

Station Name: Cromwell (CRM)

Period: 2009-12-31 - 2021-07-02

Length of record: 11 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	21.1	21.1	18.2	14.4	9.8	6	5.8	8.6	12.2	15.3	18.1	20.5	14.2	18.4
median	21	21.3	18.2	14	9.7	5.6	5.8	8.4	12.2	15	17.9	20.7	14.4	18.3
max	32.5	29.8	27.9	25.1	20	16.9	16.7	19	20.9	26.2	29	30.2	32.5	32.5
min	10.1	8.2	6.9	5.3	-0.8	-1.9	-2.8	1.8	2.5	4.6	3.7	8.9	-2.8	3.7
Relative Humidity, %														
mean	43.2	46.1	52.2	58.3	71.6	78	75.3	67	52.8	47.1	44.3	42.2	56.6	47.7
median	40	45	51	58	71	82	76	67	53	46	42	40	53	46
max	96	95	95	98	100	100	100	99	93	89	91	90	100	98
min	15	18	16	22	32	30	29	29	18	18	15	18	15	15
Wind Speed, km/h														
mean	14.4	12.5	11.9	10.6	9.1	7.6	7.5	9.4	13	15.3	15.2	15.1	11.8	13.6
median	12.2	10.8	10.4	9.4	7.2	5.8	5.4	7.9	11.9	13.7	13.3	13.7	10.1	11.9
max	50.4	37.1	41.4	43.2	36	43.9	36.4	42.5	35.6	43.9	46.1	44.6	50.4	50.4
min	0.7	1.8	0	0	0	0	0	0.7	2.2	1.4	1.4	2.2	0	0
24-hr Rainfall, millimeters														
mean	1.5	1.7	0.9	1	1.5	1.1	0.9	0.6	0.9	1.1	1.2	1	1.1	1.2
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	47.8	60	23.8	30.4	47.6	34.8	35.8	16.2	27.8	29.4	27.4	45.4	60	60
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	39.9	49.5	30.9	30.3	44.4	33.9	28	17.7	26	32.8	36.2	29.8	33.3	35.6
max	82.6	137.4	72.2	64	72.4	104.6	51.2	69.8	53.2	67	96.8	74.4	137.4	137.4
min	9.2	8.2	11.4	5.2	3.4	6.6	5.8	3.6	12.2	6	9.4	6.4	3.4	5.2
Seasonal Rainfall, millimetres														
mean													399.4	250.4
max													543.6	337
min													278.2	165.8
Fine Fuel Moisture Code, FFMC														
mean	84.3	84.3	81.9	79.1	69.5	66.7	70.7	76.3	79.9	82.1	83.2	85.7	78.6	82.9
median	89	88.5	86.5	84.5	76.1	72.8	75.8	80.6	84.6	86.5	88.1	89.3	84.1	87.4
max	95.5	94.4	94.7	93.1	89	88.7	88.1	88.6	93.4	94.5	94.7	95.1	95.5	95.5
min	9.8	13.4	22.4	13.8	9.4	5.8	12.4	24.5	22.2	25.8	20.2	26.9	5.8	9.8
Duff Moisture Code, DMC														
mean	53.2	49.2	51	33.4	14.9	6.6	4	7.9	16.6	28.4	38.6	56	30.1	44.4
