

Station Name: Windsor Ews (WND)

Period: 2000-11-23 - 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	18.6	18.2	17.2	14.5	11.5	8.9	8.4	10.1	12.4	14.1	15.9	17.5	14	16.6	
median	18.1	18	16.8	14.3	11.1	8.7	8.1	9.9	12.2	13.5	15.4	17.3	13.8	16.3	
max	30.4	33	28.8	24.9	23.2	17.6	18.4	21.2	23.1	26	29.7	30.3	33	33	
min	11	7.9	7	4.8	2.2	-2.5	1.5	1.2	3.7	4.3	5.6	9.2	-2.5	4.3	
Relative Humidity, %															
mean	62.4	63.6	62.5	64.1	67.5	66.3	65	64.5	58.9	59.8	60.8	62.9	63.2	62.3	
median	63	64	64	65	68	66	65	63	59	61	63	65	64	64	
max	99	99	100	98	100	100	100	100	97	97	100	97	100	100	
min	13	25	17	15.8	23	30	26	24	20	21	18	19	13	13	
Wind Speed, km/h															
mean	14.7	11.9	12.1	11.3	11.6	11.7	11.7	11.5	14.2	15.5	14.9	14.6	13	13.6	
median	12.2	10.1	9.8	9	9	10.2	10.3	10	11.5	13.7	12.9	12.6	11	11.5	
max	51.4	41.9	51	61.9	55.7	49	49.7	52.6	57	60.1	58.3	53.5	61.9	61.9	
min	0.5	0	0	0	0	0	0	0	0	0	0	0.7	0	0	
24-hr Rainfall, millimeters															
mean	1.7	1.7	1	1.5	1.4	1.2	1.2	1.3	0.8	1.4	1.7	2	1.4	1.6	
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
max	57.4	64	26.8	61	92.4	67.6	68.8	39.8	20.2	45	54.4	97.2	97.2	97.2	
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Monthly Rainfall, millimetres															
mean	49.9	49.3	31.2	44.6	44.2	36.8	37	39.2	25.4	42.3	49.9	62.6	42.7	47.1	
max	149	181.8	65.8	148.8	230.4	178.6	128.8	144.6	53	84.4	214.4	167.2	230.4	214.4	
min	15.2	4.5	2.4	12.2	5	3.6	1.2	5.8	7.2	7.6	5.8	11.4	1.2	2.4	
Seasonal Rainfall, millimetres															
mean														512.4	337
max														778.8	458.3
min														354.4	159.4
Fine Fuel Moisture Code, FFMC															
mean	77.5	77.6	79.1	75.8	72.7	74.1	76	73.2	78.3	76.8	76.4	75.8	76.1	77	
median	83.2	83.5	83.8	82.3	81.1	81.7	82.3	81.6	83.7	83	82.9	82.4	82.5	83	
max	96	93.2	94.7	94.2	90.1	89.5	89.7	91.5	93.2	93.9	94.4	94	96	96	
min	11.1	8.4	11.3	2.9	4.3	1.2	2.2	4.8	10	19	8.3	16.4	1.2	2.9	
Duff Moisture Code, DMC															
mean	23.8	26	29.3	25.5	13.5	11.8	12.3	12.3	20.3	21.7	22.9	24	20.3	24.8	
median	20.9	25.7	23.9	19.2	11.7	9.3	10.2	9.9	18.9	16.8	19.2	20.8	16.6	20.7	
max	92.6	61.8	92.5	113	58.2	39	44.2	43.5	60.6	66	73.6	90	113	113	
min	0	0	0.9	0	0	0	0	0	0.5	2.2	0	1.4	0	0	
Drought Code, DC															
mean	350.1	408.5	448	465.1	385.7	316.2	271.8	206.5	212.8	232.2	268.5	313.1	324.3	355.5	
median	334.1	404.9	466.1	495.8	407.1	311.3	254.8	173.5	197.9	219.4	245.1	309.6	305.5	335.7	
max	734.5	783.2	804.7	817.6	741.2	625.8	519.6	575.6	540.5	620.6	661	642.2	817.6	817.6	
min	103.4	83.6	60.3	96	0.6	0.3	0.5	0.2	3	35.4	4.4	20.1	0.2	4.4	
Initial Spread Index, ISI															
mean	5	3.6	4.3	3.5	2.9	2.9	3.1	3	5.1	5	4.6	4.7	4	4.4	
median	3.1	2.8	2.8	2.4	2	2.2	2.3	2.1	3	3.1	3.1	2.7	2.6	2.8	
max	58	32.8	61.1	77.4	36.4	26.5	32.2	36.4	56.5	63.3	49.1	65.4	77.4	77.4	
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Buildup Index, BUI															
mean	39.7	43.8	49.1	43.4	24.3	21	21.1	20.4	30.8	33.3	35.9	38.8	33.5	40.6	
median	35.5	44	41.7	34	21.4	17	17.3	17	29.1	26.4	31.7	34.4	28.3	35.3	
max	138.7	95	143.7	165.4	97.2	63.4	70.6	73.2	77.4	90.7	96.9	126.7	165.4	165.4	
min	0	0	1.7	0	0	0	0	0	0.7	4.4	0	2.7	0	0	
Fire Weather Index, FWI															
mean	10.3	9	10.5	8.3	4.9	4.7	4.8	4.8	9.1	9.4	9.5	9.7	7.9	9.5	
median	7.4	7.8	7.7	5.4	3.4	3.2	3.7	3.1	6.1	6.6	6.8	6.1	5.3	6.7	
max	76.4	51.2	79.8	127.1	61.4	47.5	36.7	50.8	59	85.1	70.4	104.1	127.1	127.1	
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Daily Severity Rating, DSR															
mean	2.9	2	2.9	2.4	0.8	0.8	0.7	0.9	2.3	2.7	2.6	3	2	2.6	
median	1	1	1	0.5	0.2	0.2	0.3	0.2	0.7	0.8	0.8	0.7	0.5	0.8	
max	58.6	28.9	63.2	144.2	39.8	25.2	16	28.4	37.1	70.8	50.7	101.3	144.2	144.2	
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Monthly Severity Rating, MSR															
mean	90.4	56.7	90.3	68	26.1	24.4	23.1	26.8	69.5	82.8	78	83.1	59.9	78.5	
max	291.4	129.1	317.3	524.5	88.6	89.4	51.9	93.9	241.7	303.9	260.5	497.3	524.5	524.5	
min	9.5	9.3	4.7	3.3	1.5	1.5	0.8	0.7	13.3	9	11.1	5.6	0.7	3.3	
Cumulative Daily Severity Rating, CDSR															
mean														719.4	518.7
max														1204.8	1091.5
min														315.2	197.5

