

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).

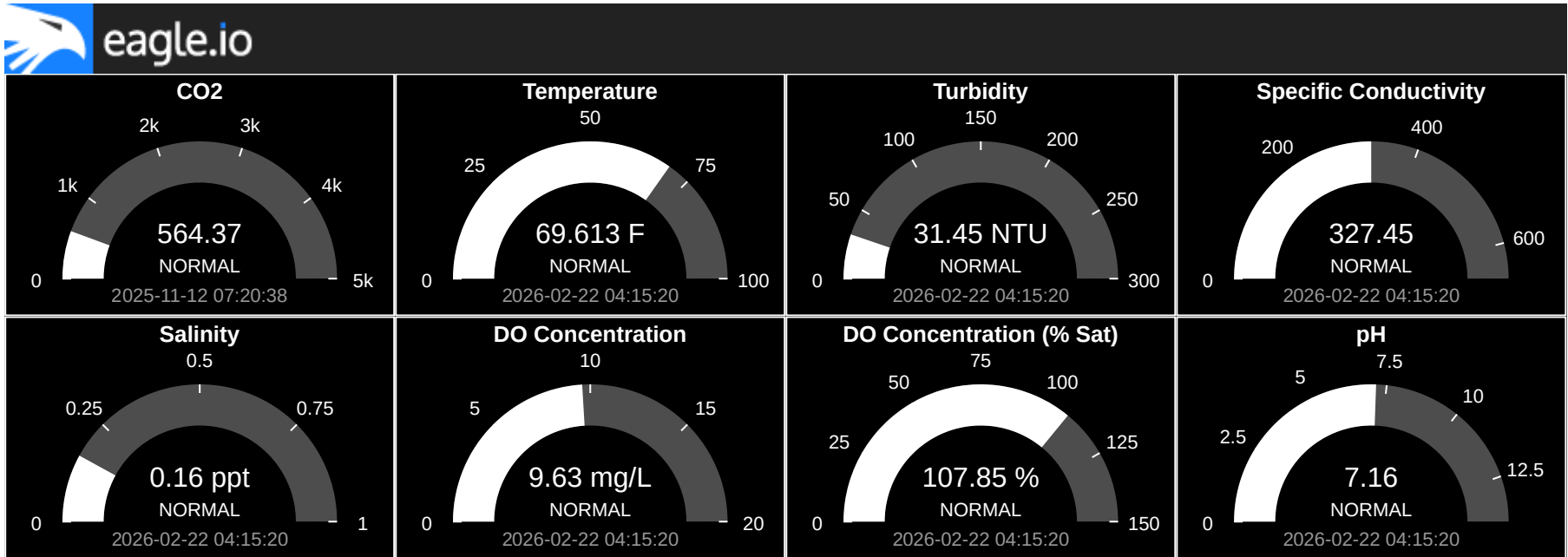
Note: All dashboards and maps presented on this page are provisional and subject to revision.

