

Station Name: Tekapo Ews (Tekapo_Ews)

Period: 2003-06-19 - 2021-07-01

Length of record: 18 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	19.5	19.1	16.5	12.9	9	5.1	4.5	6.7	10.1	12.6	15.5	17.6	12.4	16.2
median	19.5	19.2	16.6	13	8.8	5	4.6	6.8	10.1	12.7	15.3	17.8	12.4	16.3
max	31	31.2	28.8	23.8	19.3	17.1	15	17.3	20.2	23.4	26.5	26.9	31.2	31.2
min	5.2	6	3.4	0.5	-0.8	-6.8	-7.6	-2.4	0.3	0.1	1.2	3.5	-7.6	0.1
Relative Humidity, %														
mean	41.2	44.6	48.7	53.8	63.3	69.6	66.7	61.9	50.5	46	42.1	43.4	52.7	45.7
median	38	42	47	52	61	70	65	61	48	43	39	41	50	43
max	96	99	97	98	100	100	100	99	98	100	95	96	100	100
min	4	8	7	14	17	20	23	14	11	10	8	11	4	4
Wind Speed, km/h														
mean	18.3	14.9	13.8	12.4	11.1	10.2	10.8	10.8	15.8	17.3	18.9	16.7	14.2	16.1
median	13.3	11.2	9.7	8.3	7.2	7.2	7.6	7.6	10.4	12.6	14	13	10.4	11.9
max	64.8	61.2	49.3	66.2	67.7	56.5	66.2	63.4	71.6	89.3	65.9	54	89.3	89.3
min	4	1.4	2.2	1.8	0	0	0	1.4	2.5	2.5	0.9	2.9	0	0.9
24-hr Rainfall, millimeters														
mean	1.2	1.4	1	1.6	2.4	1.7	1.6	1.3	1.3	1.5	1.4	1.4	1.5	1.4
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	43.8	70.9	29.4	38.9	117.2	55.5	47.8	31.3	24.9	61.1	62.1	65.2	117.2	70.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	36.8	39.8	31.7	49.6	65	52.4	50.5	42.1	35.8	47.9	42.7	44	44.9	41.8
max	101.3	172.8	59.6	98.5	184.2	113.3	161.5	79.6	95.7	123.5	136.2	140.9	184.2	172.8
min	2.4	4.1	4.6	6.5	8.6	11.6	9.2	6	9.4	10.3	5.4	8.6	2.4	2.4
Seasonal Rainfall, millimetres														
mean													538.4	286.9
max													750.3	409.4
min													338.8	182.4
Fine Fuel Moisture Code, FFMC														
mean	84.9	83.5	81.8	76.6	67.9	64.1	68.7	69.6	77.1	78.9	82.5	82.7	76.5	81.6
median	89.6	88.4	86.9	84.7	76.2	72.6	77.2	77.3	83.6	85.2	88.1	88.1	84	87.4
max	98.4	97.3	97.2	94	92	91.7	89.1	93.2	94.4	96	96.5	96.4	98.4	98.4
min	14	10.8	16.5	2.7	1.6	6.9	2.7	5.1	14.5	15.1	6.8	9.2	1.6	2.7
Duff Moisture Code, DMC														
mean	52.3	50.2	43.5	27	9.5	3.9	2.6	5.1	12.3	20.7	31.6	44.9	25.2	38.6
