

Station Name: Hamilton Aero (HNA)

Period: 1991-10-01 - 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	22.3	22.9	21	18.2	15.1	12.4	11.8	12.7	14.6	16.4	18.1	20.4	17.2	19.9
median	22.3	23	21	18	15	13	12	13	15	16.5	18	20.7	17	20
max	28.2	29	27.2	26.1	23.4	20	18	18	20.6	22	25.9	28	29	29
min	15	15	13	11	5	3	3.4	5	7.5	6	11	13	3	6
Relative Humidity, %														
mean	61.4	60.5	62.6	70.2	78.7	81.6	80	75.8	71.1	67.8	65	65	70	64.7
median	60	59	61.5	69	78	81	79	74	70	66	63	63	69	63
max	99	100	99	100	100	100	100	100	100	99	99	98	100	100
min	26	31	26	42	44	53	49	41	44	27	34	28	26	26
Wind Speed, km/h														
mean	14.6	13.1	13.6	12.5	12.5	12.9	13.3	14.5	16.9	18.6	17.8	16	14.7	15.2
median	13	11	13	11	11	11.1	13	13	16.7	18.5	17	15	13	13
max	40.7	44	46	44.4	48	44	43	46.4	50	51.9	44	43	51.9	51.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24-hr Rainfall, millimeters														
mean	2.5	2.6	2.7	3.6	3.9	4.4	4.6	4.1	3.6	3.3	3.1	3.2	3.5	3
median	0	0	0	0	0.2	0.4	0.4	0.6	0.2	0.2	0	0	0	0
max	110.6	81.8	85.5	80.1	81.1	78.3	81.4	77.9	56	65	75.6	74.6	110.6	110.6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	76.3	73.8	82.4	107.4	122.2	131.5	143	127.7	107.3	102.1	89.3	102.5	105.5	90.5
max	224	344	219.8	404	305.9	278.7	326.2	289.9	197	203.8	198.4	209.6	404	404
min	7	9.4	6	19.8	45.8	14.8	28.4	36.4	27.6	39.6	16	18	6	6
Seasonal Rainfall, millimetres														
mean													1265.5	633
max													2345.4	1120
min													853.2	344.2
Fine Fuel Moisture Code, FFMC														
mean	78.6	79.3	77.7	70.7	61.2	55.8	55.1	58.2	66.2	70.3	73.8	74.6	68.5	75
median	85.2	85.6	84.8	79.1	68.2	59.9	58.2	63.4	72.6	76.5	81.1	82.7	76.7	82.7
max	92.3	91.1	92.8	88.6	86.4	84.1	85.7	85.7	86.9	89.4	90.5	90.8	92.8	92.8
min	6.9	4.3	10.4	3.6	6.2	3	0	0.5	7.3	9	14.4	11.3	0	3.6
Duff Moisture Code, DMC														
mean	23.3	29.8	23.4	11.2	3.8	1.3	1.1	1.7	4	6.6	11.7	15.9	11.1	17.3
median	18.9	24.5	16.8	8.1	2.3	0.8	0.7	1.1	3.3	5.7	10	13.2	5.8	12.3
max	83.4	135.6	115.2	107.4	19.6	9.6	10.6	10.5	17.9	25.1	49.6	57.2	135.6	135.6
min	1.2	0.3	0.8	0	0	0	0	0	0	0	0.1	0.4	0	0
Drought Code, DC														
mean	196.6	271.9	274.6	217	134.5	55.4	14.6	10.2	14	29.7	69.6	120.9	117.4	167.5
median	202	289.4	252.9	186.6	120.6	15.5	7.2	6.4	10.9	26.5	66.1	119.1	61.6	127
max	496.9	663	693.4	684.9	444.8	428.3	180.2	76.8	76	102.5	230.9	329.9	693.4	693.4
min	6.8	6.1	4.6	3	1.1	0.6	0.8	0.7	1.1	2	5.1	6.1	0.6	2
Initial Spread Index, ISI														
mean	4.3	4.2	3.8	2.3	1.3	1	1	1.3	2	2.8	3.4	3.6	2.6	3.5
median	3.9	3.9	3.5	1.9	1	0.7	0.7	0.9	1.6	2.3	3	3.2	1.9	3
max	24.2	17.9	18.2	17.4	9.1	11.1	14.4	20	12	13.7	16.2	14.9	24.2	24.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	34.5	45	36.7	18.7	6.7	2.2	1.6	2.2	4.6	8.2	15.9	23	16.6	25.8
median	28.9	39.2	26.9	13.9	4.3	1.3	1	1.4	3.7	7.1	14	20	8.5	18.6
max	116	179.5	155.2	154.3	34.4	16.6	14.2	12.5	20.8	27.1	64.5	79.8	179.5	179.5
min	2	0.6	1.3	0	0	0	0	0	0	0	0.2	0.7	0	0
Fire Weather Index, FWI														
mean	9.3	10.6	8.6	3.8	1.2	0.5	0.5	0.6	1.4	2.7	4.8	6.3	4.2	6.6
median	7.9	9.4	6.6	2	0.4	0.2	0.2	0.3	0.6	1.7	3.8	5.3	1.1	4.6
max	51.8	45	50.4	30.1	15.8	11.9	12.8	13.8	10.1	16.8	26.1	30.3	51.8	51.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	2.1	2.6	1.9	0.5	0.1	0	0	0	0.1	0.3	0.7	1.1	0.8	1.3
median	1	1.4	0.8	0.1	0	0	0	0	0	0.1	0.3	0.5	0	0.4
max	29.4	23	28.1	11.2	3.6	2.2	2.5	2.8	1.6	4	8.7	11.4	29.4	29.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	66.7	73.4	60.6	16.8	3	0.8	0.8	1.1	3.1	8.8	20.7	33.5	24.1	40.1
max	264.3	304.2	269.8	56.1	11.5	7	8.5	5.8	8.8	28.2	52.7	84.4	304.2	304.2
min	11	3.2	10.5	0.8	0.1	0	0	0.1	0.2	2.2	5.1	2.9	0	0.8
Cumulative Daily Severity Rating, CDSR														
mean													289.2	279
max													751.7	810.8
min													94.6	105.8

