

**EAST SCOTIA SLOPE BUOY 44137, Canada****Annual Climatic Design Data (1994–2018)**

| 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 |
|----------|-----------|--------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 42.260N  | 62.000W   | 10           | 14.69                            | 26.3                     | 77.6                     | 40.1                      | W                         |

**Monthly Winds (1994–2018)**

|       | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| %CALM | 0   | 0   | 0   | 1   | 0   | 1   | 1   | 1   | 1   | 0   | 0   | 0   |

**Prevailing Wind #1**

|         |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| DIR     | WNW  | WNW  | WNW  | W    | SSW  | SW   | SSW  | SW   | WNW  | WNW  | WNW  | WNW  |
| %OCC    | 16   | 16   | 13   | 11   | 8    | 11   | 16   | 12   | 10   | 13   | 14   | 14   |
| AVG mph | 21.5 | 21.2 | 19.9 | 17.1 | 13.4 | 12.4 | 12.6 | 11.4 | 13.4 | 18.3 | 20.2 | 22.2 |
| MED mph | 21.7 | 21.2 | 19.4 | 16.8 | 12.8 | 11.8 | 12.5 | 10.6 | 12.8 | 17.5 | 20.0 | 21.1 |

**Prevailing Wind #2**

|         |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| DIR     | NW   | NW   | NW   | WNW  | W    | SSW  | SW   | SSW  | W    | NW   | W    | NW   |
| %OCC    | 13   | 14   | 12   | 10   | 8    | 11   | 15   | 11   | 8    | 10   | 10   | 13   |
| AVG mph | 19.5 | 18.7 | 18.5 | 15.3 | 15.3 | 12.1 | 12.0 | 10.9 | 12.7 | 17.0 | 21.3 | 20.9 |
| MED mph | 18.7 | 17.5 | 17.9 | 14.2 | 14.6 | 11.5 | 11.6 | 10.0 | 12.5 | 16.1 | 21.0 | 20.8 |

**Prevailing Wind #3**

|         |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| DIR     | W    | W    | W    | WSW  | SW   | WSW  | WSW  | W    | WSW  | W    | NW   | W    |
| %OCC    | 13   | 11   | 10   | 8    | 8    | 9    | 13   | 10   | 8    | 10   | 9    | 11   |
| AVG mph | 22.5 | 22.5 | 20.3 | 15.7 | 12.6 | 12.9 | 11.2 | 12.1 | 13.7 | 16.8 | 18.6 | 23.2 |
| MED mph | 21.5 | 22.7 | 19.9 | 14.7 | 12.2 | 12.2 | 10.9 | 11.5 | 13.4 | 15.9 | 18.1 | 22.5 |

**Prevailing Wind #4**

|         |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| DIR     | NNW  | NNW  | NNW  | SSW  | S    | S    | S    | WSW  | S    | NNW  | NNW  | NNW  |
| %OCC    | 9    | 9    | 8    | 7    | 8    | 9    | 10   | 10   | 8    | 8    | 8    | 8    |
| AVG mph | 17.1 | 18.1 | 17.4 | 14.1 | 13.1 | 12.0 | 11.4 | 11.3 | 12.7 | 15.2 | 17.8 | 17.4 |
| MED mph | 16.4 | 16.3 | 16.2 | 13.3 | 11.9 | 11.7 | 11.0 | 10.5 | 11.9 | 13.8 | 17.0 | 16.5 |