

Station Name: Athol Raws (ATH)

Period: 1992-11-03 - 2021-07-02

Length of record: 28 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	20.9	21.2	19.3	16.5	13.6	11	10.2	11.1	12.9	14.7	16.7	19	15.6	18.3
median	20.9	21.3	19.3	16.6	13.6	11	10.3	11.1	12.9	14.7	16.6	18.9	15.3	18.3
max	30	27.9	27.2	24.4	20.2	17.2	18.8	17	21.2	21.5	25.9	31.2	31.2	31.2
min	12.4	11.1	9.7	7.4	4.7	3	2.8	4.5	6.3	6.1	6.4	9.4	2.8	6.1
Relative Humidity, %														
mean	65	65.1	66.4	72.8	78	80.8	79.4	76.6	72.5	69.9	67.3	68	71.8	67.8
median	64	64	66	72	78	82	80	78	73	70	66	67	71	67
max	100	100	100	100	100	100	100	100	100	100	100	100	100	100
min	21	30	18	39	45	47	35	41	36	22	26	24	18	18
Wind Speed, km/h														
mean	11.5	9.8	9.9	9.2	9.9	9.1	9.6	10.5	12.5	14.3	13.5	12.8	11.1	11.6
median	11.2	9	9.2	8.8	9.1	8.3	9	10.1	12.1	14.2	13	12.1	10.4	11
max	32.1	40.3	32.8	30	42	36.3	33.1	34	42.9	44.6	57.5	55.1	57.5	57.5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24-hr Rainfall, millimeters														
mean	2.9	2.8	2.9	3.9	4.9	5	5.1	4.7	4.8	4.3	3.8	4.6	4.2	3.6
median	0	0	0	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0	0	0.2	0
max	99.3	88.3	64.3	88.1	91.7	56.4	90.7	60.7	70.6	50.8	76.4	73.7	99.3	99.3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	92.3	80.7	88.6	118.7	155.2	149.7	158.9	145	143.1	133.8	115.7	138.4	126.7	109.7
max	284.4	323.7	188.7	262.8	220.6	275	374.6	268.8	270.1	248.2	213.9	263.8	374.6	323.7
min	13.9	3.3	26.7	25.6	76.7	55	28.4	50.5	31.9	53.1	25.3	58.8	3.3	3.3
Seasonal Rainfall, millimetres														
mean													1520	763.6
max													2250.6	1358.1
min													1150.4	505.8
Fine Fuel Moisture Code, FFMC														
mean	73.8	74.5	72.6	64.6	56.1	49.1	50.3	52.6	58.7	63.2	67.9	68.1	62.6	69.2
median	82.2	83.1	81.7	73.8	61.4	50.9	52.2	54.1	64.5	68.9	75.9	77.4	71	78.5
max	93.9	90.1	94.3	88.6	86.3	84.8	85.7	87	88.8	90.4	91.8	90.6	94.3	94.3
min	7.9	0	2	0	0.4	0.4	0	1.1	1.9	3.3	4.5	0	0	0
Duff Moisture Code, DMC														
mean	16.3	23	17.3	7.8	3	1.2	1.2	1.5	3.3	4.8	9.2	10.3	8.2	12.6
median	12.8	17.3	13.2	5.6	1.7	0.6	0.7	0.9	2.1	3.9	7	8.4	4.2	8.7
max	74.7	95.4	112.7	40.4	22.1	15.8	8.7	10.8	19	25.7	39.7	41.9	112.7	112.7
min	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0
Drought Code, DC														
mean	135.2	207.1	214	147	61.8	13.8	7.3	7.1	10.3	22	48	80	79.6	121.6
median	130.1	203.5	201.1	127.9	32.8	6	4.8	4.5	7	16.1	40	66.3	31.6	88.7
max	391	494.4	592.2	518.6	312.5	140.3	78.5	50.6	50.8	110.9	203.9	290	592.2	592.2
min	6.5	5	4.4	2.7	0.6	0.2	0.2	0.5	0.9	2.1	4	5.1	0.2	2.1
Initial Spread Index, ISI														
mean	2.9	2.7	2.4	1.5	1	0.6	0.7	0.8	1.3	1.7	2.2	2.2	1.7	2.3
median	2.5	2.6	2.2	1.1	0.7	0.3	0.3	0.4	0.9	1.2	1.6	1.7	1.1	1.8
max	15	10.6	10.2	7.7	11	4	4.3	5.8	9	11.9	16.1	11	16.1	16.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	23.9	34.6	27.3	12.9	4.8	1.6	1.5	1.8	3.6	6	12	14.8	12	18.7
median	20.1	28	20.9	9.3	2.6	0.9	0.9	1.1	2.3	4.7	9.4	12.3	5.8	13
max	93.4	120.2	152.8	66.2	36.4	17.5	11.6	13	19.6	27.9	52.5	56.1	152.8	152.8
min	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Weather Index, FWI														
mean	5.6	6.6	5	2.2	0.8	0.3	0.3	0.4	0.9	1.5	2.9	3.2	2.5	3.9
median	3.8	5.2	3.7	0.6	0.2	0.1	0.1	0.1	0.3	0.5	1.1	1.6	0.5	1.7
max	31.8	32.7	36.4	20.3	11.9	3.4	3.5	5.6	7.4	12.6	23.7	21.8	36.4	36.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	1	1.2	0.9	0.3	0.1	0	0	0	0.1	0.1	0.4	0.4	0.4	0.6
median	0.3	0.5	0.3	0	0	0	0	0	0	0	0	0.1	0	0.1
max	12.4	13	15.8	5.6	2.2	0.2	0.2	0.6	0.9	2.4	7.4	6.4	15.8	15.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	31.5	34.4	26.7	7.9	1.6	0.2	0.3	0.4	1.5	4	10.8	12.9	11	18.3
max	162.1	128.2	177.8	27.2	8.5	0.8	1.1	2.9	6.4	15.6	47.6	37.9	177.8	177.8
min	1.7	0.4	0.8	0.1	0	0	0	0	0	0.2	0.9	1	0	0.1
Cumulative Daily Severity Rating, CDSR														
mean													132.2	130.3
max													471.4	477.5
min													18.9	17.4

