

Station Name: Ranfurly Ews (RLY)

Period: 2001-02-19 - 2021-07-01

Length of record: 20 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	18.8	18.1	16	12.2	8.4	5.2	4.8	7.1	10.5	12.7	15.2	17.6	12.2	15.8
median	18.8	18.1	16	12	8.1	4.8	4.4	6.9	10.4	12.6	15.1	17.8	12	15.7
max	32.1	30.8	29.3	22.4	21	15.9	16.7	17.6	21.2	24	27.1	28.4	32.1	32.1
min	7.1	4.3	4.4	1.9	-4.4	-3.8	-5.6	-3.3	-0.4	1.6	1.8	4.9	-5.6	1.6
Relative Humidity, %														
mean	49	51.9	55.9	63.1	71	74.1	72.9	67.9	56.4	52.9	49.1	49.1	59.6	53.1
median	48	49	56	63	73	76	74	68	56	52	47	47	59	52
max	98	97	100	100	100	100	100	100	100	95	99	95	100	100
min	10	15	14	21.9	23	31	35	27	17	22	17	15	10	10
Wind Speed, km/h														
mean	13.7	11	10.7	9.4	8.6	7.8	7.6	8.8	12.4	13.5	14.1	13.5	10.9	12.2
median	11.6	8.6	7.6	6.5	5.4	5	4.7	5.8	9.3	11.2	12	11.4	8	9.8
max	50.9	45	49.9	50.9	55.4	41.6	53.7	41	53.7	51.8	53.1	47.5	55.4	53.1
min	0	0	0	0	0	0	0	0	0	0	0.3	0.3	0	0
24-hr Rainfall, millimeters														
mean	1.8	1.6	1	1.1	1.2	1.1	0.7	0.6	0.9	1.3	1.4	1.8	1.2	1.4
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	65	53.6	41	57.8	52.8	33.4	25	18.4	37.8	26.8	39.2	56.6	65	65
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	51.1	45.8	33.5	36.1	36.1	33.3	21.6	18.9	26.7	38.8	41.3	54.3	36.5	43
max	136.8	136.6	108.2	69	80	115.6	70.4	52.6	57.4	88.2	130.8	122.4	136.8	136.8
min	6.6	12.6	0.4	10	7.4	0	1.6	3.4	4.6	13.6	1.2	10.6	0	0.4
Seasonal Rainfall, millimetres														
mean													437.5	304.7
max													643.6	458
min													300.8	189
Fine Fuel Moisture Code, FFMC														
mean	80.9	79.9	79.7	75.9	68	66.6	70	72.9	77.8	77.5	79.7	79.3	75.6	79
median	86.5	86.5	85.1	81.4	75.9	73.6	77.1	78.8	83	83.2	85.9	85.9	81.9	85
max	97.1	95	94.9	91.8	90.9	90	88	90.4	93.5	92.9	94.6	95.3	97.1	97.1
min	10.2	7	16.2	9.2	2.4	7.1	6	11.4	10.6	19.9	6.6	19.8	2.4	6.6
Duff Moisture Code, DMC														
mean	33.6	34.1	35.9	28.2	13.5	6.7	4.6	6.9	14.7	19	28.2	34	21.5	30.4
median	27.5	32.8	34.5	20.8	9.8	4.2	3.8	5.9	13.4	17.4	23.8	30	15.1	26
max	112.4	112.6	96.6	104	61.6	49	18.2	21.3	45.4	50	82	110.5	112.6	112.6
min	1.5	2.4	1.1	1.9	0	0	0	0	1.1	2.8	1.1	1.2	0	1.1
Drought Code, DC														
mean	387.5	417.5	448	461.6	397	331.5	282.1	266	265.8	272.6	313.1	374.5	352.1	382.7
median	369	421.3	466.9	467	390.9	340.1	307.6	252.7	275.1	289	325.9	389.3	345.4	383
max	829.1	844.3	710.4	723.3	669.2	672	567.2	456.7	463.8	447.6	554.7	625.4	844.3	844.3
min	91.7	150.6	127.9	137.3	103.6	87	87.3	108.2	118.8	66.9	37.6	82.4	37.6	37.6
Initial Spread Index, ISI														
mean	6.7	5	4.7	2.9	1.9	1.6	1.6	2.2	4.1	4.4	5.9	5.6	3.9	5
median	4.4	3.9	3.2	2	1.2	0.9	1.2	1.4	2.7	2.9	4.3	4.4	2.2	3.4
max	93.8	37.1	47.7	56.6	32.9	25.3	24.3	18.7	38.6	55.5	47.9	68.6	93.8	93.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	53.9	55.1	58.1	47.1	24	12.3	8.6	12.5	25.1	31.6	44.4	53.3	35.4	49.1
median	45.7	54.6	57.4	37.3	18.2	8	7.3	11.2	23.3	29.5	40.7	49.4	26.8	43.6
max	167.6	168.9	138.7	147.5	97	82.9	32.5	37.4	65.7	72.5	119.5	145.1	168.9	168.9
min	3	4.8	2.1	3.6	0	0	0	0	2.1	5.4	2.1	2.4	0	2.1
Fire Weather Index, FWI														
mean	15.7	13.1	12.6	7.6	3.5	1.8	1.5	2.7	7	8.4	13.2	13.9	8.4	12.1
median	11.5	11.4	9.9	4.5	1.1	0.6	0.6	0.9	4.8	6.3	10.9	11.6	4.2	9.1
max	124.5	62.9	71.9	93.9	33.4	40.6	23.9	29.3	49.5	71.5	81.4	92.3	124.5	124.5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	5.8	3.8	3.8	1.9	0.6	0.2	0.1	0.4	1.5	2	4	4.4	2.4	3.7
median	2	2	1.6	0.4	0	0	0	0	0.4	0.7	1.9	2.1	0.3	1.3
max	139	41.5	52.6	84.4	13.5	19.2	7.5	10.8	27.1	52	65.5	81.8	139	139
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	187.4	109.2	112.1	44.5	18.9	8	4.8	11.1	45.2	62.8	124.6	139.7	72.4	111.5
max	547.4	226.4	308.1	195.8	117.4	37.7	21	40.5	170.5	178.1	402.7	426.4	547.4	547.4
min	22.4	28.7	6.3	3.5	0.1	0.1	0.1	0.5	13.3	14.5	16	28	0.1	3.5
Cumulative Daily Severity Rating, CDSR														
mean													868.6	763.9
max													1514.8	1305.3
min													306.3	267.4