median	43.5	46.6	50	31	10.8	3.6	3.5	7.2	16.2	26.7	33.3	51.8	22.4	38.1
max	138	117.1	126.6	86.1	51.4	45	16.1	20	35.2	74.7	102.8	136	138	138
min	3.3	6.8	3.3	3.7	0	0	0	0.3	1.7	5.8	4	6.5	0	3.3
Drought Code, DC														
mean	534.6	515	558.5	561.6	473.1	365.8	304.9	288.3	294	327.5	372.6	469.5	425.1	479.9
median	480.3	497.3	566.8	568.4	521.5	353.5	300.7	272.1	300.7	326.3	382.7	465.4	408.9	463.1
max	1014.9	925.1	811.6	834	778.8	632.8	538.4	452.9	493.6	607.4	648.3	807.3	1014.9	1014.9
min	283.5	266	222.1	256	236.4	140.2	72.8	97	117.3	147.1	178.3	205	72.8	147.1
Initial Spread Index, ISI														
mean	8.2	6.9	5.2	3.8	1.8	1.4	1.5	2.4	4.1	6.3	7.5	8.7	4.8	6.6
median	6.5	5.8	4.1	2.8	1.2	0.9	1	1.7	3.2	4.6	6.2	7.2	3.1	5.1
max	44.9	32.1	27	22.3	22.8	20.6	13	25.8	19.1	44.2	52.5	48.3	52.5	52.5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	83	78.3	80.8	57	26.8	12.1	7.5	14.3	28.4	46	59.1	83.9	48.3	70
median	71.3	75.4	82.7	54.6	20	7	6.8	13.5	27.9	43	54.8	81.2	38.3	63.1
max	206	176.1	176.6	131.3	86.4	76.4	28.4	35.4	59.2	113.7	135.1	177.6	206	206
min	6.5	12.9	6.3	7.1	0.1	0	0	0.6	3.3	10.9	7.6	12.1	0	6.3
Fire Weather Index, FWI														
mean	22.6	20	16.3	10.5	3.5	1.6	1.2	3.1	7.7	13.9	18.3	24.1	11.9	17.9
median	20.7	18.7	14.8	8.3	1.7	0.4	0.5	1.6	6.9	11.5	17.1	23.8	7.4	15.9
max	80.6	62.8	61.4	57.3	31.2	26.2	17.3	36	35	68.9	61.8	73.2	80.6	80.6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	9.1	7	5.2	2.6	0.5	0.2	0.1	0.4	1.4	3.9	6.3	9.6	3.9	6.2
median	5.8	4.8	3.2	1.2	0.1	0	0	0.1	0.8	2	4.2	7.4	0.9	3.6
max	64.4	41.4	39.7	35.2	12	8.8	4.2	15.5	14.7	48.8	40.3	54.3	64.4	64.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	301.5	200.3	156.6	70.6	14.6	6.8	2.8	12.1	42.6	122.2	189.2	296.4	118	191
max	581.2	386.2	386.5	176.3	50.5	39.4	11	36.3	68.3	282.5	321.5	458.8	581.2	581.2
min	96.4	91.5	31.8	15.7	2.6	0.1	0.3	0.5	17.1	63.7	40.6	95.8	0.1	15.7
Cumulative Daily Severity Rating, CDSR														
mean													1415.6	1295
max													1890.4	1818.2
min													1024.9	975.5

