

Station Name: Hira Raws (HIR)

Period: 1993-12-07 - 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	20.6	20.8	18.9	15.8	13.2	10.5	9.8	11	13	15	16.9	18.9	15.4	18.1
median	20.7	20.9	18.9	15.9	13.3	10.5	9.9	11.1	12.9	15	16.8	18.9	15.1	18
max	32.9	31.2	27.6	22.3	21.3	17.2	17.2	19.4	24.7	24	26.2	29.7	32.9	32.9
min	10.9	11.6	8.4	6.4	5.6	2.1	4.1	4.8	3	4.1	8.4	7.1	2.1	4.1
Relative Humidity, %														
mean	66.4	65.8	67.4	72.4	75.4	77.8	75.1	74.4	71.8	68.8	65.8	67.8	70.8	67.8
median	64	64.6	66	71	74	77	75	74	71	67	65	66	70	66
max	100	100	100	100	100	100	100	100	100	100	100	100	100	100
min	18.3	17.1	24	24	35	37	6	17.8	11	23	15.1	17.3	6	15.1
Wind Speed, km/h														
mean	12.3	11.3	11.2	9.5	8.5	7.7	8.2	8.7	10.7	12.4	13.3	12.4	10.5	11.8
median	10.8	10.4	10.4	8.4	6.8	5.5	6.1	7.2	9.2	11.1	11.5	11.2	9	10.4
max	51.1	48.7	45.2	41	41.7	50	45.4	47.7	43	48	53.6	48	53.6	53.6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24-hr Rainfall, millimeters														
mean	2.9	2.6	2.8	3.2	3.3	3.9	3.1	3	3.2	3.5	2.8	3.1	3.1	3
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	124.4	112.6	117.5	96.5	94.2	77.8	125.2	62.2	100	133	64	80.4	133	133
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	91.6	71	83.9	95.1	101.8	116.1	96.9	93.1	97.2	108.6	84	97.2	94.7	90.2
max	263.5	285.5	175.8	278	169	395.6	341.2	194.5	340.8	361.2	234.6	199	395.6	361.2
min	4.5	3.4	12.8	5.4	19.8	17	8.4	5.4	0	24	8.6	9.6	0	3.4
Seasonal Rainfall, millimetres														
mean													1136.5	636.7
max													1723.9	1039.4
min													468.4	267.1
Fine Fuel Moisture Code, FFMC														
mean	73.3	74.6	72	65.9	60.3	54.7	58.6	56.4	62.1	66	69.9	68.8	65.2	70.1
median	83.6	83.9	82.6	77.2	71.7	63.4	68.9	64.8	74.4	77	80.3	80.5	77.1	81.1
max	93.6	94.2	92.3	90.6	89	87.4	91	88.9	92.7	91.5	95.1	94.2	95.1	95.1
min	0	2.6	0.6	0.9	0.2	0.3	0	0	0.8	0	0	0	0	0
Duff Moisture Code, DMC														
mean	20.1	26.1	20	10.6	5.6	2.7	2.8	3	6.4	10.3	15.7	18.8	11.8	17.4
median	17.8	19.1	14	7.6	3.6	1.5	2.1	1.9	4.4	7.2	11.9	13.2	6.5	12.3
max	71	119.5	87.8	62	38.4	24.4	13.3	23.2	42.3	69.8	67.2	93.1	119.5	119.5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Drought Code, DC														
mean	197.2	248.4	243.3	189.4	124.4	58.6	34.1	24.9	30.5	46.3	94.2	156.5	121.1	168.1
median	195.6	239.7	231.4	147.7	80.8	15.3	10.7	8.7	14.7	29.7	83.9	142.2	73.8	138.7
max	576	582.2	660	667.3	537.8	478.3	307.7	219.7	257.8	243	315.4	502.1	667.3	667.3
min	5.9	5.8	4.5	2.4	1.2	0.1	0.7	0.7	0.2	2.4	4	5.1	0.1	2.4
Initial Spread Index, ISI														
mean	3.7	3.4	3.1	1.9	1.3	1	1.2	1.2	1.7	2.5	3.5	3.2	2.3	3
median	2.9	3	2.5	1.4	1	0.7	0.8	0.7	1.3	1.6	2.2	2.1	1.5	2.1
max	45.8	41.4	27.3	24	14.4	18.4	13.5	17.5	16.8	33.2	57.7	42.4	57.7	57.7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	30.9	39.5	31.7	17.7	9	4.1	3.9	3.9	7.7	12.3	21.3	27.5	17.4	25.8
median	28.1	30.8	23	12.5	5.5	2.2	2.7	2.3	4.9	8.9	17.3	20.2	9.5	19.2
max	108.6	155.8	128.6	100.7	65.1	30.2	20.7	36.7	48.3	73	87.4	126.8	155.8	155.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Weather Index, FWI														
mean	7.7	8	6.7	3.2	1.5	0.7	0.8	0.9	1.7	3.2	5.9	6.2	3.9	5.8
median	6.1	6.3	4.3	0.9	0.4	0.2	0.3	0.3	0.6	0.9	3.5	3.4	0.8	3.4
max	61.6	52.9	42.5	31.8	19.2	13.4	10.5	17	14.8	54.4	66.9	52.7	66.9	66.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	1.7	1.7	1.4	0.4	0.1	0	0.1	0.1	0.2	0.5	1.3	1.4	0.7	1.2
median	0.7	0.7	0.4	0	0	0	0	0	0	0	0.3	0.2	0	0.2
max	40.1	30.6	20.7	12.4	5.1	2.7	1.7	4.1	3.2	32.1	46.3	30.4	46.3	46.3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	54.1	49.5	45.4	13.9	4.8	1.5	1.6	2.2	5.1	15.5	38.1	42.4	22.8	37
max	162.5	199.9	191.4	74.4	24.5	12.5	7.7	16.4	23.8	85.7	216.5	148.8	216.5	216.5
min	1.9	4	3.1	0.4	0	0	0	0	0	1	0.1	1.9	0	0.1
Cumulative Daily Severity Rating, CDSR														
mean													274	256.3
max													576.1	657.3
min													22.6	37.2

