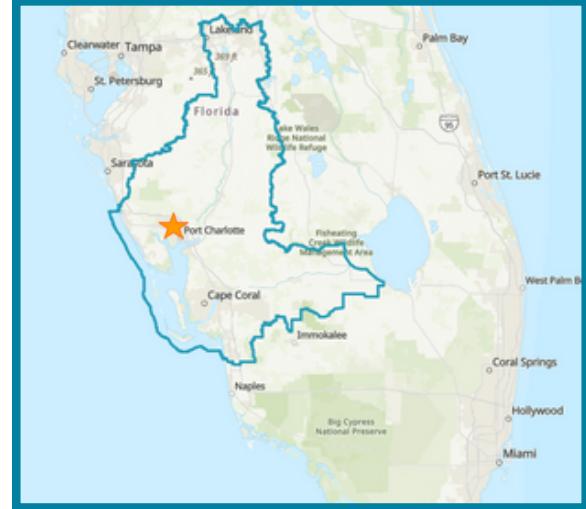


Charlotte County Comprehensive Vulnerability Assessment



HYDROLOGIC RESTORATION



Summary

The Coastal & Heartland National Estuary Partnership (CHNEP) is funding a *Charlotte County Comprehensive Vulnerability Assessment* (CVA) to enhance community resiliency in Charlotte County. The CVA is designed to meet standards outlined by the Florida Department of Environmental Protection, making the County eligible for additional state funding.

The CVA report will identify key local governmental facilities and infrastructure and assesses how vulnerable those county “assets” are to flooding (i.e. tidal surge, increased severe storms including high winds and extreme rainfall) and other stressors such as extreme heat. This information is then used to identify specific projects and actions needed to reduce those risks and adapt those assets to be better able to withstand these stressors, such as potentially raising roads or bridges in certain locations.

CHNEP also plays a vital role in enhancing community resiliency by bringing federal, state, and local governments together to share resiliency knowledge and technologies, as well as implement resiliency projects across jurisdictional boundaries. This information sharing, funding, and technical assistance is allowing CHNEP to further resiliency efforts in Charlotte and the other 9 counties it serves.

Location: Charlotte County

Partners: Charlotte County

Implemented: 2024

Status: Ongoing

CHNEP Cost: \$200,000

Funding Source: EPA BIL

CHNEP Plan Activity: 

Hydrologic Restoration 3.3: Develop and support implementation of vulnerability assessment and adaptation plan recommendations to protect water quality and hydrology. Participate in regional collaborations to address vulnerabilities identified in vulnerability assessments and increase resiliency.



Project Elements

Data Collection and Analysis

An inventory will be taken of critical County and community assets including things like health care facilities, government buildings and libraries/community centers, schools, water/wastewater facilities, public safety facilities (police, fire, etc.), energy facilities, parks and natural areas, as well as roads and evacuation routes. The most up to date information on current and future rainfall/tidal flooding and storm surge will be used to project potential impacts to those critical assets from future flooding, storms and other events. The projected level of impact to these critical community assets will help the County prioritize critical action areas and plan projects to protect them.

Public Meetings

As part of this process, three public meetings will be held: an initial town hall to gather feedback and answer questions before starting data collection, a draft vulnerability assessment meeting to receive input on the drafted document, and a final vulnerability assessment meeting with the Board of County Commissioners to present and gain approval of the final document.

Draft and Final Vulnerability Assessment Report

The draft and final Comprehensive Vulnerability Assessment report will include maps of critical assets, providing the necessary foundation for the County and its partners to identify funding needs and to implement projects that reduce risks to critical county infrastructure and facilities. This will enhance Charlotte County's resiliency, to be less flooded and impacted by future severe storms and extreme rainfall events.

CONTACT INFORMATION

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Uniting Central and Southwest Florida to protect water and wildlife