



National Wastewater Surveillance System (NWSS)

U.S. Mpox Wastewater Data

Updated November 1, 2023



As of September 15, 2023, testing data is temporarily unavailable from about 400 wastewater testing sites nationwide. A new contract is being implemented, and testing and reporting for affected sites is expected to resume shortly.



**NATIONALTM
WASTEWATER
SURVEILLANCE
SYSTEM**

Communities can monitor the presence of mpox virus in wastewater samples. Data from samples can provide an early warning of mpox activity and spread in communities. For general information about wastewater surveillance, visit CDC’s [National Wastewater Surveillance System site](#).

Mpox virus detection in wastewater in the past 4 weeks, United States

Time Period: October 5, 2023 – November 1, 2023

Consistent detection

0 sites (0%)

Intermittent detection

7 sites (1%)

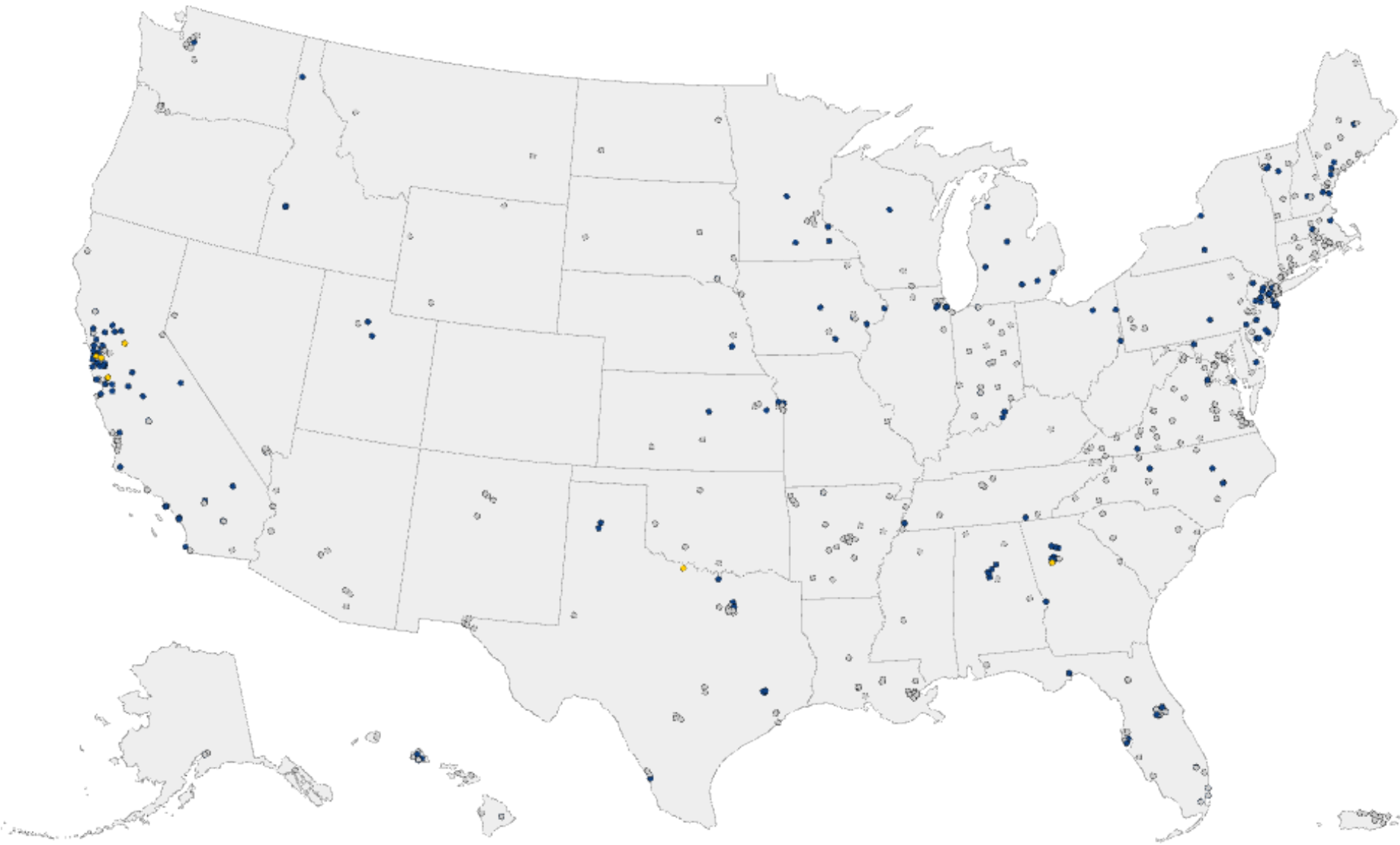
No detection

201 sites (32%)

No recent data

412 sites (66%)

Note: Click on a state to zoom in.



Legend

- Consistent detection
- Intermittent detection
- No detection
- No recent data

Note: Click on a detection category in the legend to remove sites with that detection category from the map.

About the Data

Detection categories:

- Consistent detection:** Mpox virus was detected in more than 80% of samples in the past 4 weeks AND the most recent detection was within the past 2 weeks.
- Intermittent detection:** Mpox virus was detected in 1% to 80% of samples in the past 4 weeks AND the most recent detection was within the past 2 weeks.
- No detection:** Mpox virus was not detected in any samples from the site in the past 4 weeks OR the most recent detection was more than 2 weeks ago.
- No recent data:** Too few samples were submitted (fewer than 3) in the past 4 weeks.

Interpretation:

