THE SOUTHERN NEVADA HEALTH DISTRICT'S WASTEWATER WEEKLY SURVEILLANCE REPORT

August 04, 2025

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WASTEWATER WEEKLY SURVILLANCE REPORT

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Definitions

Clade: A group that includes a common ancestor and all its descendants.
Dominant Variants: Versions of a virus, gene, or trait that are currently the most widespread or prevalent in a population.
Grab Sample: A single, discrete sample of wastewater collected at a specific time and location.
Liquid matrices: refers to the **fluid portion** of sewage collected for testing and analysis
Solid matrices: Water refers to the **solid material (biosolids or sludge)** that is separated from liquid wastewater during the treatment process.
Wastewater Scan: An organization focused on sewage, community, and network-based efforts that conducts wastewater surveillance to detect pathogens present in wastewater.
Variants of Interest (VOI): Viral variants with genetic changes that may affect transmissibility, diagnostics, or immune escape and are showing signs of increased spread.
Variant of Concern (VOC): A mutated form of a virus that demonstrates one or more of the following characteristics: increased ability to spread, greater severity of illness, reduced effectiveness of treatments, vaccines, or diagnostic tools, and the ability to evade immune protection.
Variants Under monitoring (VOM): KS.1.1, KP.3.3, LP.8.1, NB.1.8.1, KP.3, XFG
Verily: A private laboratory vendor contracted by CDC to test wastewater across the country for pathogen markers.
PMMoV (Pepper Mild Mottle Virus): It is a plant virus commonly found in human feces due to widespread consumption of pepper-containing foods.
Concentration levels: The viral concentration levels classify them into Low, Medium, and High based on tertile cutoffs from the data's distribution. It then identifies the minimum and maximum values within each group to define the range for each concentration level.

Symbols: Increasing: ↑ Decreasing: ↓ No change: →

Purpose

This report highlights the changes in wastewater concentration for selected pathogens within Clark County, Nevada. This report includes data for SARS CoV-2, Influenza (Flu) A, Influenza (Flu) B, Respiratory syncytial virus (RSV), Measles, *Candida Auris,* Rotavirus, Adenovirus group F, Hepatitis A, Parvovirus, Norovirus, and Mpox (clade II). All data was obtained from the Clark County Water Reclamation District, Flamingo Water Resource Center, City of Mesquite, selected Utah wastewater treatment facilities and California wastewater treatment facilities and is analyzed and reported by Wastewater Scan (https://www.wastewaterscan.org/en) and Verily laboratories (https://verily.com/). The map below visualizes the wastewater treatment facilities in Nevada. A map of wastewater treatment facilities in Nevada is provided in the appendix.

WASTEWATER WEEKLY SURVILLANCE REPORT

Executive Summary of August 04, 2025, Report

This report presents the most recent findings from pathogen surveillance conducted through wastewater sampling in Clark County, Nevada, with the final data collected on **July 31, 2025**. The analysis focuses on two sites: the Flamingo Water Reclamation District in Las Vegas and the City of Mesquite. Conducted by Wastewater SCAN and Verily, the surveillance aimed to monitor trends in SARS-CoV-2 and its variants, seasonal respiratory viruses like Influenza A/B and RSV, gastrointestinal pathogens such as Norovirus, Rotavirus, Enterovirus D68, and Hepatitis A, and to compare site-level differences while accounting for variations in sampling and analysis.

SARS-CoV-2 levels were elevated across both locations. In Las Vegas (Flamingo), levels were moderate, while Mesquite showed high concentrations peaking in early July, followed by a slight decline. Variant tracking revealed a rapid emergence of XFG.3 and XDV.1 by late July. Regionally, Las Vegas recorded some of the highest SARS-CoV-2 levels in the U.S., second only to Provo, Utah, indicating a moderate COVID-19 resurgence, likely driven by these new variants.

Influenza activity in Flamingo and Mesquite followed typical seasonal patterns, with Influenza A peaking between January and March, and Influenza B reaching its highest levels in February. Both strains declined after May, and in Mesquite, Influenza B has not been reported since July.

RSV levels remained consistently low or undetectable at both sites, aligning with expected seasonal declines after early 2025 peaks. This indicates minimal ongoing RSV transmission in Southern Nevada during the summer.

Norovirus levels in Flamingo reached an exceptionally high 65,387.92 PMMoV-normalized units, the highest reported across all nine Wastewater SCAN sites. Though Mesquite was not tested for Norovirus, nearby Utah showed elevated levels, pointing to regional activity. Flamingo also recorded high Hepatitis A levels and low to moderate concentrations of Rotavirus and Enterovirus D68, suggesting an increased risk for gastrointestinal and liver related illnesses in the area.

Sampling methods differed: Flamingo used 24-hour composite samples from solid waste analyzed by Wastewater SCAN, while Mesquite relied on liquid grab samples assessed by Verily. These methodological differences likely contributed to variations in measured pathogen levels and should be considered in site-to-site comparisons.

In summary, Las Vegas showed a more complex and intense pathogen profile, especially for SARS-CoV-2, Norovirus, and Hepatitis A. Mesquite's data highlighted elevated SARS-CoV-2 and summer influenza activity. Most other pathogens, particularly RSV, remained low. These findings underscore the value of wastewater surveillance in identifying public health trends and informing timely interventions.

WASTEWATER WEEKLY SURVILLANCE REPORT

Summary of Select Pathogen Concentrations

Latest data point for Flamingo Water reclamation district plant is July 30, 2025

Latest data point for the City of Mesquite plant is July 30, 2025

Pathogen	Concentration Level / Presence- Flamingo	Concentration Level / Presence - Mesquite
SARS-CoV-2	High	High
Influenza A	Low	Low
Influenza B	Low	Low
Respiratory Syncytial virus (RSV)	Low	Low
Norovirus	Low	Not Tested
Rotavirus	Low	Not Tested
Enterovirus D68	Low	Not Tested
Hepatitis A	High	Not Tested
Candida Auris	Low	Not Tested
Adenovirus Group F	Low	Not Tested
Parvovirus	Low	Not Tested
Mpox – Clade I	No Presence	No Presence
Measles	No Presence	No Presence
Mpox – Clade II	No Presence	No Presence
Influenza H5	No Presence	No Presence

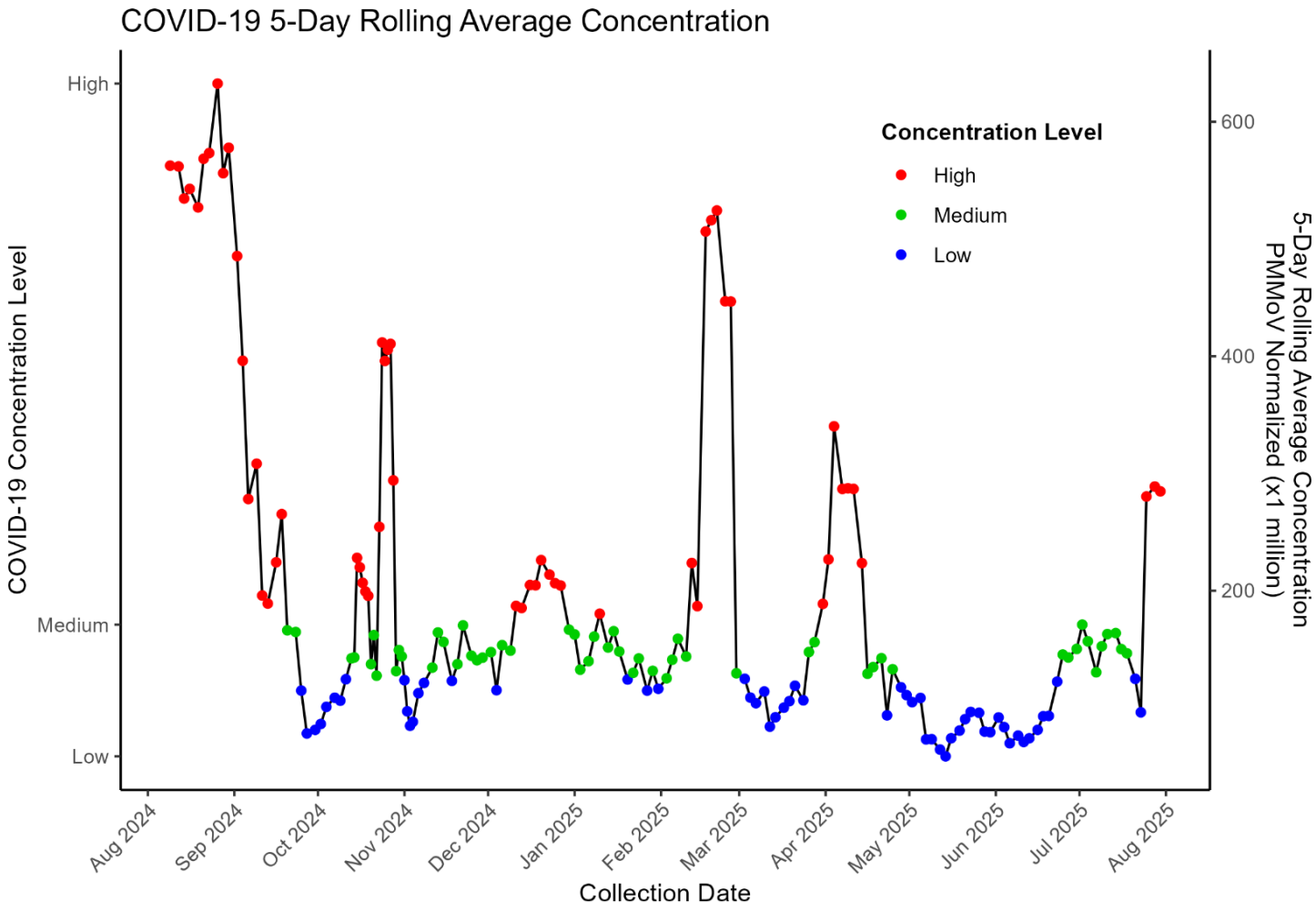
Note: The wastewater data for Las Vegas was collected from the Flamingo Water Reclamation District Plant, where samples were analyzed on solids and sourced from Wastewater SCAN. In contrast, data for the City of Mesquite was analyzed on liquid samples by Verily and provided by the State Wastewater Epidemiology Team. Due to the differences in sample matrices (solids vs. liquids) and analytical methods, variations in virus concentrations between the two facilities are expected. Mesquite sampling is conducted using grab sampling and is not performed over a 24-hour period.

WASTEWATER WEEKLY SURVILLANCE REPORT

COVID-19 Viral Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

This chart tracks the 5-day rolling average concentration of COVID-19 in wastewater at the Clark County Water Reclamation District, Flamingo Water Resource Center, from August 2024 to July 30, 2025. Initially, in August and September 2024, COVID-19 levels were consistently High (red), peaking above 600 million PMMOV-normalized units. A decline followed through October, reaching Medium and Low levels. Another significant surge occurred in November and March, both with sharp spikes into the High range. From December 2024 to July 2025, concentrations largely fluctuated between Low (blue) and Medium (green), with only brief returns to High levels in January, March, and late July. The data show a cyclical trend with intermittent spikes in viral load, particularly during colder months. The most recent data in late July 2025 suggests an uptick back into the High category.