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	13.2	11.8	15.9	21.9	28.3	29.3	30.5	29.9	27.3	24.6	17.6	17.6	267.8	123.5
max	30	27	31	30	31	30	31	31	30	31	30	30	350	180
min	2	1	3	4	15	20	24	16	10	12	2	0	197	56
Moderate														
mean	14	12.5	11.2	7.7	2.7	0.7	0.5	1.1	2.7	5.9	9.9	10.3	79	70.4
max	25	21	20	24	16	10	7	15	20	16	21	22	123	108
min	1	2	0	0	0	0	0	0	0	0	0	1	15	32
High														
mean	2.9	3.3	3.1	0.3	0	0	0	0	0	0.4	1.8	2.4	14.3	14.1
max	9	22	20	3	1	0	0	0	0	5	9	14	43	43
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very High														
mean	0.6	0.4	0.7	0	0	0	0	0	0	0.1	0.4	0.6	2.8	2.8
max	6	3	8	1	0	0	0	0	0	2	3	5	15	15
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0.3	0.2	0.1	0	0	0	0	0	0	0	0.3	0.3	1.3	1.3
max	3	3	3	0	0	0	0	0	0	0	5	2	7	10
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	0	0.1	0	0	0	0	0	0	0	0	0	0	0.1	0.1
max	1	2	0	0	0	0	0	0	0	1	0	0	2	2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source Nelson (Nelson/Tasman)														
Curing%	80	90	95	80	60	50	40	40	50	65	70	80		
Low														
mean	5	3.7	5	7.6	13.4	14.2	14	15.2	10.7	8.6	6.3	7	110.7	43.6
max	14	9	12	17	26	26	27	26	27	19	20	21	166	75
min	0	0	1	0	3	5	1	1	0	3	0	0	66	11
Moderate														
mean	14.6	11.3	13.2	18.9	17.3	15.5	16.8	15.5	18.7	20.2	17.1	14.5	193.7	111
max	25	19	22	26	28	24	30	30	30	27	25	19	230	144
min	8	5	2	11	5	4	4	5	3	11	7	8	135	73
High														
mean	9.6	11.7	10.7	3.3	0.2	0.3	0.2	0.3	0.6	1.8	5.5	8.2	52.3	49.3
max	20	22	24	16	1	2	2	5	5	8	14	18	96	105
min	0	2	2	0	0	0	0	0	0	0	0	0	4	1
Very High														
mean	1.3	1.2	1.4	0.2	0	0	0	0	0	0.3	0.9	0.9	6.3	6.1
max	6	4	5	3	0	0	0	0	0	4	7	5	23	27
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0.5	0.3	0.7	0	0	0	0	0	0	0	0.2	0.4	2.1	2.1
max	4	4	7	1	0	0	0	0	0	1	2	3	11	11
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	1	1	1	0	0	0	0	0	0	0	0	1	1	2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scrub Fire Danger Class (SFDC) Frequency														
Low														
mean	5.9	4.9	6.9	8.8	12.4	13.7	12.8	14.2	11.2	9.3	7.2	8.5	115.7	51.7
max	15	11	14	19	23	26	28	23	27	19	24	21	165	79
min	0	0	2	0	3	6	0	0	0	3	0	0	65	16
Moderate														
mean	0	0	0	0.1	0.1	0	0.1	0	0	0	0	0	0.4	0.2
max	0	1	1	2	1	1	2	0	0	0	1	1	6	4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	2.9	2.5	2.8	4.9	5.3	7.1	6.2	6.1	3.7	4.2	3	3.4	52.2	24.3
max	9	7	8	12	15	14	14	10	8	9	7	11	87	43
min	0	0	0	0	0	2	1	1	0	1	0	0	30	7
Very High														
mean	3.1	3.3	3.5	5.3	5.6	4.7	5.7	4.3	4.9	4.7	4.3	3.4	52.8	28.1
max	6	7	9	10	12	10	16	10	12	10	10	7	71	46
min	1	0	0	0	0	0	0	0	0	1	0	0	34	16
Extreme														
mean	9	8.3	9.3	8	6.1	3.7	5.1	5.1	7.4	7.6	6.8	6.6	83.1	55.5
max	20	14	14	17	18	13	14	16	17	14	15	13	120	77
min	4	1	0	0	0	0	0	0	0	3	0	1	44	34

