

# Risk Assessment Survey Results

- 45 questions about various social and environmental risks
- Received 43 responses
  - DI Shoreline: 30% (13 individuals)
  - Dames Quarter: 61% (26 individuals)
  - Oriole: 9% (4 individuals – additional data needed)
  - Harbor areas: 0%
- Results are not representative of the Deal Island Peninsula area

**Deal Island Peninsula Project Risk Assessment Site Worksheet**

*Background: Site assessments are crucial for gaining understanding of conditions in real time and on-location. Once true conditions are noted, resilience practices can be selected that provide benefits without creating adverse impacts.*

Please answer the following questions:

**SECTION 1: GENERAL QUESTIONS**

1) Today's Date: \_\_\_\_\_

2) Your Name & Email or Phone : \_\_\_\_\_  
\_\_\_\_\_

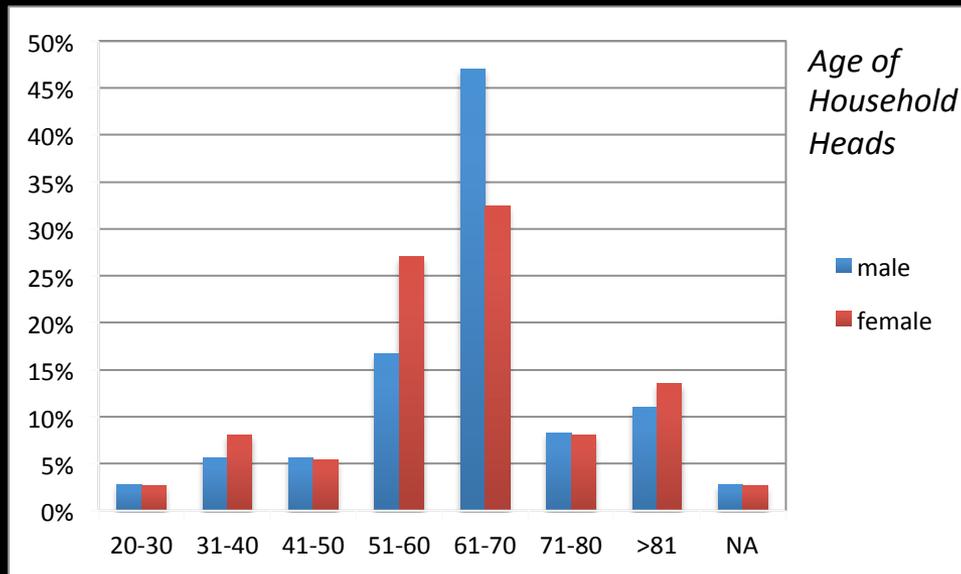
3) Focus Area:  Dames Quarter  
 Oriole  
 Deal Island Shoreline area  
 Harbors (Wenona, Deal Island & Scott's Cove)

4) Location or Address: (please include road name and other identifying characteristics)  
\_\_\_\_\_  
\_\_\_\_\_

5) Type of Site: (please check all that apply)  
 residence  
 commercial building  
 roadway  
 roadside ditch  
 non-roadside ditch  
 shoreline  
 other: \_\_\_\_\_

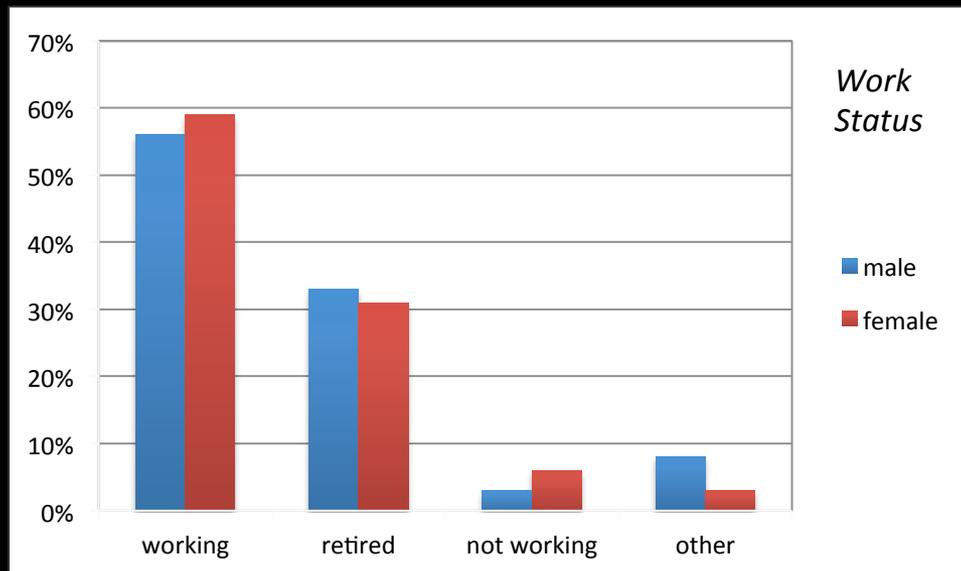
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# Respondent Demographics