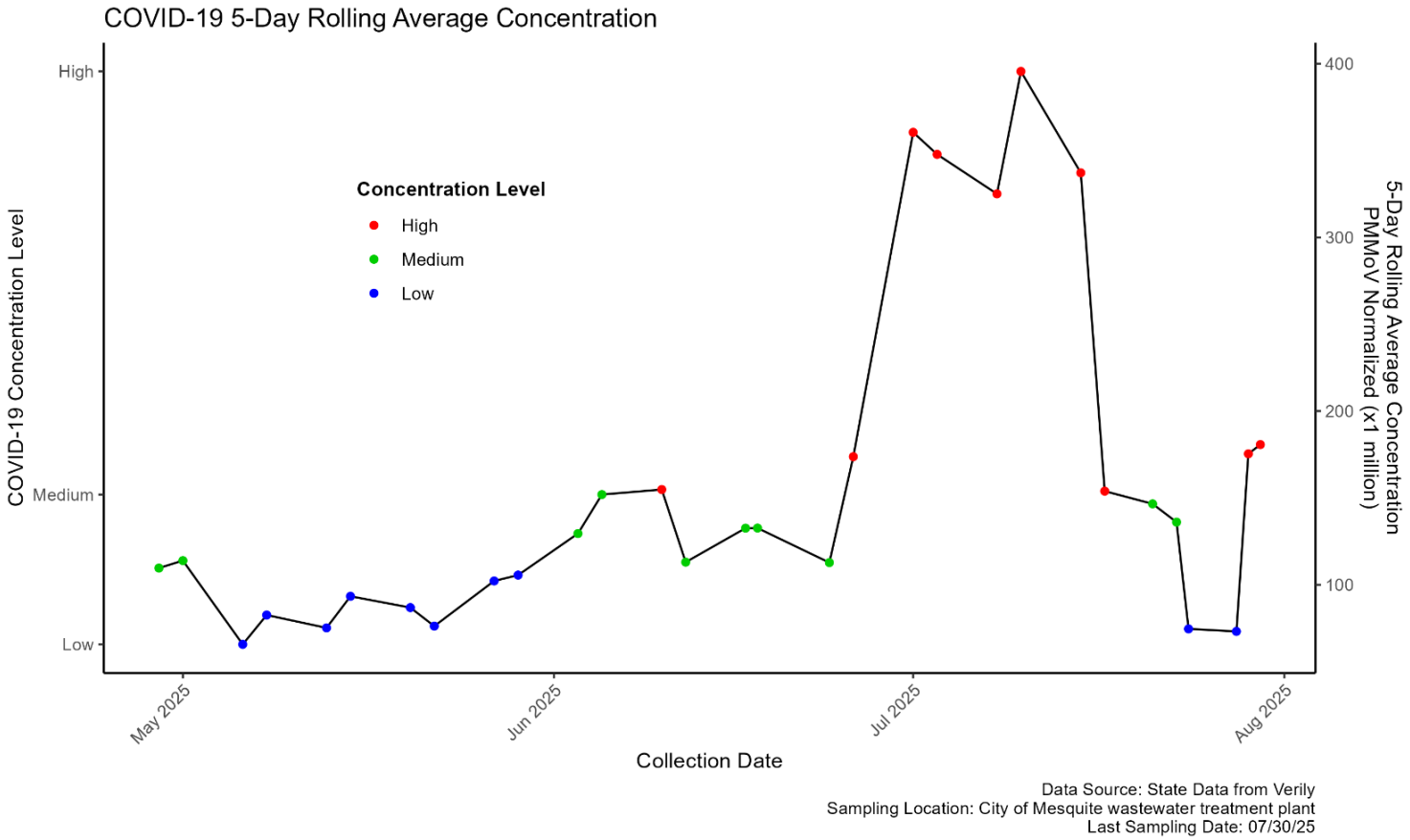


Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date: 07/30/25

WASTEWATER WEEKLY SURVILLANCE REPORT

Mesquite Wastewater Treatment Plant

The chart shows COVID-19 concentrations in Mesquite wastewater from May to July 2025, using a 5-day rolling average. Levels remained low to medium through May and June but surged to high concentrations in early July, peaking mid-month. A sharp decline followed, though levels began rising again by the end of July. The data, sourced from Verily and collected at the City of Mesquite wastewater treatment plant, reflects a significant spike in viral activity during July, with the last sample taken on July 30, 2025.



SARS – CoV-2 Concentrations Interpretation:

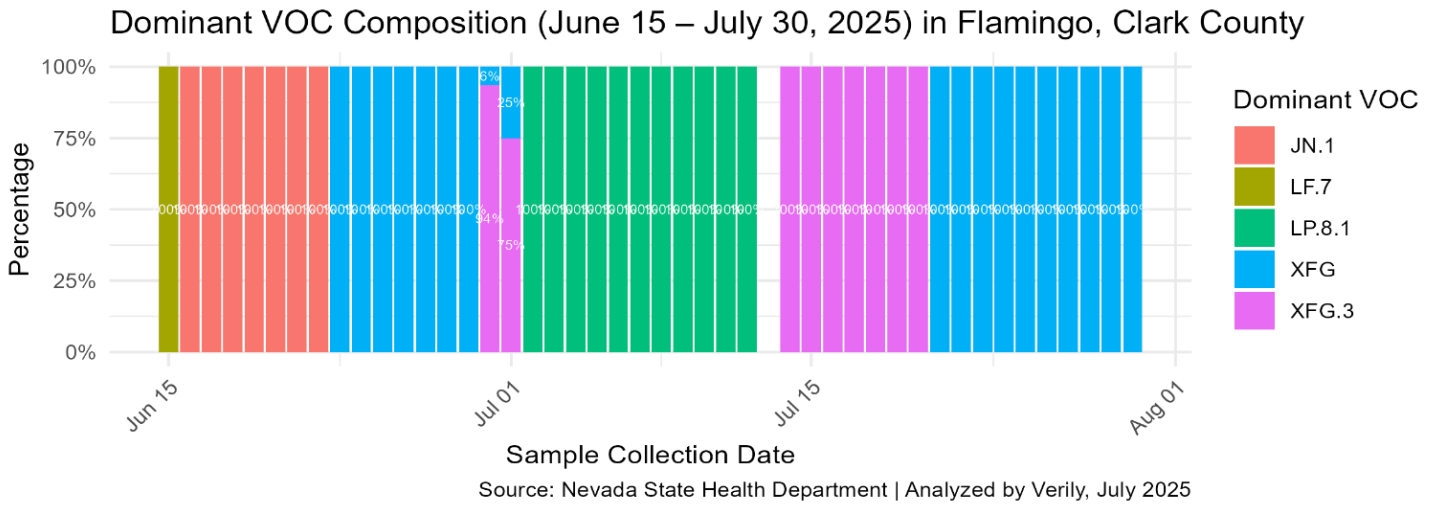
As of July 31st, 2025, wastewater data from nine treatment plants across Nevada, California, and Utah show varying 5-day rolling means of viral presence. The highest levels are reported at Flamingo Water Resource Center (284.74) and Central Valley Water Reclamation Facility (249.82). Facilities in Los Angeles, Provo, and Riverside also show moderate levels.

Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	284.74	↑	July 30, 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	180.73	↓	July 30, 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	55.91	↑	July 30, 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	57.04	↓	July 30, 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	249.82	↑	July 31, 2025
Provo City Water Reclamation Facility	Provo, UT	Current	193.33	↓	July 31, 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	69.05	↑	July 30, 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	78.18	↓	July 30, 2025
Valley Sanitary District	Indio, CA	Current	7.55	↓	July 30, 2025

SARS-CoV-2 Variants Circulating

Flamingo Water Reclamation District Plant

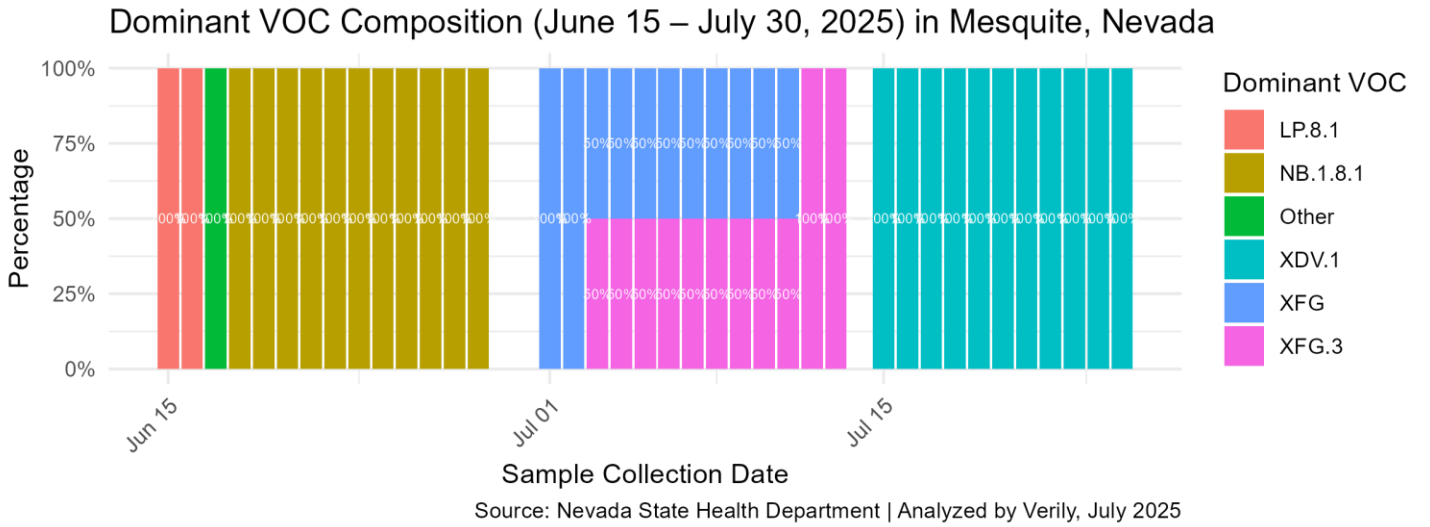
The stacked bar chart shows the daily distribution of SARS-CoV-2 Variants of Concern (VOCs) from mid-June to late July, highlighting significant shifts in variant dominance. JN.1 (orange) is initially the dominant strain, briefly preceded by LF.7 (yellow). By late June, XFG (blue) becomes fully dominant. In early July, XFG.3 (pink) emerges, followed by the rise of LP.8.1 (green), which leads until mid-July. Around July 30, XFG takes over completely and remains dominant through the end of the month, reflecting rapid variant transitions.



Source: Nevada State Health Department | Analyzed by Verily, July 2025

Mesquite Wastewater Treatment Plant

The stacked bar chart illustrates the daily distribution of SARS-CoV-2 Variants of Concern (VOCs) from mid-June to late July, showing clear shifts in variant dominance. LP.8.1 (orange) is initially the leading variant, briefly followed by Other (green) and NB.1.8.1 (yellow). In early July, XFG (blue) and XFG.3 (pink) gain prominence. By late July, XDV.1 (turquoise) becomes the dominant strain, highlighting the fast-paced changes in variant circulation during the observed timeframe.