Laboratory tests used for mpox wastewater surveillance can tell us if the virus's genetic material (viral DNA) is in untreated community wastewater. The tests cannot tell us if there is infectious virus in wastewater, only that the virus's genetic material is present. We do not know if mpox virus remains infectious, or for how long, in untreated wastewater. No detection of mpox virus in wastewater means there is no evidence from wastewater data that mpox is spreading in the local community. However, very low infection levels may be below the detection limit for wastewater testing. Intermittent or consistent detection means there are likely ongoing mpox infections in the community.

Data Table	
Location ▲	Detection Classification
☐ Id:105	No recent data
☐ Id:1079	No recent data
☐ Id:1080 -A	No recent data
☒ Id:1080 -B	No detection
☐ Id:1081	No recent data
☐ Id:1082 -A	No recent data
☒ Id:1082 -B	No detection
☐ Id:1083	No recent data
☐ Id:1084	No recent data
☐ Id:1107	No recent data
☐ Id:1108	No recent data
☐ Id:1113	No recent data
☐ Id:1116	No recent data
☐ Id:1131 -A	No recent data
☒ Id:1131 -B	No detection
☐ Id:1134	No recent data
☐ Id:1139	No recent data
☐ Id:1140	No recent data
☐ Id:1141	No recent data
☐ Id:1142	No recent data
☐ Id:1148	No recent data
☐ Id:1157	No recent data
☐ Id:1158	No recent data
☐ Id:1159	No recent data
☐ Id:1160	No recent data
☐ Id:1161	No recent data
☐ Id:1162	No recent data
☐ Id:1163	No recent data
☐ Id:1165 -A	No recent data
☒ Id:1165 -B	No detection
☐ Id:1172 -A	No recent data
☒ Id:1172 -B	No detection
☐ Id:1173 -A	No recent data
☒ Id:1173 -B	No detection
☐ Id:1175	No recent data
☐ Id:1176	No recent data
☐ Id:1177	No recent data
☐ Id:1179	No recent data
☐ Id:1180	No recent data
☐ Id:1181	No recent data
☐ Id:1195	No recent data
☐ Id:1196	No recent data