## Residency Type

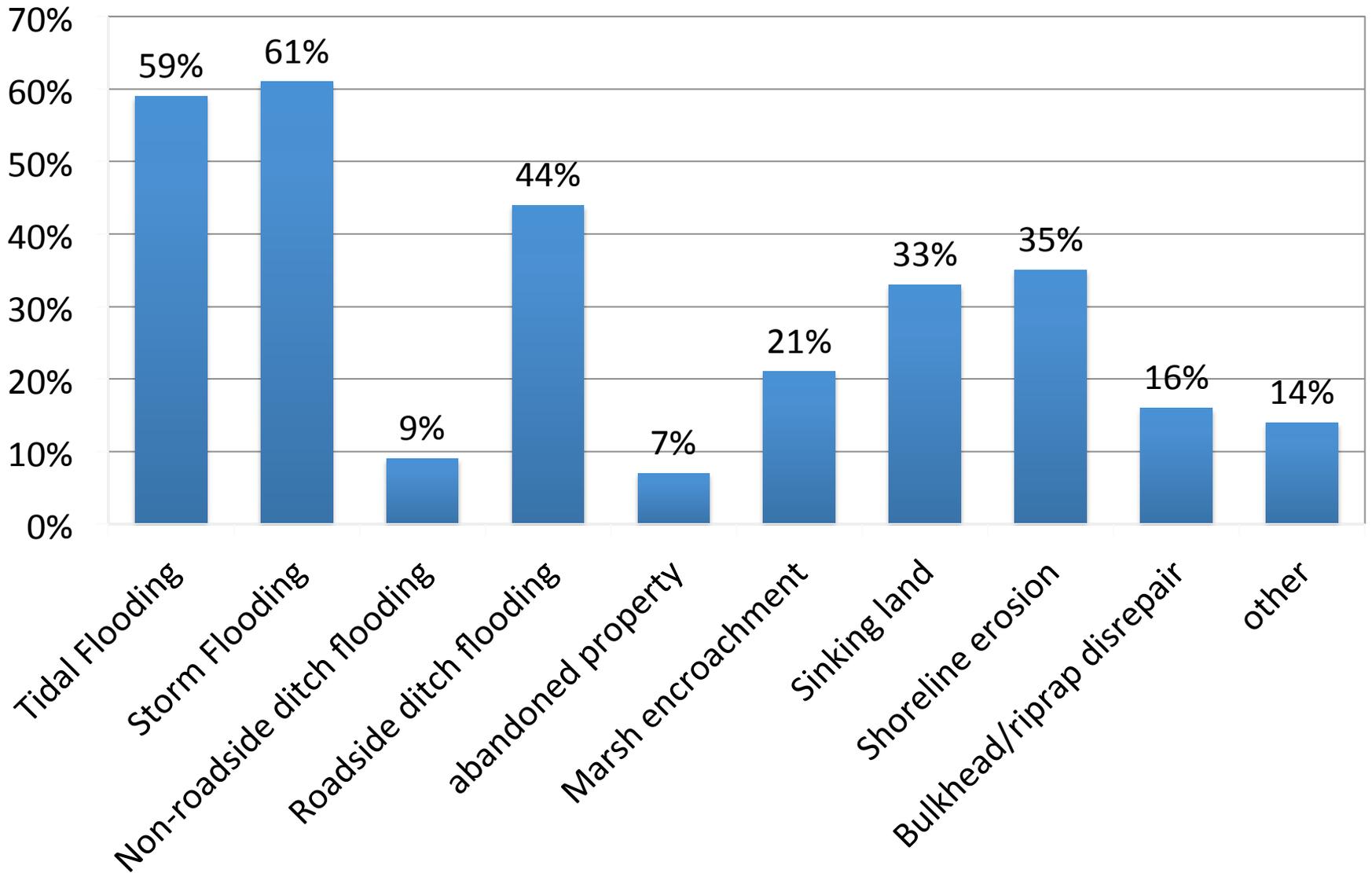
- 75% Full time year-round
- 10% Part time year-round
- 8% Full time seasonal
- 5% Part time seasonal
- 3% Other



