

Updated Steps to Resilience Workflow

Step 1 : Explore Climate Threats

Did you know?

Step 2 : Assess Vulnerability & Risks

Why should we care?

Step 3 : Investigate Options

Step 4 : Prioritize Actions

Step 5 : Take Action

What can we do about it?

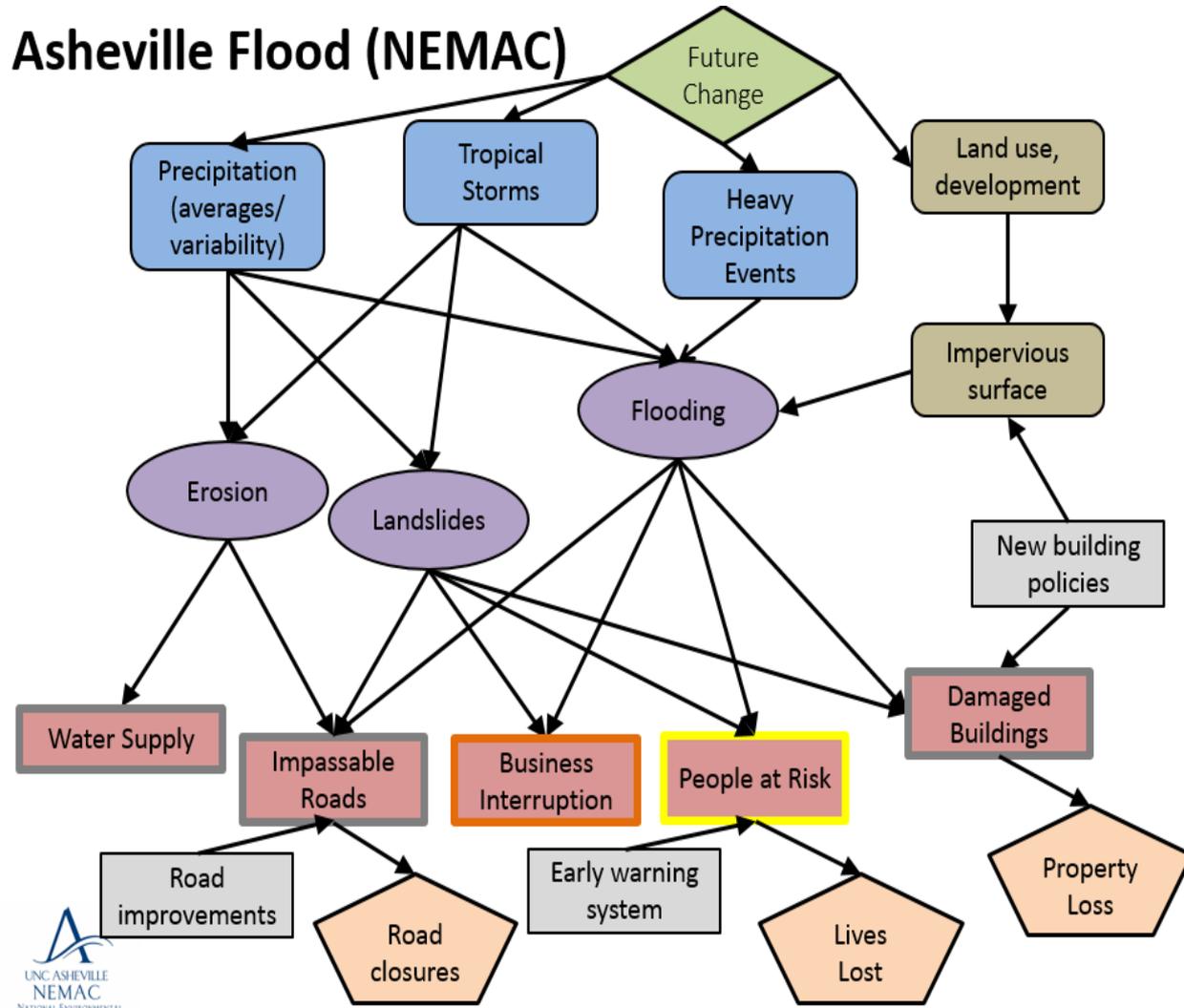
Step 1: Explore Climate Threats

Existing Hazards and Changing Climate defines the threats

- Flooding
- Landslides
- Drought

Includes Non-climate factors

Importance of linking Asset/Threat pairs



Conceptual Model for Understanding the Problem (from SSDN Workshop)

