

SLOSH INUNDATION MAP

SEA, LAKE AND OVERLAND SURGE FROM HURRICANES

STONINGTON, CT

LEGEND

Base Map

Political

- State Boundary
- County Boundary
- Town Boundary

Transportation

- Major Highway
- Highway
- Local Road
- Railroad

Water

- Water
- Intermittent Water
- Dam
- Aqueduct
- Water
- Intermittent Water
- Inundated Area
- Marsh
- Dam

Hurricane Surge

- Category 1 and 2 Hurricanes
- Category 3 Hurricanes
- Category 4 Hurricanes
- Area May Become Isolated
- Category 4 Hurricanes NWN (Stamford only)

Explanation

This map and hurricane surge (SLOSH) areas presented on the map are part of the State of Connecticut Hazard Mitigation Implementation Plan for 2004 - 2007. Hazard mitigation seeks to prevent loss of life and to reduce damages resulting from a natural disaster and to aid restoration of services following each such disaster. Although flooding is the most frequent type of natural disaster to affect Connecticut, these maps will also assist communities in responding to other types of natural disasters, hazardous materials incidents, terrorism and other man-made events.

The hurricane surge data shown on this map provides an assessment of vulnerability to this type of disaster. Overlaying a statewide critical facility database with hurricane surge data will aid towns in identifying flood-prone critical facility structures. This information can assist in disaster planning, response and recovery, and hazard mitigation implementation. It is also part of hurricane evacuation preparedness.

For further information regarding these maps contact
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79 Elm Street, Hartford, CT, 06106-5127, phone: 860-424-3706

Data Sources

USACE Hurricane Surge (SLOSH): Hurricane surge inundation mapping for coastal Connecticut prepared by the U.S. Army Corps of Engineers (USACE) in 1992 in cooperation with FEMA. It represents potential flooding from "worst case" combinations of hurricane direction, forward speed, landfall point and high astronomical tides. It does not include riverine flooding caused by hurricane surge or inland freshwater flooding. The mapping was developed using the SLOSH (Sea, Lake, and Overland Surges from Hurricanes) computer model (developed by the National Weather Service) to forecast surges that occur from wind and pressure forces of hurricanes. Long Island Sound Bathymetry and Connecticut coastline topography. In this region hurricane category is the predominant factor in "worst case" hurricane surges. The resulting inundation areas are grouped into Category 1 and 2, Category 3, and Category 4 classifications.



FEMA

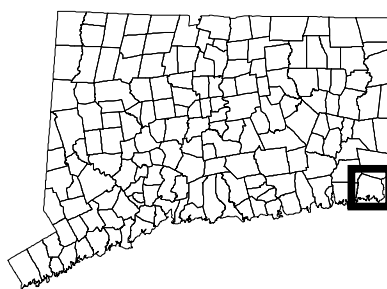


US Army Corps of Engineers

Base Map: Road - U.S. Census TigerLine 2000 street network enhanced by the UConn Center for Geographic Information and Analysis, published 2002, collection date 2000 and collection scale varies; labeling - U.S. Census TigerLine 2000, UCONN, data, collection scale 1:24,000 and collection date varies; **Water** - 1:24,000 scale U.S. Geological Survey (USGS) 7.5 minute topographic quadrangle-based hydrography; labeling - Geographic Data Technology, Inc. (GDT) data. **Political** - 1:24,000 scale USGS 7.5 minute topographic quadrangle-based town and state boundaries; labeling from the town name attribute.

Map and Database
September, 2004
Review Draft

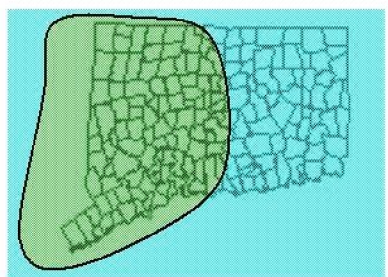
State of Connecticut



State Plane Coordinate System of 1983, Zone 1820
Lambert Conformal Cone Projection
North American Datum of 1983

SCALE

Earthquake Hazard



Wind Hazard



STATE OF CONNECTICUT
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Arthur J. Rocque Jr., Commissioner

NOTE: This map is not colorfast. Protect from light and moisture.

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