

Station Name: Lumsden Aws (LUX)

Period: 1991-10-01 - 2021-07-01

Length of record: 29 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	17.8	17.6	15.6	13.1	10	7	6.6	7.9	10.4	12.5	14.3	16.4	12.4	15.3
median	17.8	18	15.1	13	10	6.9	6.3	7.9	10.3	12.2	14	16	12.1	15
max	29.7	30	26.6	25	20.4	19.8	16.2	18.3	22	23.4	26	27.5	30	30
min	7	6	3	0.8	0	-3.5	-3.1	-1.8	-0.3	1.6	2	5	-3.5	0.8
Relative Humidity, %														
mean	61.1	64.3	66.1	70	75	78.5	76.6	72.7	65.9	61.8	60.4	61.7	67.8	63.6
median	60	63	66	70	76	80.2	77	73	66	61	59	61	68	63
max	100	100	100	100	100	100	100	100	100	100	100	100	100	100
min	14	17.7	23	29.2	29.5	38	31.8	31.2	20.1	19	21	18.2	14	14
Wind Speed, km/h														
mean	17	14.1	14	12.2	11.7	10.1	10.4	11.1	14.4	17.7	17.4	15.9	13.9	15.5
median	14.3	11.1	11	9.3	9	7.4	7.4	7.4	11.1	15	14.8	13	11	13
max	62	53	69.1	56.7	51.4	55.4	68.9	77.3	61.4	62.4	90	58.7	90	90
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24-hr Rainfall, millimeters														
mean	3.2	3.3	2.8	2.7	2.9	2.5	2.2	2.1	2.4	2.9	2.9	3.4	2.8	3
median	0	0	0	0	0.2	0.2	0.2	0.2	0	0.2	0	0	0.2	0
max	67.8	76.6	56.6	58.8	39	32.2	55.2	32.6	38.2	54	59.6	52.2	76.6	76.6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	95.5	95.4	88.6	82.2	89.7	75.1	67.3	64.5	72.6	91.3	86.5	103.5	84.4	91.9
max	198.4	202	170	235	150.2	190	160.1	214	214	226	190.6	220	235	235
min	34.4	13.6	17.6	2.6	1.6	15.8	17.2	18	30.4	25	5.8	20.6	1.6	2.6
Seasonal Rainfall, millimetres														
mean													1012.2	642.2
max													1620	1216.2
min													593.2	368.7
Fine Fuel Moisture Code, FFMC														
mean	72	70.9	68.1	64	56.6	50.1	56.6	59.3	65.3	67.1	70.3	69.6	64.1	68.8
median	80.6	79.8	75.8	72.4	61.1	51	61.8	64.6	72.3	73.2	77.8	77.6	71.2	76.8
max	95.6	95	92	89.9	90.5	88	89.7	88.2	91.7	93.3	93.8	93.2	95.6	95.6
min	0.8	0.8	1.9	0.2	0	3.4	3	1.2	5.4	10.6	7.1	2.5	0	0.2
Duff Moisture Code, DMC														
mean	12.9	13.1	11.1	6.8	3.4	1.4	1.2	2.2	4.5	6.6	10.1	11.9	7.1	10.4
median	10.2	11.5	7.7	5.3	1.7	0.5	0.7	1.7	3.7	5	8	9	4.4	8
max	72.2	43.9	72.1	28.8	35.1	35.5	13.2	11.6	23.2	27.2	49.5	65.8	72.2	72.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Drought Code, DC														
mean	141.8	169.6	169.2	157	102.5	51.7	27.4	19.8	17.4	29.3	59.9	106.8	87.8	118.5
median	135.4	174	159.1	149.4	69.3	10	7.6	9.4	10.3	20.2	49.5	99.9	50.7	96.5
max	414.8	406.9	486.3	438.5	456.3	459.5	294.3	123.9	129.1	174.4	241.4	323.9	486.3	486.3
min	5.1	4.1	3	1.6	0.1	0	0	0	0	1.6	2.9	4.7	0	1.6
Initial Spread Index, ISI														
mean	5.1	3.8	3.5	2.3	1.6	1	1.2	1.7	2.7	3.8	4.3	3.8	2.9	3.8
median	2.6	2.2	1.5	1.2	0.7	0.3	0.6	0.8	1.3	1.7	2.3	2	1.2	1.8
max	55.3	64.9	49.9	33.9	26.9	26.9	47.6	29.6	39.4	46.8	46.4	50.9	64.9	64.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	20.1	21	18.2	11.7	5.8	2.3	1.8	2.9	5.1	8	13.7	17.7	10.7	15.8
median	16.5	19.3	13.4	9.1	2.7	0.8	1	2.1	3.9	5.9	11	14.1	6.3	12.3
max	91.3	64.2	104.5	49.4	58.9	59.5	19.6	14.1	27.4	37.6	60.2	85.3	104.5	104.5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Weather Index, FWI														
mean	7.5	5.9	5.1	2.8	1.3	0.6	0.6	1	2.1	3.6	5.2	5.6	3.5	5.1
median	3.9	3.4	1.4	0.7	0.3	0.1	0.2	0.3	0.5	0.8	2.2	2.2	0.6	1.9
max	69.3	59.7	54.5	30.8	21.5	22.4	28	18.4	29.6	44.6	53.8	49.4	69.3	69.3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	2	1.3	1.3	0.4	0.2	0.1	0	0.1	0.3	0.7	1.2	1.2	0.7	1.2
median	0.3	0.2	0	0	0	0	0	0	0	0	0.1	0.1	0	0.1
max	49.3	37.8	32.2	11.7	6.2	6.7	9.9	4.7	10.9	22.5	31.5	27.1	49.3	49.3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	63.2	37.5	40	12.6	5.1	1.7	1.5	3.4	8.9	20.6	35.7	38.3	22.4	35.4
max	278	107.6	287.6	35.2	42.9	12.1	11	10	34.3	93.8	139.7	120.5	287.6	287.6
min	6.1	2.7	1.3	0.3	0.1	0	0	0	0.1	1.4	4.1	3.5	0	0.3
Cumulative Daily Severity Rating, CDSR														
mean													268.4	244.6
max													573.7	563.9
min													44.3	27.8