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	17.4	13.7	18	24.7	30.2	30	31	31	29.8	29.2	24	23.3	302.4	149.6
max	31	29	31	30	31	30	31	31	30	31	30	31	358	205
min	1	0	4	9	21	30	31	31	28	20	6	11	238	82
Moderate														
mean	11.6	11.5	11.1	5.1	0.8	0	0	0	0.2	1.8	5.8	7.6	55.6	55.3
max	28	26	20	21	10	0	0	0	2	11	22	20	115	92
min	0	0	0	0	0	0	0	0	0	0	0	0	8	8
High														
mean	1.5	2.6	1.4	0.1	0	0	0	0	0	0	0.2	0.1	5.9	5.9
max	11	20	9	4	0	0	0	0	0	0	2	2	36	36
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very High														
mean	0.4	0.4	0.3	0	0	0	0	0	0	0	0	0	1.1	1.1
max	6	4	8	0	0	0	0	0	0	0	0	0	12	12
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0.1	0	0.1	0	0	0	0	0	0	0	0	0	0.3	0.3
max	3	1	4	0	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
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 source (Waipā/Otorohanga/Waitomo/South Waikato)														
Curing%	70	70	60	40	40	40	40	40	40	40	40	60		
Low														
mean	5.3	4.4	7.2	11	15.9	18.8	18.8	18.1	13.7	11	8.4	8.5	141.1	55.6
max	10	14	17	23	26	27	31	29	23	18	17	17	211	90
min	0	0	2	2	7	12	8	8	1	4	1	4	101	29
Moderate														
mean	20.4	20.4	23.5	19	15	11.2	12.2	12.9	16.2	19.9	21.2	22.3	214.1	146.4
max	27	28	29	28	24	18	23	23	29	27	27	27	257	170
min	8	7	14	7	5	3	0	2	7	13	13	14	155	122
High														
mean	5.3	3.5	0.3	0	0.1	0	0	0	0.1	0.1	0.5	0.2	10	10.2
max	21	20	5	0	2	0	0	0	1	1	3	2	44	45
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very High														
mean	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	1	0	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
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	6.4	5.4	6.7	10.3	15.1	18	17.6	17.6	13.6	12.1	8.6	8.9	140.2	58.2
max	12	19	16	23	24	27	31	29	24	19	15	20	207	92
min	1	0	2	1	6	12	8	9	2	5	1	3	105	35
Moderate														
mean	0	0	0	0.1	0	0.1	0	0	0	0	0	0	0.2	0.1
max	1	0	1	1	0	1	0	0	1	0	0	0	2	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	3.7	3.4	4.1	5.6	6.9	6.6	6.9	5.7	4.6	4.2	3.8	3.6	59	28.3
max	10	9	8	13	15	14	18	11	9	8	8	8	85	51
min	0	0	0	1	2	2	0	2	1	1	0	1	36	10
Very High														
mean	3.9	3.6	4	4.5	4.2	3.6	3.6	4.6	4.5	4.5	4.8	4.5	50.3	29.5
max	10	8	7	11	8	7	8	10	12	9	12	7	76	48
min	0	0	0	1	0	0	0	0	0	0	0	1	35	16
Extreme														
mean	7.9	9	10.7	8	4.5	1.8	2.9	2.7	6.1	7.1	7.5	9	77.1	59.1
max	15	18	16	18	15	7	10	11	14	14	13	20	104	86
min	2	2	4	0	0	0	0	0	0	0	3	2	43	42

