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NON-COMPETITIVE

City and County of Denver Hazard Mitigation Plan – Story Map

An interactive Esri story map and web application was developed to supplement information in the 2022 Hazard Mitigation Plan for the City and County of Denver and Denver Water, including information about the City's 21 natural and human-caused hazards. The story map displays general information, statistics, and examples of each hazard category. The story map also links to an Esri web application that displays spatial data and allows users to explore the risk of a given hazard in their area. Localized hazards such as urban heat islands, wildfire risk, expansive soils, and flooding were analyzed to determine the risk of every residential or commercial building in the city. 2020 census data was also included to estimate the population of each structure impacted. The goal of creating the story map and web application was to summarize the over 500-page plan and engage the citizens of Denver to make them better aware of hazards in their community. The Denver Hazard Mitigation Plan guides mitigation activities in a coordinated, efficient, and equitable manner across the whole community. The goal is to integrate mitigation into all public and private initiatives and emergency plans. This will reduce losses to the people, infrastructure, environment, and economy of the city. Updating the plan every five years also ensures the City remains eligible for federal mitigation assistance.

Presentation Theme: Theme of using GIS tools and apps to enable Emergency Managers to share hazards in the community with citizens.

Collaborators, Advisor(s) and Department(s) that assisted with this research: City and County of Denver, Courtney Bernet - Senior Emergency Management Specialist
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