median	42.4	48.6	39	23.7	6.6	2.7	2.1	3.6	10.4	19.3	28	39.8	16.2	32.8
max	163	140.3	126.8	93	55	20.2	14.9	21.5	39.3	55.8	102.3	130	163	163
min	4.9	6	3	0.2	0	0	0	0	0.1	0.5	1.9	1.3	0	0.2
Drought Code, DC														
mean	363.6	447.9	492.1	470.7	335.7	212.2	137.3	91.6	85.6	104.5	166.9	264.5	263.2	328.6
median	346.2	446	506.9	494.5	332.9	225.4	133	53.4	55.3	97.1	167.3	261.8	244.4	321.2
max	643.3	736.3	763.6	725.6	597.6	592.8	421.2	319.9	300	269.4	347.4	508	763.6	763.6
min	118.9	104.1	147.9	92.6	0.4	0.1	0	0	0.1	1	2.6	50.3	0	1
Initial Spread Index, ISI														
mean	12.8	9.1	7.5	5	2.7	1.8	2.2	2.5	5.4	7.6	10.8	9.5	6.4	8.9
median	7.8	6.2	4.7	3.3	1.4	1.1	1.4	1.5	3.3	4.4	6.5	6.6	3.2	5.5
max	96.7	69.3	55.7	65	39.8	34.1	29.1	49	62	78.7	104.4	70.3	104.4	104.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	73.6	76.2	68.4	45.7	17.2	7.1	4.6	7.8	15.7	25.5	41	60.8	36.7	55.8
median	65.4	76	65.1	41.6	12.5	4.4	3.4	4.7	13.5	24.7	39.9	57.3	25.1	49.3
max	195.9	154.2	169	132.8	88.2	37.2	26.3	30.9	53.6	65.3	103.3	150.9	195.9	195.9
min	9.3	10.5	6	0.5	0	0	0	0	0	0.9	1.8	2.5	0	0.5
Fire Weather Index, FWI														
mean	27.6	23	18.7	11.2	3.9	1.6	1.5	2.5	6.7	11.1	18.8	21.2	12.2	18.8
median	23.4	20	14.9	8.5	1	0.5	0.6	0.6	4.4	7.8	14.8	17.9	5.9	14.4
max	134	119	105	107.8	40.3	34.4	20.4	42.4	46.3	79.3	101.2	104.3	134	134
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	14.1	10	7.6	3.5	0.7	0.2	0.2	0.4	1.4	3.3	7.7	9	4.8	7.9
median	7.2	5.4	3.2	1.2	0	0	0	0	0.4	1	3.2	4.5	0.6	3
max	158.4	128.4	102.8	107.7	18.9	14.3	5.7	20.7	24.1	62.6	96.4	101.7	158.4	158.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	448.9	282.1	231.6	91.2	20.7	6.7	4.9	11.4	45.2	103.3	231.6	250.4	144	234.2
max	1020.3	492.1	697.3	195.9	92.7	38.5	16.5	48.2	119.6	403.9	606.7	505.8	1020.3	1020.3
min	165.2	83.5	49.4	21.5	0.2	0	0	0.1	11.6	36.8	24.4	66.2	0	21.5
Cumulative Daily Severity Rating, CDSR														
mean													1728	1672.8
max													2575.8	2706.4
min													832.5	761.8

