

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.

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Disable map scroll

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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).

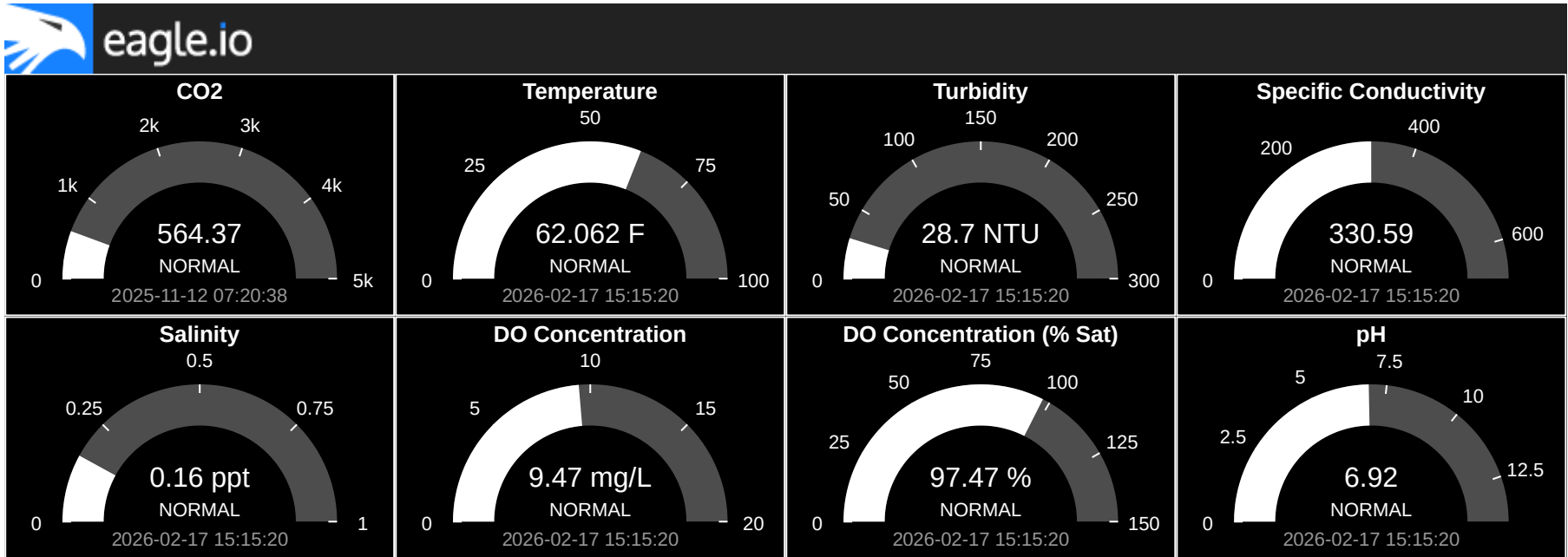
Note: All dashboards and maps presented on this page are provisional and subject to revision.

