

DISASTER VULNERABILITIES ASSESSMENT WORKSHEET

ANTECEDANT CONDITIONS		PLACE BASED VULNERABILITIES				ASSESSMENT	RECOVERY
HAZARD	PRE CONDITIONS INHERENT OR BUILT	ECONOMIC VULERNABILTIES	SOCIAL VULNERABILTIES	BUILT ENVIRONMENT LIMITATIONS	POLITICAL VULNERABILTIES	EXTERNAL ASSESSMENT DOCUMENT	Market Enhanced Governance. Coping Capacity/Mechanism
Flood							
Tornado							
Severe Weather (ICE)							
Wildfires							
Earthquakes							

Disaster Resilience Of Place (DROP) Model – Cutter (2008)

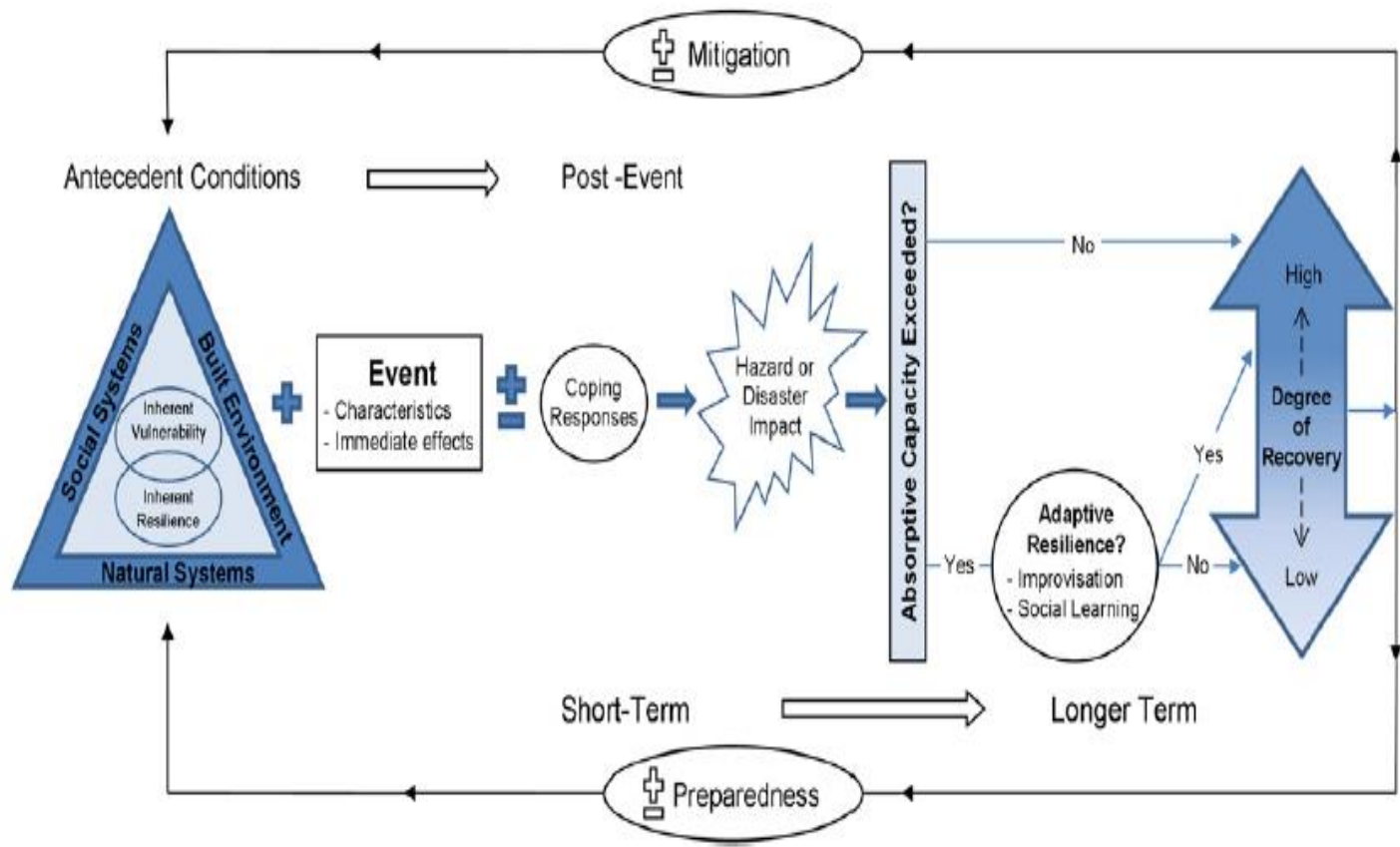


Fig. 2. Schematic representation of the disaster resilience of place (DROP) model.

Table 1
Community resilience indicators

Dimension	Candidate variables
Ecological	Wetlands acreage and loss Erosion rates % impervious surface Biodiversity # coastal defense structures
Social	Demographics (age, race, class, gender, occupation) Social networks and social embeddedness Community values-cohesion Faith-based organizations
Economic	Employment Value of property Wealth generation Municipal finance/revenues
Institutional	Participation in hazard reduction programs (NHP, Storm Ready) Hazard mitigation plans Emergency services Zoning and building standards Emergency response plans Interoperable communications Continuity of operations plans
Infrastructure	Lifelines and critical infrastructure Transportation network Residential housing stock and age Commercial and manufacturing establishments
Community competence	Local understanding of risk Counseling services Absence of psychopathologies (alcohol, drug, spousal abuse) Health and wellness (low rates mental illness, stress-related outcomes) Quality of life (high satisfaction)

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Flood	Keystone Lake Tulsa Levee Flash Flooding	Industrial – 2B Tax Base Gathering Place	84/86 Impacts Age, Disability, Language Barriers. Contingency locations	Blocked evacuation routes. Evacuation Mass Warning Lack of Supply's	Levee Tax 10K People Evacuation Public Education	USACE-SQRA USACE SWIF MDP Tulsa 100 Resilient City	500M in Mitigation Projects. Community Outreach. VOAD Planning. Recovery Team Plan. Grants and HM funding execution.