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	3.8	3.9	6.8	10.1	22.6	28.2	29.5	26.9	17.4	12.6	6.2	6.1	174.2	48.5
max	10	12	14	21	31	30	31	31	28	23	22	16	228	71
min	0	0	0	2	10	21	23	10	3	2	0	0	135	23
Moderate														
mean	6.6	6.9	9.9	14	7.4	1.6	1.5	3.7	10.4	12.5	10.4	8.4	93.2	68.3
max	17	14	16	24	18	7	8	19	23	18	20	16	160	102
min	1	2	4	6	0	0	0	0	2	7	2	2	62	53
High														
mean	5.6	7.3	6.7	3.6	0.8	0.1	0	0.4	1.7	4.1	6.7	6.5	43.5	41.2
max	12	12	12	11	7	2	0	2	6	10	13	11	67	56
min	3	2	2	0	0	0	0	0	0	1	0	1	17	18
Very High														
mean	4.6	4	2.8	0.8	0.2	0	0	0	0.5	1.3	2.6	4.5	21.4	20.8
max	11	8	8	6	2	0	0	0	4	5	5	9	32	32
min	0	0	0	0	0	0	0	0	0	0	0	0	9	5
Extreme														
mean	5.2	3.6	2.5	1.1	0	0	0	0	0	0.6	2.6	3.3	18.9	19.3
max	12	9	7	5	0	0	0	0	0	6	7	10	35	37
min	1	0	0	0	0	0	0	0	0	0	0	0	8	9
Very Extreme														
mean	5	2.6	2.4	0.4	0	0	0	0	0	0	1.5	2.2	14.1	14.1
max	15	7	11	3	0	0	0	0	0	0	8	7	24	31
min	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Grass Fire Danger Class (GFDC) Frequency														
Curing source Canterbury (Hill & high Country)														
Curing%	80	80	70	60	60	50	60	60	70	70	70	80		
Low														
mean	1.4	1.6	2.6	5	9.5	10	8.1	8.7	3.1	2.9	1.8	1.9	56.5	16.7
max	3	6	5	11	19	21	25	19	6	7	6	5	71	24
min	0	0	0	0	3	1	0	2	0	0	0	0	38	11
Moderate														
mean	6.2	6.2	14.4	21.1	19.9	18.9	21.8	20.6	18	15	10.8	8.5	181.4	82.1
max	14	12	20	26	26	27	28	27	23	20	18	15	204	100
min	1	1	5	16	12	9	6	12	14	8	0	2	148	61
High														
mean	11.4	13.8	9.8	3.3	1.4	0.8	0.9	1.5	6.2	8.3	10.7	12.2	80.2	69.6
max	16	24	18	9	5	2	3	6	11	15	16	18	115	87
min	5	7	6	0	0	0	0	0	3	2	3	4	64	51
Very High														
mean	4.5	3.3	2.2	0.6	0.2	0.3	0.2	0.2	1.8	2.6	2.8	4.5	23.2	20.4
max	9	10	5	2	3	2	2	2	3	5	9	8	32	28
min	0	0	0	0	0	0	0	0	0	0	0	1	13	13
Extreme														
mean	5.8	2.5	2.1	0	0	0	0	0	0.9	2.2	3.9	3.3	20.7	19.9
max	11	5	6	0	0	0	0	0	4	9	7	7	30	34
min	3	0	0	0	0	0	0	0	0	0	0	0	9	7
Very Extreme														
mean	1.8	0.8	0	0	0	0	0	0	0	0	0.1	0.7	3.3	3.6
max	4	2	0	0	0	0	0	0	0	0	1	3	7	8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scrub Fire Danger Class (SFDC) Frequency														
Low														
mean	2	2.3	3.1	4.8	8.8	10.1	7.6	7.6	3.8	3.8	2.5	2.6	59.1	20.7
max	5	7	6	10	16	21	25	18	7	8	7	8	71	30
min	0	0	0	0	4	1	0	1	0	0	0	0	40	14
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	0.8	1.4	2.5	3	5.8	6.7	7.6	7.3	2.9	2.4	1.4	2	43.8	13
max	3	4	4	6	11	19	17	11	8	7	4	5	65	20
min	0	0	0	1	1	1	2	1	0	0	0	0	30	8
Very High														
mean	1.9	1.5	1.7	2.5	4.7	6.3	5.9	4.2	2.7	3.2	1.9	2.1	38.6	14.4
max	5	4	5	9	11	15	12	8	7	7	4	6	53	23
min	0	0	0	0	0	0	0	1	0	0	0	0	25	9
Extreme														
mean	3.2	3.1	6.9	8.7	6.1	4.8	6.7	7.5	8.2	5.4	4.5	3.8	68.8	36
max	7	9	12	14	14	12	12	17	16	12	9	8	97	56
min	0	0	2	5	1	0	0	1	4	1	0	1	46	21

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Very Extreme														
mean	23.1	20	16.8	11.1	5.6	2.1	3.1	4.4	12.5	16.3	19.7	20.5	155	128.2
max	30	26	28	18	14	7	9	11	22	22	29	28	192	152
min	15	13	9	3	0	0	0	0	7	8	8	13	124	101