**Maumee Bay State Park — Lake Erie Beach**

Maumee Bay State Park is operated by [Ohio Department of Natural Resources](http://parks.ohiodnr.gov/maumeebay). The nowcast has been used at the Lake Erie beach since 2011.

The nowcast is for the Lake Erie beach only. For water-quality information on the inland beach at Maumee Bay State Park and other beaches around Ohio, refer to [BeachGuard](http://publicapps.odh.ohio.gov/BeachGuardPublic/Default.aspx" \t "_blank), operated by Ohio Department of Health.

The information on this page is updated by the [University of Toledo, Lake Erie Center](https://www.utoledo.edu/nsm/lec/) by 9:30 AM (EDT) 5 days/week during the swimming season. This nowcast issues advisories and predicts the probability of exceeding the *Escherichia coli* (*E. coli*) beach action value once a day at the posted time only. Storms are likely to result in a quick change in water quality.

For information on advisories from harmful algal blooms (HABs), which are different than Ohio Nowcast advisories based on *E. coli* concentrations, refer to the [Ohio EPA HAB map](http://wwwapp.epa.ohio.gov/gis/mapportal/hab.html).

For further information, contact Pam Struffolino, University of Toledo ([Pamela.struffolino@utoledo.edu](mailto:Pamela.struffolino@utoledo.edu), 419-530-8380).

**Variables used in the Maumee Bay State Park nowcast model**

The variables below will be used in a model to predict the probability of exceeding the *E. coli* beach action value of 235 most-probable number/100 mL (MPN/100 mL). If the probability exceeds the established threshold (29%), the beach is posted with a swimming advisory.

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| **Maumee Bay State Park nowcast model — 2017** | |
| **Model information** | **Explanatory variables** |
| Data used to develop the model (years): 2008-16  Threshold probability = 29% | * Turbidity * Solar radiation, previous day total (OARDC North Central Station) * Wind codea summed each hour for the 4-hour period prior to sampling (Toledo Executive Airport) * Lake level (NOAA Toledo station 9063085) * Rainfall, previous 24-hours (Toledo Executive Airport) |
| awind code (2 categories) is based on wind direction — N to E winds are coded as “1” and all other wind directions and no wind are coded as “0.1”. | |