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Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	7.6	7	9.7	15.8	24.1	27.2	29.1	25.9	14.2	12.4	8.3	8.4	189.7	69.3
max	18	16	26	28	31	30	31	31	23	25	20	18	255	105
min	0	1	0	6	3	16	21	17	1	5	0	1	132	40
Moderate														
mean	10.8	11.6	12	10.8	5.4	2.5	1.9	4.5	13.2	14.3	11.1	10.7	108.8	82.2
max	20	17	20	21	16	12	9	12	19	21	19	19	142	105
min	3	7	5	2	0	0	0	0	7	5	5	3	76	54
High														
mean	5.6	5.6	4.9	2.4	1.2	0.2	0.1	0.5	1.8	2.8	6.2	6.4	37.6	33.9
max	14	12	12	11	8	3	1	5	7	7	15	12	60	52
min	1	1	0	0	0	0	0	0	0	0	0	2	11	18
Very High														
mean	2.7	1.9	2.3	0.5	0.2	0.1	0	0.1	0.6	1	2.3	2.6	14.3	12.9
max	8	5	8	4	2	1	0	1	4	4	5	7	33	20
min	0	0	0	0	0	0	0	0	0	0	0	0	3	1
Extreme														
mean	2.5	1.9	1.5	0.4	0.2	0.1	0	0	0.3	0.5	1.6	1.9	10.7	9.8
max	8	7	6	3	3	1	0	0	4	4	7	7	21	21
min	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Very Extreme														
mean	1.7	0.3	0.6	0.1	0	0	0	0	0	0.1	0.6	0.9	4.3	4
max	8	2	3	1	0	0	0	0	0	1	6	6	14	13
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1.8	2.4	2.9	4.8	8.9	8.8	8.8	4.5	4.4	4.1	3.7	3.2	58.4	23
max	5	7	10	11	21	21	27	10	12	15	8	7	84	39
min	0	0	0	2	0	0	0	0	0	0	0	0	43	14
Moderate														
mean	12.4	9.7	16.7	23.6	20.5	20.4	21.7	23.4	21.9	22.4	18.7	14.7	226.2	118.2
max	20	16	25	28	29	30	30	28	29	27	25	20	260	139
min	5	5	9	19	10	8	4	18	14	13	10	6	196	96
High														
mean	10.3	10.8	8	1.4	1.5	0.5	0.5	2.7	3.4	4	6.8	10.7	60.7	52.4
max	18	16	17	4	9	2	2	7	9	9	17	16	81	74
min	6	5	2	0	0	0	0	0	0	1	3	3	45	42
Very High														
mean	3.8	3.5	2.2	0.1	0.1	0.3	0.1	0.3	0.3	0.5	0.7	1.9	13.8	12.7
max	8	7	6	1	1	3	1	3	1	2	3	7	24	27
min	1	0	0	0	0	0	0	0	0	0	0	0	2	3
Extreme														
mean	2.4	1.7	1.1	0	0	0	0	0	0	0.1	0	0.5	5.7	5.4
max	7	6	3	0	0	0	0	0	0	1	0	2	12	12
min	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Very Extreme														
mean	0.3	0.1	0.1	0	0	0	0	0	0	0	0	0	0.5	0.4
max	2	1	1	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
Scrub Fire Danger Class (SFDC) Frequency														
Low														
mean	3.1	3.4	3.3	4.3	8.1	8	6.8	5.5	3.7	3.8	3.7	3.7	57.4	25.4
max	9	9	10	9	21	20	22	11	10	11	8	9	82	38
min	0	0	0	1	0	0	0	0	0	0	0	0	40	15
Moderate														
mean	0	0	0.1	0	0.1	0.1	0.1	0	0	0	0	0.1	0.4	0.1
max	0	0	1	0	1	1	1	0	0	0	0	1	2	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	2.5	2.4	3.6	5.8	8.1	10.6	9.5	8.6	4.1	3.6	2.2	2.9	63.9	23.1
max	6	5	10	10	19	18	18	18	8	9	7	8	88	30
min	0	0	0	1	1	4	1	4	1	0	0	1	46	12
Very High														
mean	2.5	2.5	4.3	6.7	5.8	5.4	8.5	6.9	3.8	4.4	1.7	2.5	55.1	24.4
max	7	5	10	19	16	18	18	14	7	8	5	6	84	39
min	1	1	0	0	0	0	1	0	0	1	0	0	31	14
Extreme														
mean	6.6	6.8	8.9	8.7	5.2	4.1	3.9	6.2	8.8	8.3	7	6.1	80.5	52.5
max	11	15	17	15	12	9	12	12	16	14	13	11	99	65
min	2	3	4	4	0	0	0	2	3	3	3	1	61	30

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Very Extreme														
mean	16.3	13.1	10.8	4.6	3.7	1.8	2.2	3.8	9.5	10.9	15.4	15.7	108	86.8
max	26	20	21	13	12	6	6	9	19	17	26	28	137	114
min	8	4	0	0	0	0	0	0	5	4	6	6	73	56