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.
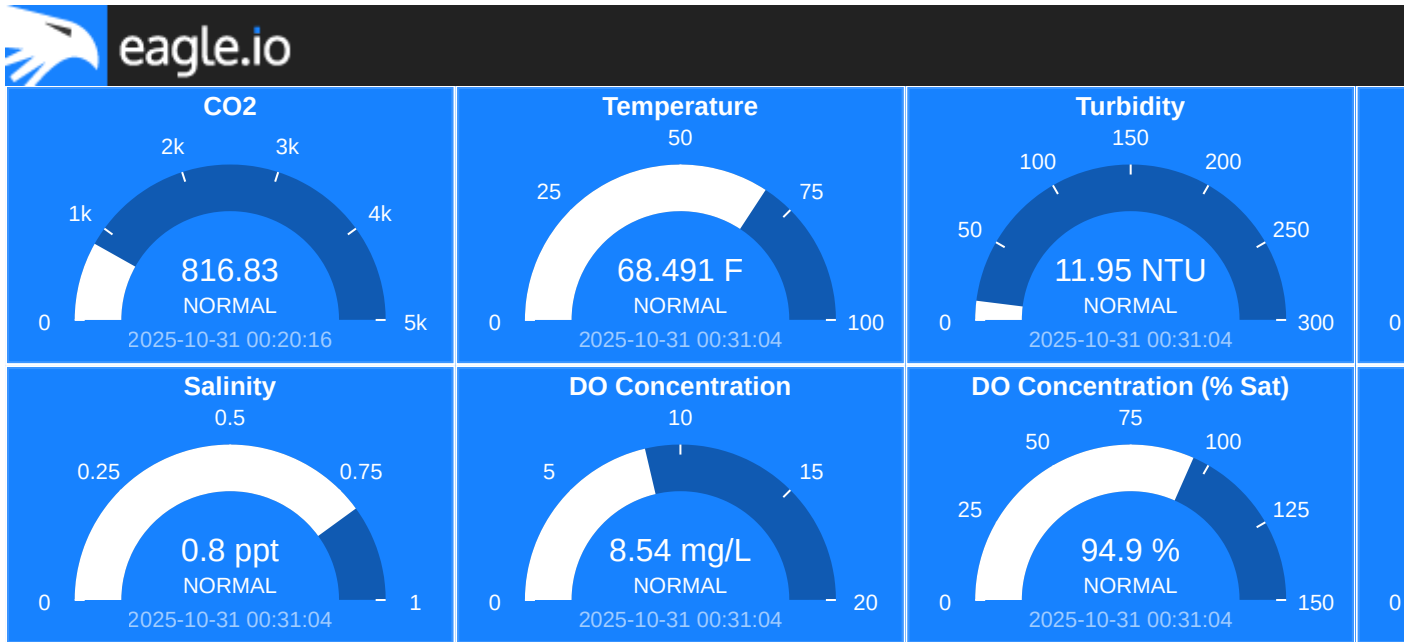
Disable map scroll

Esri, CGIAR, USGS | CONANP, Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, USF…   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).
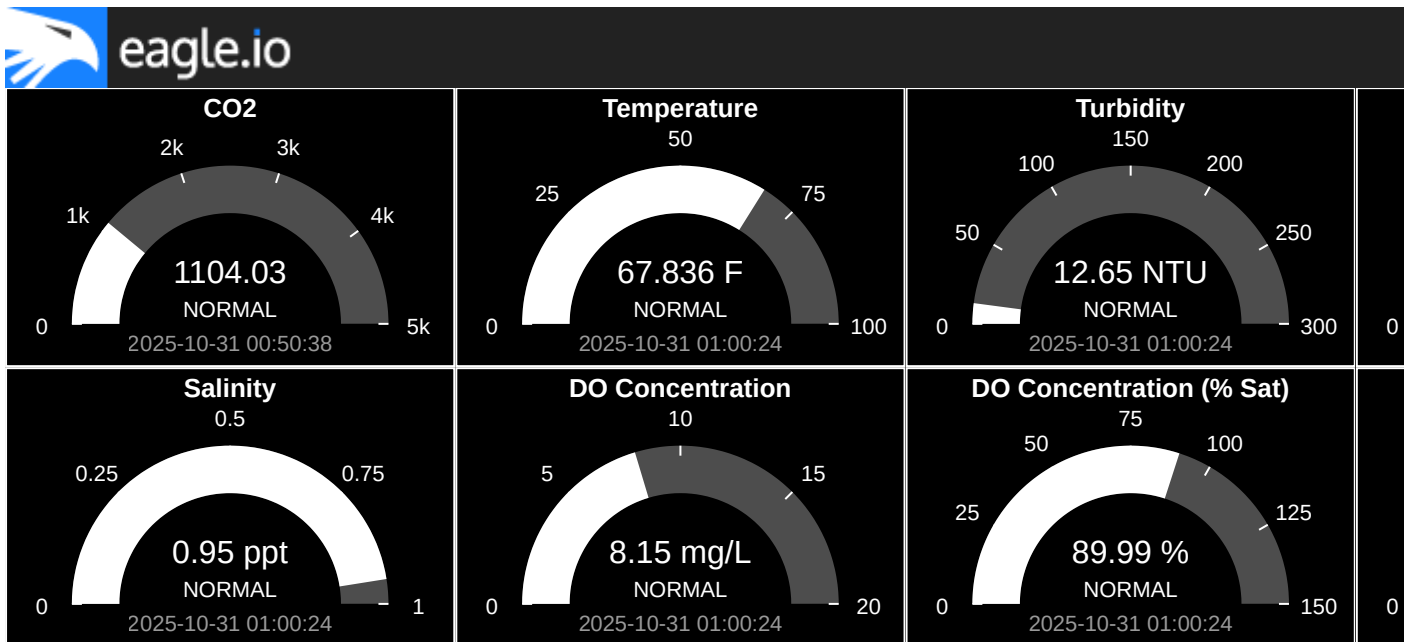
Note: All dashboards and maps presented on this page are provisional and subject to revision.

