

# NAPIER, New Zealand

## Annual Climatic Design Data (1994–2019)

| Latitude | Longitude | Elevation ft | Standard Station<br>Pressure psi | Winter<br>Temperature °F | Summer<br>Temperature °F | Extreme Wind<br>Speed mph | Extreme Wind<br>Direction |
|----------|-----------|--------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 39.4703S | 176.8644E | 10           | 14.69                            | 34.2                     | 82.9                     | 24.9                      | W                         |

## Monthly Winds (1994–2019)

|       | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| %CALM | 2   | 1   | 2   | 3   | 2   | 2   | 2   | 2   | 1   | 1   | 2   | 1   |

### Prevailing Wind #1

|         |      |      |     |     |     |     |     |     |     |      |      |      |
|---------|------|------|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| DIR     | ENE  | ENE  | SW  | SW  | SW  | SW  | SW  | SW  | SW  | W    | ENE  | ENE  |
| %OCC    | 14   | 14   | 15  | 15  | 17  | 19  | 17  | 15  | 12  | 12   | 11   | 14   |
| AVG mph | 10.9 | 10.7 | 7.9 | 7.8 | 8.7 | 9.2 | 9.2 | 9.2 | 8.6 | 12.3 | 10.3 | 11.0 |
| MED mph | 10.7 | 10.7 | 6.8 | 6.7 | 7.6 | 8.4 | 8.3 | 8.1 | 7.5 | 12.3 | 10.2 | 10.9 |

### Prevailing Wind #2

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | WSW | SW  | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW |
| %OCC    | 11  | 12  | 13  | 15  | 15  | 16  | 16  | 14  | 11  | 12  | 11  | 10  |
| AVG mph | 7.6 | 7.2 | 6.8 | 6.7 | 7.4 | 7.4 | 7.6 | 7.6 | 8.0 | 9.4 | 9.3 | 8.1 |
| MED mph | 5.5 | 6.2 | 5.5 | 5.8 | 6.3 | 6.6 | 6.7 | 6.5 | 6.6 | 7.8 | 7.1 | 6.1 |

### Prevailing Wind #3

|         |     |     |      |     |      |     |      |      |      |     |     |     |
|---------|-----|-----|------|-----|------|-----|------|------|------|-----|-----|-----|
| DIR     | SW  | WSW | ENE  | W   | W    | W   | W    | W    | W    | SW  | SW  | SW  |
| %OCC    | 10  | 11  | 11   | 10  | 12   | 13  | 11   | 11   | 11   | 10  | 10  | 9   |
| AVG mph | 7.9 | 6.5 | 10.2 | 8.6 | 10.6 | 9.9 | 10.0 | 10.0 | 11.1 | 9.4 | 8.4 | 7.7 |
| MED mph | 6.8 | 5.2 | 10.0 | 6.8 | 9.2  | 8.0 | 8.8  | 8.9  | 10.3 | 8.2 | 7.2 | 6.2 |

### Prevailing Wind #4

|         |      |      |     |     |     |      |      |      |      |     |      |      |
|---------|------|------|-----|-----|-----|------|------|------|------|-----|------|------|
| DIR     | E    | E    | W   | ENE | WNW | WNW  | WNW  | NW   | NW   | ENE | W    | E    |
| %OCC    | 10   | 9    | 9   | 8   | 8   | 8    | 7    | 7    | 8    | 9   | 10   | 8    |
| AVG mph | 10.1 | 10.0 | 9.2 | 9.1 | 9.8 | 10.6 | 10.0 | 10.0 | 11.6 | 9.7 | 12.1 | 10.4 |
| MED mph | 10.4 | 10.0 | 6.8 | 8.5 | 9.5 | 10.4 | 9.4  | 9.5  | 10.9 | 9.6 | 11.6 | 10.6 |