	4	7	68	65