

Flood Inundation Maps for Rhode Island

Data Displayed	Regulatory or Planning Purposes	Source	Vertical Reference	Digital Elevation Model (DEM)	GIS Data Availability
Areas projected to be inundated by 1% and 0.2% flood events	Regulatory	FEMA Flood Insurance Rate Maps	NAVD88	Elevations derived from orthophotography	Currently https://msc.fema.gov/portal
Areas projected to be inundated by a 1% flood event under climate change impacts projected for the years 2022, 2052 and 2084	Planning	Department of Health, SafeWaterRI Project - TetraTech	NAVD88 and NGVD29		Within the next two weeks
Coastal areas projected to be inundated during the worst case scenarios for Category 1 through Category 4 hurricanes	Planning	Maps prepared by Army Corps of Engineers using NOAA SLOSH model runs	NAVD88	Elevations derived from orthophotography	Currently Static Maps: http://www.riema.ri.gov/preparedness/evacuation/hurricane_inundation.php RIGIS: http://www.edc.uri.edu/rigis/data/download/inundation09.html
Coastal areas projected to be inundated by 1, 3 and 5 feet of sea level rise	Planning	RI Division of Planning, Transportation Infrastructure Assessment Project	NAVD88	RIGIS LiDAR 2011 with VDatum	Currently - will be uploaded to RIGIS
Coastal areas projected to be inundated under current conditions (0 year) as well as during 25, 50 and 100 year flooding events, with 1, 2 and 5 feet of sea level rise (i.e. 12 scenarios/maps total)	Planning	RI CRMC and URI - StormTools Simple Method	NAVD88 (or MHHW at user choice)	RIGIS LiDAR 2011	Draft maps for peer review by end of October, available for downloading by end of year