

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, USFWS

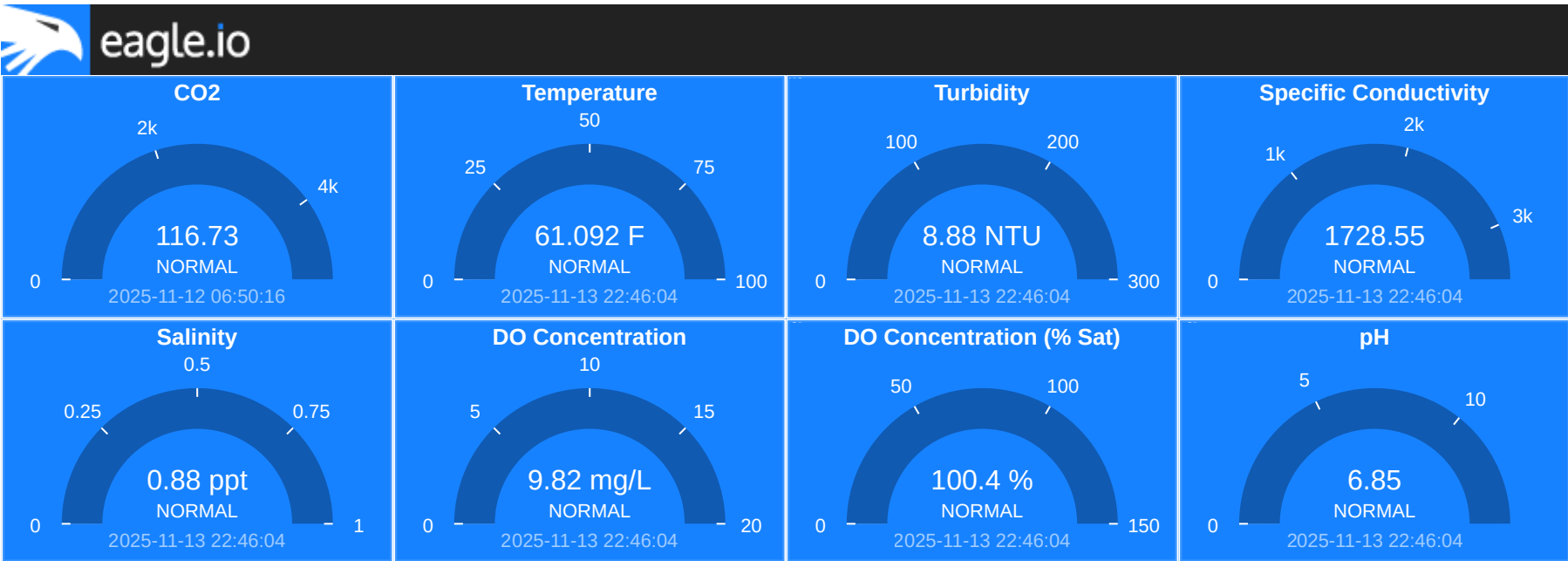
Powered by [Esri](#)

The water quality parameters monitored by these buoys include CO2, 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).

