

STAFF REPORT



To: Board of Directors

From: Mohammed Serageldin, Lab Manager

Date: July 30th , 2026

Subject: Monthly Lab Report

RECOMMENDATION

Receive Report - Informational only; no action required.

DISCUSSION

1. Staff completed sampling for the Monthly Pebble Beach Sodium Adsorption Ratio (SAR) and Total Nitrogen samples.
2. Staff completed sampling for the Monthly Central Coastal Long-Term Environmental Assessment Network (CCLEAN) Monitoring.
3. Staff completed sampling for the Monthly Reclaim Line Monitoring.
4. Staff completed sampling for the Monthly CAWD Monitoring.
5. Staff completed sampling for the NPDES Discharge Monitoring (Oil and Grease).
6. Staff completed sampling for the semi-annual Bioassay Study on Final Effluent.
7. Staff completed sampling for the semi-annual Effluent Wastewater Monitoring.
8. Staff completed sampling for the semi-annual Influent Priority Pollutants.
9. Staff completed sampling for the Quarterly DDT Monitoring in Effluent Wastewater.
10. Staff completed sampling for the Quarterly Biosolid Monitoring.
11. The Laboratory and Operations staff selected Labworks Laboratory Information Management System (LIMS) to replace the Sample Masters LIMS.
12. Wastewater Public Health Surveillance Update: The following graphs provide a summary of ongoing wastewater plant influent public health surveillance testing being funded by the Center for Disease Control National Wastewater Surveillance System program.

VIRUSES

Note: Samples taken twice per week at CAWD Wastewater Treatment Plant. Tests completed by Verily Life Sciences LLC. Full graphs are available at www.cawd.org/pathogen-concentration-levels

SARS-CoV-2 (COVID) – Past 12 Months:

Pathogen levels for Carmel Area WD (CA) - Facility Influent

☒ PMMoV normalized ☒ Show Outliers

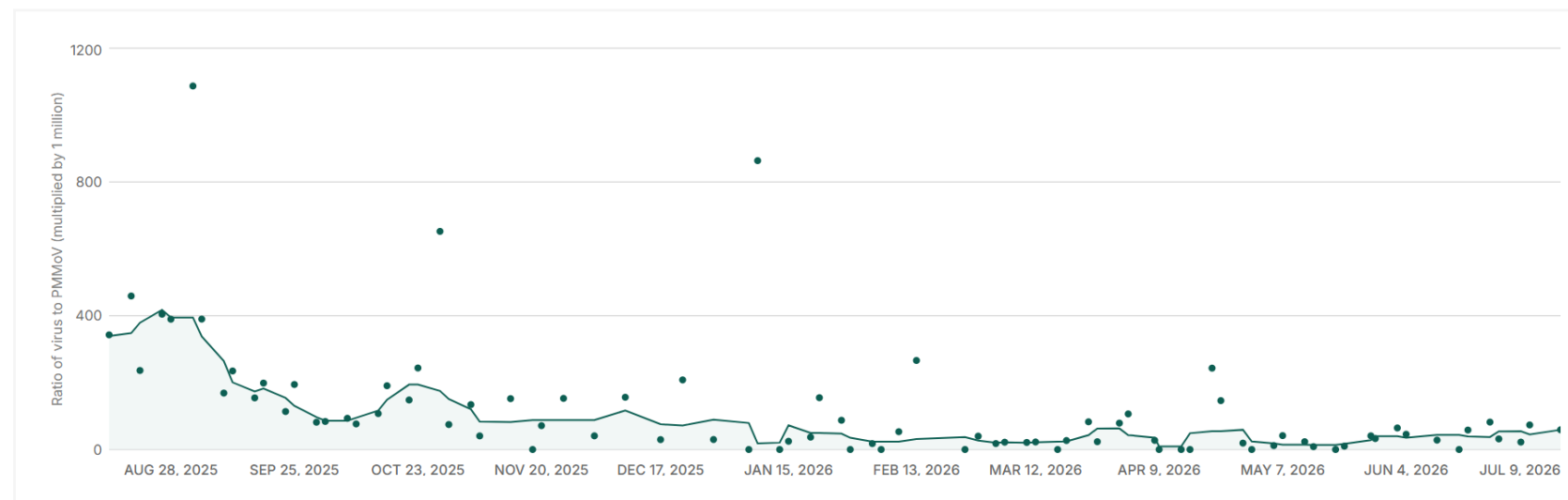
Pathogen
SARS-CoV-2

Date range
Last 12 months

 Plot points represent raw sample values on collection dates, which are not always at regular intervals. Trend lines have been smoothed.

