

Station Name: Cape Campbell SYNOP (Cape\_Campbell)

Period: 2012-11-05 - 2021-07-01

Length of record: 8 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
<b>Temperature, degrees Celsius</b>														
mean	17.4	17.5	16.7	15	13.4	11.5	10.7	11	11.7	13.4	14.5	16.3	14.2	15.9
median	17.3	17.6	16.6	15	13.4	11.5	10.9	11.1	11.7	13.4	14.6	16.3	14.2	15.9
max	23.2	22.6	25.1	19.4	18.2	16.9	15.2	15.3	18.1	19.3	21.3	23.8	25.1	25.1
min	11.2	12.2	11.8	8	8.1	4.8	4.1	5.1	6.2	8.6	8.4	10.4	4.1	8
<b>Relative Humidity, %</b>														
mean	75.9	76.3	76.7	75.4	72.3	75.3	71.6	74.1	74.2	74.3	74.5	75.6	74.7	75.6
median	78	78	79	76	73	76	72	74	75	75.5	76	77	76	77
max	99	99	98	98	96	99	98	98	97	97	98	98	99	99
min	41	41	44	38	30	39	40	37	27	44	38	39	27	38
<b>Wind Speed, km/h</b>														
mean	33.9	32.5	30.7	30.7	29.2	27.5	29.3	28.7	32.6	33	33.7	33.8	31.3	32.6
median	35.2	32.4	29.6	31.5	29.6	25.9	29.6	29.6	33.3	33.3	33.3	35.2	31.5	33.3
max	74.1	64.8	90.7	61.1	63	68.5	75.9	68.5	66.7	81.5	74.1	66.7	90.7	90.7
min	3.7	5.6	3.7	1.9	2.9	1.9	1.9	1.9	3.7	3.7	3.7	5.6	1.9	1.9
<b>24-hr Rainfall, millimeters</b>														
mean	1.1	1.3	1	2.4	1.6	2.6	1.8	1.3	2	1	1.4	1.4	1.6	1.4
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	43.2	60.2	42	64	55.8	68.2	57.2	20.2	66	23.4	28.4	34	68.2	64
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Rainfall, millimetres</b>														
mean	38	37.8	33.8	75.5	49.4	74.8	56.5	40.5	59.2	30.9	42.9	45.6	48.7	43.5
max	76	131.8	54.8	176.8	101.6	159.6	148.4	60.2	113.2	50.4	95.2	120.4	176.8	176.8
min	1.8	5.6	8.6	0	12.6	14.8	12.2	22.8	29.2	11.8	8.2	9	0	0
<b>Seasonal Rainfall, millimetres</b>														
mean													584.8	290.9
max													840.4	486.2
min													316	143.2
<b>Fine Fuel Moisture Code, FFMC</b>														
mean	78	78.3	77.4	73.6	75.1	69.9	73.7	72.8	72	75.5	74.5	76.1	74.8	76.2
median	81.5	82	81.4	81.1	80.7	78.6	80.8	79.3	79.1	80.5	80.7	81.1	80.8	81.3
max	87.4	87.1	88.2	87.1	87.6	87.4	86.8	86.1	86.8	87.6	88.3	88.5	88.5	88.5
min	10.6	14.2	23.4	9.8	14	11.1	4.1	22.5	12.5	13.5	7.7	17.4	4.1	7.7
<b>Duff Moisture Code, DMC</b>														
mean	16.8	24.1	20.8	13	10.1	4.3	4.8	4.8	5.7	9.4	12	15.7	11.9	16
