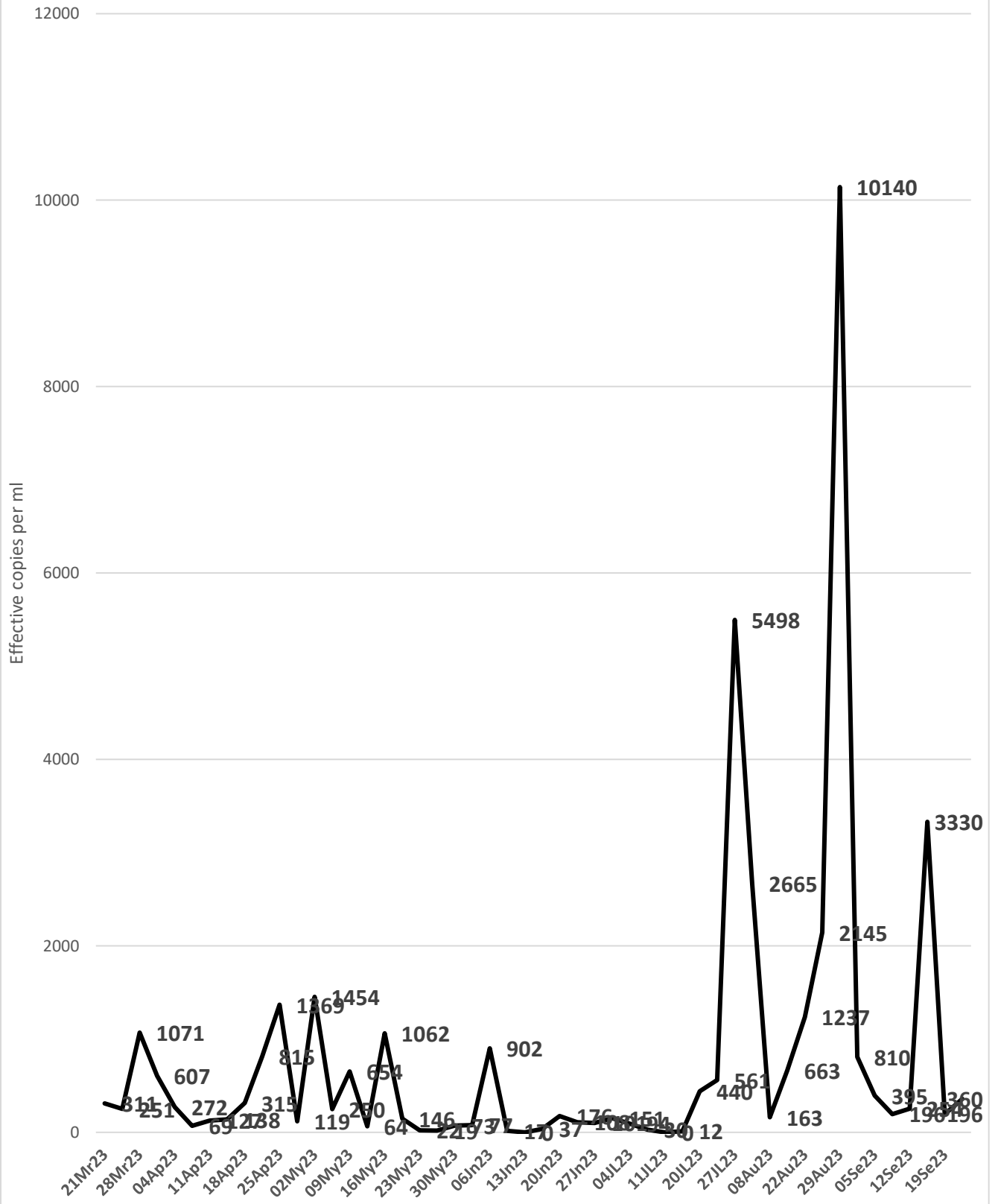


City of Key Colony Beach