## Heads of Household

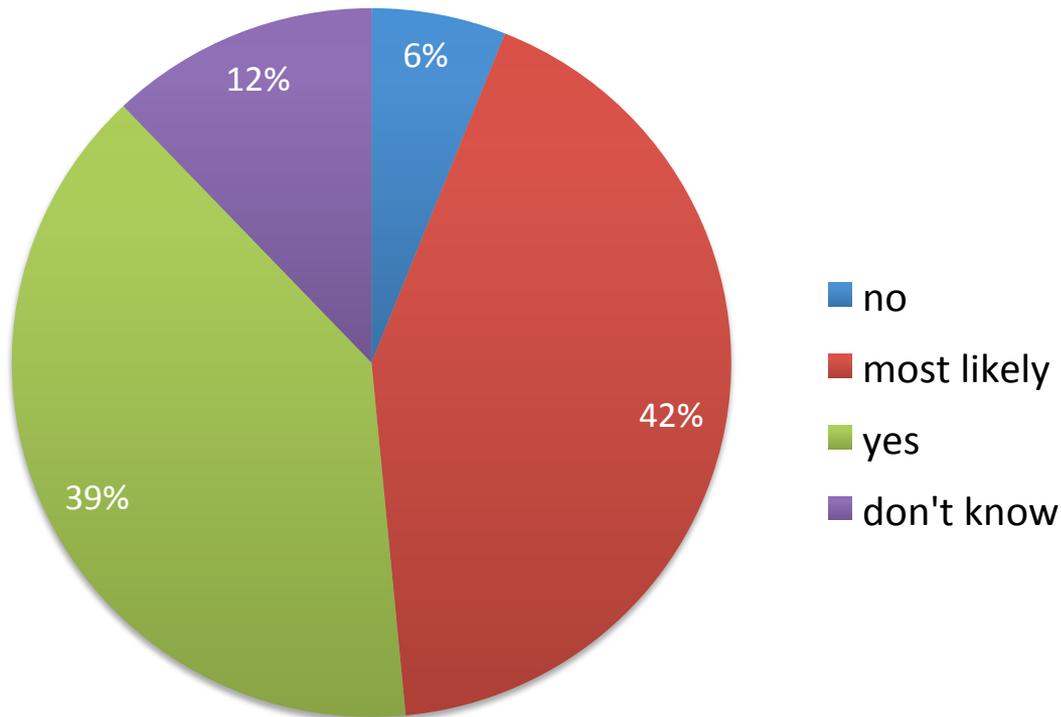
- 54% Moved Here
- 26% Born Here
- 21% Born Here + Moved Here
  
- 31% males employed in community vs. 19% of females

# Overall Concerns of Respondents



# Social Vulnerabilities

*Financial Capable of Handling Moderate Storm?*



11% have children under 18 living at home

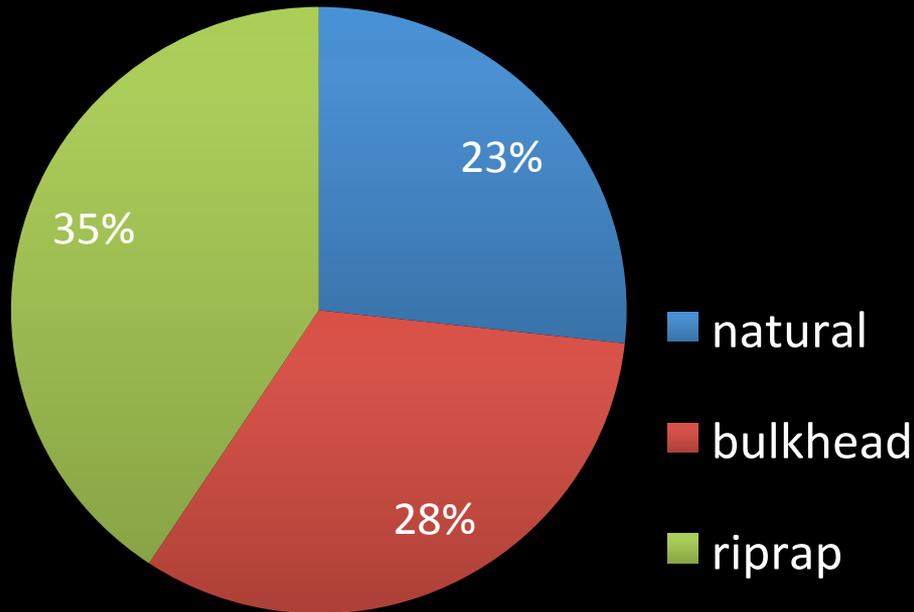
18% have elderly/disabled individuals living at home

