

Station Name: Clyde 2 Ews (CLY)

Period: 1997-09-19 - 2021-07-01

Length of record: 23 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	20.9	20.5	18	13.6	9.3	5.3	4.8	8.2	12.5	14.9	17.4	19.8	13.8	17.9
median	20.7	20.3	17.8	13.5	9	5	4.7	8	12.5	14.8	17.2	19.8	14.1	17.6
max	34.3	32.5	29.1	25.6	24.1	18.2	17	19.7	23.3	26.5	29.6	31	34.3	34.3
min	8.9	8.6	8.1	2.6	-1.6	-5.1	-4.4	-0.4	2.5	3.7	4.9	7.8	-5.1	2.6
Relative Humidity, %														
mean	51.1	53.1	57.7	64.2	73.5	78.9	77.9	68.9	56.8	53	49.2	49	61.1	53.9
median	50	51	58	64	75	82	80	69	57	52	46.1	47	60	53
max	100	100	99	100	100	100	100	100	100	99.8	99.9	100	100	100
min	13	16	25	23	31	30	31	27	21	18	14	20	13	13
Wind Speed, km/h														
mean	9.3	7.7	7.2	6.5	5.7	4.9	5	6	9.1	9.7	9.8	8.9	7.5	8.5
median	7.2	6	5.5	4.7	4	3.1	3.1	4.2	6.8	7.6	7.9	7.4	5.5	6.5
max	35	34.9	41.8	40.7	36.7	33.8	47.5	49.7	63	41.8	46.1	33.1	63	46.1
min	0	1	0	0	0	0	0	0	0.6	0.4	0	0.5	0	0
24-hr Rainfall, millimeters														
mean	1.5	1.4	0.9	0.9	1.1	1.1	0.7	0.6	0.8	1.1	1.2	1.1	1	1.2
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	78.8	55	50.6	32.6	47.2	41.2	28.2	22	23.2	23.4	39.2	44.6	78.8	78.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	42.2	40.6	29.9	28.5	33.3	32.6	22	18.2	25.4	34	35.6	34	31.3	35
max	95.4	129.6	86.3	55.1	67.2	130	49.4	34.4	49	57.6	133.2	84.4	133.2	133.2
min	10.2	3.8	6.2	7.2	5.8	3	3	6.4	10	6.2	2.8	6.6	2.8	2.8
Seasonal Rainfall, millimetres														
mean													376.1	247.3
max													549	363.4
min													268	167
Fine Fuel Moisture Code, FFMC														
mean	81.5	81	80	76.7	68.5	62.6	68.5	73.5	78.5	78.8	80.6	81.6	76	80
median	87	86.8	85	82.6	75.1	70.3	73.8	78.9	83.6	84.3	86.5	86.7	81.9	85.4
max	96.1	94.7	92.3	92.9	90	89.2	88.2	90.6	92.1	94.5	96	94.6	96.1	96.1
min	10.8	10.6	17.6	10.9	7.4	2.5	10.8	12.2	17.1	20.3	12.9	20.2	2.5	10.6
Duff Moisture Code, DMC														
mean	43.1	43	40.8	31.9	14.7	6.1	3.6	6.6	16.4	25.4	35	42.9	25.8	37.4
median	37.1	40.4	36.8	30.2	11.2	4.3	2.7	5.7	15.1	22.8	31.8	39.8	19.4	33.4
max	125.5	113	116.4	84.6	61	38.8	15.4	22.3	44.8	92.4	95.9	112.2	125.5	125.5
min	3.3	2.6	3.9	1.9	0.1	0	0	0	1.3	2.2	1	2.5	0	1
Drought Code, DC														
mean	529.5	553.4	570.2	580.3	514	429.8	370.9	355	355.6	370.8	415.3	489.4	461.6	500.6
median	522.4	545.5	561.2	575.9	495.5	410.3	381.7	351.5	335.2	360.5	420.8	500.4	440	488.1
max	929.7	988.6	1032.9	933.5	919.8	855.6	690	691.3	738.2	720	706.9	780.4	1032.9	1032.9
min	155.1	248.1	243.2	293.8	228.2	125.4	76.5	103.4	127.2	159.1	150.7	193.1	76.5	150.7
Initial Spread Index, ISI														
mean	5.1	4.2	3.5	2.5	1.4	1	1.2	1.7	3.2	3.9	4.9	4.6	3.1	4.1
median	4	3.8	2.9	1.9	1	0.7	0.9	1.3	2.5	2.9	4	4	1.9	3.2
max	33.2	31.6	46.7	39.5	18.4	11.2	25	24.1	31	51.5	53	35.6	53	53
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	69.8	70.5	67.5	54.9	26.8	11.5	6.8	12.4	28.6	42.1	55.9	68.4	43.1	61.2
median	62.4	67.1	63.3	52.6	21.2	8.4	5.2	11	26.9	38.8	52.6	65.8	34.3	56.5
max	178.7	159.4	181.6	126.7	99	66.8	28.4	39.9	76.1	132.8	139.4	157.1	181.6	181.6
min	6.2	5.1	7.5	3.8	0.2	0	0	0	2.5	4.3	1.9	4.9	0	1.9
Fire Weather Index, FWI														
mean	15	13.1	11	7.3	2.6	1.1	1	2	6.2	9	12.9	14	7.9	11.7
median	12.5	13.1	9.9	5.7	0.9	0.4	0.4	0.8	4.9	7.3	11.4	12.5	4.3	9.7
max	66.5	62.7	88.2	77	31.3	18.1	30.7	33.1	44.8	76.4	73.3	63.6	88.2	88.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	4.8	3.6	2.7	1.5	0.3	0.1	0.1	0.2	1.1	2.2	3.7	4.1	2	3.2
median	2.4	2.6	1.6	0.6	0	0	0	0	0.5	0.9	2	2.4	0.4	1.5
max	45.8	41.3	75.5	59.4	12.1	4.6	11.7	13.3	22.8	58.6	54.4	42.3	75.5	75.5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	150.6	99.1	81.8	39.2	9.5	2.9	2.8	6.8	33.5	67.9	113.2	128.3	61.3	97.2
max	381.4	232	219.2	88.5	57.2	17.2	22.7	23.4	130.6	255.8	275.1	316.6	381.4	381.4
min	15.3	8.6	21.1	6.2	0.2	0.1	0	0.5	5.6	10.6	15.3	23.1	0	6.2
Cumulative Daily Severity Rating, CDSR														
mean													735.5	684
max													1484.8	1363.7
min													270.7	183.1

