

Station Name: Hawea Flat Raws (Hawea_Flat)

Period: 2017-05-18 - 2021-07-01

Length of record: 4 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	22.4	20.4	18.3	14	10.4	6.3	6.9	9.1	11.9	15	18	19.7	14.1	18.3
median	22.4	21.1	18.6	13.9	10.3	5.9	6.6	8.9	12.1	14.9	18.4	20	14.2	18.1
max	32.4	27.9	25.9	21.6	20.5	17.4	15.2	17.8	19.4	25.2	27.3	28.8	32.4	32.4
min	10.5	7.8	5.1	5.3	2.2	0	0.3	3.1	1.4	6.5	4.8	8.4	0	4.8
Relative Humidity, %														
mean	46.7	51.7	58.1	61.6	76.9	85.2	81.5	72.1	58	53.2	51.1	50.1	62.9	53.2
median	45	50	58	61	77.5	89	83	72	56	50	47	47	60	51
max	93	99	95	99	100	100	100	100	96	93	92	94	100	99
min	20	22	21	30	41	45	47	37	31	33	20	21	20	20
Wind Speed, km/h														
mean	15.7	13	11.4	12	8.6	6.6	7.3	8.9	13.2	14.4	14.5	14.3	11.5	13.6
median	12	8.6	6.8	7.2	5	4.3	4.7	5.2	9.2	11.2	10.6	11	7.6	9
max	42.5	44.3	35.3	38.9	34.9	33.5	29.9	35.3	37.8	42.1	41	34.6	44.3	44.3
min	2.5	3.2	2.5	1.1	0	0	0	1.4	1.8	1.4	3.2	2.5	0	1.1
24-hr Rainfall, millimeters														
mean	1.5	2.7	1.8	2.3	2	1.3	2.5	1.2	2.3	1.2	2.2	2.3	1.9	2
median	0	0	0	0	0	0	0.2	0	0	0	0	0	0	0
max	25.6	78.4	36.2	41.2	29	32.6	40.2	20.2	41.8	23.8	32.2	39.6	78.4	78.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	26.8	92.3	64.8	75.9	70.7	34.2	82.1	22.9	74.1	49.7	68.5	86.7	62.4	66.4
max	50.2	152.2	100.4	92.8	97.4	66.8	95.8	28.4	127.8	59	102.8	185	185	185
min	3.8	31	27.4	49.4	25.6	17.2	67.8	12.4	0	43.4	21.8	34.4	0	3.8
Seasonal Rainfall, millimetres														
mean													748.8	422.6
max													811.8	522
min													625	317.4
Fine Fuel Moisture Code, FFMC														
mean	83.9	79.4	77.3	73.4	63.9	57.4	55.8	65.6	73.4	78.2	77.7	78.8	71.6	78.4
median	88.8	87.6	84	81	73.6	62	58.9	73.2	83	84.8	86.1	86.2	79.8	85.2
max	95.2	93.3	92.4	90.7	87.5	87	80.8	88	89.2	90.4	94	93.5	95.2	95.2
min	24.4	11.4	10.7	9.8	2.8	2.3	3.9	9.1	12.9	19.8	21.1	7	2.3	7
Duff Moisture Code, DMC														
mean	53.7	32.4	19.5	14.9	6.8	3.3	1	3.6	9.8	19.7	23.1	29.8	17.7	27.6
median	36.3	30.9	19.2	10.9	5.1	2	0.8	3.1	7.8	13.9	20.3	24.7	10	21.1
max	145	105	55.5	52.6	23.7	12.4	2.8	10.3	36.9	56.2	59.5	87.1	145	145
min	3.7	5.6	4.2	2.4	0	0	0	0	1.1	4.2	1.6	0.7	0	0.7
Drought Code, DC														
mean	305.7	297.9	325.9	291.7	186	119.3	26.1	15.2	21.3	61.6	110.7	184.2	160.7	224.7
median	262.3	292.2	325.8	281.8	146.5	48.9	9.2	11.6	14.9	59.3	110.6	206.8	127.2	240.3
max	663.2	444.7	476.3	480.5	376.3	299.5	193.1	49.3	73.8	142.7	214.6	408	663.2	663.2
min	49.8	137.1	233.1	132.1	21.5	23.2	0.4	0.3	0	5	7.4	5.2	0	5
Initial Spread Index, ISI														
mean	9	6.2	3.9	3.6	1.4	0.9	0.7	1.8	3.6	5.3	5.6	6.3	3.9	5.7
median	6.6	4.4	2.6	2	1	0.6	0.5	1.1	2.3	3.7	4	4.3	1.9	3.6
max	67.9	36.9	25.7	33.5	7.3	8.8	5.1	19.1	21.8	37.3	25.5	24.2	67.9	67.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	70.5	48.8	33.5	25.8	11.3	5.7	1.4	4.4	9.9	21.5	29.4	41.7	24.7	38.7
median	50.7	49.4	33.4	19.6	9.5	3.5	1.3	3.6	7.9	17	27	38.2	14.6	32
max	187.5	111.4	82	82.7	40.9	22.5	3.7	13.6	36.8	56.1	67.6	113.6	187.5	187.5
min	7.1	10.5	8.1	4.6	0	0	0	0	0.7	3.9	3.1	1	0	1
Fire Weather Index, FWI														
mean	21.9	14.1	8	6.2	1.6	0.7	0.2	1.3	4.1	8.1	10	13.8	7.3	11.7
median	18.2	13.1	6.2	3	0.6	0.2	0.1	0.4	2	5.1	7.4	9.7	2.2	7.9
max	121.8	56.6	41	51.6	12.1	13.4	3.3	19.2	27.8	41.4	41	55.2	121.8	121.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	9.4	4.4	1.8	1.5	0.1	0.1	0	0.1	0.7	1.8	2.5	4.6	2.2	3.7
median	4.6	2.6	0.7	0.2	0	0	0	0	0.1	0.5	0.9	1.5	0.1	1.1
max	133.7	34.4	19.5	29.2	2.2	2.7	0.2	5.1	9.8	19.8	19.5	32.9	133.7	133.7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	364.7	123	56.2	29.7	3.5	2.9	0.2	4.5	27.3	33.4	78.3	82.2	67.2	109.6
max	669.4	141.5	67.6	56.1	6.9	8.5	0.3	9.5	64.4	40.5	134.1	154.6	669.4	669.4
min	201.7	106.4	44.8	5.2	1.7	0.1	0.1	2	7	26.6	22.4	18.8	0.1	5.2
Cumulative Daily Severity Rating, CDSR														
mean													805.9	791.7
max													1024.7	1405.1
min													595	517.9

