

Station Name: Tekapo Raws (TEK)

Period: 1996-05-24 - 2021-07-01

Length of record: 25 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
<b>Temperature, degrees Celsius</b>														
mean	18	18.1	15.7	12.1	8.8	5.3	4.6	6.5	9.7	11.7	14	16.3	11.7	15.1
median	18.1	18.1	15.8	12.1	8.6	5.4	4.6	6.5	9.8	11.8	13.9	16.6	11.6	15.1
max	32	32.9	28.5	21.9	24.2	15.7	15	20.6	19.6	23.6	27.1	30.4	32.9	32.9
min	5	5.2	2.2	0.4	-1.7	-5.6	-5.7	-4	-1.6	-0.2	0.6	1.2	-5.7	-0.2
<b>Relative Humidity, %</b>														
mean	49.2	51.3	54	57.7	64	68.2	67.4	63.1	53.7	51.3	49.5	50.7	56.7	51.9
median	47	51	54	57	65	68	68	62	51	49	47	49	55	50
max	99	100	100	99	100	100	100	100	99	100	100	100	100	100
min	6	10	13	16	14	15	22	12	11	9	11	11	6	6
<b>Wind Speed, km/h</b>														
mean	20.2	16.6	15.4	13.6	13	11.3	11	12.3	16.9	20.1	21	18.9	15.8	18
median	15.2	12.2	10.9	9.2	8	7.3	7	8.4	12.2	15.1	16.2	14.9	11.4	13.3
max	70.2	62.4	69.1	90.7	72.7	74.7	71.6	60.4	80.9	93.2	80.4	76	93.2	93.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>24-hr Rainfall, millimeters</b>														
mean	1.5	1.4	1.1	1.8	2.2	1.9	1.6	1.3	1.5	1.7	1.7	1.6	1.6	1.6
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	48.4	59.4	32.4	39	105.2	53.8	42.1	27.1	43	38.2	74.8	72.2	105.2	74.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Rainfall, millimetres</b>														
mean	45.5	41.8	36	54.6	62.2	56.7	50.9	39.9	46.3	53.7	52.4	49.2	49.1	47.6
max	113.4	190	67.4	123.3	208.2	123	139.4	89	104.2	120.8	146.6	168.8	208.2	190
min	2	5	5	5.2	5.2	14.2	7.6	5.2	11.7	15	8.8	13.4	2	2
<b>Seasonal Rainfall, millimetres</b>														
mean													589.2	330.7
max													875.8	503
min													373.5	179.4
<b>Fine Fuel Moisture Code, FFMC</b>														
mean	81.5	81.5	79.8	74.4	68.6	63.2	67.7	69.2	75.3	75.6	78.5	79.8	74.5	78.7
median	87.2	86.8	85.5	83	77.9	71.8	76.5	76.9	81.9	83	85.3	85.8	82.3	85.4
max	97.6	96.4	95.3	93.3	93.4	90.7	89.6	93.2	95.2	95.7	95.1	95.2	97.6	97.6
min	6.8	13.4	12.1	3.8	5.3	4.2	4.2	8.3	12.5	12.4	5.5	13.5	3.8	3.8
<b>Duff Moisture Code, DMC</b>														
mean	34.6	39.7	32.2	20.2	8.7	3.8	2.6	4.5	10	14.8	21.6	28.7	18.3	27.3