[Learn more](#)

 Raw sample  Pathogen trend



Respiratory Syncytial Virus (RSV) – Past 12 Months:

Pathogen levels for Carmel Area WD (CA) - Facility Influent

☒ PMMoV normalized ☒ Show Outliers

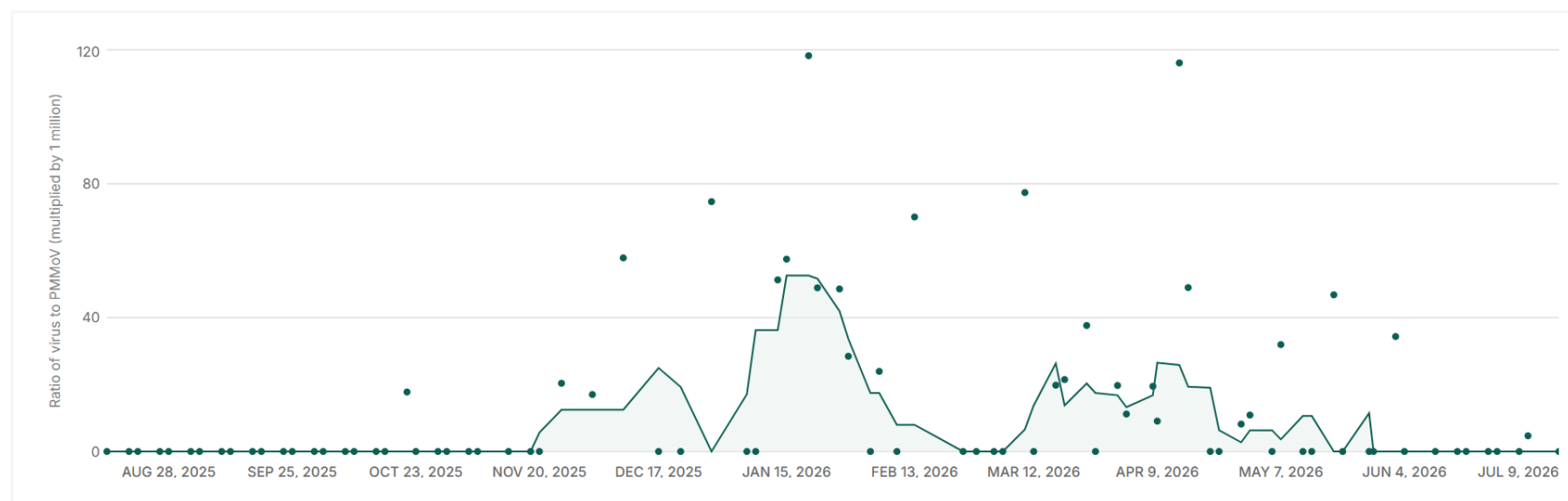
Pathogen
RSV

Date range
Last 12 months

i Plot points represent raw sample values on collection dates, which are not always at regular intervals. Trend lines have been smoothed.

[Learn more](#)

● Raw sample — Pathogen trend



Influenza A– Past 12 Months:

