

Station Name: Waihi Gold Raws (WGO)

Period: 1998-05-31 - 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 | 22.1 | 22 | 20.6 | 18.4 | 15.8 | 13.5 | 12.5 | 13.3 | 14.8 | 16.4 | 18.1 | 20.2 | 17.3 | 19.7 |
| median | 22.1 | 22.2 | 20.6 | 18.4 | 15.9 | 13.6 | 12.6 | 13.4 | 14.8 | 16.4 | 18.1 | 20.3 | 17.1 | 19.8 |
| max | 29.9 | 28.8 | 27.4 | 26.7 | 22.2 | 20.1 | 17.8 | 20.3 | 20.7 | 26 | 27.7 | 27.5 | 29.9 | 29.9 |
| min | 14.5 | 13.5 | 13.3 | 10.3 | 6.8 | 7 | 6 | 6 | 7 | 5.3 | 9.9 | 10.9 | 5.3 | 5.3 |
| Relative Humidity, % | | | | | | | | | | | | | | |
| mean | 63.1 | 64.5 | 65.4 | 68.8 | 72 | 74.2 | 74 | 70.7 | 67.9 | 66.3 | 64.4 | 65.6 | 68.1 | 65.4 |
| median | 61 | 61.4 | 63 | 67 | 71 | 73.2 | 73 | 70 | 66.7 | 65 | 62 | 63 | 66.4 | 63 |
| max | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| min | 32 | 29 | 33 | 39 | 41 | 46.5 | 45 | 43 | 31 | 33 | 34 | 27 | 27 | 27 |
| Wind Speed, km/h | | | | | | | | | | | | | | |
| mean | 14.8 | 13.4 | 13.2 | 12.4 | 12.6 | 13 | 14.2 | 14.6 | 16.1 | 17.4 | 16.6 | 15.4 | 14.5 | 14.8 |
| median | 13.8 | 12.6 | 12 | 11 | 11.1 | 11.5 | 12.6 | 13.3 | 14.2 | 15.6 | 15.7 | 14.1 | 13.2 | 13.5 |
| max | 48.3 | 40 | 49.4 | 42.9 | 65.9 | 50 | 45.4 | 63.8 | 59.4 | 69.1 | 48.2 | 43.2 | 69.1 | 69.1 |
| min | 1.5 | 0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 0 | 0.8 | 0 | 0 |
| 24-hr Rainfall, millimeters | | | | | | | | | | | | | | |
| mean | 2.7 | 4.5 | 4.8 | 5.8 | 5.6 | 7 | 7.3 | 5.9 | 4.8 | 3.8 | 4 | 4.8 | 5.1 | 4.3 |
| median | 0 | 0 | 0 | 0 | 0.2 | 0.4 | 0.4 | 1 | 0.2 | 0.2 | 0 | 0 | 0.2 | 0 |
| max | 115.2 | 137.4 | 232.4 | 145.2 | 108.8 | 125 | 176 | 107 | 186.6 | 76.2 | 151.4 | 164.4 | 232.4 | 232.4 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Monthly Rainfall, millimetres | | | | | | | | | | | | | | |
| mean | 85.8 | 125.1 | 153.1 | 178.1 | 176.7 | 209.4 | 219 | 176.3 | 149.3 | 118.9 | 114.4 | 148.7 | 154.6 | 132 |
| max | 240.8 | 332 | 515.2 | 417.8 | 401.6 | 422.8 | 502.4 | 319.4 | 455.6 | 254 | 427 | 422.8 | 515.2 | 515.2 |
| min | 0.4 | 17.6 | 13.4 | 29.4 | 36.2 | 36.2 | 17.6 | 69.4 | 52 | 34.4 | 29 | 37.4 | 0.4 | 0.4 |
| Seasonal Rainfall, millimetres | | | | | | | | | | | | | | |
| mean | | | | | | | | | | | | | 1854.8 | 923.2 |
| max | | | | | | | | | | | | | 2453.8 | 1405.2 |
| min | | | | | | | | | | | | | 963.6 | 334.6 |
| Fine Fuel Moisture Code, FFMC | | | | | | | | | | | | | | |
| mean | 77.6 | 74.2 | 73.8 | 69.3 | 63.4 | 59.1 | 58.4 | 60.3 | 66.7 | 69.6 | 72.8 | 72 | 68 | 72.8 |
| median | 85.2 | 84.6 | 83.1 | 79.2 | 71.2 | 65.4 | 63.9 | 63.3 | 73.6 | 77.4 | 81.5 | 81.6 | 77.3 | 82.1 |
