

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

*January 24, 2018*

*Rebuilding After the 2017 Lake Ontario Flood:*

*A Primer for Code Enforcement Officers*

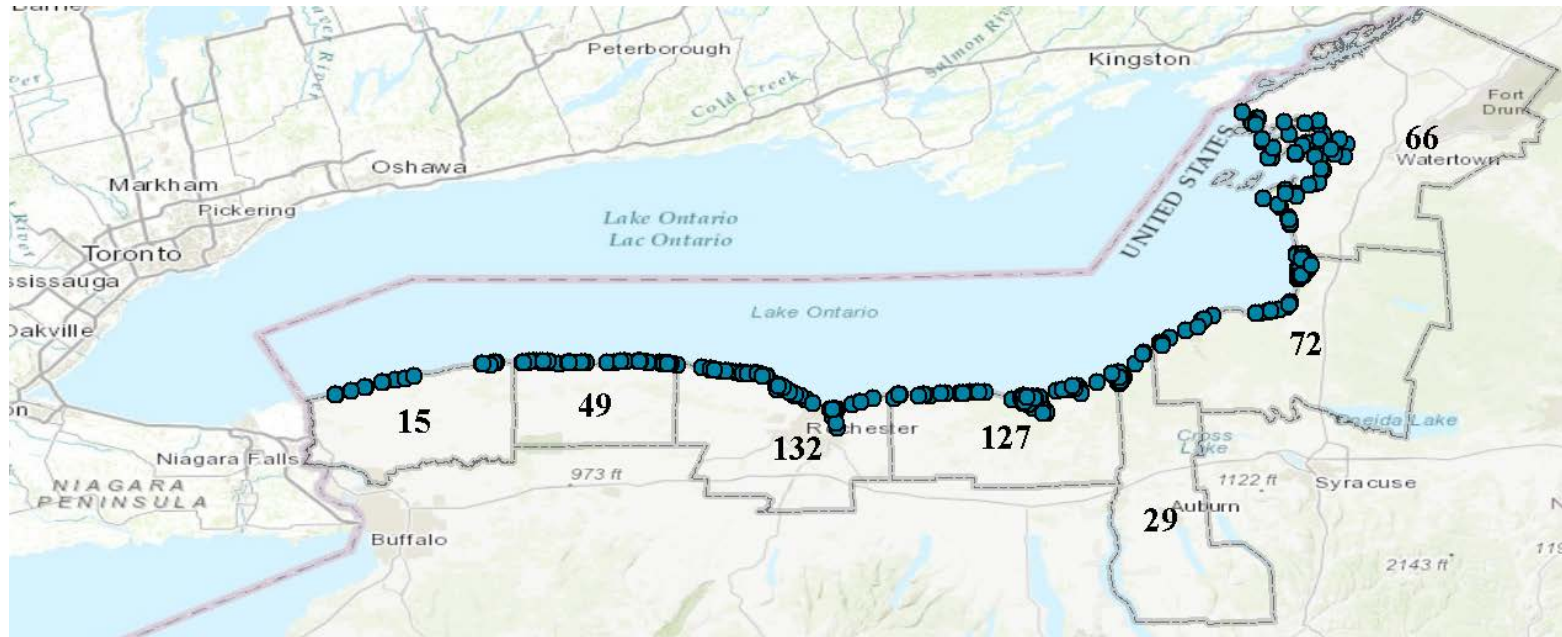
*Greece, NY*

*Mary Austerman*

*Coastal Community Specialist*