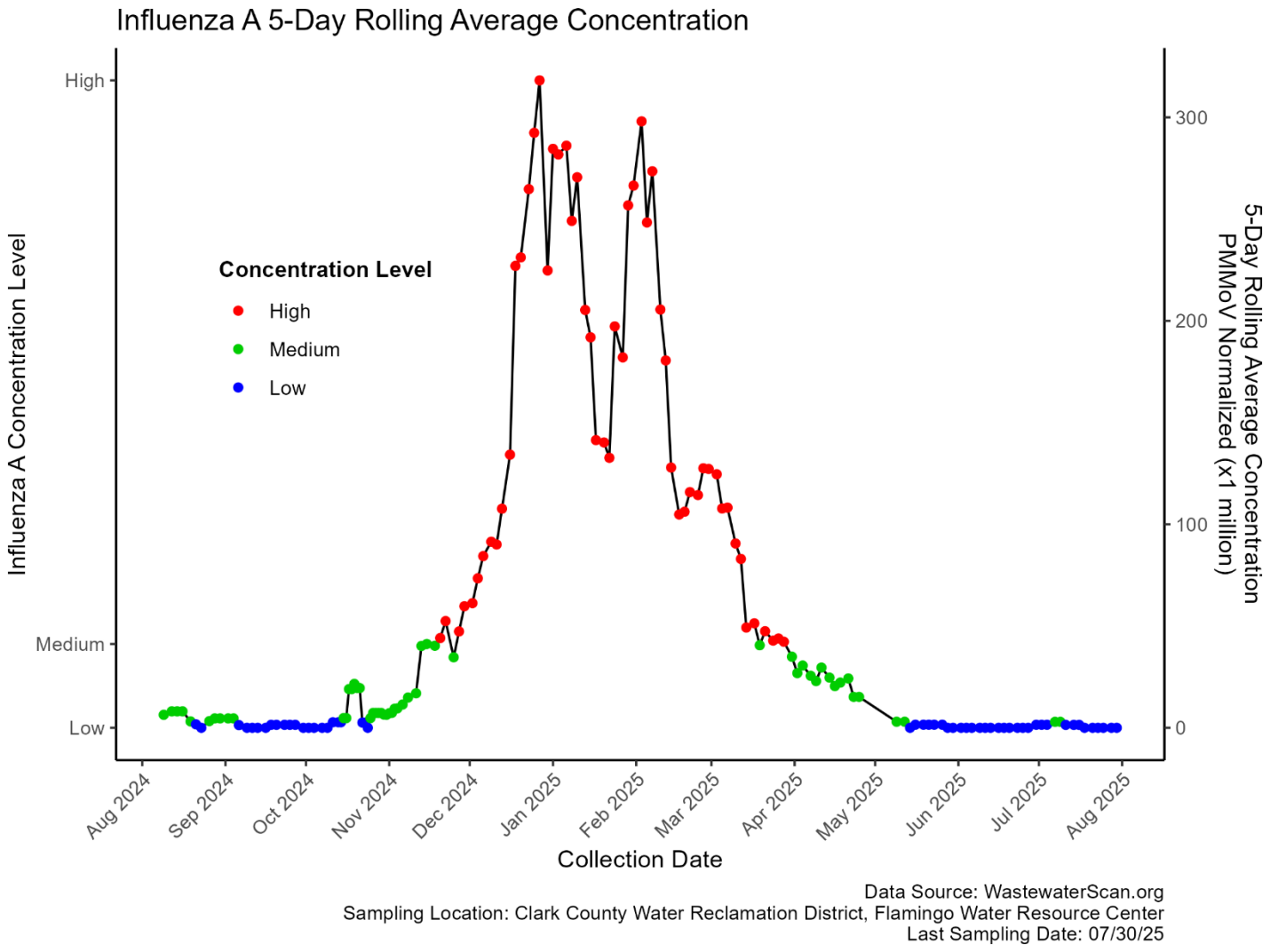


Source: Nevada State Health Department | Analyzed by Verily, July 2025

Influenza A Viral Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

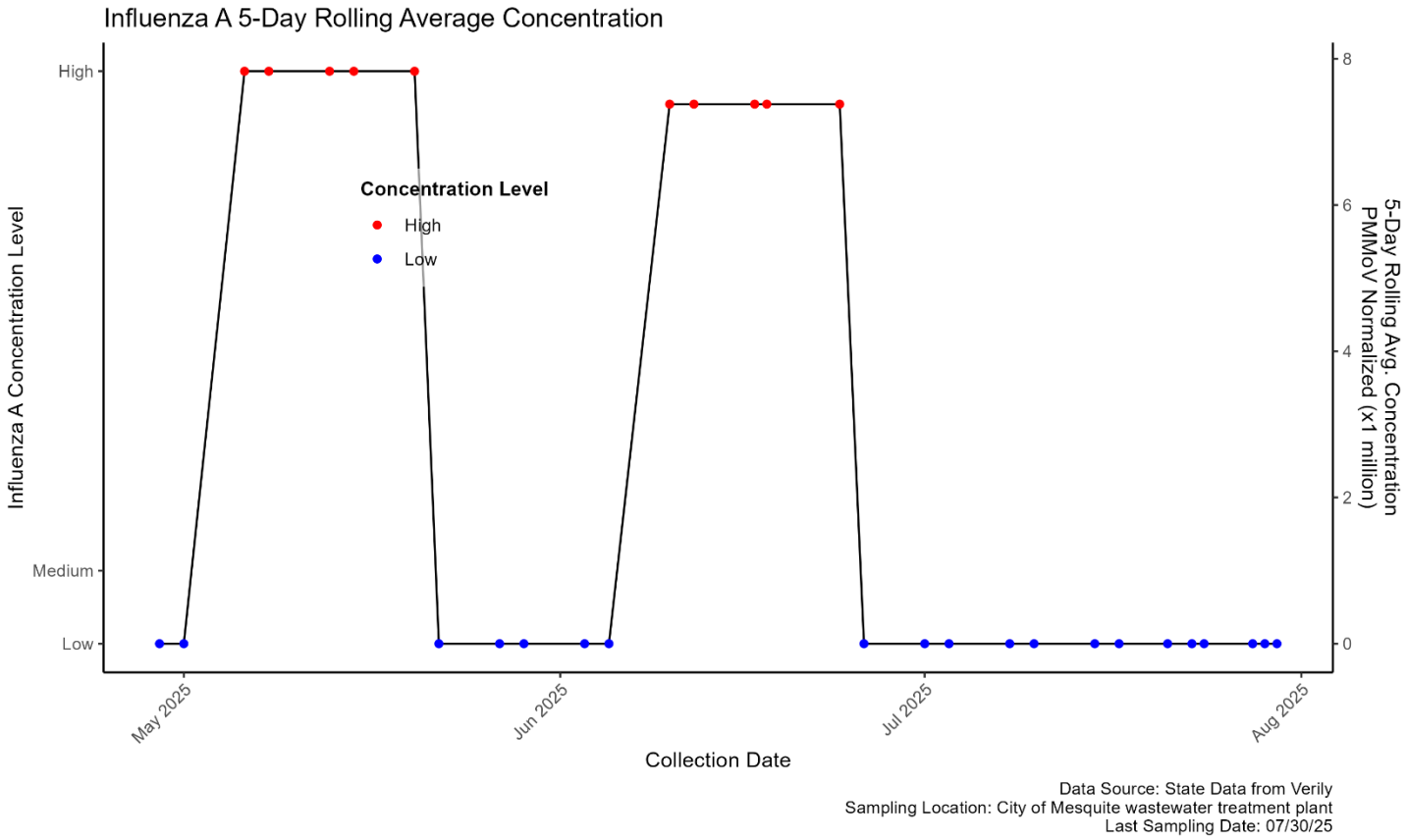
This chart tracks Influenza A levels in wastewater from August 2024 to July 2025 at the Clark County Water Reclamation District. Concentrations were low from August through November, peaked at high levels from December to March, and declined to low levels again by June. The highest spike occurred in January 2025. Data is presented as a 5-day rolling average, normalized by PMMOV. The pattern reflects a typical flu season trend, with activity peaking in winter and dropping in warmer months.



Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date: 07/30/25

Mesquite Wastewater Treatment Plant

The chart displays a 5-day rolling average of Influenza A concentration levels in wastewater from May to July 2025 in Mesquite. Concentration levels fluctuated between high (red), medium (green), and low (blue). Peaks in early May and mid-June show high levels, while late May and July show low levels.



Influenza A Concentrations Interpretation

As of July 31, 2025, Influenza A wastewater concentration surveillance data across nine treatment plants in Nevada, California, and Utah indicates minimal viral activity. Most facilities, including those in Las Vegas, Mesquite, Salt Lake Valley, and Riverside, report a 5-day rolling mean of 0.00. Only A.K. Warren (5.77) and RP-1 in Ontario (3.00) show slight detections.

Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	0.00	→	July 30, 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	0.00	→	July 30, 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	5.77	→	July 30, 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	0.00	→	July 30, 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	0.00	↓	July 31, 2025
Provo City Water Reclamation Facility	Provo, UT	Current	0.00	↓	July 31, 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	3.00	↑	July 30, 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	0.00	→	July 30, 2025
Valley Sanitary District	Indio, CA	Current	0.00	→	July 30, 2025

