

# LAKE MURRAY, SC, United States of America

## Annual Climatic Design Data (2008–2019)

| 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 |
|----------|-----------|--------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 34.1074N | 81.2707W  | 358          | 14.51                            | 25.8                     | 94.5                     | 19.5                      | W                         |

## Monthly Winds (2008–2019)

|       | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| %CALM | 17  | 16  | 13  | 12  | 11  | 10  | 8   | 15  | 16  | 19  | 20  | 18  |

### Prevailing Wind #1

|         |      |      |      |     |     |     |     |     |     |     |     |      |
|---------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|
| DIR     | W    | W    | W    | SSW | S   | WSW | SW  | NNE | NNE | NNE | NNE | W    |
| %OCC    | 12   | 11   | 9    | 10  | 10  | 12  | 12  | 8   | 14  | 11  | 12  | 10   |
| AVG mph | 10.9 | 11.3 | 10.9 | 7.6 | 7.2 | 8.3 | 8.6 | 2.8 | 3.1 | 3.7 | 3.4 | 11.4 |
| MED mph | 10.4 | 10.8 | 10.5 | 7.0 | 6.5 | 7.9 | 9.0 | 2.5 | 2.9 | 3.6 | 3.3 | 10.7 |

### Prevailing Wind #2

|         |      |      |     |     |     |     |     |     |     |     |     |     |
|---------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | WSW  | WSW  | SW  | SW  | SSW | SSW | SSW | SSW | NE  | W   | N   | NNE |
| %OCC    | 10   | 8    | 8   | 9   | 10  | 11  | 12  | 8   | 8   | 8   | 8   | 9   |
| AVG mph | 10.8 | 10.9 | 9.1 | 8.5 | 7.7 | 8.1 | 8.2 | 7.4 | 3.3 | 8.8 | 3.3 | 3.1 |
| MED mph | 10.7 | 10.6 | 9.1 | 8.1 | 7.0 | 7.9 | 8.0 | 6.5 | 3.0 | 8.4 | 3.1 | 2.9 |

### Prevailing Wind #3

|         |     |     |      |     |     |     |     |     |     |     |     |      |
|---------|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|------|
| DIR     | WNW | SW  | WSW  | S   | WSW | SW  | WSW | S   | S   | WSW | W   | WSW  |
| %OCC    | 7   | 8   | 8    | 8   | 9   | 11  | 11  | 8   | 7   | 7   | 7   | 7    |
| AVG mph | 6.2 | 8.5 | 10.3 | 7.4 | 9.0 | 8.4 | 8.1 | 6.3 | 6.1 | 9.1 | 8.8 | 11.1 |
| MED mph | 5.1 | 8.8 | 10.2 | 6.4 | 9.2 | 8.7 | 7.8 | 5.6 | 5.6 | 8.9 | 7.9 | 10.5 |

### Prevailing Wind #4

|         |     |     |     |      |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | SW  | SSW | NNE | W    | SW  | S   | S   | WSW | SSW | NE  | NE  | NE  |
| %OCC    | 7   | 7   | 8   | 8    | 8   | 9   | 9   | 7   | 6   | 7   | 7   | 6   |
| AVG mph | 9.5 | 8.0 | 3.6 | 10.3 | 7.8 | 7.0 | 7.1 | 6.9 | 6.8 | 4.1 | 3.5 | 3.6 |
| MED mph | 9.6 | 6.8 | 3.4 | 9.9  | 7.4 | 6.2 | 6.4 | 6.5 | 5.9 | 3.8 | 3.3 | 3.3 |