



The Long Island Beach and Water Quality App



Background

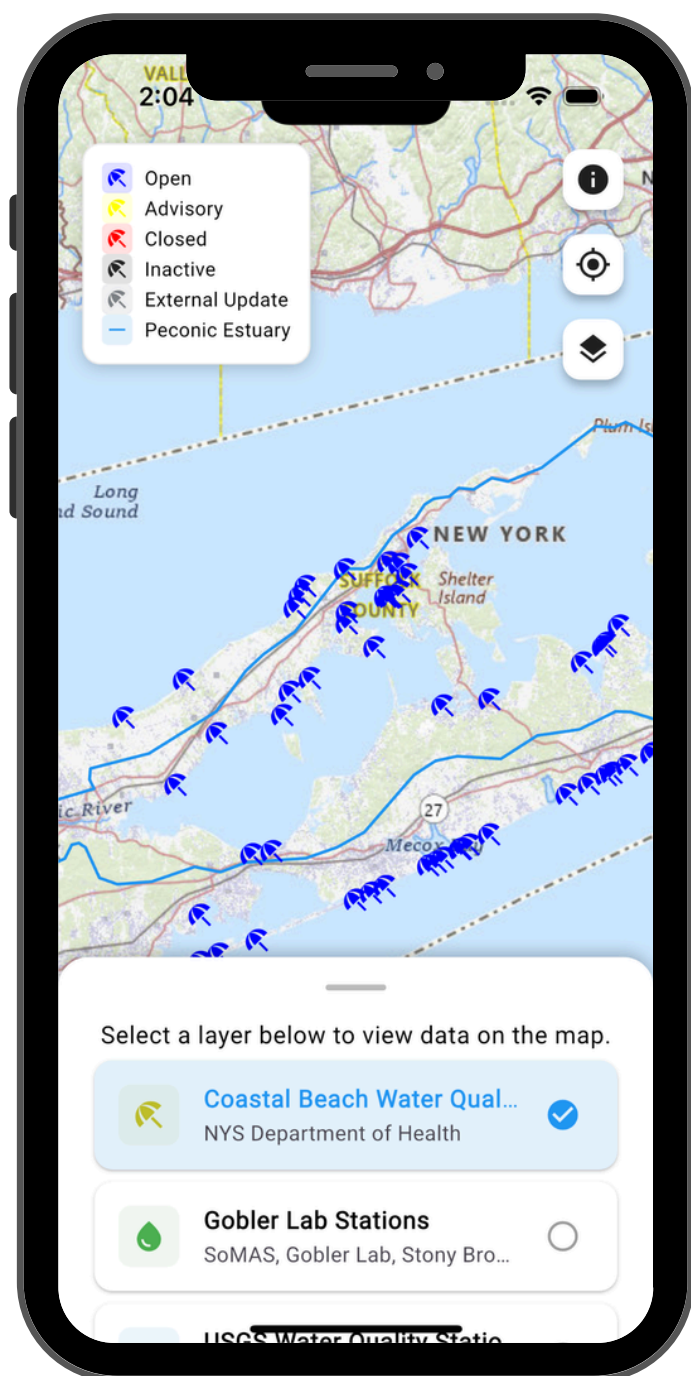
PEP has partnered with the Stony Brook University Geospatial Center to create an app for easy access to water quality information on Long Island. The app utilizes PEP-funded water quality data, as well as data from partners. All data collected adheres to the highest standards of monitoring protocol and covered under quality assurance plans approved by the Environmental Protection Agency and NYS Department of Environmental Conservation.

Water quality monitoring is essential in order to assess the health of the Peconic Estuary and to help determine if management goals are being reached. Suffolk County has been carrying out a periodic surface water monitoring program for 30 years in partnership with PEP. This year-round periodic sampling program coupled with the US Geological Survey (USGS) continuous sampling monitoring stations provide an excellent picture of the health of the estuary and freshwater tributaries.

More recently, PEP has teamed up with the Gobler Lab at Stony Brook University to complement these existing data sets and provide a robust water quality tool for East End Communities.

