

Station Name: Waeranga Raws (Waeranga_Raws)

Period: 2017-10-27 - 2021-07-01

Length of record: 3 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	22	22.6	20.3	17.6	15	12.6	12	12.5	13.4	15.7	17.8	20.4	17.1	19.6
median	22	22.4	20.2	17.6	15.1	12.9	12.2	12.6	13.4	15.6	18.1	20.8	16.9	19.7
max	28.3	28.8	24.9	22.3	19.1	16.5	16.3	15.9	17.9	20.9	23.2	24.8	28.8	28.8
min	14.4	17.3	13	11.4	7.9	6.4	6.5	7.4	8.1	9.1	8.9	14.3	6.4	8.9
Relative Humidity, %														
mean	68.3	64.2	68.7	73.3	79.6	85.2	84.5	81.6	75.6	73.7	71.4	68	74.2	69.6
median	67	60	68	72	79	85	85.5	80	73	73	70	67.5	74	69
max	97	99	97	100	100	100	100	100	99	100	100	99	100	100
min	38	41	42	50	56	64	65	63	61	42	47	39	38	38
Wind Speed, km/h														
mean	17.6	15.5	16	15.4	14.6	15	16	19.2	20.8	18.1	17	16.4	16.6	16.5
median	15.8	14.8	13.9	13.7	12.6	14	13.7	17.6	20.2	16.7	15.8	16.7	15.1	15.1
max	47.9	36.7	42.1	43.2	37.8	51.1	42.5	47.9	53.3	47.2	43.2	48.2	53.3	48.2
min	4	4	2.5	1.1	2.9	2.2	2.5	2.5	2.5	2.2	2.5	4.7	1.1	1.1
24-hr Rainfall, millimeters														
mean	2.3	2.1	1.9	2.1	2.2	5.2	4.3	4.2	1.7	2.7	3.1	2.7	2.8	2.4
median	0	0	0	0.2	0	1.1	1.2	1.8	0	0	0	0	0	0
max	78.8	46.4	29.4	70.4	35.6	68.8	37.8	23.4	26.4	34.8	47	57	78.8	78.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	47.8	69.9	55.1	64.1	69.7	168.2	136	131.5	51.1	80.7	112.2	107.7	91.2	76.8
max	105.2	179	63.4	135.8	110.4	221.4	176.6	152.8	81.6	107.6	150.6	208.6	221.4	208.6
min	9	12.2	46.8	13.2	29.4	91.2	102.6	96.2	25	42	71.2	50.8	9	9
Seasonal Rainfall, millimetres														
mean													1094	478.3
max													1596.8	540.8
min													771.2	377
Fine Fuel Moisture Code, FFMC														
mean	77.4	77.6	76.2	72	65.8	49	48.5	51.2	69.9	68.6	70.1	73.8	67.2	73.8
median	83.9	86.3	82.8	78.9	78.4	50.8	48.2	52	76.8	77.7	79.4	81.8	76.4	81.9
max	89.5	88.8	88.9	87	85.1	82.4	83	82.5	83.6	84.7	87.4	88.3	89.5	89.5
min	9.8	6.5	18.8	7.3	10.9	2.9	6.8	5.7	2.4	2.8	15.8	11	2.4	2.8
Duff Moisture Code, DMC														
mean	21.2	40.8	18.9	10.6	10.9	0.7	0.5	0.9	4.8	6.5	9.6	16.1	12.4	17.8
median	17	37.7	15.1	9.3	4.6	0.4	0.3	0.4	3.9	6.4	9.1	10.8	6.6	11.7
max	69	115.4	58.9	28.3	38.8	4.4	3	5.1	14	13.1	26.4	54.1	115.4	115.4
min	2.3	0	5.7	0.1	0	0	0	0	0	0.4	0.1	0	0	0
Drought Code, DC														
mean	208.5	312.1	329.1	330.8	285.4	147	48.3	13.4	25	43.2	74.8	150.6	174.5	210.8
median	211.2	279.2	336.8	353.1	287.5	166.1	7.9	5.9	25.6	41.7	70.9	143.2	124.5	183.9
max	442.2	596	584.5	505.2	565.9	420.8	261.3	96.8	56.8	99.6	169.3	385.8	596	596
min	24.5	57.8	131.2	61.4	1.1	1.1	1.2	1.2	1.4	3.6	4.7	6	1.1	3.6
Initial Spread Index, ISI														
mean	4.4	4.5	3.6	2.4	2	0.7	0.8	1.3	3	2.5	2.6	3.1	2.6	3.3
median	4.3	4.7	3.2	2.4	1.7	0.4	0.3	0.5	2.5	2.2	2.4	2.9	2	3
max	13.1	12.5	16.5	7.4	9.7	4.6	6	14.5	15	10.3	10.9	11.9	16.5	16.5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	32.8	59.7	32.1	19.4	19.3	1.3	0.7	1.2	6.3	9.3	14.1	25	19.4	27.7
median	26.2	56.2	27.1	17.2	8.4	0.8	0.5	0.7	5.6	8.9	13.3	18.2	10.8	19
max	99.3	155.5	88.1	49.6	66.3	8.6	4	7	16.6	19.3	38	80.2	155.5	155.5
min	4.4	0	10.9	0.3	0	0	0	0	0	0.8	0.1	0	0	0
Fire Weather Index, FWI														
mean	9.1	13.1	7.4	4	3.3	0.2	0.3	0.6	2.5	2.5	3.4	6.1	4.6	6.6
median	8.6	12.7	6.1	3.8	2.2	0.1	0.1	0.1	1.3	2.1	2.6	4.4	2	4.7
max	30.8	38	40.1	14.5	23.5	2.1	3.6	10.5	17.3	10	17.2	29.4	40.1	40.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	1.9	3.6	1.4	0.5	0.4	0	0	0	0.3	0.2	0.4	1.1	0.9	1.3
median	1.2	2.4	0.7	0.3	0.1	0	0	0	0	0.1	0.2	0.4	0.1	0.4
max	11.7	17	18.7	3.1	7.3	0.1	0.3	1.7	4.2	1.6	4.2	10.8	18.7	18.7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	69	113.8	48.9	17.2	16.7	0.2	0.3	1.5	7.5	7	10.5	14	25.6	40.1
max	130.1	210.5	68	24.3	40	0.3	0.9	3.6	17.4	9	21.5	22.9	210.5	210.5
min	38.3	7.4	24.3	7	1.7	0.1	0.1	0.1	2.6	6	3.5	2.2	0.1	2.2
Cumulative Daily Severity Rating, CDSR														
mean													306.6	297
max													469.6	459.6
min													93.3	165.5

