

Station Name: Herbert Raws (HRB)

Period: 2007-01-01 - 2021-07-01

Length of record: 14 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	14.7	14.6	13.7	11.3	8.9	6.5	6	6.8	8.5	9.9	11.7	13.4	10.5	12.8
median	14	14.3	13.5	11.4	8.7	6.2	5.7	6.9	8.1	9.3	11.4	13.2	10.2	12.4
max	28.2	30.9	26.4	21.1	21	15.5	16.5	16.4	19.9	21.9	25.9	27.2	30.9	30.9
min	5.2	3.5	2.6	0.7	-1.1	-1.1	-1.6	-2.8	-0.5	-0.4	2	3.1	-2.8	-0.4
Relative Humidity, %														
mean	69	70.7	69.1	67.1	67.2	66.6	64.3	67.1	63.6	64.3	66.6	70.8	67.2	68.2
median	72	72	70	66	65	66	64	67	62	63	70	72	68	69
max	99	99	100	99	99	99	99	99	100	99	98	99	100	100
min	16	18	27	24	22	18	22	20	12	21	15	21	12	15
Wind Speed, km/h														
mean	15.7	14.7	15.3	14.7	15.5	16.1	16.1	15.1	16.9	17.5	16.1	15.3	15.8	15.6
median	13.3	13.3	12.6	12.6	13	14	14	13	14.4	15.8	14.5	13.4	13.7	13.7
max	69.5	56.2	64.4	58	56.5	60.8	56.5	58	59	65.2	54	54	69.5	69.5
min	2.5	1.4	0.4	1.8	0	1.4	1.1	1.1	2.5	1.1	2.3	2.5	0	0.4
24-hr Rainfall, millimeters														
mean	3	2.9	2.2	2.8	3	2.1	2.4	2.3	1.9	2.2	2.3	2.4	2.5	2.5
median	0.2	0.2	0.2	0.2	0	0	0	0	0	0.2	0.2	0.2	0.2	0.2
max	172.2	134	104.8	128.8	144.6	153.8	91.4	100.6	39	36.8	51	53.6	172.2	172.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	72.6	86	68.7	86.4	92.1	62.3	74.1	72.3	57	68.6	69.8	73.8	73.6	75.1
max	137.2	292.6	147.6	309.8	464.6	275.8	198.6	304.2	121.4	159.8	222	155.2	464.6	309.8
min	22.4	20.2	19.2	20.2	14.6	7.8	5.8	15.4	28.4	30.4	13.4	19.8	5.8	13.4
Seasonal Rainfall, millimetres														
mean													883.6	548.1
max													1170.6	886.4
min													668.8	285
Fine Fuel Moisture Code, FFMC														
mean	68.1	68.4	69.5	68.3	66	67.9	70.4	66.5	68.2	67.6	66.9	65.3	67.8	67.8
median	76.4	77.8	76.7	77.7	75.9	77	78.9	77.7	77.6	76	75.5	71.5	76.7	76.3
max	94	93.8	91.1	89.9	89.1	88.7	89.7	90.8	93.8	93.2	94.6	93.3	94.6	94.6
min	4.6	2	2.2	2.1	3.3	3.2	4.1	2.7	1	5.3	4.2	6.8	1	2
Duff Moisture Code, DMC														
mean	10.4	10.9	11.5	9.5	5.5	4.4	5	4.6	7.4	6.8	8.9	8.8	7.8	9.6
median	8.4	9.6	9.2	7.6	4.7	3.7	4	4.2	5.8	5.6	8.2	7.3	6.1	7.9
max	33.7	34.2	46	49.7	25	17.5	19.1	18.5	37.6	20.6	31.5	31.2	49.7	49.7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Drought Code, DC														
mean	187.2	210.1	222.8	215	148.9	90.4	66.7	25.3	21.8	28.1	71.4	142.2	120.7	155.4
median	186.8	198	228.5	204.4	93.8	63.1	51.9	19.3	19.6	19.8	64.2	142.2	74.6	133.8
max	461.7	437.4	545.3	556.6	477.5	304.6	227.7	102.5	74.5	108.9	187.6	325.1	556.6	556.6
min	5.4	4.1	2.8	1.7	0	0	0	0	0	1.3	2.9	4.4	0	1.3
Initial Spread Index, ISI														
mean	2.9	2.5	2.9	2.6	2.5	2.6	3	2.5	3.3	3.2	3	2.5	2.8	2.8
median	1.7	1.8	1.8	1.9	1.8	1.8	2.3	1.9	2.1	2	1.7	1.4	1.8	1.8
max	32.2	19.3	35.7	38	28.7	20.1	23.6	17.4	29.4	60.4	22.4	59.3	60.4	60.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	17.7	18.6	19.8	16.4	9.4	6.9	7.1	5.7	8	8.1	12.8	14.5	12.1	15.5
median	14.6	17.1	16.2	13.4	7.8	5.9	6.3	5	6.8	6.3	11.9	12.7	9.2	12.5
max	57	56.3	76	81.2	44.2	26.4	31.1	19.4	37.5	25.9	38	44.2	81.2	81.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Weather Index, FWI														
mean	4.3	4.1	4.7	3.9	2.7	2.2	2.7	2	3.1	3	3.9	3.3	3.3	3.9
median	2	2.5	2.1	2	1	0.9	1.3	0.8	1.1	1.3	1.4	0.9	1.4	1.7
max	38.8	26.7	46.5	42.1	29	19.7	29.7	16.2	25.7	44.8	32.3	49.9	49.9	49.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	0.8	0.7	0.9	0.6	0.4	0.2	0.3	0.2	0.5	0.4	0.7	0.5	0.5	0.7
median	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0.1	0	0	0.1
max	17.6	9.1	24.3	20.4	10.5	5.3	11	3.8	8.5	22.7	12.8	27.5	27.5	27.5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	25.3	18.6	30.2	16.4	10.8	7.6	9.7	6	13.5	13.3	20.4	16.9	15.7	20.1
max	60	70.6	155.9	48.8	44.9	14.7	38.1	15.2	52.8	62.3	53.4	59.1	155.9	155.9
min	2.8	0.9	0.8	1.3	1.2	0.7	0.3	0.9	3.5	0.6	0.6	1.5	0.3	0.6
Cumulative Daily Severity Rating, CDSR														
mean													188.6	142.4
max													435.3	396.9
min													110.6	23.9