Location ▲	Detection Classification
☐ Id:1197	No recent data
☐ Id:1198	No recent data
☐ Id:1199 -A	No recent data
☒ Id:1199 -B	No detection
☐ Id:1200	No recent data
☐ Id:1202	No recent data
☐ Id:1203 -A	No recent data
☒ Id:1203 -B	No detection
☐ Id:1204 -A	No recent data
☒ Id:1204 -B	No detection
☐ Id:1205	No recent data
☐ Id:1206	No recent data
☐ Id:1208 -A	No recent data
☒ Id:1208 -B	No detection
☐ Id:1210	No recent data
☐ Id:1211	No recent data
☐ Id:1218	No recent data
☐ Id:1219 -A	No recent data
☒ Id:1219 -B	No detection
☐ Id:1220	No recent data
☐ Id:1221 -A	No recent data
☒ Id:1221 -B	No detection
☐ Id:1223	No recent data
☐ Id:1224	No recent data
☐ Id:1229	No recent data
☐ Id:1230	No recent data
☐ Id:1231 -A	No recent data
☒ Id:1231 -B	No detection
☐ Id:1237	No recent data
☐ Id:125	No recent data
☐ Id:1259	No recent data
☐ Id:1260	No recent data
☐ Id:1261	No recent data
☐ Id:1262	No recent data
☐ Id:1264	No recent data
☐ Id:1265	No recent data
☐ Id:1266	No recent data
☐ Id:1267	No recent data
☐ Id:1268	No recent data
☐ Id:1269	No recent data
☐ Id:1270	No recent data
☐ Id:1271	No recent data
☐ Id:1272	No recent data
☐ Id:1273	No recent data

Location ▲	Detection Classification
☐ Id:1275	No recent data
☐ Id:1277	No recent data
☐ Id:1278	No recent data
☐ Id:1281	No recent data
☐ Id:1282	No recent data
☐ Id:1283	No recent data
☐ Id:1284	No recent data
☐ Id:1285	No recent data
☐ Id:1288	No recent data
☐ Id:1289	No recent data
☐ Id:1291	No recent data
☐ Id:1292	No recent data
☐ Id:1293 -A	No recent data
☒ Id:1293 -B	No detection
☐ Id:1299	No recent data
☐ Id:1300	No recent data
☐ Id:1302	No recent data
☐ Id:1303	No recent data
☐ Id:1304	No recent data
☐ Id:1305	No recent data
☐ Id:1311	No recent data
☐ Id:1314	No recent data
☐ Id:1317	No recent data
☐ Id:1318	No recent data
☐ Id:1319	No recent data
☐ Id:1320 -A	No recent data
☐ Id:1320 -B	No recent data
☒ Id:1322	No detection
☐ Id:1323 -A	No recent data
☒ Id:1323 -B	No detection
☐ Id:1327	No recent data
☐ Id:1329	No recent data
☐ Id:1330	No recent data
☐ Id:1333	No recent data
☐ Id:1334	No recent data
☐ Id:1337	No recent data
☐ Id:1338	No recent data
☐ Id:1348	No recent data
☐ Id:1349	No recent data
☐ Id:1350	No recent data
☐ Id:1352	No recent data
☐ Id:1353	No recent data
☒ Id:1371	No detection
☒ Id:1378	No detection

