

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

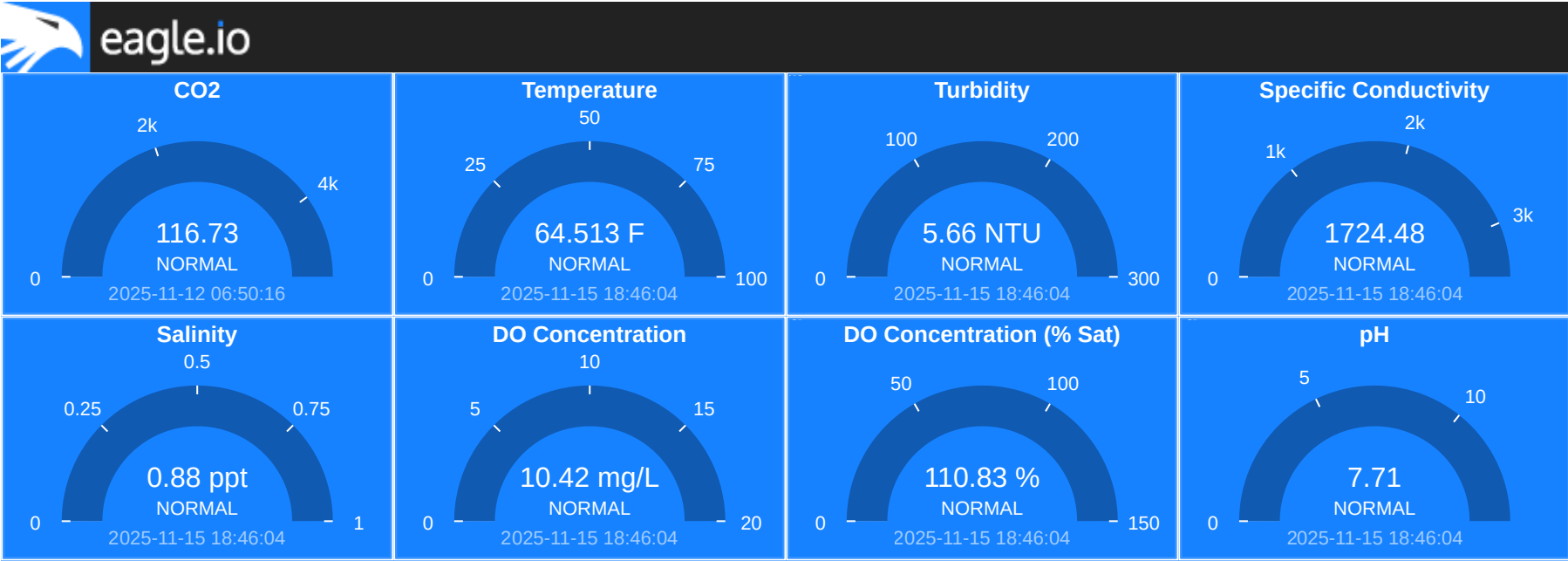
Powered by [Esri](#)

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).

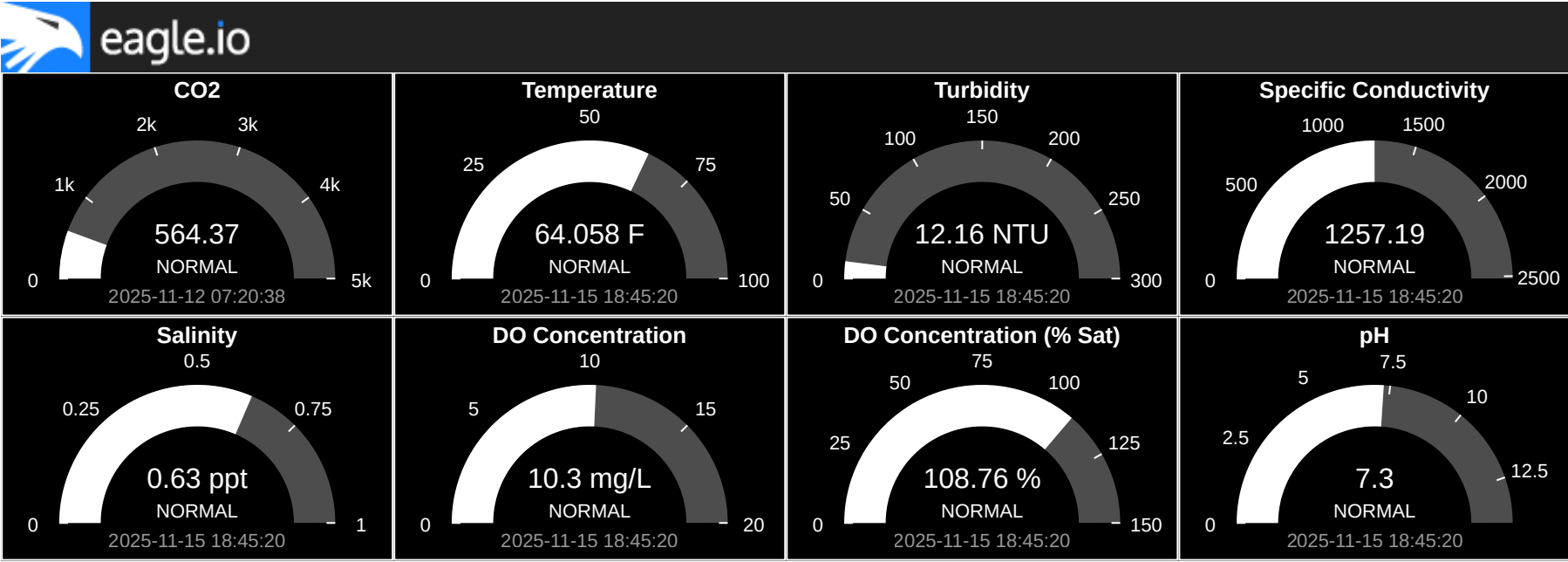
Note: All dashboards and maps presented on this page are provisional and subject to revision.

