

Station Name: Queenstown Aero (QNA)

Period: 1979-01-01 - 2021-07-01

Length of record: 42 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
<b>Temperature, degrees Celsius</b>														
mean	18	17.7	15.6	12.6	9.2	5.9	5.2	7.5	10.2	12.4	14.6	16.7	12.1	15.4
median	18	18	15.5	12.7	9	5.8	5	7.2	10	12.1	14.7	16.9	12	15
max	29.2	28	27	23.3	19	17.6	15	17.7	22	24.2	25.6	27.5	29.2	29.2
min	6	5	0	0.8	-1.8	-4.7	-2.4	0	0	2	0	5	-4.7	0
<b>Relative Humidity, %</b>														
mean	53.7	55.7	59.7	62.4	69.1	73.3	71.7	65.9	59.8	56.7	53.4	53.8	61.3	56.5
median	53	55	60	62	70	73	72	65	59	55	52	53	61	56
max	100	96	98	98	100	100	100	100	100	99	100	100	100	100
min	17	14	21	18	27	30	32	26	12	23	20	18	12	14
<b>Wind Speed, km/h</b>														
mean	16.2	14.8	13	10.9	9.6	9.2	9.2	9.7	13.2	15.8	16.3	16.7	12.9	14.8
median	15	13	11.1	9.3	7.4	7.4	7.4	7.4	13	14.8	15	15	11.1	14.8
max	44.4	48	46	46.3	51.9	46	40.7	40	46.3	50	59.3	65	65	65
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>24-hr Rainfall, millimeters</b>														
mean	2.3	1.9	1.8	2	2.4	2.3	1.7	2	2	2.2	1.9	2	2	2
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	76.8	54.2	85.7	83.8	83.5	83.7	52	60.6	84.6	52	88	65.2	88	88
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Rainfall, millimetres</b>														
mean	69.6	55.6	55.9	60.8	73.7	69.3	52.9	61.1	59.1	66.9	56.3	61.8	61.9	61
max	205.8	140.4	169.5	239.1	205.5	192.5	122	223.5	143.4	177.6	228.6	130.7	239.1	239.1
min	2.2	5.2	15	10.6	10	7.2	1.8	7.8	6	4.8	5.6	9.2	1.8	2.2
<b>Seasonal Rainfall, millimetres</b>														
mean													743	426.5
max													1356.6	674.8
min													554	299
<b>Fine Fuel Moisture Code, FFMC</b>														
mean	78.6	78.7	76	72.7	65.3	61	64.8	66.9	72.1	74.2	78.1	77.6	72.1	76.5
median	84.9	85	83	81	72.2	66.6	72.6	74.3	79.7	81.7	84.5	84	79.7	83.4
max	93.9	94.6	92.9	92.7	89.1	89.1	87.6	88.5	94.7	90.8	93.5	93.6	94.7	94.6
min	10.6	10.2	8.1	14.1	3.6	0.8	5.4	7.9	4.7	12.1	12.4	14.1	0.8	8.1
<b>Duff Moisture Code, DMC</b>														
mean	23.3	24	18.1	11.9	5.3	1.9	1.7	3	7.2	11.4	19.3	21.9	12.4	18.5