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Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	2.3	7.7	13.7	19.7	29.7	28.3	31	30.3	21.7	20.3	13	15.3	233	80
max	5	14	18	28	31	30	31	31	27	23	24	25	258	113
min	0	4	11	15	27	25	31	29	13	17	3	5	201	55
Moderate														
mean	7.7	12	12.3	8.7	1.3	1.7	0	0.7	6.7	9.7	11.7	8.7	81	77.8
max	10	17	15	12	4	5	0	2	12	13	17	12	105	95
min	3	6	8	2	0	0	0	0	3	7	5	5	55	61
High														
mean	7.7	4.3	3.3	1.7	0	0	0	0	1.7	1	3	3.3	26	27.8
max	11	5	6	3	0	0	0	0	5	1	5	6	35	36
min	4	4	1	0	0	0	0	0	0	1	1	1	20	18
Very High														
mean	5	2.3	1	0	0	0	0	0	0	0	1.7	2	12	12.5
max	8	4	2	0	0	0	0	0	0	0	3	5	13	20
min	3	1	0	0	0	0	0	0	0	0	0	0	10	7
Extreme														
mean	4.3	1.7	0.7	0	0	0	0	0	0	0	0.7	1.7	9	10.2
max	7	2	2	0	0	0	0	0	0	0	2	3	10	19
min	2	1	0	0	0	0	0	0	0	0	0	0	8	4
Very Extreme														
mean	4	0.3	0	0	0	0	0	0	0	0	0	0	4.3	4
max	9	1	0	0	0	0	0	0	0	0	0	0	9	11
min	1	0	0	0	0	0	0	0	0	0	0	0	1	1
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	0.7	3	4	5.3	9.7	13.7	19	8	5.7	5.3	4.7	4.7	83.7	24.8
max	1	6	6	6	16	15	21	14	10	6	7	10	103	31
min	0	0	2	4	4	12	17	4	0	4	2	1	72	21
Moderate														
mean	4.3	9.7	20.3	21.7	20.3	15.7	12	20.3	19.7	20.7	18.3	16.7	199.7	111.2
max	8	12	22	24	24	18	14	25	22	21	20	21	215	125
min	2	8	18	18	15	14	10	14	17	20	16	13	184	96
High														
mean	16.3	10	3	2.7	1	0.7	0	2.3	4.7	4.3	6.3	6.3	57.7	52.2
max	20	12	5	5	3	2	0	3	8	5	8	10	70	60
min	12	8	1	1	0	0	0	1	3	4	4	4	50	39
Very High														
mean	3.3	2	2.7	0.3	0	0	0	0.3	0	0.7	0.7	3.3	13.3	14.5
max	4	2	5	1	0	0	0	1	0	2	1	5	16	20
min	3	2	1	0	0	0	0	0	0	0	0	1	9	9
Extreme														
mean	6	3	1	0	0	0	0	0	0	0	0	0	10	8.8
max	7	4	2	0	0	0	0	0	0	0	0	0	12	12
min	5	2	0	0	0	0	0	0	0	0	0	0	7	4
Very Extreme														
mean	0.3	0.7	0	0	0	0	0	0	0	0	0	0	1	0.8
max	1	1	0	0	0	0	0	0	0	0	0	0	2	2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scrub Fire Danger Class (SFDC) Frequency														
Low														
mean	1	4.3	4.7	6	9.3	11.7	14.3	8.3	5	5.3	5.7	5.3	81	28.5
max	2	8	6	7	16	12	15	14	8	6	8	11	100	37
min	0	1	3	5	3	11	13	5	0	4	2	2	64	23
Moderate														
mean	0	0	0	0	0	0.3	0	0	0	0	0	0	0.3	0
max	0	0	0	0	0	1	0	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	2.3	3.3	5	9	12.7	11.7	6.3	2.3	3	2.3	4	63	19.2
max	3	4	4	7	12	16	13	9	6	4	6	6	66	30
min	0	0	3	1	5	9	10	4	0	2	0	2	59	13
Very High														
mean	1	2	5.3	6.7	5.7	2	3.7	9	5.7	3	2	3.3	49.3	21.8
max	1	3	7	10	8	3	5	13	10	4	4	5	54	27
min	1	1	4	4	4	0	3	3	0	2	1	2	43	18
Extreme														
mean	3	5.3	11	5.3	4.7	1.7	1	4	8.7	10.3	6.3	6.3	67.7	48.5
max	5	10	13	7	5	2	3	6	15	12	8	8	71	61
min	1	0	7	4	4	1	0	2	4	8	4	5	63	32

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Very Extreme														
mean	25	14.3	6.7	7	2.3	1.7	0.3	3.3	8.3	9.3	13.7	12	104	94.2
max	28	15	7	12	4	5	1	4	15	11	19	18	119	126
min	20	14	6	2	1	0	0	3	5	8	8	8	95	69