

Station Name: Hanmer Forest Ews (HAN)

Period: 1996-07-16 - 2021-07-01

Length of record: 24 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	21.1	21.3	18.9	15.3	12.1	8.2	7.8	9.9	13.1	15.2	17.1	19.4	14.9	18.3
median	21.5	21.9	19.5	15.5	11.8	7.6	7.3	9.8	13.7	15.6	17.4	19.6	14.9	18.5
max	35.4	34.3	31.8	26.2	24.7	19.6	18.1	21.4	23.9	28	29.9	31.1	35.4	35.4
min	7.1	8	5.1	0.4	0.9	-3.2	-1.2	-2	0.2	2.6	3.6	3.6	-3.2	0.4
Relative Humidity, %														
mean	50.6	50.4	53.9	59.6	65	73.4	70.3	62.1	53.1	52.3	51.6	52	57.9	52.9
median	45	45	50	55	62	74	71	60	47	46	46.6	48	54	48
max	100	100	100	100	100	100	100	100	100	98.6	98	98	100	100
min	11	12.1	12	19.9	30	27	25	25	17	15	12	16	11	11
Wind Speed, km/h														
mean	9.9	8.9	8.1	6.8	6.5	5.3	5.8	6.8	9.8	11.1	11.3	10.6	8.4	9.5
median	8	6.8	5.8	4.7	4	3.6	4	4.6	6.9	9	9.2	8.7	6	7.2
max	53.1	44.7	45.3	39	54.4	63.1	44	53.6	42.9	55.5	52	46.8	63.1	55.5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24-hr Rainfall, millimeters														
mean	2.2	1.9	2.4	2.5	2.9	3.3	3.2	2.9	2.5	3	2.3	2.1	2.6	2.4
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	102.8	61.2	95.8	66	110.4	110.6	125.8	141.2	120.2	54.6	58.6	50.4	141.2	102.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	70.4	55.9	76.8	76.3	84	93.4	95.8	91.5	78	94.4	70.3	64.7	79.3	72.7
max	221.6	158.2	197.8	229.4	296	199.2	276.4	291.6	279.6	204	198.8	133	296	229.4
min	2.6	12.8	9.8	17.6	5.8	36.2	35.8	12	10.4	27.4	11.6	24	2.6	2.6
Seasonal Rainfall, millimetres														
mean													951.4	500.2
max													1258	700.6
min													582	301.6
Fine Fuel Moisture Code, FFMC														
mean	78.4	79.3	76.1	70	63.6	54.1	54.5	64.4	71.1	71.1	75.5	76.9	69.6	75.3
median	87.3	87.6	86	81.7	74.3	59	60.8	75.1	81.8	80.9	84.8	85.3	80.9	85.3
max	97.2	96.5	95.6	93.8	90.8	90.1	90.7	91.1	93.2	95.3	95.9	95.7	97.2	97.2
min	6.3	3.1	2.5	1.5	0	0.7	0	2.2	0	1.3	5.4	10.9	0	1.3
Duff Moisture Code, DMC														
mean	31.9	40.9	29.6	16.8	10	3.3	2.2	5.3	11.4	12.7	20.7	26.8	17.5	25.5
median	25	33.8	23.8	14.1	6.8	2	1.5	4.2	9.8	10.9	18.2	22.7	11.4	19.7
max	136.2	154.2	104.8	59.7	56.9	29.3	13.4	24.9	47.2	51.5	72.4	131.1	154.2	154.2
min	0.1	1	0	0	0	0	0	0	0	0	0.2	1.3	0	0
Drought Code, DC														
mean	241	326.4	312.4	250.8	183.4	90.5	44.8	29	33.7	42.1	89.1	168.1	150.2	203
median	242.1	326.3	331.8	233.1	136	29.8	9.7	12.7	22	34.4	82.6	164.3	105.3	178.8
max	513.5	595.6	641.2	571.2	587.3	398.8	250.7	171.8	156	179.1	226.5	395.5	641.2	641.2
min	5.6	60.8	3.5	1.8	0	0	0	0	0	1.4	3.7	5.1	0	1.4
Initial Spread Index, ISI														
mean	5.6	5.4	4.4	2.8	2.1	1	1.2	2	3.5	4	4.7	4.8	3.4	4.5
median	4.5	4.3	3.4	1.9	1	0.5	0.5	1.1	2.1	2.3	3.3	3.7	1.9	3.3
max	40	37.9	41.8	37.4	48.6	20.2	23.4	36.5	33	55.2	38.6	52.8	55.2	55.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	45.8	59.4	45.8	27.5	16.2	5.3	2.9	6.1	12.3	14.2	25.2	36.9	24.7	36.2
median	38.5	52.2	40.5	23.6	11.3	3	2.1	4.9	11.1	12.4	22.7	32.9	15.7	28.9
max	153.9	180.7	135.7	88	88.4	47.8	15.3	29.8	47.1	51.3	80.5	132.4	180.7	180.7
min	0.2	1.9	0	0	0	0	0	0	0	0	0.3	2.4	0	0
Fire Weather Index, FWI														
mean	13	14.3	10.7	5.6	3.1	0.9	0.8	1.7	4.4	5.1	8.1	10.2	6.5	9.6
median	10.5	11.9	8.4	3.1	0.7	0.2	0.2	0.5	1.9	2.6	6	8	2.2	6.7
max	60.6	67.1	78.9	51.3	43	19.5	17	22.4	33.6	44.8	50.1	72.5	78.9	78.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	4	4.7	3	1.1	0.5	0.1	0.1	0.2	0.8	1	1.9	2.8	1.7	2.6
median	1.7	2.2	1.2	0.2	0	0	0	0	0.1	0.1	0.6	1.1	0.1	0.8
max	38.9	46.5	61.9	28.9	21.2	5.2	4.1	6.7	13.7	22.8	27.7	53.4	61.9	61.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	126.3	132.7	91.8	33	15.8	2.8	2.1	5.8	22.6	29.2	52.8	85	50	78.7
max	346.6	374.6	269.5	112.8	50.6	17.9	6.9	25.5	71.2	67.8	126	291.2	374.6	374.6
min	19.7	9	7.8	3.6	0.1	0	0	0.1	2	2	17.2	10	0	2
Cumulative Daily Severity Rating, CDSR														
mean													599.9	554
max													1190.6	1179.2
min													349.9	200.6

