

WARREN COUNTY

Hazard Analysis Report



March 2015

Background

On **March 6, 2015** Warren County conducted a hazard analysis using the automated program, *HAZNY* (Hazards New York). *HAZNY* was developed by the American Red Cross and the New York State Emergency Management Office.

The results of this hazard analysis are presented in this report.

***HAZNY* and Warren County**

HAZNY is an automated interactive spreadsheet that asks specific questions on potential hazards in a community and records and evaluates the responses to these questions. *HAZNY* also includes historical and expert data on selected hazards. *HAZNY* is designed specifically for groups, rather than individual use. Warren County assembled a group of local officials to consider and discuss the questions and issues raised by the *HAZNY* program. Representatives from the Office of Emergency Services facilitated the meeting and recorded the results.

The Results

The Group analyzed hazards potentially affecting Warren County. *HAZNY* rated each hazard based on the Group's assessment and assigned a numerical value.

These values are categorized as follows:

321 to 400 HIGH HAZARD
241 to 320 MODERATELY HIGH HAZARD
161 to 240 MODERATELY LOW HAZARD
44 to 160 LOW HAZARD

The Group rated the 23 hazards as follows:

<i>Hazard</i>	<i>Rating</i>
<i>FLOOD</i>	330
<i>DAM FAILURE</i>	303
<i>TRANS ACCIDENT</i>	253
<i>HAZMAT (FIXED SITE)</i>	248
<i>HAZMAT (IN TRANSIT)</i>	242
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STRUCTURAL COLLAPSE	158
DROUGHT	120

Hazard(s) rated as high: FLOOD

FLOOD: 330, High Hazard

Potential Impact: Throughout a Large Region

Cascade Effects: Highly Likely

Frequency: A Frequent Event

Onset: Several Hours Warning

Hazard Duration: Two to Three Days

Recovery Time: More Than Two Weeks

Impact:

- Serious Injury or Death Unlikely
- Severe Damage to Private Property
- Severe Structural Damage to Public Facilities

Hazard(s) rated as moderately high: DAM FAILURE, TRANS ACCIDENT, HAZMAT (FIXED SITE), HAZMAT (IN TRANSIT)

DAM FAILURE: 303, Moderately High Hazard

Potential Impact: Several Locations
Cascade Effects: Highly Likely
Frequency: A Regular Event
Onset: No Warning
Hazard Duration: Two to Three Days
Recovery Time: More Than Two Weeks
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Severe Damage to Private Property
- Severe Structural Damage to Public Facilities

TRANS ACCIDENT: 253, Moderately High Hazard

Potential Impact: Single Location
Cascade Effects: Some Potential
Frequency: A Frequent Event
Onset: No Warning
Hazard Duration: Less Than One Day
Recovery Time: One to Two Days
Impact:

- Serious Injury or Death to Large Numbers
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

HAZMAT (FIXED SITE): 248, Moderately High Hazard

Potential Impact: Several Locations
Cascade Effects: Highly Likely
Frequency: A Regular Event
Onset: No Warning
Hazard Duration: Two to Three Days
Recovery Time: One to Two Days
Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

HAZMAT (IN TRANSIT): 242, Moderately High Hazard

Potential Impact: Several Locations
Cascade Effects: Some Potential
Frequency: A Regular Event
Onset: No Warning
Hazard Duration: Two to Three Days
Recovery Time: One to Two Days

Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

Hazard(s) rated as moderately low: ICE JAM, SEVERE STORM, INFESTATION, WATER SUPPLY CONTAMINATION, EPIDEMIC, EXTREME TEMPS, TERRORISM, EARTHQUAKE, FIRE, ICE STORM, HURRICANE, WINTER STORM (SEVERE), LANDSLIDE, WILDFIRE, UTILITY FAILURE

ICE JAM: 238, Moderately Low Hazard

Potential Impact: Several Locations
Cascade Effects: Highly Likely
Frequency: A Regular Event
Onset: No Warning
Hazard Duration: Less Than One Day
Recovery Time: More Than Two Weeks

Impact:

- Serious Injury or Death Unlikely
- Moderate Damage to Private Property
- Little or No Structural Damage to Public Facilities

