

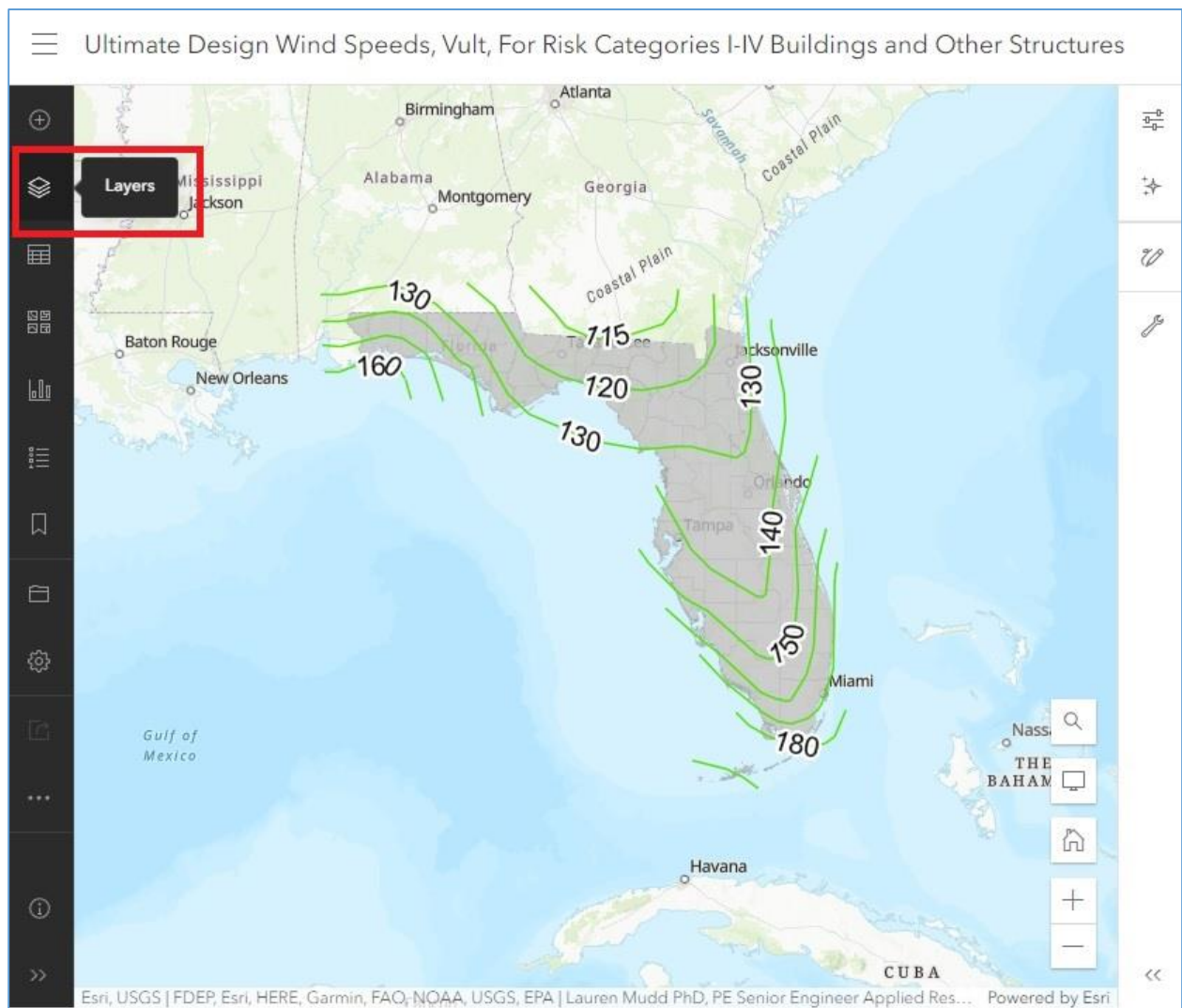
Ultimate Design Wind Speeds, Vult, For Risk Categories I-IV Buildings and Other Structures Map Viewer (2023) Manual

This document contains instructions on how to access and use the Ultimate Design Wind Speeds Map Viewer to compare 2020 and 2023 wind speed lines (pages 1-3), how to use the ASCE 7 Hazard Tool to look up design parameters (page 4), and how to download wind speed data (page 5).