Location ▲	Detection Classification
☐ Id:1382	No recent data
☐ Id:1383	No recent data
☐ Id:1384	No recent data
☐ Id:1385	No recent data
☐ Id:1386	No recent data
☐ Id:1387 -A	No recent data
☒ Id:1387 -B	No detection
☐ Id:1388	No recent data
☐ Id:1392	No recent data
☐ Id:1393	No recent data
☐ Id:1394	No recent data
☐ Id:1395	No recent data
☐ Id:1408	No recent data
☐ Id:1409	No recent data
☐ Id:1410 -A	No recent data
☒ Id:1410 -B	No detection
☐ Id:1411	No recent data
☐ Id:1440	No recent data
☐ Id:1441	No recent data
☐ Id:1442	No recent data
☐ Id:1443	No recent data
☐ Id:1444	No recent data
☐ Id:1445	No recent data
☐ Id:1446	No recent data
☐ Id:1447	No recent data
☐ Id:1448	No recent data
☐ Id:1449	No recent data
☐ Id:1450	No recent data
☐ Id:1452	No recent data
☒ Id:1453	No detection
☐ Id:1453 -A	No recent data
☒ Id:1453 -B	No detection
☐ Id:1454	No recent data
☐ Id:1461	No recent data
☐ Id:1462	No recent data
☐ Id:1463	No recent data
☐ Id:1464	No recent data
☐ Id:1465	No recent data
☐ Id:1471	No recent data
☐ Id:1472	No recent data
☐ Id:1473	No recent data
☐ Id:1490	No recent data
☐ Id:1491	No recent data
☐ Id:1494	No recent data

Location ▲	Detection Classification
☐ Id:1495	No recent data
☐ Id:1496	No recent data
☐ Id:1497	No recent data
☐ Id:1501	No recent data
☐ Id:1502	No recent data
☐ Id:1508	No recent data
☐ Id:1509	No recent data
☐ Id:1536	No recent data
☐ Id:1537	No recent data
☐ Id:1539	No recent data
☐ Id:1540 -A	No recent data
☒ Id:1540 -B	No detection
☐ Id:1541	No recent data
☐ Id:1542	No recent data
☐ Id:1543	No recent data
☐ Id:1544	No recent data
☐ Id:1545	No recent data
☐ Id:1546	No recent data
☐ Id:1548	No recent data
☐ Id:1549 -A	No recent data
☐ Id:1550	No recent data
☐ Id:1551	No recent data
☐ Id:1552 -A	No recent data
☒ Id:1552 -B	No detection
☐ Id:1558	No recent data
☐ Id:1559	No recent data
☐ Id:1560	No recent data
☐ Id:1561	No recent data
☐ Id:1565	No recent data
☐ Id:1576	No recent data
☐ Id:1593	No recent data
☐ Id:1605	No recent data
☐ Id:1606	No recent data
☐ Id:1607	No recent data
☐ Id:1613	No recent data
☐ Id:1614	No recent data
☐ Id:1615	No recent data
☒ Id:1616	No detection
☐ Id:1616 -A	No recent data
☒ Id:1616 -B	No detection
☐ Id:1617	No recent data
☐ Id:1618	No recent data
☐ Id:1626	No recent data
☐ Id:1631 -A	No recent data

Location ▲	Detection Classification
● Id:1631 -B	No detection
● Id:1632	No recent data
● Id:1633	No recent data
● Id:1648	No recent data
● Id:1649	No recent data
● Id:1650	No recent data
● Id:1651	No recent data
● Id:1652	No recent data
● Id:1653	No recent data
● Id:1655	No recent data
● Id:1656	No recent data
● Id:1657	No recent data
● Id:1658	No recent data
● Id:1659	No recent data
● Id:1660	No recent data
● Id:1661	No recent data
● Id:1662	No detection
● Id:1663	No detection
● Id:1664	No detection
● Id:1665	No detection
● Id:1666	Intermittent detection
● Id:1667	No detection
● Id:1669	No detection
● Id:1671	No detection
● Id:1672	No detection
● Id:1673	No detection
● Id:1674	No detection
● Id:1675	No detection
● Id:1676	No detection
● Id:1677	No detection
● Id:1682	No detection
● Id:1684	No detection
● Id:1685	No detection
● Id:1687	No detection
● Id:1688	No detection
● Id:1689	No detection
● Id:1690	No detection
● Id:1691	No detection
● Id:1692	No detection
● Id:1693	No detection
● Id:1695	No detection
● Id:1696	No detection
● Id:1697	No detection
● Id:1698	No detection