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	21.5	19.9	20.8	22.1	27.1	27.1	28.1	29.6	25.9	27.1	22.9	23.9	295.9	157.1
max	31	28	31	30	31	30	31	31	30	31	30	31	330	203
min	10	7	2	9	18	21	17	24	10	16	12	14	263	113
Moderate														
mean	8.1	7.6	8.6	7.3	3.5	2.9	2.8	1.4	3.8	3.9	6.1	6.7	62.6	49.1
max	18	18	19	19	10	9	14	7	17	14	15	17	82	87
min	0	0	0	0	0	0	0	0	0	0	0	0	32	9
High														
mean	0.9	0.8	0.9	0.6	0.4	0	0.1	0	0.3	0.1	1	0.3	5.2	4.4
max	4	5	6	3	3	0	2	0	3	1	4	2	19	22
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very High														
mean	0.4	0.1	0.5	0.1	0	0	0	0	0	0	0.1	0.1	1.2	1.2
max	1	1	3	1	0	0	0	0	0	0	1	1	7	6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0.1	0	0.3	0	0	0	0	0	0	0	0	0	0.4	0.4
max	1	0	3	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 Otago (Coastal Otago)														
Curing%	60	70	60	60	30	30	30	40	50	50	40	60		
Low														
mean	7.2	6.2	7.9	7.5	9.5	7.9	6.9	8.3	7.4	7.9	8.5	9.4	94.4	54.1
max	13	13	14	18	18	15	14	20	11	14	19	19	121	87
min	2	1	0	2	3	2	0	0	2	1	0	3	79	30
Moderate														
mean	21.9	18.9	20.9	21.4	20.8	21.2	23.2	21.6	18.5	20.1	18.7	20.3	247.5	143
max	29	23	27	28	28	27	29	29	26	29	29	28	264	158
min	16	14	15	12	12	15	16	10	10	15	11	12	232	119
High														
mean	1.7	2.8	2	1	0.7	0.9	0.9	1.1	3.8	2.8	2.8	1.1	21.7	13.9
max	5	8	7	3	4	3	3	4	12	8	7	3	39	27
min	0	0	0	0	0	0	0	0	1	0	0	0	11	6
Very High														
mean	0.1	0.4	0.2	0.1	0	0	0	0	0.4	0.1	0	0.1	1.4	1.1
max	1	2	1	1	0	0	0	0	2	1	0	1	6	4
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	0.1	0	0.1	0.2	0.2
max	0	0	0	0	0	0	0	0	0	2	0	1	2	2
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	7.6	8.4	8.3	8.3	9	7.4	6.5	8.8	8.6	9.1	8.9	9.8	100.6	59.5
max	13	16	15	19	19	14	13	20	13	18	19	19	118	91
min	2	4	1	3	1	1	0	3	4	2	1	5	89	38
Moderate														
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
High														
mean	3.9	2.4	3.7	2.9	3.6	3.6	3.2	2.6	2.4	2.5	3.6	4.9	39.5	24.1
max	6	8	8	6	6	7	5	5	6	5	8	9	49	31
min	2	1	0	1	0	0	1	0	0	0	0	1	28	13
Very High														
mean	5.8	5.5	5.6	5.5	4.6	4.6	4.9	5.5	4	4.8	4.4	5.5	60.7	37.2
max	10	10	10	10	12	9	8	10	7	8	7	9	86	44
min	3	2	2	1	1	0	3	1	0	0	2	2	41	26
Extreme														
mean	8.3	6.9	7.3	8.1	8.6	8.9	9.6	9.1	7.5	8.2	6.9	6.1	95.6	52.4
max	15	11	12	15	14	14	17	14	12	15	12	12	109	65
min	3	3	3	0	3	5	5	1	2	3	2	1	83	35

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Very Extreme														
mean	5.4	5.1	6.1	5.2	5.1	5.5	6.7	4.9	7.4	6.4	6.2	4.8	68.9	39.1
max	10	13	15	11	12	10	13	12	18	15	13	9	100	70
min	2	0	1	1	1	1	1	1	4	1	0	1	45	16