| max | 90.6 | 89.9 | 90.9 | 88.4 | 86.7 | 85.4 | 86.5 | 86.8 | 88 | 88.2 | 90.4 | 89.6 | 90.9 | 90.9 |
| min | 0.9 | 3.4 | 4.3 | 2.1 | 2.6 | 0 | 0 | 3.7 | 3.4 | 0 | 2.2 | 0 | 0 | 0 |
| Duff Moisture Code, DMC | | | | | | | | | | | | | | |
| mean | 23.7 | 25.6 | 17.2 | 10.4 | 4.4 | 1.9 | 1.8 | 2.1 | 4.8 | 7 | 11.9 | 14 | 10.3 | 15.6 |
| median | 19.4 | 18.1 | 11.9 | 6.5 | 2.9 | 1.2 | 1.1 | 1.5 | 4.1 | 5.9 | 10.4 | 12.6 | 5.7 | 11.1 |
| max | 95.2 | 107.3 | 80.3 | 49.8 | 22.4 | 11.4 | 11.4 | 13.5 | 19.9 | 26.3 | 33.5 | 56.6 | 107.3 | 107.3 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Drought Code, DC | | | | | | | | | | | | | | |
| mean | 178.2 | 204.8 | 163.3 | 128 | 63.7 | 22.3 | 10.1 | 8.6 | 14.8 | 28.2 | 68.7 | 112 | 82.7 | 125.4 |
| median | 166 | 182.9 | 109.9 | 77.2 | 15.5 | 8.8 | 5.8 | 6.1 | 11.5 | 24.9 | 64 | 103.2 | 31.8 | 85.3 |
| max | 451.2 | 613.4 | 673.6 | 703.8 | 591.3 | 236.2 | 153.3 | 43.5 | 59.4 | 99 | 204.2 | 312.6 | 703.8 | 703.8 |
| min | 6.5 | 6 | 4.1 | 2.9 | 1 | 1 | 0.9 | 0.8 | 1 | 1.9 | 4.2 | 5.5 | 0.8 | 1.9 |
| Initial Spread Index, ISI | | | | | | | | | | | | | | |
| mean | 4.4 | 3.6 | 3.2 | 2.3 | 1.7 | 1.3 | 1.3 | 1.5 | 2.4 | 2.9 | 3.4 | 3.4 | 2.6 | 3.3 |
| median | 4.3 | 3.6 | 2.9 | 2 | 1.2 | 0.9 | 1 | 1 | 1.6 | 2.3 | 3 | 2.9 | 1.9 | 2.9 |
| max | 22.8 | 19.2 | 16.5 | 14.1 | 13.5 | 13.5 | 11.9 | 16.4 | 18.9 | 21.2 | 15.8 | 23.9 | 23.9 | 23.9 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Buildup Index, BUI | | | | | | | | | | | | | | |
| mean | 34.3 | 37.7 | 25.7 | 15.7 | 6.3 | 2.6 | 2.3 | 2.4 | 5.3 | 8.3 | 16.1 | 20.3 | 14.6 | 22.5 |
| median | 29.9 | 28.5 | 17.9 | 9.9 | 3.7 | 1.8 | 1.4 | 1.7 | 4.4 | 7.2 | 14.9 | 18.4 | 7.6 | 15.7 |
| max | 122.1 | 148.4 | 114.1 | 77.2 | 35.7 | 15.9 | 14.5 | 13.5 | 20.3 | 31.6 | 46.9 | 70.3 | 148.4 | 148.4 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fire Weather Index, FWI | | | | | | | | | | | | | | |
| mean | 9.4 | 8.5 | 6.2 | 3.3 | 1.5 | 0.7 | 0.7 | 0.8 | 1.9 | 2.9 | 4.9 | 5.6 | 3.8 | 5.8 |
| median | 8.6 | 7.1 | 4.2 | 1.8 | 0.5 | 0.3 | 0.3 | 0.3 | 0.7 | 1.5 | 3.8 | 4.4 | 1 | 3.9 |
| max | 49.7 | 50.9 | 40.7 | 19.7 | 14.3 | 10.9 | 7.1 | 14 | 19.7 | 19.7 | 24.3 | 40.9 | 50.9 | 50.9 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daily Severity Rating, DSR | | | | | | | | | | | | | | |
| mean | 2.1 | 1.9 | 1.2 | 0.4 | 0.1 | 0 | 0 | 0 | 0.2 | 0.3 | 0.7 | 1 | 0.7 | 1.1 |
| median | 1.2 | 0.9 | 0.3 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.3 | 0.4 | 0 | 0.3 |
| max | 27.3 | 28.6 | 19.2 | 5.3 | 3 | 1.9 | 0.9 | 2.9 | 5.3 | 5.3 | 7.7 | 19.3 | 28.6 | 28.6 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Monthly Severity Rating, MSR | | | | | | | | | | | | | | |
