

Station Name: Cornwallis Depot Raws (CDT)

Period: 1993-11-18 - 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	23.4	23.9	22.6	20.2	17.3	14.8	13.9	14.7	16.2	17.6	19.4	21.6	18.8	21.2
median	23.6	24	22.6	20.3	17.4	15.1	14	14.7	16.3	17.6	19.3	21.6	18.6	21.3
max	32.9	31.1	28.8	28.5	24.4	22.5	19.8	21	22.7	24.9	26.7	29.9	32.9	32.9
min	14.5	15	15.1	9.2	8.4	8	6.3	6.4	7.4	8.9	11	12.1	6.3	8.9
Relative Humidity, %														
mean	63.7	64.1	64.8	70.6	76.2	78.6	77.9	75	70	67.6	65.7	65.9	70	66.1
median	62	62	63	69	76	78	78	74	69	66	64	63	68	64
max	100	99	100	100	100	100	100	100	100	100	100	100	100	100
min	28	34	35	39	41	46	29	42	38	37.8	35.7	39	28	28
Wind Speed, km/h														
mean	13.6	12.5	12	11.2	11.3	11.3	11.9	12.6	14	15.1	15	14	12.9	13.3
median	13.3	12	11.4	10.4	10	10.4	10.3	11.5	13	14.7	14.4	13.7	12.3	13
max	44.6	35.6	41.4	36.7	38.9	42.6	47.3	45.2	51.7	42.5	44.1	39.4	51.7	44.6
min	1.2	0.7	1.4	1.3	0	0.2	0.8	0	2.7	2.2	1.2	2.3	0	0.7
24-hr Rainfall, millimeters														
mean	2.5	2.7	2.7	3.8	4.2	5.3	5.6	4.9	4.3	3.7	3	3.2	3.8	3.1
median	0	0	0	0.2	0.5	1.1	1.5	1.2	0.5	0.4	0	0	0.2	0
max	75	87	103.5	113	101	108.2	74.4	92	78.6	86.6	50.5	87.4	113	113
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	77.7	75.9	85.5	111.2	133.3	158.7	172.9	152.3	128.1	114.8	88.7	97.6	116.4	93.1
max	215.5	331	304	238.5	251.8	287.6	399.6	306.8	296	208.5	224.2	252.2	399.6	331
min	12.6	8.2	11.4	22.4	0.8	33.4	19.6	58.6	36.6	30.4	25.2	8	0.8	8
Seasonal Rainfall, millimetres														
mean													1396.7	653.7
max													1998	984
min													943.4	382.2
Fine Fuel Moisture Code, FFMC														
mean	77.6	77	76.5	68.2	61.8	54.5	53	56.6	65.1	68.7	72.7	74.4	67.2	73.6
median	84.9	85.3	84	77	68.8	57.4	54.1	60.1	72.1	76.2	80.7	82.7	75.9	82.2
max	90.4	91.3	91.1	89	87.3	86.4	85.2	86.7	87.9	89.3	89.3	90.1	91.3	91.3
min	5.8	4.4	2.2	4.4	2	0.3	1.5	2.8	2.2	3	8.4	0	0	0
Duff Moisture Code, DMC														
mean	22	26.2	21.2	9.9	4.6	1.9	1.9	2.2	4.5	7.4	11.9	17.7	11	16.6
median	18.6	23	15.9	7.1	3.1	0.7	0.6	1.2	3.6	5.8	10	14.6	6.2	12.6
max	88.8	94.4	96	51.9	24.9	29.7	35	30.1	19.9	30.6	41	86.7	96	96
min	0.9	0	0.1	0	0	0	0	0	0	0	0.7	0.1	0	0
Drought Code, DC														
mean	214.8	283.6	286.1	224.1	132.6	50.8	26	18.8	16.5	30.6	73.9	142	125.5	179.3
median	216	299.1	307.5	186.3	102.3	13.4	6.8	7.5	11.3	24.1	65.3	132.4	73.7	148.6
max	592.8	616	620.3	637.3	476.4	373.1	301.1	330.6	85.1	123.2	261	391.7	637.3	637.3
min	7.4	6.2	5.2	3.4	1.2	1.3	1	0.9	1.2	2.6	4.7	6	0.9	2.6
Initial Spread Index, ISI														
mean	3.8	3.7	3.2	2	1.3	0.9	0.9	1.1	1.8	2.3	2.9	3.2	2.3	3
median	3.8	3.8	3.1	1.6	1	0.6	0.4	0.7	1.3	1.8	2.6	3.1	1.6	2.7
max	21.2	14	15.2	14.3	7.7	7.6	16.6	7.5	25.2	12.9	19.9	10.5	25.2	21.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	33.6	41	34	16.7	8.1	3.1	3	3	5.2	8.8	16.4	26	16.6	25.2
median	29.1	38.1	26.8	12.7	5.4	1.2	0.9	1.7	4	7.1	14.6	22.2	9.2	19.5
max	114.2	123.8	138.1	85	39.6	46.3	53.9	49	22.2	37.2	58.9	111.6	138.1	138.1
min	1.4	0	0.2	0	0	0	0	0	0	0	1	0.2	0	0
Fire Weather Index, FWI														
mean	8.4	9.1	7.2	3.1	1.3	0.5	0.6	0.7	1.5	2.4	4.3	6.1	3.8	5.8
median	7.7	8.9	6.3	1.4	0.4	0.2	0.1	0.2	0.5	0.9	3.4	5.5	0.9	4.2
max	35.8	36.5	33.3	19.5	13.6	10.4	13.5	12.2	18	16.1	25.8	30.9	36.5	36.5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	1.7	1.9	1.3	0.4	0.1	0	0	0	0.1	0.3	0.6	1	0.6	1
median	1	1.3	0.7	0	0	0	0	0	0	0	0.2	0.6	0	0.3
max	15.3	15.8	13.5	5.2	2.8	1.7	2.7	2.3	4.5	3.7	8.6	11.8	15.8	15.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	53.2	53.5	42.4	12.3	3.4	1.1	1.5	1.4	3.7	7.8	17.2	31.5	19.1	31.1
max	157.1	146.4	150.7	36.8	15	14.8	23.1	13.9	11.3	30.1	56.2	120.7	157.1	157.1
min	8.4	1.9	5.1	0.3	0.1	0	0	0	0.2	0.1	2.8	2.7	0	0.1
Cumulative Daily Severity Rating, CDSR														
mean													228.9	215.4
max													556	543.1
min													59.3	100.4