Pathogen levels for Carmel Area WD (CA) - Facility Influent

☒ PMMoV normalized ☒ Show Outliers

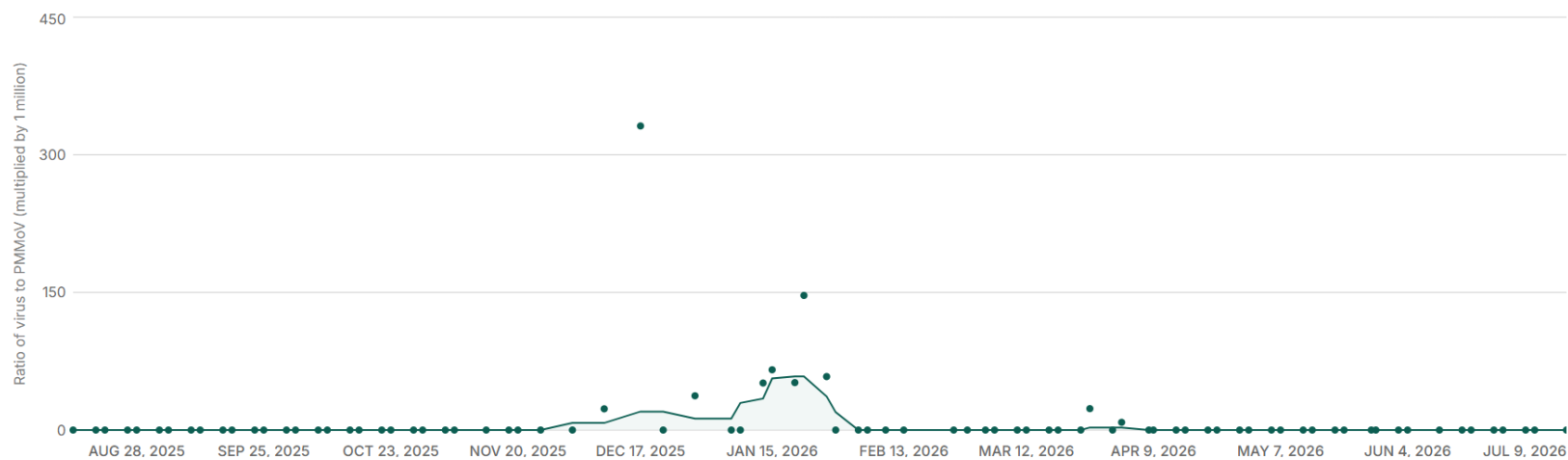
Pathogen
Influenza A

Date range
Last 12 months

i Plot points represent raw sample values on collection dates, which are not always at regular intervals. Trend lines have been smoothed.

[Learn more](#)

● Raw sample — Pathogen trend



Influenza B– Past 12 Months:

Pathogen levels for Carmel Area WD (CA) - Facility Influent

☒ PMMoV normalized ☒ Show Outliers

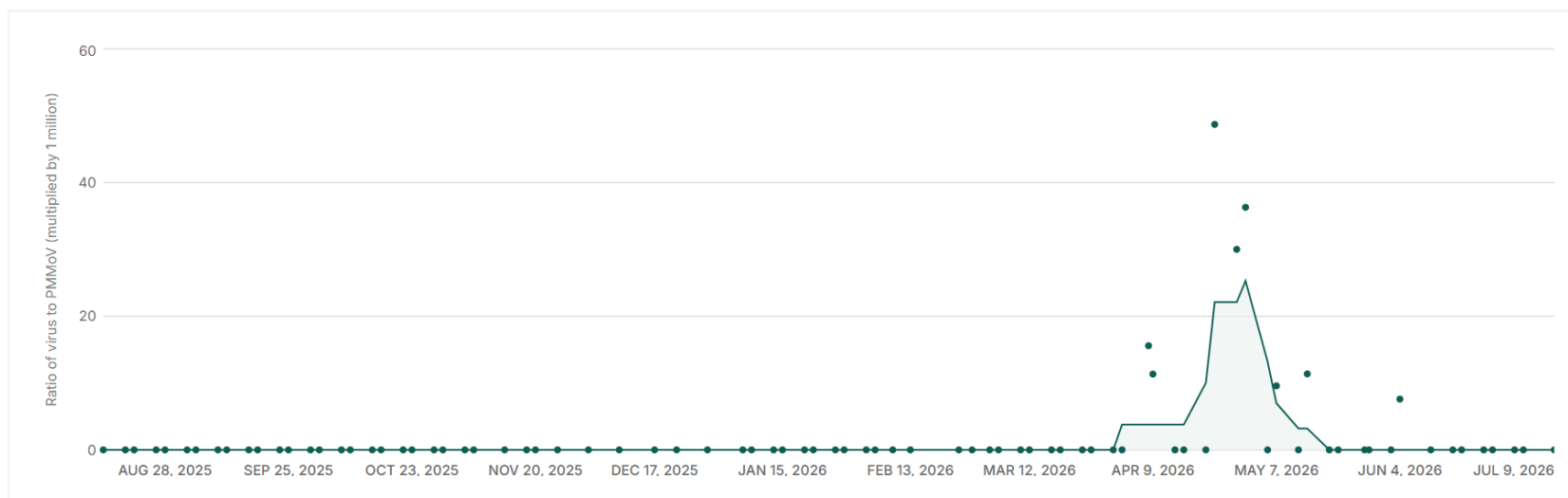
Pathogen
Influenza B

Date range
Last 12 months

i Plot points represent raw sample values on collection dates, which are not always at regular intervals. Trend lines have been smoothed.