median	15.2	20.9	18.1	10.5	7.5	3.5	4.8	4.4	5	8.5	11.3	13.7	8.8	13.4
max	44.7	56.7	55.9	48.6	55.7	15.7	13.3	15	16.9	28.4	30.1	43.7	56.7	56.7
min	2.4	2.4	2.8	0	0.5	0	0	0.1	0	0	0.1	0.9	0	0
<b>Drought Code, DC</b>														
mean	385.4	480.5	508.3	415.3	336.4	213	171.6	154.6	140.4	152.9	222.8	303.5	294.7	354.9
median	387.7	488.7	514.5	470.5	269.9	157.8	135	104.3	107.1	136.7	210	293.9	281.6	334.3
max	654.6	702.6	774	765.1	654	578.3	438.5	444.4	361.6	362	457.2	647.8	774	774
min	71.6	133.4	140	7.3	44.8	0.9	0.4	1.1	1.5	3.2	67.6	32.2	0.4	3.2
<b>Initial Spread Index, ISI</b>														
mean	8.1	7.9	6.9	6.3	6.2	4.6	5.7	5.1	5.9	7.1	7.3	7.6	6.6	7.3
median	6.3	6	5.2	4.6	4.4	2.9	4.4	3.7	4.3	5.9	4.8	5.9	4.7	5.6
max	25.7	26.8	29.3	25.6	26.8	24.7	20.7	21.2	27.2	34.9	34.3	36.8	36.8	36.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Buildup Index, BUI</b>														
mean	29.7	41.7	37.1	22.9	17.9	7.6	8.1	8.1	9.2	15.2	20.3	27.1	20.7	27.8
median	27.6	38.1	32.8	20	13.8	6.5	7.5	7.3	8.1	14	19.4	24.5	15.4	23.8
max	76.3	91.4	93	73.2	82.6	27.6	24.8	27.7	27.7	43.9	46.3	74.8	93	93
min	4.8	4.6	5.6	0	0.9	0	0	0.2	0	0	0.2	1.6	0	0
<b>Fire Weather Index, FWI</b>														
mean	13.3	15.8	13.3	9.8	8.3	4.2	5.3	4.6	5.7	8.7	10.2	12.2	9.4	11.9
median	11.4	14.8	11	7.7	5.6	2.5	4.1	3.1	3.9	6.9	7.7	10.7	7	9.9
max	42.8	47.9	50.2	43.8	47.6	26.3	23.5	27.4	24.7	40.8	47.9	40.1	50.2	50.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daily Severity Rating, DSR</b>														
mean	3.5	4.7	3.7	2.4	1.9	0.6	0.8	0.7	1	1.8	2.4	3.1	2.3	3.1
median	2	3.2	1.9	1	0.6	0.1	0.3	0.2	0.3	0.8	1	1.8	0.9	1.6
max	21	25.6	27.9	21.9	25.4	8.9	7.3	9.5	7.9	19.3	25.7	18.8	27.9	27.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Severity Rating, MSR</b>														
mean	97.4	131.8	107.7	72.9	58.8	20	25.7	21.2	29	56.6	77.5	98.9	66.4	91.8
max	125.1	229.8	241.1	219.7	117	50.3	48.9	36.6	59.2	121.2	142.7	188.7	241.1	241.1
min	53.5	66.7	57.2	14.7	10.5	7.5	15.4	11.8	13.6	14.6	30.2	20.6	7.5	14.6
<b>Cumulative Daily Severity Rating, CDSR</b>														
mean													797.4	672
max													1091.3	932.9
min													558.6	389.4