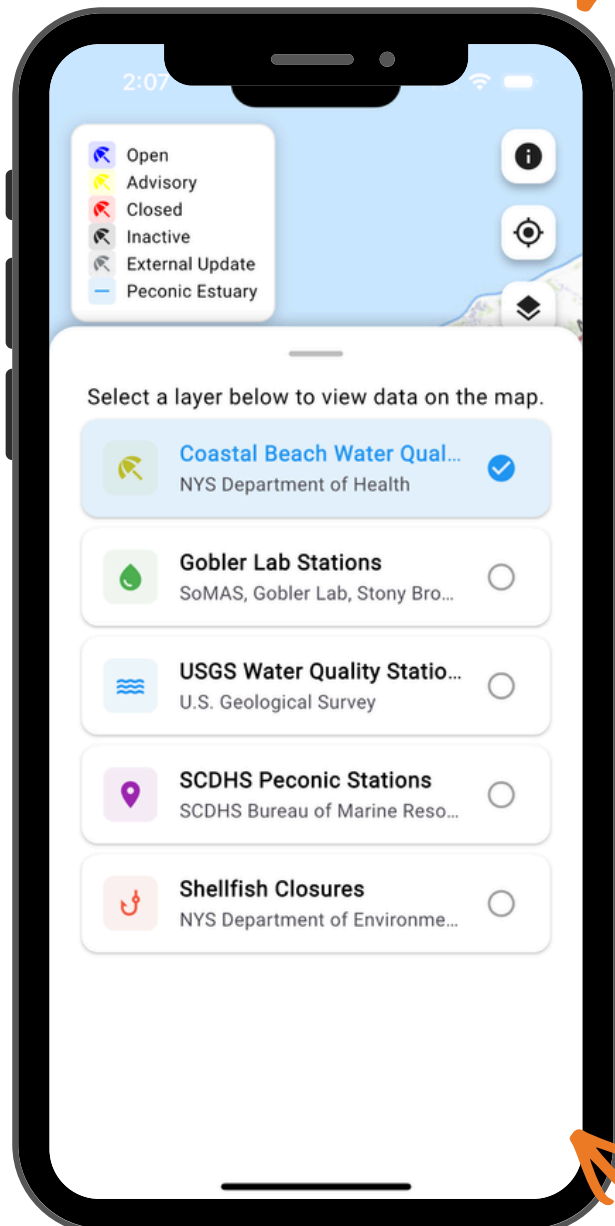
Partners

- Stony Brook University Geospatial Center
- The Suffolk County Department of Health Services (SCDHS)
- The Gobler Laboratory at Stony Brook University's School of Marine and Atmospheric Sciences (SBU SoMAS)
- United States Geological Survey (USGS)
- New York State Department of Health (NYSDOH)



CCMP Actions

- ACTION 16: Identify areas of clean water quality and deliver information that local governments and others can use to protect those areas
- ACTION 18: Implement science-based approaches for monitoring and reducing nutrient pollution
- ACTION 19: Collate results of harmful algal blooms (HABs) monitoring and deliver findings to support management decision making



Water Quality Information

The Long Island Water Quality App makes it easy to access water quality information, whether you're a beach lover, fisherman, bayman, swimmer, or someone looking for scientific information about Long Island's water quality conditions. All data collected adheres to the highest standards of monitoring protocol.

Water Quality Information displays:

- Coastal Beach Water Quality - NYS Department of Health
- Water Quality Index (Gobler Lab, SoMAS, Stony Brook University)
- PEP USGS Water Quality Stations (U.S. Geological Survey)
- SCDHS Peconic Estuary Stations (SCDHS Bureau of Marine Resources)
- Other NYS web map services
 - Shellfish Closures
 - Harmful Algal Blooms

App Interface

In the top left corner, the app shows the status of a given beach and waterbody. Map layers are available from different water quality monitoring entities.

To find specific water quality reports on the app:

- Swipe up from the bottom of the list
- Select a map layer as listed below (e.g., Gobler Lab Stations)
- Click on a site listed on the app
- Water quality evaluations is be listed for each respective site.