

Station Name: Gisborne Aero (GSA)

Period: 1963-01-01 - 2021-07-01

Length of record: 58 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	22.9	22.6	21	18.6	15.9	13.4	12.6	13.6	15.4	17.5	19.4	21.4	17.8	20.5
median	23	22.2	21	18.8	16	13.3	12.3	13.6	15.5	17.7	19.2	21.5	17.8	20.2
max	35	37	31.8	28.5	25	22	20	21.1	23.2	28	32	34	37	37
min	12	13	11	9	6.1	3.7	-0.3	5.9	1.1	7	10	10	-0.3	7
Relative Humidity, %														
mean	57.6	60.8	63.1	64.7	66.8	70.2	70	66.3	62.9	60.5	58.3	58.9	63.4	60.6
median	56	60	62	63	65	69	69	65	61	59	57	57	62	59
max	100	100	100	100	100	100	100	100	100	100	100	100	100	100
min	20	18	22	28	33	35	38	19	29	25	14	15	14	14
Wind Speed, km/h														
mean	19	17.5	16.4	14.9	15.6	15.6	15.8	16.6	18.8	20.3	20.6	19.5	17.5	18.3
median	18.5	16.7	14.8	13	14.8	14.8	14.8	15	17.6	18.5	18.5	18.5	16.7	17
max	53.7	64.8	75.9	64.8	62.5	74.1	61.1	55.6	68.5	66.7	66.7	64.8	75.9	75.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24-hr Rainfall, millimeters														
mean	1.9	2.5	3	3.3	2.9	3.7	3.9	3	2.8	2.1	2	2.1	2.8	2.4
median	0	0	0	0	0	0.1	0.2	0	0	0	0	0	0	0
max	65.8	150.3	170.2	101.8	112.4	156.2	200	113	114	122.4	86.2	67.2	200	170.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	59.4	70.3	94.4	99	90.5	112.2	121.8	92.5	85.2	66.5	60.5	64.5	84.7	73.5
max	143	191.5	322.3	389	306.4	327.9	322.8	296.9	246.1	224.8	146	199.8	389	389
min	4	4	8.4	3.7	10.4	37.7	23.3	8	9.8	6	10.6	1.6	1.6	1.6
Seasonal Rainfall, millimetres														
mean													1016.9	515.5
max													1482.2	918.6
min													580	191.6
Fine Fuel Moisture Code, FFMC														
mean	81	78.8	76.4	73.3	70.9	66.5	64.5	69	72.9	77.2	78.9	79.4	74	77.8
median	86.6	85.6	84.1	82.1	80	75.3	71.5	77.2	81.5	84	85.2	85.8	82.5	84.8
max	94.7	95.7	93.7	91.6	89.9	88.7	87.4	90.4	91.2	92.9	94.5	96.6	96.6	96.6
min	0	7.9	0	2.4	1.9	1	1.6	0	2.1	2.2	10.1	2.5	0	0
Duff Moisture Code, DMC														
mean	35.5	31.8	22.5	15.6	9.5	4.6	2.9	5.1	9.2	16.9	25.4	30.3	17.4	25.4
median	29.8	24.1	15.7	10.9	7.2	3.2	2.1	4.2	7.2	14.2	20.7	24.7	10.7	18.8
max	180.3	157.6	151.4	127.4	66.7	38.2	16.9	28.3	53.5	73.8	101.7	150.2	180.3	180.3
min	1.5	0	0	0	0	0	0	0	0	0.2	0	0.2	0	0
Drought Code, DC														
mean	306.6	343.6	305.2	236.1	164.1	91.9	39.8	27.5	33.8	69.1	136.3	220.7	164.3	230.7
median	312.1	332.2	284	210.4	140.7	55.3	16.6	20	25.3	61.9	129	216.8	120.4	208
max	619.5	768.7	865.1	880.8	663.7	614.3	363.8	139	141.6	250.1	371.7	535	880.8	880.8
min	6.6	6.4	4.6	3	0.9	0.4	0.6	0.8	0.7	2.6	4.3	6.6	0.4	2.6
Initial Spread Index, ISI														
mean	7.5	6.1	4.9	3.8	3.5	2.5	2.3	3	4.4	6	7.1	6.8	4.8	6
median	6.1	4.9	3.7	2.7	2.3	1.6	1.3	1.9	3	4.5	5.3	5.4	3.2	4.5
max	52.8	55.8	44.3	37.5	38	31.6	20.4	29.1	30.2	59.1	58.5	57.5	59.1	59.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	52.8	49.4	36	25.4	15.3	7.3	4.2	6.4	10.6	20.2	33	42.9	25.2	37
median	46.8	40.4	27	18.4	11.6	5.1	3	5.4	8.3	17.4	28.6	38.1	16	28.8
max	185.7	199.1	210.7	182.8	104.5	66.1	20.8	30.1	53.4	78.7	119.7	156.2	210.7	210.7
min	2.5	0	0	0	0	0	0	0	0	0.4	0	0.4	0	0
Fire Weather Index, FWI														
mean	17.2	14.2	10.2	6.8	4.8	2.3	1.7	2.6	4.9	8.7	12.8	14.5	8.4	12.1
median	15.3	11.6	7	4.3	2.4	0.7	0.5	0.9	3	6.6	10.5	12.6	4.5	9
max	78.6	88.5	88.4	76.9	64.9	30.9	18.7	26.1	32	68.1	72.8	88.2	88.5	88.5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	6	4.6	2.9	1.6	0.9	0.3	0.2	0.3	0.8	2.1	3.8	4.6	2.3	3.7
median	3.4	2.1	0.9	0.4	0.1	0	0	0	0.2	0.8	1.7	2.4	0.4	1.3
max	61.6	76	75.9	59.3	43.9	11.8	4.8	8.7	12.6	47.7	53.7	75.5	76	76
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	186.9	131.6	91.4	48.8	27.9	9	5.1	10.1	25.2	64.6	113.6	142.8	71.4	111.4
max	690.7	445.4	628.1	394.1	135.9	73.4	19.3	49	134.7	321.9	409.2	530.6	690.7	690.7
min	20.6	17.5	6.3	3	1.4	0.3	0.2	1	1.7	5.9	14	16.2	0.2	3
Cumulative Daily Severity Rating, CDSR														
mean													857	775.3
max													2209.6	2597.9
min													310	263.6