*New York Sea Grant*

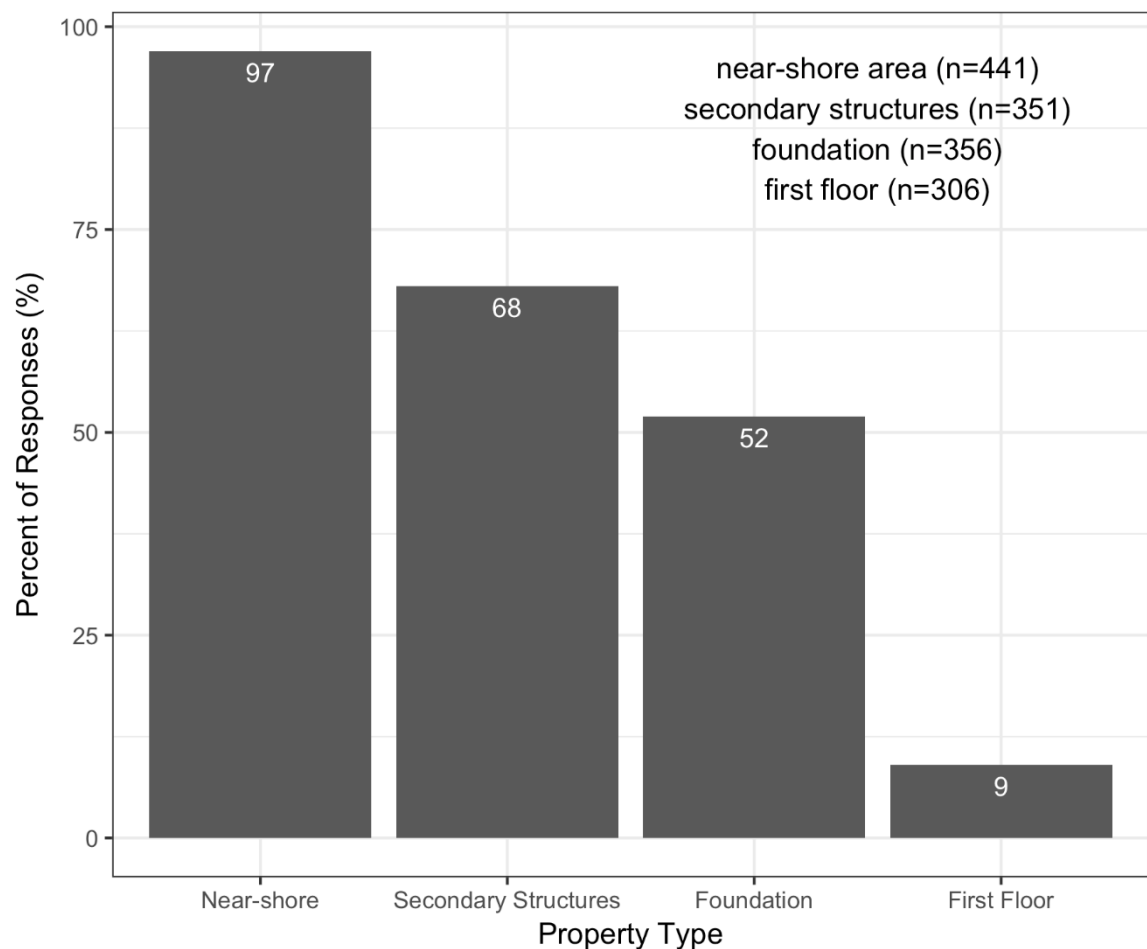
# Survey Response Distribution Map



- 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

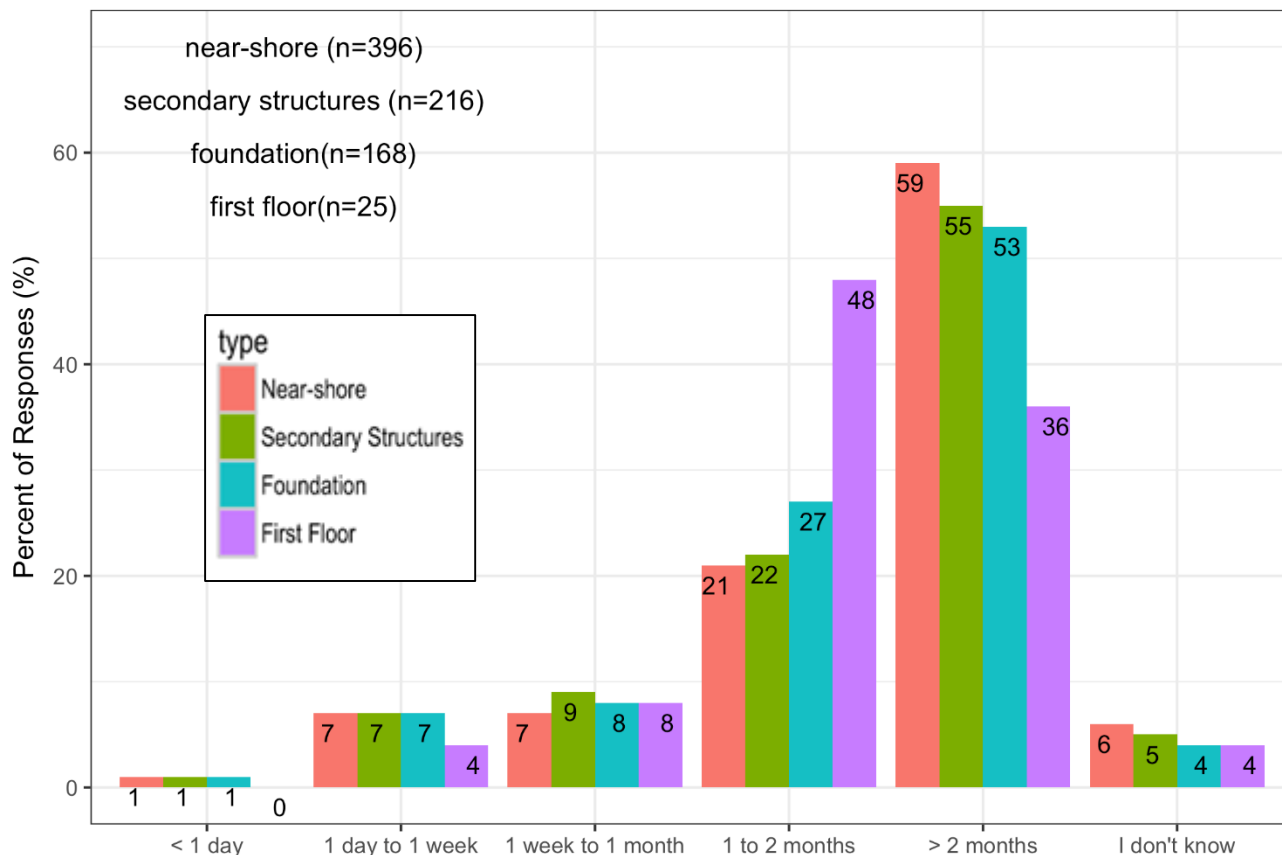
Percentage of responses that indicated the follow property types were inundated:



