

Station Name: Raumai Raws (RAU)

Period: 1995-09-30 - 2021-07-02

Length of record: 25 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	20.4	20.7	19.6	17.3	14.9	12.5	11.7	12.4	13.8	15	16.5	18.8	16.1	18.3
median	20.1	20.7	19.6	17.4	15	12.6	11.8	12.5	14	15	16.2	18.7	15.9	18.3
max	29.9	28.3	29.5	24.2	21.4	19.3	17.6	17.8	20.1	22.1	24.5	27.1	29.9	29.9
min	12	11.2	11.9	8.2	6.4	5.2	6	6	5.5	6.5	6.5	11.3	5.2	6.5
Relative Humidity, %														
mean	68.1	67.3	67.4	70.7	74.9	78.3	76.9	74.8	72.1	72.2	70.5	70.1	72	69.5
median	68.7	68	68	70	74	78	76	75	72	72	69	70	72	69
max	97	100	97	96	100	100	100	98.4	99	96	99	100	100	100
min	26	37	35.4	43	39	47	43	44	41	29	41	37	26	26
Wind Speed, km/h														
mean	19.7	18.2	18.1	16	15.2	14.8	15.1	15.9	18.5	20.3	21.5	20	17.8	19.1
median	18.7	16.9	16.5	13.8	12.8	11.8	12.5	13.6	16.3	18.9	20.2	18.9	16.3	17.9
max	52.9	56.2	52.8	49	70.7	64.7	50	58.6	57.7	61.4	54.2	60.1	70.7	61.4
min	1.1	0.8	0	0	0	0	0	0	0	0	0	0	0	0
24-hr Rainfall, millimeters														
mean	1.7	2.1	1.8	2.4	2.6	3	2.3	2.3	2.5	2.5	2.6	2.5	2.4	2.2
median	0	0	0	0	0	0.2	0	0.2	0	0	0	0	0	0
max	72.8	77.2	142.2	55.4	108.7	158.8	54.6	41.2	53.4	42.4	56.9	52	158.8	142.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	50.7	61.7	55.3	72.6	80.6	91	70.2	70.3	74.1	78.4	76.8	77.8	71.6	67.6
max	105.8	338.6	232.2	179.8	225.3	305.3	183.2	134.4	221.8	198.4	182.9	131.2	338.6	338.6
min	4.4	16.5	13.4	12.4	0.2	2	0	8.3	6.3	20.6	15.6	22.6	0	4.4
Seasonal Rainfall, millimetres														
mean													859.5	474.6
max													1521.4	768.2
min													487.7	327.2
Fine Fuel Moisture Code, FFMC														
mean	77.7	77.4	77	72.5	68.2	62.5	65.3	65.1	68.9	69.7	72.2	73.3	70.8	74.2
median	83.3	83.9	83.7	80.2	77	69.6	72.6	72.5	76.5	77	80.1	80.7	78.9	81.6
max	93.1	89.8	89.6	88.1	87.2	84.7	84.5	86.8	87.6	89.4	87.9	90.2	93.1	93.1
min	17.9	5	7.4	7.2	4.6	6.5	4	10.3	12	11	11.5	8.4	4	5
Duff Moisture Code, DMC														
mean	18.8	22.3	21.4	11.5	6.3	3.3	3.4	4.1	5.9	6.2	10.3	13.2	10.5	14.7
median	14.9	18.7	17.6	9.6	4.5	1.7	1.9	2.4	4.4	5.1	8.3	9.5	6.5	10.8
max	86	70.2	77.2	64.6	32	29.3	35.2	39.3	36.8	44.7	47.7	88.9	88.9	88.9
min	1.4	0	1.1	0	0	0	0	0	0	0	0.3	0	0	0
Drought Code, DC														
mean	239.7	316.6	354.6	309.6	240.5	158.1	105.3	84.6	74.4	69.3	105.1	163	185.3	221.5
median	235.8	331.9	365.4	317	240.1	149.7	73.3	30.6	33.4	42.2	91.3	144.4	163.6	210.1
max	462.6	539.3	644	654	530.2	496.5	543.9	568.7	414.6	352.9	329.7	391.5	654	654
min	34.9	5.2	4.4	3.2	1.7	1.3	1	0.9	1	2.4	4.7	5.8	0.9	2.4
Initial Spread Index, ISI														
mean	4.7	4.6	4.3	2.9	2.3	1.6	1.8	1.9	2.6	2.8	3.6	3.8	3.1	3.8
median	4.3	4.4	4	2.6	1.8	1.1	1.4	1.5	2.3	2.5	3.3	3.3	2.4	3.3
max	27.7	30.1	21.2	21.5	16.5	17.2	16.4	20.1	17.7	14.1	25	21.9	30.1	30.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	30.2	36.8	36.1	20.4	11.4	6	5.9	6.5	8.5	8.9	15.6	20.9	17.3	24
median	25.3	32.6	30.7	17.6	8.3	3.2	3.3	3.5	6.2	7.4	12.9	16.2	11	18.2
max	111	105.5	117.6	101.9	55.6	51.1	60.6	66.9	57.4	68	62.4	110.7	117.6	117.6
min	2.5	0	1.5	0	0	0	0	0	0	0	0.5	0	0	0
Fire Weather Index, FWI														
mean	9.3	10.1	9.3	4.7	2.7	1.3	1.4	1.6	2.5	2.8	5.1	6.2	4.8	6.8
median	7.8	9.4	8.1	3.6	0.9	0.4	0.5	0.6	1.3	1.8	4.2	4.7	2.4	4.9
max	43.7	50.7	41.2	26.5	24.2	21.8	21.6	23.4	24	16.8	34.5	44.9	50.7	50.7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	2.1	2.3	2	0.7	0.3	0.1	0.1	0.2	0.3	0.3	0.8	1.1	0.9	1.3
median	1	1.4	1.1	0.3	0	0	0	0	0	0.1	0.3	0.4	0.1	0.5
max	21.8	28.3	19.7	9	7.7	6.4	6.3	7.2	7.5	4	14.4	22.8	28.3	28.3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	65.5	65.9	61.9	21.8	10.5	3.5	3.8	5	8.2	9.2	23.5	35.7	26.2	40.5
max	194.5	160.6	176.4	53.9	70.8	31.9	33.4	33.5	58.9	20.9	92.6	183.9	194.5	194.5
min	10.2	2.7	8.6	2.6	0.3	0	0.3	0.1	0.2	1.6	4	7.4	0	1.6
Cumulative Daily Severity Rating, CDSR														
mean													314.3	279
max													529.5	606.4
min													134.9	67.9

