

Station Name: Otematata Raws (Otematata)

Period: 2016-11-17 - 2021-07-01

Length of record: 4 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON	
Temperature, degrees Celsius															
mean	21.9	21.2	18.8	14.7	10.8	6.8	6.9	9.6	12.6	16	18.4	20	15	18.8	
median	21.8	21	18.9	14.2	10.3	6.8	6.8	9.2	12.4	15.9	18	20.3	14.8	18.6	
max	33.6	32	28.4	22.8	20.9	15.1	13.6	19.3	20.6	27	29.7	29.7	33.6	33.6	
min	12.6	8.4	6.8	7.1	0.9	-0.4	-0.9	3.6	2.5	6.1	4.8	10	-0.9	4.8	
Relative Humidity, %															
mean	46.4	48.3	55.1	58	69.1	75.8	72.2	63.5	53.3	47.8	47.9	47.5	57.1	50.2	
median	43	47	55	56	71	78.5	73	65	53	45	44	44	56	49	
max	93	97	93	96	97	97	100	95	91	92	95	94	100	97	
min	16	15	22	32	31	34	36	23	27	22	17	13	13	13	
Wind Speed, km/h															
mean	16.1	12.9	11.6	11.3	10.3	9.1	8.8	9.5	13.3	13.8	16	15.1	12.4	13.8	
median	15.5	10.8	9.7	9.2	9	8.6	7.6	8.3	12.1	12.6	15.1	14.4	10.8	12.6	
max	36.4	33.5	30.2	53.1	34.6	25.9	27	34.2	43.2	35.3	37.1	36.7	53.1	53.1	
min	3.2	2.9	2.2	1.8	1.1	1.8	1.1	1.1	2.9	2.2	2.5	3.6	1.1	1.8	
24-hr Rainfall, millimeters															
mean	1.6	1.7	1.2	1.4	1.2	0.6	1.5	0.4	0.9	1.1	2.1	1.8	1.3	1.5	
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
max	34.4	52	20.8	27.4	20.4	14.8	32.6	8.2	28.8	21.6	70.6	18.6	70.6	70.6	
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Monthly Rainfall, millimetres															
mean	38.3	55.1	40.1	49.4	32.4	17.1	46.7	11.3	27.8	35	66.2	62	40.1	49.4	
max	65.3	128.6	60	63	54.2	21.2	100.2	23.8	61.4	59.4	144.6	90	144.6	144.6	
min	18	4.8	19.8	30.6	18.6	13.6	19.4	2	9.2	17.4	29.9	45.9	2	4.8	
Seasonal Rainfall, millimetres															
mean														481.3	340
max														631	418.4
min														378.8	256.2
Fine Fuel Moisture Code, FFMC															
mean	83.4	83.6	80.6	76.9	74.1	71.3	66.7	78.7	79.4	81	81	80.3	78.1	81	
median	88	87.9	84.8	83.7	79.4	77.1	73.9	81.4	84.1	85.8	86.7	87.1	83.3	86.3	
max	95.6	95.5	93.1	90.8	89.9	87.3	87.6	91.2	91.1	93.2	94.8	96.3	96.3	96.3	
min	18.7	11.3	17	8.9	12.8	27.9	11.2	41.7	19.3	23.1	6.9	20.7	6.9	6.9	
Duff Moisture Code, DMC															
mean	39.3	47.1	41.7	26.6	15	7.2	3.8	9	19.3	27.8	28.2	30.5	25.2	34.6	