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

# Duration of Inundation

*closed 8/31 (before flooding completely subsided)*



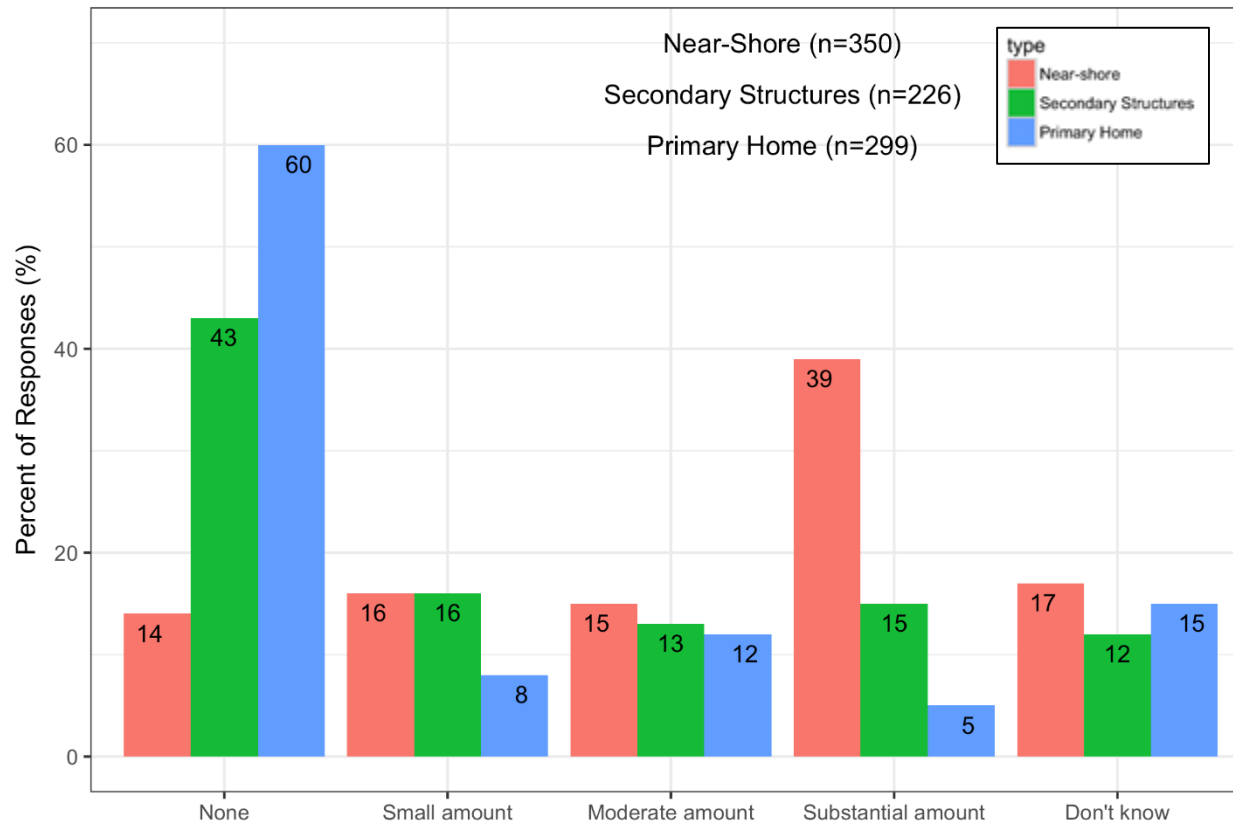
- Survey closed 8/31
- Experience to date