[Learn more](#)

● Raw sample — Pathogen trend



Monkey Pox Virus (MPKV) – Past 12 Months:

Pathogen levels for Carmel Area WD (CA) - Facility Influent

☒ PMMoV normalized ☒ Show Outliers

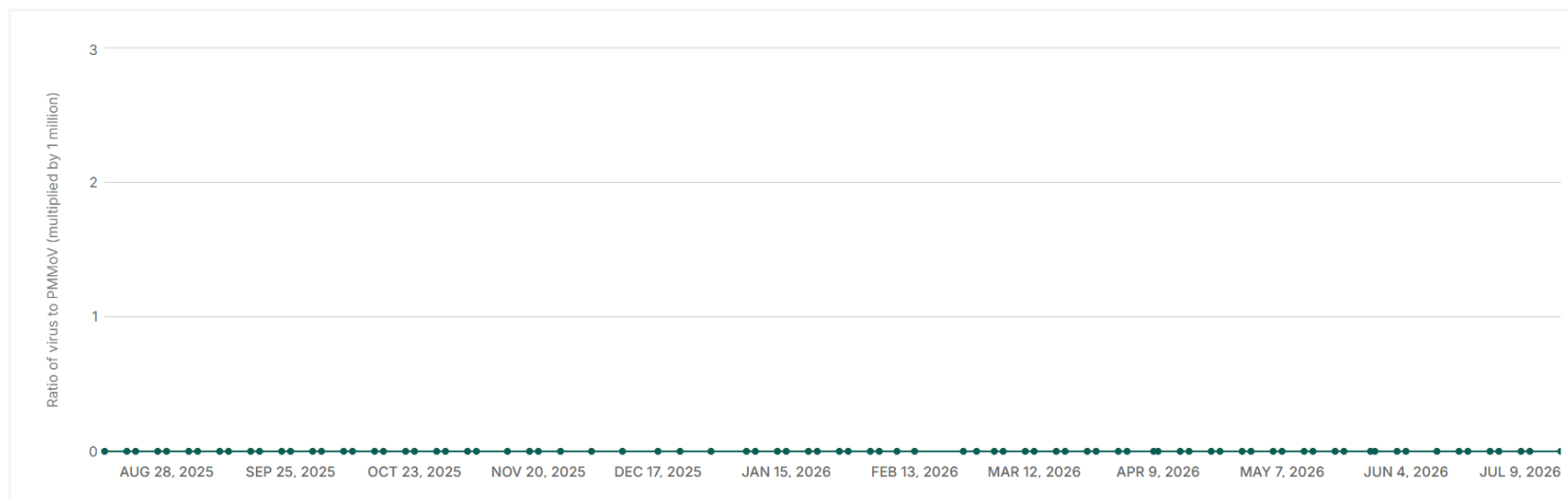
Pathogen
Mpox virus

Date range
Last 12 months

 Plot points represent raw sample values on collection dates, which are not always at regular intervals. Trend lines have been smoothed.

[Learn more](#)