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	11.3	9.4	12.5	22.6	28.8	29.3	30.2	30.6	28.6	26.5	19.7	14.6	264.1	117
max	25	27	28	30	31	30	31	31	30	31	30	30	328	152
min	2	1	1	7	17	16	13	21	22	12	4	0	192	65
Moderate														
mean	14.9	13.6	15.7	7.1	2.2	0.7	0.8	0.4	1.4	4.5	10	15	86.2	80.6
max	23	23	26	23	14	14	18	10	8	19	23	26	125	110
min	6	1	3	0	0	0	0	0	0	0	0	1	36	56
High														
mean	4.1	4.7	2.4	0.3	0	0	0	0	0	0	0.3	1.3	13.1	12.9
max	16	17	14	3	0	0	0	0	0	0	3	12	39	43
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very High														
mean	0.6	0.5	0.4	0	0	0	0	0	0	0	0	0.1	1.6	1.6
max	5	4	7	0	0	0	0	0	0	0	0	2	15	15
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0.2	0.2
max	2	1	1	0	0	0	0	0	0	0	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
Grass Fire Danger Class (GFDC) Frequency														
Curing source Auckland (Mainland)														
Curing%	75	80	80	60	40	40	30	40	45	50	65	70		
Low														
mean	2.9	2.8	3	7.9	12.2	16.3	19.6	15.1	9.3	7.2	4.5	4	104.7	32.7
max	8	12	8	20	21	26	31	31	17	14	13	9	142	50
min	0	0	0	1	0	2	3	4	2	1	0	0	57	19
Moderate														
mean	15.6	12.4	16.7	22	18.8	13.7	11.3	15.9	20.3	23	23.6	21.2	214.6	134.4
max	22	20	25	29	31	28	28	27	27	30	28	29	247	158
min	5	2	6	10	10	4	0	0	13	17	14	12	171	101
High														
mean	12.3	12.7	11.1	0.1	0	0	0.1	0	0.4	0.8	1.9	5.8	45.3	44.6
max	23	25	23	1	0	0	3	0	5	4	6	14	74	79
min	3	1	2	0	0	0	0	0	0	0	0	0	10	20
Very High														
mean	0.2	0.3	0.1	0	0	0	0	0	0	0	0	0	0.7	0.6
max	2	3	2	0	0	0	0	0	1	0	1	0	3	3
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	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
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	4.2	4	4.3	8	12	15.8	18	15.5	10.5	8.9	6.2	5.6	113	41.7
max	9	14	11	22	21	25	30	31	20	17	14	16	149	60
min	1	0	0	1	0	2	3	6	2	3	1	0	62	27
Moderate														
mean	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0
max	0	0	0	0	1	0	1	1	0	0	0	0	1	0
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	2	1.9	2.6	5	6.2	6.3	5.6	5.4	4.2	3.6	2.5	2.6	48	20.4
max	5	5	7	11	17	13	10	11	10	9	6	5	78	33
min	0	0	0	1	2	1	1	0	1	0	0	0	21	11
Very High														
mean	2.9	2.6	3.2	4.9	5.6	4.4	4	4.9	5.6	4.4	4.2	3.6	50.4	25.7
max	7	7	7	13	11	10	9	10	10	8	9	7	73	42
min	0	0	0	0	1	0	0	0	2	2	1	1	33	15
Extreme														
mean	8.2	7.7	10.9	8.8	6.3	2.8	2.6	4.1	7	9.2	9.6	9.1	86.3	63.4
max	17	15	18	18	15	12	13	14	13	17	14	18	109	87
min	2	3	4	1	0	0	0	0	1	0	4	3	45	33

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Very Extreme														
mean	13.7	12	10	3.3	0.9	0.6	0.7	1.1	2.7	4.9	7.5	10.1	67.5	61.1
max	26	23	21	15	5	6	7	5	9	16	16	18	104	94
min	3	1	1	0	0	0	0	0	0	0	0	2	22	29