SEVERE STORM: 237, Moderately Low Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Some Potential
Frequency: A Frequent Event
Onset: One Day Warning
Hazard Duration: Less Than One Day
Recovery Time: Three Days to One Week

Impact:

- Serious Injury or Death Unlikely
- Moderate Damage to Private Property
- Little or No Structural Damage to Public Facilities

INFESTATION: 235, Moderately Low Hazard

Potential Impact: Several Locations
Cascade Effects: Some Potential
Frequency: A Regular Event
Onset: No Warning
Hazard Duration: More Than One Week
Recovery Time: Three Days to One Week

Impact:

- Serious Injury or Death Unlikely
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

WATER SUPPLY CONTAMINATION: 230, Moderately Low Hazard

Potential Impact: Throughout a Small Region
Cascade Effects: Some Potential
Frequency: A Regular Event
Onset: No Warning
Hazard Duration: Four days to One Week
Recovery Time: One to Two Days

Impact:

- Serious Injury or Death Unlikely
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

EPIDEMIC: 225, Moderately Low Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Highly Unlikely
Frequency: A Regular Event
Onset: More Than One Week Warning
Hazard Duration: More Than One Week
Recovery Time: More Than Two Weeks

Impact:

- Serious Injury or Death to Large Numbers
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

EXTREME TEMPS: 223, Moderately Low Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Highly Likely

Frequency: A Regular Event
Onset: Several Days Warning
Hazard Duration: More Than One Week
Recovery Time: One to Two Days
Impact:

- Serious Injury or Death Unlikely
- Moderate Damage to Private Property
- Moderate Structural Damage to Public Facilities

TERRORISM: 222, Moderately Low Hazard

Potential Impact: Single Location
Cascade Effects: Highly Likely
Frequency: A Rare Event
Onset: No Warning
Hazard Duration: Less Than One Day
Recovery Time: More Than Two Weeks
Impact:

- Serious Injury or Death to Large Numbers
- Severe Damage to Private Property
- Severe Structural Damage to Public Facilities

EARTHQUAKE: 216, Moderately Low Hazard

Potential Impact: Throughout a Large Region
Cascade Effects: Some Potential
Frequency: A Regular Event
Onset: No Warning
Hazard Duration: Less Than One Day
Recovery Time: Less Than One Day
Impact:

- Serious Injury or Death Unlikely
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

FIRE: 214, Moderately Low Hazard

Potential Impact: Single Location
Cascade Effects: Some Potential
Frequency: A Regular Event
Onset: No Warning
Hazard Duration: One Day
Recovery Time: One to Two Days

Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Moderate Damage to Private Property
- Little or No Structural Damage to Public Facilities

ICE STORM: 208, Moderately Low Hazard

Potential Impact: Throughout a Small Region

Cascade Effects: Some Potential

Frequency: A Regular Event

Onset: One Day Warning

Hazard Duration: One Day

Recovery Time: One to Two Weeks

Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Little or No Damage to Private Property
- Moderate Structural Damage to Public Facilities

HURRICANE: 204, Moderately Low Hazard

Potential Impact: Throughout a Large Region

Cascade Effects: Highly Likely

Frequency: An Infrequent Event

Onset: Several Days Warning

Hazard Duration: One Day

Recovery Time: More Than Two Weeks

Impact:

- Serious Injury or Death Unlikely
- Moderate Damage to Private Property
- Severe Structural Damage to Public Facilities

WINTER STORM (SEVERE): 200, Moderately Low Hazard

Potential Impact: Throughout a Large Region

Cascade Effects: Highly Likely

Frequency: A Regular Event

Onset: Several Days Warning

Hazard Duration: One Day

Recovery Time: Three Days to One Week

Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

LANDSLIDE: 192, Moderately Low Hazard

Potential Impact: Single Location
Cascade Effects: Some Potential
Frequency: A Regular Event
Onset: No Warning
Hazard Duration: Less Than One Day
Recovery Time: One to Two Days
Impact:

- Serious Injury or Death Unlikely
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

WILDFIRE: 191, Moderately Low Hazard

Potential Impact: Single Location
Cascade Effects: Some Potential
Frequency: An Infrequent Event
Onset: No Warning
Hazard Duration: More Than One Week
Recovery Time: One to Two Days
Impact:

