

Station Name: Nelson Aero (NSA)

Period: 1963-01-01 - 2021-07-01

Length of record: 58 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
<b>Temperature, degrees Celsius</b>														
mean	20.7	20.9	19.5	16.8	13.8	10.9	10.2	11.6	13.5	15.4	17.2	19.1	15.8	18.5
median	21	21	19.7	17	14	11	10	11.6	13.5	15	17	19	16	18.6
max	31.1	33	28	25	21	18.5	25	20	21	24	26	28	33	33
min	13	12	9	9	6	3.8	4.4	5	6.6	7.7	11	10	3.8	7.7
<b>Relative Humidity, %</b>														
mean	64.8	64.4	64.9	66.2	69.7	73	72.3	69.7	67.3	66.9	65.9	67.5	67.7	65.8
median	65	65	65	66	69	73	72	70	67	67.1	67	69	68	66
max	100	100	100	100	100	100	100	100	100	100	100	100	100	100
min	18	21	12	31	28	29	21	29	29	26	19	25	12	12
<b>Wind Speed, km/h</b>														
mean	21.6	19.1	17.1	13.7	11.4	9.6	9.3	11.9	16.8	20.3	22.5	22.3	16.3	19.5
median	20.4	18.5	15	11.1	7.4	5.7	6	9.3	14.8	19	22	22	15	18.5
max	64.8	55.6	66.7	57.4	64.8	57	59.3	57.4	59.3	66.7	63	63	66.7	66.7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>24-hr Rainfall, millimeters</b>														
mean	2.2	2	2.4	3	3.2	3.2	2.9	2.9	2.7	2.7	2.5	2.7	2.7	2.5
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	138.4	97.8	145.2	113.8	94	84.2	83.2	137.4	85	78.4	95.4	148	148	148
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Rainfall, millimetres</b>														
mean	70.2	57.5	74.4	88.7	97.4	96.3	91.4	91.4	81.6	82.3	73.6	83.6	82.4	75.8
max	253.6	228.8	214.7	315.8	354.2	432.5	335.9	257.7	229.3	210.8	221.5	445.2	445.2	445.2
min	4	2.9	8.2	3.4	15.6	10.2	8.4	15	12.4	6.4	4.4	9	2.9	2.9
<b>Seasonal Rainfall, millimetres</b>														
mean													988.5	529.2
max													2205.1	1143.2
min													587.8	242.4
<b>Fine Fuel Moisture Code, FFMC</b>														
mean	78.8	79.5	77.3	73.5	68.5	63.8	64.3	65.4	69.5	72.2	75.1	75.6	71.9	76
median	84.2	84.9	84.1	82.7	79.2	74.2	75.4	74.9	78.7	80.7	82.4	82.6	81.2	83.3
max	94.7	95	94.7	89.8	88.3	88.2	87.8	88.8	90.1	91.1	93.2	92.2	95	95
min	2.4	5	2.1	1.3	0.6	0.5	0	1.3	1.5	0.8	0.9	2.6	0	0.8
<b>Duff Moisture Code, DMC</b>														
mean	23.1	29.2	23.3	15.1	7.5	3.8	3.4	3.8	6.2	9.7	14.9	18	13.1	19