# Property Vulnerabilities

- 95% own property
- 77% respondents' primary structure is elevated 3ft or less
- At least 53% said their house is in the floodplain
- 47% have no flood vents
- 33% have a non-elevated HVAC unit
- 50% have a free-standing propane tank, but only 44% of these tanks are anchored (16% unsure)
- 80% have more than one structure

# Shoreline Vulnerabilities

## Shoreline Types



54% live adjacent to a shoreline

60% reported shoreline is in good condition

## Where are the Problems?

### Bulkhead:

- 25% missing filter cloth
- 42% missing boards
- 25% holes behind bulkhead

### Riprap:

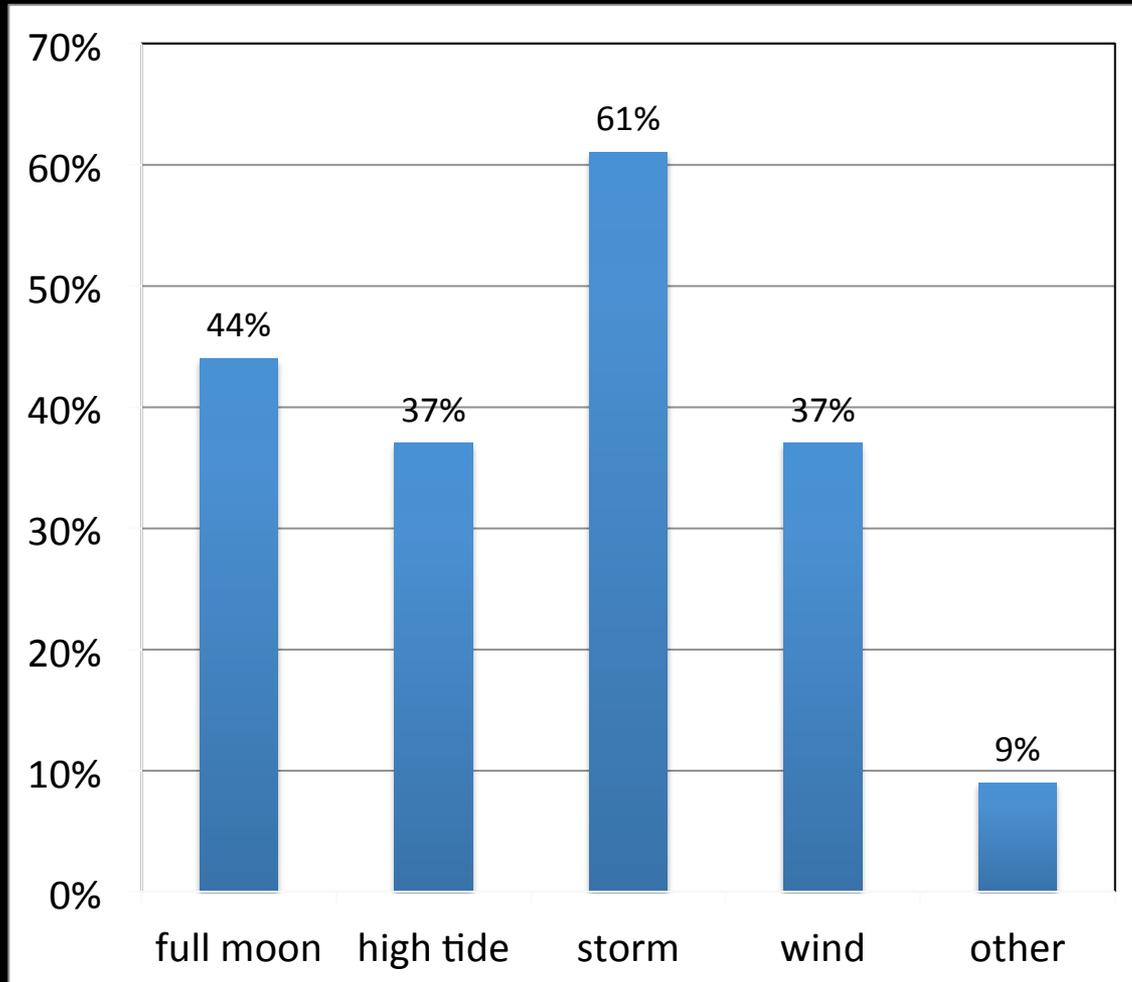
- 27% damaged/misshapen
- 27% holes behind their riprap
- 53% people are missing rocks