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	10.7	8.8	12.3	20.7	29.4	29.9	30.9	30.9	29.5	27.3	18.4	15.7	264.6	114.2
max	22	28	26	30	31	30	31	31	30	31	29	31	310	153
min	0	0	0	4	21	26	27	30	25	16	2	3	214	69
Moderate														
mean	14	12.5	13.7	8.4	1.6	0.1	0.1	0.1	0.5	3.7	11.1	13.3	79.2	76.5
max	20	21	22	21	10	4	4	1	5	15	26	22	114	110
min	6	1	3	0	0	0	0	0	0	0	1	0	49	55
High														
mean	4.8	4.7	3.3	0.8	0	0	0	0	0	0	0.4	1.7	15.8	16.1
max	13	14	16	5	0	0	0	0	0	0	2	8	45	45
min	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Very High														
mean	0.9	1.4	1.1	0.1	0	0	0	0	0	0	0	0.3	3.8	3.7
max	9	7	7	1	0	0	0	0	0	0	1	3	18	19
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0.4	0.7	0.4	0	0	0	0	0	0	0	0	0	1.6	1.6
max	5	9	4	0	0	0	0	0	0	0	0	0	15	15
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	0.2	0.2
max	2	1	2	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
Grass Fire Danger Class (GFDC) Frequency														
Curing sources (Hauraki/Matamata Piako/Waikato)														
Curing%	70	70	60	40	40	40	40	40	40	40	40	60		
Low														
mean	2.5	2.1	3.5	6.7	12.4	15.3	16.1	13.6	7.9	5.7	4	4.9	94.6	29.5
max	7	8	9	15	21	24	27	26	16	12	11	12	148	48
min	0	0	0	1	6	9	9	3	2	2	0	0	76	12
Moderate														
mean	18.1	17.6	25.4	22.6	18.4	14.6	14.8	17.2	21.6	24	24.3	24.2	242.9	155.7
max	24	26	31	28	25	21	22	28	26	29	29	30	266	177
min	7	5	21	15	10	6	4	5	14	18	18	18	206	132
High														
mean	9.9	8.2	2.1	0.7	0.2	0.1	0.1	0.2	0.4	1.3	1.7	2	27	26.2
max	22	22	7	4	2	2	2	3	3	5	5	6	50	54
min	2	1	0	0	0	0	0	0	0	0	0	0	9	4
Very High														
mean	0.4	0.4	0	0	0	0	0	0	0	0	0	0	0.8	0.8
max	4	3	0	0	0	0	0	0	0	0	0	0	4	4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	1	0	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	3.5	2.9	4.4	7.1	12.9	15	16.3	14.4	10	7.6	5.5	5.8	105.1	36.8
max	8	11	10	16	20	24	28	26	20	15	13	14	155	56
min	0	0	0	1	4	6	8	5	2	3	1	0	81	18
Moderate														
mean	0	0	0	0	0	0	0.1	0	0	0	0	0	0.1	0
max	0	0	0	0	0	0	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	2	2.2	1.7	3.6	6.3	6.5	5.8	5	3.4	2.2	1.8	1.6	42.2	15.2
max	6	7	6	10	16	15	19	12	10	6	6	4	58	24
min	0	0	0	0	1	1	1	2	1	0	0	0	24	6
Very High														
mean	3.3	2.4	2.5	5.1	5.3	4.2	4.7	5.5	4.8	4.5	3.2	3.4	49	24.4
max	6	6	8	13	12	10	12	12	9	7	8	7	63	34
min	1	0	0	1	1	0	1	1	0	0	0	1	28	11
Extreme														
mean	8.5	8.2	11.3	10	5.3	3.3	3.2	4.9	8.6	10.3	10.5	10.2	94.3	68.5
max	16	16	21	15	13	9	8	11	14	15	17	15	124	88
min	4	2	3	2	1	0	0	0	2	5	5	4	73	50

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Very Extreme														
mean	13.7	12.5	11.1	4.3	1.3	0.9	0.9	1.3	3.2	6.4	9	10	74.6	67.4
max	25	25	25	14	4	4	7	6	7	15	18	19	107	108
min	2	3	3	0	0	0	0	0	0	0	4	2	37	41