median	20.4	23.6	17.7	11.6	5.8	2.8	2.8	3.2	5.2	7.8	12.6	14.7	8.2	14.8
max	78.8	104.1	107.2	89.3	48.7	28	14.1	18.4	27.9	41.5	69.7	87.1	107.2	107.2
min	0.8	0.2	0.6	0	0	0	0	0	0	0	0	0	0	0
<b>Drought Code, DC</b>														
mean	238.5	308.9	297.5	240.9	148	70.1	36.7	27	24.1	41	95.2	162.4	140.6	197.3
median	234.6	313	289.5	226.7	127.4	34.6	14.5	15.2	18.4	33.9	84.6	156.2	90	175.3
max	547.6	742.7	759	716.9	605.2	411.3	369.7	275.2	109.5	169.2	278.6	423.2	759	759
min	7.1	6.3	4.2	2.9	1.3	0.6	0.6	1	0.9	2.4	4.4	5.7	0.6	2.4
<b>Initial Spread Index, ISI</b>														
mean	6.4	5.7	4.8	3.4	2.4	1.6	1.6	2	3	4.2	5.4	5.4	3.8	5
median	5.1	5	4	2.6	1.6	1.1	1.1	1.3	2.2	3.1	4.2	4.4	2.5	4
max	51.1	72.7	44.7	38.4	28.3	24.3	18.2	23.5	31	38.1	45	66.2	72.7	72.7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Buildup Index, BUI</b>														
mean	35.8	45.6	37.2	24.6	12.2	5.9	4.7	4.8	7.2	11.8	20.6	26.9	19.7	28.8
median	32.6	38.1	30	19.1	9.5	4.2	3.6	4.1	6	9.7	17.7	23.2	12.2	22.7
max	105.6	154.2	158.4	136.2	77.2	40.2	23.9	24.4	31.7	46.4	80.5	108.4	158.4	158.4
min	1.4	0.4	0.9	0	0	0	0	0	0	0	0	0	0	0
<b>Fire Weather Index, FWI</b>														
mean	12.6	13.1	10.1	5.9	2.9	1.3	1.1	1.4	2.8	4.9	8.2	9.5	6.1	9.2
median	10.7	11.8	8.4	4.5	1	0.5	0.5	0.6	1.3	3.2	6.5	7.8	2.9	7.2
max	70.5	112.1	68.8	49.8	42.1	26.6	17.7	20.6	27.6	45.4	53.7	83.6	112.1	112.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daily Severity Rating, DSR</b>														
mean	3.5	3.7	2.5	1.1	0.4	0.1	0.1	0.1	0.3	0.8	1.8	2.3	1.4	2.2
median	1.8	2.1	1.2	0.4	0	0	0	0	0	0.2	0.8	1	0.2	0.9
max	50.8	115.4	48.6	27.5	20.4	9.1	4.4	5.7	9.6	23.3	31.4	68.7	115.4	115.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Severity Rating, MSR</b>														
mean	109.9	104.2	79.5	33	12.8	4.1	2.5	3.9	10.3	26.2	55	70	42.6	68.3
max	327.1	548.7	275.3	96.4	42.7	26.1	12.2	18.9	39.9	81	181.5	284.4	548.7	548.7
min	11.6	14.5	8.9	1.2	0.8	0.1	0.1	0.1	1	3	3.7	8.6	0.1	1.2
<b>Cumulative Daily Severity Rating, CDSR</b>														
mean													511.4	476.5
max													1192.6	1213.4
min													156.3	93.6