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	8.7	8.7	12.7	16	21.3	30	31	31	28.7	28.7	22.3	20.3	259.3	107.3
max	17	23	17	26	31	30	31	31	30	31	28	30	323	119
min	0	1	8	6	8	30	31	31	26	26	12	13	212	91
Moderate														
mean	14.7	6.3	14.7	14	8.7	0	0	0	1.3	2.3	7.7	10.7	80.3	79.3
max	21	9	16	24	20	0	0	0	4	5	18	18	125	87
min	11	5	14	4	0	0	0	0	0	0	2	1	39	75
High														
mean	7.3	8	2.7	0	1	0	0	0	0	0	0	0	19	19
max	18	13	5	0	3	0	0	0	0	0	0	0	32	32
min	1	0	0	0	0	0	0	0	0	0	0	0	3	6
Very High														
mean	0	4.3	0.7	0	0	0	0	0	0	0	0	0	5	5
max	0	9	2	0	0	0	0	0	0	0	0	0	9	9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0.3	1	0.3	0	0	0	0	0	0	0	0	0	1.7	1.7
max	1	3	1	0	0	0	0	0	0	0	0	0	5	5
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
Grass Fire Danger Class (GFDC) Frequency														
Curing sources (Hauraki/Matamata Piako/Waikato)														
Curing%	70	70	60	40	40	40	40	40	40	40	40	60		
Low														
mean	3	3	3.7	3.3	9	18.7	19.7	17	4.7	6.7	7	5.7	101.3	30.3
max	7	7	5	8	19	23	24	22	10	9	11	14	155	43
min	0	1	2	1	2	13	12	14	2	5	3	1	69	15
Moderate														
mean	15.7	13	24.7	26.7	21.7	11.3	11.3	13.3	24.3	23.3	22.7	25	233	154
max	19	17	26	29	28	17	19	17	28	25	26	30	259	162
min	14	11	24	22	12	7	7	9	20	21	19	17	190	140
High														
mean	12.3	12.3	2.7	0	0.3	0	0	0.7	1	1	0.3	0.3	31	28
max	17	17	5	0	1	0	0	2	3	2	1	1	38	38
min	10	4	1	0	0	0	0	0	0	0	0	0	20	17
Very High														
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
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
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	3.3	5	4	4	10	18	20.3	19	5.7	7.3	8	8	112.7	36.7
max	7	12	5	9	20	20	26	22	10	8	13	15	161	47
min	0	1	3	1	3	16	13	16	2	7	3	4	84	21
Moderate														
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
High														
mean	2	0.3	2	1.3	3.3	5.7	4	2.7	2.7	3	1.7	2	30.7	12.3
max	3	1	3	2	4	10	6	5	4	3	3	3	38	16
min	0	0	1	1	3	3	1	0	1	3	0	1	24	7
Very High														
mean	1	2.7	5	5.3	5	4	3.7	4.3	5.3	4.3	4.3	4.7	49.7	25.7
max	2	5	8	8	9	8	5	6	8	6	5	8	55	29
min	0	1	1	4	3	1	3	3	3	2	4	1	41	24
Extreme														
mean	8	5	9.7	15.7	9	2	2.3	2.3	10	11.3	10.3	10.3	96	70.3
max	10	5	13	20	14	3	5	4	12	14	13	14	111	80
min	6	5	7	13	3	0	1	1	7	9	7	4	70	64

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Very Extreme														
mean	16.7	15.3	10.3	3.7	3.7	0.3	0.7	2.7	6.3	5	5.7	6	76.3	67.3
max	24	21	11	6	5	1	2	5	12	7	10	10	94	81
min	11	5	10	2	2	0	0	0	3	3	3	1	41	58