RESOURCES

OVERARCHING TOOLS

[ArcGIS Online](). This Esri platform allows you to view interactive maps, create web maps, and use story maps by creating an account.

[Rhode Island Geographic Information Systems (RIGIS)](). RIGIS provides a collection of downloadable geospatial datasets from a variety of governmental and private entities across the state. Information and links to pre-made maps and web-based mapping applications are also available.

[University of Rhode Island Environmental Data Center (URI EDC).]() The EDC is a spatial data analysis laboratory and the center of GIS technical expertise for the state.

[STORMTOOLS](). These interactive maps detail various sea level rise and storm surge scenarios across the state. The maps were created by the CRMC and the University of Rhode Island for planning purposes. STORMTOOLS Map Journals, Map Gallery, Interactive Maps, and RIGIS shapefiles are available on the BeachSAMP website.

[RI Floodplain Mapping Tool](). Based on information from the National Floodplain Insurance Program (NFIP), this interactive ArcGIS map viewer helps the user identify flood zones for Rhode Island properties. FEMA Flood Insurance information is also available at the [FEMA Map Service Center]().

THE NATURAL ENVIRONMENT

[Coastal Erosion Map](). These downloadable maps illustrate shoreline rates of change over the past several decades and are hosted by the RI Coastal Resources Management Council (CRMC).

[Sea Level Affecting Marshes Model (SLAMM).]() These downloadable maps illustrate wetlands within coastal communities and show how they may transition and migrate in various sea level rise scenarios. These maps are hosted by the RI CRMC.

[RI Department of Environmental Management (DEM) Critical Resource Area (CRA)](). The DEM Environmental Resource Map is an interactive ArcGIS map viewer that has several operational layers including a layer delineating CRA. If an onsite wastewater treatment system is located within this area, it must meet DEM denitrification requirements.

Coastal Freshwater Wetlands. This ArcGIS map viewer illustrates whether a coastal wetland falls within CRMC or DEM jurisdiction.

RI Coastal Resources Management Council Water Use Maps. These maps show CRMC's classification of tidal waters based on the adjacent shoreline, how the area is being used, the density of use, and the presence of any conservation considerations.

THE BUILT ENVIRONMENT

Rhode Island Level Rise and Transportation Fact Sheets. Based on Rhode Island Statewide Planning's Technical Paper 167, these Fact Sheets, which include map images, describe exposure and vulnerability assessments of transportation assets for each of the 21 coastal communities in the state.

Rhode Island Sea Level Rise: Impacts on Transportation Assets. This interactive ArcGIS map viewer illustrates transportation infrastructure's (roads, rail, bike paths, ports and harbors, RIPTA bus routes, intermodal hubs, and bridges) exposure to 1, 3, and 5 feet of sea level rise. This information links to Technical Papers164 and 167, vulnerability assessments by Statewide Planning.

Flood Evacuation Maps. Developed by the US Army Corps of Engineer, these community-wide evacuation maps were created for each of the 21 coastal Rhode Island municipalities.

OTHER TOOLS

MyCoast. This crowd-sourced website (and mobile app) hosts images uploaded by Rhode Islanders showing local implications of coastal events such as extreme tides (also referred to as King Tides) and storms submitted by the public.

SLR Curve Calculator. Created by the US Army Corps of Engineers and NOAA, this web-based calculator accepts user input (project start date, selection of NOAA tide gauge, and project life span) to produce a table and graph of the projected sea level changes for the location.

Rapid Property Assessment and Coastal Exposure (Rapid PACE). This screening tool provides municipal officials a property-based summary of exposure to coastal hazards.