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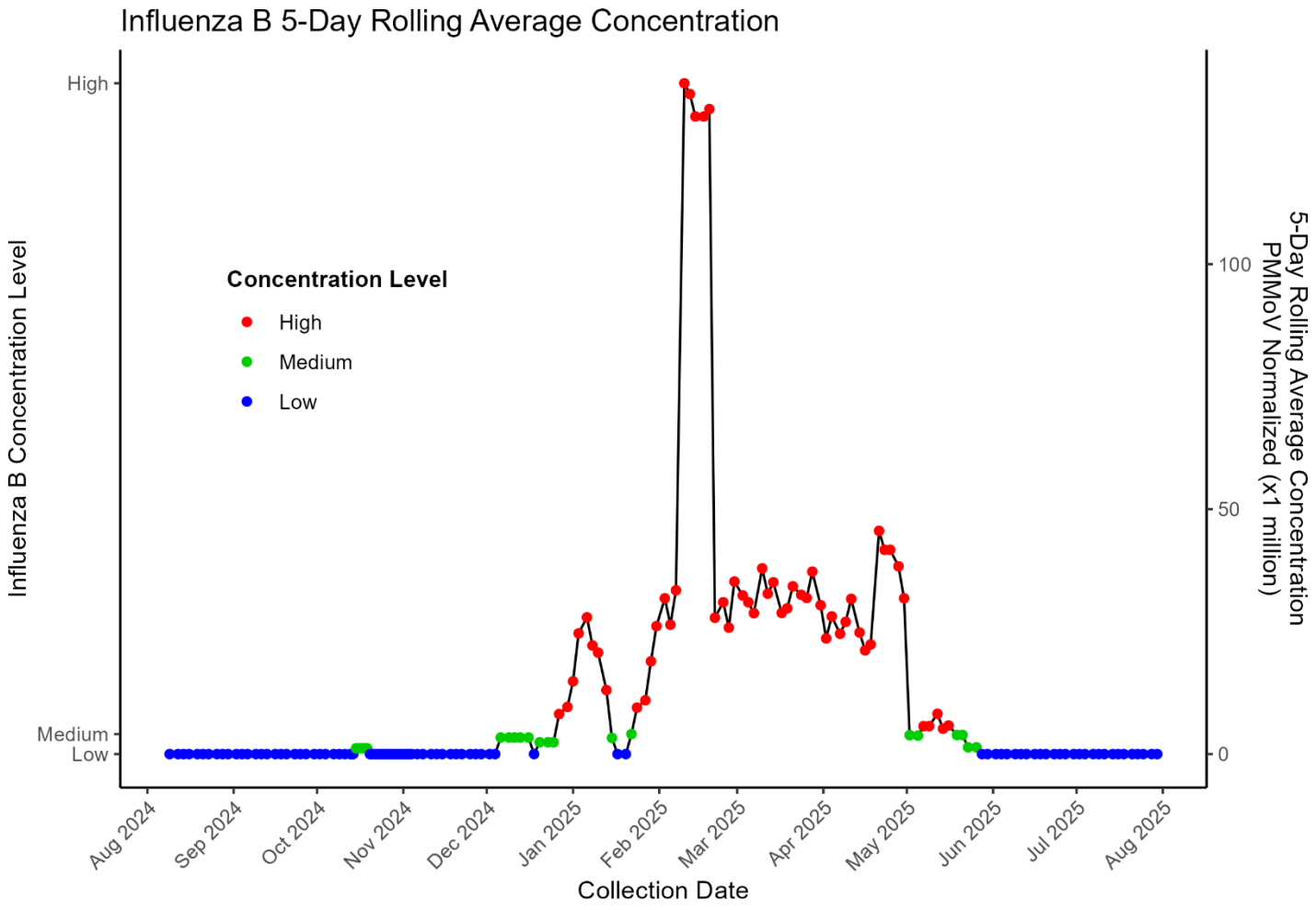
Influenza B Viral Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

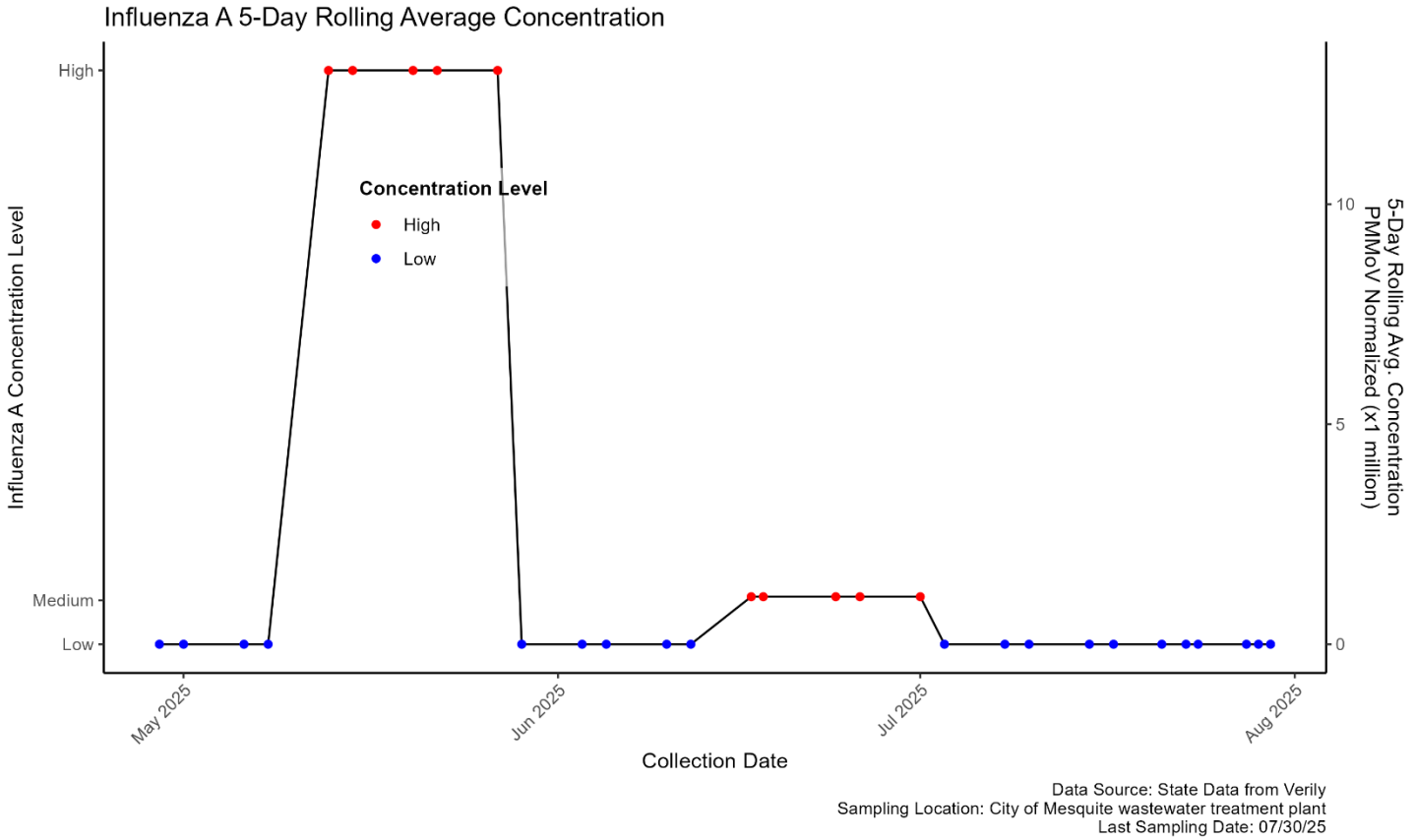
The chart shows Influenza B concentrations at the Flamingo Water Resource Center from August 2024 to July 2025. From August to December 2024, levels remained low (blue), with occasional medium (green) readings in November and December. Concentrations began increasing in January 2025, peaking sharply in February with sustained high levels (red) through April. Levels declined in May and returned to mostly low or medium by June and July. The highest activity was observed in early 2025, followed by a consistent drop, indicating a seasonal surge and decline. The last sample was collected on July 30, 2025.



Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date: 07/30/25

Mesquite Wastewater Treatment Plant

The chart displays Influenza B 5-day rolling average concentrations at the City of Mesquite wastewater treatment plant from May to July 2025. Levels were low (blue) in early May, spiked to high (red) mid-May, then dropped back to low by June. A brief increase to medium (green) and high levels occurred in late June and early July. From mid-July onward, concentrations returned to low. Overall, the data shows brief periods of elevated Influenza B activity with a return to lower levels by late July. The last sample was collected on July 30, 2025.



Interpretation of Influenza B Concentrations

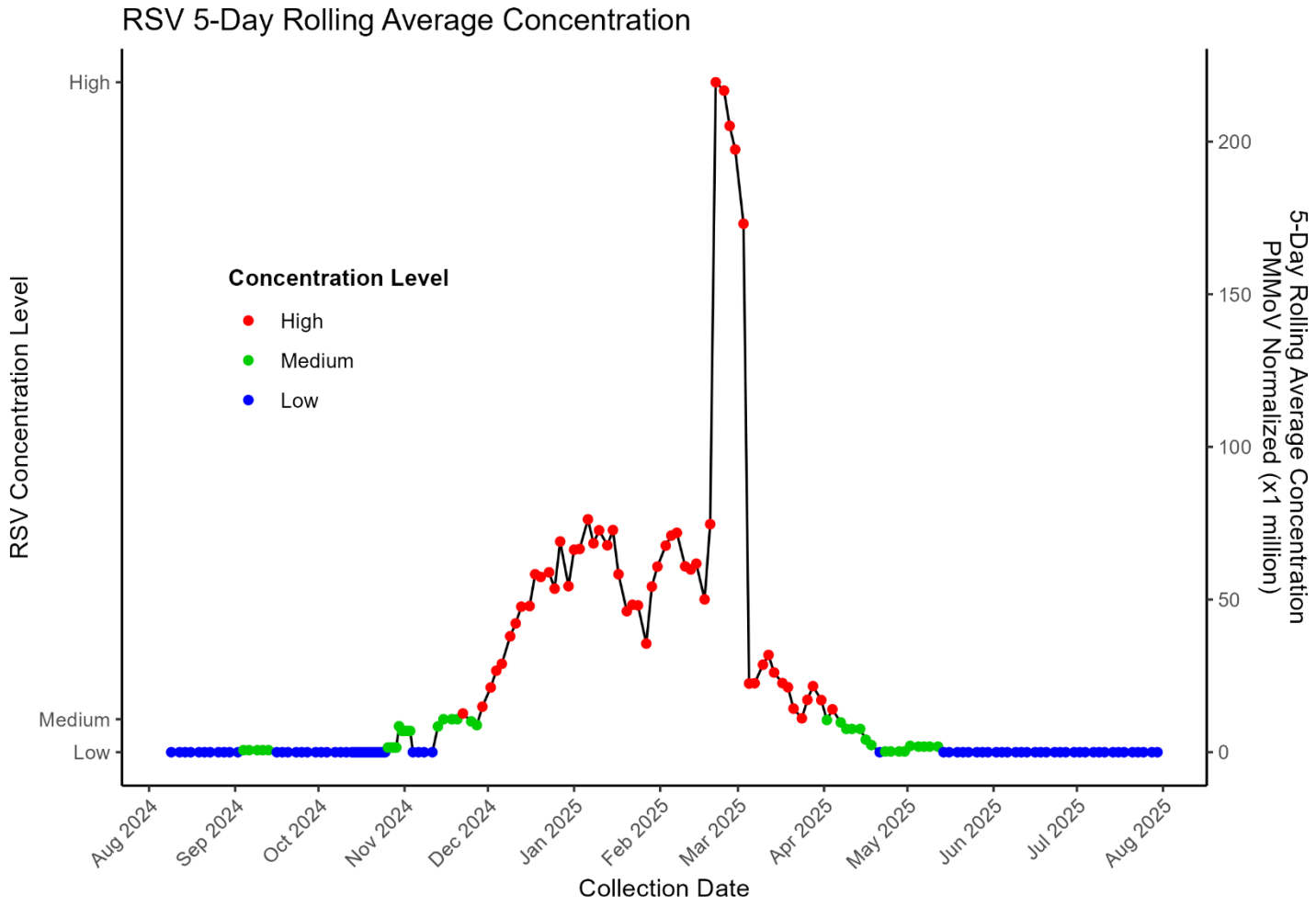
All monitored wastewater treatment facilities reported a 5-day rolling mean of 0.00, indicating no detectable viral presence. The data includes plants across Nevada, California, and Utah, with major sites such as Flamingo, Hyperion, and Central Valley. Most samples were collected on July 30, 2025, with a few taken on July 31, 2025. As of July 30, 2025, Influenza B was not detected in wastewater at any of the monitored facilities, and overall levels remain low.

Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	0.00	→	July 30, 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	0.00	→	July 30, 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	0.00	→	July 30, 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	0.00	→	July 30, 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	0.00	→	July 31, 2025
Provo City Water Reclamation Facility	Provo, UT	Current	0.00	→	July 31, 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	0.00	→	July 30, 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	0.00	→	July 30, 2025
Valley Sanitary District	Indio, CA	Current	0.00	→	July 30, 2025

RSV Viral Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

The chart shows RSV levels at the Clark County Water Reclamation District (Flamingo site) from August 2024 to July 30, 2025. RSV concentrations remained low through October, began rising in November, and peaked sharply in March 2025. Levels declined through April and returned to low by June 2025, remaining low through the end of July. Most of the RSV activity was concentrated between November and April, with a sustained period of high concentration during the winter months. Sampling ended July 30, 2025.



Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date: 07/30/25

RSV Concentrations Interpretation

As of July 30, 2025, Respiratory Syncytial Virus (RSV) and COVID-19 viral concentrations remained undetectable across all monitored wastewater treatment plants in Nevada, California, and Utah. Facilities including the Flamingo Water Resource Center, Mesquite Wastewater Plant, and sites in Los Angeles, Riverside, and Salt Lake Valley each reported a 5-day rolling mean of 0.00 for COVID-19. No significant 14-day trends were observed, indicating stable viral levels.

Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	0.00	→	July 30, 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	0.00	→	July 30, 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	0.00	→	July 30, 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	0.00	→	July 30, 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	0.00	→	July 31, 2025
Provo City Water Reclamation Facility	Provo, UT	Current	0.00	→	July 31, 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	0.00	→	July 30, 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	0.00	→	July 30, 2025
Valley Sanitary District	Indio, CA	Current	0.00	→	July 30, 2025

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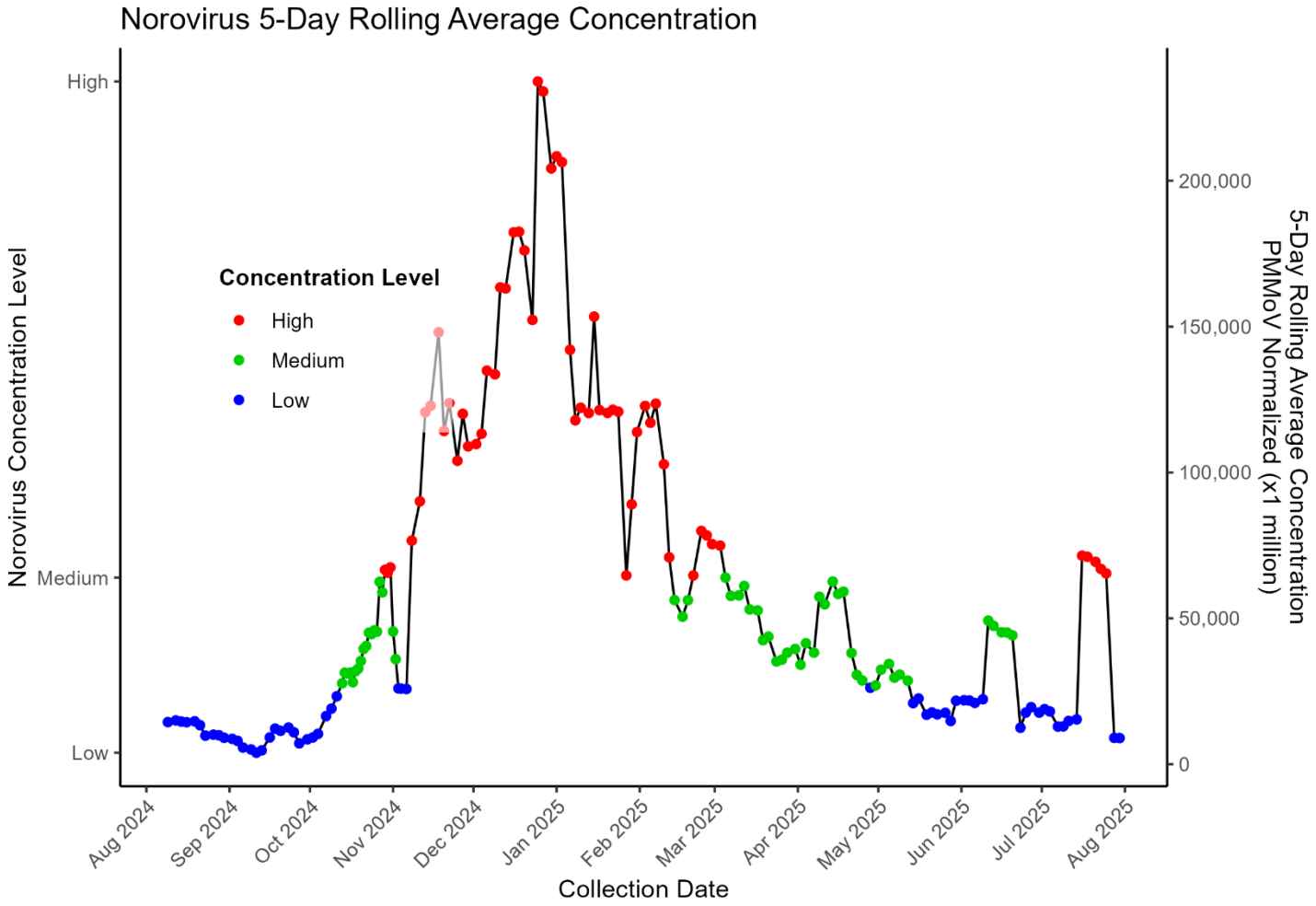
Norovirus Viral Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

The chart shows Norovirus concentrations at the Flamingo Water Resource Center from August 2024 to July 2025. Levels were low through October, then rose sharply to high (red) in November, peaking in January 2025. Concentration declined gradually from February to May, with intermittent medium (green) and low (blue) levels. A slight resurgence occurred in July but remained below peak levels. The trend reflects a strong winter surge followed by seasonal decline.



Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date: 07/30/25

Norovirus Concentrations Interpretation.

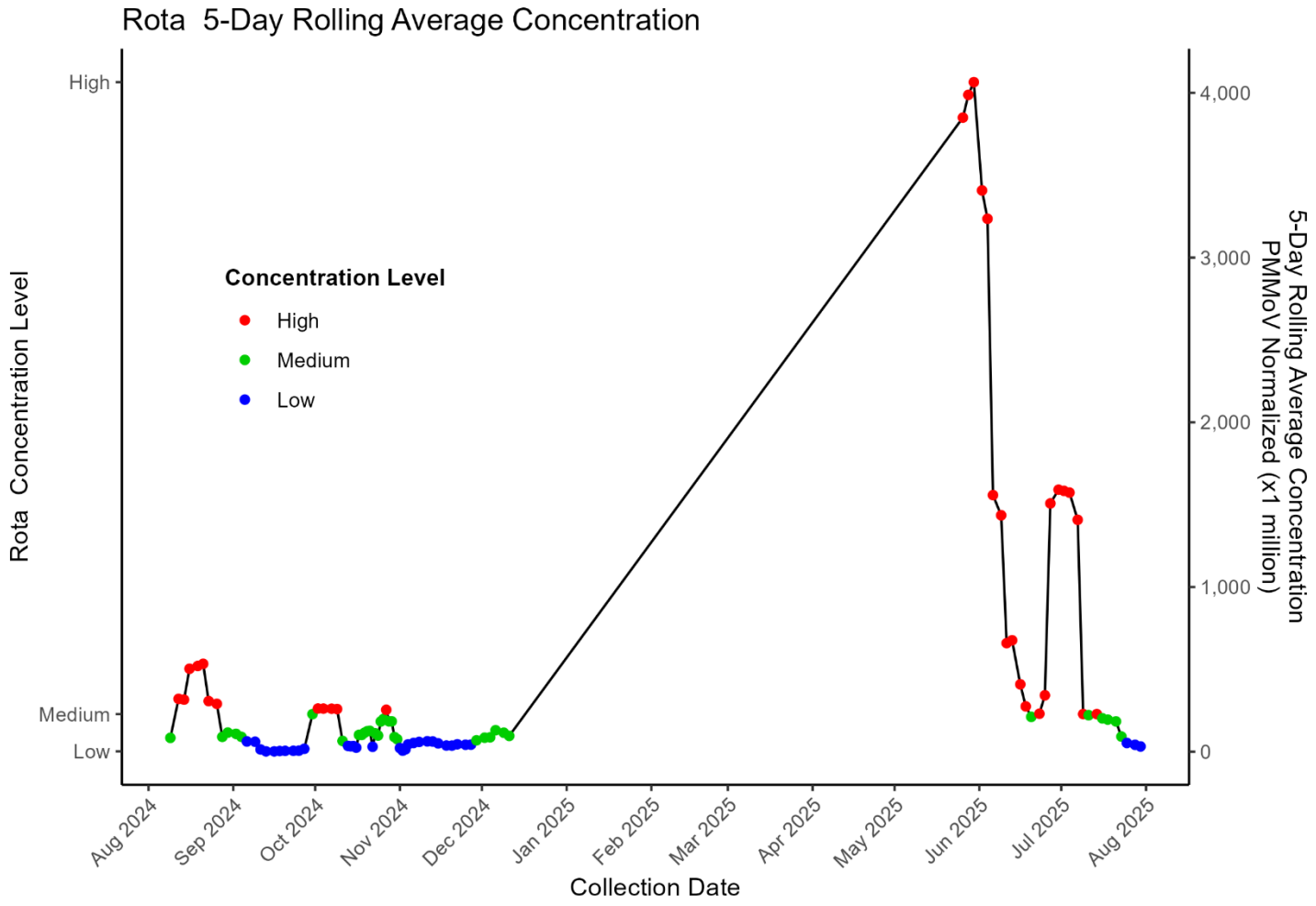
As of July 31, 2025, wastewater monitoring across facilities in Nevada, California, and Utah reported varying 5-day rolling mean concentrations. The highest levels were observed in Provo, UT (20,529.12) and Central Salt Lake Valley, UT (16,495.42). Other notable readings include Flamingo (8,947.79), RP-1 (5,019.88), and Hyperion (3,819.29). Mesquite, NV was not tested.

Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	8947.79	↓	July 30, 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	-	Not Tested	July 30, 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	2864.75	↓	July 30, 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	3819.29	↓	July 30, 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	16495.42	↓	July 31, 2025
Provo City Water Reclamation Facility	Provo, UT	Current	20529.12	↓	July 31, 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	5019.88	↓	July 30, 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	1592.91	↓	July 30, 2025
Valley Sanitary District	Indio, CA	Current	3514.37	↑	July 30, 2025

Rotavirus Viral Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

Rotavirus levels at the Flamingo Water Resource Center remained low to moderate from August to December 2024. A sharp increase began in January 2025, peaking in April above 4,000 PMMoV-normalized units. Concentration declined through May, briefly spiked again in June and July, and returned to low levels by late July. Most readings during the 2025 peaks were classified as high. The last sample was collected on July 30, 2025.



Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date: 07/30/25

Rotavirus Concentrations Interpretation.

