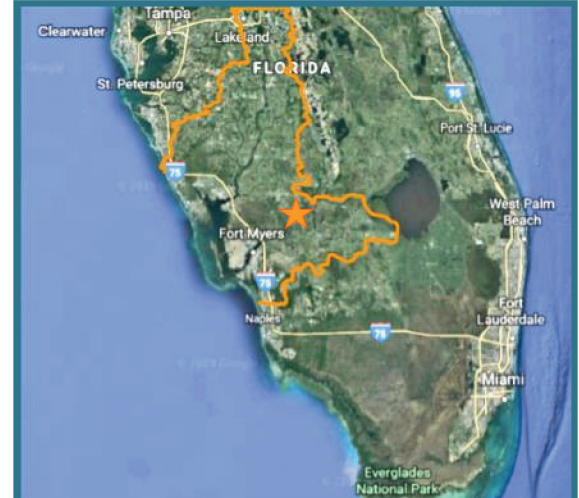
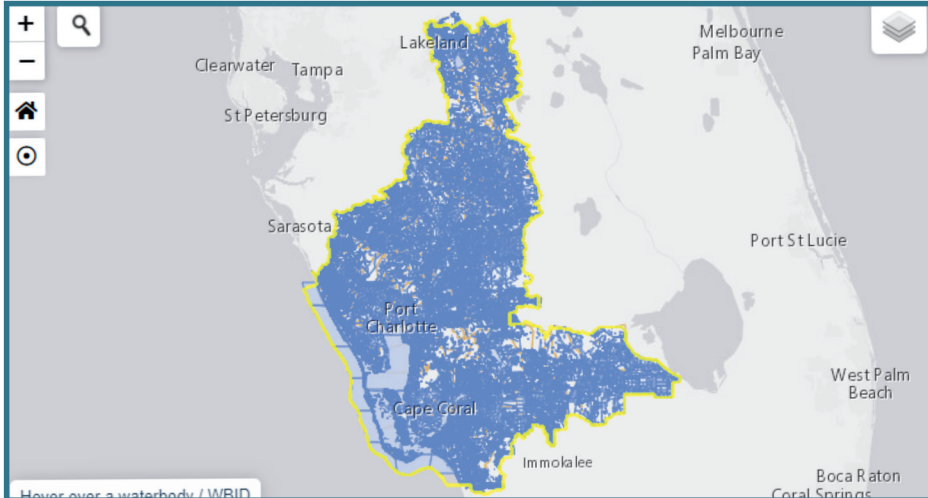


CHNEP Water Atlas

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 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 will be presented with associated WBIDs and will feature impairment status, criteria, water quality dashboard dials, associated data, and 4 interactive mappers for water quality, hydrology, wildlife/habitat, and climate change.

Location: CHNEP Area

Partners: University of South Florida Water Institute, University of Florida Center for Coastal Solutions (UF CCS), Coastal Charlotte Harbor Monitoring Network, CHNEP Management Conference Members

Implemented: 2011-Present

Status: Ongoing

CHNEP Cost: \$77,953

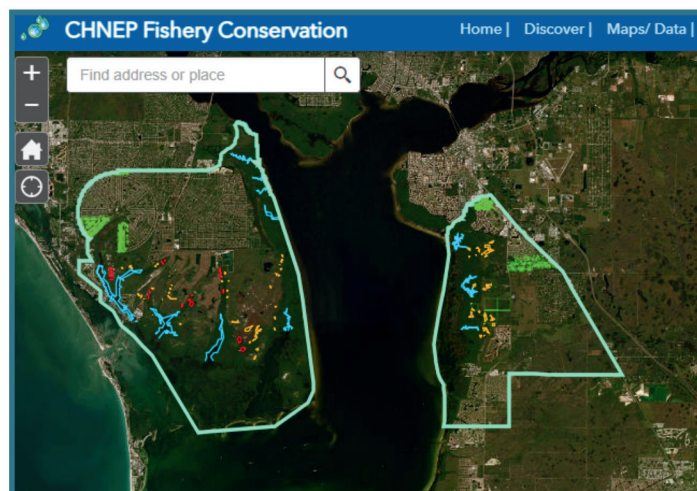
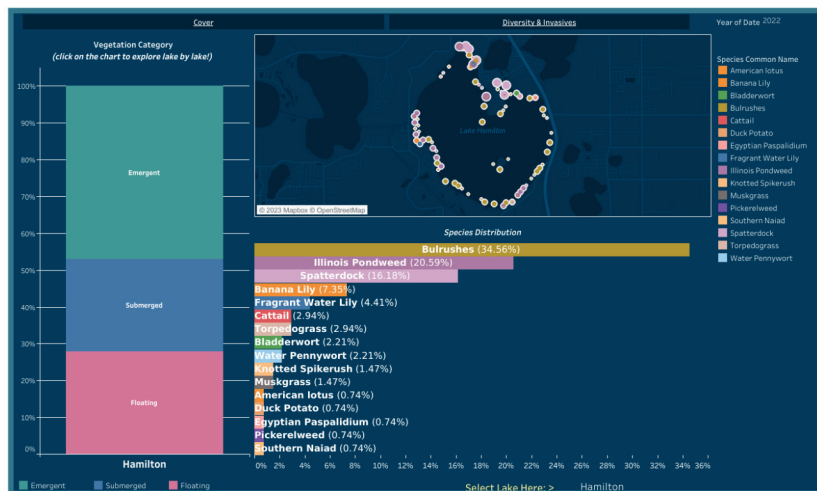
Funding Source: Environmental Protection Agency

2019 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



Fish Habitat Conservation Page: This page features information, data, and maps related to the Place-Based Recreational Fishery Conservation project.

Seagrass Maps: The CHNEP Water Atlas now features seagrass pages that include updated acreage and transect graphs, algae and epiphyte data, and an interactive mapper that features seagrass propeller scarring maps as well as seagrass and macroalgae aerial maps and data collected in the field and analysis to help users understand the importance of seagrass monitoring as an indicator of water quality and recovery.

Winter Haven Lakes Pages: Winter Haven lake pages feature a custom “Winter Haven Lake Assessments” component that breaks down the primary health metrics for water quality, hydrology, and aquatic biology that are compiled annually by the City of Winter Haven.

Numeric Nutrient Criteria (NNC) Calculator: This analysis tool estimates whether nutrient levels in each waterbody are meeting or exceeding regulatory limits.

Lake Okeechobee and Caloosahatchee Release Levels Tracker: This page shows recent lake levels of and the corresponding rate of discharge of water into the Caloosahatchee River, as compared to Lake Management Bands defined in the LOSOM and optimum ranges for ecological health.

Clam Habitat Suitability Map: This interactive map shows areas of suitable and unsuitable clam habitat to indicate which areas clam restoration would have the best chance of success.

Visit the CHNEP Water Atlas at www.chnep.wateratlas.usf.edu

CONTACT INFORMATION

1050 Loveland Blvd.
Port Charlotte, FL 33980
(941) 833-6580
CHNEP.org



Uniting Central and Southwest Florida to protect water and wildlife