- Serious Injury or Death Unlikely
- Moderate Damage to Private Property
- Little or No Structural Damage to Public Facilities

UTILITY FAILURE: 186, Moderately Low Hazard

Potential Impact: Single Location
Cascade Effects: Some Potential
Frequency: A Regular Event
Onset: No Warning
Hazard Duration: Less Than One Day
Recovery Time: Less Than One Day
Impact:

- Serious Injury or Death Unlikely
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

Hazard(s) rated as low: TORNADO, STRUCTURAL COLLAPSE, DROUGHT

TORNADO: 160, Low Hazard

Potential Impact: Throughout a Small Region

Cascade Effects: Some Potential

Frequency: An Infrequent Event

Onset: Several Hours Warning

Hazard Duration: Less Than One Day

Recovery Time: One to Two Days

Impact:

- Serious Injury or Death Unlikely
- Moderate Damage to Private Property
- Little or No Structural Damage to Public Facilities

STRUCTURAL COLLAPSE: 158, Low Hazard

Potential Impact: Single Location

Cascade Effects: Highly Unlikely

Frequency: An Infrequent Event

Onset: No Warning

Hazard Duration: Less Than One Day

Recovery Time: One to Two Days

Impact:

- Serious Injury or Death is Likely, but not in Large Numbers
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

DROUGHT: 120, Low Hazard

Potential Impact: Throughout a Large Region

Cascade Effects: Some Potential

Frequency: A Rare Event

Onset: More Than One Week Warning

Hazard Duration: More Than One Week

Recovery Time: Three Days to One Week

Impact:

- Serious Injury or Death Unlikely
- Little or No Damage to Private Property
- Little or No Structural Damage to Public Facilities

**HAZARDS THAT OCCUR WITH NO
WARNING***

DAM FAILURE

TRANS ACCIDENT

HAZMAT (FIXED SITE)

HAZMAT (IN TRANSIT)

