

Station Name: Butchers Dam Raws (Butchers_Dam)

Period: 2009-12-16 - 2021-07-01

Length of record: 11 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	19.6	19.6	17	13.3	9.1	5.2	5.6	8.1	11.2	13.8	16.3	19	13.2	17
median	19.4	19.8	17	12.9	8.9	4.9	5.5	8.2	11.4	13.6	16.1	19.1	13.1	16.9
max	32.8	31.3	26.9	23.5	20.2	16.7	15.4	17.7	20.7	24.6	28.8	30.3	32.8	32.8
min	6.6	7.2	7.4	3.3	-2.1	-2.8	-4.2	-0.4	0.6	3.1	1.4	8.4	-4.2	1.4
Relative Humidity, %														
mean	46.5	49.2	54.2	59.4	70.9	77.8	71.7	65.4	54.1	50.2	48.1	44.9	57.8	50.4
median	44	47	53	59	70.5	79	71	65	53	48	46	42	56	49
max	98	97	99	100	100	100	100	100	100	95	96	95	100	100
min	12	17	17	24	28	27	29	28	21	17	19	12	12	12
Wind Speed, km/h														
mean	21.9	18.1	17	17	14.8	12.5	13.4	14.9	18	20.3	21.4	20.9	17.5	19.5
median	18.9	14	13.7	13.3	10.4	9.7	9.9	11.2	14.9	17.3	18.8	19.1	14	16.1
max	63.7	62.3	59.8	74.2	83.9	58.7	71.3	73.4	62.6	76	67.3	65.5	83.9	76
min	1.4	2.5	2.5	3.2	0	0	0	0	1.4	2.2	2.5	1.1	0	1.1
24-hr Rainfall, millimeters														
mean	1.5	1.5	0.8	0.9	1.2	1	0.8	0.5	0.8	1.1	1.3	0.9	1	1.1
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	50.6	48.8	24.2	23.4	22.4	24.2	18.8	15.6	29.6	21.2	26.2	33.4	50.6	50.6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	40.4	46.4	26.2	27	37.6	30.8	25.4	17	24.8	33.7	39.1	28	31.4	34.4
max	74.2	123.2	44.2	48.6	61.4	107.6	52.2	45.4	55.6	49.4	113.4	68.8	123.2	123.2
min	9	9.8	11.4	6.8	3.2	6.4	2.6	6	2.4	5.6	11	6.8	2.4	5.6
Seasonal Rainfall, millimetres														
mean													376.2	244
max													558.2	322.8
min													262.4	157.2
Fine Fuel Moisture Code, FFMC														
mean	83.1	83	82	79.3	70.2	66.1	72.2	76.9	80.1	80.1	81.7	84.5	78.2	82
median	87.6	87.4	86	83.6	76.4	71.7	77.7	81.3	84.6	85.4	86.9	88.2	83.6	86.4
max	96.5	95.7	94	91.6	90.3	89.1	89	89.3	91.8	94.6	94.7	95.7	96.5	96.5
min	10.6	10.5	21.4	10.9	15	10.2	12.9	21.1	14.2	20.7	6.4	19.6	6.4	6.4
Duff Moisture Code, DMC														
mean	44.4	43.4	44.6	36.1	18.4	7.6	5	8.2	16.9	24.2	34.5	51	28.1	39.9