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

Amite Buoy Water Quality Data

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Blind Buoy Water Quality Data

CO2
2k   3k
1k   4k
816.83
NORMAL
0   5k
2025-10-31 00:20:16

Temperature
50
25   75
68.491 F
NORMAL
0   100
2025-10-31 00:31:04

Turbidity
150
100   200
50   250
11.95 NTU
NORMAL
0   300
2025-10-31 00:31:04

Salinity
0.5
0.25   0.75
0.8 ppt
NORMAL
0   1
2025-10-31 00:31:04

DO Concentration
10
5   15
8.54 mg/L
NORMAL
0   20
2025-10-31 00:31:04

DO Concentration (% Sat)
75
50   100
25   125
94.9 %
NORMAL
0   150
2025-10-31 00:31:04

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Blind Buoy Weather Station Data

CO2
2k   3k
1k   4k
1104.03
NORMAL
0   5k
2025-10-31 00:50:38

Temperature
50
25   75
67.836 F
NORMAL
0   100
2025-10-31 01:00:24

Turbidity
150
100   200
50   250
12.65 NTU
NORMAL
0   300
2025-10-31 01:00:24

Salinity
0.5
0.25   0.75
0.95 ppt
NORMAL
0   1
2025-10-31 01:00:24

DO Concentration
10
5   15
8.15 mg/L
NORMAL
0   20
2025-10-31 01:00:24

DO Concentration (% Sat)
75
50   100
25   125
89.99 %
NORMAL
0   150
2025-10-31 01:00:24

Air Temperature

100

75

50

25

0
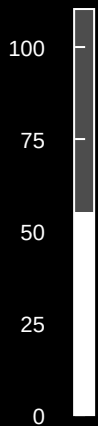
55.76 F
NORMAL

2025-10-31 01:00:06

Rain Total

100

75

50

25

0

0 mm
NORMAL

2025-10-31 01:00:06

Rain Intensity

50

25   75

0   100

0 mm/hr
NORMAL
2025-10-31 01:00:06

Barometric Pressure

900   950

850   1000

800   1050

1018.4 mbar
NORMAL
2025-10-31 01:00:06

Wind Speed

0   10   20   30   40   50

11.319 mph
NORMAL
2025-10-31 01:00:06

Wind Gust Speed

0   10   20   30   40   50

5.91 mph
NORMAL
2025-10-31 01:00:06

Wind Direct

N

NW

W

SW   S

338°

2025-10-31 01:

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 plo
color bands showing wind speed ranges. Spoke length shows wind direction frequency.
[2025-09-30 02:16:31 - 2025-10-31 02:16:31]

N
NNW   NNE
NW   NE
WNW   10%   ENE
7.5%
W   5%   E
2.5%   Frequency
WSW   ESE
SW   SE
SSW   SSE
S
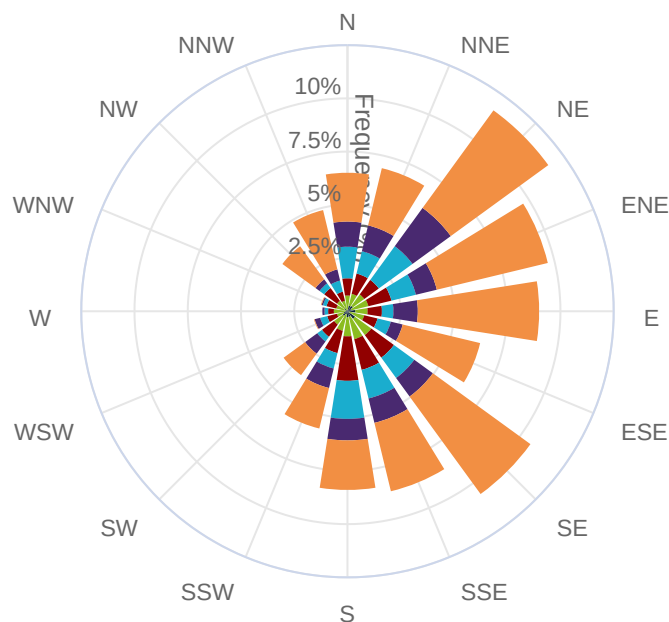
Maurepas Buoy Water Quality Data