| mean | 66.6 | 54.8 | 38.8 | 13.2 | 3.7 | 1.1 | 1.2 | 1.5 | 4.9 | 10.3 | 21.5 | 29.8 | 20.6 | 33.6 |
| max | 180 | 211.7 | 163.4 | 40.7 | 8.5 | 5.9 | 4.5 | 10.6 | 14.2 | 31.8 | 56.6 | 65.6 | 211.7 | 211.7 |
| min | 4.4 | 3.7 | 0.5 | 2.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.1 | 1 | 1 | 0.2 | 0.1 | 0.2 |
| Cumulative Daily Severity Rating, CDSR | | | | | | | | | | | | | | |
| mean | | | | | | | | | | | | | 247.5 | 231.2 |
| max | | | | | | | | | | | | | 581.6 | 581.9 |
| min | | | | | | | | | | | | | 61.1 | 39 |

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | FIRE SEASON |
|---|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------------|
| Forest Fire Danger Class (FFDC) Frequency | | | | | | | | | | | | | | |
| Low | | | | | | | | | | | | | | |
| mean | 10.7 | 11.9 | 17.1 | 22.4 | 29.2 | 29.9 | 31 | 30.9 | 28.7 | 26.5 | 18.1 | 16.9 | 273.3 | 124.1 |
| max | 28 | 29 | 31 | 30 | 31 | 30 | 31 | 31 | 30 | 31 | 30 | 31 | 326 | 180 |
| min | 0 | 2 | 1 | 6 | 22 | 29 | 31 | 28 | 22 | 14 | 7 | 7 | 219 | 61 |
| Moderate | | | | | | | | | | | | | | |
| mean | 13.6 | 11 | 10.7 | 7.3 | 1.8 | 0.1 | 0 | 0.1 | 1.3 | 4.5 | 11.5 | 12.8 | 74.8 | 71.6 |
| max | 23 | 22 | 22 | 24 | 9 | 1 | 0 | 3 | 8 | 17 | 21 | 22 | 100 | 107 |
| min | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 32 |
| High | | | | | | | | | | | | | | |
| mean | 5.5 | 4.5 | 2.5 | 0.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 1.2 | 14.5 | 14 |
| max | 18 | 15 | 16 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 41 | 46 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Very High | | | | | | | | | | | | | | |
| mean | 0.9 | 0.5 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 | 1.8 |
| max | 6 | 4 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 13 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Extreme | | | | | | | | | | | | | | |
| mean | 0.2 | 0.3 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.7 | 0.7 |
| max | 3 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 4 |
| 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 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 North Island (Bay of Plenty coastal) | | | | | | | | | | | | | | |
| Curing% | 70 | 75 | 80 | 75 | 70 | 60 | 50 | 65 | 70 | 75 | 85 | 85 | | |
| Low | | | | | | | | | | | | | | |
| mean | 3.3 | 4 | 4.5 | 6 | 9.5 | 12.5 | 11.9 | 11 | 7.3 | 5.3 | 3.3 | 4.7 | 83.3 | 31.3 |
| max | 11 | 14 | 12 | 11 | 17 | 20 | 21 | 16 | 19 | 11 | 16 | 19 | 119 | 73 |
| min | 0 | 0 | 0 | 1 | 3 | 7 | 3 | 5 | 2 | 0 | 0 | 1 | 48 | 13 |
| Moderate | | | | | | | | | | | | | | |