median	18.5	20.7	15.6	9.7	4.1	1.2	1.2	2.4	6	10	16.9	18.4	8.5	15.1
max	102.7	93.5	72.6	39.4	28.5	20.7	12.9	12.9	27.3	46.7	66.1	92.7	102.7	102.7
min	1.4	1.1	0.5	0.2	0	0	0	0	0	0	0.2	1.3	0	0
<b>Drought Code, DC</b>														
mean	243.1	287.8	302.8	280.3	202.3	105.8	61.2	36.4	30.3	45.8	100.3	179.8	156.6	205.8
median	248	290.3	308.8	286.4	197.7	80.8	30.6	14.7	18.4	38.6	95.6	175	136	203.2
max	621.4	588.4	608.3	506.6	471.3	402.7	256.9	225.7	180.6	182.4	258.6	408.7	621.4	621.4
min	5.5	5	21	2.3	0.6	0	0	0.1	0	1.3	3.7	8.9	0	1.3
<b>Initial Spread Index, ISI</b>														
mean	5.3	4.8	3.6	2.5	1.5	1.1	1.3	1.6	2.7	3.6	4.7	4.9	3.1	4.2
median	4.3	3.9	2.8	2	1.1	0.8	1	1.2	2	2.8	3.8	4	1.9	3.2
max	27.8	45.1	26.6	26.9	14.6	15.5	18.3	14.3	30.6	25.3	26	56.1	56.1	56.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Buildup Index, BUI</b>														
mean	35.9	38.3	30.5	21	9.6	3.3	2.6	3.9	8.3	13.4	25	32.1	18.6	28
median	30.7	34.2	27.4	17.9	7.5	2.1	1.9	3	6.8	11.9	23	28.2	12.8	23.6
max	144.2	119.5	105.2	65.4	49.1	36.7	21.8	17.1	34.2	52.6	73.9	99.2	144.2	144.2
min	2.6	2.1	0.9	0.4	0	0	0	0	0	0	0.3	2.5	0	0
<b>Fire Weather Index, FWI</b>														
mean	11	10.5	7.2	4.3	1.6	0.6	0.6	1	2.7	4.6	8.1	9.7	5.1	7.9
median	8.8	8.8	5.2	2.9	0.6	0.3	0.3	0.4	1	3.2	6.9	7.8	1.9	5.8
max	63	63.5	47.8	33.4	19.9	16.4	11.9	11.4	34.4	29.1	42.6	54.9	63.5	63.5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daily Severity Rating, DSR</b>														
mean	3	2.6	1.5	0.7	0.1	0	0	0.1	0.3	0.7	1.6	2.4	1.1	1.8
median	1.3	1.3	0.5	0.2	0	0	0	0	0	0.2	0.8	1	0.1	0.6
max	41.6	42.2	25.6	13.6	5.4	3.9	2.2	2	14.3	10.6	20.8	32.6	42.2	42.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Severity Rating, MSR</b>														
mean	92.7	72.8	46.3	19.6	4.6	1.1	1	2.2	9.4	21.7	49.1	73.5	32.8	53.7
max	389.7	237.4	121.5	54.9	28.9	7	4.4	9	30.3	98.5	167.4	201.9	389.7	389.7
min	13.8	7.5	3.8	1.8	0.2	0	0	0.1	0.2	4.8	8.8	7.7	0	1.8
<b>Cumulative Daily Severity Rating, CDSR</b>														
mean													393.8	376.5
max													706.9	844.4
min													186.3	117.6

