

**CITY OF RACINE BOARD OF HEALTH  
OCTOBER 10, 2023**

**DEPARTMENT:** Laboratory Division

**PREPARED BY:** *Stephan Kurdas – Laboratory Services Coordinator*

**MONTH:** *September 2023*

**Highlights**

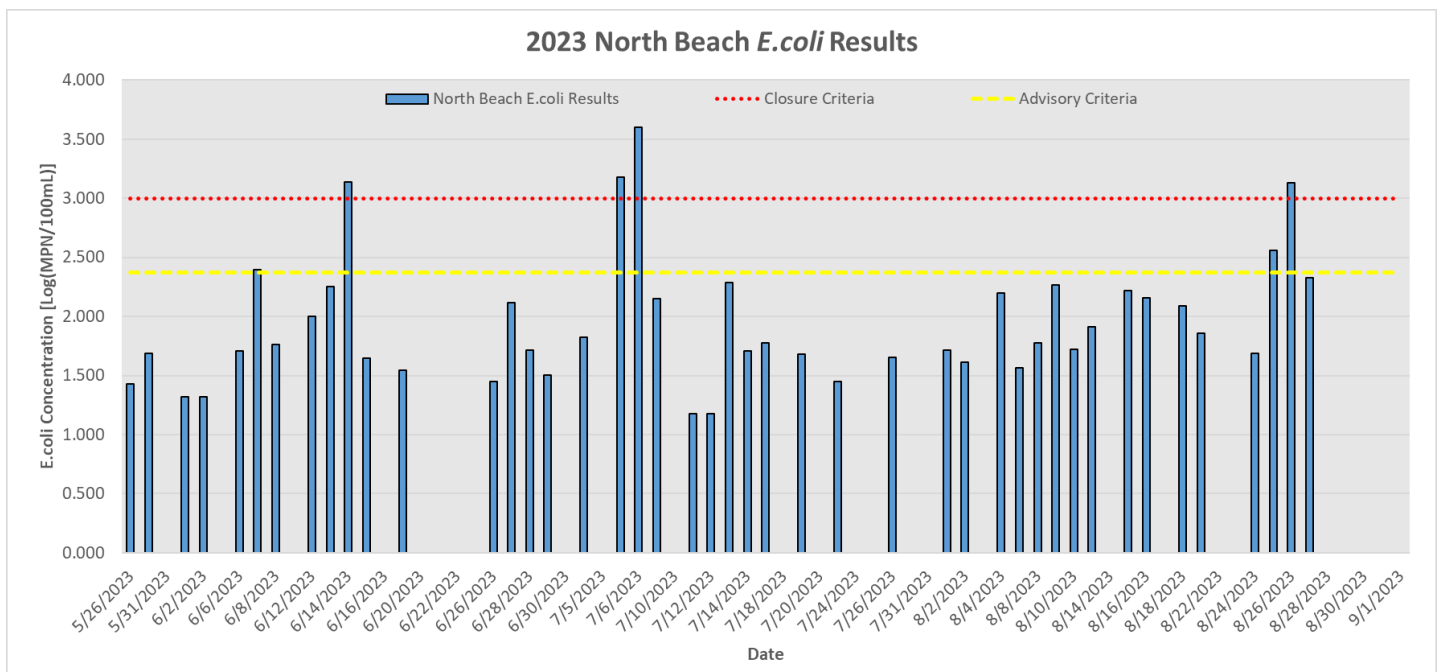
<b>Date</b>	<b>Meeting</b>	<b>Purpose</b>	<b>Outcome</b>
September 2023	Great Lakes Community Conservation Corps (GLCCC)	Preventative Maintenance & Improvements	Engaged with the GLCCC to provide assistance with replacing warped or damaged cord walk, tree trimming, and increase the drainage channel at North Beach and Sam Myers.
September 2023	Year End Recreational Water Summary	Report Results and Conditions	See attached report.
September 06, 2023	2024 Republican National Convention (RNC)	Regional Update	Situational updates and planning progress reports were completed.
September 13, 2023	Public Health Emergency Response Plan (PHERP) Workgroup/Southeastern Wisconsin Emergency Health Care Readiness Coalition (HERC) Region 7	Mediation Distribution	Regional updates focused on county adjacent partners and review of proposed medication distribution.
September 15, 2023	Southeastern Wisconsin Emergency Health Care Readiness Coalition (HERC) Region 7	Updates	HERC Region 7 membership were provided information on regional training opportunities and upcoming exercises.

