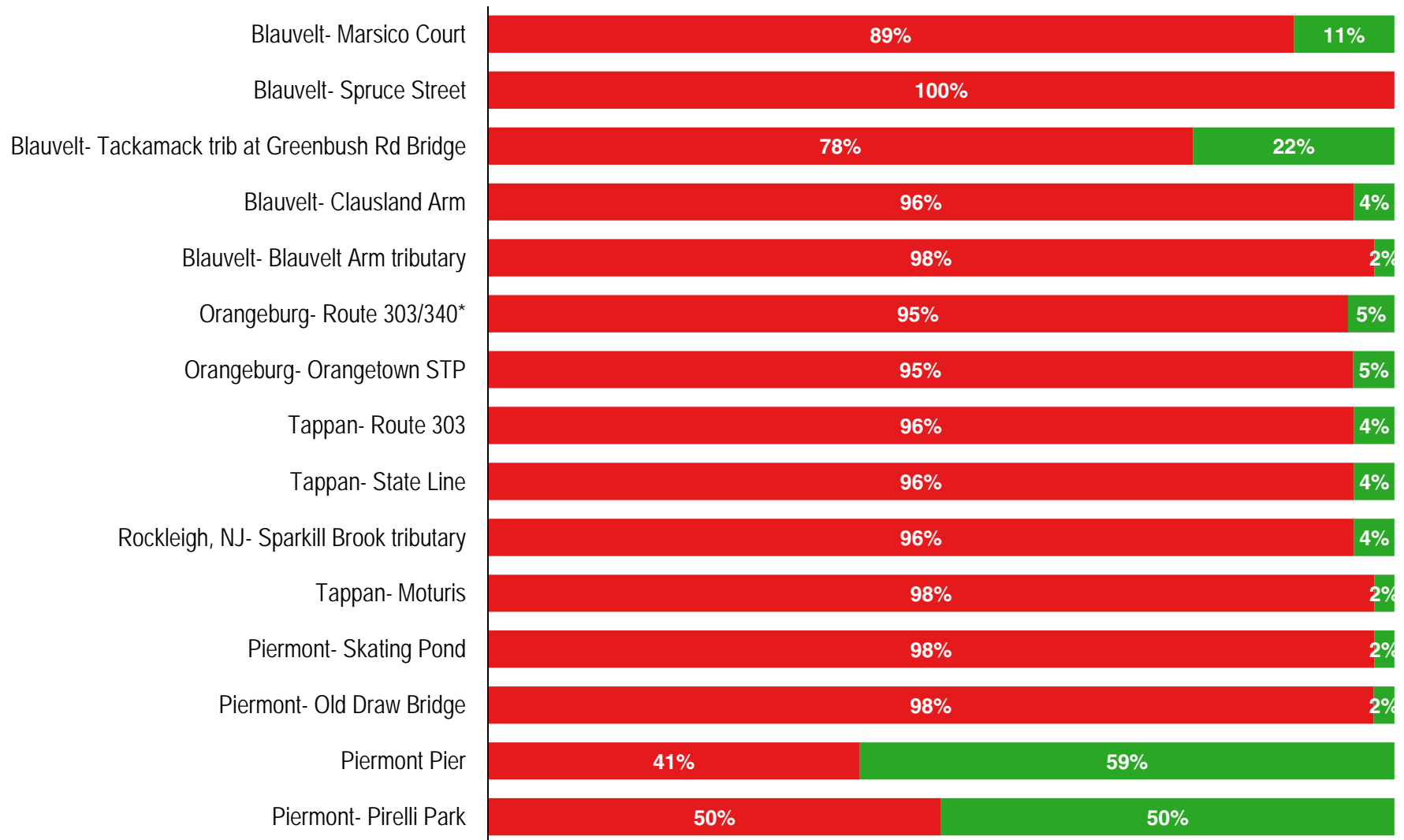




Sparkill Creek: % Samples Achieving EPA Safe Swimming Guideline

*Samples collected by Sparkill Creek Watershed Alliance members, and processed by Lamont-Doherty Earth Observatory (2018), Sarah Lawrence College Center for the Urban River (2015-2018), or Riverkeeper (2011-2014)
Results are based on 34-45 samples per site, collected from May-October, 2011-2018
EPA's recommended Beach Action Value (BAV) is a guideline for day-to-day beach management*



