

Station Name: Nugget Point Aws (NGX)

Period: 1999-09-01 - 2022-03-04

Length of record: 22 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON	
Temperature, degrees Celsius															
mean	15.4	15.3	14.3	12.2	9.8	8	7.4	8.5	10.2	11.5	12.7	14.7	11.7	13.7	
median	15	15	14	12	10	7.9	7.2	8.3	10	11	12.4	14.5	11.4	13.6	
max	28.5	26.7	26.5	22.2	20.4	17.1	16.5	17.6	20	25	27	29	29	29	
min	7	7.3	5	3	0.5	1	0.5	0.1	-0.1	2	4	6	-0.1	2	
Relative Humidity, %															
mean	75.2	74.9	75.8	76.9	80	80	80.1	78.8	73.5	73	73.4	74.5	76.3	74.8	
median	75	75	76	77	80	81	80	79	74	74	74	74	77	75	
max	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
min	32	36	29	43	41	40.4	34	42	29	33	31	27	27	27	
Wind Speed, km/h															
mean	26.9	25	22.8	23.6	22.2	23.1	22.1	22.1	24	27.1	28	27.4	24.6	25.9	
median	24	20.4	18.5	19	19	19	19	18.5	20	24	24.1	24.1	20.4	22.2	
max	90.7	77.8	87	94.5	105.6	91	91	94.5	80	83.3	83	77.8	105.6	94.5	
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24-hr Rainfall, millimeters															
mean	2.4	2.3	1.7	2.1	2.5	2.3	1.8	1.7	1.9	2.3	2.4	2	2.1	2.2	
median	0.2	0	0	0.2	0.3	0.4	0.2	0.2	0.2	0.4	0.6	0.2	0.2	0.2	
max	49.4	66.4	61.2	33	65.8	39.4	34.4	21	34	32	26.2	53	66.4	66.4	
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Monthly Rainfall, millimetres															
mean	76.1	63.2	52	62.8	76.4	68.1	56.4	51.3	54.7	69.7	70	63.1	63.6	65.3	
max	137.4	177.8	107	121.4	166.6	143.8	107.4	106.6	113.8	126	127.6	169.6	177.8	177.8	
min	18.8	19.4	0	23.6	8.6	21.8	20.8	13	17.6	28.6	29	11.4	0	0	
Seasonal Rainfall, millimetres															
mean														763.7	460.2
max														945.8	629.2
min														619.2	368.6
Fine Fuel Moisture Code, FFMC															
mean	67.2	69.2	70.5	64.7	58.4	58.3	59.6	61.1	65.4	66.4	67.2	69.5	64.8	67.8	
median	74.8	76.1	76.1	71.9	62.8	62.1	65.7	66.7	71	72	73	76.7	71.6	74.6	
max	90.9	89.9	90.7	87.4	88.6	86.1	86.6	86.6	90	90.4	89.5	90.6	90.9	90.9	
min	2.2	1.1	5.1	3	0	2.9	3.4	1	0.6	2.1	8.3	3.3	0	1.1	
Duff Moisture Code, DMC															
mean	8	7.9	8.7	5.1	2	1	1.1	1.9	3.5	4.1	5	8.1	4.7	6.7	
median	6.3	7.1	7	4.4	1.2	0.5	0.7	1.3	3	3.5	4.4	7.1	3.2	5.4	
max	34	27	35	23.2	14.3	15.1	6.4	9	14.2	18.1	20.9	29.6	35	35	
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Drought Code, DC															
mean	222.7	258.4	287	283.6	211.6	126.7	82.4	60.6	54.4	55.6	88.4	165	157.2	192.5	
median	225.7	265.5	293.2	289.8	192.4	128.5	70.1	43.9	41.4	47	84.5	168.2	136	183.2	
max	505.3	426.4	474.5	485.8	430.2	425.9	292.2	185.1	204.7	215.5	221.5	322.5	505.3	505.3	
min	6.1	4.8	78.9	55.8	0.5	0.1	0	0	0	1.9	3.7	5	0	1.9	
Initial Spread Index, ISI															
mean	3.6	3.8	3.2	2.6	1.7	1.5	1.8	1.9	2.8	3.3	3.6	4.1	2.8	3.5	
median	2.6	2.7	2.2	1.8	1.1	1.1	1.3	1.4	1.9	2.1	2.4	2.9	1.8	2.4	
max	23.7	32	22.7	26	27.5	20.4	18.9	16.3	23.7	42.4	30.8	35.9	42.4	42.4	
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Buildup Index, BUI															
mean	14.1	14.3	15.6	9.6	3.7	1.9	2	3.2	5.3	6.2	8.4	13.9	8.2	11.7	
median	11.7	13.3	12.9	8.3	2.3	1	1.3	2.3	4.7	5.4	7.6	12.7	5.6	9.7	
max	52.9	44.9	57.6	40.4	23.8	25	12.1	12.5	18.1	21.6	32.4	46.4	57.6	57.6	
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Fire Weather Index, FWI															
mean	4.7	4.8	4.3	2.8	1.1	0.7	0.9	1.2	2.2	2.7	3.4	5.1	2.8	4	
median	3	3.2	2.5	1	0.4	0.3	0.4	0.4	0.8	1.1	2.1	3.7	0.9	2.3	
max	33.2	35	31.4	27.9	22.1	16.7	13.2	12.9	18.4	31.6	29.5	34.7	35	35	
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Daily Severity Rating, DSR															
mean	0.8	0.8	0.7	0.3	0.1	0	0.1	0.1	0.2	0.3	0.5	0.9	0.4	0.6	
median	0.2	0.2	0.1	0	0	0	0	0	0	0	0.1	0.3	0	0.1	
max	13.4	14.7	12.1	9.8	6.5	4	2.6	2.5	4.7	12.3	10.8	14.5	14.7	14.7	
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Monthly Severity Rating, MSR															
mean	24.6	23.5	21	10	2.9	1.2	1.7	2.8	7.4	9.9	14.5	26.1	12.1	18.5	
max	65.2	71.6	65.4	27.7	15.2	7.4	6.7	7	19.7	31	64	92.4	92.4	92.4	
min	4.9	2.7	1.6	1.4	0.3	0.1	0.2	0.3	0.8	1.6	3.1	3.7	0.1	1.4	
Cumulative Daily Severity Rating, CDSR															
mean														145.6	130.2
max														206.6	198.2
min														84.3	73.9