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Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	9.4	8.2	11.5	17.7	24.4	29	30.5	29	20.9	20.5	14.1	12.5	227.7	92.8
max	20	24	23	28	31	30	31	31	30	31	22	26	266	130
min	1	2	3	5	7	20	27	20	7	9	3	5	175	48
Moderate														
mean	10.5	9.7	11.3	10.1	5.9	1	0.5	2	8.5	9.5	11.8	11.2	91.8	74.7
max	15	19	18	19	21	9	4	11	19	18	19	18	136	94
min	3	3	5	2	0	0	0	0	0	0	7	5	70	57
High														
mean	6	5.1	5	1.6	0.7	0.1	0	0	0.6	0.8	3.2	4.6	27.8	26.9
max	12	13	11	8	3	1	0	0	5	5	9	12	48	45
min	0	0	0	0	0	0	0	0	0	0	0	0	13	5
Very High														
mean	2.5	2.1	1.7	0.4	0.1	0	0	0	0	0.1	0.7	1.6	9.2	9.2
max	7	5	5	2	1	0	0	0	1	2	4	6	17	15
min	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Extreme														
mean	2.1	2.2	1.1	0.2	0	0	0	0	0	0	0.2	0.9	6.6	6.6
max	9	11	6	1	0	0	0	0	0	0	2	7	22	22
min	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Very Extreme														
mean	0.6	1	0.3	0	0	0	0	0	0	0	0	0.2	2.2	2.1
max	4	6	4	1	0	0	0	0	0	0	0	3	9	9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source Canterbury (Foothills (N of Rakaia))														
Curing%	80	90	90	70	55	25	15	25	35	40	65	75		
Low														
mean	4.2	3.1	4.8	7.8	11.6	20.5	22.1	14.5	9	8.9	5.4	4.5	116.5	37.8
max	11	9	11	14	24	27	30	25	16	15	13	11	140	55
min	0	0	0	1	1	12	14	3	3	4	0	0	93	14
Moderate														
mean	9.9	8.5	10.9	17.2	17.7	9.3	8.8	16.3	18	17.7	16.5	13.4	164.2	94.2
max	16	18	16	23	27	18	17	28	24	23	23	19	191	107
min	3	3	5	13	7	2	1	6	9	9	12	8	134	77
High														
mean	11.8	10.4	10.8	4.5	1.5	0.2	0.1	0.2	3	4	7.5	10.4	64.3	59.9
max	19	18	20	14	5	2	1	1	9	9	14	18	85	74
min	6	5	5	0	0	0	0	0	0	0	2	4	50	47
Very High														
mean	3.9	4.2	3.2	0.3	0.1	0	0	0	0	0.4	0.5	2.2	14.9	15.1
max	10	12	9	2	1	0	0	0	1	3	3	8	28	27
min	0	1	0	0	0	0	0	0	0	0	0	0	4	4
Extreme														
mean	1.2	1.9	1.1	0.1	0.1	0	0	0	0	0	0.1	0.5	5	4.8
max	4	6	4	1	2	0	0	0	0	1	1	4	16	15
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	0	0.2	0.2	0	0	0	0	0	0	0	0	0	0.3	0.3
max	0	2	2	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
Scrub Fire Danger Class (SFDC) Frequency														
Low														
mean	4.8	4.1	5.8	8.2	11.1	15	15.1	10.6	7.4	8.4	5.5	5	101	41
max	11	9	11	14	26	26	23	23	14	14	12	11	126	58
min	0	0	1	2	1	10	8	1	1	4	0	1	77	24
Moderate														
mean	0	0	0.1	0	0.1	0.1	0.1	0.1	0	0	0	0	0.7	0.2
max	0	1	1	0	1	2	1	1	1	1	0	1	2	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	2.7	2.8	2.9	4.4	5.9	7.8	6.7	5.5	4.4	3.8	3.5	3.8	54	23.9
max	7	8	5	12	17	14	12	11	9	7	8	8	77	32
min	0	0	0	1	0	1	2	1	0	1	0	1	32	12
Very High														
mean	2.2	1.6	2.2	2.9	3.5	3.2	3.7	4.4	3	2.7	2.8	2.6	34.8	16.9
max	7	4	5	5	9	7	9	9	5	6	6	6	56	25
min	0	0	0	0	0	0	0	0	1	0	0	0	19	8
Extreme														
mean	4.9	5.4	7.7	7.6	6.4	2.5	3.3	6.5	5.8	5.3	5.6	5.8	66.9	42.4
max	8	11	13	14	13	10	9	13	11	11	11	10	83	52
min	1	2	4	2	2	0	0	2	1	0	1	0	49	30

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Very Extreme														
mean	16.4	14.3	12.2	6.9	4	1.3	2.1	3.9	9.4	10.8	12.7	13.8	107.9	87.8
max	28	22	21	16	12	4	9	10	16	17	23	21	135	123
min	7	5	3	2	0	0	0	0	2	3	5	5	84	62