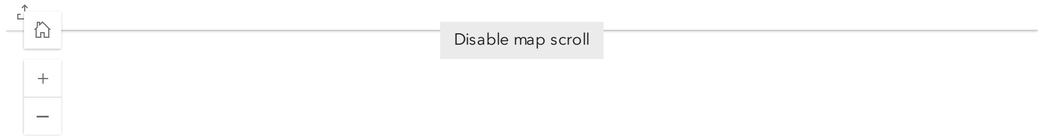
This page contains the real time water quality readings from our four continuous monitoring buoys in Lake Maurepas: the Amite (blue), Blind (black), Maurepas (purple), and Tickfaw (pink) buoys. By providing real-time data, our aim is to enhance the community's understanding of Lake Maurepas' current 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

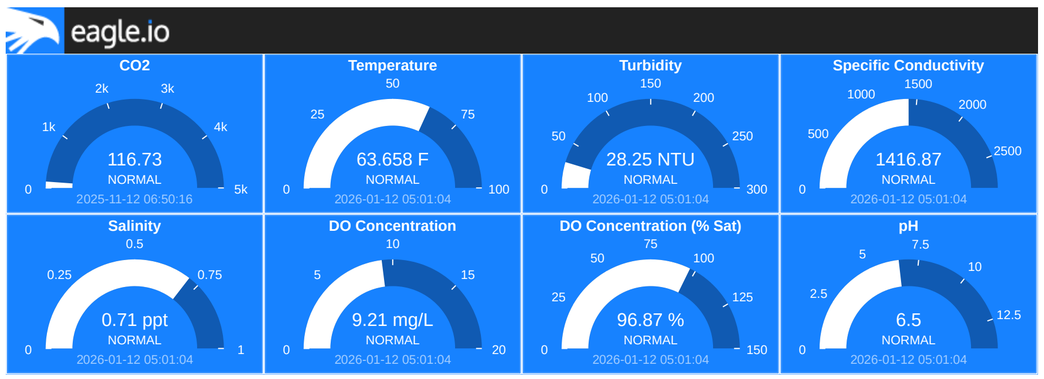
Powered by Esri

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).

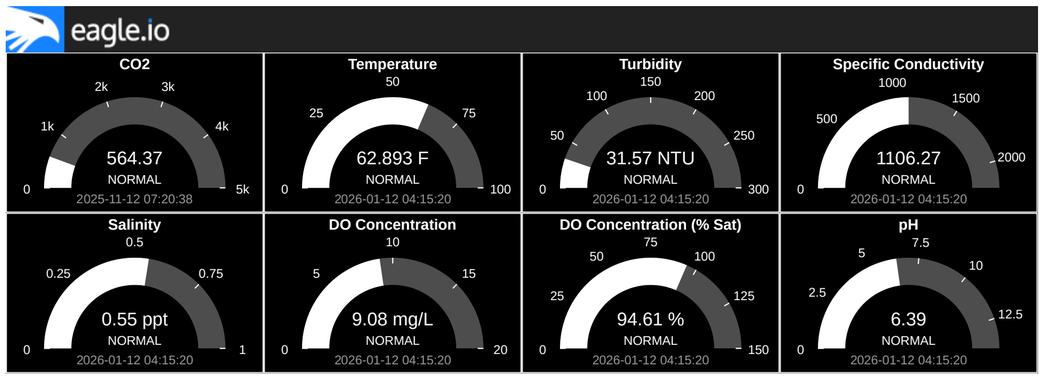
Note: All dashboards and maps presented on this page are provisional and subject to revision.

