**Presque Isle State Park—Erie, Pa.**

**Pine Tree Beach**

The nowcast has been used at Pine Tree Beach since 2010 (publically since 2017).

The information on this page is updated by the Regional Science Consortium or the U.S. Geological Survey by noon every day of the recreational season. This nowcast issues advisories and predicts the probability once a day at the posted time only. There are other factors that would prompt a Beach Manager to issue either a precautionary swimming advisory or a precautionary swimming restriction based on high wave activity and/or heavy rain events immediately following a hot, calm period of weather.

**Variables used in the Pine Tree Beach nowcast model**

The variables below will be used in a model to predict the probability of exceeding the *Escherichia coli* (*E. coli*) recreational water-quality standard of 235 colony forming units/100 mL (CFU/100 mL). If the probability exceeds the established threshold (19%), the beach is posted with a swimming advisory.

During 2017, there is one full-season model for Presque Isle State Park Pine Tree Beach.

**Pine Tree Beach – 2017**

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| Model information | Explanatory variables |
| Data used to develop the model (years): 2010-2015  Threshold probability = 19% | * Turbidity * Water Temperature * Wave height, change in 24 hours * Rainfall in the past 24 hours, Erie International Airport |