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	7.1	7.1	8.5	12.6	25	28.1	30.3	27.8	14.2	11.5	7.5	6.7	186.3	60.9
max	23	23	24	24	31	30	31	31	26	26	21	18	254	106
min	1	1	0	4	8	17	25	18	2	0	0	0	119	27
Moderate														
mean	10.8	11.3	15.7	15.2	5.6	1.9	0.7	3.1	13.8	14.9	12.3	12.5	117.8	92.2
max	19	19	29	25	20	12	5	13	25	23	19	20	162	122
min	4	5	6	6	0	0	0	0	4	5	3	4	88	55
High														
mean	7.3	6.7	4.8	1.6	0.3	0	0	0	1.5	3.1	6.4	6.7	38.6	37.2
max	13	17	13	5	3	1	1	1	7	9	18	14	66	60
min	0	0	1	0	0	0	0	0	0	0	0	0	11	6
Very High														
mean	2.7	1.9	1.3	0.5	0	0	0	0	0.3	0.7	2	2.9	12.4	11.7
max	8	8	8	3	1	0	0	1	5	5	6	10	24	29
min	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Extreme														
mean	1.9	1.3	0.7	0.1	0	0	0	0	0.1	0.7	1.2	1.9	7.9	7.9
max	5	6	5	1	0	0	0	0	2	6	6	7	21	20
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	1.1	0	0	0	0	0	0	0	0	0.1	0.5	0.4	2.3	2.2
max	5	1	1	1	0	0	0	0	0	2	4	2	13	12
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source Otago (Inland Otago)														
Curing%	80	90	80	60	50	50	60	70	60	40	40	70		
Low														
mean	2	2	2.3	5.3	9	12.1	11.9	4.5	3.6	4.3	3.9	2.3	63.1	22.2
max	6	7	5	15	17	24	24	11	10	9	9	8	109	40
min	0	0	0	0	1	1	0	0	0	0	0	0	30	12
Moderate														
mean	13.8	10.8	19.8	23.7	21.6	17.7	18.7	25.1	24.5	23.3	21.2	18	238.3	130.2
max	26	26	28	29	29	29	28	30	29	28	26	25	287	172
min	4	2	9	14	14	6	7	19	17	19	15	8	216	103
High														
mean	11.6	12.7	8	0.9	0.4	0.3	0.3	1.3	1.8	3	4.6	9.7	54.7	50.7
max	20	21	21	5	3	2	2	6	9	10	13	19	85	80
min	1	1	2	0	0	0	0	0	0	0	0	1	21	13
Very High														
mean	2.4	2.1	0.6	0.1	0	0	0.1	0.1	0.1	0.3	0.3	0.8	6.9	6.7
max	7	7	2	2	0	0	1	1	1	1	2	4	15	15
min	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Extreme														
mean	1.1	0.7	0.2	0	0	0	0	0	0	0	0	0.2	2.3	2.4
max	6	4	1	0	0	0	0	1	0	1	1	2	7	9
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	0.1	0.1
max	0	1	1	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
Scrub Fire Danger Class (SFDC) Frequency														
Low														
mean	2.5	2.7	3.1	3.9	7.4	10.3	6.3	4.8	2.9	3.6	3.2	2.7	53.3	21.5
max	6	10	7	12	15	22	13	9	9	9	8	9	89	39
min	0	0	0	0	1	0	0	1	0	0	0	0	27	10
Moderate														
mean	0	0	0	0	0.3	0.2	0.3	0.2	0	0	0	0	1.1	0.2
max	1	0	1	1	1	1	3	2	0	0	0	1	4	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	3.1	3.3	3.7	6	12.1	12.8	16	9.7	4.7	4.9	3	3	82.4	27.2
max	9	7	9	15	20	23	23	17	8	13	7	7	104	41
min	0	0	0	3	4	4	7	2	1	0	0	0	55	12
Very High														
mean	3.3	2.6	4	6.7	6.3	4	5.1	9	5	3.2	2.5	2.8	54.3	24.8
max	8	8	11	17	18	12	15	13	12	13	7	6	74	55
min	1	0	0	3	1	0	0	3	1	0	0	0	32	11
Extreme														
mean	7.7	8.6	12.2	10	3.4	1.7	2.3	5.4	11.5	9.8	7.5	8.3	88.5	63.5
max	16	16	23	19	10	6	8	12	22	22	15	16	100	87
min	4	3	6	0	0	0	0	1	3	3	2	3	70	40

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Very Extreme														
mean	14.4	11.1	8	3.4	1.6	1	0.9	1.9	6	9.6	13.8	14.1	85.6	75
max	24	24	20	9	8	6	3	6	13	20	25	25	131	118
min	2	0	1	1	0	0	0	0	1	2	2	4	32	24