

Station Name: Wanaka Aero Raws (WFA)

Period: 1994-03-11 - 2021-07-01

Length of record: 27 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	20.3	20.2	17.4	13.5	10	6.2	5.6	7.9	11.2	13.5	16	18.6	13.3	17
median	20.4	20.3	17.6	13.7	10	6	5.1	8	11	13.8	16	19	13	17
max	31.5	29	28	23	20	18.3	16	17	20	22	28	28	31.5	31.5
min	8	7.3	7	4	1	-2	-2.7	0	0.7	3	4	7.7	-2.7	3
Relative Humidity, %														
mean	43.7	45.3	51.5	59.9	70.2	77.8	76	67.8	56.2	52	47	44.6	57.8	49.2
median	41	43	50	59	71	79	77	68	55	50	44	42	55.1	47
max	98	99	99	98	100	100	100	100	99	94	93	97	100	99
min	11	12	17	26	24	30	28	29	20	18	13	13	11	11
Wind Speed, km/h														
mean	16.6	15.1	14.3	11.9	10.5	8.5	8.6	10.4	13.9	16	17	16.6	13.2	15.3
median	14.8	13	11.2	9.2	7.2	6	7	7	11	13	15	14.8	11	13
max	57	48	44	51	44.3	39	38.9	50	50	53	59.4	52	59.4	59.4
min	0	1.8	1.8	0	0	0	0	0	0	2	0	1.8	0	0
24-hr Rainfall, millimeters														
mean	1.7	1.4	1.6	1.5	1.9	2.1	1.6	1.8	1.7	1.6	1.9	2	1.7	1.7
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	44.4	61.4	88	61.9	82.6	77.5	79.4	83.5	74.8	40.4	88	94	94	94
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	49.1	41.6	48.9	45.9	58.5	63.4	48.9	53.1	52.9	50.8	53.3	64.3	52.6	50.6
max	125.8	127.8	119.2	161.9	185.8	142.8	159.4	267.2	148.8	108.4	246.4	227.3	267.2	246.4
min	5.2	5.8	11.4	8	14.2	4	6.4	4.8	5.4	7	2.6	12.6	2.6	2.6
Seasonal Rainfall, millimetres														
mean													630.7	354.1
max													1340	716.8
min													438.2	233
Fine Fuel Moisture Code, FFMC														
mean	83.7	83.3	80.1	76	67.6	60.9	65	68	75	77.1	80	81.4	74.7	80.2
median	88.6	88.4	86	83.1	75.5	68.9	71.9	75.2	82.4	84	86.4	87.8	81.8	86.2
max	95.6	96.4	94.5	91.4	90.3	89.7	87.2	89.5	92.6	92.7	94.9	96	96.4	96.4
min	15.8	16.7	6.6	12.8	3.9	1	4.2	9.1	7	17.8	12.6	7	1	6.6
Duff Moisture Code, DMC														
mean	40.2	44.1	34.1	21.8	8.7	3.1	1.9	3.5	9.5	16.3	25.6	34.4	20.1	30.8
median	33.9	38.6	28	18.4	6.3	1.6	1.3	2.9	8.4	14.2	20.6	29.8	12.5	25.1
max	152.4	121	118.8	91.2	53.4	25.4	13.3	18.2	28.8	55.8	99.2	144.7	152.4	152.4
min	4	3.8	1.5	0.4	0	0	0	0	0	0	0	1.5	0	0
Drought Code, DC														
mean	310.5	387.8	404.6	388.4	313.5	211.4	128.4	95.2	80.5	100.8	155.6	231.7	234.2	282.5
median	305.9	386.8	391	389.6	319.6	219.2	129.6	92	65.1	90.7	150.8	224.5	215.9	273.2
max	658.4	748.3	698.7	716.2	618.5	453.7	289	247.6	225.7	300	379.5	497.9	748.3	748.3
min	39.6	127.1	50.2	17.7	1.3	0.1	0	0.6	0.2	2.2	3.7	4.8	0	2.2
Initial Spread Index, ISI														
mean	9.3	8.1	5.9	3.5	2	1.1	1.3	1.9	3.7	5.1	7.2	7.9	4.7	6.7
median	6.9	6.1	4.2	2.6	1.2	0.8	0.9	1.3	2.6	3.5	5.1	6.1	2.6	4.7
max	77.9	48.9	47.7	30.7	32.2	13.4	17	24.2	62	43.8	59.1	56.4	77.9	77.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	58.4	66.7	54.3	37.3	15.7	5.7	3.3	5.6	13	21.6	34.1	48.2	30.1	45.6
median	52.5	59.7	47.3	32.4	11.9	3.1	2.4	4.5	10.9	19.3	29.7	43.2	19.8	38.5
max	186.9	172.3	164.6	138.4	87.9	43.7	22.7	28.1	41.7	59.2	116.9	167.6	186.9	186.9
min	7.5	7.3	2.9	0.8	0	0	0	0	0	0	0	1.8	0	0
Fire Weather Index, FWI														
mean	20.9	20.3	14.4	7.9	2.9	0.8	0.7	1.5	4.5	7.8	13.3	17	9.2	14.4
median	17.7	17.8	11.4	6	0.8	0.3	0.3	0.5	2.7	5.5	10.3	14.3	3.8	10.8
max	130.7	95	92	54.8	55.7	19.5	13.8	23.6	49	54.3	94.5	75.6	130.7	130.7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	8.5	7.8	4.6	1.8	0.5	0.1	0	0.2	0.7	1.8	4.2	6.1	3	4.9
median	4.4	4.4	2	0.6	0	0	0	0	0.2	0.6	1.7	3	0.3	1.8
max	151.4	86.1	81.4	32.5	33.5	5.2	2.8	7.3	26.7	32	85.4	57.5	151.4	151.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	271.1	223.1	148.4	51.7	15.3	2.1	1.5	4.9	22.3	54.5	129.7	181.8	92.2	151.5
max	773.4	491.6	399.8	169.4	104.4	12.5	6.5	21.7	56.5	153.6	455	375.7	773.4	773.4
min	44	45.2	22.9	2.4	0.3	0	0.1	0.1	1.3	12.8	8.7	30.3	0	2.4
Cumulative Daily Severity Rating, CDSR														
mean													1106.4	1057.6
max													1701.1	2031.1
min													372.2	308.4

