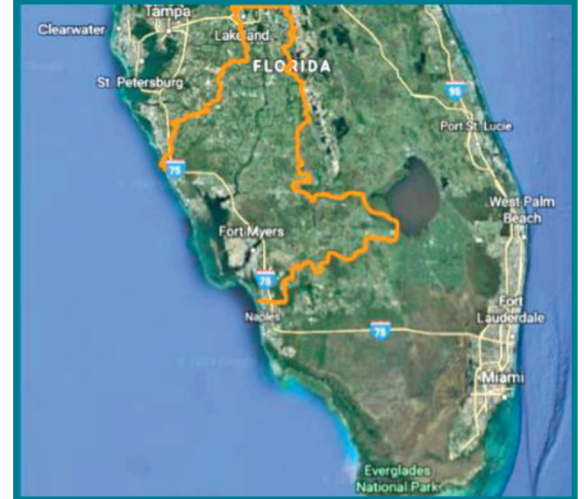
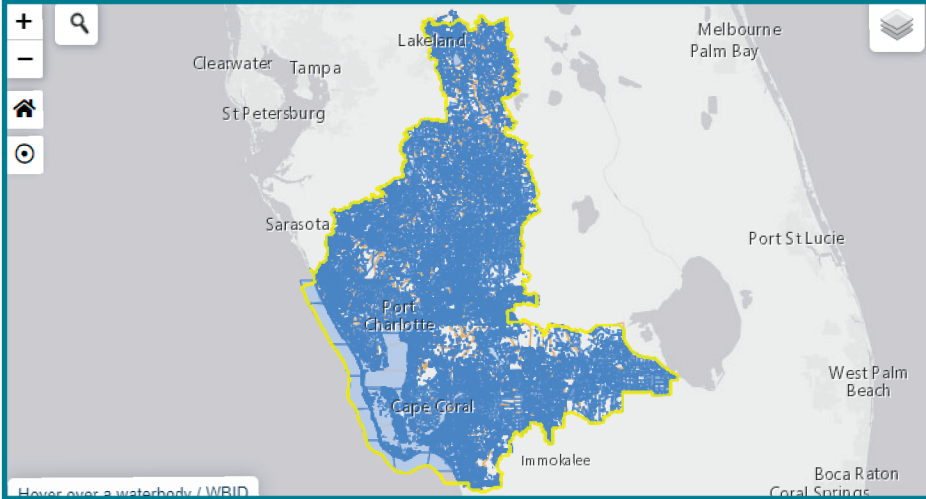


# CHNEP Water Atlas

## WATER QUALITY IMPROVEMENT



### Summary

The CHNEP Water Atlas is a web-based resource center providing both technical users and interested community members with a one-stop shop to find everything from water quality, flow, and habitat data to information about educational events and volunteer resources in Central and Southwest Florida. This site is a readily accessible way to find more information about local waterways with real-time and up to date data and water quality and flow trend information.

The site is a resource that the Coastal & Heartland National Estuary Partnership (CHNEP) continues to provide for local scientists, resource managers, elected officials, and the public through various user-friendly maps and charts. CHNEP provides the funding necessary to maintain and annually update the site to ensure continued access to water quality data and analyses. Outlined below are a few of the newest additions and improvements featured on the CHNEP Water Atlas.

### New Features and Enhancements

**Waterbody Pages:** New waterbody pages are presented with associated WBIDs and feature impairment status, criteria, water quality dashboard dials, associated data, and 4 interactive mappers for water quality, hydrology, wildlife/habitat, and resiliency/weather.