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
<b>Forest Fire Danger Class (FFDC) Frequency</b>														
<b>Low</b>														
mean	8.1	6.5	10.4	16	25.6	28.7	30.6	30.2	26.2	20.9	13.4	11.5	228.4	86.9
max	22	25	24	30	31	30	31	31	30	31	29	29	293	155
min	0	0	0	0	11	16	27	24	13	4	0	0	177	42
<b>Moderate</b>														
mean	13.6	12.7	14.1	12.2	5	1.2	0.4	0.8	3.8	9.4	13.2	14.2	100.6	89.6
max	24	22	27	27	18	13	4	7	16	27	25	24	139	124
min	4	1	4	0	0	0	0	0	0	0	1	2	60	57
<b>High</b>														
mean	6.3	6	4.6	1.5	0.3	0.1	0	0	0	0.6	2.5	4	25.8	25.5
max	17	20	23	9	4	2	0	0	1	6	15	14	58	58
min	0	0	0	0	0	0	0	0	0	0	0	0	3	1
<b>Very High</b>														
mean	1.6	1.6	1	0.2	0	0	0	0	0	0	0.5	0.8	5.8	5.7
max	7	11	6	2	2	0	0	0	0	1	4	7	21	21
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Extreme</b>														
mean	1.2	1.2	0.6	0.1	0	0	0	0	0	0	0.3	0.4	3.9	3.8
max	8	9	8	1	1	0	0	0	0	1	3	3	14	15
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Very Extreme</b>														
mean	0.2	0.2	0.2	0	0	0	0	0	0	0	0	0.1	0.7	0.7
max	4	4	5	0	0	0	0	0	0	0	0	4	6	6
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 Nelson (Nelson/Tasman)</b>														
Curing%	80	90	95	80	60	50	40	40	50	65	70	80		
<b>Low</b>														
mean	1.8	1.7	2.5	4.3	8.9	10.2	11.2	10.4	6.7	4.9	3.1	2.9	68.6	21.2
max	7	8	9	13	16	18	24	19	15	11	11	15	104	48
min	0	0	0	0	3	0	1	2	1	0	0	0	48	7
<b>Moderate</b>														
mean	9.8	6.7	9.3	18.1	20.4	18.7	19.1	19.5	20.7	20.5	15	11.4	189.1	90.7
max	19	17	17	26	28	29	30	27	26	26	24	20	220	117
min	1	1	2	10	11	10	6	12	14	10	7	3	159	59
<b>High</b>														
mean	14.8	15	14.5	6	1.6	1	0.7	1.1	2.3	4.6	10	13.1	84.7	78.2
max	22	23	26	15	6	5	3	6	7	14	20	24	114	114
min	8	5	5	0	0	0	0	0	0	0	0	4	53	43
<b>Very High</b>														
mean	2.8	3.3	2.8	1.1	0.1	0.1	0	0	0.3	0.9	1.4	2.8	15.6	15.1
max	9	9	9	7	1	1	0	1	2	4	6	10	32	30
min	0	0	0	0	0	0	0	0	0	0	0	0	4	4
<b>Extreme</b>														
mean	1.7	1.4	1.7	0.5	0	0	0	0	0	0	0.5	0.9	6.8	6.7
max	6	7	8	6	0	0	0	0	0	1	3	5	16	14
min	0	0	0	0	0	0	0	0	0	0	0	0	1	1
<b>Very Extreme</b>														
mean	0.1	0.1	0.2	0	0	0	0	0	0	0	0	0	0.4	0.4
max	1	3	2	0	0	0	0	0	0	0	0	2	3	3
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	3.3	2.7	4.2	5.7	8	10.1	10.2	9.9	7.8	6.4	4.8	4.7	77.7	31.8
max	8	9	11	16	16	18	23	19	16	13	13	17	115	57
min	0	0	0	0	2	1	0	2	1	0	0	0	56	12
<b>Moderate</b>														
mean	0	0	0.1	0.1	0.1	0.1	0.2	0.1	0	0	0	0	0.6	0.1
max	0	0	2	1	1	2	1	2	1	1	0	0	6	3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>High</b>														
mean	1	0.8	1.6	3	4.8	5.9	6.2	5.1	2.8	1.7	1.1	0.9	34.8	10.1
max	4	4	5	8	10	14	15	12	7	6	4	3	59	18
min	0	0	0	0	0	0	1	0	0	0	0	0	18	3
<b>Very High</b>														
mean	2.1	1.8	2.4	3.4	6.2	6.7	7	5.9	3.9	3.3	2.4	2.3	47.5	17.7
max	7	5	8	9	13	15	20	15	10	7	7	5	63	32
min	0	0	0	0	1	1	2	0	0	0	0	0	31	8
<b>Extreme</b>														
mean	6	5.6	8.4	11	7.7	4.8	5.5	6.9	8.8	8.3	6.8	7.1	86.8	53.3
max	13	14	16	21	21	17	18	14	16	17	15	15	121	70
min	0	1	1	3	1	0	0	1	1	1	2	3	62	37

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
<b>Very Extreme</b>														
mean	18.7	17.3	14.3	6.9	4.3	2.3	1.9	3.2	6.7	11.2	14.9	16	117.8	99.3
max	30	26	23	17	11	8	7	11	17	23	25	27	168	134
min	5	7	4	0	0	0	0	0	0	3	3	5	63	52