

**ALVA BEACH, Australia****Annual Climatic Design Data (1998–2019)**

| 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 |
|----------|-----------|--------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 19.4569S | 147.4833E | 26           | 14.68                            | 51.4                     | 89.5                     | 25.6                      | E                         |

**Monthly Winds (1998–2019)**

|       | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| %CALM | 2   | 1   | 0   | 0   | 0   | 1   | 1   | 0   | 0   | 0   | 0   | 1   |

**Prevailing Wind #1**

|         |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| DIR     | E    | E    | ESE  | ESE  | ESE  | ESE  | ESE  | E    | E    | E    | E    | E    |
| %OCC    | 22   | 20   | 23   | 26   | 21   | 20   | 21   | 19   | 24   | 23   | 27   | 22   |
| AVG mph | 16.0 | 15.3 | 15.8 | 15.3 | 13.6 | 12.9 | 12.4 | 13.3 | 14.8 | 15.9 | 16.4 | 16.0 |
| MED mph | 15.7 | 15.2 | 15.1 | 14.8 | 13.4 | 12.9 | 11.9 | 12.9 | 14.5 | 15.6 | 16.0 | 15.6 |

**Prevailing Wind #2**

|         |      |      |      |      |     |     |     |      |      |      |      |      |
|---------|------|------|------|------|-----|-----|-----|------|------|------|------|------|
| DIR     | ENE  | ESE  | E    | E    | SSW | SSW | SSW | ESE  | ESE  | ENE  | ENE  | ENE  |
| %OCC    | 16   | 15   | 20   | 17   | 16  | 20  | 17  | 19   | 18   | 18   | 22   | 19   |
| AVG mph | 14.3 | 15.0 | 16.0 | 15.0 | 7.2 | 7.5 | 7.4 | 13.3 | 14.4 | 14.2 | 14.8 | 14.3 |
| MED mph | 14.1 | 14.3 | 15.3 | 14.5 | 6.9 | 7.1 | 7.1 | 13.1 | 14.0 | 14.0 | 14.7 | 14.2 |

**Prevailing Wind #3**

|         |      |      |      |      |      |      |      |     |      |      |      |      |
|---------|------|------|------|------|------|------|------|-----|------|------|------|------|
| DIR     | ESE  | ENE  | ENE  | SE   | E    | E    | E    | SSW | ENE  | ESE  | ESE  | ESE  |
| %OCC    | 13   | 14   | 11   | 14   | 14   | 13   | 17   | 12  | 16   | 13   | 12   | 13   |
| AVG mph | 15.1 | 13.8 | 13.1 | 13.5 | 13.1 | 12.1 | 12.5 | 7.0 | 12.9 | 15.3 | 16.2 | 16.4 |
| MED mph | 14.7 | 13.7 | 12.7 | 13.0 | 12.9 | 11.7 | 12.3 | 6.9 | 12.9 | 15.1 | 15.9 | 16.0 |

**Prevailing Wind #4**

|         |      |      |      |     |      |     |      |      |      |      |      |      |
|---------|------|------|------|-----|------|-----|------|------|------|------|------|------|
| DIR     | NE   | NE   | SE   | SSW | SE   | S   | SE   | ENE  | NE   | NE   | NE   | NE   |
| %OCC    | 10   | 8    | 10   | 10  | 13   | 12  | 9    | 11   | 8    | 11   | 12   | 12   |
| AVG mph | 12.6 | 12.3 | 13.1 | 6.8 | 12.4 | 7.2 | 12.1 | 12.2 | 10.9 | 12.6 | 13.0 | 12.9 |
| MED mph | 12.5 | 11.9 | 12.7 | 6.7 | 12.4 | 7.0 | 11.9 | 12.1 | 10.9 | 12.6 | 13.0 | 13.0 |