

Station Name: Oamaru Aero (OUA)

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	17.5	17.5	16.5	14.3	11.8	9.1	8.7	10.2	12	13.5	14.7	16.3	13.5	15.7
median	17	17	16	14	11.3	9	8.4	10	11.8	13	14.1	16	13.2	15.3
max	31	35	29	24.6	25	20	18.5	21.3	23	26.8	28	31	35	35
min	9	8.5	7	4	3	1.2	1	2	3	6	6.8	6	1	4
Relative Humidity, %														
mean	69.1	70	68.1	69.1	71	70.1	68.9	68.1	64.7	65.9	66.5	69.6	68.4	68.3
median	71	71	70	70	72	70	68	68	66	68	69	71	70	70
max	99	100	100	100	100	100	100	100	100	100	99	100	100	100
min	23	18	16	16	24	31	22	21	20	22	21	15	15	15
Wind Speed, km/h														
mean	18.6	17	16.4	13.4	12.4	11.4	11.5	12.8	16.1	18	18.9	19	15.5	17.4
median	18	17	15	13	11	9.3	9.3	11	15	17	18.5	18.5	15	17
max	54	75.1	56	48	50	48.2	53.7	54	53.7	48.2	53.7	52	75.1	75.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24-hr Rainfall, millimeters														
mean	1.9	2	1.5	2	1.7	1.7	1.5	1.8	1.4	1.5	2	2.1	1.8	1.9
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	44	65.2	68.6	104.8	75.2	55.2	114.4	74	35.6	65.2	51.4	54.2	114.4	104.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	57.9	56.8	46.5	61.4	52.2	49.7	46	55.4	43	49	57.9	63.7	53.3	56.2
max	147	170.6	190	133.8	203	179	191.2	170.4	113	111.2	160.8	166	203	190
min	14.8	3.6	2.4	5.6	3.2	8.6	3.2	7.2	4.8	9.8	6.2	16.6	2.4	2.4
Seasonal Rainfall, millimetres														
mean													639.6	395.3
max													1029	786
min													383	165
Fine Fuel Moisture Code, FFMC														
mean	74.3	74.4	75.7	70.7	69.5	68.9	70.4	70.3	73.4	74	73.5	72.1	72.3	73.5
median	81	81.1	81.6	79.2	78.8	78.5	79.9	79.2	80.4	80.7	79.9	79.6	80.1	80.5
max	94	94.1	93.1	93.8	90.3	89.4	91.2	91.3	92.2	93.8	92.6	95.3	95.3	95.3
min	5.2	2.3	5.6	2.6	0.4	3.1	3.1	2.4	9.7	6.1	7.5	3.9	0.4	2.3
Duff Moisture Code, DMC														
mean	15.1	16.1	17.1	14	8.5	7	7.2	7.8	12	13.9	14.4	13.8	12.3	14.9
median	12.2	15	14.1	10.4	6.5	5	5.6	5.9	9.9	11	11.4	11.5	9.5	12.1
max	55.6	51.7	63	90.9	54.1	29.1	33.4	25.8	49.2	43.9	49.8	52.6	90.9	90.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Drought Code, DC														
mean	294.2	347.6	373	363.7	288.7	219.2	185.4	136.7	132	142.1	184.6	243.6	242.7	277.5
median	282	352.2	371.7	331.2	267.4	207.3	171.8	96.5	100.8	110.7	165.7	246.8	220.6	266.8
max	632	696.4	823.8	834.9	723	697.7	576.6	462.5	485.1	396.4	434.5	496.7	834.9	834.9
min	6.2	18.3	3.7	32.5	1.5	0.4	0	0.4	0.8	2.2	5.1	5.4	0	2.2
Initial Spread Index, ISI														
mean	3.9	3.4	4.1	2.7	2.3	2.1	2.3	2.5	3.8	4	3.9	3.8	3.3	3.7
median	2.9	2.8	2.8	2	1.7	1.6	1.8	1.8	2.5	2.8	2.7	2.7	2.3	2.7
max	55.2	31.4	56.8	34.7	28.2	25.2	39.8	53.6	41.8	48	43.6	73.8	73.8	73.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	26	28.1	30.1	24.6	15.4	12.4	12.1	12.5	17.5	20.3	22.9	23.5	20.5	25.1
median	21.7	27	25.7	19.3	11.7	9.1	9.6	9.1	15.3	16.7	19.3	19.9	16.2	21
max	90.3	84.2	101	137.9	91.2	49.9	56.7	44.6	63.8	64.2	66.3	82.7	137.9	137.9
min	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0
Fire Weather Index, FWI														
mean	7	6.6	7.8	4.9	3.1	2.5	2.8	3	5.4	6.1	6.4	6.5	5.2	6.5
median	5.2	5.4	5.5	2.9	1.7	1.1	1.4	1.3	3.1	4.4	4.4	4.4	3.1	4.6
max	61.4	37.3	73.7	73.7	31.5	33.5	49.8	57.6	44.8	47	53.7	81.9	81.9	81.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	1.4	1.2	1.8	1	0.4	0.3	0.4	0.4	1.1	1.2	1.3	1.4	1	1.3
median	0.5	0.5	0.6	0.2	0.1	0	0	0	0.2	0.4	0.4	0.4	0.2	0.4
max	39.8	16.5	54.9	54.9	12.2	13.6	27.4	35.5	22.8	24.8	31.4	66.2	66.2	66.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	44.7	33.3	56	28.2	12.5	10.1	11.1	13.1	32.4	36.7	40.2	44.6	30.2	40.5
max	177.1	91.4	204.8	299	44.3	70.3	52.6	63.5	158.6	127.3	150.8	261	299	299
min	6.5	3.6	2.1	0.9	0.6	0.1	0.5	1.3	2.1	1.1	1.7	3	0.1	0.9
Cumulative Daily Severity Rating, CDSR														
mean													363	283.6
max													673.4	749.9
min													115	50.7