**Location:** CHNEP Area

**Partners:** University of South Florida Water Institute, Coastal Charlotte Harbor Monitoring Network, Lee County, CHNEP Management Conference Members

**Implemented:** 2011

**Status:** Ongoing

**CHNEP Cost:** \$110,417

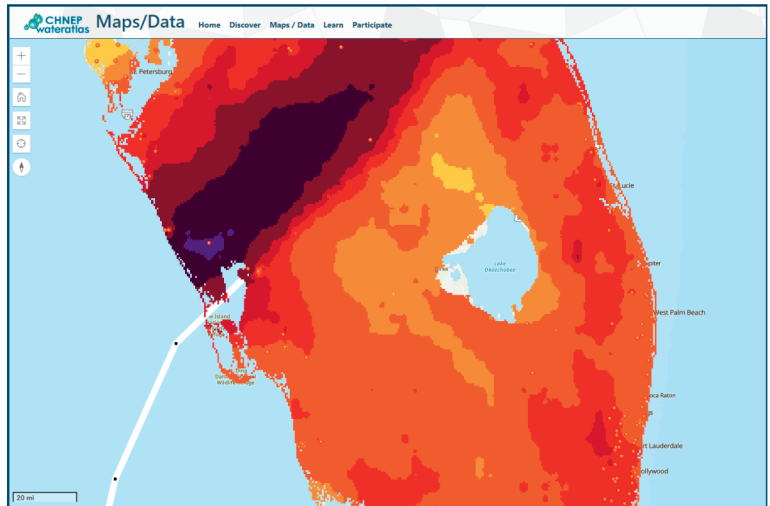
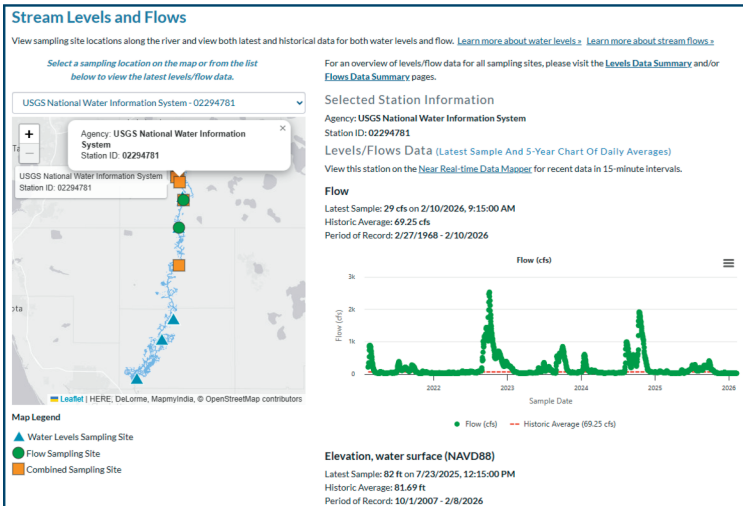
**Funding Source:** Environmental Protection Agency (EPA)

**2025 CHNEP Plan Activity:**



Water Quality Improvement 1.2: Support uploading and archiving of data in standard, common public databases, including FDEP's database and the CHNEP Water Atlas.

# COASTAL & HEARTLAND NATIONAL ESTUARY PARTNERSHIP



**New Basin Pages:** New basin pages are presented with associated Minimum Flows and Levels (MFL), habitat restoration needs and habitat evolution model results, annual rainfall totals, land use/land cover maps, economic valuation reports, and relevant CHNEP project information.

**Lake Okeechobee Waterbody Page:** This page provides impairment status and water quality criteria information for Lake Okeechobee WBIDs as well as shows recent lake levels and the corresponding rate of discharge of water into the Caloosahatchee River at S-77 and S-79, as compared to Lake Management Bands defined in the LOSOM and optimum ranges for ecological health.

**New Map Layers:** Several layers were recently added to the CCMP Maps including FDOT statewide wildlife crossings, USA flood hazard areas, statewide digital elevation model (DEM), FDEM elevation certificates, USA soils layers, and several layers related to recent hurricanes including Ian, Milton, and Helene.

**Water Quality Chart Improvements:** New water quality charts show a 6-month moving average and the threshold for each parameter, as well as period of record low, arithmetic mean, and high values.

**New Stream Levels & Flows Tools:** The Hydrology section on River pages now features a list of the sample locations and allows users to click on a sample location to see a map of the station location on the river, a summary table of POR statistics, and a graph of the water level/elevation and flow data from that sample location, including the POR low, arithmetic mean, and high values for elevation and flow.

Visit the CHNEP Water Atlas at [www.chnep.wateratlas.usf.edu](http://www.chnep.wateratlas.usf.edu)

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