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<b>Forest Fire Danger Class (FFDC) Frequency</b>														
<b>Low</b>														
mean	6.8	4.2	8	13.4	17.5	23.6	23.1	25	21.5	13.8	10.4	8.9	176.1	63.8
max	13	13	15	27	31	30	30	30	29	25	19	28	214	99
min	0	0	2	0	7	14	16	16	12	3	1	0	112	31
<b>Moderate</b>														
mean	16.4	12.2	14.2	11.4	10.1	6.2	7.6	5.9	7.8	15.2	14.9	14.4	136.4	97.9
max	20	19	17	20	19	15	13	15	13	21	24	19	179	121
min	14	8	8	3	0	0	1	1	1	6	10	3	112	73
<b>High</b>														
mean	6.5	7	4.9	3.1	1.8	0.1	0.2	0.1	0.8	1.8	4	5.1	35.4	32.5
max	10	11	8	9	6	1	2	1	5	10	10	11	48	41
min	2	4	3	0	0	0	0	0	0	0	0	0	25	13
<b>Very High</b>														
mean	1.4	2.8	2.8	1.8	1.1	0	0	0	0	0.2	0.6	2.4	13	13.2
max	3	6	7	9	6	0	0	0	0	1	4	7	22	21
min	0	0	0	0	0	0	0	0	0	0	0	0	4	4
<b>Extreme</b>														
mean	0	1.9	1	0.4	0.4	0	0	0	0	0	0.1	0.2	4	4.6
max	0	6	6	3	3	0	0	0	0	0	1	1	12	12
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Very Extreme</b>														
mean	0	0.1	0.1	0	0.1	0	0	0	0	0	0	0	0.4	0.2
max	0	1	1	0	1	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 sourcelandborough (Marlborough/Kaikoura)</b>														
Curing%	90	95	80	65	55	50	45	55	65	70	80	85		
<b>Low</b>														
mean	1.2	1.1	1.2	3.6	2.2	4.6	3.4	2.6	2.6	1.5	2.1	1.6	28	12.1
max	4	5	2	10	6	10	9	4	6	4	7	3	43	20
min	0	0	0	0	0	1	0	1	1	1	0	0	12	5
<b>Moderate</b>														
mean	7.9	5.8	11.8	14.9	17.6	18.1	18.4	19.6	17.1	12.5	11.2	8.8	163.6	71.8
max	10	10	17	17	23	20	22	24	22	17	16	20	173	80
min	6	2	6	12	15	15	15	17	13	7	7	3	149	61
<b>High</b>														
mean	9.5	9.9	10.4	10.2	9.2	6.9	9.2	8.1	8.8	12.9	7.5	10	112.6	70.5
max	15	13	14	16	14	9	13	13	13	16	10	15	132	81
min	3	7	7	6	4	5	5	3	3	10	5	6	102	56
<b>Very High</b>														
mean	5.5	4.6	5.9	1.2	1.9	0.4	0	0.6	1.5	3.5	6.9	6.9	38.9	34.5
max	10	8	7	3	5	2	0	2	3	7	10	12	50	46
min	1	2	4	0	0	0	0	0	0	0	3	0	29	24
<b>Extreme</b>														
mean	6.9	6.6	1.8	0	0	0	0	0	0	0.6	2.2	3.5	21.6	22.9
max	12	10	3	0	0	0	0	0	0	2	4	6	28	26
min	3	3	0	0	0	0	0	0	0	0	0	0	14	18
<b>Very Extreme</b>														
mean	0	0.2	0	0	0	0	0	0	0	0	0	0.2	0.5	0.5
max	0	1	0	0	0	0	0	0	0	0	0	1	1	2
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	2	2.1	2.9	5.1	3.4	7.6	4.5	4.9	5.8	3.5	4.4	3	49.1	22
max	5	7	5	13	6	14	10	7	8	7	9	7	67	36
min	0	0	1	0	0	2	0	2	3	1	1	0	29	11
<b>Moderate</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>High</b>														
mean	0.6	0.1	0.5	0.5	0.8	0.9	1.2	1.9	0.5	0.6	0.4	1.1	9.1	3.8
max	1	1	1	1	3	3	4	4	1	3	3	7	18	12
min	0	0	0	0	0	0	0	0	0	0	0	0	4	1
<b>Very High</b>														
mean	2.1	1.1	2.2	1.9	3.2	3.9	2.5	2.1	2.1	2.2	1.6	1.8	26.9	12.8
max	3	3	6	5	6	6	5	5	6	6	4	3	36	21
min	1	0	0	0	0	1	0	0	0	0	0	0	14	4
<b>Extreme</b>														
mean	6.5	7.5	8.4	7.6	7.6	6.6	6.8	9.8	6.5	6.4	7.1	6.2	87	49.6
max	9	14	11	12	10	10	11	12	10	10	11	11	97	60
min	4	2	5	6	5	3	4	7	2	2	5	3	79	40

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<b>Very Extreme</b>														
mean	19.8	17.4	17	14.9	16	11	16	12.4	15.1	18.2	16.5	18.9	193.1	124.1
max	22	25	20	23	20	15	19	17	17	24	21	24	212	139
min	15	13	12	8	11	5	12	8	12	12	12	7	180	108