■ % Beach Advisory (>60 cells/100 mL) ■ % Acceptable (0-60 cells/100 mL)

*Site not sampled in 2017

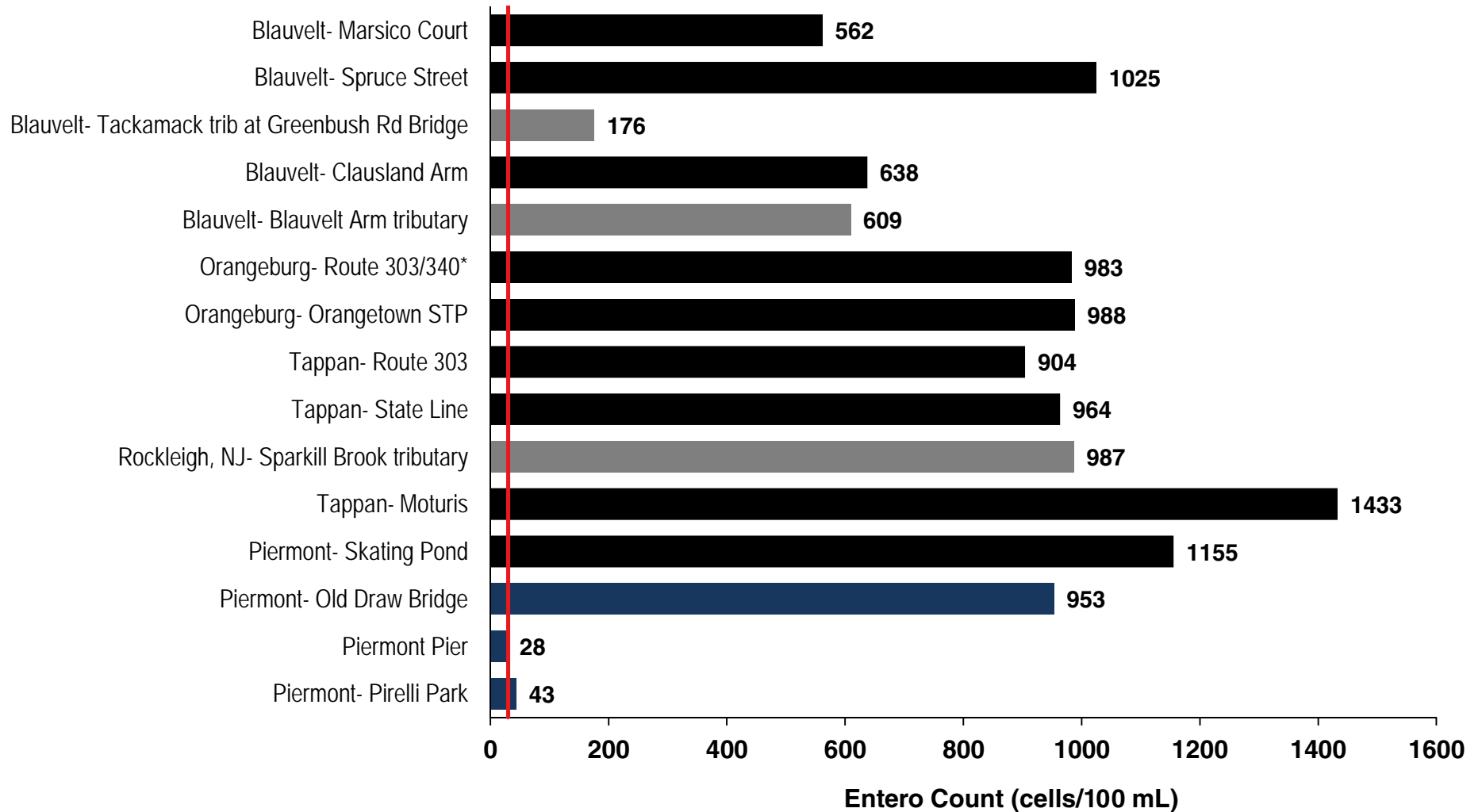


Sparkill Creek: Geometric Means of *Enterococcus* Counts

Samples collected by Sparkill Creek Watershed Alliance members, and processed by Lamont-Doherty Earth Observatory (2018), Sarah Lawrence College Center for the Urban River (2015-2018), or Riverkeeper (2011-2014)