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
<b>Forest Fire Danger Class (FFDC) Frequency</b>														
<b>Low</b>														
mean	10.1	9.1	14.5	19.5	28.8	29.7	31	30.6	25.9	21	12	11.3	243.5	97.3
max	22	23	29	29	31	30	31	31	30	31	26	26	283	149
min	0	0	2	6	17	26	30	28	14	2	1	2	198	56
<b>Moderate</b>														
mean	13	12.9	12.8	9.7	2.2	0.3	0	0.4	4	9.5	14.9	13.7	93.5	86.7
max	20	22	24	23	12	4	1	3	15	20	23	23	125	113
min	3	5	2	1	0	0	0	0	0	0	4	5	60	61
<b>High</b>														
mean	5	3.8	2.8	0.6	0	0	0	0	0.1	0.6	2.6	4.3	19.8	19.8
max	15	12	11	3	2	0	0	0	3	10	10	14	42	42
min	0	0	0	0	0	0	0	0	0	0	0	0	6	3
<b>Very High</b>														
mean	1.5	1.6	0.7	0.2	0	0	0	0	0	0	0.4	1	5.4	5.4
max	7	10	3	2	0	0	0	0	1	0	4	6	18	18
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Extreme</b>														
mean	1	0.6	0.2	0	0	0	0	0	0	0	0.1	0.6	2.6	2.6
max	11	8	1	0	0	0	0	0	0	0	3	5	12	16
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Very Extreme</b>														
mean	0.3	0.1	0	0	0	0	0	0	0	0	0	0.1	0.5	0.5
max	4	2	1	0	0	0	0	0	0	0	0	2	4	4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Grass Fire Danger Class (GFDC) Frequency</b>														
<b>Curing source</b> Otago (Inland Otago)														
Curing%	80	90	80	60	50	50	60	70	60	40	40	70		
<b>Low</b>														
mean	2.4	1.8	3.3	6.5	10.3	11.9	11.5	7.9	6.5	5.2	3.2	2.9	73.4	25.4
max	8	6	9	19	19	23	23	17	17	12	10	8	103	41
min	0	0	0	0	2	3	3	1	1	0	0	0	55	15
<b>Moderate</b>														
mean	12.2	10.6	17.8	22.3	20	17.9	19.3	21.7	22.1	22.7	21.9	16.7	225.2	124
max	23	18	26	30	29	27	27	28	29	27	27	26	268	150
min	2	3	8	10	12	7	8	13	13	16	14	7	195	100
<b>High</b>														
mean	12.4	11.5	8.5	1.1	0.7	0.2	0.3	1.3	1.4	3.1	4.7	9.9	55	51.2
max	21	18	17	4	4	1	2	6	5	12	15	19	82	74
min	6	5	2	0	0	0	0	0	0	0	0	3	32	26
<b>Very High</b>														
mean	3	3.1	1.1	0	0	0	0	0	0	0	0.1	1.5	9	9
max	12	9	5	1	0	0	0	1	1	1	1	4	18	21
min	0	0	0	0	0	0	0	0	0	0	0	0	3	2
<b>Extreme</b>														
mean	1	1.2	0.3	0	0	0	0	0	0	0	0	0.1	2.6	2.6
max	7	4	2	0	0	0	0	0	0	0	0	3	7	7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Very Extreme</b>														
mean	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1
max	0	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
<b>Scrub Fire Danger Class (SFDC) Frequency</b>														
<b>Low</b>														
mean	3.7	3.6	4.7	6.1	10	11.7	9.7	9	6.4	6.1	3.8	4.1	78.8	32.3
max	9	11	9	17	18	24	21	19	16	15	9	11	102	50
min	0	0	0	1	2	3	1	2	0	0	0	0	57	20
<b>Moderate</b>														
mean	0	0	0	0.1	0.2	0.1	0.1	0.2	0	0	0	0	0.9	0.1
max	0	0	1	3	2	1	2	2	1	0	0	0	5	3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>High</b>														
mean	1.7	2	3.8	4.6	7.1	9.1	8.4	7.3	4	2.7	1.7	2.4	54.9	18.8
max	4	5	8	11	16	18	18	13	9	7	5	7	74	31
min	0	0	0	1	1	0	1	2	0	0	0	0	37	7
<b>Very High</b>														
mean	3	2.6	3.5	5	6.8	5.5	7.6	7.2	5	3.5	3.2	3.1	56	23.7
max	7	6	8	12	16	15	20	17	12	8	7	8	75	34
min	0	0	1	1	1	0	2	1	0	0	0	0	36	13
<b>Extreme</b>														
mean	6.9	7.4	9.8	9.6	5.1	2.7	4.2	5.3	9	8.5	7.8	7	83.2	56.8
max	14	16	15	18	13	9	10	11	24	14	13	18	114	71
min	1	3	2	2	0	0	0	0	0	2	1	2	59	37

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
<b>Very Extreme</b>														
mean	15.8	12.7	9.2	4.5	1.9	0.9	1	2	5.6	10.2	13.5	14.5	91.7	80.5
max	28	24	20	10	6	6	5	7	13	24	27	25	123	123
min	6	4	1	0	0	0	0	0	0	3	5	4	57	45