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Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	6.5	8	12.9	16.4	21.3	26.8	29.9	27.8	21.2	13.8	8.7	8.2	201.6	74.5
max	19	20	26	29	31	30	31	31	30	31	20	25	251	131
min	0	0	0	1	1	14	24	12	3	0	0	0	136	15
Moderate														
mean	9.5	10.3	11.7	10.7	8.2	3	1.1	3.2	8	13.2	12.6	11.1	102.7	79.4
max	23	17	21	24	22	13	7	19	20	26	20	21	163	111
min	1	0	3	1	0	0	0	0	0	0	4	4	59	40
High														
mean	7.2	4.9	3.6	1.7	1.2	0.1	0	0	0.6	3.1	5.3	6.8	34.4	32.5
max	17	15	15	9	10	3	0	0	9	16	13	16	63	66
min	0	0	0	0	0	0	0	0	0	0	0	0	18	11
Very High														
mean	3.6	2.3	1.2	0.5	0.3	0.1	0	0	0.1	0.5	1.7	2.3	12.7	12.3
max	11	11	7	9	4	5	0	0	4	4	8	9	33	43
min	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Extreme														
mean	3	1.9	1	0.5	0	0	0	0	0	0.3	1.5	1.8	10	9.8
max	13	11	9	8	2	0	0	0	0	9	10	10	31	44
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	1.2	0.8	0.6	0.2	0	0	0	0	0	0.1	0.2	0.7	3.9	3.8
max	13	6	11	3	1	0	0	0	0	2	5	6	31	38
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source Eastern (Tairawhiti (Gisborne))														
Curing%	70	75	80	75	70	60	50	65	70	75	85	85		
Low														
mean	2	2.2	3.1	4.5	5.7	8.9	9.9	6.8	4.6	2.7	2.1	2.1	54.5	18.7
max	8	8	9	14	17	16	19	16	13	9	8	8	79	39
min	0	0	0	0	0	2	1	0	0	0	0	0	29	6
Moderate														
mean	11.2	10.9	13.5	16.8	18.8	19.6	18.8	20	16.2	13.1	8.9	8.7	176.3	83.1
max	21	19	22	25	27	28	27	26	26	23	18	18	211	110
min	0	2	2	3	11	11	9	12	8	2	1	1	136	33
High														
mean	13.5	11.7	10.9	6.9	5.6	1.5	2.2	3.9	7.8	11.1	10.8	12.5	98.7	77.8
max	25	22	23	20	16	9	9	13	16	21	19	22	134	108
min	5	5	2	1	0	0	0	0	1	5	3	5	69	56
Very High														
mean	3.3	2.6	2.4	1.3	0.8	0.1	0.1	0.2	1.3	2.9	4.8	4.9	24.8	22.1
max	10	8	8	7	7	1	1	3	6	14	12	11	48	44
min	0	0	0	0	0	0	0	0	0	0	0	1	9	6
Extreme														
mean	1	0.9	1.1	0.4	0.1	0	0	0	0.2	1.2	3.2	2.5	10.4	10
max	7	6	6	7	1	0	0	0	4	6	11	9	30	33
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	0.2	0.3	0.5	0.5
max	0	1	1	0	0	0	0	0	0	2	2	3	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	2.8	3.4	4.6	6.1	7.3	9.3	10.8	8.2	6.4	4	3.6	3.5	70	27.9
max	8	9	10	16	17	17	22	17	17	10	9	11	96	49
min	0	0	0	0	0	3	3	0	0	0	0	0	42	11
Moderate														
mean	0	0	0	0	0.1	0	0.1	0.1	0	0	0	0	0.3	0
max	0	0	0	1	1	1	1	1	0	0	0	0	2	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	1.2	1.8	2.6	2.8	3.8	3.8	4.6	3.4	2.2	2.1	1.4	1.4	31.2	13.4
max	3	8	6	7	12	9	10	9	7	8	7	4	47	25
min	0	0	0	0	0	0	0	0	0	0	0	0	19	1
Very High														
mean	2.2	2.1	3.2	3.6	3.4	4.4	4.2	5	3.3	2.9	2.3	2.2	38.7	18.3
max	6	8	8	9	9	10	13	11	9	8	8	7	56	31
min	0	0	0	0	0	1	1	1	0	0	0	0	25	6
Extreme														
mean	4.5	5	7.1	8	7.8	7.1	5.9	7.1	6.6	6	5.2	5.2	75.4	41.2
max	10	11	13	16	16	16	15	14	14	12	13	11	99	67
min	0	0	1	1	3	1	0	2	1	1	0	0	47	20

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Very Extreme														
mean	20.4	15.9	13.6	9.4	8.6	5.4	5.4	7.3	11.5	16	17.5	18.7	149.7	111.4
max	31	28	27	26	22	13	19	21	23	29	27	29	213	174
min	10	5	1	1	0	0	0	2	2	6	6	5	102	68