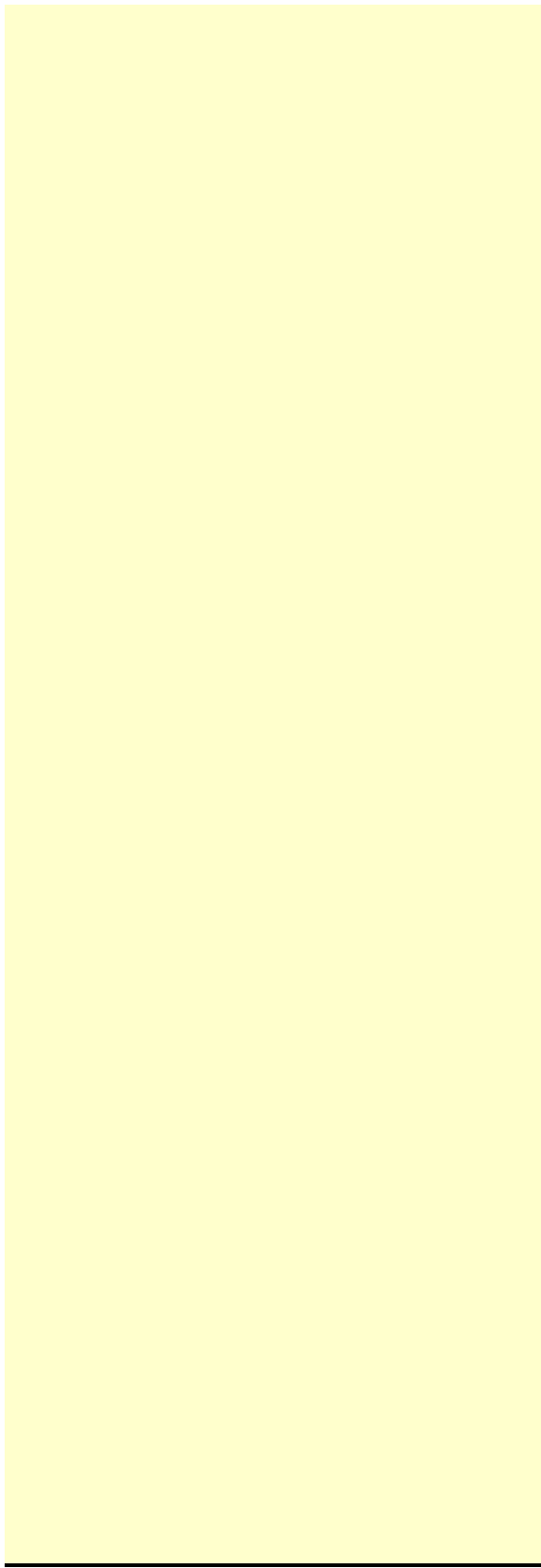
ICE JAM

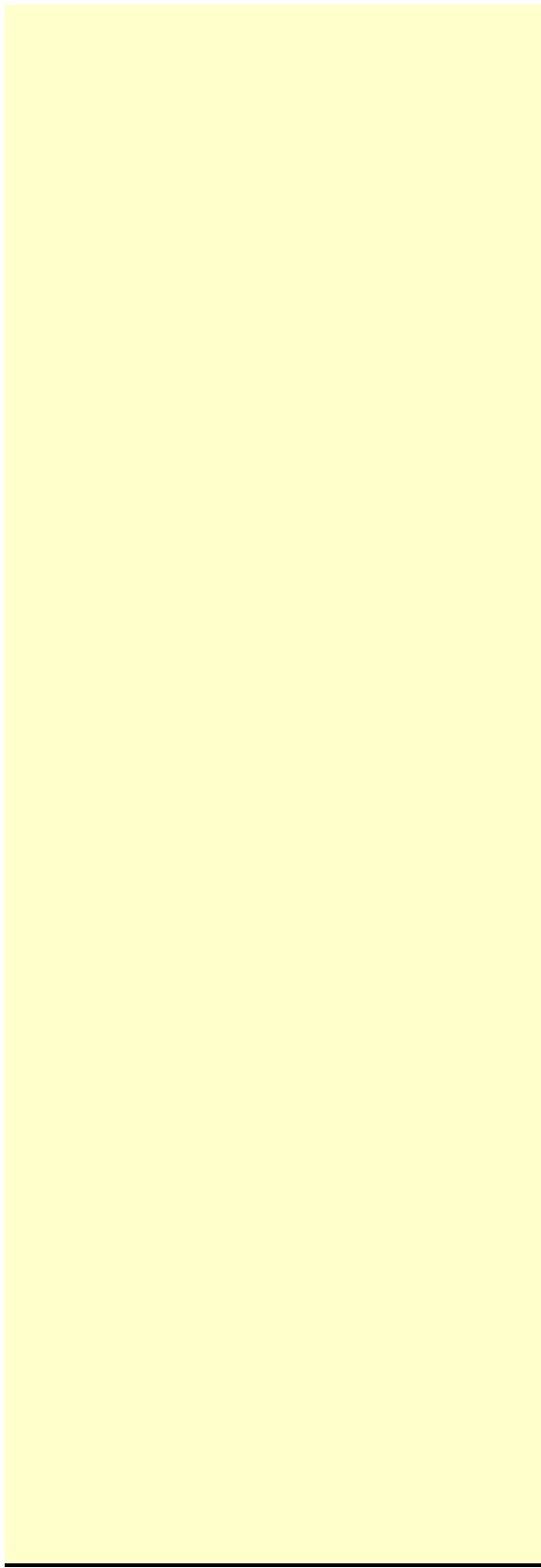
INFESTATION

WATER SUPPLY CONTAMINATION

TERRORISM

EARTHQUAKE





FIRE

LANDSLIDE

WILDFIRE

UTILITY FAILURE

STRUCTURAL COLLAPSE

* No warning was selected from the Onset Tab.

***HAZARDS THAT OCCUR MOST
OFTEN****

FLOOD

TRANS ACCIDENT

SEVERE STORM

*A frequent event was selected on frequency Tab.

HAZARDS THAT PRESENT THE GREATEST THREAT TO LIFE*

TRANS ACCIDENT

EPIDEMIC

TERRORISM

*Serious injury and death in large or extremely large numbers was selected from the Impact Tab.