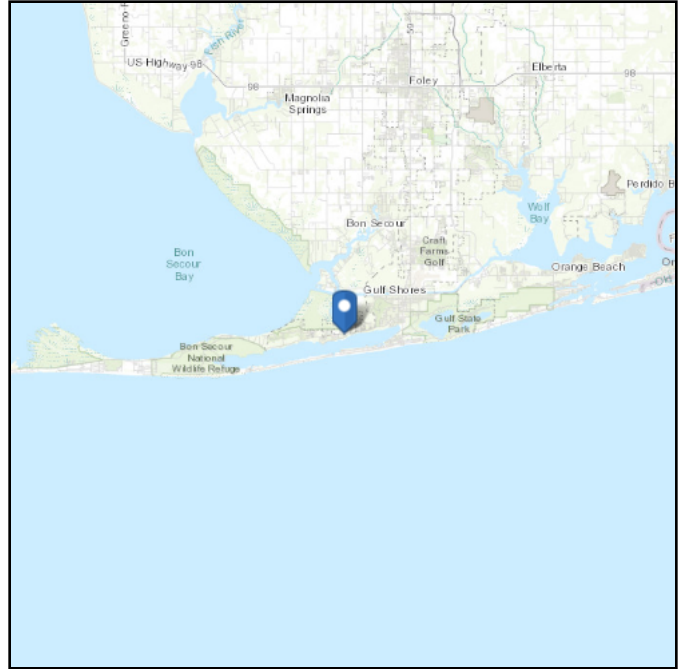
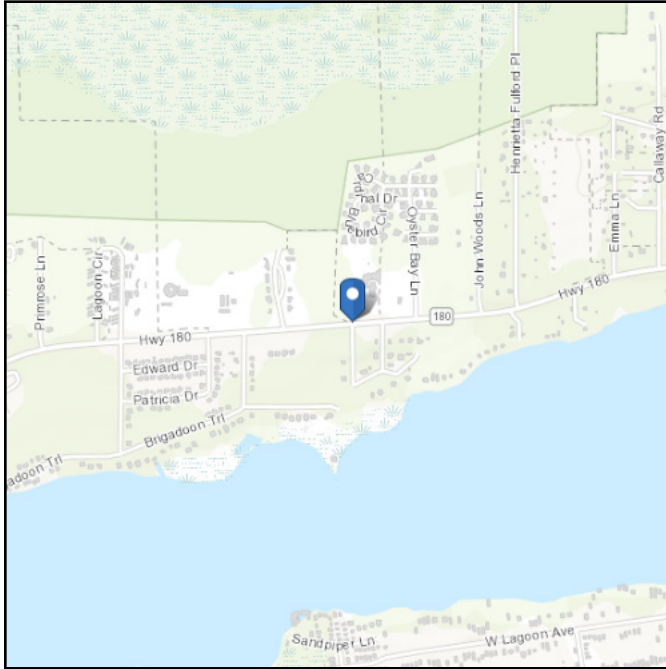


ASCE Hazards Report

Address:
17263 Fort Morgan Rd
Gulf Shores, Alabama
36542

Standard: ASCE/SEI 7-22
Risk Category: III
Soil Class: Default

Latitude: 30.254424
Longitude: -87.730613
Elevation: 12.14974077921164 ft
(NAVD 88)



Wind

Results:

Wind Speed	174 Vmph
10-year MRI	80 Vmph
25-year MRI	99 Vmph
50-year MRI	110 Vmph
100-year MRI	129 Vmph
300-year MRI	145 Vmph
700-year MRI	158 Vmph
1,700-year MRI	174 Vmph
3,000-year MRI	180 Vmph
10,000-year MRI	194 Vmph
100,000-year MRI	226 Vmph
1,000,000-year MRI	254 Vmph

Data Source: ASCE/SEI 7-22, Fig. 26.5-1C and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Sat Nov 15 2025



Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-22 Standard. Wind speeds correspond to approximately a 3% probability of exceedance in 50 years (annual exceedance probability = 0.000588, MRI = 1,700 years). Values for 10-year MRI, 25-year MRI, 50-year MRI and 100-year MRI are Service Level wind speeds, all other wind speeds are Ultimate wind speeds.

Site is in a hurricane-prone region as defined in ASCE/SEI 7-22 Section 26.2. Glazed openings shall be protected against wind-borne debris as specified in Section 26.12.3.

Tornado

Results:

RC = III
(MRI = 1,700 years)
MRI = 10,000 years
MRI = 100,000 years
MRI = 1,000,000 years
MRI = 10,000,000 years

Effective Plan Area (ft ²)	Tornado Speed (mph)	Tornado Speed (mph)	Tornado Speed (mph)	Tornado Speed (mph)	Tornado Speed (mph)
A _e = 1	V _T = 50	V _T = 97	V _T = 142	V _T = 181	V _T = 219
A _e = 2,000	V _T = 50	V _T = 100	V _T = 145	V _T = 184	V _T = 222
A _e = 10,000	V _T = 50	V _T = 104	V _T = 148	V _T = 187	V _T = 224
A _e = 40,000	V _T = 50	V _T = 108	V _T = 154	V _T = 191	V _T = 227
A _e = 100,000	V _T = 50	V _T = 114	V _T = 158	V _T = 194	V _T = 233
A _e = 250,000	V _T = 75	V _T = 121	V _T = 164	V _T = 200	V _T = 236
A _e = 1,000,000	V _T = 93	V _T = 131	V _T = 172	V _T = 208	V _T = 245
A _e = 4,000,000	V _T = 105	V _T = 142	V _T = 181	V _T = 217	V _T = 253

To select the appropriate tornado hazard map, the effective plan area, A_e, of the building, other structure, or facility, shall be determined in accordance with Section 32.5.4 and shall be rounded up to the next available mapped A_e. Alternatively, linear interpolation of tornado speed between maps using the logarithm of the effective plan area size is permitted, per Section 32.5.1.

Data Source: ASCE/SEI Standard 7-22, Figs. 32.5-1, 32.5-2, and G.2-1 through -4
Date Accessed: Sat Nov 15 2025

The ASCE Hazard Tool is provided for your convenience, for informational purposes only, and is provided “as is” and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

ASCE does not intend, nor should anyone interpret, the results provided by this Tool to replace the sound judgment of a competent professional, having knowledge and experience in the appropriate field(s) of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the contents of this Tool or the ASCE standard.

In using this Tool, you expressly assume all risks associated with your use. Under no circumstances shall ASCE or its officers, directors, employees, members, affiliates, or agents be liable to you or any other person for any direct, indirect, special, incidental, or consequential damages arising from or related to your use of, or reliance on, the Tool or any information obtained therein. To the fullest extent permitted by law, you agree to release and hold harmless ASCE from any and all liability of any nature arising out of or resulting from any use of data provided by the ASCE Hazard Tool.