How Assessments Can Inform—and Empower—Community Resilience

Key findings in working with communities

Matt Hutchins, Karin Rogers, Jim Fox, Nina Hall

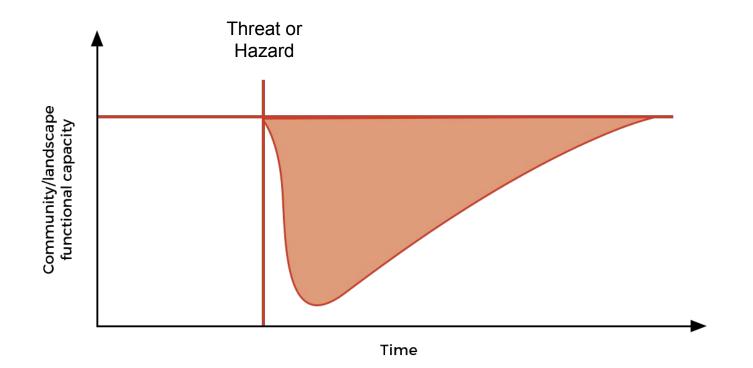


Key questions

- → What are the key elements to include in an assessment, and why?
- \rightarrow How are they tailored to the needs of a community?
- → What types of projects or strategies do they inform?

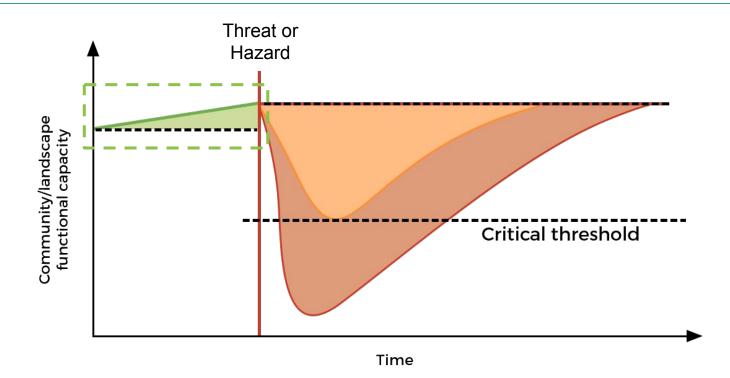


Threats impact our community capacities



Modified from Resilience Loss Recovery Curve, Source: White et al. (2015), p. 203, Adapted from model derived by M.E. Hynes, b. Ross and CARRI (2008), presented at the DHS University Summit, Washington, DC

Resilience is investing now for a better future

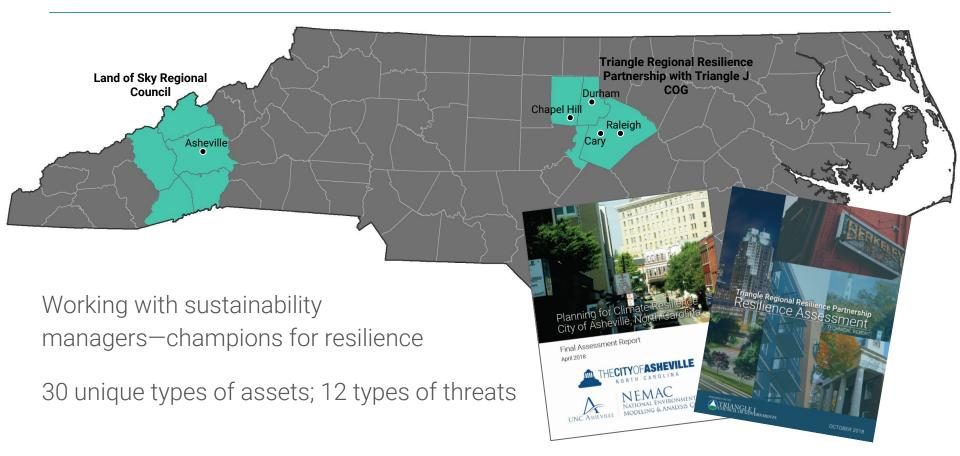


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Steps to Resilience



Climate Resilience Assessments





Three key assessment elements



Assessments must be useful and usable.

- Communities should be part of the assessment process.
- Assessments should include the unique characteristics of the community.
- The assessment process develops a shared understanding.



