

Station Name: Great Barrier Island Raws (GBI)

Period: 1994-07-06 - 2021-07-01

Length of record: 26 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
<b>Temperature, degrees Celsius</b>														
mean	22.8	23.2	21.9	19.9	17.6	15.2	14.4	14.8	16.2	17.9	19.4	21.3	18.7	20.9
median	22.9	23.3	22	20	17.7	15.4	14.6	14.9	16.2	17.9	19.5	21.4	18.6	21.1
max	30.3	30	27	25.9	24	20.1	19.2	20	27.2	28.4	26.2	28.7	30.3	30.3
min	16	15.2	14.6	12.9	10.2	6.3	7.6	6.9	9.1	9.1	11.1	11.9	6.3	9.1
<b>Relative Humidity, %</b>														
mean	64.7	66.2	67.1	69	71.2	73.5	73.2	71.3	68.6	65.3	63.7	65.5	68.3	65.9
median	62.3	64	65.1	67	70	72	71.2	69.9	66.9	63	61	63.2	67	64
max	97	99	97	99	98	100	100	99	98	99	100	100	100	100
min	33	38.6	40.9	36.5	39	39	35.6	32	25.8	35.6	32.9	25.8	25.8	25.8
<b>Wind Speed, km/h</b>														
mean	15.5	14.7	14.6	13.6	13.4	14.2	14.3	14.5	15	16.3	15.9	15.5	14.8	15.2
median	14.7	13.7	13.5	13	12.7	13	13.4	13.9	14.6	15.2	15.3	14.8	14	14.4
max	38.2	67	45.7	38.2	38.9	52.3	55.5	46.1	50.8	48.6	64.7	53.3	67	67
min	1.2	0.1	0.6	0	0	0	0	0	0	0	1	0.4	0	0
<b>24-hr Rainfall, millimeters</b>														
mean	2.9	3.5	3.5	4.2	4.3	5.5	5.7	4.9	4.4	2.9	3.2	3.6	4.1	3.4
median	0	0	0	0.1	0.4	0.8	0.7	0.5	0.3	0	0	0	0.1	0
max	150.1	115.9	162.9	164.8	101.7	98.5	97.6	100.5	60.2	72.5	137.3	93.9	164.8	164.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Rainfall, millimetres</b>														
mean	91.3	100.1	109.8	123.9	136.9	163.7	178.2	152	129.7	90.1	99.4	114.2	124.1	104.1
max	356.5	329	261	351.9	311.4	313.5	445.1	286.4	250	161.6	248.1	292.7	445.1	356.5
min	5.5	8	14.7	35.5	42.6	36.1	22.4	11.9	53.8	20	18.6	30.5	5.5	5.5
<b>Seasonal Rainfall, millimetres</b>														
mean													1489.2	721.2
max													2122.2	1133.3
min													889.6	351.7
<b>Fine Fuel Moisture Code, FFMC</b>														
mean	78.2	76.4	74.9	71	67.5	61.1	60.8	63.9	66	73.3	75.1	74.7	70.2	74.8
median	85.2	84.8	83.2	78.7	75.5	66.4	65.4	70.1	72.7	81.3	82.5	83.6	79	83.2
max	90.9	89.8	89.3	90	87.6	85.9	86.5	88.9	90.4	89	90.3	90	90.9	90.9
min	10.3	5.4	9.1	4.8	5.7	8.7	1.7	6.8	8.1	1.9	8.4	2.4	1.7	1.9