median	34.9	42.3	41.9	31.6	12.9	4.3	4	7.7	16.5	20.5	33	51.5	21	36
max	129.1	102	112.1	94.6	70.9	44.1	17.6	24.2	35.7	71.6	91.9	123.7	129.1	129.1
min	1.1	6.4	4.5	3.8	0.9	0	0	0	3.4	4	1.5	4.3	0	1.1
Drought Code, DC														
mean	508.4	510	545.2	569.6	516.9	431.2	374.5	351.7	354.5	372.8	408.2	488.1	455.1	488.1
median	467.7	482.4	540.7	562.7	501.7	437.5	385.6	337.2	349.9	358.3	400.4	502.9	446.6	477.2
max	891.3	905.2	799.7	847	855.1	687.8	563.5	571.2	591.3	606.5	656.5	781.6	905.2	905.2
min	167.4	292.4	303	363.3	313.5	151.5	124.4	150.8	148.9	171.6	108.1	56.6	56.6	56.6
Initial Spread Index, ISI														
mean	11.6	9.1	7.1	5.5	2.7	1.9	2.7	3.6	5.8	8	10	11.3	6.6	8.9
median	7.2	6.1	4.8	3.5	1.6	1.1	1.6	2.3	4	4.8	6.6	7.8	3.7	5.5
max	78.9	68.3	62.9	53.5	28.7	25.6	32.7	37.3	37.9	96.1	73.6	74.9	96.1	96.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	70.9	70	71.6	60.7	32.5	13.9	9.6	15.1	29.6	40.7	55.4	78.5	46	64.3
median	57.1	69.3	71.5	55.4	24	8.3	7.9	14.7	28.8	35.7	55.4	80.5	36.8	59.5
max	188.2	159.2	154.1	139.5	113.8	75.1	31.9	39.4	62	109.5	125	163.7	188.2	188.2
min	2.1	12.1	8.6	7.4	1.7	0	0	0.1	6.7	7.7	3	8.3	0	2.1
Fire Weather Index, FWI														
mean	25.8	22.2	18.6	13.9	5.3	2.4	2.6	4.7	10.2	14.9	21.2	27.2	14.1	20.6
median	20.3	19	15.3	10.3	3	0.6	0.9	3.1	8.6	11.1	17.4	24.8	8.8	16.4
max	124.3	97.2	101.4	98.1	63.4	31	33.4	35.9	44.5	106.2	105.6	102.2	124.3	124.3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	12.4	9.1	7	4.5	1.1	0.3	0.4	0.8	2.4	5.1	8.9	12.6	5.4	8.5
median	5.6	5	3.4	1.7	0.2	0	0	0.2	1.2	1.9	4.3	8	1.3	3.8
max	138.5	89.7	96.6	91.1	42	11.9	13.6	15.4	22.5	105	103.8	98	138.5	138.5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	411.1	267	213.9	116.8	33.3	10.5	11.9	25.5	73	157.2	267.5	392.3	165	260.8
max	833.4	576.2	578	225.4	135.1	44.2	51.2	51.4	118.2	399	503.6	609.3	833.4	833.4
min	140.2	97.3	68.3	22.7	6.2	0.2	0.2	3.1	40.1	23.7	26.3	95.3	0.2	22.7
Cumulative Daily Severity Rating, CDSR														
mean													1980.1	1791.6
max													3031.9	3050.1
min													1218.8	914.1

