

Station Name: Traquair Raws (TRQ)

Period: 1993-11-04 - 2021-07-01

Length of record: 27 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	16	16.1	14.7	11.9	9.3	6.2	5.8	7.4	9.7	11.1	12.5	14.7	11.3	13.9
median	15.9	16	14.4	11.6	9.1	6.1	5.6	7.3	9.7	10.9	12.2	14.4	10.9	13.6
max	29.8	29.8	26.8	23.8	21.7	15.9	16.1	16.5	23	24.2	25.9	28.1	29.8	29.8
min	5.3	5.1	2.6	0	-1.5	-3.3	-5.6	-1.8	-1.5	0	0.7	3.8	-5.6	0
Relative Humidity, %														
mean	67.2	67.1	66.5	69.5	73.4	77.3	75	71.6	65.4	64.8	65.7	66.6	69.2	66.8
median	68	68	67	70	73	79	76	72	65.9	65	66.6	67	70	67
max	100	100	100	100	100	100	100	100	100	100	100	100	100	100
min	14	6	21	29	21	32	26	26.9	16	18	21	23	6	6
Wind Speed, km/h														
mean	22.5	20.3	20.8	20.6	19.5	19.4	18.1	20.4	23.6	25.4	25.6	23.1	21.6	22.6
median	19.4	17.5	17	17.7	15.9	16.4	14.7	17.4	20	22	23.1	20.2	18.7	19.5
max	82.2	79	71.1	97.1	72.4	70.4	70.2	76	79.6	85.3	81.8	82.8	97.1	97.1
min	1.8	0	0	0	0	0	0	0	0	0	0	1.4	0	0
24-hr Rainfall, millimeters														
mean	2.3	2.2	1.5	2	2.2	1.8	1.7	1.4	1.3	2.2	2.1	2.3	1.9	2.1
median	0	0	0	0	0	0	0	0	0	0.2	0	0	0	0
max	73.4	60.8	93	173	109.8	83	148.4	98.4	50.6	47.2	96.4	54.4	173	173
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	67.7	64.7	48	61.5	66.1	52	52.9	43.1	40.1	67.6	64	69.9	58.1	63.3
max	189.4	186.8	100.2	226.4	329.6	202.4	201.8	163.6	97.8	188.6	281.4	151.8	329.6	281.4
min	27	9	5.2	9.6	9	12.2	11.2	12.6	8.4	22	8	16.4	5.2	5.2
Seasonal Rainfall, millimetres														
mean													697.5	439.2
max													1010.6	605.8
min													488.4	280.4
Fine Fuel Moisture Code, FFMC														
mean	72	73.4	73.9	70	65.7	61.2	65.7	67.1	72.4	69.1	71.4	71.5	69.4	71.6
median	80.2	81.2	80.8	79.2	74.5	68.2	73.7	74.8	78.7	75.6	78	79	77.1	79.3
max	95.8	98.1	93.1	90.5	89.6	86	88.1	89.4	92.7	92.4	93.6	93	98.1	98.1
min	3.1	4.1	1.5	1.4	0.1	2.4	2.7	1.3	4.4	4.3	5.8	4.3	0.1	1.4
Duff Moisture Code, DMC														
mean	14	15.3	14.3	11	6.4	2	2.2	3.6	7.4	8.1	10.4	12.9	8.9	12.3
median	10.4	12.7	11.8	10	4.9	1.3	1.6	2.9	6.4	6.5	8.8	10.4	6.3	9.9
max	61	59.8	46.9	48.1	30.5	18.1	8.4	14.7	30.1	29.5	35.3	49	61	61
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Drought Code, DC														
mean	221.8	266.5	286.8	288.1	224	144.5	113.9	77.2	76.7	82.2	118	179.2	173.8	206
median	211.4	255.8	303.6	293.7	248.5	115.1	88.5	36.8	41.6	65	112	171.6	157.8	189.8
max	512.5	592.6	543.7	517	484.8	403.6	378.5	297.3	285	286.8	362.6	371.9	592.6	592.6
min	5	8.6	9.4	2	0	0	0	0	0.4	1.5	3.3	4.4	0	1.5
Initial Spread Index, ISI														
mean	5.6	5.1	5.1	4.1	3	2	2.4	3.4	5.3	5.3	5.9	5.2	4.4	5.2
median	3.1	3.1	2.9	2.4	1.7	1.2	1.5	1.9	3	2.7	3	2.9	2.3	2.9
max	60.9	94.1	48	48.2	42.1	19.3	36.3	41.5	42.3	71.4	48	65.4	94.1	94.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	23.3	25.9	24.4	19.4	11.4	3.5	3.8	5.3	10.1	11.5	15.9	20.8	14.6	20.2
median	18	22	20.8	18	8.3	2.4	2.6	4.4	9.3	9.7	14.4	17.7	10.4	16.7
max	91.3	93.7	69.8	74.7	52.1	32	15.6	24.2	45.7	40.4	51.6	68.3	93.7	93.7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Weather Index, FWI														
mean	8.6	8.4	8	6.1	3.4	1.2	1.5	2.6	5.4	5.5	7.3	7.6	5.5	7.4
median	4.9	5.5	5.1	3.5	1	0.4	0.5	0.8	2.8	2.9	4	4.7	2.4	4.3
max	81.6	93	69.3	58.2	41	17.1	23.2	31.1	41.8	60	60.7	59.2	93	93
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	2.5	2.3	2	1.4	0.6	0.1	0.2	0.4	1	1.2	1.8	1.9	1.3	1.9
median	0.5	0.6	0.5	0.3	0	0	0	0	0.2	0.2	0.3	0.4	0.1	0.4
max	65.8	82.9	49.3	36.1	19.4	4.1	7.1	12	20.1	38.2	39	37.3	82.9	82.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	79.5	65.6	59.4	38.8	18	3.4	4.8	12	31.3	38.1	55.1	62	39	56.9
max	291.9	247.8	176.4	156.4	72.5	12.3	14.4	49.3	86.5	155.7	167.9	172.8	291.9	291.9
min	5.2	8.2	7.3	5.7	0.6	0.1	0.1	0.5	4.9	4.4	1.9	8.6	0.1	1.9
Cumulative Daily Severity Rating, CDSR														
mean													467.9	406
max													898.7	886.2
min													188.6	93.7