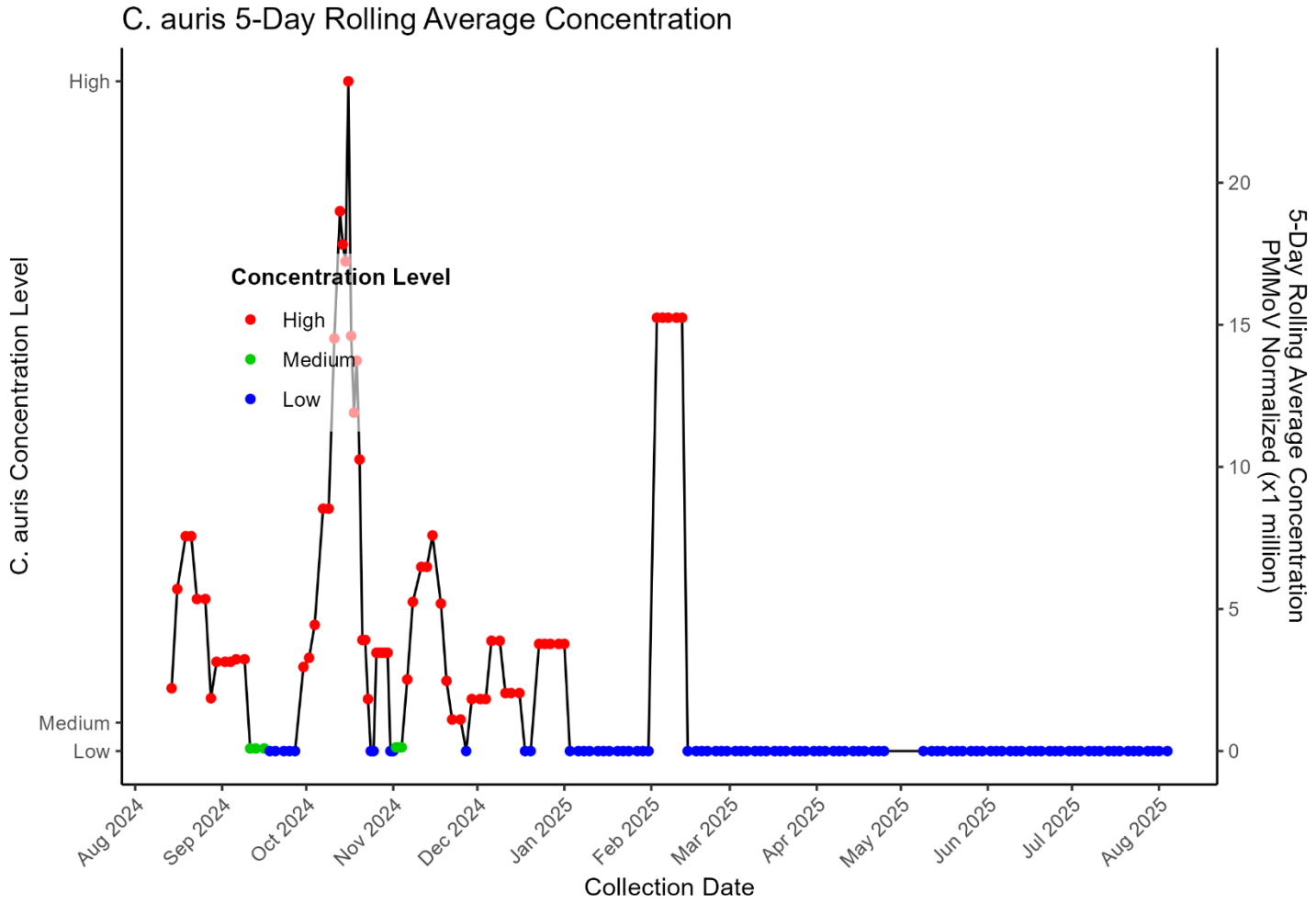
As of July 31st , 2025, Rotavirus levels in wastewater varied across monitored facilities in Nevada, California, and Utah. The highest 5-day rolling means were recorded in Central Salt Lake Valley, UT (218.54), A.K. Warren (184.96), and Hyperion (113.73) in California. Provo, UT showed moderate levels (87.90), while sites like Flamingo (31.97), RP-1 (25.29), Riverside (58.17), and Valley Sanitary (47.99) had lower readings. Mesquite, NV was not tested.

Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	31.97	↓	July 30, 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	-	Not Tested	July 30, 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	184.96	↓	July 30, 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	113.73	↓	July 30, 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	218.54	↓	July 31, 2025
Provo City Water Reclamation Facility	Provo, UT	Current	87.90	↓	July 31, 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	25.29	↓	July 30, 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	58.17	↓	July 30, 2025
Valley Sanitary District	Indio, CA	Current	47.99	↑	July 30, 2025

Enterovirus D68 Viral Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

Enterovirus D68 (EVD68) concentrations at the Flamingo Water Resource Center showed intermittent increases between August and December 2024, with a pronounced peak in November, reaching over 20 million PMMoV normalized units. Levels began to decline in early 2025, with consistently low or undetectable concentrations from March through July. No significant resurgence was observed during this period. The most recent sample was collected on July 30, 2025.



Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date:July 30, 2025

Enterovirus D68 Concentrations Interpretation.

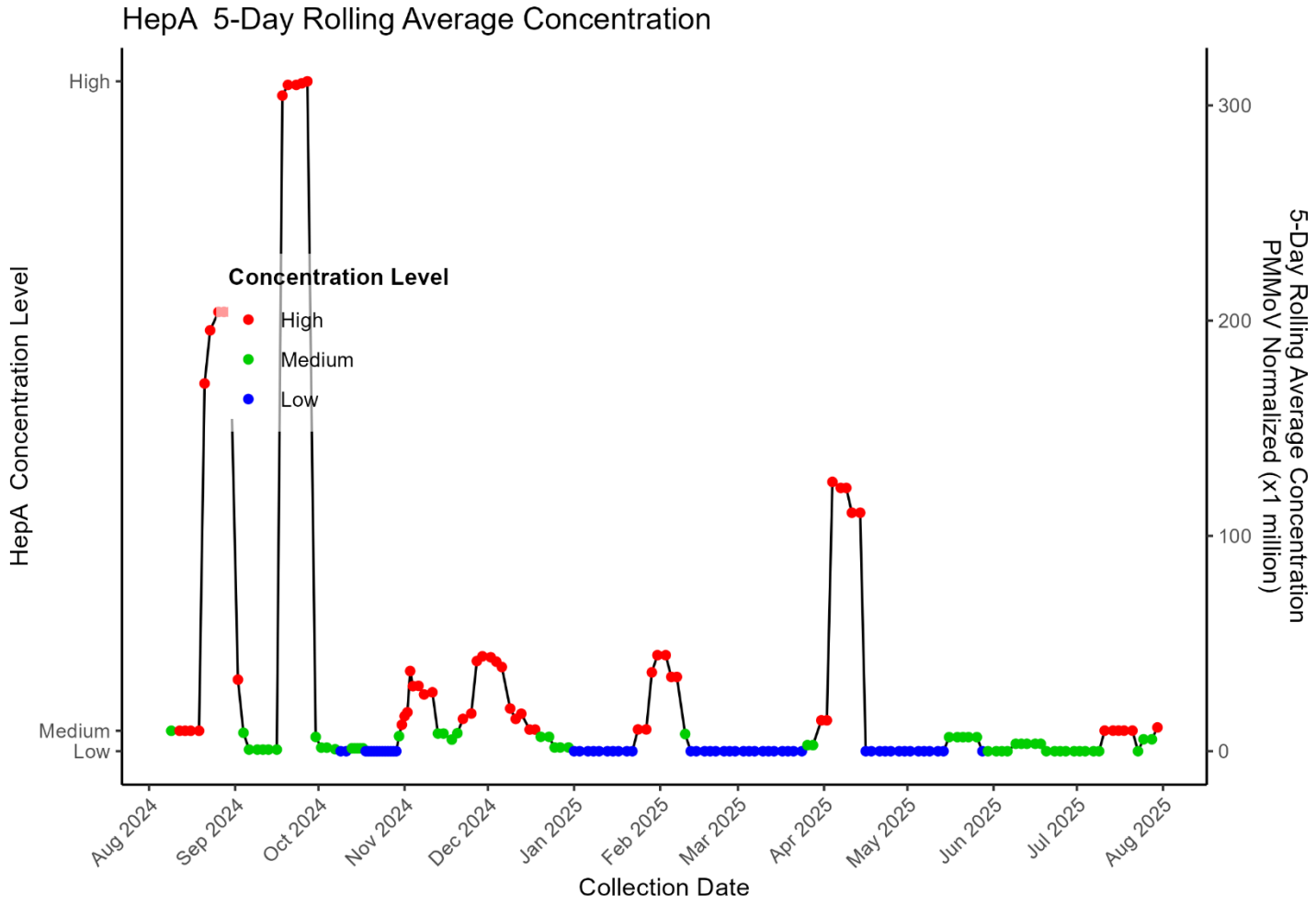
As of July 31, 2025, Enterovirus D68 levels in wastewater were mostly low across monitored sites. Flamingo (NV) and Central Valley (UT) reported no detection (0.00), while Mesquite was not tested. Provo (UT) showed the highest level at 3.95, followed by RP-1 (2.99), Riverside (1.39), and Hyperion (0.84). A.K. Warren and Valley Sanitary reported minimal levels at 0.60 and 0.16, respectively.

Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	0.00	→	July 30, 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	-	Not Tested	July 30, 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	0.60	↓	July 30, 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	0.84	↓	July 30, 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	0.00	↓	July 31, 2025
Provo City Water Reclamation Facility	Provo, UT	Current	3.95	↓	July 31, 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	2.99	↑	July 30, 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	1.39	↓	July 30, 2025
Valley Sanitary District	Indio, CA	Current	0.16	↑	July 30, 2025

Hepatitis A (HepA) Viral Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

The graph displays a 5-day rolling average of Hepatitis A (HepA) concentrations from August 2024 to August 2025 at the Flamingo Water Resource Center in Clark County. Peaks in high concentration occurred in September, October, and May, while most other periods showed low to medium levels. Concentration levels are color-coded: red for high, green for medium, and blue for low. Data is normalized using PMMoV levels. The last recorded sample was collected on July 30, 2025.



Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date: 07/30/25

Hepatitis A Concentrations Interpretation.

As of late July 31st ,2025, Hepatitis A (HepA) levels varied across wastewater facilities in the western U.S. The Hyperion Plant in Los Angeles showed the highest 5-day rolling mean at 111.42, followed by Flamingo in Las Vegas (11.02) and Riverside (9.39). A.K. Warren in L.A. had 8.87. Several plants, including those in Provo, Ontario, Indio, and Central Salt Lake Valley, reported 0.00 levels. Mesquite was not tested.

