

# Home › College of Science and Technology › Center for Environmental Research › Lake Maurepas Monitoring Project

## BUOY DATA

This page contains the real time water quality readings from our four continuous monitoring buoys in Lake Maurepas: the Amite (blue), Blind (black), Maurepas (purple), and Tickfaw (pink) buoys. By providing real-time data, our aim is to enhance the community's understanding of Lake Maurepas' current status and to elevate their awareness regarding water quality and atmospheric conditions in the area. Click on the buoys in the interactive map below to learn more details about each one.



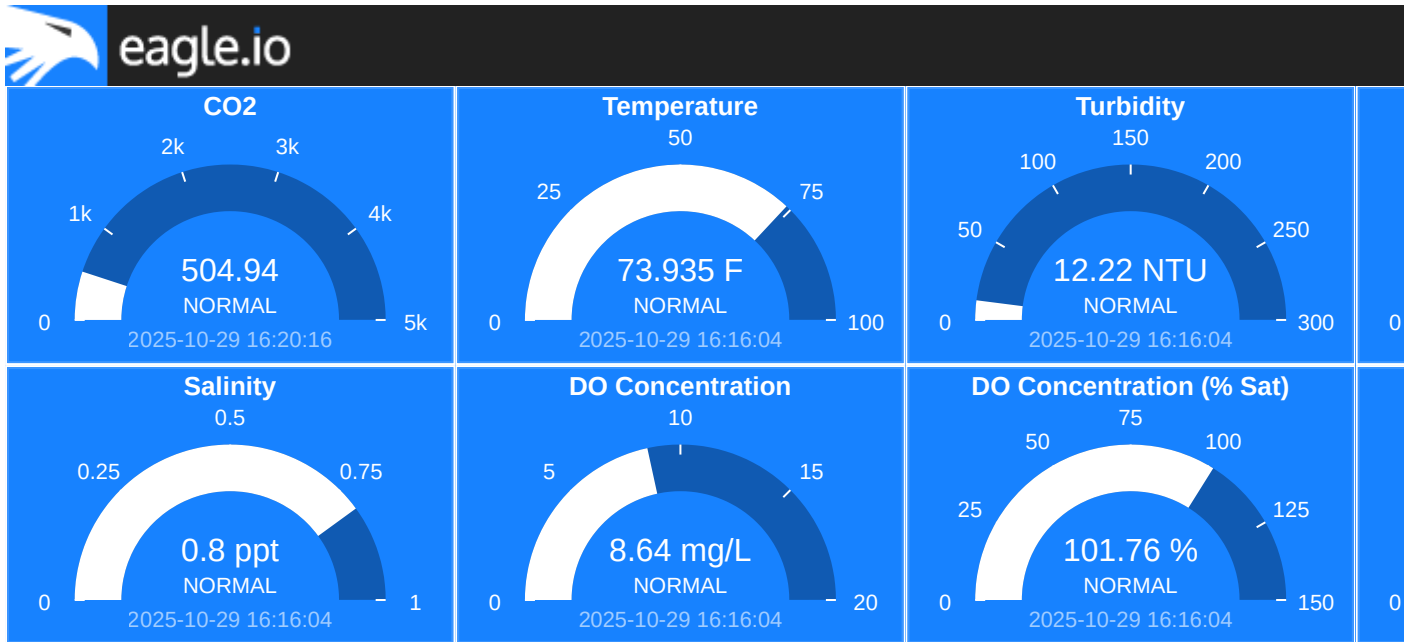
Esri, CGIAR, USGS | CONANP, Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, USF... Powered by [Esri](#)

The water quality parameters monitored by these buoys include CO<sub>2</sub>, temperature, turbidity, specific conductivity, salinity, dissolved oxygen concentration (mg/L and % saturation), and pH. The Blind Buoy is also fit with a weather station that monitors atmospheric conditions in addition to water quality. This includes air temperature, rain total, rain intensity, dew point, barometric pressure, relative humidity, wind speed, wind gust speed, and wind direction. All water quality and meteorological parameters are measured every 30 minutes, 7 days a week, starting on the date of deployment (1/31/2024).