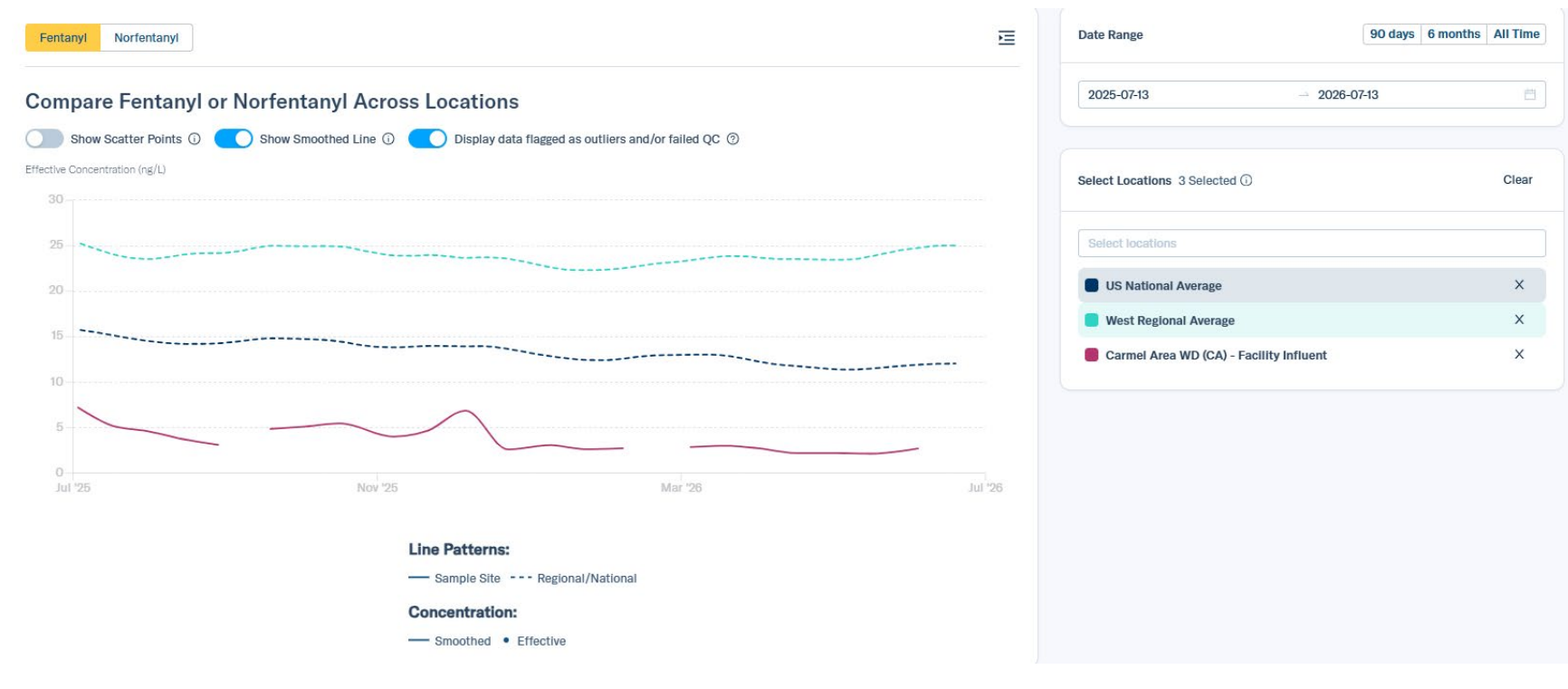
☒ Raw sample ☒ Pathogen trend



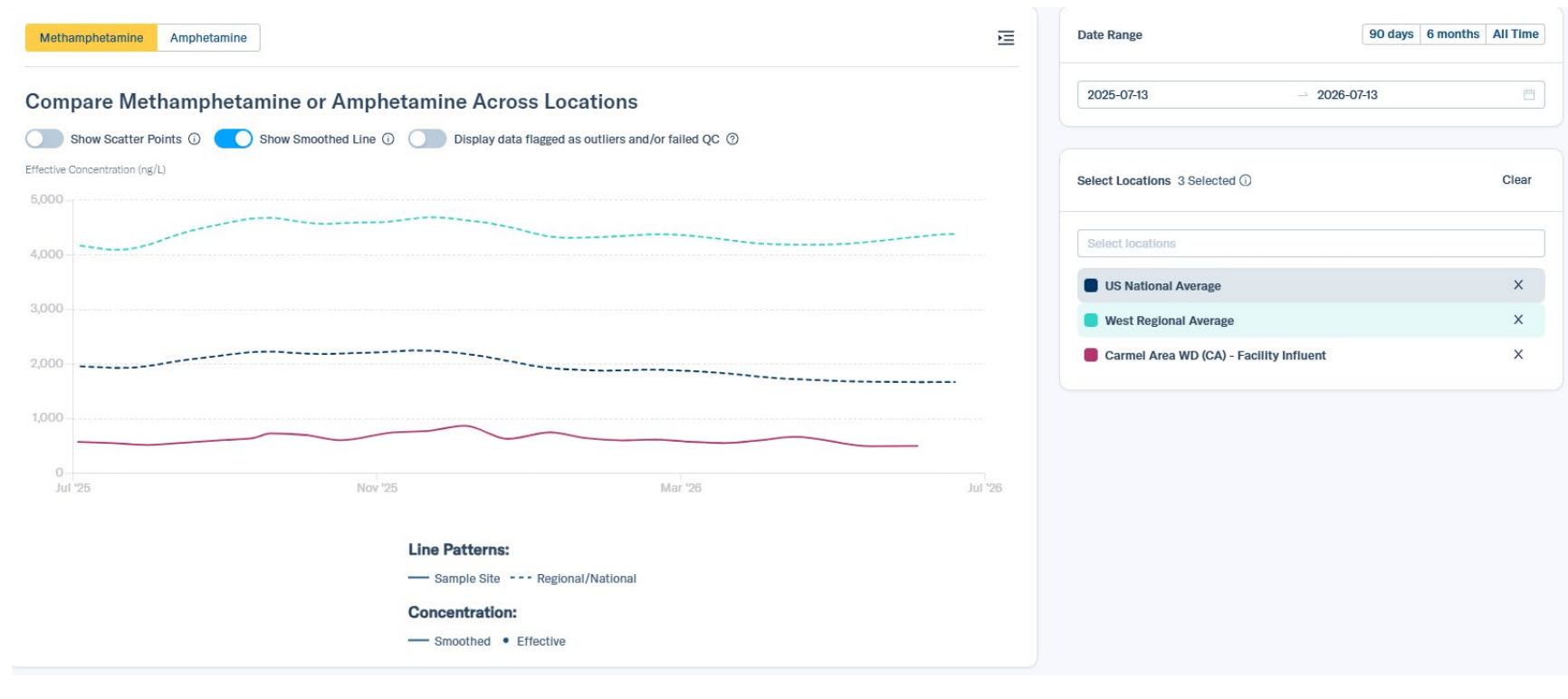
HIGH RISK SUBSTANCES

