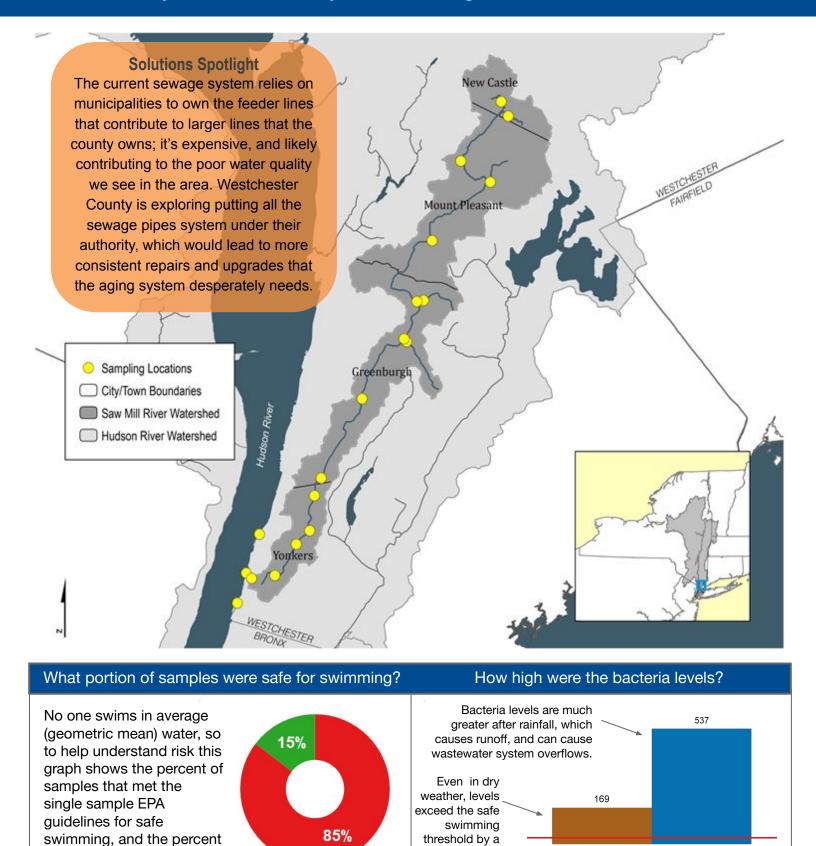
# **SAW MILL RIVER**

of samples that didn't.

## Community Water Quality Monitoring Results

2015-2022



**More**: Explore a watershed map, data from each sampling site, year-to-year patterns and other info at <a href="https://www.riverkeeper.org/water-quality/citizen-data/saw-mill-river">www.riverkeeper.org/water-quality/citizen-data/saw-mill-river</a>.

significant

amount.

Geometric Mean of Entero Counts (cells/100 mL)

Wet Weather — EPA Threshold

■ Dry Weather

#### **Community Science**

The water quality data presented here are based on an analysis of 1387 samples collected since 2015 by community scientists. (No samples were collected in 2020.) Samples are collected twice per month from May to October and processed by the Sarah Lawrence College Center for the Urban River at Beczak. To get involved, contact Katie Lamboy at klamboy@sarahlawrence.edu.

### Why We Measure Bacteria

Fecal indicator bacteria such as Enterococcus ("Entero") usually do not make us sick. But because they live in the guts of warm-blooded animals, when these bacteria are present in water, pathogens that can make us sick may also be present.

Sources of fecal bacteria may include sewer overflows and failures, inade-

quate sewage treatment, urban or farm runoff, septic system failures, wildlife and contaminated sediment.

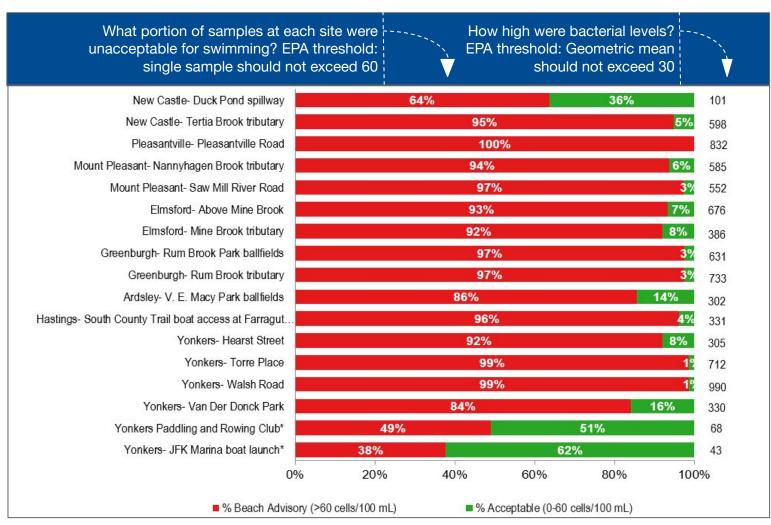
While research continues, the EPA has set thresholds to define if water is safe for swimming based on decades of science relying on measurements of these bacteria. Data are shown in Entero cells per 100 mL.

#### A Little About the Saw Mill

No, it's not just a parkway! The Saw Mill River flows more than 20 miles from Chappaqua to Yonkers. The river has been extensively disturbed to make way for transportation and wastewater infrastructure, and for flood control.

#### **Signs of Progress**

Sarah Lawrence faculty are currently conducting a sewage pollution source tracking study utilizing qPCR. The study will quantify the amount of fecal bacteria in the Saw Mill originating from humans, dogs, and birds, helping guide management decisions.



<sup>\*</sup>These Hudson River sites were sampled weekly in 2015-2016, twice monthly beginning in 2017.



