



Hazards by Location

Integration of U.S. Virgin Islands Special Wind Region

The Applied Technology Council ([ATC](#)) is pleased to announce that the U.S. Virgin Islands Special Wind Region is now integrated into the [ATC Hazards by Location](#) online tool. This update was funded by the [ATC Endowment Fund](#) with support from the Strategic Alliance for Risk Reduction ([STARR II](#)). The update was performed by [Prontotype, Inc.](#)

Integration of this new wind speed data addresses a key finding in the U.S. Virgin Islands Mitigation Assessment Team (MAT) Report, [FEMA P-2021, Hurricanes Irma and Maria in the U.S. Virgin Islands](#), regarding the effects of topography on wind speeds across the islands. Many locations were observed to have experienced higher wind speeds due to the channeling of wind through the mountains. Recommendation PR-40 from the FEMA P-2021 report concluded that new design guidance for topographic effects in the U.S. Virgin Islands was needed to allow designers to more appropriately address wind speed-up in building design.

ATC Hazards by Location

Search by Address Search by Coordinate

U.S. Virgin Islands Search

Coordinates: 18.3357649999999, -64.896335

Wind Snow Tornado Seismic

Print these results Save these results

U.S. Virgin Islands Special Wind Region 2019

Contours unavailable.

MRI 10-Year	74 mph
MRI 25-Year	110 mph
MRI 50-Year	127 mph
MRI 100-Year	140 mph

You are in a wind-borne debris region.

Risk Category I	155 mph
Risk Category II	164 mph
Risk Category III	174 mph
Risk Category IV	180 mph

If the structure under consideration is a healthcare facility and you are also within 1 mile of the coastal mean high water line, you are in a wind-borne debris region. If other occupancy, use the Risk Category II basic wind speed contours to determine if you are in a wind-borne debris region.

You are in a wind-borne debris region.

Map Satellite

Great Tobago Hans Lollik Island Magens Bay Beach Charlotte Amalie West Charlotte Amalie St. Thomas Estate Bovoni St. Thomas East End Reserves Cruz Bay Trunk Bay Virgin Nation

210 ft

Hind Bank Marine Conservation District

Map data ©2020 Terms of Use

The U.S. Virgin Islands Special Wind Region study was a collaboration among the Department of Planning and Natural Resources (DPNR), the Federal Emergency Management Agency (FEMA), and other stakeholders. Wind speed-up analysis was conducted by Applied Research Associates.

Please [contact ATC](#) with any questions regarding the ATC Hazards by Location website or access to the [API](#).

