Summary
Welcome to the new home of the Lake Erie Hypoxia Forecast (previously an experimental product at NOAA/GLERL). We are in the process of transitioning the forecast into operational status during the month of June. For now please refer to the research version of the forecast hosted at GLERL: Lake Erie Hypoxia (GLERL) ##--HAB forecast team 06/18/2024

Forecasted Temperatures and Oxygen Levels at Bottom

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
Lake Erie Hypoxia Forecast
2024-07-01

Lake Erie Forecasted Changes in Bottom Water Temperature and Dissolved Oxygen

Change in Bottom Temperature and Dissolved Oxygen
Tue, 02 Jul 2024 12:00 with reference to Sun, 30 Jun 12:00 EDT

2024-07-02 16 with reference to 06-30 16 EDT

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.

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

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