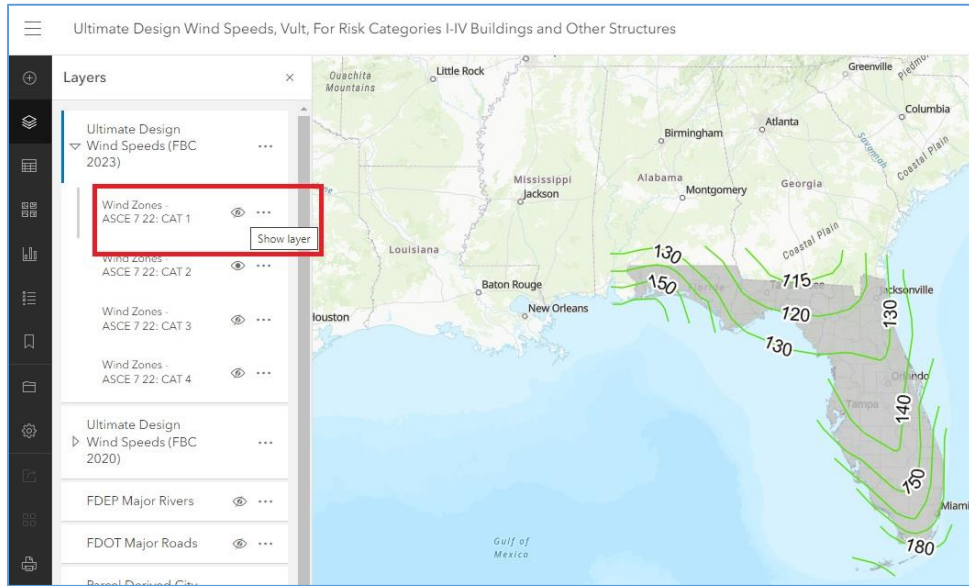
Map Viewer Link:

<https://ufl.maps.arcgis.com/apps/mapviewer/index.html?webmap=3a5d5dd7d44744eeb9537b76534a72a9>