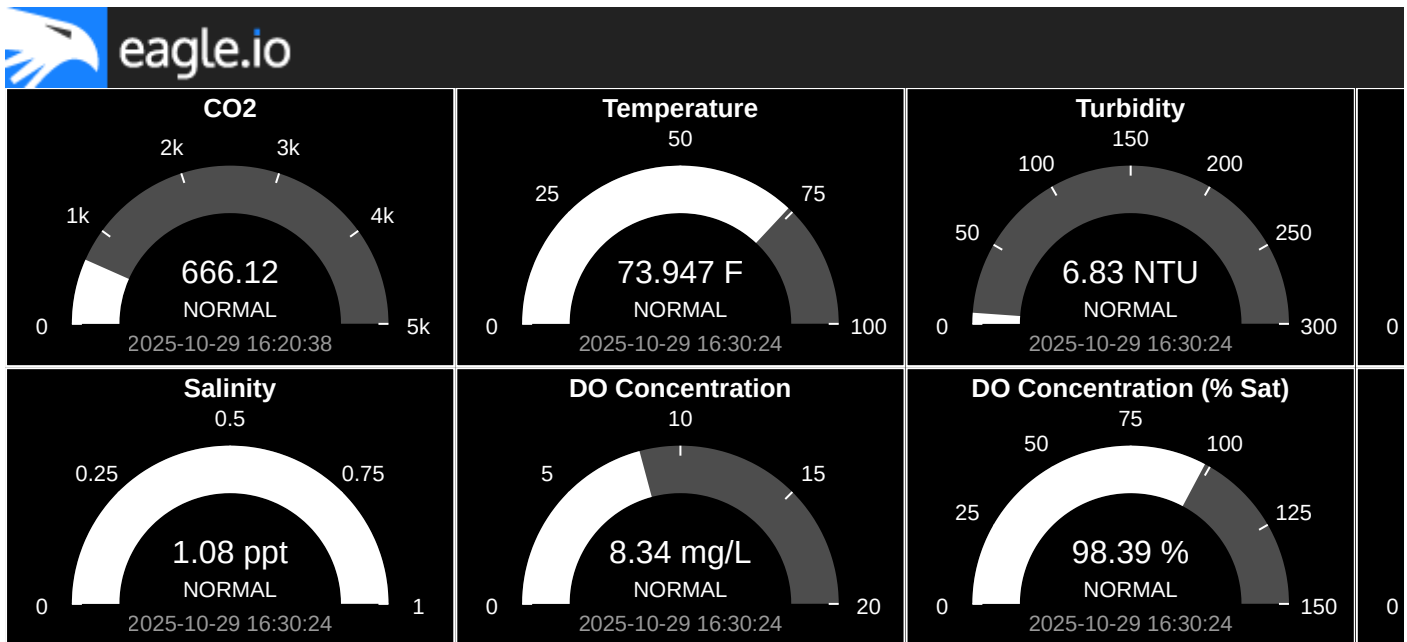
Note: All dashboards and maps presented on this page are provisional and subject to revision.

If viewing on a mobile device, scroll down on each dashboard to view the full list of parameters.

### Amite Buoy Water Quality Data



### Blind Buoy Water Quality Data



### Blind Buoy Weather Station Data



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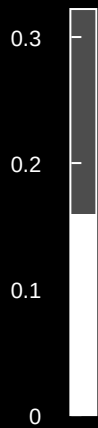
#### Air Temperature