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Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	5	4.7	7.8	12.5	25.6	29.3	30.9	29.3	20.5	15.5	8.7	7.3	197.3	61.3
max	18	16	23	29	31	30	31	31	30	27	26	20	267	118
min	0	0	1	0	11	24	30	24	6	3	1	0	159	38
Moderate														
mean	8.4	7.6	11.4	13.6	4.7	0.6	0.1	1.6	9	12.2	12.2	10	91.2	75.7
max	19	15	21	21	16	5	1	6	22	20	20	21	141	97
min	2	1	4	1	0	0	0	0	0	4	3	4	54	51
High														
mean	7	6.8	6	2.8	0.5	0.1	0	0.1	0.5	2.5	5.8	6.4	38.4	37.4
max	14	14	13	10	5	1	0	2	3	12	11	12	58	59
min	2	1	0	0	0	0	0	0	0	0	0	1	15	15
Very High														
mean	3.8	3.7	2.6	0.5	0.2	0	0	0	0	0.5	1.3	3.2	15.7	15.3
max	10	13	8	3	1	0	0	0	1	4	6	8	32	31
min	0	1	0	0	0	0	0	0	0	0	0	0	5	4
Extreme														
mean	4.3	3.5	2.4	0.4	0.1	0	0	0	0	0.3	1.3	3	15.5	15.4
max	10	11	9	2	2	0	0	0	0	3	6	13	25	36
min	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Very Extreme														
mean	2.4	2	0.8	0.1	0	0	0	0	0	0	0.7	1.1	7.2	7.1
max	11	7	6	1	1	0	0	0	0	0	7	6	19	22
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source Otago (Inland Otago)														
Curing%	80	90	80	60	50	50	60	70	60	40	40	70		
Low														
mean	1.2	1.4	2.2	4.8	8.7	11.3	11.5	7.2	5	4.3	3.2	2.4	63.2	19.4
max	3	4	6	18	16	20	21	16	12	9	15	8	87	50
min	0	0	0	0	2	2	4	0	0	0	0	0	42	10
Moderate														
mean	7.2	6.2	12	23	20.6	18.3	19.1	21.7	22.3	21.1	17.9	10.7	200	97.8
max	17	13	22	28	27	28	27	28	29	25	23	22	243	122
min	2	1	4	12	14	9	10	14	15	16	8	4	174	76
High														
mean	12.7	11.3	11.4	2.1	1.6	0.4	0.4	1.8	2.5	4.8	7.5	13.2	69.7	63.3
max	22	19	21	5	7	2	2	6	5	10	17	21	92	79
min	8	6	3	0	0	0	0	0	0	1	1	6	38	43
Very High														
mean	5.4	4.8	3.7	0.1	0.2	0	0	0.2	0.2	0.7	1.4	3.4	19.9	19.6
max	13	11	8	1	2	0	0	2	1	3	4	11	32	35
min	1	1	1	0	0	0	0	0	0	0	0	0	11	12
Extreme														
mean	4	3.9	1.6	0	0	0	0	0	0	0	0.1	1.3	11	11
max	8	9	5	0	0	0	0	1	1	0	1	4	18	19
min	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Very Extreme														
mean	0.5	0.7	0.2	0	0	0	0	0	0	0	0	0	1.3	1.3
max	2	3	1	0	0	0	0	0	0	0	0	0	6	6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scrub Fire Danger Class (SFDC) Frequency														
Low														
mean	2.2	2.2	3.3	4.7	8.6	10.7	9.2	8.3	4.9	4.8	3.2	3.1	65.1	23.3
max	5	7	8	16	16	20	16	17	12	11	15	10	89	49
min	0	0	0	0	2	2	2	1	0	0	0	0	43	16
Moderate														
mean	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0
max	0	0	0	0	0	1	1	0	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	1.5	2.4	3.2	7.3	10.4	11.5	7.2	3.4	2.9	2	2.1	55.2	15.1
max	4	5	8	9	16	16	20	14	7	7	5	6	69	26
min	0	0	0	0	2	3	5	1	1	0	0	0	40	5
Very High														
mean	1.7	1.3	2.3	4.6	6.4	5.3	5.4	6.3	3.6	3.2	1.9	1.9	43.9	16.7
max	5	5	8	12	17	13	11	12	8	7	5	4	65	31
min	0	0	0	1	1	0	1	1	0	1	0	0	25	9
Extreme														
mean	3.9	4.3	7.3	9.9	5.2	2.6	3.4	6.5	9.8	7.3	5.2	4.1	69.6	41.9
max	9	9	13	15	13	10	10	15	20	12	11	9	104	59
min	1	0	3	4	1	0	0	1	3	1	1	1	48	27

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Very Extreme														
mean	22	19	15.6	7.7	3.5	0.9	1.5	2.6	8.2	12.8	17.8	19.8	131.4	115.3
max	29	26	26	17	11	4	6	7	14	28	28	27	155	146
min	11	10	5	1	0	0	0	0	1	4	5	10	91	75