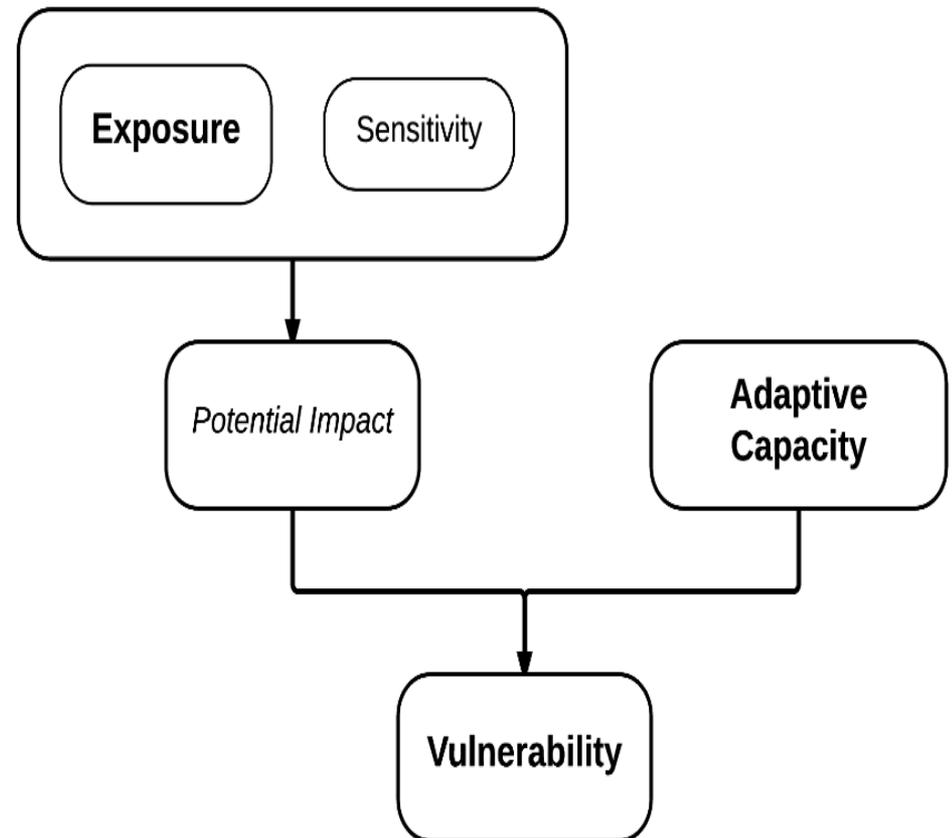
Step2: Assess Vulnerability and Risk

Understanding the **susceptibility** of societal assets due to **physical** and **social** factors.

Two Primary Concepts:

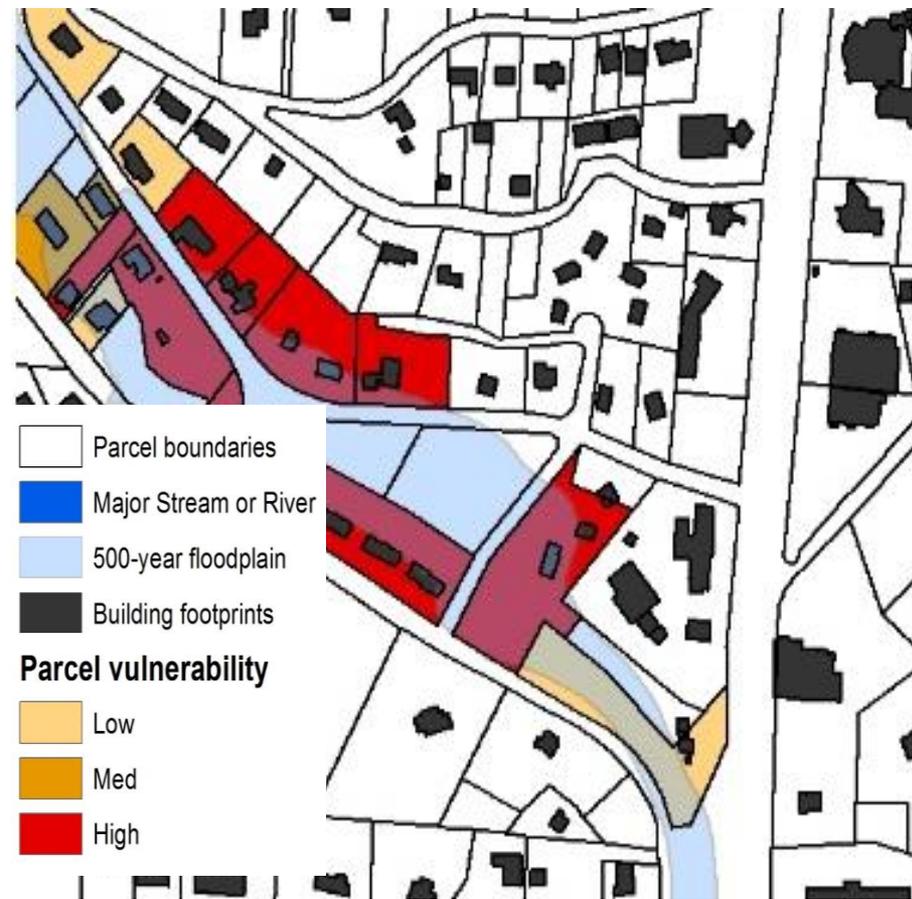
Exposure: the presence of assets in relation to a hazard

