Connecticut Hurricane Surge Inundation Mapping
August 2012
Westbrook

NOTES & SOURCES

Hurricane surge elevations were determined by the National Hurricane Center using the NY3 and PV2 SLOSH model basins, and assumed peak hurricane surge arriving at mean high water.

The hurricane surge inundation areas shown on this map depict the inundation that can be expected to result from a worst case combination of hurricane landfall location, forward speed, and direction for each hurricane category.

The source of basemap transportation features such as roads and railroads is Tele Atlas 2009. The source of other basemap features is the Connecticut DEEP.

The primary ground elevation data source was LIDAR data created by Terapoint LLC for FEMA. That data was supplemented where needed by ground surface LIDAR data created by Terapoint LLC for the State of Connecticut. The vertical accuracy of all LIDAR data is approximately +/- 1 foot, and the horizontal accuracy is approximately +/- 3 feet.

The horizontal projection of this map is Connecticut State Plane NAD83 feet. All elevation data was referenced to the NAVD88 vertical datum.

TITLE

US Army Corps of Engineers
New England District
FEMA

Legend

Hydrographic Features

- Water
- Intermittent Water
- Flat
- Flood
- Flooded Area
- Marsh
- Cranberry Bog
- Dam
- Fish Hatchery
- Aqueduct
- Sewage Pond
- Water Tank

Public Shelters

1. DAISY INGRAHAM MIDDLE SCHOOL

Medical/Institutional Facilities

1. TIDEWATER MANOR

Mobile Homes/Trailer Parks

1. GREEN ACRES PARK
2. GROVE BEACH

Transportation

- Interstate Highway
- US Highways
- State/Local Highways
- Local Road
- Railroad
- Airport

Political

- Town Boundary
- State Boundary

Facility Location Key

- Public Shelter
- Medical/Institutional Facility
- Mobile Home/Trailer Park

LOCATIONS MAP

- New York
- New Jersey
- New Hampshire
- Massachusetts
- Rhode Island
- Connecticut
- New England

Long Island Sound

Map legend and metadata:

- "PUBLIC SHELTERS"
  - 1. DAISY INGRAHAM MIDDLE SCHOOL
- "MEDICAL-INSTITUTIONAL FACILITIES"
  - 1. TIDEWATER MANOR
- "MOBILE HOMES/TRAILER PARKS"
  - 1. GREEN ACRES PARK
  - 2. GROVE BEACH
- "Connecticut Hurricane Surge Inundation Mapping"
- "August 2012
Westbrook"

Detailed information and sources:

- Hurricane surge elevations determined by National Hurricane Center
- NY3 and PV2 SLOSH model basins
- Peak hurricane surge arriving at mean high water
- Worst-case combination of landfall location, forward speed, direction
- Basemap transportation features from Tele Atlas 2009
- Other basemap features from Connecticut DEEP
- LIDAR data from Terapoint LLC
- Ground surface LIDAR data from Terapoint LLC
- Vertical accuracy of LIDAR data: +/- 1 foot
- Horizontal accuracy of LIDAR data: +/- 3 feet
- Horizontal projection: Connecticut State Plane NAD83 feet
- Elevation data referenced to NAVD88 vertical datum

Map details:

- Topographical features
- Water bodies
- Transportation networks
- Political boundaries
- Facility locations

Map credits:

- US Army Corps of Engineers
- New England District
- FEMA