

# Lake Erie Hypoxia Forecast

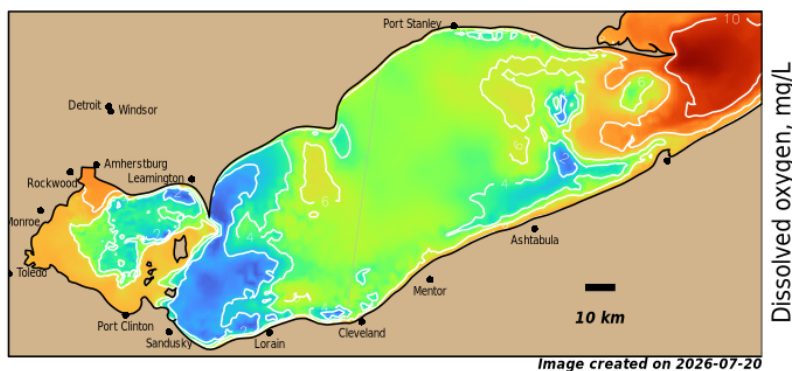
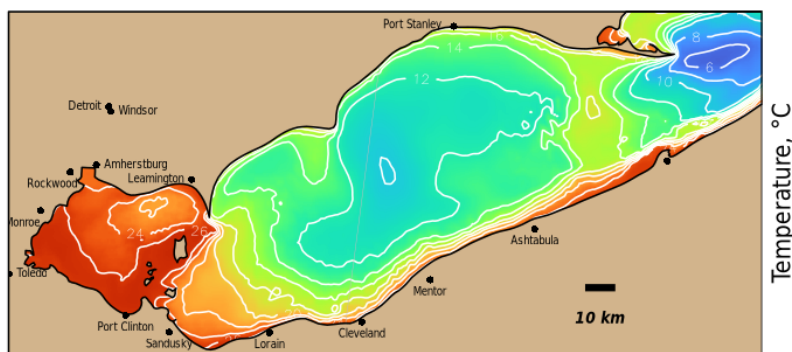
2026-07-20

## Summary

Strong upwelling is expected on the Ontario coast from Point Pelee to Rondeau, developing from late Tuesday through Wednesday. Hypoxic water (<2 mg/L dissolved oxygen) may accompany this. A narrow and variable band of hypoxic waters continues along the Ohio coast from Sandusky to Ashtabula, although it is poorly captured by the model. -Stumpf, Owen, St. Laurent, 20 July 2026

## Forecasted Temperatures and Oxygen Levels at Bottom

Tue 21 Jul 2026 11:00 EDT  
2026-07-21 15 GMT



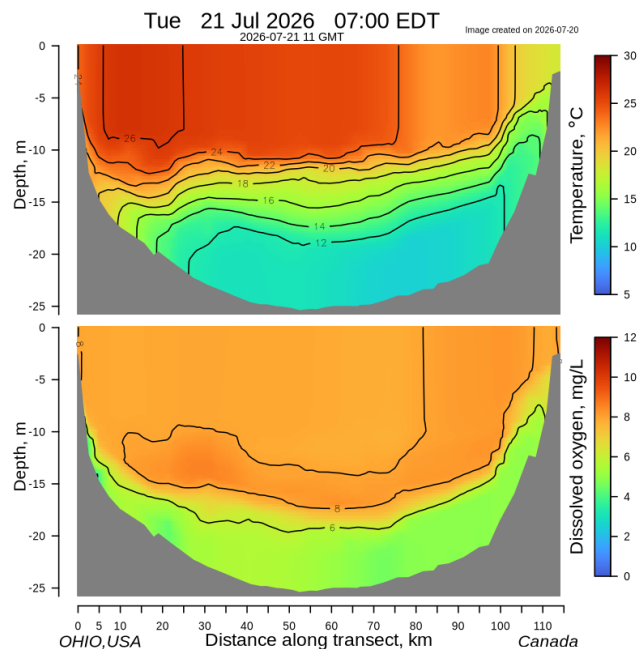
Model output includes near real-time estimated oxygen levels and temperatures in the bottom water across Lake Erie. In the top panel (temperatures), red colors indicate high temperatures (30 C) while blue colors indicate low temperatures (5 C). In the bottom panel (oxygen), red colors indicate high oxygen, while blue-green colors indicate hypoxic (< 2 mg/L) or anoxic (0 mg/L) conditions.

For more information visit: <http://coastalscience.noaa.gov/lake-erie-hypoxia-forecast>

For questions regarding the forecast contact the NCCOS HAB Forecasting Branch: [hab@noaa.gov](mailto:hab@noaa.gov)

## Vertical transect of Forecasted Oxygen and Temperature

This transect, marked as a light line on the map of Lake Erie, extends from just west of Cleveland, OH to west of Port Stanley, ON. In this cross-sectional view you can see today's modeled distribution of temperatures (top) and oxygen (bottom) in the water column in the center of the lake. The color scales are the same as in the whole-lake images.



