

Supplementary material for

Characterisation of initial fire weather conditions for large spring wildfires in Alberta, Canada

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Table S1 FFMC, ISI and BUI mean and maximum values for each year and wildfire event spread days (red = very high, purple = extreme).

Year	Cause	Event No.–No. of wildfires (n)–No. of spread days	FFMC \bar{x} – max	ISI \bar{x} – max	BUI \bar{x} – max
1991	L	1-1-1	84	3.8	51
1993	L	2-1-4	90.8 – 92	13.9 – 16.4	28 – 31
1995	L	3-5-15	91.6 – 93	12.1 – 18.8	49 – 66
	H	4-1-4	91.5 – 92	13.4 – 17.6	52 – 57
	L	5-1-1	87	11.7	55
	L	6-1-4	92.8 – 94	23.7 – 29.7	78 – 83
1998	L	7-2-5	85.8 – 88	4.3 – 6.7	60 – 65
	L	8-3-6	85.9 – 89	7.9 – 13.5	52 – 73
	L	9-1-3	90	7.9 – 9.2	66 – 69
	L	10-3-4	84 – 90	4.7 – 6.8	32 – 36
	L	11-3-10	90.2 – 93	18.1 – 24.6	27 – 32
	H	12-1-2	86.5 – 90	5.6 – 7.9	76 – 79
	H	13-1-3	92.3 – 93	38 – 68.4	35 – 38
	L	14-1-2	85 – 86	4.1 – 5.9	46 – 47
	H	15-1-3	89 – 92	18.4 – 25.7	29 – 32
1999	L	16-6-17	89.2 – 93	19 – 27.3	36 – 53
	L	17-1-3	90 – 91	19.4 – 30.3	35 – 39
2001	L	18-1-2	89.5 – 90	15.6 – 22.6	26 – 26
	L	19-2-4	84.3 – 87	11.8 – 21.8	40 – 44
	H	20-1-2	89 – 90	32.3 – 45.1	91 – 90
	H	21-1-3	90.3 – 91	14.1 – 16.6	58 – 60
	H	22-1-1	89	13.7	72
2002	H	23-1-3	88.5 – 92.5	24.3 – 34.6	31 – 33
2003	H	24-1-2	92.5	23.9	49

2005	H	25-1-2	91.5 – 92	8.7 – 9.8	54 – 55
	H	26-1-2	89.8 – 91	7.5 – 9.6	40 – 40
2006	H	27-1-1	85.3	12.5	38
2008	H	28-1-3	91.5 – 93	17.8 – 32.8	46 – 51
2011	H	29-1-3	94.2 – 95.5	28 – 44.3	76 – 80
	H	30-2-6	91.4 – 93	28.3 – 52	29 – 46
	H	31-4-16	89 – 92	26.8 – 53.7	14 – 20
	H	32-1-4	94.9 – 96.4	32.1 – 50.1	73 – 79
	H	33-1-3	88 – 90	26.9 – 46	13 – 17
2012	H	34-1-3	93.7 – 95	18.7 – 22	44 – 48
	L	35-1-2	90.5 – 92	15 – 17.7	39 – 40
	H	36-1-4	93.7 – 94	22.4 – 31.5	95 – 102
2013	H	37-1-1	93	30.8	52
2015	L	38-3-7	88.9 – 94	8.8 – 13.8	104 – 132
	L	39-1-4	93 – 94	9.1 – 11.9	97 – 103
	H	40-1-4	93.5 – 95	10 – 11.9	55 – 60
	H	41-1-2	92 – 94	9.1 – 11.1	76 – 79
2016	L	42-1-4	93.5 – 95	15 – 19.4	59 – 65
	H	43-1-4	94 – 94	11.7 – 13.1	49 – 57
2018	L	44-1-1	90	19.6	73
	L	45-1-3	93.7 – 95	11.1 – 12.5	103 – 108
	L	46-1-1	66	2.9	41
	L	47-1-2	92 – 93	12.1 – 15	90 – 91
	L	48-1-2	89 – 90	18.1 – 29	80 – 81
	L	49-2-6	93 – 94	14.4 – 22.6	92 – 99
	L	50-1-2	91.5 – 94	13.3 – 17.6	70 – 71
	H	51-2-8	91.9 – 93	24.3 – 28.2	51 – 57
	L	52-2-3	90.9 – 93	18.1 – 23.2	40 – 50
	L	53-1-3	92.2 – 93	11.4 – 9.8	46 – 52
	L	54-1-2	94.5 – 95	14.1 – 14.6	90 – 92