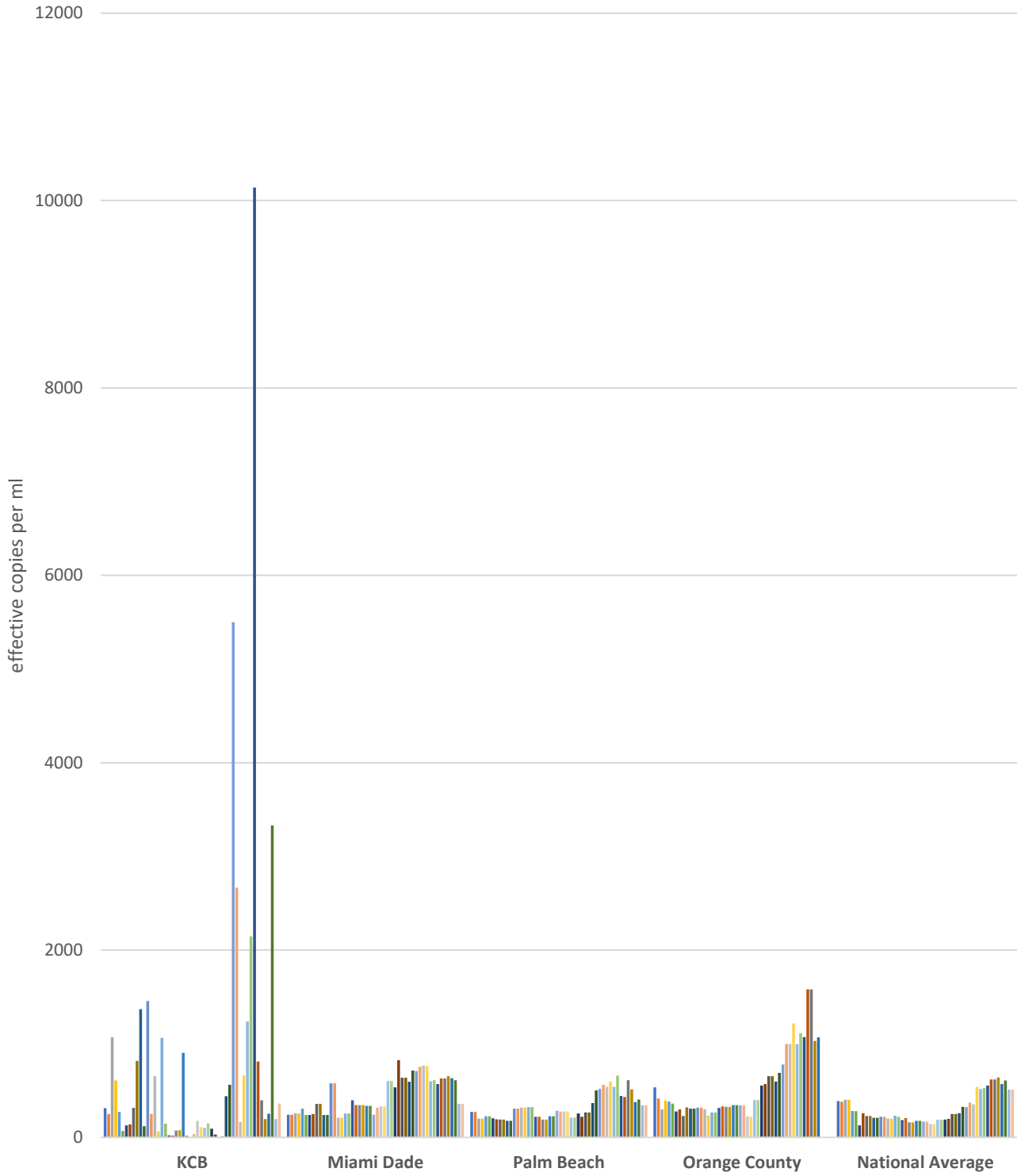
Wastewater Sampling Update for Concern Virus's – October 02, 2023

