

Station Name: Snowdon Raws (SDN)

Period: 1993-10-27 - 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	18.4	18.5	16.4	13.5	11.1	7.8	7.2	8.7	11	12.7	14.6	16.9	13.1	15.8
median	18.4	18.7	16.5	13.8	10.9	7.9	7.1	9.1	11.3	13	14.6	17.1	12.8	15.9
max	30.6	31.9	28.3	22.9	23.2	16.6	15.7	20.2	21.2	25.2	27.4	28.8	31.9	31.9
min	5	6.1	4.6	-0.5	0.3	-0.7	-1.7	-2	-1.8	0.4	1	3.3	-2	-0.5
Relative Humidity, %														
mean	61.9	62.6	63.7	65.6	65.6	68.4	66.7	64	60.5	62.2	61.2	61.2	63.6	62.6
median	61.9	63	63	62.6	63	67	64.9	61	58	61	59	60.9	62	61
max	100	100	100	100	100	100	100	100	100	100	100	100	100	100
min	11	14.3	17	20.8	22	23	17	17	17	16	14	17	11	11
Wind Speed, km/h														
mean	17.1	15	16.2	15.4	17.1	15.2	15.9	16.8	19.4	20.3	19.7	19.2	17.3	17.6
median	10.7	9.4	10	9.5	11.8	10	11.1	12.1	14.3	14.4	12.4	12.7	11.2	11
max	77.2	69.5	67.1	80.1	72	66.7	85.8	78.3	86.7	78.7	77.8	78.8	86.7	80.1
min	0	1.1	1	0.5	0.9	0	0	0	0	0	0	0	0	0
24-hr Rainfall, millimeters														
mean	2.7	2.6	2.6	3	3.2	3	3.1	2.9	2.6	3.3	3.1	2.6	2.9	2.8
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	78.2	103.2	68.2	74.4	239.4	62.6	104.6	181.2	49.8	63.6	57.6	68.6	239.4	103.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	80.3	74.6	80.6	91	85.9	89.7	95.7	91.2	78.7	102.4	91.4	78.7	86.7	85.6
max	279	223.8	135.2	245	241	158.4	250.4	271.2	188	199.8	214.4	194.2	279	279
min	11.2	18	17.2	16	22.6	20.2	10.2	17.4	14.4	39.2	16	17.4	10.2	11.2
Seasonal Rainfall, millimetres														
mean													1040.2	598.6
max													1357.6	895.8
min													633	358.8
Fine Fuel Moisture Code, FFMC														
mean	73.1	73.4	72.1	67.3	65.7	60	62.3	64.4	68.6	66.6	70.3	72.5	68	70.8
median	82.9	82.8	81.8	78.1	76.3	68.7	72.6	75.3	77.7	75.2	80.7	82	78.4	80.8
max	96.7	95.5	93.7	92.4	91	90.4	92.1	92.9	93	93.4	94.2	93.5	96.7	96.7
min	0.3	2.2	1.6	0	0.4	0.2	0	1.5	0.7	0.7	2.4	7.1	0	0
Duff Moisture Code, DMC														
mean	18.8	20.4	16.9	10	6.1	2.7	2.4	3.9	7	6.9	11.7	15.8	10.2	14.3
median	15	17.4	11.7	7.9	4.6	1.8	1.8	2.9	5.7	5.7	9.7	13.7	6.7	10.8
max	80.8	82	81.7	46.9	41.7	18.2	12.9	18.7	25.7	36.7	43	65	82	82
min	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0
Drought Code, DC														
mean	176.4	225.6	206.8	162	102.5	43.8	21.2	16	21.5	24.7	56.4	122.1	98.5	138.8
median	162.8	222.5	206.4	144.6	86.7	9.9	5.9	6.6	11.8	16.7	44.8	119.6	57.7	123.2
max	459.3	534.8	498.8	530.4	527.8	217.4	156	160.7	172.7	168.7	218.7	286.7	534.8	534.8
min	5.4	4.1	2.9	0.8	0	0	0	0	0	1	2.6	4.3	0	0.8
Initial Spread Index, ISI														
mean	7.4	6.1	6	4.5	4.1	2.8	3.1	3.8	5.4	5.2	6.4	7	5.2	6.1
median	2.9	2.7	2.5	1.8	1.8	1.1	1.3	1.7	2.3	2.1	2.8	3.2	2.1	2.6
max	85.8	58.8	61.4	51.1	34.3	34.4	36.5	38.4	43.8	49.2	49.2	51.9	85.8	85.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	28.5	31.8	26.5	16.6	9.6	4	3	4.4	7.5	7.6	14.7	22.9	14.8	21.2
median	24.3	28.4	19.7	13.3	7.2	2.3	2	2.9	5.8	6.4	12.5	20.7	9.3	16.3
max	111.7	113.8	114.3	75.4	65.3	26.2	21.4	23.1	28.8	39.3	50.3	81.8	114.3	114.3
min	0	0	0	0	0	0	0	0	0	0	0	0.3	0	0
Fire Weather Index, FWI														
mean	11.3	10.4	9.3	6	4.2	2	2	2.8	4.9	4.6	7.5	10.2	6.3	8.5
median	6.1	5.5	4.8	2.1	1.1	0.4	0.4	0.6	1.4	1.4	3.6	5.5	1.9	3.8
max	97.3	75.5	81.4	76.7	48.9	33.6	32.1	35.4	38.2	41.6	55.5	70.9	97.3	97.3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	4	3.5	2.9	1.6	0.8	0.3	0.3	0.4	1	1	2	3.3	1.8	2.6
median	0.7	0.6	0.4	0.1	0	0	0	0	0	0.1	0.3	0.6	0.1	0.3
max	89.9	57.4	65.5	59	26.6	13.7	12.6	15	17.2	19.9	33.2	51.4	89.9	89.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	128.7	101.3	91.9	48.8	25.8	9.5	8.8	13.8	30.4	29.8	62	105.9	54.7	81.2
max	371.4	406.5	391.1	343.6	87.5	39.1	35.2	60.2	75.3	77.9	199.9	327.6	406.5	406.5
min	12.9	9.6	9.7	2.4	1.9	0.1	0.1	1.1	4.4	4.2	6.8	7.2	0.1	2.4
Cumulative Daily Severity Rating, CDSR														
mean													656.5	565.9
max													1340.3	1370.5
min													215.4	185