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Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	3	3.5	6.2	8.1	23	27.2	29.8	24.1	10.8	5.7	5.2	3.3	149.8	36.1
max	7	13	18	18	30	30	31	31	21	9	18	10	194	64
min	0	0	0	1	2	16	25	16	2	0	1	0	110	22
Moderate														
mean	7.9	7.1	11.2	16.2	7.3	2.5	1.2	6.7	16.9	14.5	8.5	6	105.9	72.5
max	18	13	18	25	25	11	6	15	24	19	12	13	145	97
min	3	2	2	10	1	0	0	0	8	7	3	1	69	46
High														
mean	6.5	9	7.5	3.8	0.5	0.1	0	0.1	2.1	6	8.5	7.5	51.6	49
max	10	14	17	7	3	1	0	1	5	13	11	11	67	62
min	2	5	1	1	0	0	0	0	0	3	1	3	26	35
Very High														
mean	4.5	3.6	2.9	1.3	0.1	0.2	0	0.1	0.1	2.8	3	5.7	24.4	22.5
max	11	9	8	4	1	2	0	1	1	9	7	9	39	37
min	1	0	0	0	0	0	0	0	0	0	1	1	12	13
Extreme														
mean	6	3.7	2.2	0.5	0.1	0	0	0	0.1	1.9	3.6	5.7	23.9	23.3
max	14	9	9	3	1	0	0	0	1	7	12	12	38	39
min	0	1	0	0	0	0	0	0	0	0	0	2	11	12
Very Extreme														
mean	3	1.4	1	0.1	0	0	0	0	0	0.1	1.3	2.8	9.6	9
max	9	5	4	1	0	0	0	0	0	1	4	6	15	18
min	0	0	0	0	0	0	0	0	0	0	0	0	4	4
Grass Fire Danger Class (GFDC) Frequency														
Curing source Otago (Inland Otago)														
Curing%	80	90	80	60	50	50	60	70	60	40	40	70		
Low														
mean	1.1	0.7	1.5	3.4	6.7	8.6	6.9	2.4	2.5	2.2	2	0.8	38.9	12.5
max	2	4	3	6	12	16	13	10	7	6	8	3	50	18
min	0	0	0	0	0	2	1	0	0	0	0	0	29	8
Moderate														
mean	6.5	6.1	14.3	24.2	23.4	20.6	23.8	26.3	24.4	21	17.7	8.5	216.7	98.2
max	12	10	22	28	29	28	29	30	29	26	24	18	240	110
min	1	2	3	21	18	14	18	21	20	12	9	3	194	81
High														
mean	14.7	13.7	12.2	2.5	0.8	0.6	0.3	2.2	3.1	7.5	9.5	15.7	82.8	75.8
max	20	18	18	5	2	3	2	6	7	16	17	22	100	84
min	10	8	4	1	0	0	0	0	0	4	3	10	60	54
Very High														
mean	5.5	4.5	2	0	0.1	0.1	0	0.1	0	0.4	0.6	4.6	17.9	17.5
max	8	10	8	0	1	1	0	1	0	2	2	6	23	29
min	1	2	0	0	0	0	0	0	0	0	0	2	12	12
Extreme														
mean	3.1	3	1	0	0	0	0	0.1	0	0	0.1	1.3	8.5	8
max	5	6	3	0	0	0	0	1	0	0	1	4	13	12
min	0	1	0	0	0	0	0	0	0	0	0	0	5	2
Very Extreme														
mean	0.2	0.2	0	0	0	0	0	0	0	0	0	0	0.4	0.3
max	1	1	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
Scrub Fire Danger Class (SFDC) Frequency														
Low														
mean	1.6	1.6	2.6	3	6.5	7.6	5.5	3.1	2.6	2.3	2.3	0.9	39.7	15
max	3	5	5	5	11	16	11	12	7	5	7	3	50	20
min	0	0	0	0	0	1	0	0	0	0	1	0	31	9
Moderate														
mean	0	0	0	0	0	0.1	0	0	0	0	0	0	0.1	0
max	0	0	0	0	0	1	0	0	0	0	0	0	1	0
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	1.2	1.5	2.5	3.3	9.2	12.8	13.9	7.5	2.4	1.8	1.7	1.8	59.7	14.5
max	3	5	5	6	16	20	23	15	7	5	5	5	89	19
min	0	0	1	1	4	5	10	0	0	0	0	0	37	10
Very High														
mean	1	1.7	2.6	3.7	7	4.4	6.7	8.5	3.5	2.3	1.7	1.5	44.6	14.5
max	3	4	5	9	15	8	9	15	7	6	4	3	57	22
min	0	0	1	1	2	1	5	2	1	0	1	0	35	11
Extreme														
mean	4.6	4	9	11.5	5.5	3.4	2.9	7.6	11.3	7.7	4.2	3.3	75.1	44.8
max	11	7	16	21	12	7	5	12	15	12	6	9	95	53
min	0	1	1	4	2	0	0	1	6	4	1	0	43	26

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Very Extreme														
mean	22.5	19.4	14.2	8.5	2.7	1.7	2	4.3	10.3	16.9	20.1	23.5	146	123.5
max	30	25	28	16	5	8	7	11	17	25	25	30	171	142
min	16	14	7	1	1	0	0	0	5	13	9	14	119	98