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	2.8	3.9	5.3	5.9	19.3	25.9	26.8	21.9	9.3	7.6	5	3.4	137.1	34.8
max	7	12	13	13	29	30	31	31	19	15	20	13	209	70
min	0	1	0	1	6	16	14	12	3	0	1	0	89	14
Moderate														
mean	8.7	7.4	11.5	15.7	9.6	3.8	4	8.2	15.7	12.5	8.6	6.4	112.1	71.1
max	18	16	18	20	20	11	16	17	23	16	15	12	143	92
min	1	1	3	8	2	0	0	0	7	6	4	1	72	38
High														
mean	5.5	6.8	6.1	4.7	1.5	0.2	0.2	0.8	3.6	5.8	7.2	5.5	47.9	42
max	10	13	12	13	6	2	1	3	11	13	10	9	64	56
min	1	1	0	1	0	0	0	0	0	1	3	2	24	22
Very High														
mean	4.1	3.4	3.3	1.4	0.4	0	0	0.1	1	2.3	2.8	4.5	23.2	21.5
max	7	8	8	6	2	0	0	1	3	5	6	8	29	35
min	0	0	1	0	0	0	0	0	0	0	0	1	13	11
Extreme														
mean	5.5	3.9	3.1	1.5	0.2	0.1	0	0	0.4	2.2	3.4	6.1	26.3	24.7
max	9	8	7	4	2	1	0	0	1	7	8	11	40	39
min	0	0	0	0	0	0	0	0	0	0	0	2	13	15
Very Extreme														
mean	4.4	2.9	1.8	0.7	0.1	0	0	0	0	0.6	3	5.2	18.7	18.2
max	10	9	8	2	1	0	0	0	0	4	10	12	34	40
min	1	0	0	0	0	0	0	0	0	0	0	0	9	6
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	0.8	1.1	0.8	2.4	5.8	7.3	5.3	2.1	1.8	2.4	2.1	0.8	32.6	10.8
max	2	5	3	4	10	15	11	7	6	6	8	4	59	21
min	0	0	0	0	0	1	0	0	0	0	0	0	16	2
Moderate														
mean	6.6	5.6	12.1	23.8	22.4	21.1	24.4	23.6	22.3	19.2	15.3	9.2	205.5	92.5
max	11	12	20	27	28	28	29	29	28	25	21	19	228	126
min	2	2	2	19	17	15	20	19	16	11	10	4	172	67
High														
mean	11.6	11	12	2.7	2.6	1.6	0.9	4.3	4.9	7.6	9	12.5	80.9	66.9
max	17	16	21	6	7	5	4	10	8	12	14	19	102	81
min	6	5	6	0	0	0	0	1	2	1	2	3	54	31
Very High														
mean	5.1	4.6	3.5	1.1	0.2	0	0.5	0.5	1	1.7	3.5	4.9	26.6	23.7
max	11	8	7	4	1	0	2	1	3	5	6	11	39	39
min	2	1	1	0	0	0	0	0	0	0	0	1	20	16
Extreme														
mean	5.6	4.5	2.4	0	0	0	0	0.5	0	0.1	0.2	3.5	16.8	15.8
max	10	10	7	0	0	0	0	2	0	1	1	5	25	24
min	2	0	1	0	0	0	0	0	0	0	0	1	7	9
Very Extreme														
mean	1.2	1.4	0.2	0	0	0	0	0	0	0	0	0	2.7	2.5
max	4	4	1	0	0	0	0	0	0	0	0	0	5	5
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	2.1	2	2.1	6.5	6.9	4.9	2.9	2.2	2.6	2.5	2	38.4	15.5
max	3	6	4	4	11	13	10	7	7	5	8	7	68	28
min	0	0	0	0	0	0	0	0	0	1	1	0	21	5
Moderate														
mean	0.1	0	0	0	0.1	0.3	0	0	0	0	0	0	0.5	0.1
max	1	0	0	0	1	3	0	0	0	0	0	0	3	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	0.6	1	1.9	2.5	6.1	9.4	7	4.2	1.9	2.7	1.1	1.1	39.5	11.2
max	1	3	3	4	13	14	15	8	4	7	4	3	57	20
min	0	0	0	1	1	3	0	2	1	1	0	0	26	6
Very High														
mean	1.2	1.4	3.2	3.2	6.3	5.7	7.3	6.3	2.9	1.9	2	1.2	42.5	14.1
max	3	3	7	8	11	12	14	10	6	5	4	4	54	21
min	0	0	0	0	2	0	3	1	1	0	0	0	30	3
Extreme														
mean	4.4	4.3	6.5	11.1	6.3	4.6	7.8	10.4	9	6.2	4.4	4	78.8	40.9
max	7	8	12	14	9	11	16	15	11	9	8	11	91	55
min	1	1	2	6	3	1	1	3	5	1	2	1	57	28

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Very Extreme														
mean	23.1	19.5	17.5	11.1	5.7	3.1	4	7.3	14	17.5	20.1	22.7	165.6	130.5
max	29	27	28	17	11	6	14	13	19	26	24	28	196	161
min	19	12	10	7	2	0	0	2	9	11	8	11	120	88