Adaptive Capacity: the ability to cope with impacts

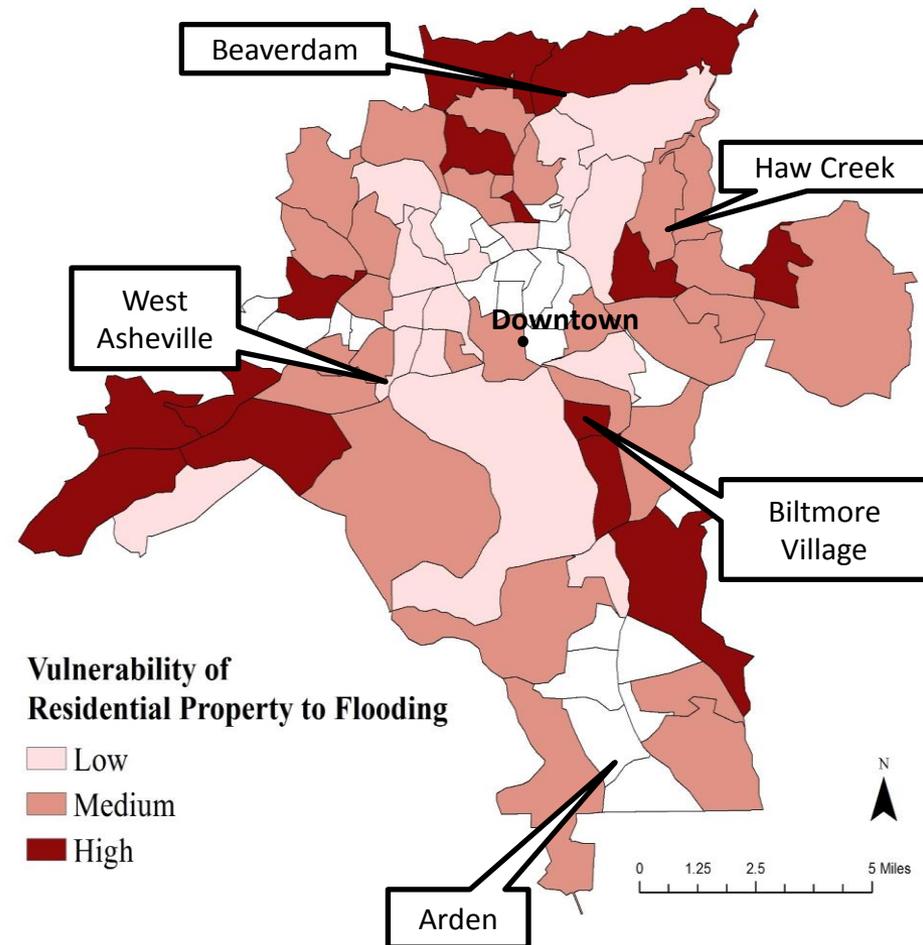


Areas of Vulnerability linked to Asset/Threat Pairs

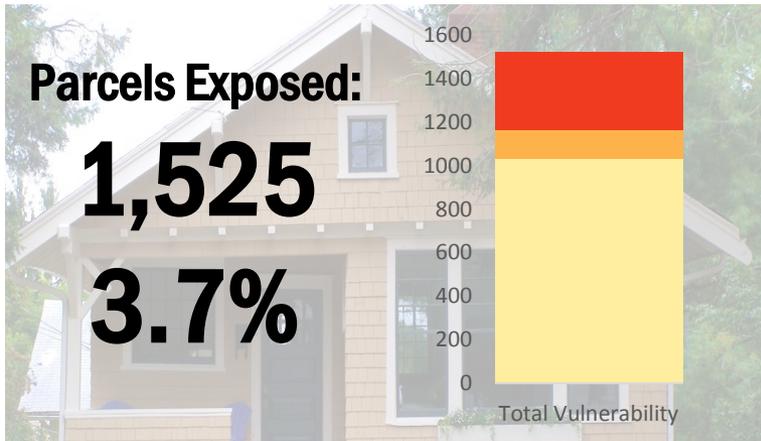
Individual Parcels



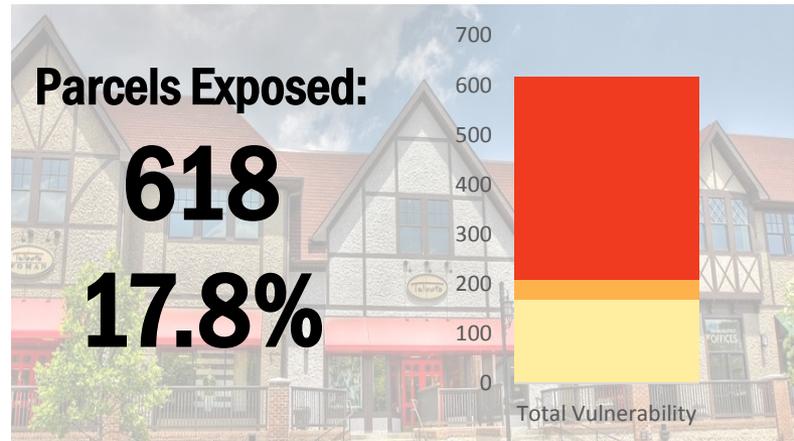
Census Block Groups (Neighborhoods)