Note: Samples taken once per week at CAWD Wastewater Treatment Plant. Tests completed by Biobot Analytics.

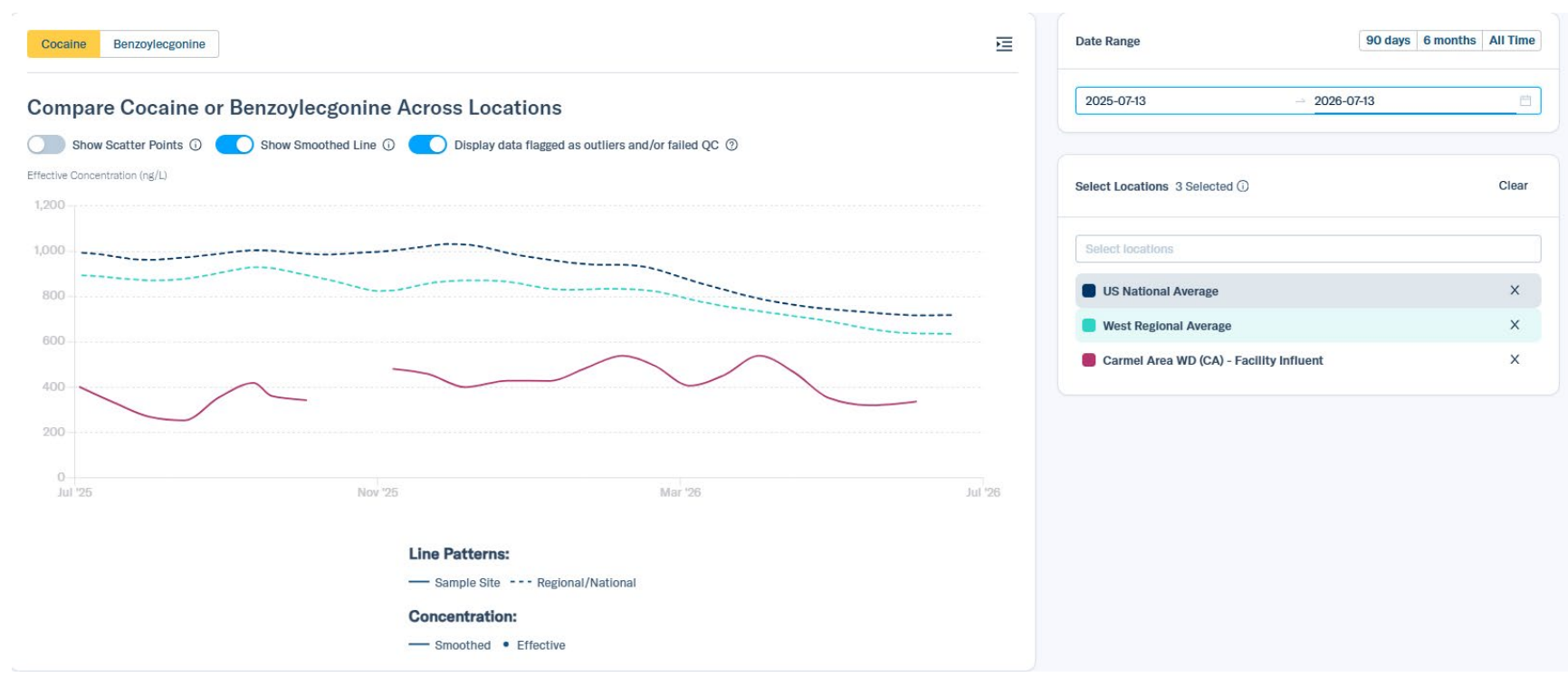
Fentanyl – Past 12 Months:



