

ASCE Hazards Report

Address:

542B Beach Rd
Sarasota, Florida
34242

Standard:

ASCE/SEI 7-22

Risk Category: II

Soil Class:

Default

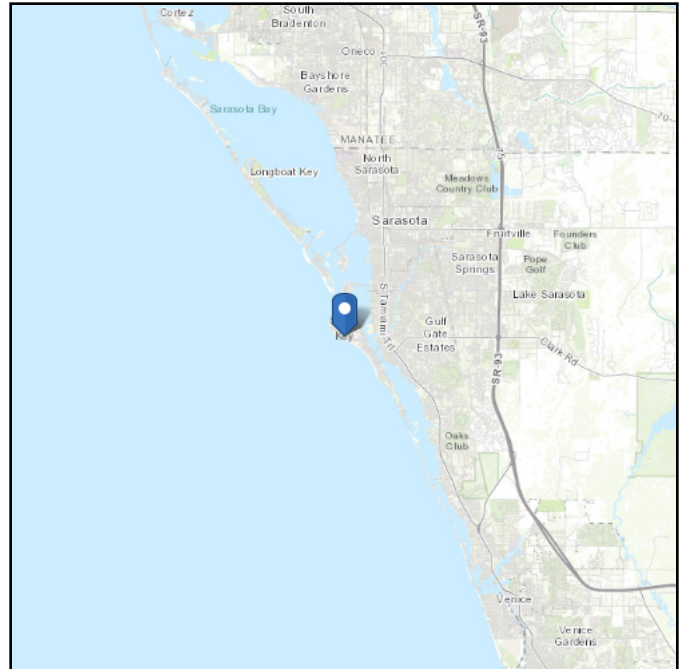
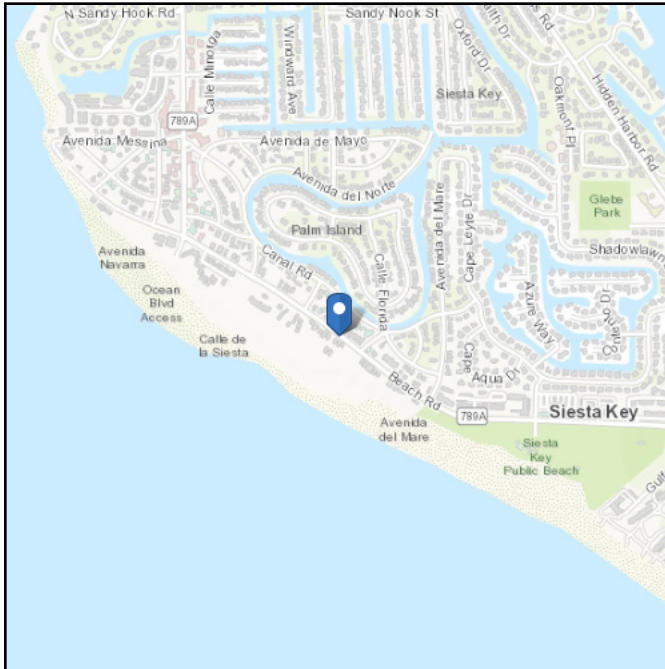
Latitude:

27.269907

Longitude: -82.558753

Elevation:

2.95313646917228 ft (NAVD
88)



Wind

Results:

Wind Speed	150 Vmph
10-year MRI	79 Vmph
25-year MRI	99 Vmph
50-year MRI	112 Vmph
100-year MRI	125 Vmph
300-year MRI	140 Vmph
700-year MRI	150 Vmph
1,700-year MRI	160 Vmph
3,000-year MRI	167 Vmph
10,000-year MRI	177 Vmph
100,000-year MRI	206 Vmph
1,000,000-year MRI	226 Vmph

Data Source:

ASCE/SEI 7-22, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2

Date Accessed:

Wed May 28 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 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 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.

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