<b>Duff Moisture Code, DMC</b>														
mean	23.8	24.7	18.4	10.6	5.6	2.4	2.1	3.6	5	9.7	14.4	17.8	11.5	17
median	21.1	19.4	14.7	6.9	4.3	1.5	1.3	2.1	3.8	8.8	13.1	16	7.1	13.4
max	79.3	97.9	71.8	53.1	22.3	13.3	15	26.3	30.3	29.5	46.6	65	97.9	97.9
min	0.7	0	0	0	0	0	0	0	0	0	0.3	0.1	0	0
<b>Drought Code, DC</b>														
mean	194.9	230.2	224	180.3	104.8	34.1	15.8	19.2	18.8	37.8	85	146.6	107	156.3
median	176.1	222.4	191.4	145.7	75.3	13.3	7.2	9.2	12	34.1	84.1	142.2	56	119.6
max	450.5	614.3	648	604.9	532.1	302.3	134.6	213	221.4	133.9	239.2	369.1	648	648
min	6.8	6.2	4.4	3.5	1.7	1.2	1.1	1.1	1.5	2.7	4.4	6.1	1.1	2.7
<b>Initial Spread Index, ISI</b>														
mean	4.4	3.9	3.3	2.4	2	1.5	1.4	1.7	2.1	3.2	3.5	3.7	2.8	3.5
median	4.2	4	3.1	2	1.6	1.1	1.1	1.3	1.6	2.7	3.1	3.7	2.2	3.2
max	21	22.4	14.2	12.2	9.3	11.7	8.6	9	19.6	18.6	34.7	15.8	34.7	34.7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Buildup Index, BUI</b>														
mean	35.3	37.5	29.3	16.9	9	3.5	2.9	4.7	5.7	11.6	19.5	26.4	16.8	25.1
median	31.7	31.9	23.5	11.1	6.7	2.2	1.7	2.6	4.4	10.3	18.5	24.1	10.1	19.6
max	110.2	139.2	112	86.2	40.4	21.8	21.8	40.2	45.2	35.8	60.7	86.3	139.2	139.2
min	1.1	0	0	0	0	0	0	0	0	0	0.6	0.2	0	0
<b>Fire Weather Index, FWI</b>														
mean	9.6	9.2	6.8	3.7	2.1	1	0.8	1.2	1.7	3.8	5.7	7.1	4.4	6.5
median	9.1	8.3	5.6	2.3	0.8	0.3	0.3	0.5	0.6	2.7	4.7	6.6	1.9	5.1
max	50.1	37.7	38.4	21.5	14.3	13.2	9.2	16	18.3	22.3	44.9	29	50.1	50.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daily Severity Rating, DSR</b>														
mean	2.1	2	1.3	0.5	0.2	0.1	0	0.1	0.2	0.5	0.9	1.3	0.8	1.2
median	1.4	1.1	0.6	0.1	0	0	0	0	0	0.2	0.4	0.8	0.1	0.5
max	27.7	16.7	17.3	6.2	3	2.6	1.4	3.7	4.7	6.6	22.8	10.5	27.7	27.7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Severity Rating, MSR</b>														
mean	66.3	57.6	40.2	15.6	6.2	2.1	1.4	3.1	4.6	14.9	26.9	37.8	23.1	37
max	183.2	234.6	146.3	57.3	17	11.8	8.8	28.7	16.9	43.6	69.1	91.9	234.6	234.6
min	13.2	6.4	2.6	0.7	0.2	0.1	0	0.1	0.4	2.1	1.8	5.4	0	0.7
<b>Cumulative Daily Severity Rating, CDSR</b>														
mean													276.7	258.9
max													616	611.2
min													69.7	111.5