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	14.9	13.3	14.7	19.3	24.6	25.6	26	25.1	19.7	16.9	15.5	16.2	231.8	110.3
max	30	27	31	30	31	30	31	31	30	31	30	31	317	185
min	0	3	0	1	9	11	8	9	3	1	1	5	170	53
Moderate														
mean	13.6	12.8	12.8	9.4	6	3.9	4.7	5.5	8.5	12.4	12.4	12.4	114.4	86.2
max	25	24	25	23	21	14	22	21	24	23	25	23	175	126
min	1	1	0	0	0	0	0	0	0	0	0	0	46	27
High														
mean	1.9	1.9	2.3	0.8	0.3	0.4	0.2	0.3	1.4	1.4	1.6	1.8	14.2	11.7
max	9	8	10	8	4	6	2	3	9	9	5	7	30	30
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very High														
mean	0.4	0.2	0.7	0.2	0	0.1	0	0	0.2	0.2	0.3	0.2	2.6	2.2
max	3	3	7	3	1	1	1	0	2	2	3	1	9	9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0.2	0.1	0.4	0.1	0	0	0	0	0.2	0.1	0.3	0.4	1.8	1.5
max	2	1	3	2	0	0	1	1	5	2	5	3	7	7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	0.1	0	0.1	0.1	0	0	0	0	0	0	0	0.1	0.4	0.4
max	1	0	2	4	0	0	0	0	0	0	0	3	6	6
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	4.2	3	4	7.1	8.6	7.9	7.9	7	4.9	4.3	4.6	5.3	68.6	32.3
max	12	9	9	17	19	21	22	22	12	13	11	16	115	64
min	0	0	0	0	0	1	0	0	0	0	0	1	38	14
Moderate														
mean	24.3	20	23.8	21.8	21.6	21.5	22.5	22.7	21.1	22.7	22.7	23.1	267.8	158.5
max	31	26	30	30	31	28	29	29	27	28	28	28	292	181
min	19	13	13	13	12	9	8	9	15	17	14	15	227	129
High														
mean	2.2	4.7	2.7	1	0.8	0.6	0.6	1.1	3.3	3.3	2.3	2.2	25	18.7
max	7	13	12	4	4	5	2	4	9	8	10	6	55	47
min	0	0	0	0	0	0	0	0	0	0	0	0	12	9
Very High														
mean	0.3	0.5	0.4	0.2	0	0	0	0.1	0.8	0.7	0.4	0.3	3.7	2.7
max	1	2	5	3	0	0	1	1	4	3	3	2	8	8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.2
max	1	1	1	0	0	0	0	1	1	1	0	1	1	2
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	5.2	4.1	4.7	6.8	7.3	6.9	6.7	6.9	5.7	5.4	5.3	6.2	71.1	37.5
max	12	12	11	16	18	21	19	22	14	15	13	17	121	72
min	0	0	0	0	0	0	0	0	0	0	0	1	40	16
Moderate														
mean	0	0	0	0.1	0.1	0	0.1	0	0	0	0	0	0.3	0.1
max	0	0	0	1	1	1	1	1	0	0	0	0	2	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	1.8	2.2	2.4	4	4.1	5	4.4	4.8	2.9	2.3	2.2	1.7	37.9	16.3
max	4	6	7	9	9	11	9	12	10	8	9	4	66	31
min	0	0	0	0	0	1	0	1	0	0	0	0	24	6
Very High														
mean	4.3	4.4	4.7	5.1	7.2	6.9	7	6	4.2	4.8	4	4.5	63.1	31.4
max	9	9	10	9	15	12	15	14	11	14	7	10	85	42
min	1	0	1	1	3	2	1	0	0	0	2	0	45	16
Extreme														
mean	9.8	10.1	9.9	8.9	8.4	8.3	9.2	8.8	9.1	9.4	9.6	9.5	111	67.2
max	15	15	15	18	12	16	22	16	17	15	18	20	131	91
min	5	7	5	4	2	1	1	3	4	2	3	4	75	44

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Very Extreme														
mean	9.9	7.5	9.4	5.1	3.8	2.8	3.6	4.4	8.1	9.1	8.9	9.1	81.8	59.7
max	19	15	22	15	11	10	10	14	18	19	15	18	116	97
min	3	1	2	0	0	0	0	0	0	1	1	0	51	30