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	13.7	12.7	15.7	20.6	25	28.2	29.8	28.7	23.8	24.9	17.9	14.8	255.9	121
max	27	21	27	30	31	30	31	31	30	31	29	28	311	174
min	3	2	3	6	11	19	21	18	10	18	5	4	210	69
Moderate														
mean	10.4	9.7	10.3	6.6	5.2	1.7	1.1	2.2	5.3	5.6	9.4	10.1	77.7	61.5
max	19	16	19	16	20	10	8	12	17	11	18	16	111	86
min	3	5	3	0	0	0	0	0	0	0	1	3	46	35
High														
mean	3.6	2.9	2.8	1.9	0.6	0.1	0.1	0.1	0.9	0.4	1.7	3.4	18.4	16.7
max	8	7	7	9	4	2	2	2	4	3	7	8	34	30
min	0	0	0	0	0	0	0	0	0	0	0	0	6	3
Very High														
mean	1.7	1	1	0.5	0.1	0	0	0	0	0.1	0.6	1.4	6.4	6.4
max	5	3	4	3	3	0	0	0	0	2	3	6	13	14
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	1	1.4	0.8	0.2	0.1	0	0	0	0	0	0.3	1.2	5	4.9
max	3	6	5	4	2	0	0	0	0	0	2	6	12	14
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	0.6	0.5	0.4	0.1	0	0	0	0	0	0	0	0.2	1.8	1.8
max	5	7	7	4	0	0	0	0	0	0	0	4	13	13
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source Canterbury (Foothills (N of Rakaia))														
Curing%	80	90	90	70	55	25	15	25	35	40	65	75		
Low														
mean	5.1	4.5	5.3	7.9	8.8	13.7	15.6	12.1	9	9.2	6.7	6.1	104	45
max	17	11	11	17	19	20	25	22	19	17	18	17	156	82
min	0	0	1	2	1	2	10	1	3	4	0	0	62	22
Moderate														
mean	12.8	11.7	12.8	14.9	15.9	14.4	14.3	16.3	14.3	15.1	14.4	12.9	169.7	94.9
max	20	18	19	23	24	26	19	26	20	22	23	18	202	111
min	6	5	5	7	10	7	6	8	8	10	7	8	144	79
High														
mean	6	6	5.6	4.4	4.9	1.9	1.1	2.6	5.9	5.6	4.9	5.2	54.1	37.5
max	11	15	11	12	8	6	4	8	12	9	8	10	66	51
min	1	0	1	0	2	0	0	0	1	1	1	2	39	22
Very High														
mean	2.7	2.1	2.9	1.9	1.4	0	0	0	0.7	1.2	3.3	3.4	19.6	17.2
max	7	4	6	4	6	0	0	1	4	4	7	7	29	28
min	0	0	0	0	0	0	0	0	0	0	0	0	14	10
Extreme														
mean	3.8	2.8	3.6	0.9	0	0	0	0	0	0	0.7	3.4	15.2	15
max	8	6	7	5	1	0	0	0	0	0	3	8	20	23
min	0	0	0	0	0	0	0	0	0	0	0	0	6	6
Very Extreme														
mean	0.6	1.1	0.9	0	0	0	0	0	0	0	0	0	2.6	2.6
max	3	4	5	0	0	0	0	0	0	0	0	0	8	8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scrub Fire Danger Class (SFDC) Frequency														
Low														
mean	6.1	5.7	6.7	8.9	9.7	11.8	11.6	10.8	8.5	9.6	7.7	6.9	104.1	51.9
max	17	11	12	18	22	17	20	19	17	17	19	19	147	89
min	0	1	1	2	2	1	6	2	1	2	1	0	62	31
Moderate														
mean	0	0	0	0	0	0.1	0	0	0	0	0	0	0.1	0
max	0	0	0	0	0	1	0	0	0	1	0	0	1	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	3.3	2.9	3.2	4	3.7	4	3.7	3.5	3.4	3.4	2.9	2.6	40.7	22.9
max	6	7	11	12	8	9	8	8	8	8	6	6	64	36
min	0	0	0	0	0	0	0	0	0	0	0	0	27	8
Very High														
mean	2.7	3.2	3.9	3.4	3	3.7	3.7	3.1	2.7	2.6	2.5	2.4	37	20.6
max	8	6	8	9	9	10	7	6	8	5	6	8	47	31
min	0	1	0	1	1	0	0	1	0	0	0	0	27	11
Extreme														
mean	6.4	6.6	6.3	5.3	6	4.4	5.2	5.4	4.8	5	5.7	6.7	67.7	41.7
max	15	11	13	12	14	8	9	13	10	10	15	14	86	55
min	1	3	2	2	0	1	2	0	0	1	1	2	48	22

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Very Extreme														
mean	12.5	9.9	10.9	8.3	8.6	6	6.7	8.3	10.6	10.4	11.2	12.4	115.6	75.2
max	20	18	19	21	15	14	13	18	18	17	21	21	146	114
min	4	3	5	2	2	0	0	2	5	5	5	4	82	52