| mean | 16.6 | 14.2 | 15.5 | 20.3 | 20.4 | 17.4 | 18.9 | 19.5 | 20.1 | 19.5 | 15.2 | 13.8 | 211.3 | 115.5 |
| max | 27 | 22 | 26 | 24 | 26 | 23 | 28 | 24 | 26 | 26 | 27 | 23 | 239 | 148 |
| min | 4 | 7 | 3 | 14 | 14 | 10 | 10 | 15 | 11 | 12 | 10 | 8 | 167 | 82 |
| High | | | | | | | | | | | | | | |
| mean | 10.5 | 9.8 | 10.5 | 3.6 | 1 | 0.1 | 0.2 | 0.5 | 2.5 | 5.7 | 10.1 | 11.2 | 65.8 | 61 |
| max | 25 | 20 | 24 | 11 | 5 | 2 | 1 | 4 | 8 | 16 | 18 | 20 | 130 | 108 |
| min | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 23 | 21 |
| Very High | | | | | | | | | | | | | | |
| mean | 0.6 | 0.3 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.5 | 1.3 | 1 | 4.4 | 4.1 |
| max | 3 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 6 | 4 | 11 | 12 |
| 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 | 0.1 | 0.3 | 0.5 | 0.4 |
| max | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 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 | 4.1 | 5.2 | 6 | 7.9 | 11.8 | 12.5 | 14 | 13.3 | 9.7 | 8.2 | 6.2 | 6.6 | 105.5 | 44.2 |
| max | 11 | 16 | 16 | 14 | 23 | 17 | 23 | 18 | 20 | 17 | 18 | 20 | 146 | 88 |
| min | 0 | 0 | 0 | 2 | 4 | 7 | 3 | 5 | 3 | 2 | 2 | 3 | 80 | 19 |
| Moderate | | | | | | | | | | | | | | |
| mean | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 |
| max | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| High | | | | | | | | | | | | | | |
| mean | 2.3 | 2.1 | 2.6 | 2.9 | 4.5 | 4.8 | 4.2 | 4.4 | 3.7 | 2.7 | 2 | 2.4 | 38.5 | 17 |
| max | 8 | 8 | 13 | 7 | 8 | 10 | 10 | 9 | 8 | 7 | 5 | 7 | 71 | 46 |
| min | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 19 | 8 |
| Very High | | | | | | | | | | | | | | |
| mean | 2.7 | 2.4 | 4 | 4.5 | 4.3 | 6 | 5 | 5.2 | 4 | 3.9 | 3.8 | 4 | 49.7 | 25.2 |
| max | 5 | 5 | 11 | 8 | 10 | 14 | 12 | 9 | 9 | 8 | 7 | 8 | 62 | 34 |
| min | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 36 | 15 |
| Extreme | | | | | | | | | | | | | | |
| mean | 6.4 | 7.2 | 8.1 | 10.3 | 8.6 | 5.6 | 6.3 | 6.2 | 7.8 | 9 | 8.6 | 7.6 | 91.7 | 57.6 |
| max | 13 | 12 | 15 | 16 | 16 | 11 | 15 | 13 | 18 | 15 | 15 | 12 | 110 | 75 |
| min | 1 | 3 | 2 | 6 | 3 | 0 | 0 | 0 | 1 | 5 | 2 | 2 | 70 | 33 |

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | FIRE SEASON |
|---------------------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-------------|
| Very Extreme | | | | | | | | | | | | | | |
| mean | 15.6 | 11.4 | 10.3 | 4.3 | 1.8 | 1.1 | 1.5 | 2 | 4.8 | 7.2 | 9.5 | 10.4 | 79.8 | 68.3 |
| max | 30 | 21 | 28 | 12 | 7 | 6 | 6 | 11 | 11 | 19 | 19 | 19 | 152 | 118 |
| min | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 24 | 24 |