# 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:

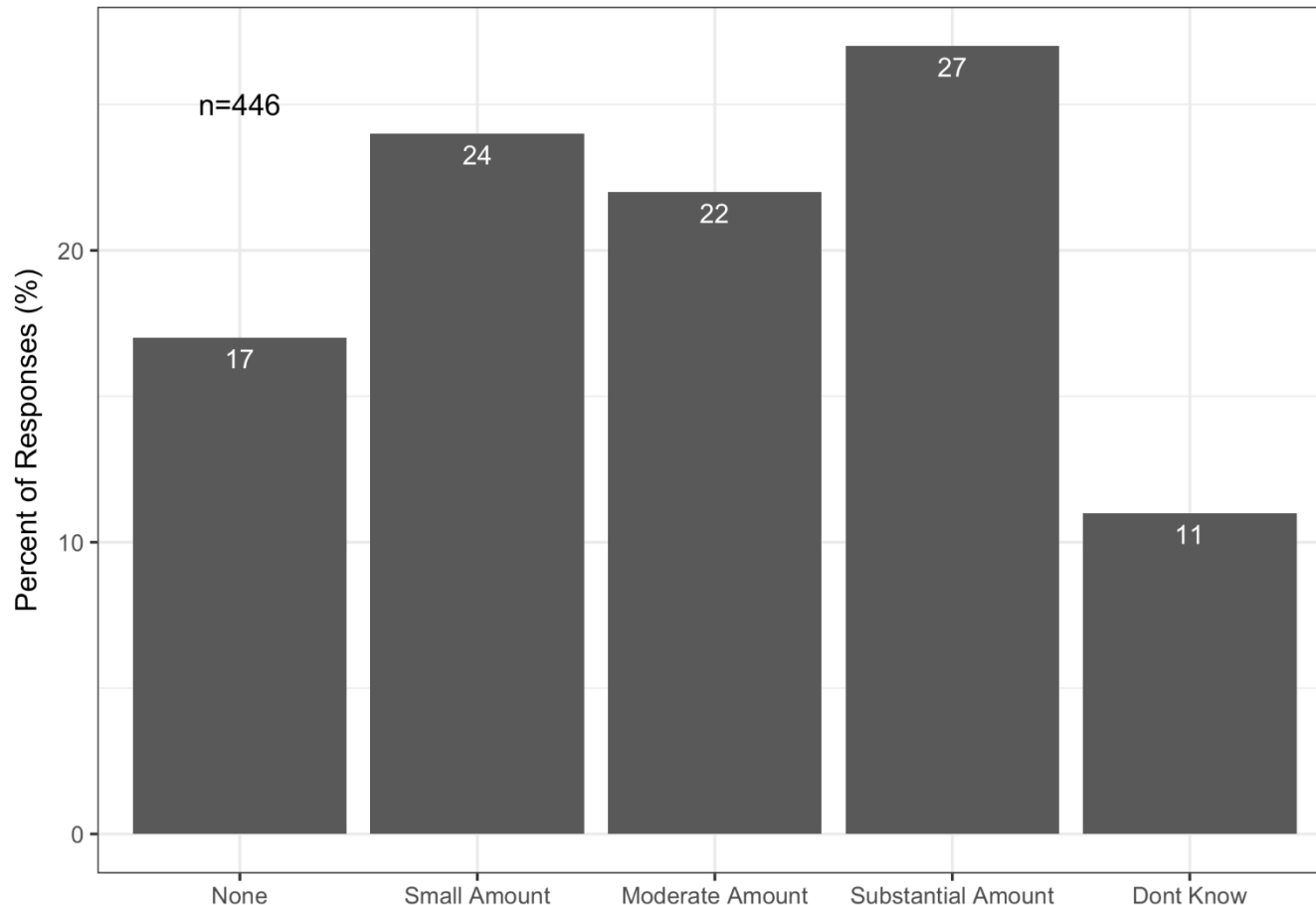


1. **Near-shore**  
(dock/stairs/ramp/deck)
2. **Outbuilding**
3. **Main structure**