median	34.6	45.9	42.1	18.2	10.3	5.1	4	8.5	18.5	26.8	25	25.8	18.4	31.9	
max	103.1	106	119	70.6	69.4	25.2	9.2	25.4	43.4	62.4	69	71.7	119	119	
min	2.7	6.3	4.7	2.3	1.6	0.4	0	0.5	4.1	5	2.6	2.7	0	2.3	
Drought Code, DC															
mean	381.6	417.6	470	468	424.9	360	294.8	265.2	268.1	310.1	292.5	319.9	361.4	382.9	
median	356.9	425.3	506.3	457.9	403.6	412.3	255.8	224.9	270.1	312.8	325.9	308.9	363.9	378.5	
max	655.6	526.1	587	666.6	683.6	534.3	466.6	473.8	376.4	402.6	497.2	543.1	683.6	666.6	
min	214.1	260.1	252.3	233	199.4	206	158.4	143.9	154.4	194.7	60.1	101.8	60.1	60.1	
Initial Spread Index, ISI															
mean	8.4	6.6	4.6	3.8	2.2	1.5	1.4	2.9	4.4	5.9	7	6.7	4.7	6.1	
median	6.6	5.6	3.5	2.6	1.7	1.3	1.2	2.2	3.4	4.4	6.1	5.5	2.9	4.6	
max	39.3	23.1	24.3	37.9	10.7	9.6	10.6	28.3	25.2	33.4	33.8	31.9	39.3	39.3	
min	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	
Buildup Index, BUI															
mean	60.6	72	66.6	45.3	26.9	13.6	7.3	16.4	32	43.7	43.9	47.6	40.5	54.6	
median	55.7	71.6	69.7	33.2	19.4	10	7.9	15.5	31.6	43.6	40.4	42	32	51.9	
max	136.8	140.5	156.3	110	110.7	45.1	16.9	44.8	63.5	81.1	100.3	107.6	156.3	156.3	
min	5.3	11.9	9	4.6	3.2	0.8	0	0.9	7.9	9.5	4.7	5.3	0	4.6	
Fire Weather Index, FWI															
mean	20.2	18.6	13.6	9.1	4.1	1.8	1.1	4.1	8.8	12.6	15	15.3	10.5	15	
median	18.9	18.2	11.6	5.9	2.2	0.8	0.5	2.9	6.8	10.4	14.5	12.9	6.3	13	
max	83.5	58.1	54.8	58.5	34	19.7	13.1	39.9	35.6	44.7	60.2	62.9	83.5	83.5	
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Daily Severity Rating, DSR															
mean	7.6	6	4	2.4	0.6	0.2	0.1	0.7	1.9	3.4	4.6	5	3.1	4.8	
median	4.9	4.6	2.1	0.6	0.1	0	0	0.2	0.8	1.7	3.1	2.5	0.7	2.5	
max	68.5	36.1	32.5	36.5	14	5.3	2.6	18.6	15.2	22.7	38.4	41.5	68.5	68.5	
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Monthly Severity Rating, MSR															
mean	274.5	174.8	120.4	40.2	9.2	6.6	2.3	20.9	57.6	104.5	132	145	90.7	141.6	
max	364.8	314.4	182.8	59.1	14.2	18.3	3.6	52	101.4	164.4	196.4	278.2	364.8	364.8	
min	161.8	80.1	32.4	14.6	1.6	0.9	0.1	3.8	25	73.3	37.1	45.5	0.1	14.6	
Cumulative Daily Severity Rating, CDSR															
mean														1088.1	960.7
max														1336.5	1106.7
min														711.9	825.5

