

Flooding continues to be a problem in many coastal towns. This project is meant to serve as a guide for citizens in the Charleston area who are interested in buying a house and determining whether they are prepared to live in flood-prone areas. For this purpose, two maps were created based on data collected by the City of Charleston. The first map identifies the Flood Factor Score for areas with above-average housing costs in the Charleston area. Using FEMA flood zones, the Flood Factor Score identifies areas prone to flooding in the near future. The second map focuses on evacuation routes for natural disasters, road closures, and flooded basins. Together, the maps identify the majority of Charleston affected by flooding and provide a valuable guide to prospective homeowners about the safety of the area.