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	15.5	13.5	16	18.6	25.8	29.3	30.3	28.5	21.8	22.4	17.7	16.2	255.7	118.3
max	29	24	30	29	31	30	31	31	30	31	30	29	305	178
min	2	2	1	4	13	24	23	16	8	7	2	3	207	74
Moderate														
mean	11	11.1	11.3	9.1	4.4	0.7	0.7	2.4	7.5	7.6	9.8	11	86.7	71.9
max	21	21	20	24	14	6	8	12	19	22	23	18	118	102
min	2	4	1	1	0	0	0	0	0	0	0	2	53	29
High														
mean	2.8	2.2	2.3	1.9	0.6	0	0	0.1	0.7	0.8	1.9	2.6	15.8	15.1
max	8	11	8	7	4	0	0	3	5	5	7	12	31	26
min	0	0	0	0	0	0	0	0	0	0	0	0	6	0
Very High														
mean	0.8	0.7	0.9	0.3	0.2	0	0	0	0	0.2	0.4	0.7	4.3	4.2
max	7	4	4	3	4	0	0	0	1	3	4	4	14	12
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0.7	0.4	0.4	0.1	0	0	0	0	0	0	0.1	0.4	2.3	2.3
max	8	2	4	1	0	0	0	0	0	0	3	3	13	13
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	0.1	0.2	0	0	0	0	0	0	0	0	0	0	0.4	0.5
max	3	4	1	1	0	0	0	0	0	0	0	0	4	4
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	5.1	3.7	4.3	6.2	9	11.3	9.6	7.4	4.2	5.6	4.8	5.5	76.7	34.9
max	13	8	10	12	19	21	18	15	9	13	13	14	109	62
min	1	0	0	1	0	2	2	0	0	0	0	1	52	18
Moderate														
mean	20.4	17.3	21.6	19.9	20	18.1	20.3	20.6	19	19.1	19	20.8	236.1	138.1
max	25	23	26	26	29	28	28	26	26	25	28	26	266	155
min	14	11	15	14	11	9	11	10	14	11	14	13	210	120
High														
mean	4	5	4	3.4	1.9	0.6	1	2.4	5.1	4.4	4.6	3.5	39.8	29.2
max	11	11	9	8	8	2	3	9	10	9	13	11	63	47
min	0	0	1	0	0	0	0	0	0	1	0	0	25	16
Very High														
mean	1.4	1.3	1.1	0.5	0.1	0	0	0.6	1.7	1.5	1.6	1.1	11	8.5
max	7	4	4	3	1	0	1	3	6	6	5	3	20	17
min	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Extreme														
mean	0.1	0.9	0	0	0	0	0	0	0.1	0.4	0	0.1	1.6	1.5
max	1	3	0	0	0	0	0	0	1	3	0	1	4	6
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	6.3	5.3	5.4	7.3	9.1	11.6	9	8.6	6	8	6.6	6.7	89.9	45.3
max	14	12	10	12	19	23	18	17	11	15	13	18	123	74
min	1	0	0	2	0	2	2	1	0	1	0	1	67	26
Moderate														
mean	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	0	0	0	0	1	0	0	0	0	0	0	0	1	0
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	2.3	2.3	2.4	2.1	4	4.9	5.5	3.6	2.3	2.1	2	1.6	35.1	14.5
max	6	6	5	6	12	12	13	7	5	6	6	4	53	26
min	0	1	0	0	0	0	1	0	0	0	0	0	23	5
Very High														
mean	3	2.8	3.9	4.4	5.5	4.6	5.7	4.9	3.6	3.8	3.3	3.5	49	24.8
max	6	9	8	8	16	9	11	9	9	7	7	6	63	44
min	0	0	0	0	0	1	1	1	0	1	0	0	36	13
Extreme														
mean	7.5	7.8	9.3	7.7	6.1	5	5.9	6.9	7	6.1	6.7	8	84.1	53.2
max	13	14	17	16	12	11	10	14	13	11	11	15	98	74
min	3	2	3	4	2	1	2	3	2	3	3	3	67	41

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Very Extreme														
mean	12	10.1	10	8.5	6.1	3.8	4.9	7	11.1	11	11.5	11.2	107.1	74.4
max	22	19	18	19	16	9	12	16	18	18	25	25	142	100
min	3	3	3	3	1	0	0	1	4	6	0	2	76	35