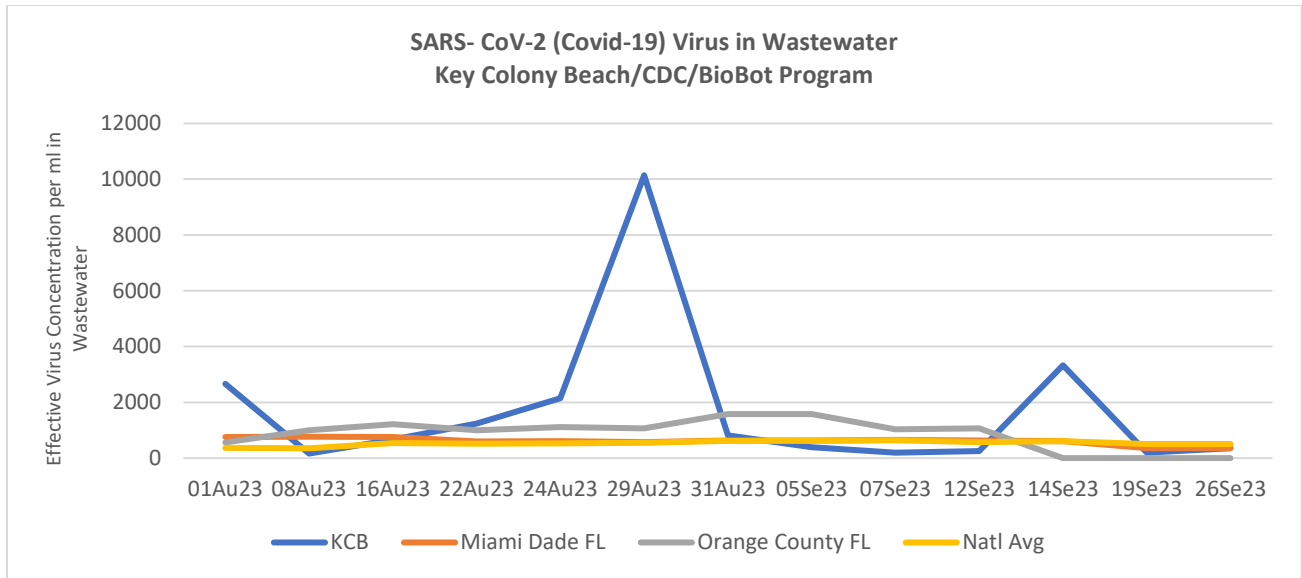
- ✓ **SARS-CoV-2 Virus – Covid -19**
 - **General overview data from CDC and Florida Dept of Health websites:**
 - CDC Hospitalizations Summary – 286 cases, -19 % decrease (Broward, Miami-Dade, and Monroe County data together, data through 23Se23).
 - CDC Death rates due to Covid-19 in the last week for Florida, 3.6%, a 12.5% increase from last week (data through 23Se23)
 - Florida Department of Health Weekly Situation Report (data for week 22Se23 – 28Se23).
 - Overall State of Florida – 9,540 new cases (decreasing)
 - Monroe County - 22 new cases (decreasing)
 - Dade County – 1,128 new cases (decreasing)
 - Broward County – 740 new cases (decreasing)
 - **Specific data for Key Colony Beach- wastewater sampling (data through 26Se23):**
 - Total KCB specific wastewater samples collected and analyzed to date - 50.
 - **KCB rate decreasing**
 - Plot comparison below vs. other Florida counties and the US overall avg.:

Key Colony Beach Effective SARS-CoV-2 Virus Concentration



SARS-CoV-2 Virus in Wastewater





- ✓ Mpox virus (Monkeypox) virus in Wastewater samples:
 - KCB specific samples to-date have shown no detection of the Mpox virus for Key Colony Beach
- ✓ Update on status for the overall CDC funding to support wastewater sampling program:
 - CDC has announced a new one-year contract with Verily Life Sciences LLC.
 - Enrollment planned for the next few weeks, thus expected to have no samples collected for shipment in the next few weeks until we are enrolled with Verily Life Sciences.

Summary Report by Tom Harding, based on Biobot/CDC/State of Florida data through 01Oc23.