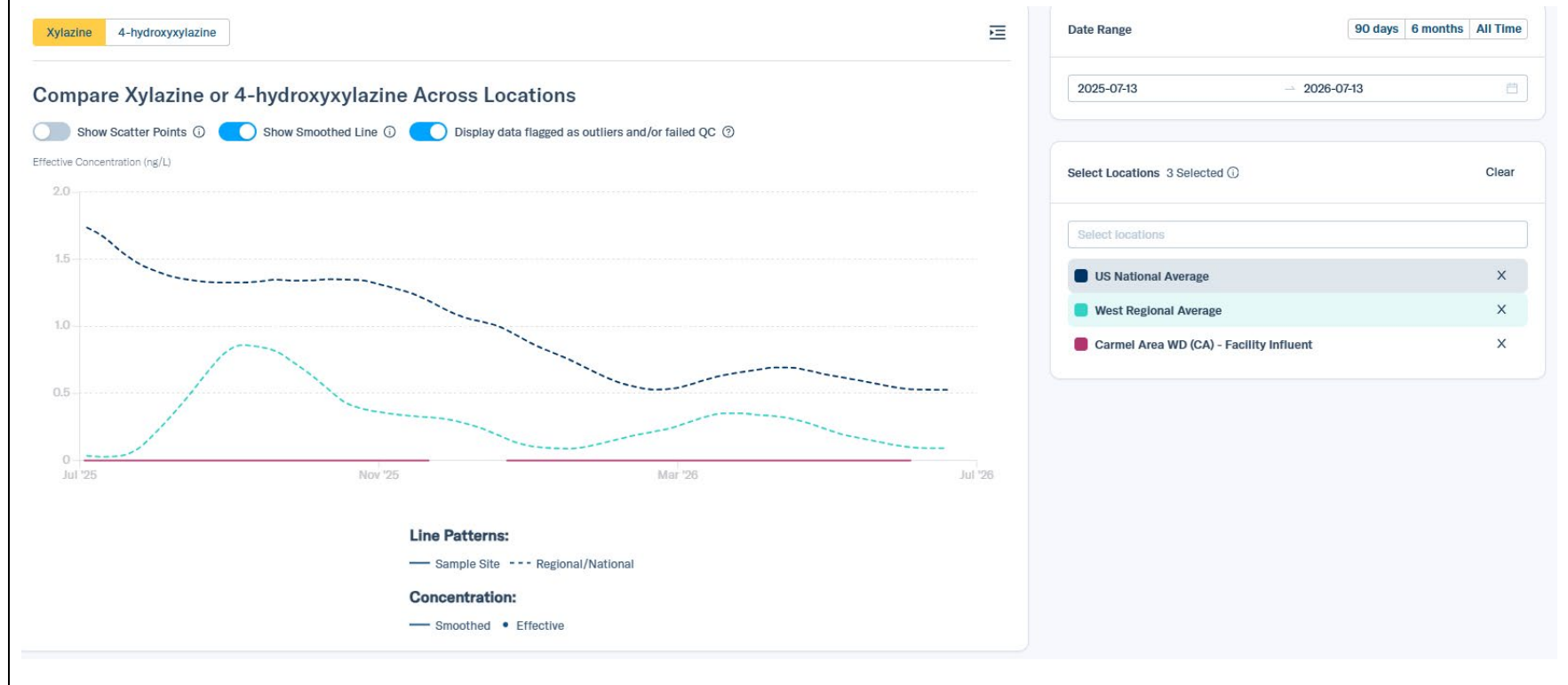
Methamphetamine – Past 12 Months:



Cocaine – Past 12 Months:



Xylazine (Tranq) – Past 12 Months:



FUNDING

N/A Information Only