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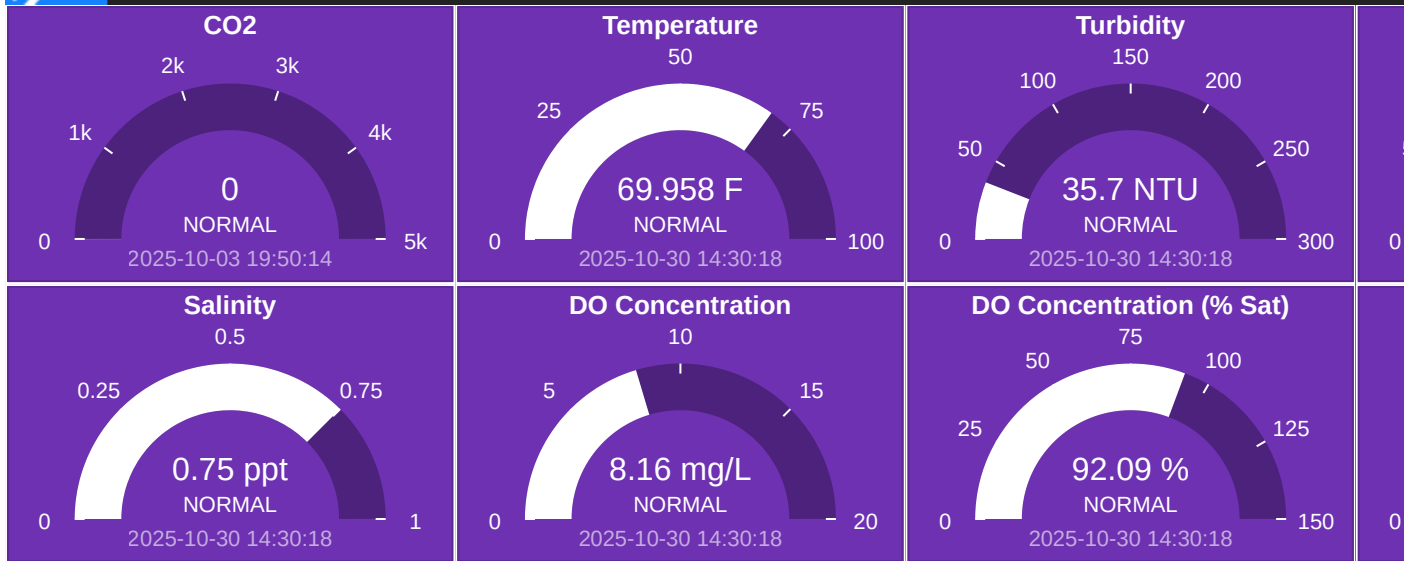| CO2	Temperature	Turbidity
2k 3k	50	150
1k 4k	25 75	100 200
		50 250
0		
0	0 **69.958 F** 100	0 **35.7 NTU** 300
NORMAL	NORMAL	NORMAL
0 5k		
2025-10-03 19:50:14	2025-10-30 14:30:18	2025-10-30 14:30:18

Salinity	DO Concentration	DO Concentration (% Sat)
0.5	10	75
0.25 0.75	5 15	50 100
		25 125
0.75 ppt	**8.16 mg/L**	**92.09 %**
NORMAL	NORMAL	NORMAL
0 1	0 20	0 150
2025-10-30 14:30:18	2025-10-30 14:30:18	2025-10-30 14:30:18

Tickfaw Buoy Water Quality Data

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CO2	Temperature	Turbidity
2k 3k	50	150
1k 4k	25 75	100 200
		50 250
950.11	**68.115 F**	**9.47 NTU**
NORMAL	NORMAL	NORMAL
0 5k	0 100	0 300
2025-10-31 00:20:18	2025-10-31 00:31:04	2025-10-31 00:31:04

Salinity	DO Concentration	DO Concentration (% Sat)
0.5	10	75
0.25 0.75	5 15	50 100
		25 125
0.91 ppt	**8.34 mg/L**	**92.38 %**
NORMAL	NORMAL	NORMAL
0 1	0 20	0 150
2025-10-31 00:31:04	2025-10-31 00:31:04	2025-10-31 00:31:04