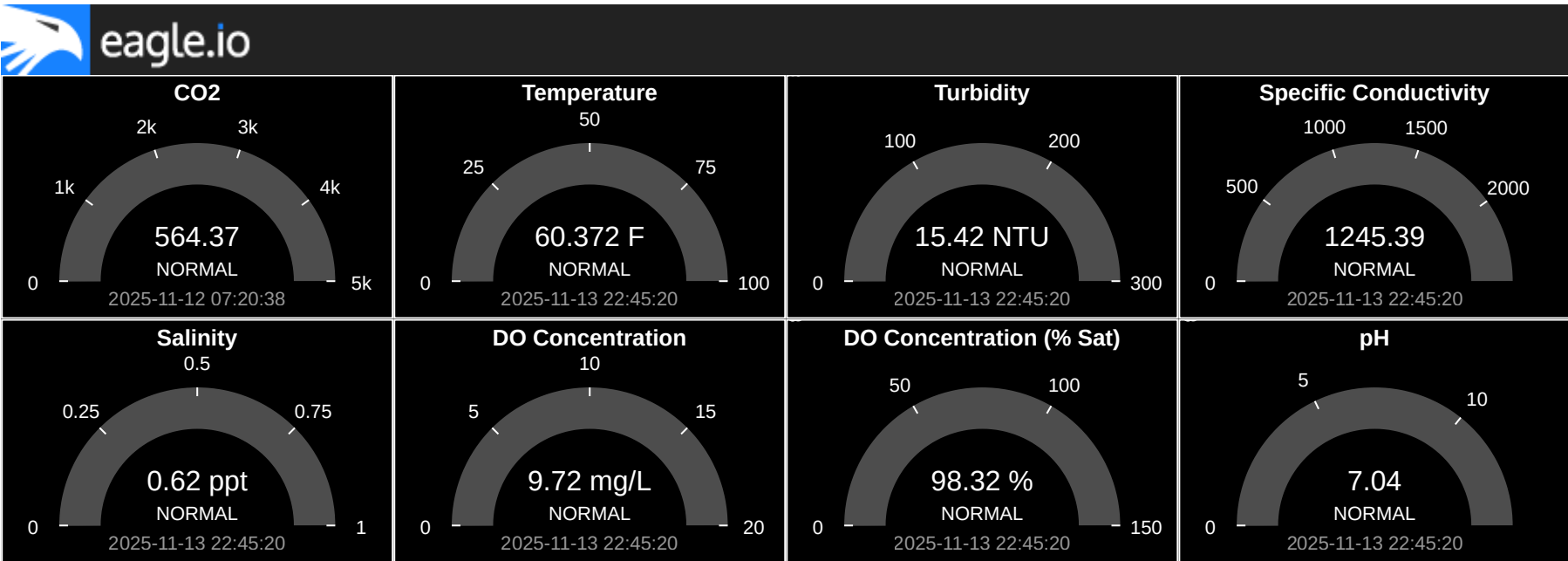
Note: All dashboards and maps presented on this page are provisional and subject to revision.