# Lake Erie Hypoxia Forecast

2026-07-20

## Lake Erie Forecasted Changes in Bottom Water Temperature and Dissolved Oxygen

Change in Bottom Temperature and Dissolved Oxygen

Tue, 21 Jul 2026 12:00 with reference to Sun, 19 Jul 12:00 EDT

2026-07-21 16 with reference to 07-19 16 GMT

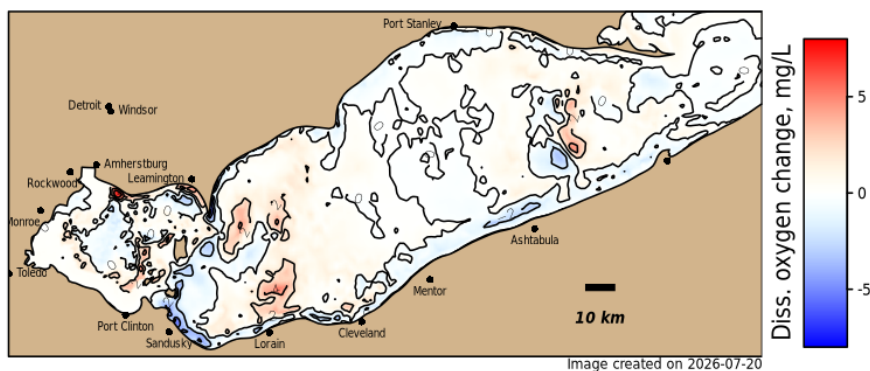
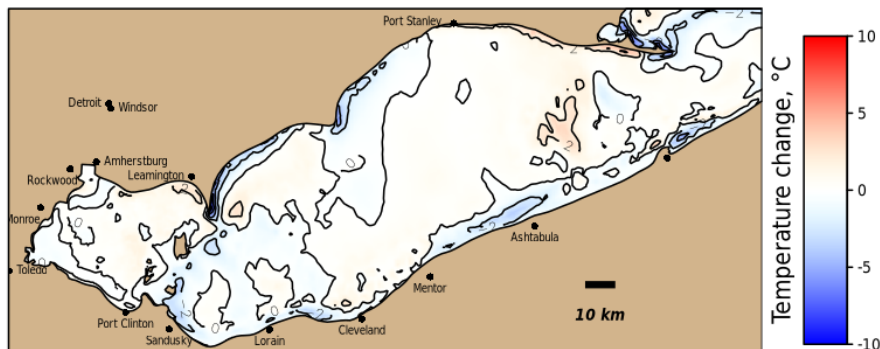


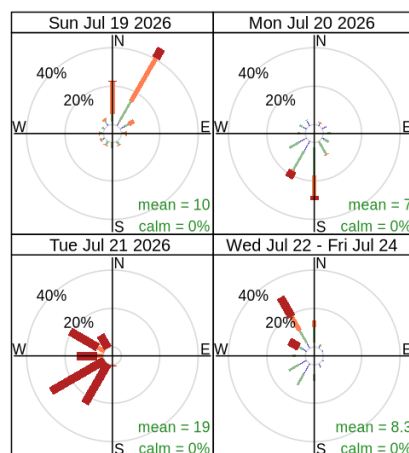
Image created on 2026-07-20

Changes in bottom water temperature and dissolved oxygen (mg/L)

## Lake Erie Forecasted Winds Counts by Direction (Wind Rose Plot)

This panel depicts the frequency of occurrence of wind directions and speeds for yesterday, today, tomorrow, and the following 3 days. The length of each spoke indicates how frequently a wind blows from a particular direction. Wind speeds are indicated by color, as given by the color scale at the bottom of the plot. The data were sampled from the wind data used to drive the hydrodynamic model simulation at locations around the central basin of Lake Erie

Wind Rose, Lake Erie Central Basin



0 to 5 5 to 10 10 to 15 15 to 26  
(kt)

Image created on 2026-07-20

Frequency of counts by wind direction (%)

For more information visit: <http://coastalscience.noaa.gov/lake-erie-hypoxia-forecast>

For questions regarding the forecast contact the NCCOS HAB Forecasting Branch: [hab@noaa.gov](mailto:hab@noaa.gov)

1305 East West Hwy, Rm 8110  
Silver Spring, Maryland 20910  
[coastalscience.noaa.gov](http://coastalscience.noaa.gov)

[f](#) [X](#) [in](#) [noaa.coastalsci](#) | [@noaa.coastal.sci](#)