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	10.7	8.7	11.1	13.4	19.1	18.6	18.9	19.9	12.3	12.7	11.8	12.6	169.6	81.6
max	27	19	28	29	31	30	31	31	22	25	26	28	228	132
min	3	1	0	3	6	4	4	3	1	2	0	2	120	47
Moderate														
mean	14.3	15.2	13.3	13	10.8	10.3	11.1	10.2	13.2	13	12.8	13.1	150.3	95.9
max	24	21	24	24	22	23	24	24	23	27	26	21	193	117
min	3	6	3	0	0	0	0	0	7	5	4	3	112	64
High														
mean	3.6	2.8	4	2.1	0.8	1	1	0.7	2.6	3.2	3.4	3.4	28.8	21.8
max	8	7	10	9	4	6	3	4	8	11	9	10	43	40
min	0	0	0	0	0	0	0	0	0	0	0	0	16	7
Very High														
mean	1.2	1	1.2	0.6	0.1	0	0	0.1	0.9	0.9	1	0.7	8	6.3
max	10	3	5	3	2	1	1	1	4	5	4	6	18	24
min	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Extreme														
mean	0.8	0.4	0.8	0.3	0	0.1	0	0.2	0.7	0.8	0.7	0.9	6	4.7
max	3	2	5	2	0	1	1	3	5	4	4	4	13	14
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	0.3	0	0.4	0.6	0	0	0	0	0.1	0.3	0.4	0.3	2.6	2
max	3	1	3	7	1	0	0	1	2	3	3	5	10	9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source Otago (Coastal Otago)														
Curing%	60	70	60	60	30	30	30	40	50	50	40	60		
Low														
mean	3.7	2.8	3.2	5	7.2	6.1	4.3	6	3.2	3.8	4.6	4.5	54.4	28
max	12	9	8	13	19	13	10	23	8	10	16	8	86	48
min	0	0	0	1	0	0	0	0	0	0	0	1	32	16
Moderate														
mean	23	20.4	24.5	23	22.6	22.9	25.6	23.1	20.8	21.6	20.9	23.1	271.6	156.8
max	27	24	29	29	30	28	30	29	26	29	28	26	291	174
min	17	16	21	17	12	17	21	8	13	15	13	17	251	144
High														
mean	3.2	4.2	2.8	1.6	1	1	1	1.6	4.3	4.2	4	2.7	31.8	22.4
max	8	10	8	5	3	4	3	5	8	11	10	5	50	38
min	0	1	0	0	0	0	0	0	1	1	0	0	16	9
Very High														
mean	0.9	0.8	0.3	0.2	0.1	0	0	0.2	1.5	0.9	0.7	0.6	6.4	4.3
max	2	3	1	3	1	0	1	2	6	3	3	2	10	8
min	0	0	0	0	0	0	0	0	0	0	0	0	2	1
Extreme														
mean	0	0.2	0.1	0.1	0	0	0	0	0.1	0.4	0	0.1	1.1	0.8
max	1	2	1	1	0	0	0	0	1	2	0	2	4	3
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	3.6	3.4	3	4.3	6.1	4.4	3.7	5.5	3.4	4	4.6	4.7	50.8	28.1
max	10	10	6	11	15	11	9	22	8	11	16	8	76	50
min	0	0	0	1	0	0	0	0	0	0	0	1	34	18
Moderate														
mean	0	0	0	0	0	0	0	0	0	0.1	0	0	0.3	0.1
max	0	0	0	0	0	1	0	1	1	2	1	0	3	3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	3.1	2.8	3.5	3.5	4.1	3.9	3.1	3.7	3	3.2	2.5	3.6	40	22.1
max	7	8	8	8	8	10	11	9	9	10	6	7	53	40
min	1	0	0	0	1	0	0	0	0	0	0	0	28	12
Very High														
mean	3.4	4.2	4.7	5.4	6.3	5.6	7	5.8	4.2	4.2	3.2	4.2	58.2	29.2
max	8	8	12	12	15	12	16	11	10	9	8	7	76	43
min	0	1	0	1	0	2	2	0	0	0	0	0	42	18
Extreme														
mean	10.1	10.2	10.2	11.2	8.3	10.1	11.4	9.6	8.9	8.6	9.7	9.2	117.6	70.2
max	16	17	16	18	16	16	19	15	15	17	19	14	130	88
min	5	4	5	3	1	6	3	4	3	1	4	4	106	48

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Very Extreme														
mean	10.8	7.7	9.5	5.6	6.1	6	5.8	6.3	10.5	10.9	10	9.3	98.3	62.4
max	20	16	21	19	13	13	11	13	21	21	20	22	129	84
min	2	2	0	1	1	0	0	1	3	4	4	0	66	38