**Edgewater Park**

Edgewater beach is part of Lakefront Reservation, operated by [Cleveland Metroparks](http://www.clevelandmetroparks.com/Main/Aquatics1/2.aspx). The nowcast has been used at Edgewater since 2008.

The information on this page is updated by the [Northeast Ohio Regional Sewer District](http://www.neorsd.org/nowcast-advisories.php) by 9:00 AM (EDT) every day during the swimming season and is intended to inform the public of water quality advisories based on the bacteria levels in the bathing waters. This nowcast issues advisories and predicts the probability once a day at the posted time only. There are other factors such as waves, currents, algae or other dangers that would prompt a Beach Manager to issue a No Swim Advisory. Storms are likely to result in a quick change in water quality. Please click [here](http://www.clevelandmetroparks.com/swimming) to view the current swimming status.

Beach water quality information at Edgewater and other beaches around Ohio is also available through [BeachGuard](http://publicapps.odh.ohio.gov/BeachGuardPublic/Default.aspx), operated by Ohio Department of Health.

**Variables used in the Edgewater nowcast model**

The variables below will be used in a nowcast model to predict when water-quality conditions exceed beach action value of 235 most-probable number/100 mL (MPN/100 mL). If the predicted *E. coli* concentration exceeds the established threshold (80 MPN/100 mL), the beach is posted with a water-quality warning.

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| **Edgewater nowcast model — 2017** | |
| **Model information** | **Explanatory variables** |
| Data used to develop the model (years): 2014-16  Predicted *E.* coli concentration threshold = 80 MPN/100 mL | * Wave height * Turbidity * pH * Water temperature * Rainfall in the past 72 hours, Cleveland Hopkins International Airport * Specific conductance |

**Villa Angela Beach and Euclid Beach**

Villa Angela beach and Euclid beach are part of Euclid Creek Reservation, operated by [Cleveland Metroparks](http://www.clevelandmetroparks.com/Main/Aquatics1/6.aspx).

The information on this page is updated by the [Northeast Ohio Regional Sewer District](http://www.neorsd.org/nowcast-advisories.php) by 9:00 AM (EDT) every day during the swimming season and is intended to inform the public of water quality advisories based on the bacteria levels in the bathing waters. This nowcast issues advisories and predicts the probability once a day at the posted time only. There are other factors such as waves, currents, algae or other dangers that would prompt a Beach Manager to issue a No Swim Advisory. Storms are likely to result in a quick change in water quality. Please click [here](http://www.clevelandmetroparks.com/swimming/) to view the current swimming status.

Beach water quality information at Villa Angela and Euclid and other beaches around Ohio is also available through [BeachGuard](http://publicapps.odh.ohio.gov/BeachGuardPublic/Default.aspx), operated by Ohio Department of Health.

**Variables used in the Villa Angela/Euclid nowcast model**

The variables below will be used in a nowcast model to predict when water-quality conditions exceed beach action value of 235 most-probable number/100 mL (MPN/100 mL). If the predicted *E. coli* concentration exceeds the established threshold (170 MPN/100 mL), the beach is posted with a water-quality warning.

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| **Villa Angela and Euclid nowcast backup model — 2017** | |
| **Model information** | **Explanatory variables** |
| Data used to develop the model (years): 2013-16  Predicted *E.* coli concentration threshold = 170 MPN/100 mL | * Air temperature * Weather conditions * Wave height * Turbidity * Specific conductance * Daily mean discharge, previous day, for Euclid Creek at Cleveland OH, USGS 04208700 |

\*\*\*Eric, there was a Weather Category listed for this model. Can you describe what this is? I’d like to record that info in detail elsewhere, but I’d also like to mention it here briefly.

\*\*\*Amie, I just put down “weather condition” for the weather category variable in the table above for you. Below are the categories for your record.

1. Clear
2. Partly Cloudy
3. Overcast
4. Light rain
5. Heavy Rain