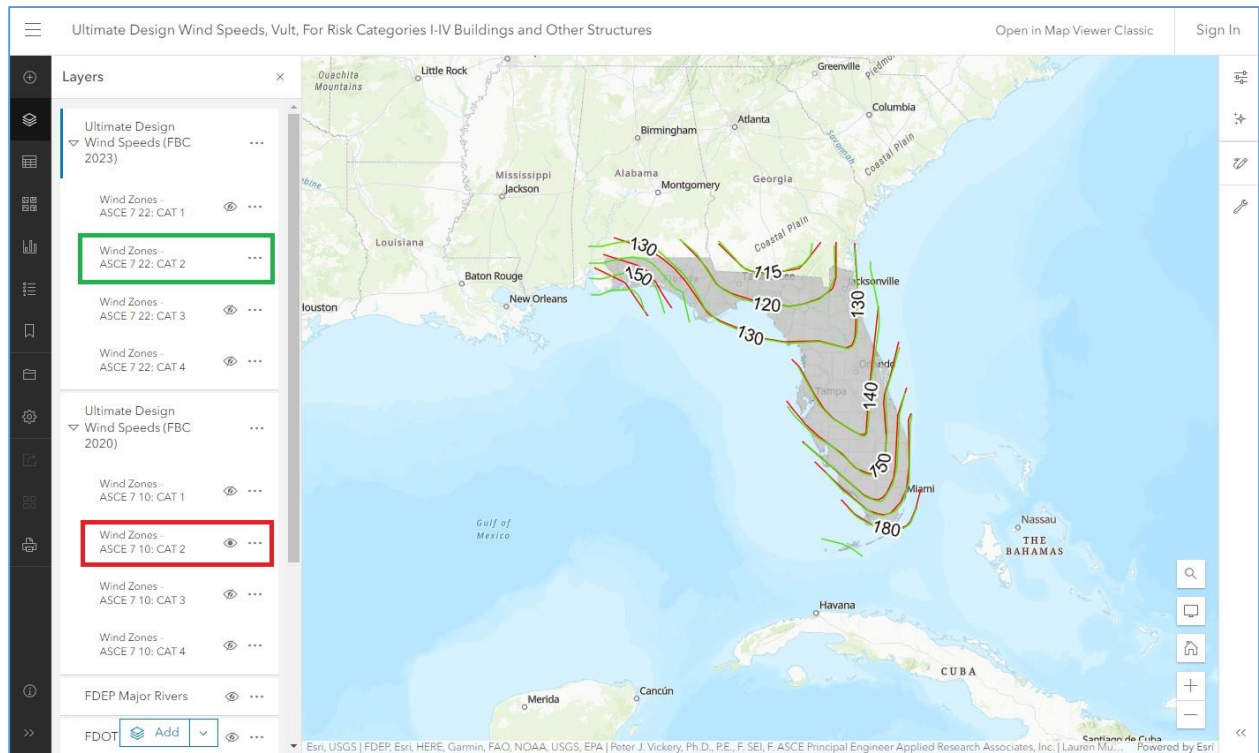
By default, the Map Viewer displays the statewide map, with the ASCE/SEI 7-22 Risk Category II Basic Wind Speed Map lines shown in green. To access the other map layers, click the Layers button on the left side of the screen.



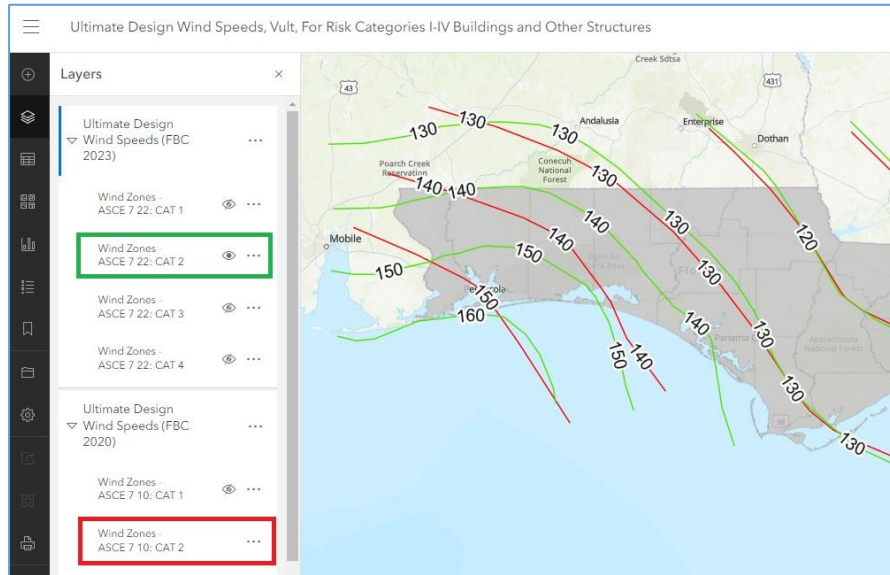
Click on “Ultimate Design Wind Speeds (FBC 2023)” to reveal all four wind speed line categories (CAT I-IV) shown in green. Turn each layer on and off using the Show Layer “eye” button.



The user can compare the changes in wind speed lines from 2020 to 2023. The 2020 wind speed line layers are available under “Ultimate Design Wind Speeds (FBC 2020)”. The image below shows the statewide comparison of the CAT II lines 2020 (red) to 2023 (green).