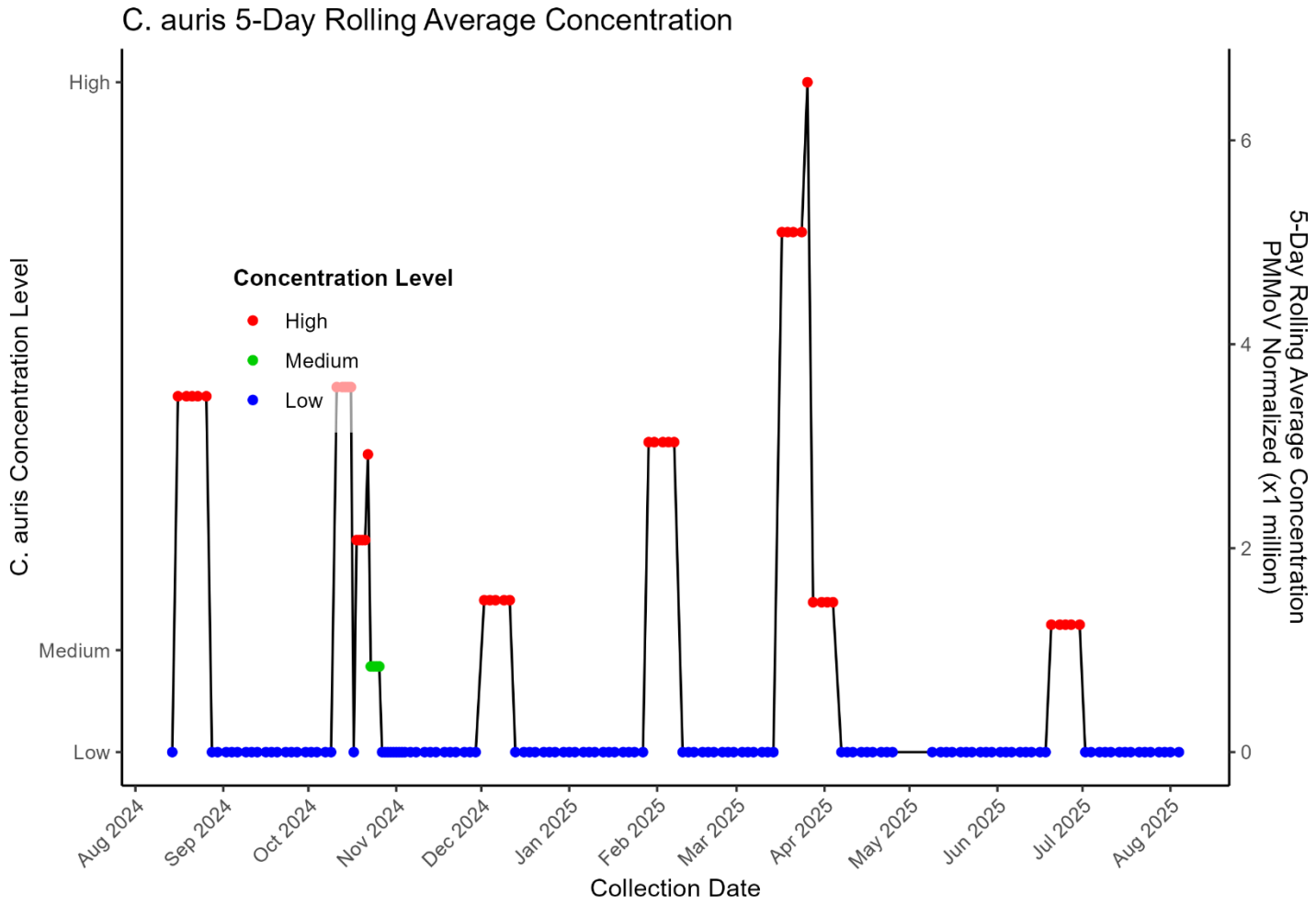
Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	11.02	↑	July 30, 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	-	Not Tested	July 30, 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	8.87	↑	July 30, 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	111.42	↓	July 30, 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	0.00	↓	July 31, 2025
Provo City Water Reclamation Facility	Provo, UT	Current	0.00	→	July 31, 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	0.00	↓	July 30, 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	9.39	↓	July 30, 2025
Valley Sanitary District	Indio, CA	Current	0.00	↓	July 30, 2025

WASTEWATER WEEKLY SURVILLANCE REPORT

Candida Auris Fungal Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

The graph shows *Candida auris* (C_auris) 5-day rolling average concentrations at the Flamingo Water Resource Center from August 2024 to July 2025. High levels (red) were observed in September, November, March, and May. Medium (green) and low (blue) levels occurred intermittently, with predominantly low concentrations from October 2024 through February 2025 and again from April to July 2025. The right axis displays normalized PMMoV values. The last sample was taken on July 30, 2025, showing low concentration.



Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date:July 30, 2025

***Candida Auris* Concentrations Interpretation.**

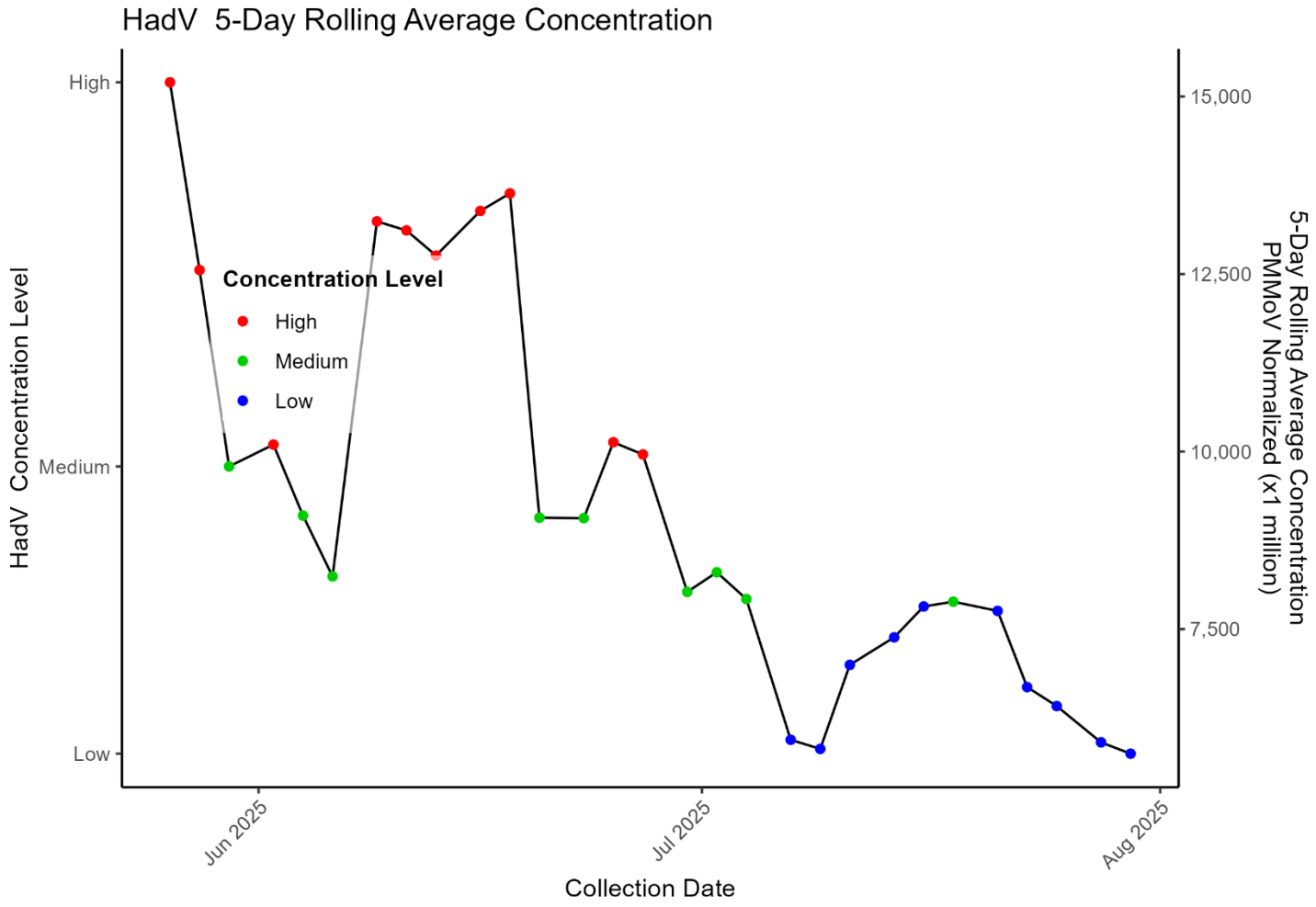
As of July 31, 2025, *Candida auris* (C_auris) levels were undetectable (0.00) at all tested wastewater treatment plants across Nevada, California, and Utah. This includes facilities in Las Vegas, Los Angeles County, Ontario, Riverside, Indio, Provo, and Central Salt Lake Valley. The Mesquite Wastewater Treatment Plant was not tested.

Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	0.00	→	July 30, 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	-	Not Tested	July 30, 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	0.00	→	July 30, 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	0.00	→	July 30, 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	0.00	→	July 31, 2025
Provo City Water Reclamation Facility	Provo, UT	Current	0.00	→	July 31, 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	0.00	→	July 30, 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	0.00	→	July 30, 2025
Valley Sanitary District	Indio, CA	Current	0.00	→	July 30, 2025

Adenovirus Group F Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

The graph displays Adenovirus group F (HadV) 5-day rolling average concentrations at the Flamingo Water Resource Center from June to July 2025. Initially, levels were high (red), fluctuating between high and medium (green) through June. A sharp drop occurred in early July, transitioning into sustained medium and then low levels (blue) by late July. The overall trend indicates a steady decline in HadV concentrations over time. The last recorded sample, taken on July 30, 2025, showed a low concentration level.



Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date: 07/30/25

Adenovirus Group F Concentrations Interpretation.

As of July 31, 2025, concentrations of Adenovirus group F (HadV) in wastewater varied across facilities in Nevada, California, and Utah. Provo reported the highest level at 16,028.57, followed by Central Salt Lake Valley at 13,981.63 and Ontario at 10,363.97. Moderate levels were observed in Las Vegas (5,745.93), Riverside (5,320.90), and Los Angeles County (5,072.46). The Hyperion plant recorded 3,107.24, while Indio had the lowest concentration at 1,268.23. No data was available for Mesquite, as it was not tested.