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

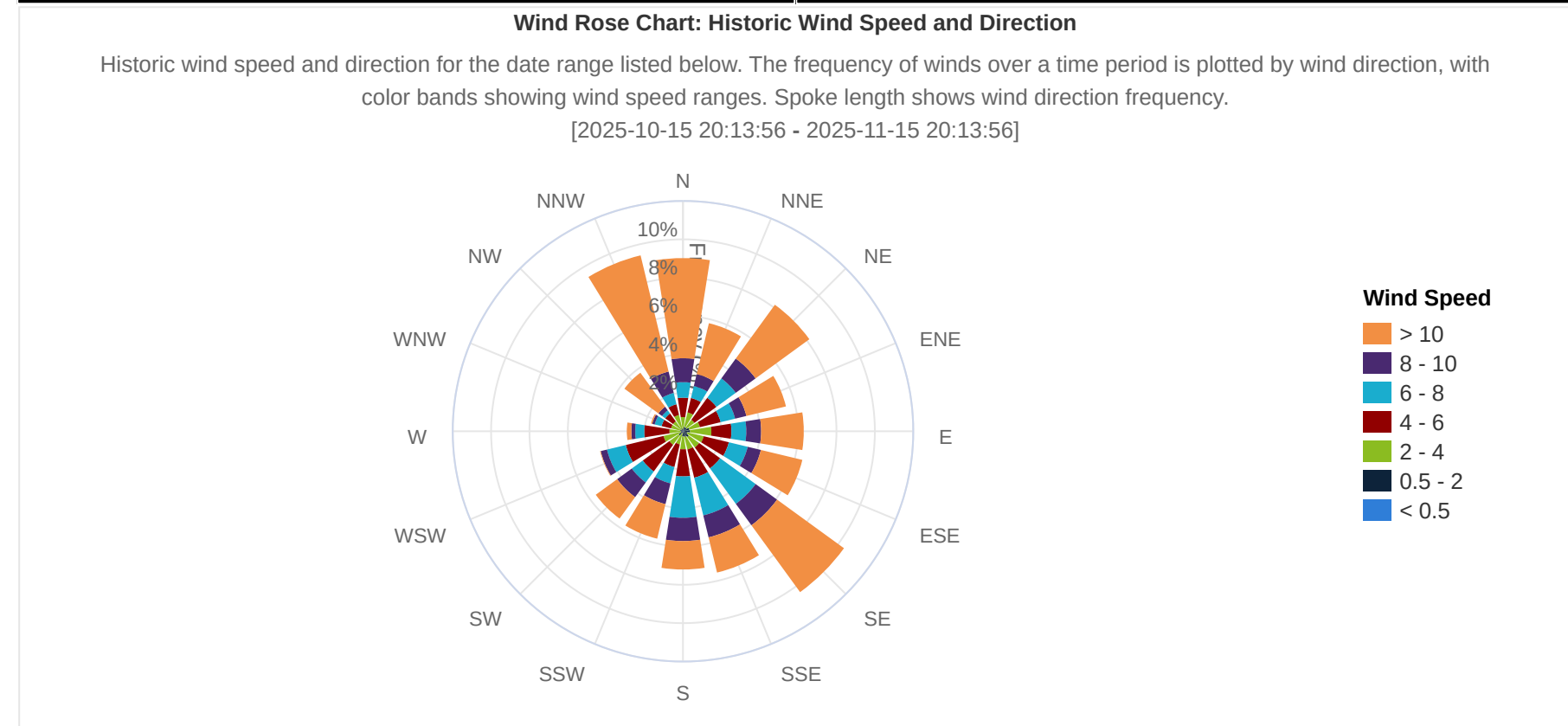
Amite Buoy Water Quality Data



Blind Buoy Water Quality Data



Blind Buoy Weather Station Data



The figure displays eight water quality parameters, each represented by a semi-circular gauge chart. The gauges are arranged in a 2x4 grid. Each gauge has a green needle indicating the current value, a red arc representing the 'NORMAL' range, and a yellow arc representing the 'WARNING' range. The current value is displayed in the center of each gauge, along with the 'NORMAL' status and a timestamp.

Parameter	Current Value	Normal Range	Warning Range	Status	Timestamp
CO2	0	0 - 2k	2k - 4k	NORMAL	2025-10-03 19:50:14
Temperature	62.578 F	50 - 75	75 - 100	NORMAL	2025-11-15 18:45:18
Turbidity	6.71 NTU	0 - 100	100 - 300	NORMAL	2025-11-15 18:45:18
Specific Conductivity	1460.64	0 - 1000	1000 - 2000	NORMAL	2025-11-15 18:45:18