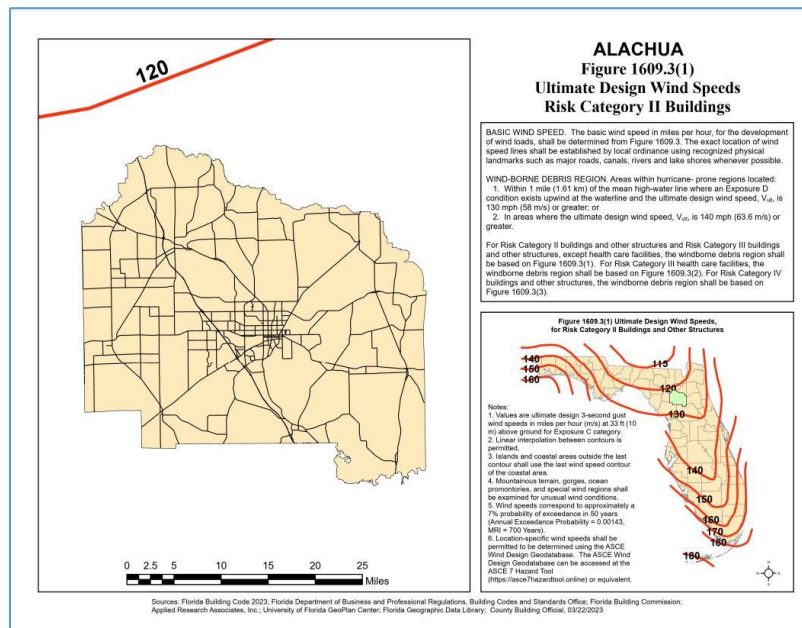
Map navigation tools are located in the lower right corner of the viewer. Zoom into an area of interest, and compare any changes in more detail.



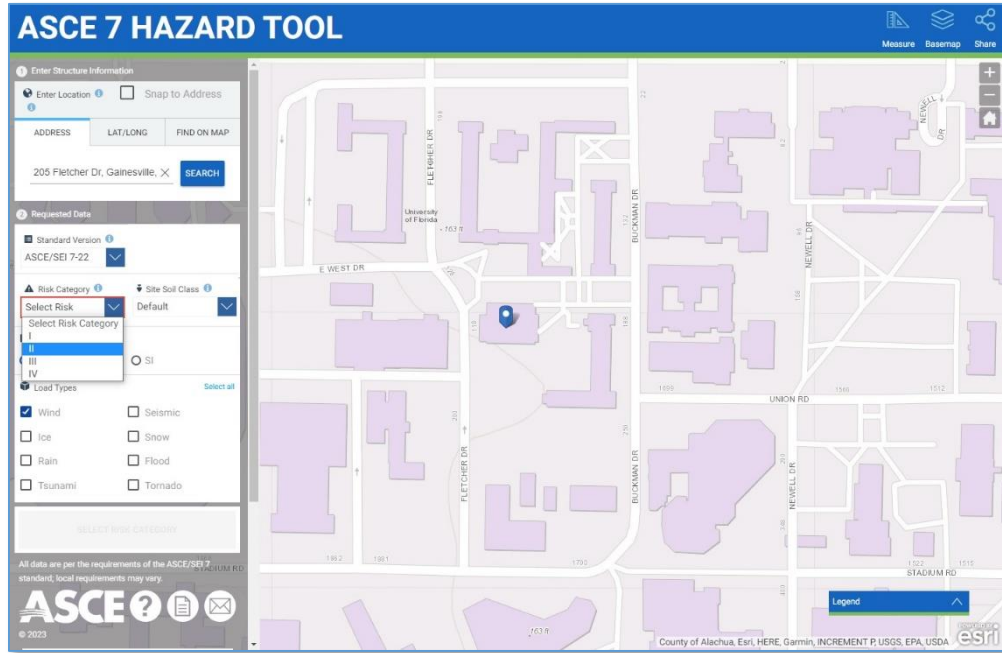
The Florida Building Code (FBC) 8th Edition (2023): FIGURES 1609.3(1-4) show in green are available for download from the Florida Geographic Data Library (www.fgdl.org). The links to these four datasets are included on Page 5 of this document.