	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	9.6	10.4	14.3	21.4	26.7	29.3	30.7	29.4	28.3	22.3	15.9	13.8	252.2	107.6
max	21	25	31	30	31	30	31	31	30	31	30	29	325	158
min	2	0	1	3	14	21	25	5	22	9	7	3	202	63
<b>Moderate</b>														
mean	15.6	12.5	13.7	7.9	4.3	0.7	0.3	1.6	1.7	8.7	13.1	14.8	94.7	86.3
max	27	24	24	21	17	9	6	25	8	21	22	26	140	115
min	4	3	0	0	0	0	0	0	0	0	0	2	40	46
<b>High</b>														
mean	4.6	4.1	2.5	0.7	0	0	0	0	0	0.1	0.8	2.3	15.1	15.1
max	20	14	15	6	0	0	0	1	0	1	7	9	37	42
min	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<b>Very High</b>														
mean	0.8	1	0.4	0	0	0	0	0	0	0	0.1	0.1	2.4	2.4
max	5	9	4	0	0	0	0	0	0	0	1	2	15	15
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Extreme</b>														
mean	0.3	0.3	0.2	0	0	0	0	0	0	0	0	0	0.8	0.8
max	5	4	3	0	0	0	0	0	0	0	1	0	10	10
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
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
<b>Grass Fire Danger Class (GFDC) Frequency</b>														
<b>Curing source</b> Auckland (Coastal)														
<b>Curing%</b>	80	90	80	60	50	40	30	45	55	60	70	75		
<b>Low</b>														
mean	2.7	3	3.4	6	7.8	11	13.6	9.5	8.3	5	3.3	4.1	77.7	27.8
max	8	13	7	13	18	19	25	19	17	10	11	12	109	44
min	0	0	0	1	1	3	3	0	3	0	0	1	41	11
<b>Moderate</b>														
mean	11.2	8.9	15.4	23.7	22.9	18.9	17.4	21.3	20.9	24.7	19.4	14.9	219.6	118.1
max	23	17	24	29	29	26	28	30	26	28	27	23	250	150
min	3	2	5	17	13	11	6	12	13	21	12	6	187	86
<b>High</b>														
mean	15.8	14.9	11.8	0.3	0.3	0.2	0	0.2	0.8	1.3	7.2	11.8	64.3	62.8
max	26	21	24	2	1	2	0	1	5	6	16	22	94	92
min	5	3	0	0	0	0	0	0	0	0	0	3	26	30
<b>Very High</b>														
mean	1.2	1.3	0.4	0	0	0	0	0	0	0	0.1	0.2	3.3	3.1
max	8	9	3	0	0	0	0	0	1	0	1	2	22	20
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Extreme</b>														
mean	0.1	0.2	0	0	0	0	0	0	0	0	0	0	0.3	0.3
max	2	1	0	0	0	0	0	0	0	0	1	0	2	2
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
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
<b>Scrub Fire Danger Class (SFDC) Frequency</b>														
<b>Low</b>														
mean	4.1	4.3	5.2	6.3	8.8	11.9	13.2	11.2	10.3	5.8	4.9	5.5	91.3	36.2
max	10	15	11	14	19	22	23	19	16	11	14	15	125	57
min	0	0	0	1	1	4	1	0	4	0	0	1	52	20
<b>Moderate</b>														
mean	0	0	0	0	0	0	0	0	0.1	0	0	0	0.1	0
max	0	0	0	0	1	0	0	0	1	0	0	0	1	0
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>High</b>														
mean	1.2	1.6	2.2	3.5	3.7	4.7	4	3.7	3.2	2.1	2.3	2.5	34.6	15.5
max	4	5	6	9	8	10	8	8	8	6	7	6	54	29
min	0	0	0	0	0	0	1	1	0	0	0	0	14	3
<b>Very High</b>														
mean	2.7	2.4	3.7	5.2	5.9	5.3	5.5	5.8	4.3	4.6	3.8	2.9	52.2	24.9
max	8	5	6	9	10	11	10	12	9	8	8	6	68	37
min	0	0	0	2	2	1	2	2	1	1	2	0	36	15
<b>Extreme</b>														
mean	7.3	6.6	9.1	9.4	9.6	6.4	6.8	8.3	8.1	9.3	8.3	7.3	96.6	57.8
max	18	13	19	14	17	15	22	21	15	18	16	15	145	88
min	1	2	5	2	4	0	0	1	3	2	1	3	66	37

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<b>Very Extreme</b>														
mean	15.7	13.3	10.8	5.7	3	1.7	1.4	2	4.1	9.2	10.7	12.9	90.4	77.9
max	28	25	25	13	7	9	7	9	17	21	21	24	136	124
min	2	1	0	0	0	0	0	0	0	0	1	3	39	33