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

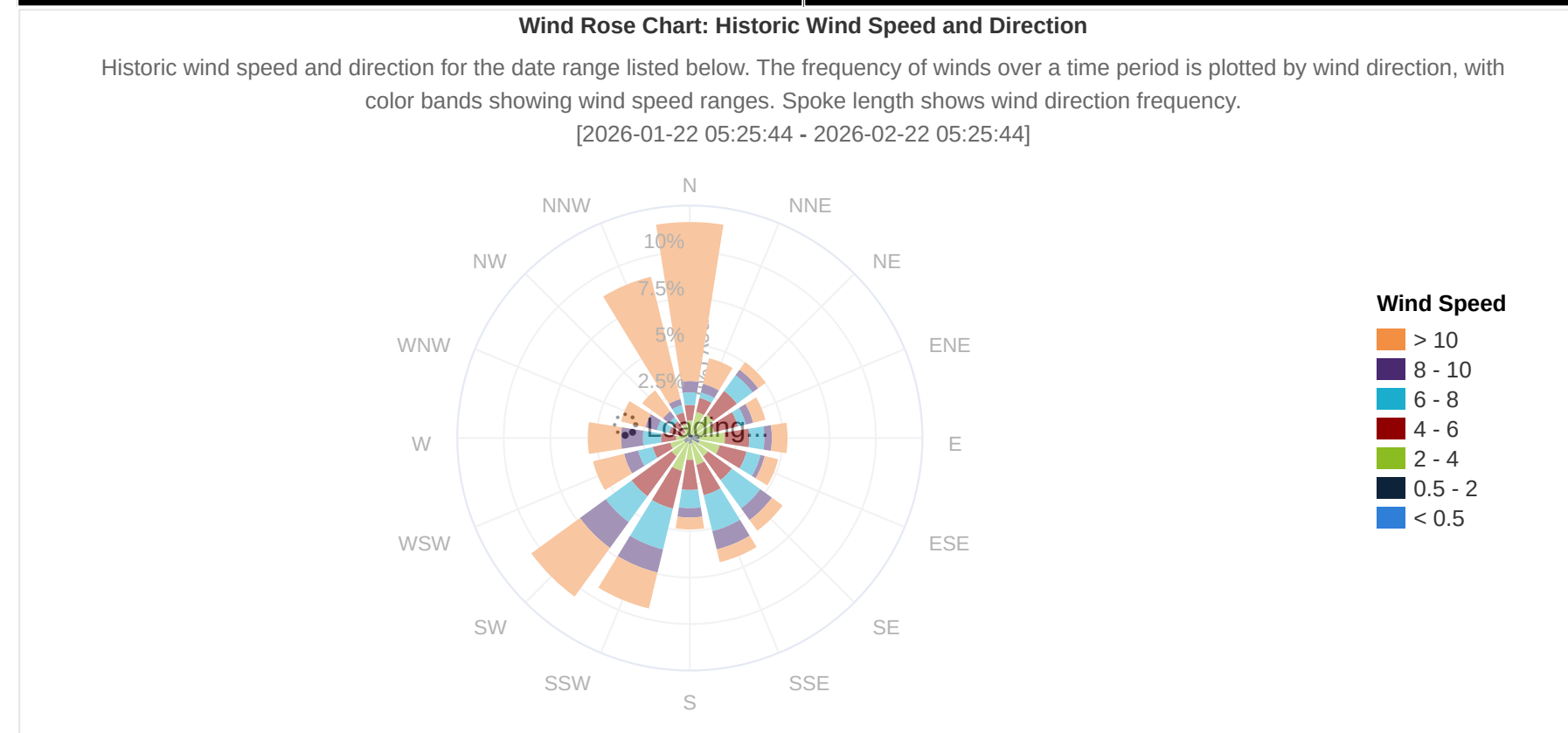
Amite Buoy Water Quality Data



Blind Buoy Water Quality Data



Blind Buoy Weather Station Data



The figure displays eight water quality parameters in a 2x4 grid, each represented by a gauge chart. The top-left gauge is for CO2, showing a value of 0 with a normal range between 2k and 4k. The remaining gauges show values within their respective normal ranges. Each gauge includes a timestamp indicating the last measurement.

Parameter	Value	Normal Range	Timestamp
CO2	0	2k - 4k	2025-10-03 19:50:14
Temperature	66.353 F	25 - 75	2026-02-22 04:01:04
Turbidity	22.69 NTU	100 - 300	2026-02-22 04:01:04
Specific Conductivity	880.35	500 - 1500	2026-02-22 04:01:04
Salinity	0.43 ppt	0.25 - 0.75	2026-02-22 04:01:04
DO Concentration	9.43 mg/L	5 - 20	2026-02-22 04:01:04
DO Concentration (% Sat)	102.08 %	50 - 150	2026-02-22 04:01:04
pH	6.97	5 - 10	2026-02-22 04:01:04

Tickfaw Buoy Water Quality Data



CO2



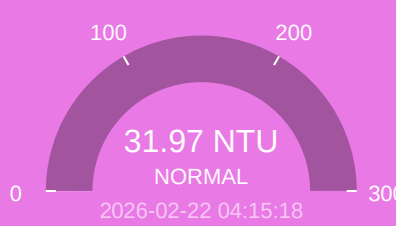
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Temperature



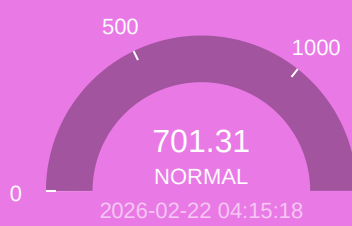
2026-02-22 04:15:18

Turbidity



2026-02-22 04:15:18

Specific Conductivity



2026-02-22 04:15:18

Salinity



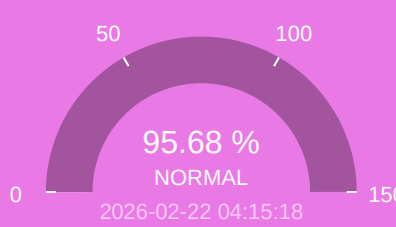
2026-02-22 04:15:18

DO Concentration



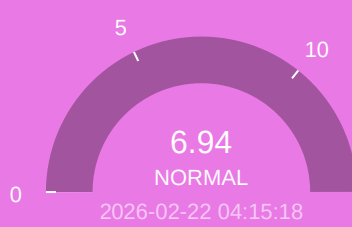
2026-02-22 04:15:18

DO Concentration (% Sat)



2026-02-22 04:15:18

pH



2026-02-22 04:15:18