2 Consideration of vulnerability and risk (at local level)

Vulnerability

- Potential impact
- Adaptive capacity

Risk

- Probability
- Consequence



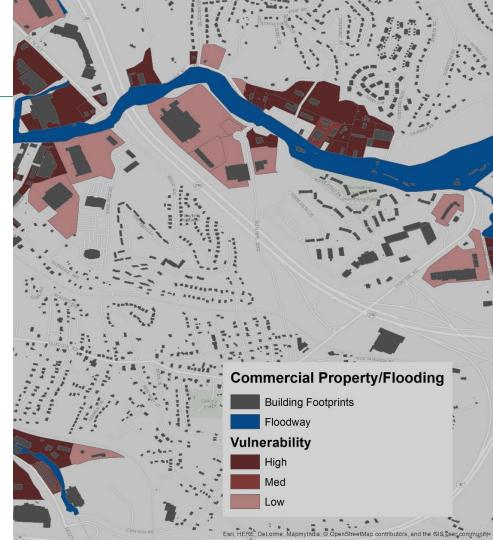
Policy-relevant

Example: Floodplain Development Ordinances

- Base Flood Elevations (BFE) and floodproofing as adaptive capacity for properties/flooding
- Development practices vary across jurisdictions

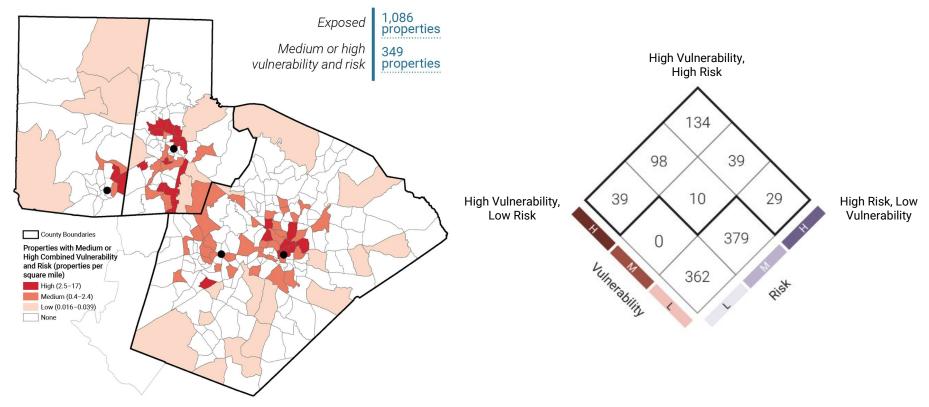
Example: Emergency Response Drive Times

• Measure of adaptive capacity for wildfire



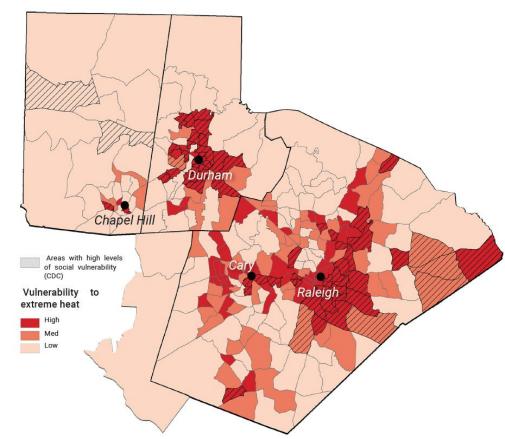
Focus on the most vulnerable and at-risk

Example: Commercial Property-Flooding (Triangle Regional Resilience Partnership Resilience Assessment)



3 Recognition of social vulnerability

- Social vulnerability is an important consideration for all threats
- Considered as a key determinant of vulnerability
- Highlighted in assessment products

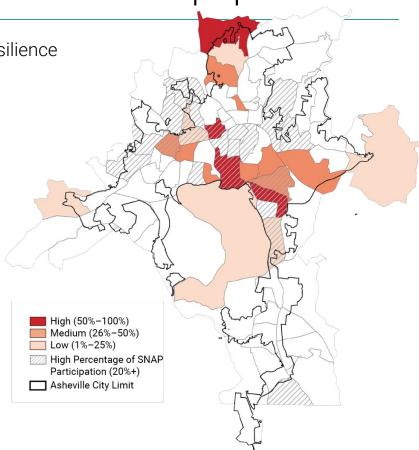


Disproportionate impacts to vulnerable populations

Example: Food Locations-Flooding (City of Asheville Resilience Assessment)

Most vulnerable and at-risk are:

- Families participating in SNAP, and
- SNAP retailers are vulnerable to flooding.
- Three areas where majority of SNAP retailers could be affected.



Assessments provide a foundation to inform resilience planning, projects, and strategies.

Identify Options: Target all aspects of vulnerability



Reduce Exposure



Build Adaptive Capacity



Protect Sensitive Systems or Populations



Assist with Response and Recovery

Types of strategies and projects

- Ordinances/design standards
- People and communities
- Hazard mitigation and emergency response
- Infrastructure improvements
- Partnerships and stakeholders



Communication and outreach

- Strategies for general public to consider for building resilience
- Increase awareness and focus on preparedness
- Ability to reach out to specific audiences and neighborhoods



Summary

- Assessments can evaluate how threats impact community capacities
- Three key elements
 - Transparency
 - Consider vulnerability and risk
 - Recognize social vulnerability
- Foundation for options (strategies and projects)
- Provide basis for communication and outreach

Thanks!

Matt Hutchins, Resilience Analyst mhutchins@nemacfernleaf.com