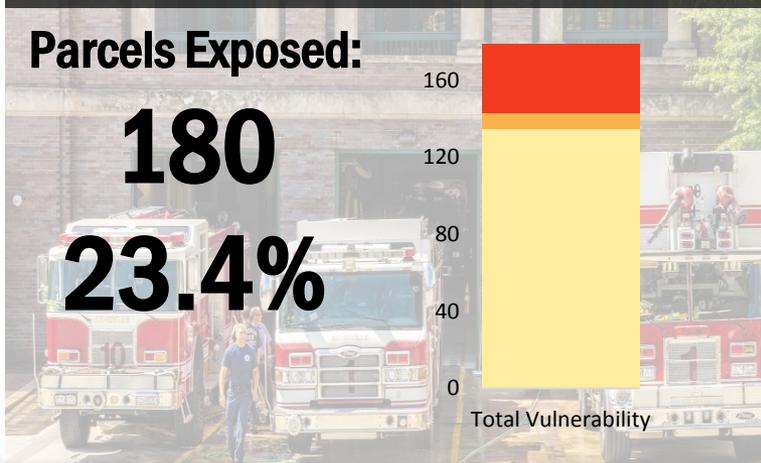
Vulnerability to Flooding



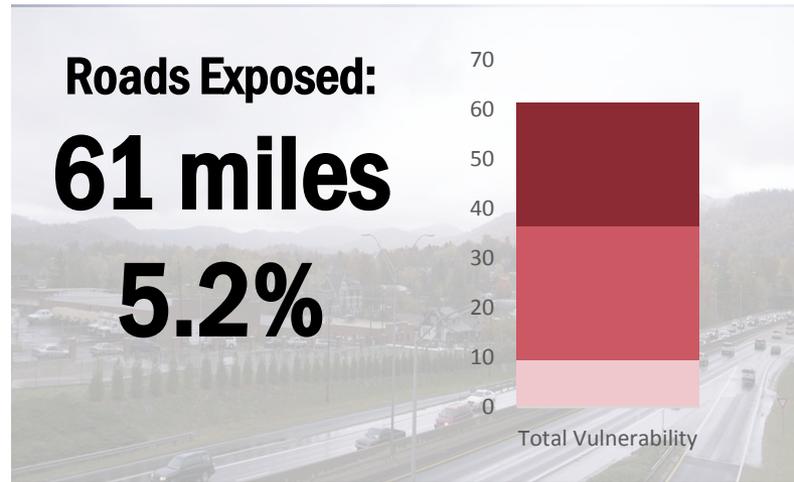
Residents and Residential Property



Commercial Property



Community Services



Roads and Mobility



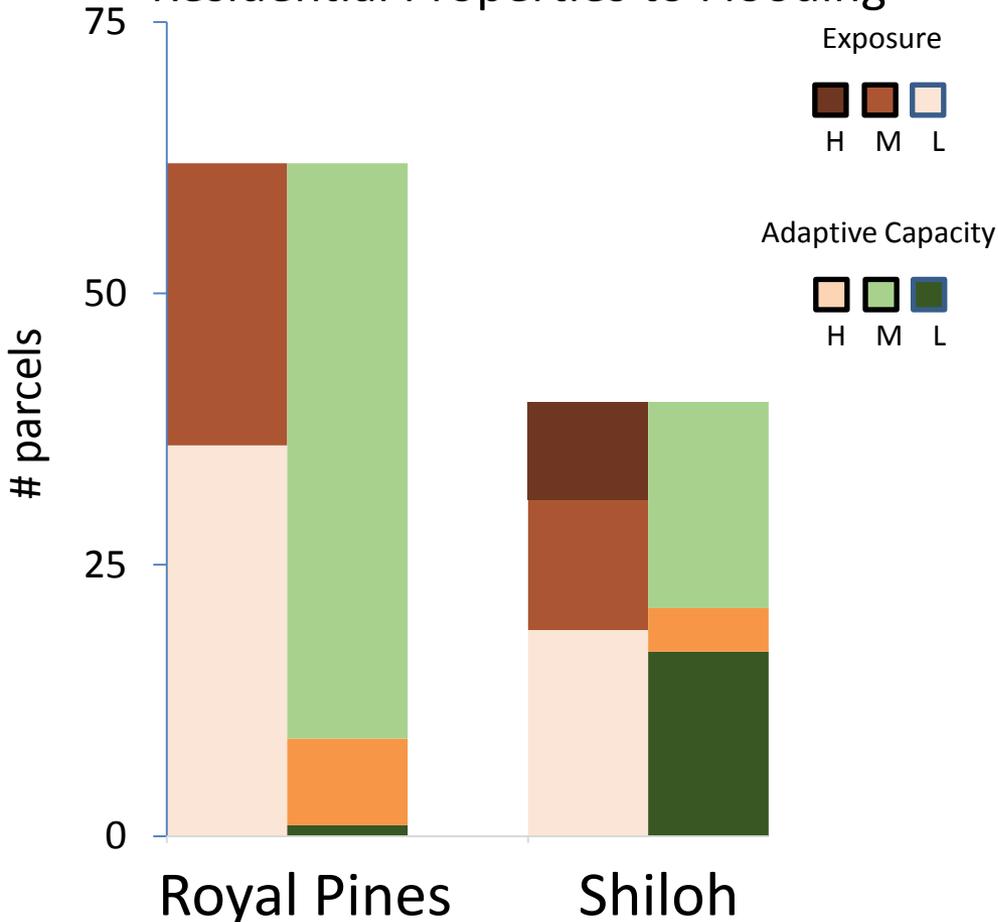
Step 3: Investigate Options

Workshops with city staff on using information from Steps 1 and 2 to identify options

- Focus on the assets and services that have the highest risk
- Identify feasible options
- Benchmark other communities through the US Climate Resilience Toolkit

Step 4: Prioritize Options

Parcel-level Exposure and Adaptive Capacity of Residential Properties to Flooding



- Reduce exposure or increase adaptive capacity?
- Target areas based on total number exposed or the few that are most vulnerable?
- How do we prioritize?

Step 4: Prioritize Options

Final Workshop—City staff will use information from Phase I & II to prioritize options

- Focus on the Asset/Threat pairs that have the highest vulnerability and risk
- Prioritize options based on several criteria

Example: Consolidate and prioritize selected options

	Ability to increase resilience	Economic feasibility	Low environmental impact	Ability to implement
LSE-2	●	● ●	● ●	●
MD-1	●	●	● ●	● ●
MD-7	●	●	●	●
MD-4	●	●	●	●
MD-4 / MD-7	●	●	●	●

A useful group exercise is the construction of a “traffic light” table. Columns show key goals the group considers to be important for their community. A “green light” is then assigned to options that meet that goal, a “caution light” is assigned for options that may encounter obstacles, and a “red light” is used for a non-starter. Options that have green lights in all columns can be immediately pursued.



Meet the Challenges of a Changing Climate

Find a framework and tools to understand and address climate issues that impact people and their communities.

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CLIMATE IMPACTS >](#)

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