# Land Lost to Erosion

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



# Land Lost to Erosion:

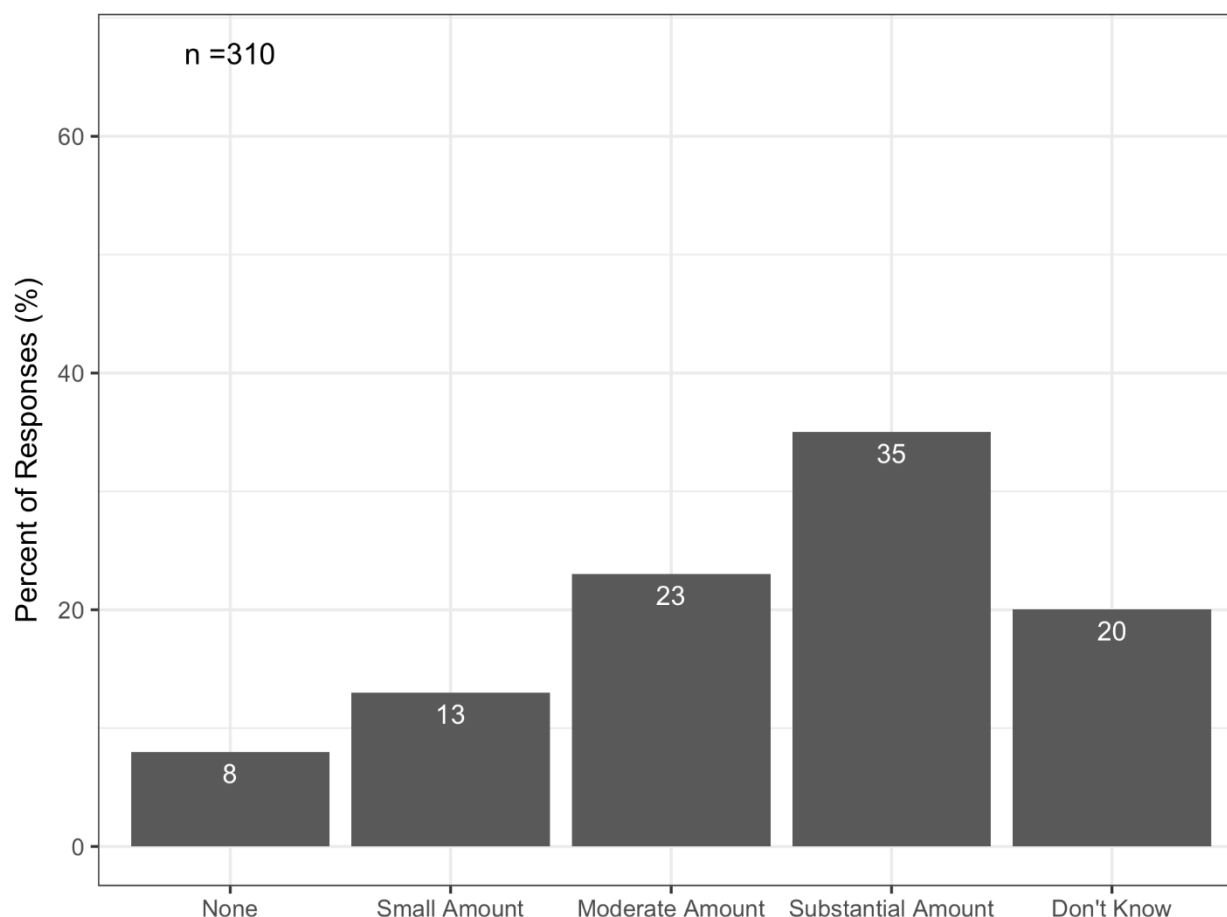
## *Hamlin, NY (Monroe