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	3	3.8	7.8	13	25.5	27	30.8	21.8	9.8	7.2	8.2	9.2	167	50.5
max	6	12	18	16	31	30	31	28	15	10	19	14	199	62
min	1	0	3	9	20	19	30	13	5	1	2	5	133	40
Moderate														
mean	7.5	8	14	15	5.5	2.8	0.2	8.5	15	13.8	8	11	109.2	78
max	12	12	18	18	11	10	1	15	18	18	10	19	128	87
min	2	4	10	12	0	0	0	3	9	11	6	5	90	65
High														
mean	7.2	8.8	5	1.2	0	0.2	0	0.2	3.8	7	9	4.2	46.8	45.5
max	11	12	8	2	0	1	0	1	5	11	18	7	60	52
min	4	4	3	0	0	0	0	0	0	5	3	2	33	31
Very High														
mean	4.5	3.5	2.5	0.5	0	0	0	0.5	1.5	2.2	3	2.2	20.5	18
max	7	5	5	1	0	0	0	2	5	6	6	4	27	26
min	0	0	0	0	0	0	0	0	0	0	0	0	14	12
Extreme														
mean	7	3.8	0.5	0.2	0	0	0	0	0	0.8	1.5	3.5	17.2	17.2
max	11	10	1	1	0	0	0	0	0	1	3	8	27	20
min	4	0	0	0	0	0	0	0	0	0	0	0	8	14
Very Extreme														
mean	1.8	0.5	1.2	0	0	0	0	0	0	0	0.2	0.8	4.5	3
max	4	1	3	0	0	0	0	0	0	0	1	3	8	6
min	0	0	0	0	0	0	0	0	0	0	0	0	2	1
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	0.5	1.5	2.5	5.2	3.5	4.2	10	1.5	3.2	2.2	2.5	3	40	16.8
max	1	4	4	7	5	6	17	5	7	6	6	5	47	22
min	0	0	1	4	1	2	5	0	0	1	0	1	32	14
Moderate														
mean	7	5.2	16.2	22.8	26	25.2	20.8	26.2	22	21.8	20	12.2	225.5	106.2
max	11	10	20	25	29	28	26	28	25	25	26	15	235	114
min	1	1	13	19	22	23	14	24	17	18	16	7	218	102
High														
mean	12.8	13.2	10.2	1.8	1.5	0.5	0.2	2.8	4.2	6.5	7	12.8	73.5	66.5
max	17	15	13	6	4	1	1	7	5	9	11	15	85	73
min	7	9	5	0	0	0	0	0	3	4	4	12	63	60
Very High														
mean	6.5	6	1	0.2	0	0	0	0.2	0.5	0.5	0.5	2.8	18.2	17
max	10	8	2	1	0	0	0	1	1	1	1	5	25	20
min	2	4	0	0	0	0	0	0	0	0	0	0	14	12
Extreme														
mean	4.2	2.2	1	0	0	0	0	0.2	0	0	0	0.2	8	5.8
max	7	5	3	0	0	0	0	1	0	0	0	1	12	12
min	1	1	0	0	0	0	0	0	0	0	0	0	2	2
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	1	2.2	3	4.8	3.5	4.5	8.8	2	3.5	2.8	3.2	5.2	44.5	22.5
max	2	6	5	6	5	7	14	6	7	6	8	9	54	26
min	0	0	1	4	1	3	5	0	0	1	0	3	35	19
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	1.2	1.5	2.2	3	7.2	8	7.5	5.8	2.2	2.8	1.5	2.5	45.5	14.5
max	3	3	4	5	10	11	12	8	4	5	2	3	53	17
min	0	0	0	1	3	4	3	3	1	0	1	2	40	11
Very High														
mean	2.2	1.2	3.5	5.8	10	11	8.2	7	2.5	3	3	1.5	59	19.2
max	3	3	5	9	16	15	11	12	4	5	4	2	72	23
min	0	0	1	4	7	7	5	4	2	1	1	1	51	15
Extreme														
mean	3.5	5.5	11.5	10.5	7	5.2	5.8	11.5	11	6.8	3.5	3.8	85.5	42
max	7	9	13	15	10	8	10	18	15	8	6	5	94	53
min	0	2	10	5	1	2	0	7	6	5	1	1	75	33

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Very Extreme														
mean	23	17.8	10.8	6	3.2	1.2	0.8	4.8	10.8	15.8	18.8	18	130.8	114
max	30	24	12	14	7	2	2	9	15	20	26	21	139	125
min	18	14	7	1	0	0	0	1	8	13	11	15	121	98