Results are based on 34-45 samples per site, collected from May-October, 2011-2018

The geometric mean (geomean) is a weighted long-term average



Geomean (Gray = Tributary, Blue = Tidal/Hudson)

 EPA Geomean Criterion (30 cells/100 mL)

*Site not sampled in 2017



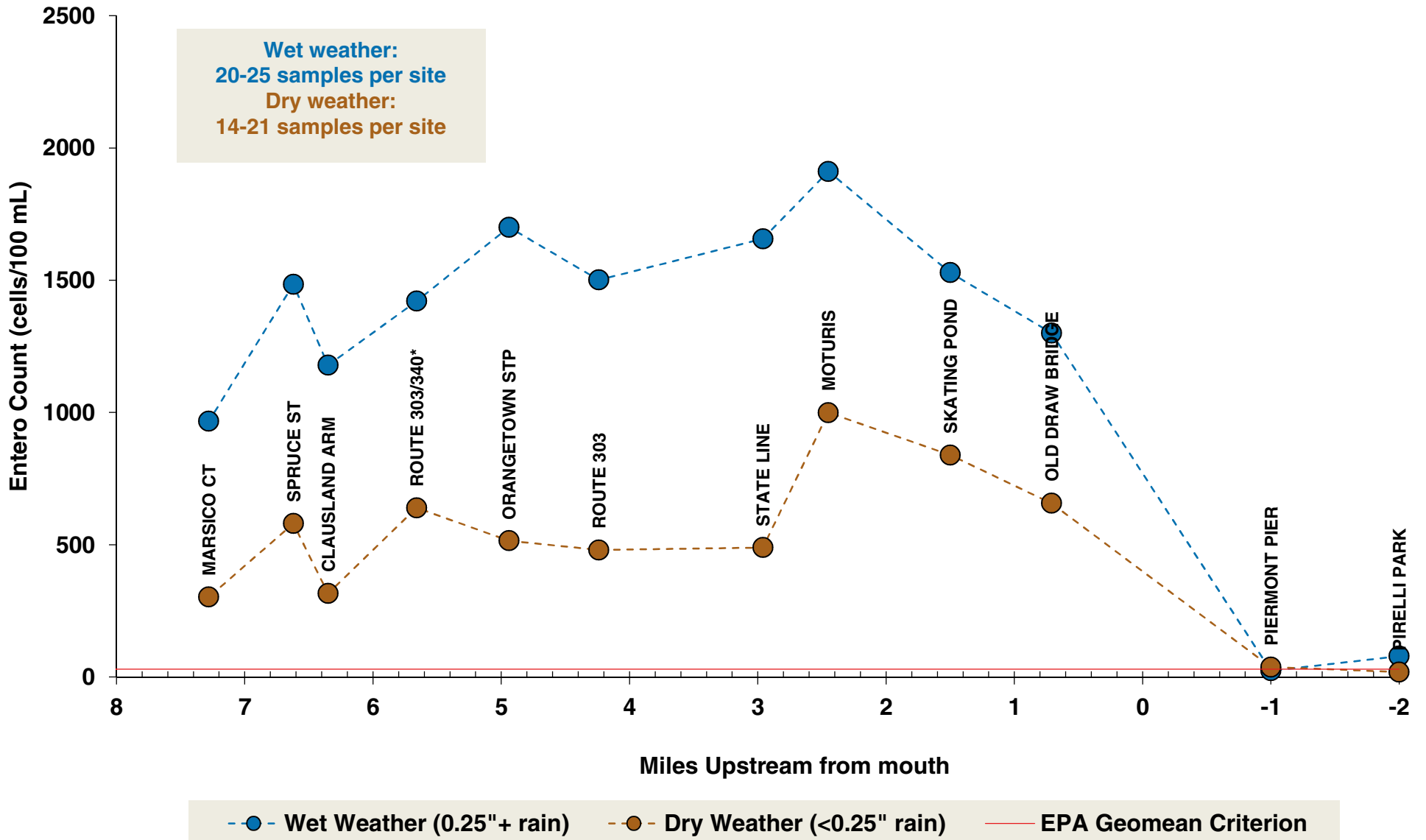
Sparkill Creek: Geometric Means of *Enterococcus* Counts in Wet & Dry Weather