70.88 F  
NORMAL

2025-10-29 16:30:06

#### Rain Total



0.16  
mm  
NORMAL

2025-10-29 16:30:06

#### Rain Intensity



0.16 mm/hr  
NORMAL

2025-10-29 16:30:06

#### Barometric Pressure



1011.2 mbar  
NORMAL

2025-10-29 16:30:06

#### Wind Speed



10.156 mph  
NORMAL

2025-10-29 16:30:06

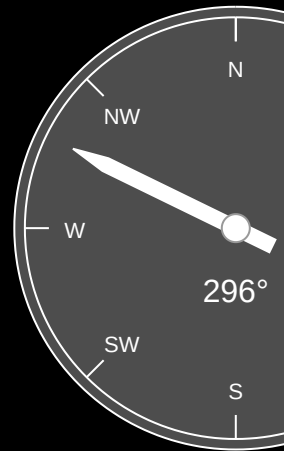
#### Wind Gust Speed



5.1 mph  
NORMAL

2025-10-29 16:30:06

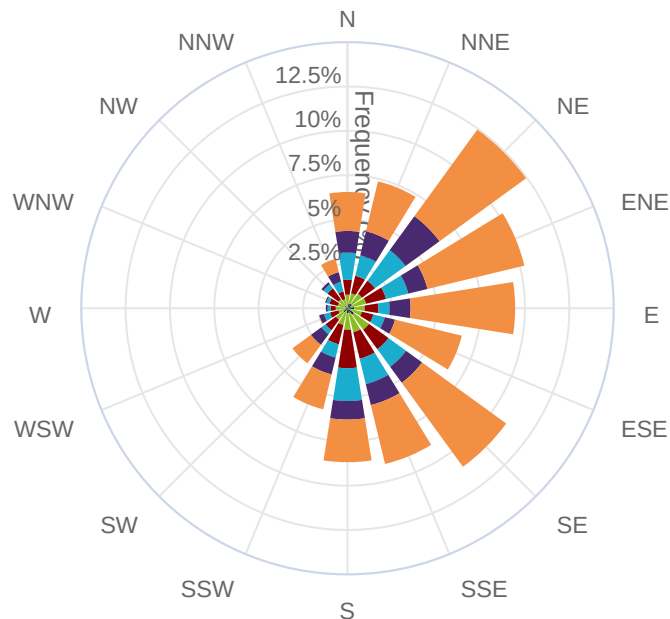
#### Wind Direction



2025-10-29 16:30:06

#### Wind Rose Chart: Historic Wind Speed and Direction

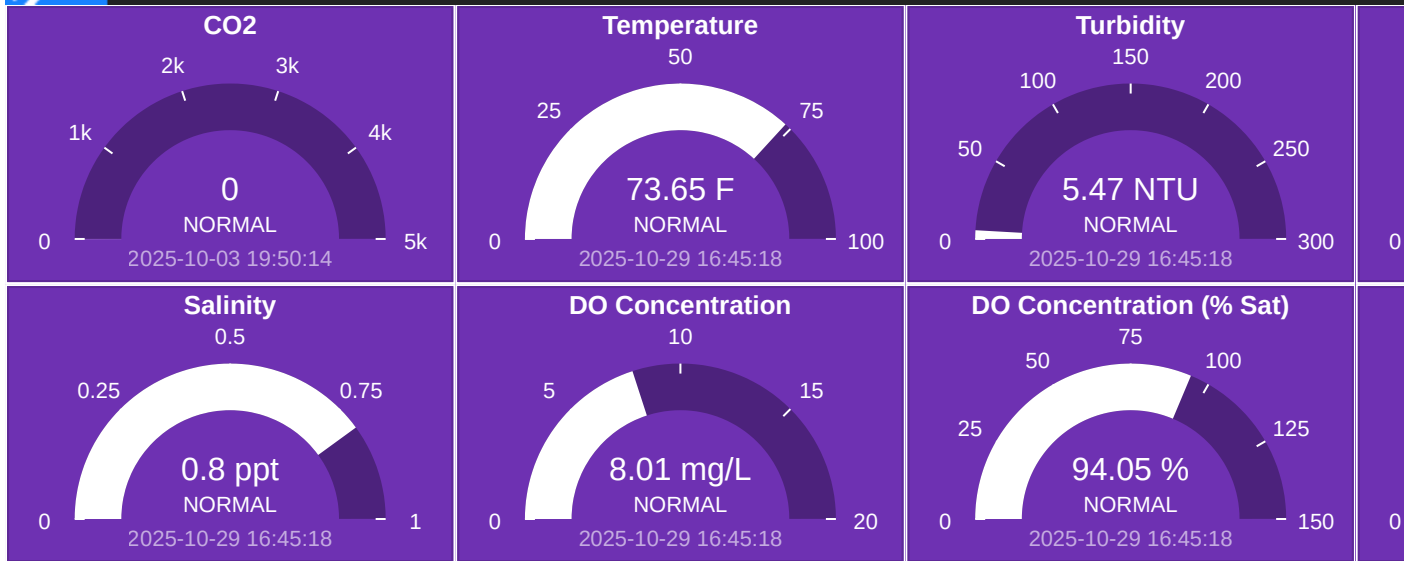
Historic wind speed and direction for the date range listed below. The frequency of winds over a time period is plotted using color bands showing wind speed ranges. Spoke length shows wind direction frequency.  
[2025-09-29 18:15:11 - 2025-10-29 18:15:11]



## Maurepas Buoy Water Quality Data



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## Tickfaw Buoy Water Quality Data



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