



First Street™ Hazard Data for Resilience Planning



First Street provides statewide, high-resolution, property-specific risk modeling for several natural hazards.

Hazard Type	Available Geospatial Datasets
Flood <i>Accounts for pluvial, fluvial, and coastal flooding</i>	2-, 5-, 20-, 100-, and 500-year flood events for 2025 and projected 2055 conditions.
Fire	Burn, ember, and flame probability for 2022 and projected 2052, Flame length average and maximum for 2022 and projected 2052.
Wind	1% and 0.2% Annual Chance Hurricane Wind Speed for 2023 and projected 2053.
Air Quality	Current annual and projected 30 year Orange Day (unhealthy for sensitive adults) and Red Day (unhealthy for everyone) counts.

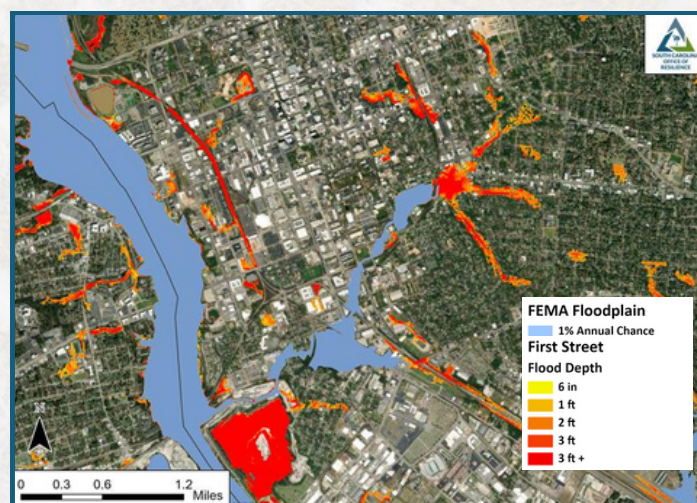
How does SCOR use First Street data?

First Street's modeling provides valuable insight for assessing risk as an advisory tool due to its incorporation of property level statistics and specific emphasis on current climate conditions. This data is especially useful when evaluating flood events as the maps from First Street models supplement FEMA's flood plain mapping. The First Street model provides additional risk coverage in areas historically not captured by federal flood maps. SCOR has used this data to inform the [2023 Resilience Plan](#).

How can you access First Street data?

The [SCOR Resilience Atlas](#) is an online mapping tool anyone can visit to explore the data our office regularly references, including data from First Street. If you're a unit of government in SC interested in obtaining a downloadable version of any of the modeled risk data, please submit a [Data Request Form](#) to SCOR's Geospatial Coordinator.

FEMA 100 Year Floodplain compared to the First Street 2025 1% Annual Chance Flood Model V4.0



Environmental risk data is provided by First Street™. First Street models are designed to approximate risk and not intended to include all possible scenarios.