Samples collected by Sparkill Creek Watershed Alliance members, and processed by Lamont-Doherty Earth Observatory (2018), Sarah Lawrence College Center for the Urban River (2015-2018), or Riverkeeper (2011-2014)

Results are based on 34-45 samples per site, collected from May-October, 2011-2018

The geometric mean (geomean) is a weighted long-term average

Wet weather is defined as greater than or equal to 0.25" of total rainfall on the day of sampling plus three prior days



*Site not sampled in 2017

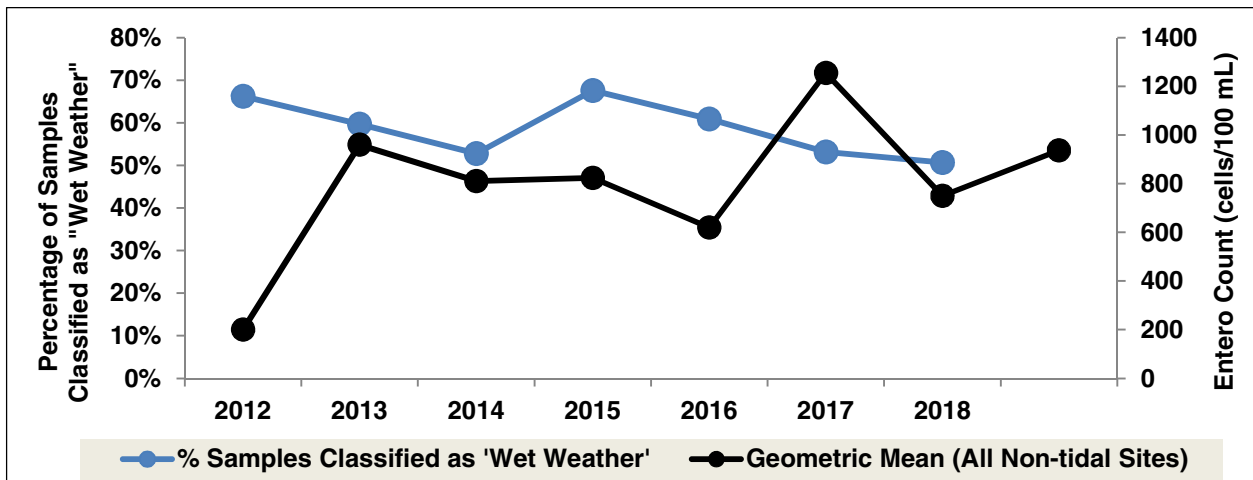
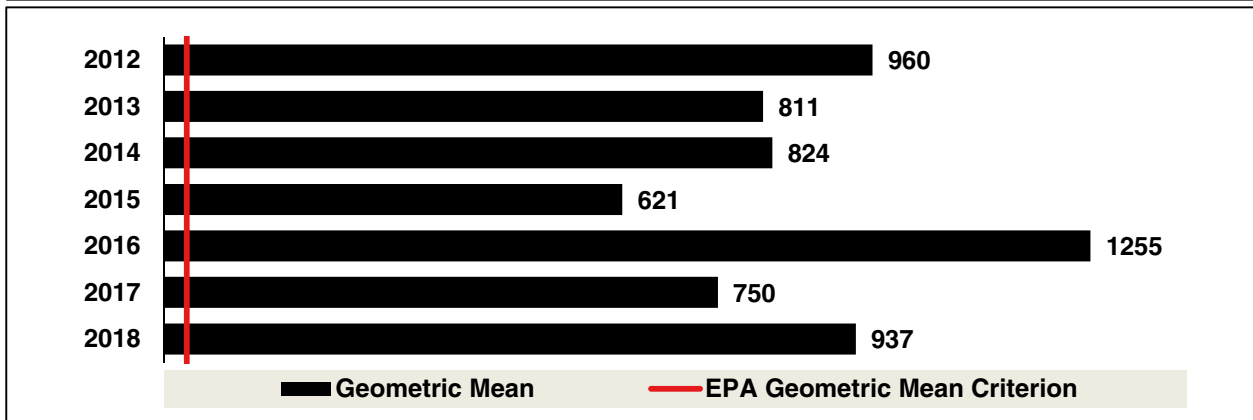
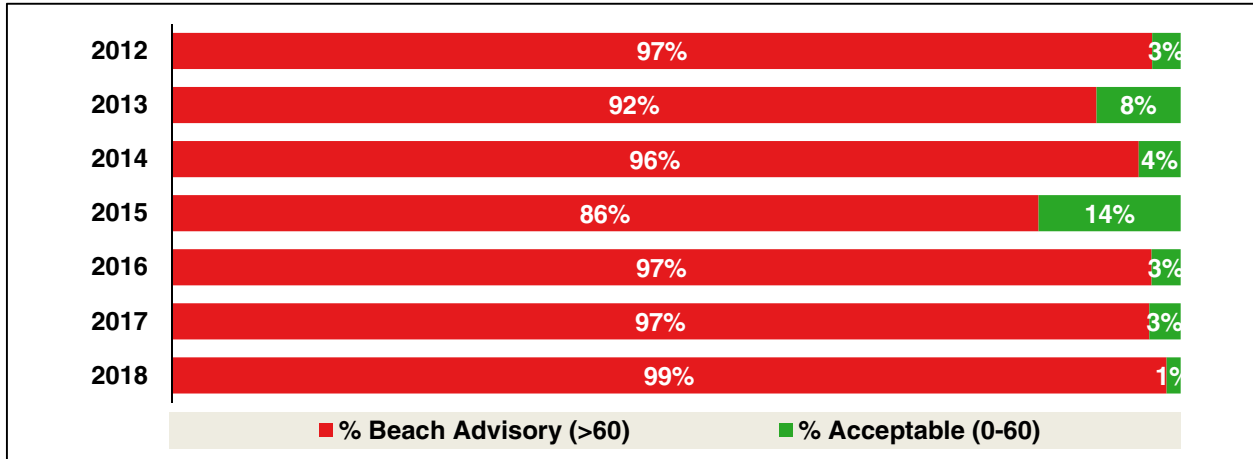
Sparkill Creek *Enterococcus* Monitoring Results Year-by-Year Comparison, 2012-2018

Samples collected by Sparkill Creek Watershed Alliance members, and processed by Lamont-Doherty Earth Observatory (2018), Sarah Lawrence College Center for the Urban River (2015-2018), or Riverkeeper (2011-2014).

Results are based on 64-72 samples per year, collected from May-October, 2012-2018. Sampling was limited in 2011 so it is excluded from this comparison. Locations sampled have changed slightly in some years.

The geometric mean (geomean) is a weighted long-term average.

Wet weather is defined as greater than or equal to 0.25" of total rainfall on the day of sampling plus three prior days.



Enterococcus Monitoring Results: Hudson River Watershed Snapshot

Enterococcus is an indicator of fecal contamination. Bars show the geometric mean, a weighted average, of all non-tidal samples. Results are from 14-937 samples collected May-October, 2010-2018. Date ranges vary by watershed. Samples were collected and processed by a network of community scientists and labs.