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

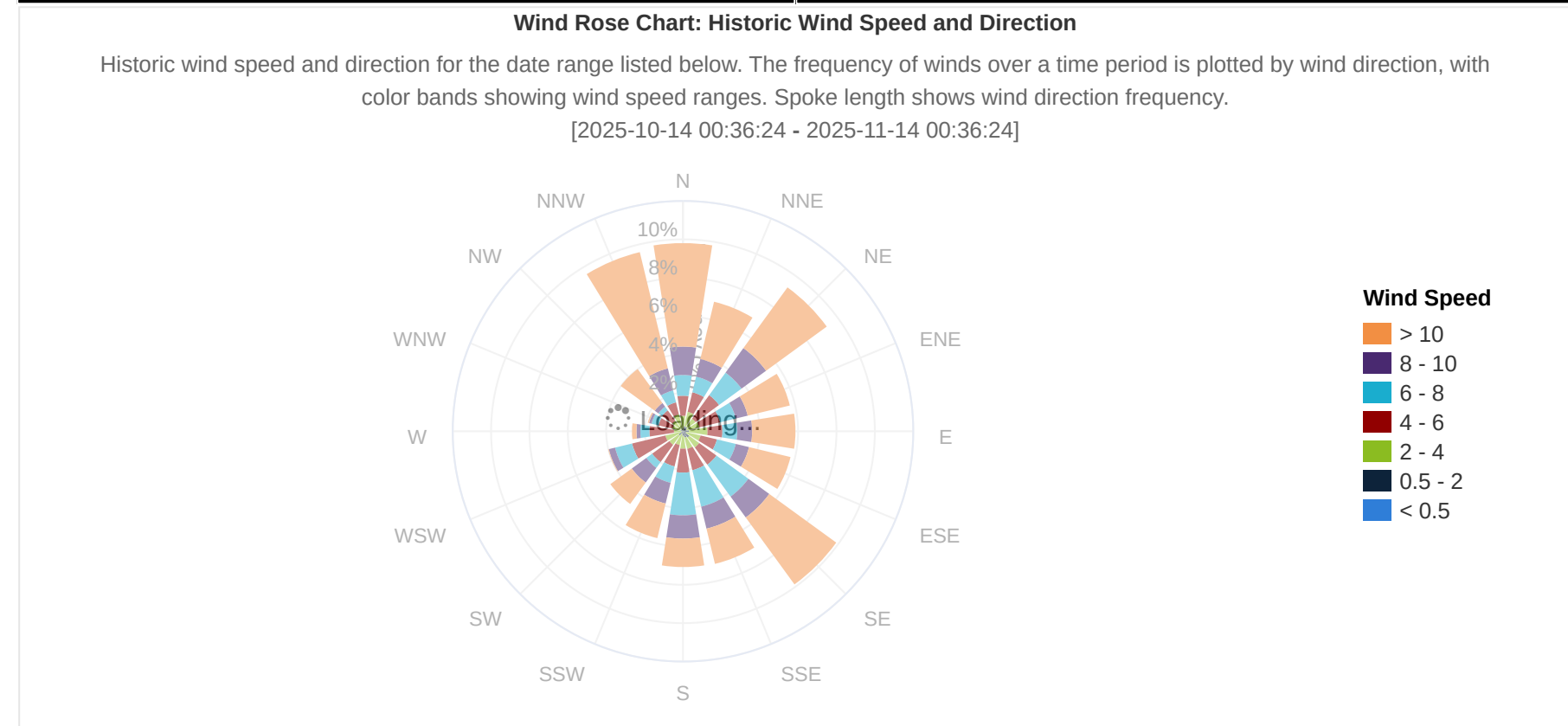
Amite Buoy Water Quality Data



Blind Buoy Water Quality Data



Blind Buoy Weather Station Data



The figure displays eight water quality parameters in a 2x4 grid, each represented by a semi-circular gauge chart. The parameters and their current values are:

- CO2:** 0 (Normal range: 2k to 4k, timestamp: 2025-10-03 19:50:14)
- Temperature:** 60.634 F (Normal range: 25 to 75, timestamp: 2025-11-13 22:45:18)
- Turbidity:** 6.75 NTU (Normal range: 100 to 200, timestamp: 2025-11-13 22:45:18)
- Specific Conductivity:** 1533.21 (Normal range: 1k to 2k, timestamp: 2025-11-13 22:45:18)
- Salinity:** 0.78 ppt (Normal range: 0.25 to 0.75, timestamp: 2025-11-13 22:45:18)
- DO Concentration:** 9.85 mg/L (Normal range: 5 to 15, timestamp: 2025-11-13 22:45:18)
- DO Concentration (% Sat):** 100.09 % (Normal range: 50 to 100, timestamp: 2025-11-13 22:45:18)
- pH:** 6.87 (Normal range: 5 to 10, timestamp: 2025-11-13 22:45:18)

Tickfaw Buoy Water Quality Data



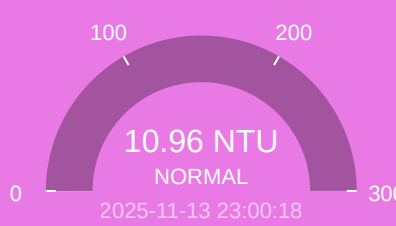
CO2



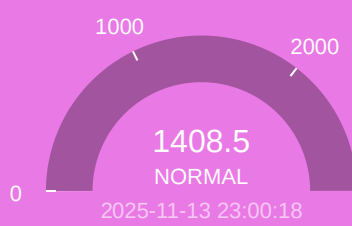
Temperature



Turbidity



Specific Conductivity



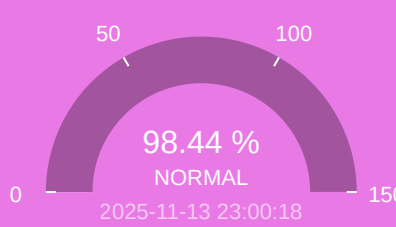
Salinity



DO Concentration



DO Concentration (% Sat)



pH