# 2023 City of Racine Recreational Waters Summary Report

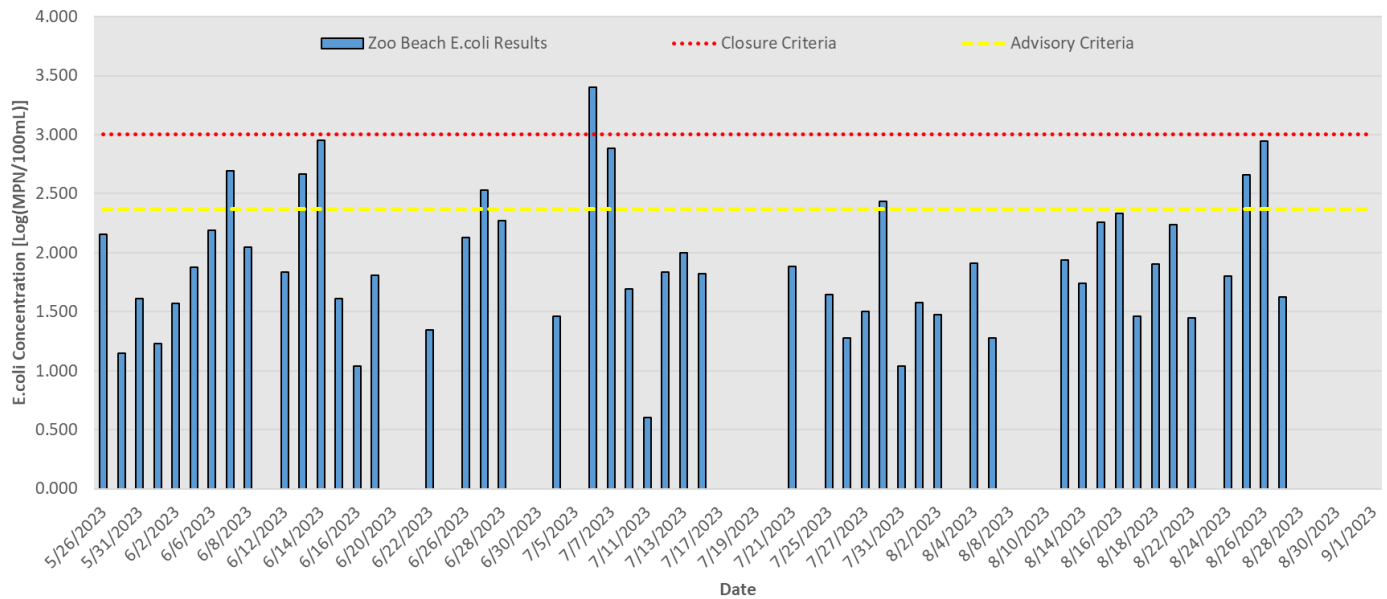
Below is a summary of the 2023 beach season for recreational waters monitored by the City of Racine Public Health Department and with the City of Racine municipal limits. North and Zoo beach are the primary bathing beaches for city residents and visitors to engage from June until September. Laboratory staff will typically collect samples between 7AM and 12PM. For North and Zoo Beach, when using qPCR (Quantitative Polymerase Chain Reaction), results are typically available before 11AM. For Sam Myers, IDEXX Colilert® or Colilert-18® will provide results the next day before 8AM. Beach actions, advisories or closures, are published based on the interpretation of the results and whether those results exceed the single sample maximum criteria established by the WI Department of Natural Resources Beach Monitoring Program. Advisories are declared at levels between 236 – 1000 MPN or CCE per 100mL of sample. Closures are declared for levels above 1,000 MPN or CEE per 100mL of sample. In total, 546 samples were collected for the evaluation of the recreational waters within the City of Racine.