Location ▲	Detection Classification
● Id:1701	No detection
● Id:1703	No detection
● Id:1706	No detection
● Id:1708	No detection
● Id:1709	No detection
● Id:1710	No detection
● Id:1711	No detection
● Id:1712	No detection
● Id:1713	No detection
● Id:1714	No detection
● Id:1716	No detection
● Id:1717	No detection
● Id:1718	No detection
● Id:1719	No detection
● Id:1720	No detection
● Id:1721	No detection
● Id:1732	No detection
● Id:1733	No detection
● Id:1734	No detection
● Id:1735 -B	No detection
● Id:1736	No detection
● Id:1737	No detection
● Id:1738	No detection
● Id:1739	No detection
● Id:1740	No detection
● Id:1741	No detection
● Id:1742	No detection
● Id:1751 -A	No recent data
● Id:1751 -B	No detection
● Id:1752	No recent data
● Id:1753	No recent data
● Id:1755	No detection
● Id:1759	No recent data
● Id:1760	No detection
● Id:1761	No detection
● Id:1762	No detection
● Id:1764	No detection
● Id:1765	Intermittent detection
● Id:1766	No detection
● Id:177	No recent data
● Id:1778	No recent data
● Id:1779	No detection
● Id:178	No recent data
● Id:1780	No detection

Location ▲	Detection Classification
● Id:1781	No detection
● Id:1783	No detection
● Id:1784	No detection
● Id:1785	No recent data
● Id:1786	No detection
● Id:1789	No detection
● Id:1790	No detection
● Id:1791	No detection
● Id:1792	No detection
● Id:1793	No detection
● Id:180	No recent data
● Id:1807	No detection
● Id:1808	No detection
● Id:181	No recent data
● Id:1810	No detection
● Id:1811	No detection
● Id:1812	No detection
● Id:1813	No detection
● Id:1822 -A	No recent data
● Id:1822 -B	No detection
● Id:1826	No recent data
● Id:1827	No recent data
● Id:1828	No recent data
● Id:1829	No recent data
● Id:1830	No recent data
● Id:1831	No recent data
● Id:1832	No recent data
● Id:1833	No recent data
● Id:1834	No recent data
● Id:1837	No recent data
● Id:1838	No recent data
● Id:1839	No detection
● Id:1842	No detection
● Id:1866	No detection
● Id:1867	No detection
● Id:1869	No detection
● Id:1870	No detection
● Id:188	No recent data
● Id:1918	No recent data
● Id:1930	No detection
● Id:1946	No detection
● Id:1947	No detection
● Id:1948	No detection
● Id:1949	No detection

Location ▲	Detection Classification
☐ Id:1963	No recent data
☐ Id:1985	No recent data
☒ Id:1989	No detection
☒ Id:1990	No detection
☒ Id:1992	No detection
☒ Id:2002	No detection
☐ Id:2003	No recent data
☒ Id:2008	No detection
☐ Id:2029	No recent data
☒ Id:2030	No detection
☒ Id:2031	No detection
☒ Id:2032	No detection
☐ Id:2034	No recent data
☐ Id:2035	No recent data
☐ Id:2036	No recent data
☐ Id:2037	No recent data
☐ Id:2040	No recent data
☐ Id:2041	No recent data
☐ Id:2042	No recent data
☐ Id:2043	No recent data
☐ Id:2044	No recent data
☐ Id:2077	No recent data
☐ Id:2078	No recent data
☐ Id:2079	No recent data
☒ Id:2107	No detection
☒ Id:2109	No detection
☐ Id:2123	No recent data
☐ Id:2171	No recent data
☒ Id:220	No detection
☒ Id:2207	No detection
☒ Id:2208	No detection
☒ Id:2222	No detection
☐ Id:2261	No recent data
☒ Id:2263	No detection
☐ Id:2267	No recent data
☐ Id:2270	No recent data
☒ Id:2271	No detection
☒ Id:2288	No detection
☐ Id:2290	No recent data
☒ Id:2293	No detection
☒ Id:2325	No detection
☒ Id:2326	No detection
☒ Id:2344	No detection
☒ Id:2346	No detection

