Agua Nueva Wastewater Based Epidemiology

- WBE N1 Result
- WBE N2 Result
- 7 day clinical look ahead
- Clinical past 7 days
- Clinical 13 day bracket

GC/L vs. CASES

Dates from 3/20/20 to 12/14/20 with GC/L levels ranging from 1 to 1,500,000.
• Left axis is log scale for genetic copies/mL of Agua Nueva influent

• Right axis is confirmed clinical cases reported by Health Department

• WBE qPCR detects both symptomatic and asymptomatic viral shedders (we see the entire population, not just those seeking to be tested)

• Last two weeks concentration increased from 8M-13M-22M gc/mL

• Developing a model to correlate # of infected per population based on WBE

• ~80% of people are asymptomatic

• Nationwide HHS study underway with Tres Rios participating