### Natural Shoreline:

- 10% undercut shoreline
- 60% some erosion
- 0% significant erosion

# Flooding Vulnerabilities

## *What Causes Flooding?*



49% have had flooding in the past month

32% said this flooding was 6+ inches

## Unusual flooding events:

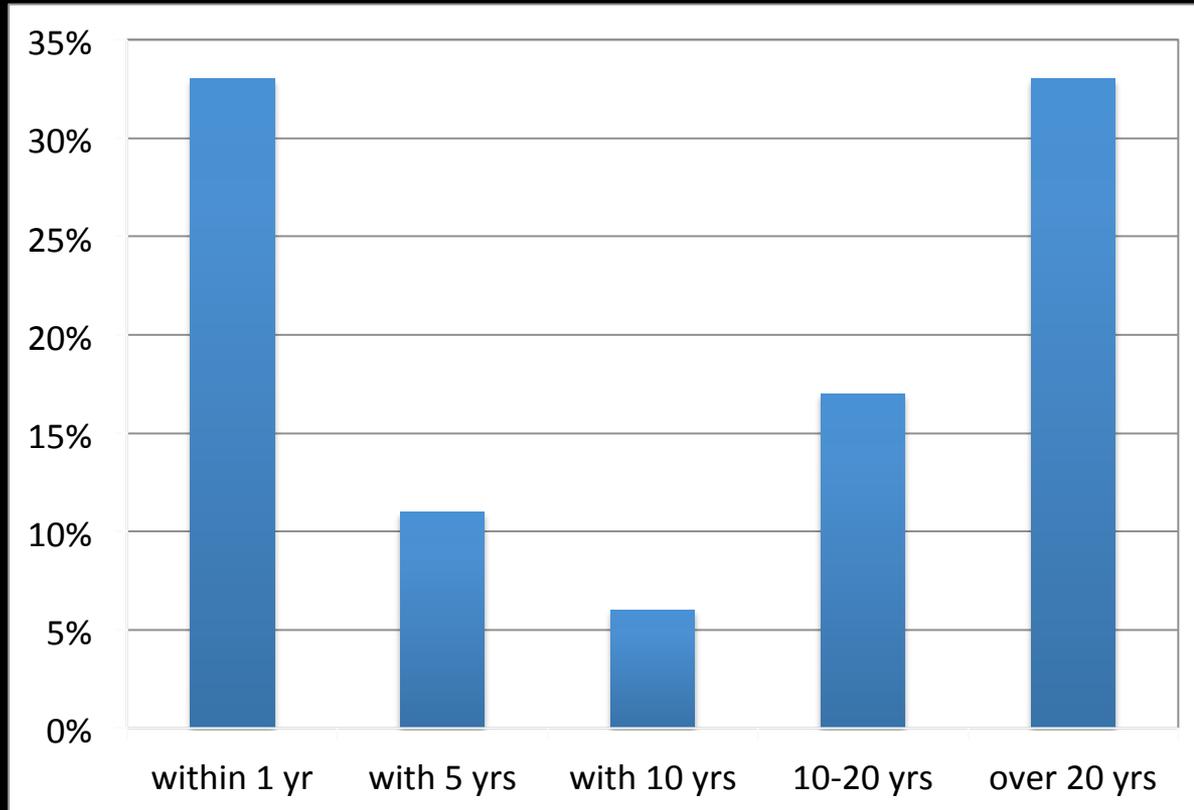
- Significant storms (e.g., hurricanes)
- Snow storms

## Damage from Past Flooding:

- 35% - Minimal
- 28% - Moderate
- 35% - Significant

# Ditch Conditions

## *Frequency of Ditch Cleaning*



47% have roadside ditches

27% have non-roadside ditches

37% had ditches filled with water at time of survey

50% have ditches 2ft or larger