Location ▲	Detection Classification
● Id:2347	No detection
● Id:2349	No detection
● Id:2350	No detection
● Id:2351	No detection
● Id:2352	No detection
● Id:2353	No detection
● Id:2354	No detection
● Id:2355	No detection
● Id:2356	No detection
● Id:2358	No detection
● Id:2359	No detection
● Id:2360	No recent data
● Id:2373	No detection
● Id:2374	No recent data
● Id:2375	No recent data
● Id:2377	No detection
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● Id:2410	No detection
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● Id:2457	No detection
● Id:285	No recent data
● Id:291	No recent data
● Id:305	No detection
● Id:342	No recent data
● Id:347	No recent data
● Id:352	No detection
● Id:353	Intermittent detection
● Id:362	No detection
● Id:363	Intermittent detection
● Id:38	No recent data
● Id:383	Intermittent detection
● Id:393	No detection
● Id:402	No recent data
● Id:42	No recent data
● Id:421	No recent data
● Id:446	No recent data
● Id:454	No recent data
● Id:461	No recent data

Location ▲	Detection Classification
☐ Id:462	No recent data
☐ Id:464	No recent data
☐ Id:470	No recent data
☐ Id:472	No recent data
☐ Id:475	No recent data
☐ Id:476	No recent data
☐ Id:484	No recent data
☐ Id:485	No recent data
☐ Id:486	No recent data
☐ Id:487	No recent data
☐ Id:492	No recent data
☐ Id:493	No recent data
☒ Id:494	No detection
☐ Id:495 -A	No recent data
☒ Id:495 -B	No detection
☐ Id:496	No recent data
☐ Id:497 -A	No recent data
☒ Id:497 -B	No detection
☐ Id:498	No recent data
☐ Id:499	No recent data
☐ Id:500	No recent data
☐ Id:501	No recent data
☐ Id:503	No recent data
☐ Id:505	No recent data
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☐ Id:547	No recent data
☐ Id:548	No recent data
☐ Id:549	No recent data
☐ Id:550	No recent data
☐ Id:551	No recent data
☐ Id:552	No recent data

Location ▲	Detection Classification
● Id:553	No recent data
● Id:554	No recent data
● Id:555	No recent data
● Id:560	No recent data
● Id:561 -A	No recent data
● Id:561 -B	No detection
● Id:562	No recent data
● Id:563	No recent data
● Id:564 -A	No recent data
● Id:564 -B	Intermittent detection
● Id:565	No recent data
● Id:566	No recent data
● Id:569 -A	No recent data
● Id:569 -B	No detection
● Id:570 -A	No recent data
● Id:570 -B	No detection
● Id:574	No recent data
● Id:575	No recent data
● Id:590	No recent data
● Id:593	No recent data
● Id:599	No recent data
● Id:600	No recent data
● Id:61	No recent data
● Id:635 -U1	No detection
● Id:635 -U2	No recent data
● Id:635 -U3	No detection
● Id:65	No recent data
● Id:661	No recent data
● Id:663	No recent data
● Id:666	No recent data
● Id:667	No recent data
● Id:668 -A	No recent data
● Id:668 -B	No detection
● Id:669 -A	No recent data
● Id:669 -B	No detection
● Id:670 -A	No recent data
● Id:670 -B	No detection
● Id:671 -A	No recent data
● Id:671 -B	No detection
● Id:672	No recent data
● Id:673	No recent data
● Id:674 -U1	No detection
● Id:674 -U2	No detection
● Id:674 -U3	No recent data