County)*





# 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.



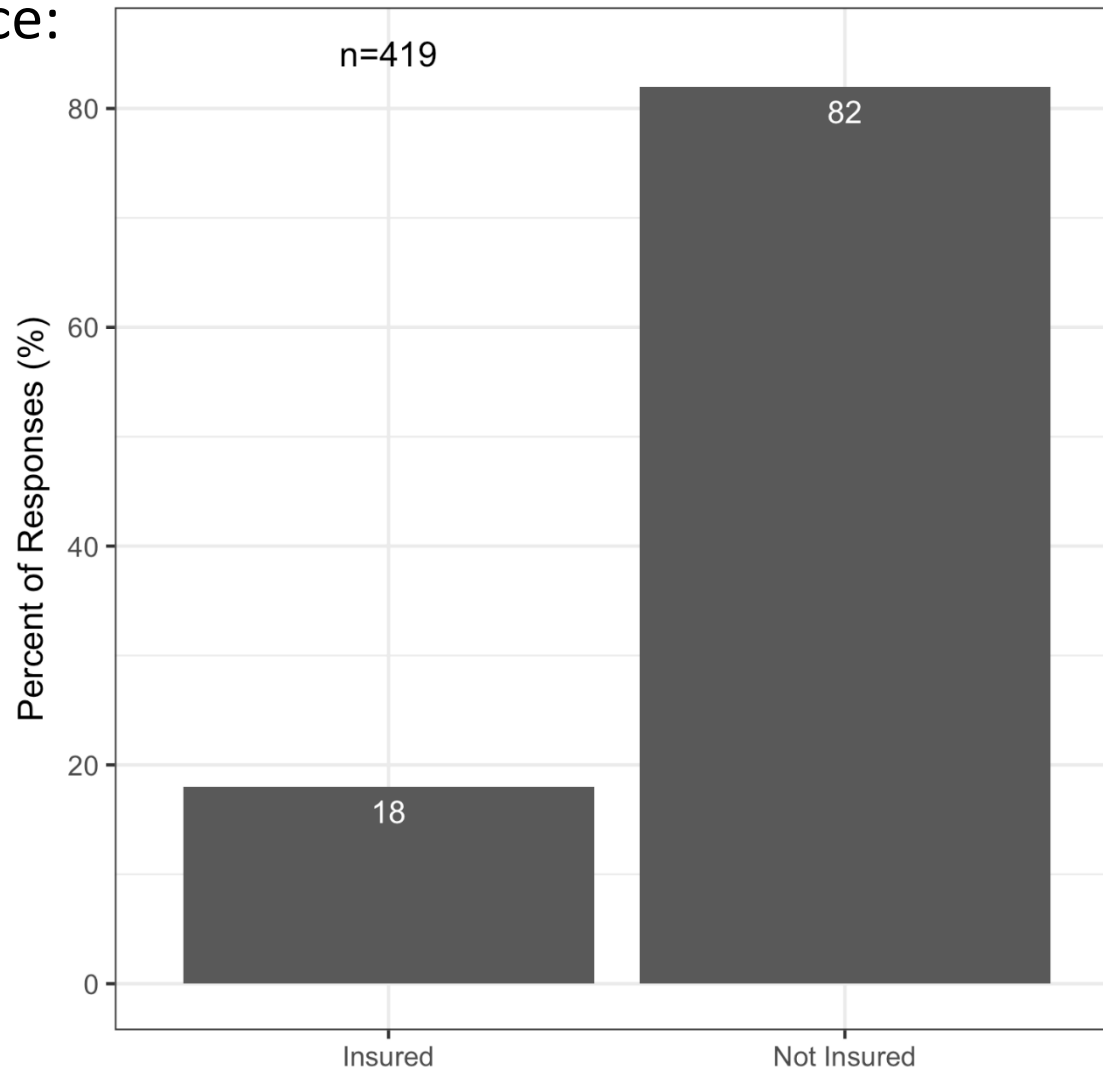
# Damage to Shoreline Protection: *Olcott, NY (Niagara County)*