median	29.8	37.9	27.1	17.8	6.3	2.4	2	3.1	8.9	13.5	17.9	24.7	12.1	22.5
max	107.7	117.3	109.2	73.5	44.6	27.4	11.4	19.7	31.6	48.8	81.1	103.3	117.3	117.3
min	0.4	3.8	1.6	0	0	0	0	0	0	0	0.8	0.4	0	0
<b>Drought Code, DC</b>														
mean	306.2	390.6	422.5	403.1	289.1	183.5	114.5	85.5	78.3	88.9	134	220	225.3	279.4
median	288.9	386.1	422.5	433.2	282.7	164.9	101.2	44	35.8	54.5	115.6	220.9	207.3	280.3
max	628.1	754.9	685.7	694.9	681.7	501.2	449.2	452.1	441.2	425.6	367.9	500.4	754.9	754.9
min	64.2	50.8	86.6	19.4	0.2	0	0	0	0	1	2.5	4.4	0	1
<b>Initial Spread Index, ISI</b>														
mean	11.2	8.7	7.1	4.8	3.3	2.1	2.2	2.7	5.4	7.5	10	8.5	6.1	8.3
median	6.2	5	3.9	2.7	1.5	1	1.2	1.5	2.7	3.8	4.8	4.8	2.8	4.4
max	130.7	94.3	73.4	62.3	57.8	48.9	35.7	43	73.5	83.2	87.9	64.4	130.7	130.7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Buildup Index, BUI</b>														
mean	51.6	61.2	51.9	34.9	15.7	6.7	4.2	6.7	12.9	18.8	28.3	41.2	27.6	40.9
median	46.9	60.3	46.7	31.9	11.4	3.9	2.8	3.8	10.9	16.2	24	37.4	18.5	34.9
max	137.1	146.2	143	108.5	71.6	46.6	21	29.6	49	70	84.8	115.7	146.2	146.2
min	0.8	6.5	3.1	0	0	0	0	0	0	0	1.3	0.8	0	0
<b>Fire Weather Index, FWI</b>														
mean	21.2	19.2	15.2	9.1	4.3	1.7	1.4	2.4	5.8	8.9	14.3	15.7	9.9	14.8
median	16.6	14.9	11	5.9	1.4	0.4	0.5	0.7	3.3	5.2	8.9	11	4.2	9.9
max	138.9	128.8	98.5	88.1	46.3	40.7	34	40	52	75.5	103.1	80.4	138.9	138.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daily Severity Rating, DSR</b>														
mean	9.7	8.2	5.8	2.7	0.9	0.3	0.2	0.4	1.3	2.5	5.6	5.8	3.6	5.7
median	3.9	3.2	1.9	0.6	0.1	0	0	0	0.2	0.5	1.3	1.9	0.3	1.6
max	168.7	147.6	91.8	75.4	24.1	19.2	14	18.6	29.7	57.3	99.6	64.1	168.7	168.7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Severity Rating, MSR</b>														
mean	305.5	233.6	176.2	74.4	27.6	9	5.9	11.5	37.9	79.1	172	176.6	109.1	173.9
max	738.7	556.5	644.8	210.2	123.4	64.4	45.7	43.8	101.3	326.7	644.2	392.2	738.7	738.7
min	29.7	11.3	39.1	8.8	0.3	0.1	0	0.1	4.3	9.1	4.3	24.4	0	4.3
<b>Cumulative Daily Severity Rating, CDSR</b>														
mean													1309.4	1218.2
max													2281	2432.9
min													352.8	214.4