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

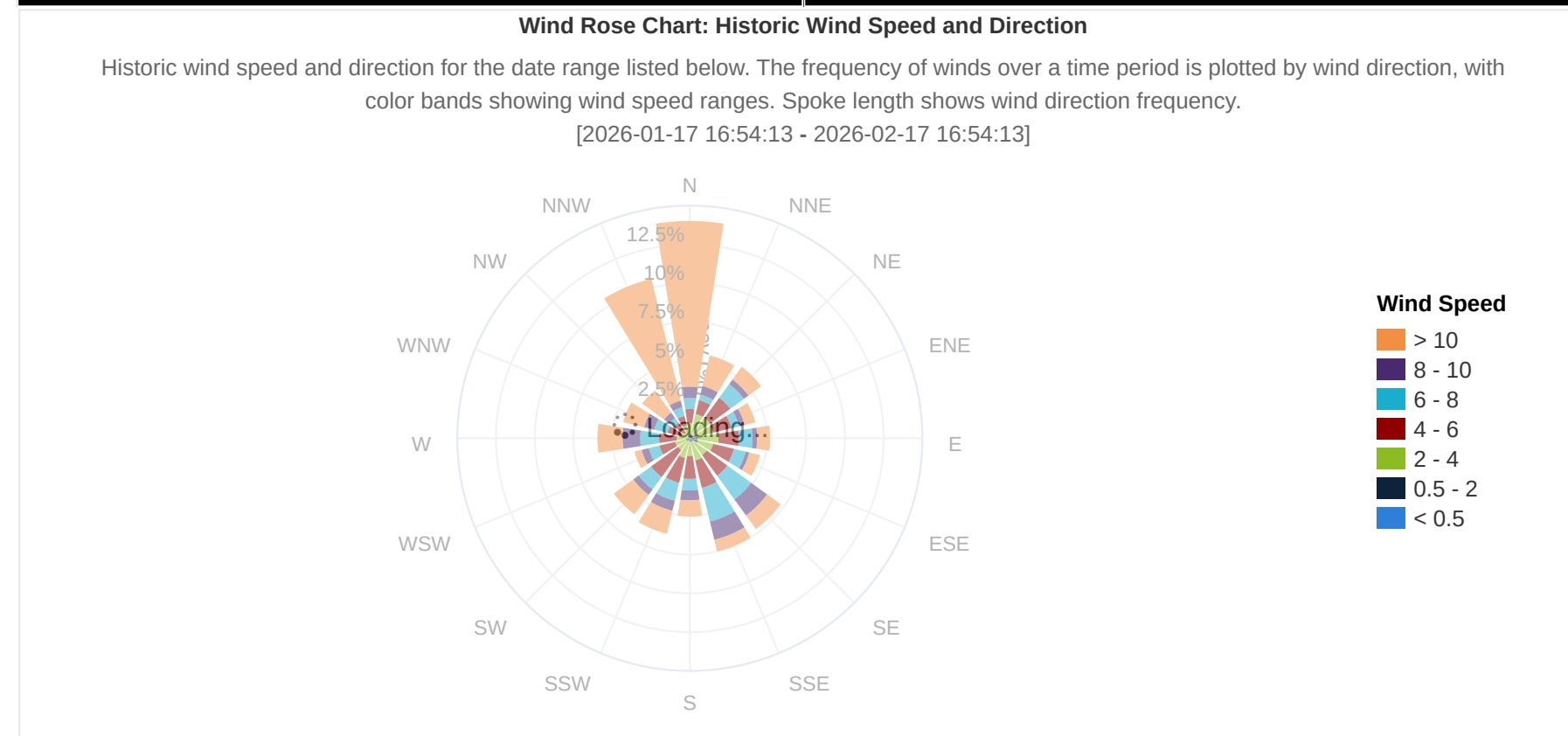
Amite Buoy Water Quality Data



Blind Buoy Water Quality Data



Blind Buoy Weather Station Data



The figure displays eight gauge charts arranged in a 2x4 grid, each representing a different water quality parameter. Each gauge has a semi-circular scale with tick marks and a central needle pointing to the current value. The gauges are color-coded: CO2 (blue), Temperature (orange), Turbidity (green), Specific Conductivity (red), Salinity (blue), DO Concentration (orange), DO Concentration (% Sat) (green), and pH (red).

Parameter	Current Value	Normal Range	Timestamp
CO2	0	2k - 4k	2025-10-03 19:50:14
Temperature	60.093 F	25 - 75	2026-02-17 15:01:04
Turbidity	30.4 NTU	100 - 200	2026-02-17 15:01:04
Specific Conductivity	906.27	500 - 1500	2026-02-17 15:01:04
Salinity	0.45 ppt	0.25 - 0.75	2026-02-17 15:01:04
DO Concentration	9.26 mg/L	5 - 15	2026-02-17 15:01:04
DO Concentration (% Sat)	93.25 %	50 - 100	2026-02-17 15:01:04
pH	6.66	5 - 10	2026-02-17 15:01:04

Tickfaw Buoy Water Quality Data



CO2



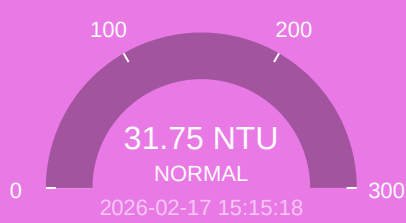
2025-11-12 01:20:18

Temperature



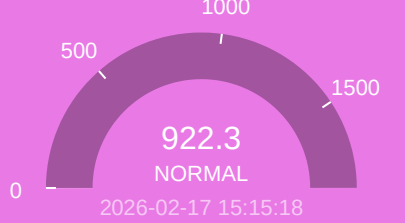
2026-02-17 15:15:18

Turbidity



2026-02-17 15:15:18

Specific Conductivity



2026-02-17 15:15:18

Salinity



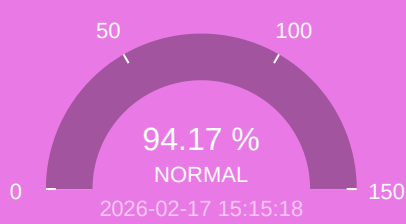
2026-02-17 15:15:18

DO Concentration



2026-02-17 15:15:18

DO Concentration (% Sat)



2026-02-17 15:15:18

pH



2026-02-17 15:15:18