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

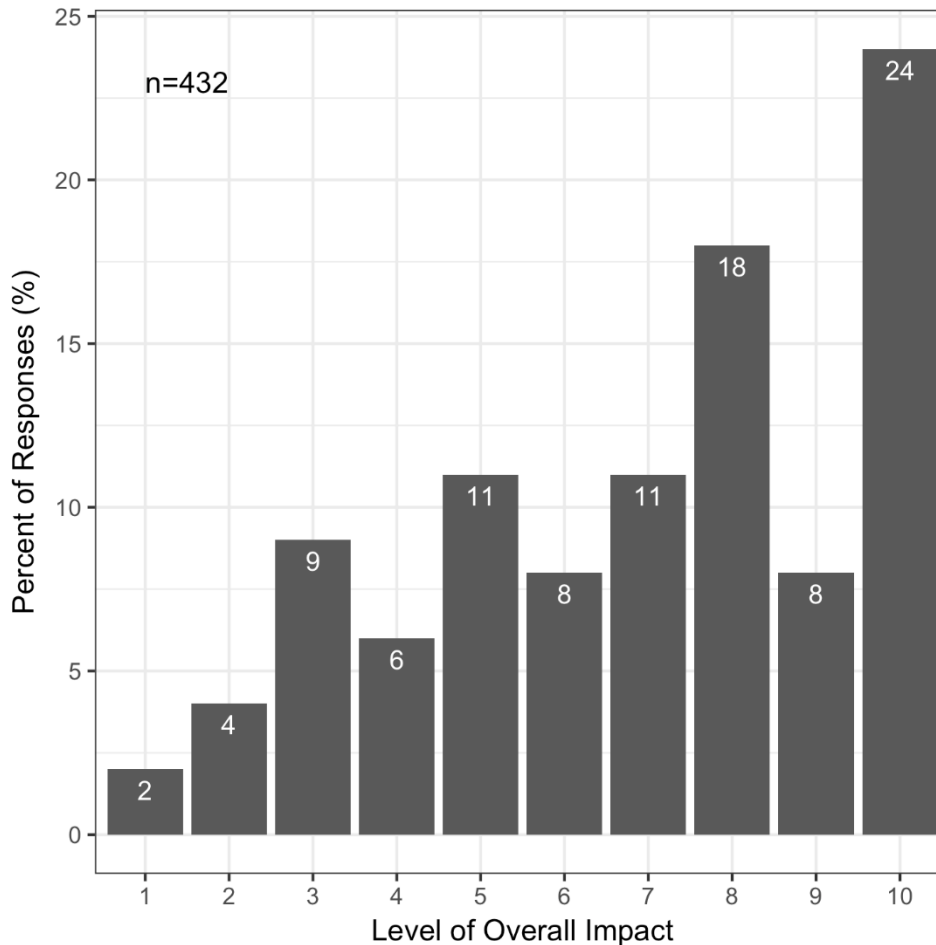
# Flood Insurance

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).



# Pictures

- 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



# Hilton, NY (Monroe County) on 5/20/17





# 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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