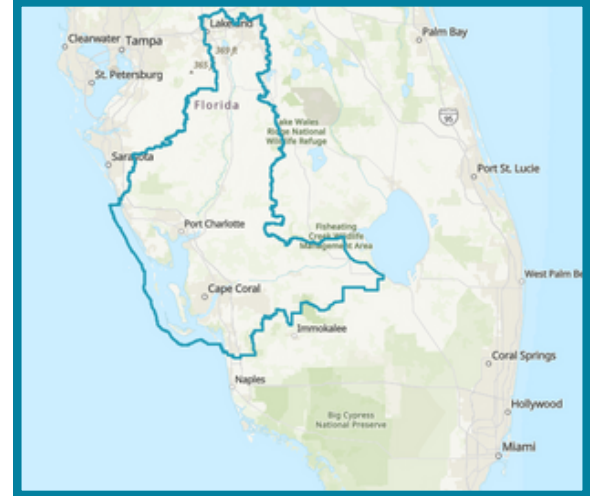
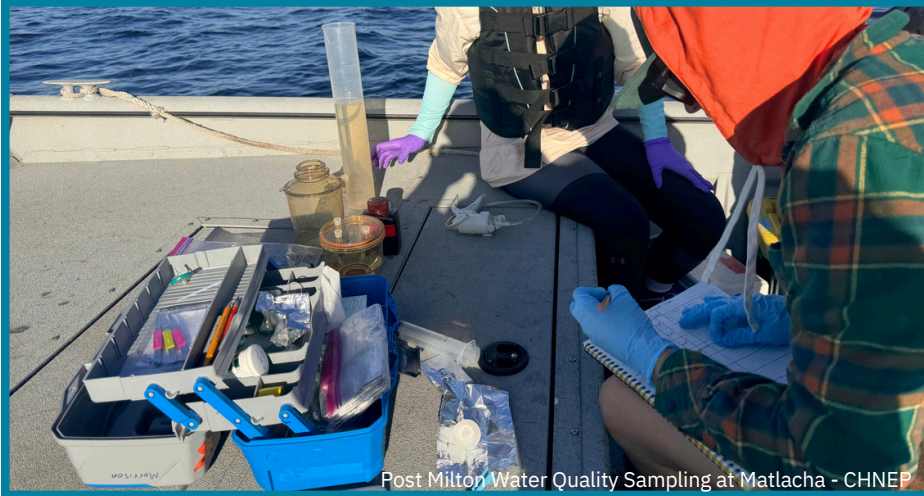


# Comprehensive Vulnerability Assessments

## HYDROLOGIC RESTORATION



### Summary

The Coastal & Heartland National Estuary Partnership (CHNEP) 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 local efforts across the 10 counties (Charlotte, DeSoto, Glades, Hardee, Hendry, Highlands, Lee, Manatee, Polk, and Sarasota) it serves.

As Central and Southwest Florida continue to experience environmental changes, further vulnerability assessments and adaptation plans are crucial to address and minimize related adverse effects to coastal and inland systems. The CVAs are designed to meet standards outlined by the Florida Department of Environmental Protection (FDEP), making each County eligible for additional state funding. The goal is to identify critical assets inventories and assess the vulnerabilities and risks to such assets for the purposes of preparing adaptation measures and projects to reduce those vulnerabilities and risks. CHNEP will fund different aspects of CVAs depending on county needs, including Adaptation Action Areas (AAA) plans, flood modeling, and more.

**Location:** 10-county CHNEP area

**Partners:** Counties, Central Florida  
Regional Planning Council

**Implemented:** 2022

**Status:** Ongoing

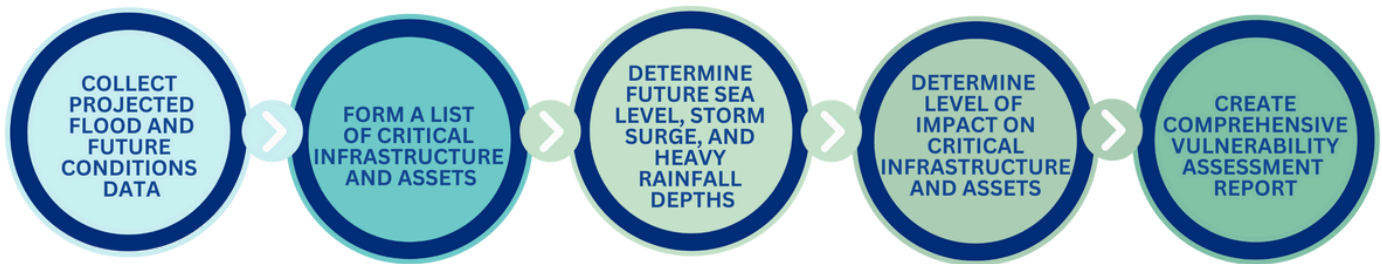
**CHNEP Cost:** \$1,200,000

**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.

# COASTAL & HEARTLAND NATIONAL ESTUARY PARTNERSHIP



## Project Elements

### Developing the Vulnerability Assessments

Inventories will be taken of critical County and community assets including 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 flooding 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 each County prioritize critical action areas and plan projects to protect them. The vulnerability assessment reports will include maps of critical assets, providing the necessary foundation for each County and its partners to identify funding needs and to implement projects that reduce risks to critical county infrastructure and facilities.



### Adaptation Action Area (AAA) Plans

In some counties, CHNEP will assist in developing Adaptation Action Area (AAA) Plans for areas deemed most vulnerable to potential impacts. AAAs can be identified and prioritized based on identified critical assets, exposure and sensitivity analysis, flood modeling, results of public meetings, input from the County, and guidelines from the Florida AAAs Planning Guidebook. Specific adaptation strategies and projects can be proposed for the top priority AAAs to address the threats identified in the County's Vulnerability Assessment.

## CONTACT INFORMATION

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Myakka Headwaters Preserve - CHNEP



More info at:  
[chnep.org/community-resiliency](http://chnep.org/community-resiliency)



*Uniting Central and Southwest Florida to protect water and wildlife*