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	10.6	8.5	10.7	17.7	25.3	28.7	29.6	29.3	26.9	27.1	18	16.9	249.3	110.4
max	25	28	25	29	31	30	31	31	30	31	30	28	300	170
min	1	1	1	7	4	13	3	15	0	18	2	0	182	62
Moderate														
mean	14.9	12.9	14.8	11.5	5.4	1.1	1.4	1.6	3	3.9	11.3	12	93.7	80.9
max	25	21	24	22	23	13	26	14	26	13	26	21	148	111
min	6	1	6	1	0	0	0	0	0	0	0	3	61	43
High														
mean	4.4	5.7	4.5	0.8	0.2	0.2	0.1	0.1	0.2	0	0.6	1.4	18.2	17.1
max	18	17	18	3	4	4	2	2	4	1	9	8	41	40
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very High														
mean	0.6	0.8	0.8	0	0	0	0	0	0	0	0	0.6	2.9	2.8
max	4	5	6	0	0	0	0	0	0	0	1	10	11	11
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0.5	0.4	0.2	0	0	0	0	0	0	0	0	0	1.1	1
max	4	3	2	0	0	0	0	0	0	0	0	0	7	7
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	1	1	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source: Mangonui/Manawatu (Rangitikei)														
Curing%	90	95	90	80	60	40	40	40	40	60	70	80		
Low														
mean	2	2.2	2	4	8.2	10.9	9.4	9.7	6.2	5.5	3.6	3.4	67	22.8
max	5	8	5	9	17	18	19	17	13	12	10	6	97	42
min	0	0	0	0	0	0	0	0	0	2	0	0	29	9
Moderate														
mean	10.1	8	11.4	18.9	22	18.7	21	20.8	23.1	24.4	19.3	15.4	213	107.3
max	21	21	23	30	31	30	30	30	29	28	26	24	282	149
min	2	2	5	12	14	12	11	14	17	19	12	8	180	73
High														
mean	14.9	14.3	14.6	6.6	0.8	0.4	0.6	0.6	0.7	1.1	6.9	10.8	72.4	69.4
max	22	22	21	15	7	3	8	7	3	6	14	19	97	97
min	6	4	7	0	0	0	0	0	0	0	1	1	52	31
Very High														
mean	3.2	3	2.4	0.3	0	0	0	0	0	0	0.2	1.3	10.3	10.2
max	10	9	7	2	0	0	0	0	0	0	2	6	27	23
min	0	0	0	0	0	0	0	0	0	0	0	0	3	2
Extreme														
mean	0.9	0.8	0.5	0.2	0	0	0	0	0	0	0	0.1	2.5	2.5
max	5	3	2	5	0	0	0	0	0	0	1	1	9	11
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	1	0	0	0	0	0	0	0	0	0	0	1	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scrub Fire Danger Class (SFDC) Frequency														
Low														
mean	3.4	3.8	4.4	6.3	8.6	11.2	9.7	10.7	7.7	7.4	5.9	5.7	84.8	37.3
max	8	13	10	15	19	19	18	18	18	14	12	9	114	60
min	0	0	0	1	0	0	0	0	0	3	0	0	46	21
Moderate														
mean	0	0	0	0	0	0.1	0	0	0	0	0	0	0.2	0
max	0	0	0	0	1	1	0	0	1	0	0	0	3	0
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	1	0.8	1.3	2	3.4	5.7	5	3.2	2.6	1.9	1.3	1.6	29.8	10
max	7	4	4	5	9	13	12	7	8	6	4	7	47	30
min	0	0	0	0	0	0	1	1	0	0	0	0	11	2
Very High														
mean	2.7	1.8	2.8	4.2	6.3	5.7	6.4	5.9	4.1	4.2	3	3.2	50.4	21.7
max	6	5	8	9	12	13	13	10	7	9	9	9	79	37
min	0	0	1	1	0	1	1	3	1	1	1	0	32	9
Extreme														
mean	8.1	7.4	8.2	11.2	9	5.3	7.4	8.7	10.6	10.9	8.6	9.2	104.6	63.9
max	18	15	15	19	16	14	13	19	18	18	16	14	140	92
min	2	2	2	5	1	0	1	1	2	5	4	4	83	43

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Very Extreme														
mean	15.8	14.4	14.2	6.3	3.6	2	2.6	2.5	5	6.6	11.2	11.3	95.5	79.3
max	28	23	23	15	19	6	9	12	12	12	19	21	144	126
min	4	1	4	0	0	0	0	0	0	1	2	1	54	28