Individual Preliminary Countywide (CAT I-IV) 2023 PDF maps are also available for download from the following location:

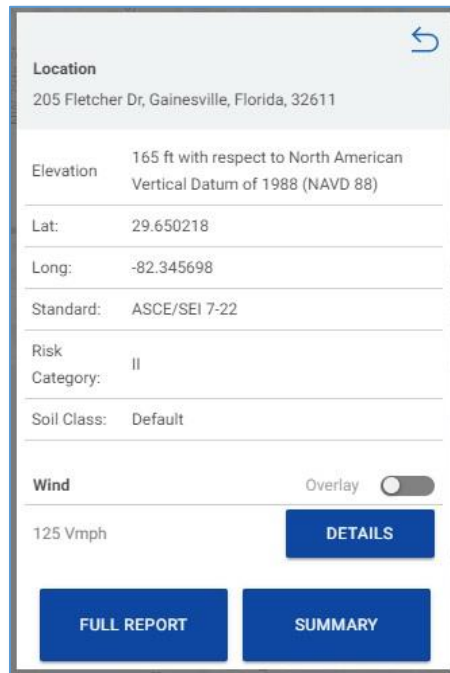
https://adhoc.geoplan.ufl.edu/downloads/kate/windspeed_2023/Preliminary_County_PDFs_Draft_20230322/



Additionally, the **ASCE 7 HAZARD TOOL** (<https://asce7hazardtool.online>) is now available. The ASCE 7 Hazard Tool, is a quick, reliable, and free way to look up key design parameters specified in Standard ASCE/SEI 7-22. Simply input a street address, select a wind speed category, click Wind, and then click View Results.



The initial report shows an interpolated wind speed number for the address. A more detailed PDF report for download can be created by clicking “Full Report”.



Ultimate Design Wind Speeds 2023 GIS Data Download Location:

ASCE/SEI 7-22 Risk Category I Basic Wind Speed Map (300yr) for Florida - 2021

FILENAME: WINDZONES_CAT1_ASCE7_22_JUN21

External Metadata:

https://fgdl.org/zips/metadata/xml/windzones_cat1_asce7_22_jun21.xml

Data Download:

https://fgdl.org/zips/geospatial_data/archive/windzones_cat1_asce7_22_jun21.zip

ASCE/SEI 7-22 Risk Category II Basic Wind Speed Map (700yr) for Florida - 2021

FILENAME: WINDZONES_CAT2_ASCE7_22_JUN21

External Metadata:

https://fgdl.org/zips/metadata/xml/windzones_cat2_asce7_22_jun21.xml

Data Download:

https://fgdl.org/zips/geospatial_data/archive/windzones_cat2_asce7_22_jun21.zip

ASCE/SEI 7-22 Risk Category III Basic Wind Speed Map (1700yr) for Florida - 2021

FILENAME: WINDZONES_CAT3_ASCE7_22_JUN21

External Metadata:

https://fgdl.org/zips/metadata/xml/windzones_cat3_asce7_22_jun21.xml

Data Download:

https://fgdl.org/zips/geospatial_data/archive/windzones_cat3_asce7_22_jun21.zip

ASCE/SEI 7-22 Risk Category IV Basic Wind Speed Map (3000yr) for Florida - 2021

FILENAME: WINDZONES_CAT4_ASCE7_22_JUN21

External Metadata:

https://fgdl.org/zips/metadata/xml/windzones_cat4_asce7_22_jun21.xml

Data Download:

https://fgdl.org/zips/geospatial_data/archive/windzones_cat4_asce7_22_jun21.zip