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<b>Forest Fire Danger Class (FFDC) Frequency</b>														
<b>Low</b>														
mean	6.4	5.3	7.9	14.2	22.9	28	30	27.7	20.2	15.9	10.8	8.2	197.3	68.2
max	28	17	19	28	31	30	31	31	29	30	29	21	252	130
min	0	0	0	4	5	20	22	16	7	5	0	0	139	35
<b>Moderate</b>														
mean	7.9	9.8	13.3	11.4	6.8	1.8	1	3.2	8.6	11.7	11.5	11.1	98.1	77.1
max	15	20	27	21	21	7	8	15	19	19	23	23	143	106
min	1	3	4	2	0	0	0	0	1	1	1	5	68	55
<b>High</b>														
mean	7	6.5	5.3	2.5	1	0.2	0	0.2	1.1	2.5	4.1	5.8	36.1	33.7
max	15	14	14	9	6	3	1	2	6	8	9	12	55	55
min	0	0	2	0	0	0	0	0	0	0	0	0	16	10
<b>Very High</b>														
mean	3.6	2.5	1.7	0.8	0.2	0	0	0	0	0.8	1.2	2.5	13.2	12.9
max	8	6	7	3	1	0	0	0	1	8	6	7	31	28
min	0	0	0	0	0	0	0	0	0	0	0	0	3	2
<b>Extreme</b>														
mean	4	2.1	1.3	0.9	0.1	0	0	0	0	0.1	1.8	2.6	12.9	12.8
max	13	6	8	3	1	0	0	0	0	2	9	8	24	23
min	0	0	0	0	0	0	0	0	0	0	0	0	2	0
<b>Very Extreme</b>														
mean	2	2.1	1.5	0.3	0	0	0	0	0	0	0.7	0.9	7.6	7.6
max	7	7	9	3	0	0	0	0	0	1	8	4	19	25
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> Canterbury (Hill & high Country)														
Curing%	80	80	70	60	60	50	60	60	70	70	70	80		
<b>Low</b>														
mean	2.1	1.9	3.1	5.6	9	10.2	8.7	8.6	3.4	3.5	2.9	2.1	61.1	21.2
max	9	7	7	13	16	19	22	20	11	8	8	6	83	37
min	0	0	0	0	1	3	1	3	0	0	0	0	34	12
<b>Moderate</b>														
mean	7.6	9.3	16.4	20.9	19.3	18.2	20.8	20.5	18	15.6	13.3	11	190.9	94
max	19	25	27	27	27	25	28	28	25	22	25	21	244	140
min	1	2	5	15	13	11	9	11	12	6	2	4	145	62
<b>High</b>														
mean	11.5	11.4	7.7	2.5	2.2	1.1	1.2	1.6	6.2	7.6	7.7	10.6	71.3	59.1
max	18	19	17	7	6	4	5	6	12	15	14	17	105	81
min	1	2	2	0	0	0	0	0	1	1	0	5	51	27
<b>Very High</b>														
mean	3.8	2.2	1.5	1	0.5	0.4	0.3	0.3	1.2	2	1.9	3.2	18.1	15.6
max	7	6	6	3	5	2	3	2	3	5	5	8	28	26
min	0	0	0	0	0	0	0	0	0	0	0	0	6	4
<b>Extreme</b>														
mean	4.4	2.4	2.3	0	0	0.1	0	0	1.2	2.4	4.2	3.2	20.4	19.1
max	11	7	8	1	1	1	0	0	5	9	12	7	37	32
min	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<b>Very Extreme</b>														
mean	1.6	1	0	0	0	0	0	0	0	0	0	0.9	3.5	3.4
max	5	5	0	0	0	0	0	0	0	0	0	3	9	8
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	3.1	2.5	3.6	5.7	8.1	10.6	8.1	8.1	4.7	5.3	3.7	3.3	66.8	27.2
max	13	7	7	12	16	20	20	18	14	14	10	9	90	48
min	0	0	0	0	1	1	1	2	0	0	0	0	45	17
<b>Moderate</b>														
mean	0	0	0	0	0	0.1	0	0	0	0	0	0	0.1	0
max	0	0	0	0	1	1	0	0	0	0	0	0	1	0
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>High</b>														
mean	1.8	1.8	2.3	3.6	5.6	6.8	7.5	5.6	2.8	2.5	1.7	1.8	43.8	15.6
max	9	7	5	8	12	15	17	10	6	7	9	4	64	42
min	0	0	0	1	1	2	1	2	0	0	0	0	28	7
<b>Very High</b>														
mean	1.5	1.5	2.4	3.5	4.5	4.5	5.9	4.8	4.3	2.7	2.6	2.8	41	16.7
max	5	6	7	12	13	10	13	15	8	7	8	7	77	33
min	0	0	0	0	0	1	0	1	1	0	0	0	21	7
<b>Extreme</b>														
mean	3.9	6.2	8.6	7.5	6.3	5.4	6.6	7.5	7.2	6.5	5.7	5.7	77.1	44.2
max	12	14	21	14	15	12	14	17	14	13	13	12	111	76
min	1	1	2	2	1	0	0	2	2	2	0	0	50	22

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<b>Very Extreme</b>														
mean	20.7	16.2	14	9.6	6.5	2.7	2.8	5	11.1	14	16.3	17.4	136.4	108.6
max	30	26	27	18	15	8	10	13	19	23	28	27	189	149
min	3	2	5	2	0	0	0	0	1	7	0	8	82	37