Keene State College and City of Keene Wastwater Epidemiology Project
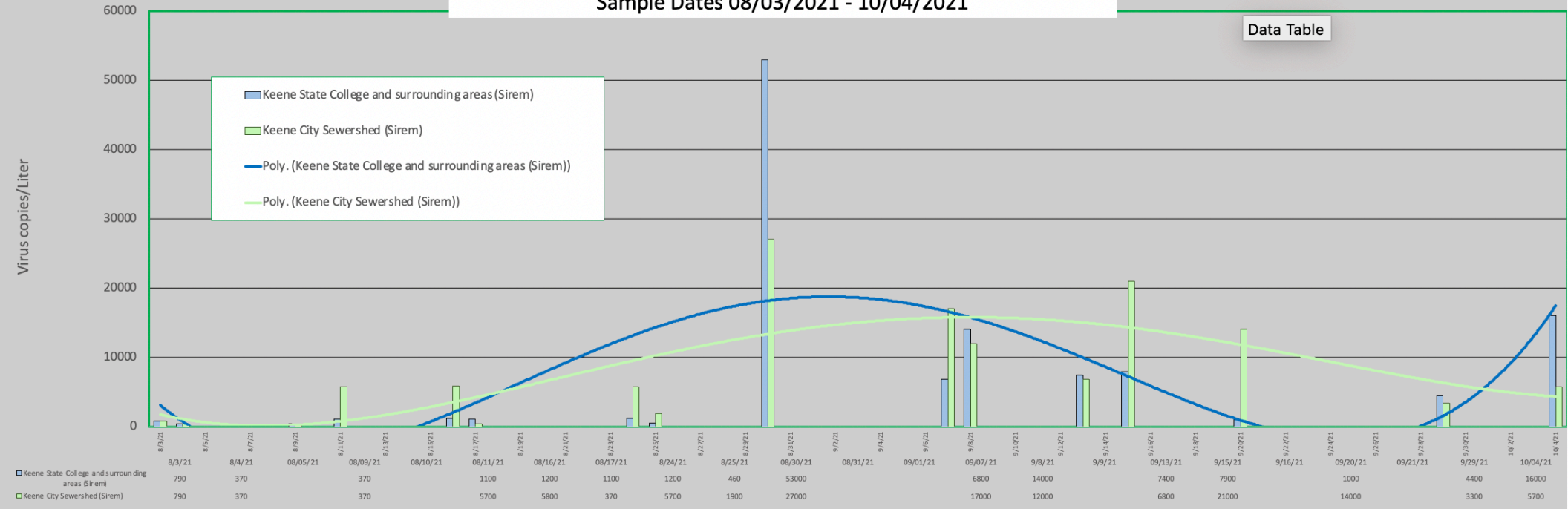## Sample Dates 08/03/2021 - 10/04/2021

Legend:
- Keene State College and surrounding areas (Sirem)
- Keene City Sewershed (Sirem)
- Poly. (Keene State College and surrounding areas (Sirem))
- Poly. (Keene City Sewershed (Sirem))

Y-axis: Virus copies/Liter

Data Table

	8/3/21	8/4/21	08/05/21	08/09/21	8/10/21	08/11/21	08/16/21	08/17/21	8/24/21	8/25/21	08/30/21	08/31/21	09/01/21	09/07/21	9/8/21	9/14/21	9/15/21	9/16/21	09/20/21	09/21/21	9/29/21	10/04/21
Keene State College and surrounding areas (Sirem)	790	370	370		1100	1200	1100	1200	460	53000			6800	14000		7400	7900			1000	4400	16000
Keene City Sewershed (Sirem)	790	370	370		5700	5800	370	5700	1900	27000			17000	12000		6800	21000			14000	3300	5700

The Keene Wastewater Surveillance Epidemiology Project uses **bi-weekly** samples collected by the City from the wastewater (sewage) system that supports the entire City of Keene and a subset that supports the College and surrounding areas. These are samples were tested by the **Sirem Lab**. Wastewater surveillance has been shown to provide a reliable measurement of the level of SARS-CoV-2 infection in the community before active cases show symptoms. The graph shows the number of SARS-CoV-2 copies detected in the wastewater per liter sampled and is used as a relative indicator of the level of infection in the community. The trend lines are based on the virus levels over the entire sampling period and are smoothed to show the potential direction of future infections. When the analysis results are below the limit of detection for the analytical method, the limit of detection is reported. So, even when no virus is detected, the reported value is the limit of detection. The project team monitor the actual wastewater reports and the trend lines to assist the College and City to quickly identify a potential outbreak. This dashboard will be updated weekly.