Salinity	0.74 ppt	0 - 0.5	0.5 - 1	NORMAL	2025-11-15 18:45:18
DO Concentration	10.71 mg/L	5 - 15	15 - 20	NORMAL	2025-11-15 18:45:18
DO Concentration (% Sat)	111.3 %	50 - 100	100 - 150	NORMAL	2025-11-15 18:45:18
pH	7.67	5 - 10	10 - 12	NORMAL	2025-11-15 18:45:18

Tickfaw Buoy Water Quality Data

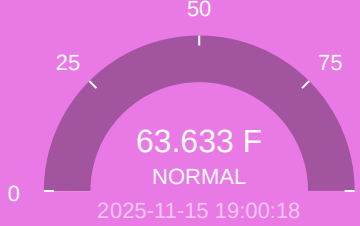


CO2



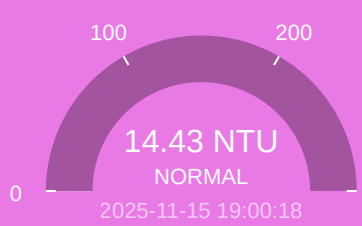
2025-11-12 01:20:18

Temperature



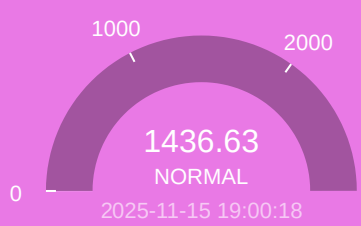
2025-11-15 19:00:18

Turbidity



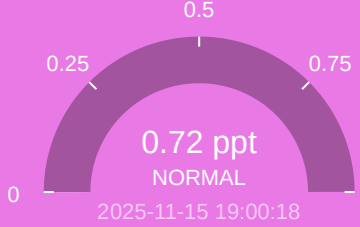
2025-11-15 19:00:18

Specific Conductivity



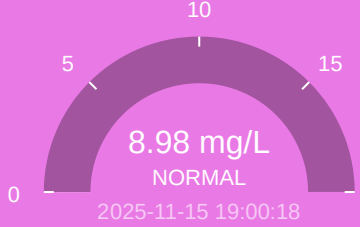
2025-11-15 19:00:18

Salinity



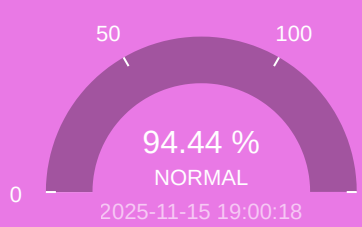
2025-11-15 19:00:18

DO Concentration



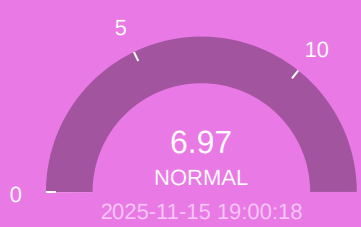
2025-11-15 19:00:18

DO Concentration (% Sat)



2025-11-15 19:00:18

pH



2025-11-15 19:00:18