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

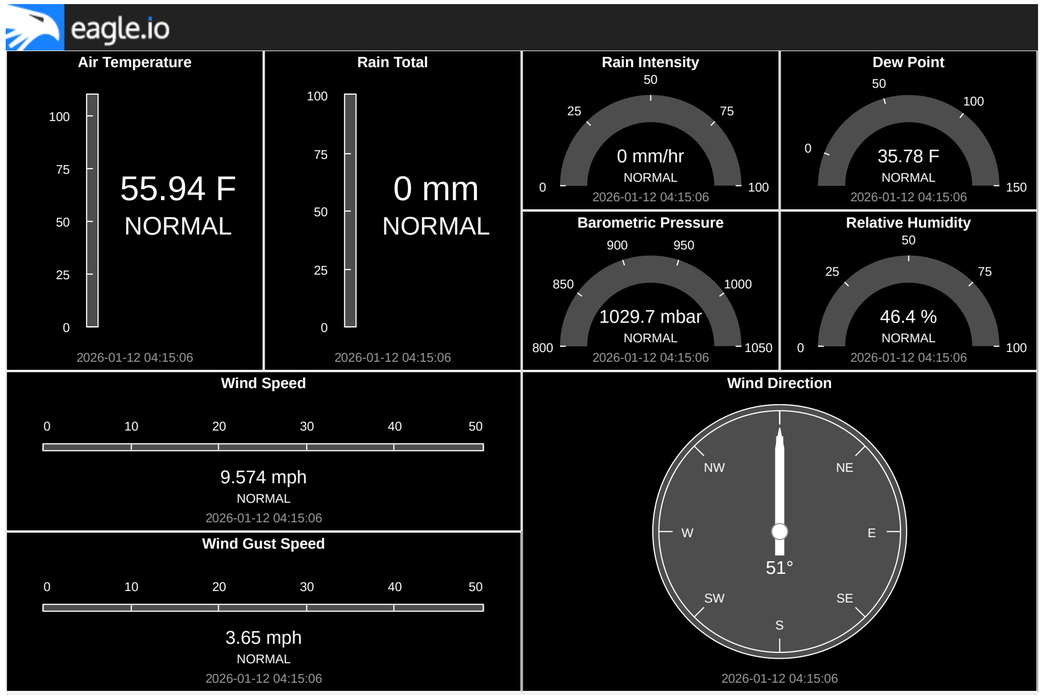
Amite Buoy Water Quality Data



Blind Buoy Water Quality Data



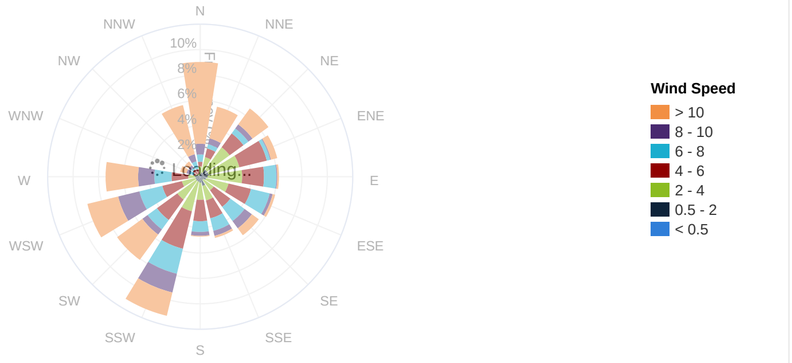
Blind Buoy Weather Station Data



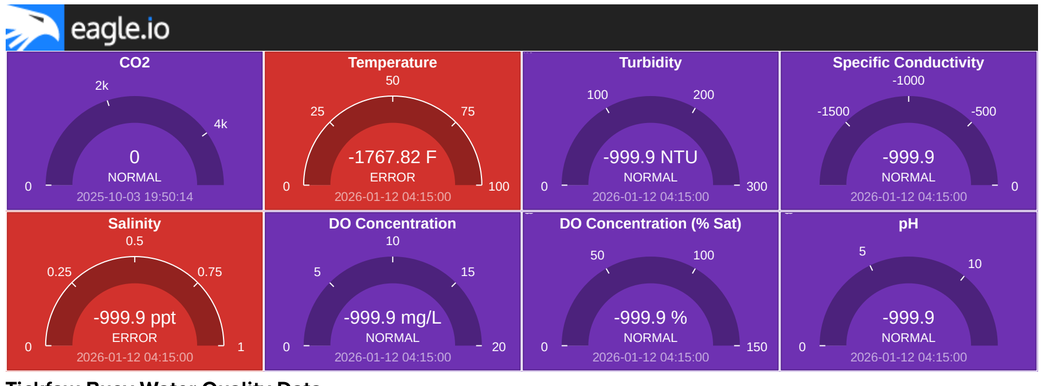
Wind Rose Chart: Historic Wind Speed and Direction

Historic wind speed and direction for the date range listed below. The frequency of winds over a time period is plotted by wind direction, with color bands showing wind speed ranges. Spoke length shows wind direction frequency.

[2025-12-12 06:12:01 - 2026-01-12 06:12:01]

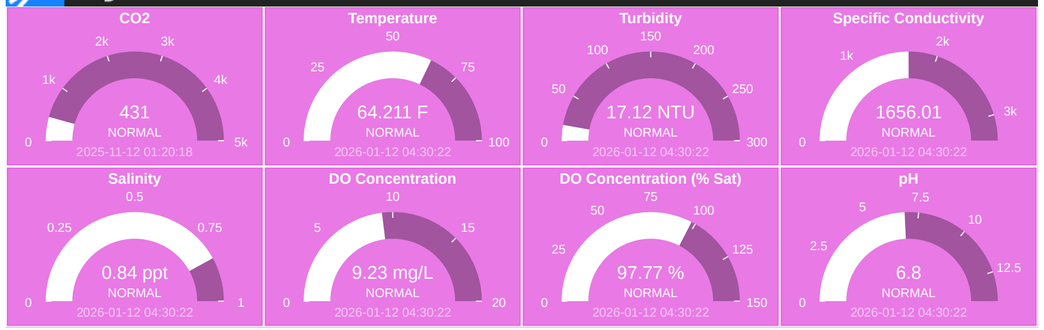


Maurepas Buoy Water Quality Data



Tickfaw Buoy Water Quality Data

eagle.io


CO2
2k
3k
1k
4k
431
NORMAL
0
5k
2025-11-12 01:20:18
Temperature
50
25
75
64.211 F
NORMAL
0
100
2026-01-12 04:30:22
Turbidity
100
150
200
50
250
17.12 NTU
NORMAL
0
300
2026-01-12 04:30:22
Specific Conductivity
1k
2k
1656.01
NORMAL
0
3k
2026-01-12 04:30:22
Salinity
0.5
0.25
0.75
0.84 ppt
NORMAL
0
1
2026-01-12 04:30:22
DO Concentration
10
5
15
9.23 mg/L
NORMAL
0
20
2026-01-12 04:30:22
DO Concentration (% Sat)
75
50
100
25
125
97.77 %
NORMAL
0
150
2026-01-12 04:30:22
pH
5
7.5
2.5
10
12.5
6.8
NORMAL
0
2026-01-12 04:30:22