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	21.4	18.9	21.7	25.3	30.5	29.8	30.9	30.7	28.2	28.4	25.8	20.5	312	162
max	29	28	31	30	31	30	31	31	30	31	30	31	336	186
min	6	7	7	17	24	27	29	29	25	24	17	7	292	140
Moderate														
mean	8.3	8.5	8.6	4.5	0.5	0.2	0.1	0.3	1.8	2.6	4	9.8	49.3	46.4
max	23	19	22	13	7	3	2	2	5	7	10	22	70	68
min	2	0	0	0	0	0	0	0	0	0	0	0	29	25
High														
mean	1.1	1	0.5	0.1	0	0	0	0	0	0	0.2	0.7	3.6	3.6
max	4	5	2	2	0	0	0	0	0	0	4	6	9	10
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very High														
mean	0.2	0	0.2	0	0	0	0	0	0	0	0	0	0.4	0.4
max	2	0	2	0	0	0	0	0	0	0	0	0	2	2
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
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	6.5	3.9	4.9	7.2	12.7	12.5	11.8	10.3	6.4	5.5	5.4	4.7	91.7	38.5
max	13	9	12	12	22	24	21	20	13	13	12	11	115	54
min	2	0	0	3	0	6	5	1	0	0	1	0	72	24
Moderate														
mean	21.3	17.9	24	21.4	18	17.4	19	20.1	21	22	21.5	22.6	246	149.7
max	26	22	29	26	30	24	26	30	26	27	26	27	266	164
min	13	10	18	17	9	6	10	10	14	16	16	17	214	129
High														
mean	3.3	5.3	2.1	1.3	0.3	0.1	0.2	0.6	2.4	3.4	3	3.4	25.5	22
max	7	11	5	3	2	1	1	3	5	9	7	9	37	34
min	0	1	0	0	0	0	0	0	0	0	1	1	16	15
Very High														
mean	0	1	0	0	0	0	0	0	0.2	0.1	0.2	0.3	1.9	1.9
max	0	4	0	1	0	0	0	0	1	2	2	3	5	7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0	0.1	0	0	0	0	0	0	0	0	0	0	0.2	0.2
max	0	3	0	0	0	0	0	0	0	1	0	0	3	3
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	8.8	6.5	6.3	9.8	13.9	14	12.9	12.2	9.7	9.3	8	7.4	118.7	56.5
max	15	13	12	17	24	24	21	20	17	18	16	18	138	75
min	3	1	0	4	1	7	6	1	2	3	2	1	93	37
Moderate														
mean	0	0	0.1	0	0	0	0	0	0	0	0	0.1	0.4	0.2
max	1	0	1	0	0	1	1	0	1	0	0	1	3	2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	1.3	2.3	3.5	3.1	3.6	4.1	3.5	3.8	3	2	1.8	1.8	33.8	15.8
max	4	5	9	6	10	8	7	7	6	4	4	4	45	24
min	0	0	0	0	1	0	1	1	0	0	0	0	21	9
Very High														
mean	3.7	3.4	5.6	4.7	5.2	5.3	5.8	5.5	4.2	5.1	4	2.9	55.4	29.3
max	7	7	10	8	16	11	10	9	8	9	8	7	67	38
min	1	1	1	1	1	1	1	2	1	0	1	0	40	21
Extreme														
mean	8	7.6	8.1	6.4	6	4.5	6.1	5.8	7.1	6.7	7.6	7.9	81.7	51.9
max	13	12	18	12	19	9	12	17	14	12	13	15	101	65
min	3	2	4	1	2	1	1	1	2	0	2	3	66	36

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Very Extreme														
mean	9.1	8.5	7.4	6	2.4	2.2	2.6	3.7	5.9	8	8.6	11	75.3	58.5
max	15	15	13	11	8	7	8	7	10	15	18	20	89	73
min	4	3	3	2	0	0	0	0	2	3	4	6	63	45