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Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	17.6	16.8	22.4	24.5	28.9	29.7	30.9	30.6	27.7	25.8	21.2	20.1	296.2	148.8
max	29	28	31	30	31	30	31	31	30	31	29	31	358	208
min	2	6	2	10	6	26	28	28	20	12	4	5	208	96
Moderate														
mean	9.7	9.3	6.4	5.1	2	0.3	0.1	0.4	2.3	4.8	7.3	8.2	56	50.8
max	20	17	16	18	23	4	3	3	10	16	24	18	129	90
min	2	0	0	0	0	0	0	0	0	0	1	0	7	4
High														
mean	2.3	1.5	1.1	0.4	0.1	0	0	0	0	0.3	1	2.1	8.9	8.7
max	10	6	6	3	2	1	0	0	0	5	6	12	25	21
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very High														
mean	0.8	0.5	0.3	0	0	0	0	0	0	0.1	0.3	0.4	2.4	2.3
max	5	3	3	1	0	0	0	0	0	1	4	3	6	8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0.5	0.2	0.6	0	0	0	0	0	0	0	0.1	0.2	1.6	1.5
max	5	2	10	0	0	0	0	0	0	0	3	2	10	10
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	0.1	0	0.1	0	0	0	0	0	0	0	0	0	0.2	0.2
max	1	0	2	0	0	0	0	0	0	0	0	0	2	2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source Southland (Northern Southland)														
Curing%	70	70	60	60	55	50	50	40	40	45	50	60		
Low														
mean	5.6	5.9	9.5	11.6	14	18.5	15.7	14.5	10.3	9.3	6.8	8.3	130	56.8
max	13	16	19	26	26	27	28	26	20	21	13	17	202	100
min	0	1	1	0	0	10	2	6	3	2	0	1	74	32
Moderate														
mean	16.6	16.7	17.7	16.5	15.1	10.8	14.5	15	17.1	17.1	17.8	18.7	193.5	121.5
max	22	22	26	29	30	20	28	25	26	25	26	23	239	143
min	8	10	12	4	5	3	3	5	9	9	12	11	147	100
High														
mean	5.4	4.1	3.2	1.8	1.7	0.7	0.8	1.4	2.4	3.8	4.2	3.6	33.1	26.1
max	11	11	13	8	13	3	2	6	9	9	11	10	64	46
min	0	0	0	0	0	0	0	0	0	0	1	0	13	8
Very High														
mean	2.6	1.3	0.7	0.1	0.2	0.1	0	0.1	0.1	0.7	1	0.3	7.2	6.5
max	7	6	6	1	3	1	0	1	2	3	4	3	21	17
min	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Extreme														
mean	0.8	0.3	0	0	0	0	0	0	0	0.1	0.2	0	1.4	1.4
max	7	1	0	0	0	0	1	0	0	1	2	0	8	8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	0	0	0	0	0	0	0	0	0	0	0	0	0	0
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scrub Fire Danger Class (SFDC) Frequency														
Low														
mean	7.1	6.6	9.2	11	15	18.9	14.8	13.4	10.2	10.1	7.6	8.6	132.4	59.9
max	14	16	17	26	27	30	28	25	19	21	15	16	217	110
min	0	1	1	1	0	9	2	5	3	2	0	1	80	35
Moderate														
mean	0	0.1	0	0	0.2	0.4	0.3	0.2	0.1	0.1	0	0	1.5	0.3
max	1	1	1	1	2	3	3	1	1	1	0	0	4	2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	3.2	3.6	5.1	5.2	5.8	4.7	7.7	7.3	5.1	3.6	3.5	3.2	58	27.5
max	6	9	11	12	11	14	16	17	12	8	8	7	81	44
min	1	0	1	0	1	0	0	1	0	0	0	0	29	15
Very High														
mean	3.4	3.6	4.6	4.3	3.9	2.4	3.4	4.1	4	3.3	3.2	4.1	44.4	26.7
max	8	9	14	9	12	8	9	12	9	8	9	11	68	44
min	0	0	1	0	0	0	0	0	0	0	0	1	26	12
Extreme														
mean	6.7	7.4	5	4.6	3.2	2	3	2.9	5.3	5.2	7.3	6.7	59.3	43.1
max	14	12	10	11	13	5	12	7	10	15	13	13	88	59
min	1	2	1	1	0	0	0	0	2	1	1	2	36	30

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Very Extreme														
mean	10.6	7	7	4.9	2.9	1.6	1.8	3.1	5.3	8.7	8.4	8.4	69.7	54.8
max	26	16	17	13	21	8	7	9	16	18	17	22	140	102
min	2	2	1	0	0	0	0	0	0	1	3	1	33	24