## Water Quality Statistics

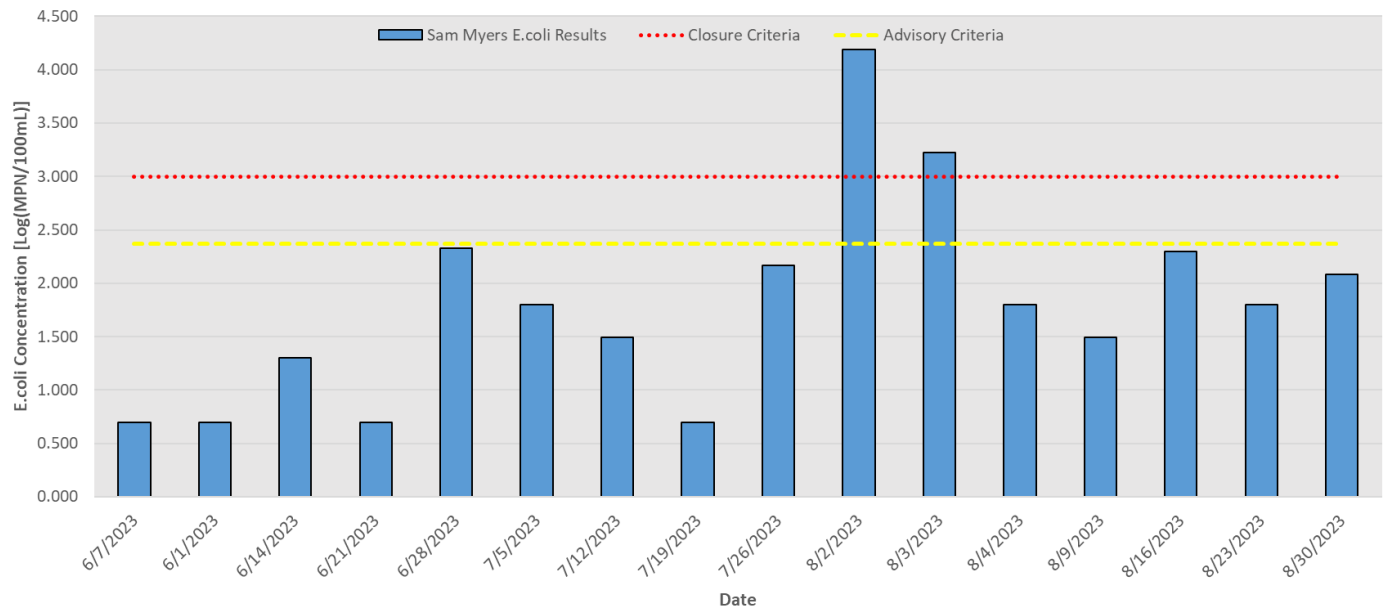
2023 Beach Season	North Beach	Zoo Beach	Sam Myers
<b>Advisories</b> ( <i>&gt;235 MPN or CCE/100mL</i> )	4	8	0
<b>Closures</b> ( <i>≥1,000 MPN or CCE/100mL</i> )	2	1	2
<b>Number of Samples</b>	66	66	16
<b>Percent of Samples Passing</b>	90.9%	86.4%	87.5%
<b>Median E.coli Value</b> ( <i>MPN or CCE/100mL</i> )	35	37	63



### 2023 Zoo Beach E.coli Results



### 2023 Samuel Myers Off-shore Swim Zone E.coli Results



## Dangerous Currents

The 2023 beach season began the use of a 3 light (Green, Yellow, & Red) system to raise awareness of bathing safety at North and Zoo Beaches. These signs automatically update the light color based on NOAA swim risk levels forecasted within the Great Lakes. When necessary, the lights were manually adjusted to reflect water quality changes or on-site assessment of safety based on existing wave and current characteristics. A brief summary of the events since implementation of the signs is shown below.

Beach	Moderate Swim Risk	High Swim Risk	Total Events
North/Zoo	15	9	11