2017 Lake Ontario High Water Level Impact Survey: A Sample of Results

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Rebuilding After the 2017 Lake Ontario Flood: A Primer for Code Enforcement Officers

Greece, NY

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896 surveys were recorded in the Qualtrics Database. Of those:
- 406 were screened out (not on Lake Ontario, incomplete, or duplicate)
- We were left with 490 complete (or near complete) surveys
Inundation of Property

Percentage of responses that indicated the following property types were inundated:

- **Near-Shore**: occurs if lawn OR dock OR landscaping is inundated
- **Secondary Structures**: occurs if outbuildings OR utility infrastructure is inundated
- **Foundation**:
- **First Floor**

![Bar chart showing percentage of responses for each property type.]

- Near-shore area (n=441): 97%
- Secondary structures (n=351): 68%
- Foundation (n=356): 52%
- First floor (n=306): 9%

*Sea Grant New York*
Duration of Inundation

Closed 8/31 (before flooding completely subsided)

- Survey closed 8/31
- Experience to date
Inundation of Property: 
Sodus Point (Wayne County)
Erosion Damage to Property

Percentage of responses that indicated no/small/moderate/severe impact from erosion on the following property types:

1. Near-shore (dock/stairs/ramp/deck)
2. Outbuilding
3. Main structure
Land Lost to Erosion

Percentage of responses that indicated that no/small/moderate/severe amount of land was lost to erosion

![Bar chart showing the percentage of responses for different amounts of land lost to erosion.](chart.png)
Land Lost to Erosion: Hamlin, NY (Monroe County)
Damage to Shoreline Protection

Percentage of responses that indicated that no/small/moderate/severe amount of damage occurred to EITHER vertical OR sloped shoreline protection.

![Bar chart showing percentage of responses by amount of damage]

- None: 8%
- Small Amount: 13%
- Moderate Amount: 23%
- Substantial Amount: 35%
- Don't Know: 20%

n = 310
Damage to Shoreline Protection: Olcott, NY (Niagara County)

Retaining wall collapse at Olcott Yacht Club
September, 2017
Photo: http://www.wgrz.com
Flood Insurance

Percentage of responses that indicated whether or not they had flood insurance:
Overall Impact

percentage of respondents indicating their overall impact on a scale of 1-10 (1=no impact; 10=substantial impact).
• Waterline on property
• Overall impact of water on property
• Existing flood-risk modeling work (2018 NYSG funded)
  • Steinschneider & Steadman
• Archiving
  • Steinschneider & Austerman
• This is only 4 of 466 responses
Kendall, NY (Orleans County) on 5/27/17
Williamson, NY (Wayne County) on 5/20/17
Pulaski, NY (Oswego County) on 5/4/17
Survey Results: *How can they be used?*

- Event documentation
- Lake-wide reporting
- Areas most vulnerable to coastal flooding identified
- Flood-risk model validation project (2018 NYSG funded)
- Assist in leveraging competitive funds
Thank you to all survey respondents!

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