

Yarmouth SARS-CoV-2 (COVID-19) Wastewater Testing Results — December 8, 2022

- The adjusted virus levels were 1,912 and 851 copies/mL in the two most recent wastewater samples (December 5–6 and December 7–8).
- Viral levels for November 1 through December 8 fluctuated between 353 and 1,912 copies/mL. The overall trend was slightly upward during this period (Figure 1, Table 1).
- November viral levels averaged 777 copies/mL, as compared to monthly averages of 1,096 copies/mL during August, 1,240 copies/mL during September, and 1,635 during October.
- Yarmouth’s November viral levels were similar those measured in Portland’s and Brunswick’s November wastewater samples. The trends during November for Brunswick’s, Portland’s East End Facility, and Portland’s Westbrook-Gorham Regional Facility were relatively flat.
- In late November and early December, the highest state wastewater SARS-CoV-2 virus levels were in Maine, Massachusetts, and Utah, followed by the other New England States, Iowa, Oregon, Puerto Rico, and Wyoming.
- Weekly cases of COVID-19 for Yarmouth—as reported by Maine CDC—ranged from 2 to 18 for August through December 4, 2022, with 2 cases reported for November 21–27 and 7 cases for November 28–December 4. These case counts are likely to be lower than the actual number of cases due to reduced testing and increased self-testing (home testing), which is not reported to Maine CDC.
- In light of the levels of SARS-CoV-2 in Yarmouth's wastewater during November and early December, we are keeping the COVID-O-Meter at the Moderate level.



Figure 1. Results of weekly Wastewater Testing for SARS-CoV-2 for Yarmouth, Maine, from May 3, 2022, through December 8, 2022.

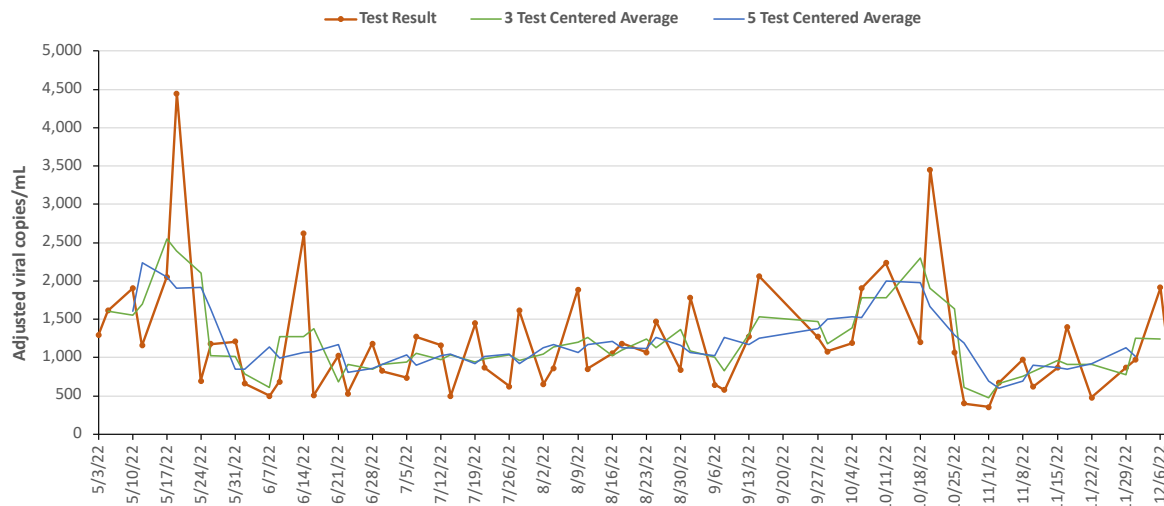


Table 1. Results of US CDC–Biobot wastewater testing for SARS-CoV-2 for Yarmouth, Maine, May 3–December 8, 2022

Sample Submission date†	Effective virus concentration‡ (copies/mL)	Sample Submission date†	Effective virus concentration‡ (copies/mL)	Sample Submission date†	Effective virus concentration‡ (copies/mL)
3 May	1,292	25 August	1,468		
5 May	1,612	30 August	841		
10 May	1,903	1 September	1,775		
12 May	1,156	6 September	642		
17 May	2,047	8 September	578		
19 May	4,447	13 September	1,275		
24 May	692	15 September	2,063		
26 May	1,174	27 September	1,270		
31 May	1,207	29 September	1,078		
2 June	660	4 October	1,186		
7 June	499	6 October	1,906		
9 June	684	11 October	2,236		
14 June	2,619	18 October	1,204		
16 June	502	20 October	3,452		
21 June	1,022	25 October	1,065		
23 June	527	27 October	398		
28 June	1,180	1 November	353		
5 July	738				
7 July	1,271				
12 July	1,162				
14 July	497				
19 July	1,448				
21 July	864				
26 July	621				
28 July	1,616				
2 August	652				
4 August	863				
9 August	1,887				
11 August	850				
16 August	1,052				
18 August	1,180				

† 24-hour influent wastewater samples are collected proportional to flow from 7am on day 1 to 7am on day 2. Day 2 is the sample submission date.

‡ Effective virus concentration value is derived by adjusting the raw virus concentration to account for dilution and other factors.

We recommend that the Yarmouth Community continue to exercise caution:

- Get vaccinated and boosted. Bivalent boosters with the original vaccine component and a new component based on the common variants currently circulating (i.e., BA.4 and BA.5) are available from Moderna and Pfizer.
- Consider wearing a mask in indoor public places particularly if you are unvaccinated, 60 years of age or older, or immune compromised.
- Avoid crowded indoor spaces.
- When indoors, good ventilation (air exchange) is important.
- Test with a rapid antigen test when gathering with friends and family who have been out and about, or if you will be spending time with people at higher risk.
- If you have COVID, leave isolation only after you have a negative rapid antigen test.
- Persons who are immune compromised due to medical conditions or medical treatments should take particular care, as should those around them.