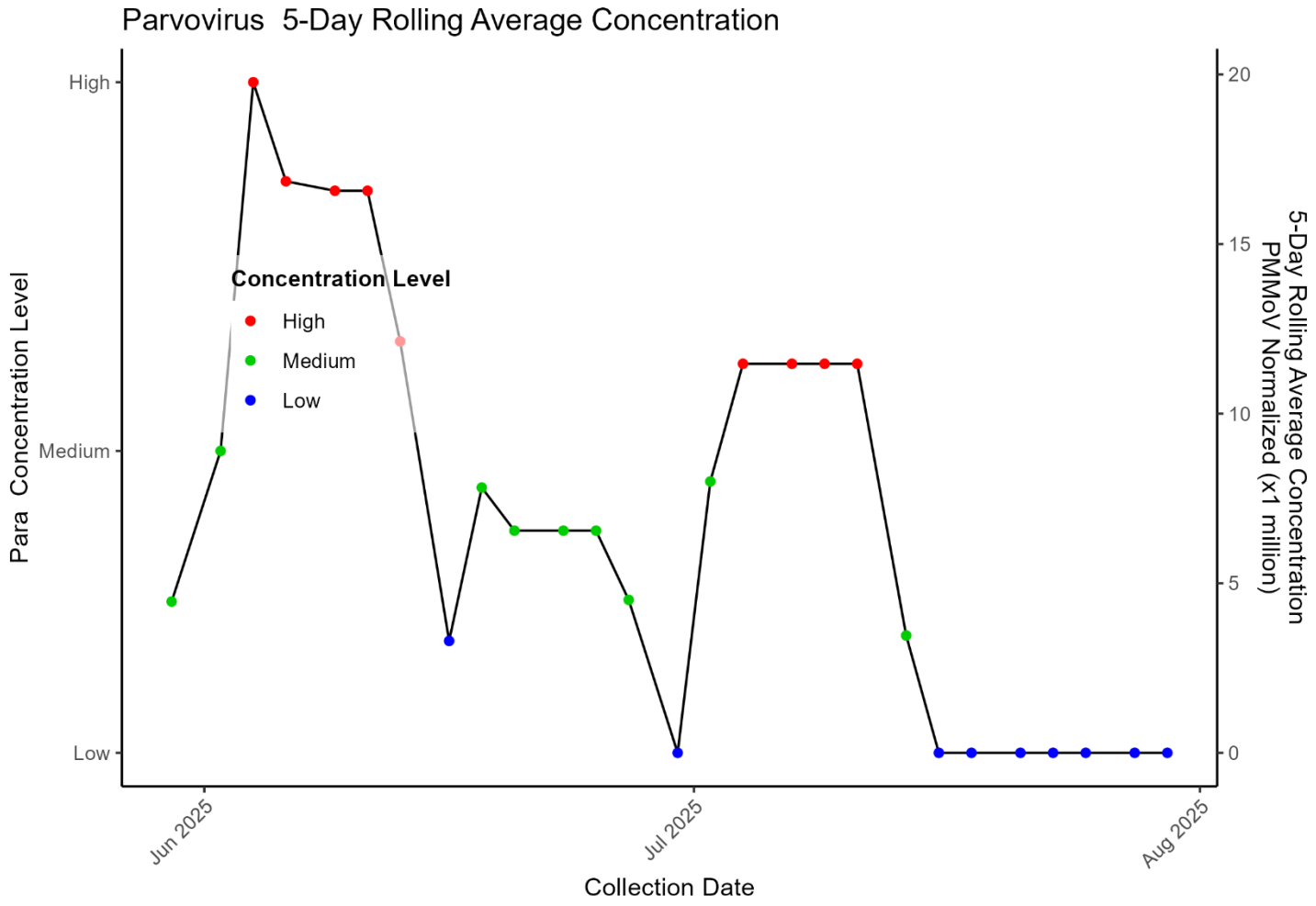
Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	5,745.93	↓	July 30, 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	-	Not Tested	July 30, 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	5072.46	↓	July 30, 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	3107.24	↓	July 30, 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	13981.63	↑	July 31, 2025
Provo City Water Reclamation Facility	Provo, UT	Current	16028.57	↓	July 31, 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	10363.97	↓	July 30, 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	5320.90	↓	July 30, 2025
Valley Sanitary District	Indio, CA	Current	1268.23	↑	July 30, 2025

WASTEWATER WEEKLY SURVILLANCE REPORT

Parvovirus Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

The graph presents Parvovirus 5-day rolling average concentrations at the Flamingo Water Resource Center from June to July 2025. Concentrations peaked in early June at high levels (red) and gradually declined through mid-June. After a brief resurgence of high levels in early July, the concentration dropped sharply. From mid-July to the end of the month, levels remained consistently low (blue). The trend shows two distinct spikes followed by a sustained decline. The last sample, taken on July 30, 2025, showed low concentration.



Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date: 07/30/25

Parvovirus Concentrations Interpretation.

As of July 31, 2025, Rotavirus levels in wastewater varied across monitored facilities in Nevada, California, and Utah. The highest 5-day rolling means were recorded in Central Salt Lake Valley, UT (218.54), A.K. Warren (184.96), and Hyperion (113.73) in California. Provo, UT showed moderate levels (87.90), while sites like Flamingo (31.97), RP-1 (25.29), Riverside (58.17), and Valley Sanitary (47.99) had lower readings. Mesquite, NV was not tested.

Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	0.00	↓	July 30, 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	-	Not Tested	July 30, 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	0.00	↓	July 30, 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	0.36	↓	July 30, 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	1.88	↓	July 31, 2025
Provo City Water Reclamation Facility	Provo, UT	Current	0.00	↓	July 31, 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	0.00	↓	July 30, 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	2.79	↓	July 30, 2025
Valley Sanitary District	Indio, CA	Current	0.00	↓	July 30, 2025

Influenza H5 Viral Detection Comparing to Neighboring States

As of July 31st, 2025, wastewater surveillance from nine treatment facilities across California, Nevada, and Utah showed no detectable levels of Influenza H5. All sites reported a 5-day rolling mean of zero with no change in the 14-day trend, indicating consistent and stable conditions with no current Influenza H5 activity observed m

Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	0	→	July 30, 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	0	→	July 30, 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	0	→	July 30, 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	0	→	July 30, 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	0	→	July 31, 2025
Provo City Water Reclamation Facility	Provo, UT	Current	0	→	July 31, 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	0	→	July 30, 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	0	→	July 30, 2025
Valley Sanitary District	Indio, CA	Current	0	→	July 30, 2025

MPOX Clade 1b Viral Detection Comparing to Neighboring States.

As of July 31, 2025, wastewater surveillance from nine facilities across California, Nevada, and Utah shows no detectable levels of Mpox clade 1b, with all sites. Both Las Vegas and Mesquite reported no detection. While locations like Los Angeles and Provo, UT had detections within the past 90 days, no recent presence was observed.

Plant Name	City	Time frame	Detect/ Non-detect	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	Non-detect	July 30, 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	Non-detect	July 30, 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	Non-detect	July 30, 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	Non-detect	July 30, 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	Non-detect	July 31, 2025
Provo City Water Reclamation Facility	Provo, UT	Current	Non-detect	July 31, 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	Non-detect	July 30, 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	Non-detect	July 30, 2025
Valley Sanitary District	Indio, CA	Current	Non-detect	July 30, 2025

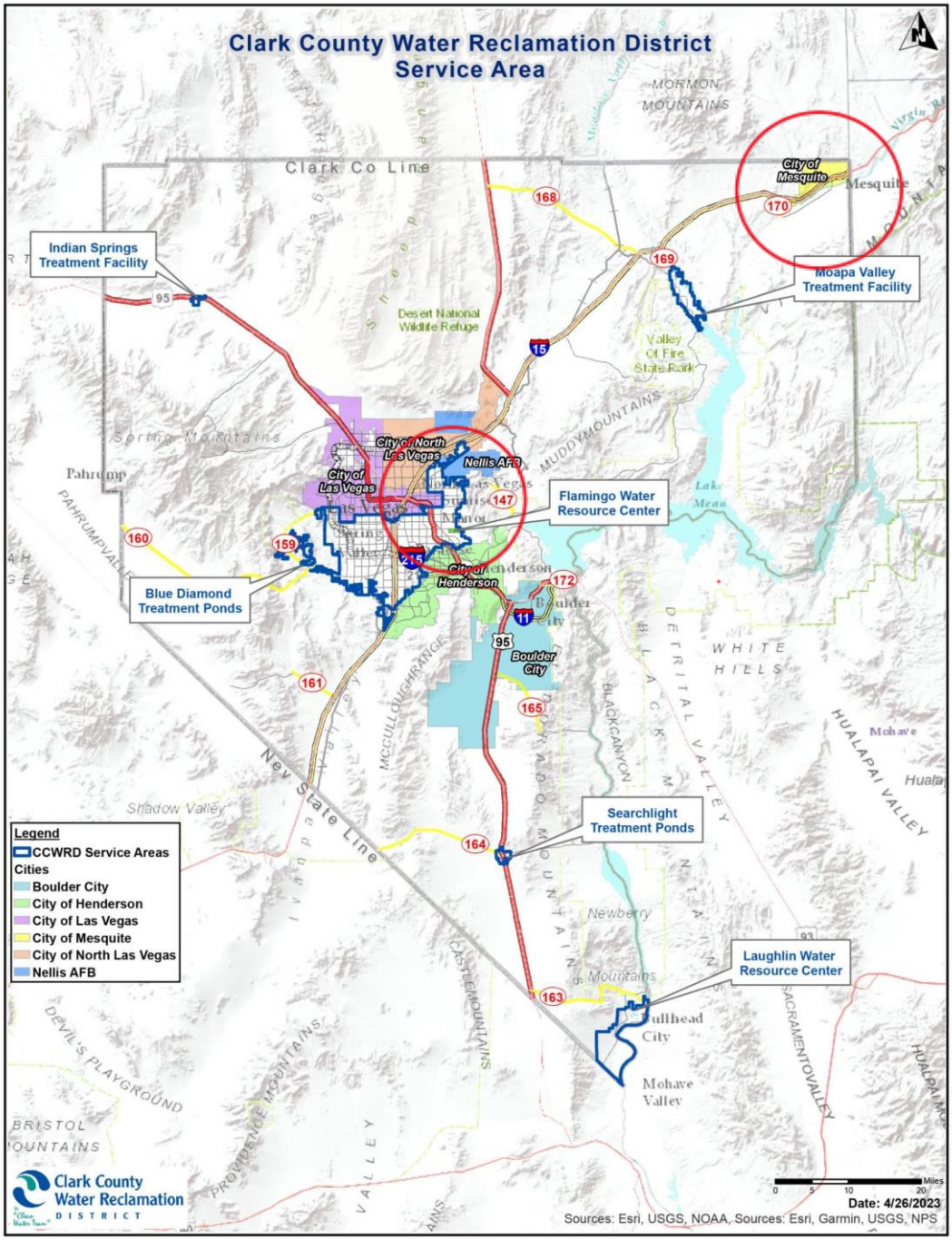
Measles Viral Detection Comparing to Neighboring States.

As of July 31, 2025, wastewater surveillance data from nine facilities across California, Nevada, and Utah indicate minimal measles activity. Most locations, including Las Vegas, Los Angeles County, Ontario, Riverside, Indio, and Central Salt Lake Valley, report non-detectable levels of measles in recent samples. While Provo City, Utah, showed a recent **detection** as of July 14, 2025, no other sites reported current measles presence, though some had detections earlier within the past 14 days.

Plant Name	City	Time frame	Detect/ Non-detect	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	Non-detect	July 30, 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	Non-detect	July 30, 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	Non-detect	July 30, 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	Non-detect	July 30, 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	Non-detect	July 31, 2025
Provo City Water Reclamation Facility	Provo, UT	Current	Non-detect	July 31, 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	Non-detect	July 30, 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	Non-detect	July 30, 2025
Valley Sanitary District	Indio, CA	Current	Non-detect	July 30, 2025

Appendix

Wastewater Sampling Sites in Clark County, Nevada (red circles).



Source: Clark County Water Reclamation District