Location ▲	Detection Classification
● Id:675 -U1	No detection
● Id:675 -U2	Intermittent detection
● Id:675 -U3	No recent data
● Id:675 -U4	No detection
● Id:675 -U5	No detection
● Id:676	No recent data
● Id:677	No recent data
● Id:678	No recent data
● Id:679	No recent data
● Id:681	No recent data
● Id:682	No recent data
● Id:683	No recent data
● Id:684	No recent data
● Id:686	No recent data
● Id:701	No recent data
● Id:703	No recent data
● Id:706	No recent data
● Id:709	No recent data
● Id:710	No recent data
● Id:711 -A	No recent data
● Id:711 -B	No detection
● Id:715	No recent data
● Id:716	No recent data
● Id:724	No recent data
● Id:727	No recent data
● Id:741	No recent data
● Id:76	No recent data
● Id:763 -A	No recent data
● Id:763 -B	No detection
● Id:764	No recent data
● Id:765	No recent data
● Id:767	No recent data
● Id:768	No recent data
● Id:769	No recent data
● Id:770	No recent data
● Id:771	No recent data
● Id:772 -A	No recent data
● Id:772 -B	No detection
● Id:777	No recent data
● Id:778	No recent data
● Id:779 -A	No recent data
● Id:779 -B	No detection
● Id:781 -A	No recent data
● Id:781 -B	No detection

Location ▲	Detection Classification
☐ Id:783	No recent data
☐ Id:784	No recent data
☐ Id:787	No recent data
☒ Id:788	No detection
☐ Id:788 -A	No recent data
☒ Id:788 -B	No detection
☐ Id:790 -A	No recent data
☒ Id:790 -B	No detection
☐ Id:792	No recent data
☐ Id:793	No recent data
☐ Id:795	No recent data
☐ Id:798 -A	No recent data
☒ Id:798 -B	No detection
☐ Id:802 -A	No recent data
☒ Id:802 -B	No detection
☐ Id:803	No recent data
☐ Id:804	No recent data
☐ Id:805	No recent data
☐ Id:806	No recent data
☐ Id:807	No recent data
☐ Id:808	No recent data
☐ Id:810	No recent data
☐ Id:811	No recent data
☒ Id:813	No detection
☐ Id:828 -A	No recent data
☒ Id:828 -B	No detection
☐ Id:831	No recent data
☐ Id:832	No recent data
☐ Id:833	No recent data
☐ Id:834 -A	No recent data
☒ Id:834 -B	No detection
☐ Id:835	No recent data
☐ Id:847	No recent data
☐ Id:848	No recent data
☐ Id:849	No recent data
☐ Id:853	No recent data
☐ Id:854	No recent data
☐ Id:863	No recent data
☐ Id:865 -A	No recent data
☒ Id:865 -B	No detection
☐ Id:867 -A	No recent data
☒ Id:867 -B	No detection
☐ Id:892	No recent data
☐ Id:993	No recent data

Data Description:

- Data are updated weekly.
- Each dot on the map represents a wastewater site. A site can represent all or part of a sewershed, which is the geographic area contributing wastewater to a sampling location. Sewersheds may cross county or state boundaries.
- Samples from some sites are tested for mpox virus at different laboratories that may use different collection and testing methods. These sites have more than one dot on the map with the same sewershed number followed by a different letter. These sites may have different detection categories for the different dots.
- Not all communities report wastewater data to CDC. Participation is voluntary. Wastewater samples are collected from sewer systems, so communities that rely primarily on septic systems are not represented.

Dot Locations:

Data are plotted in the ZIP code of the sampling location, so dots on the map do not correspond exactly to sampling locations.

Data Sources:

Data are from the National Wastewater Surveillance System ([NWSS](#)).

Laboratory Methods:

Mpox virus in wastewater is detected using quantitative polymerase chain reaction (qPCR) or digital polymerase chain reaction (dPCR) tests. Different laboratories may use different testing methods. For general information about testing methods, please visit [CDC's Wastewater Surveillance Testing Methods webpage](#). This webpage provides information on SARS-CoV-2 wastewater testing methods, which are similar to mpox wastewater testing methods.
