

COVID Data Tracker

Maps, charts, and data provided by CDC, updates Mon-Fri by 8 pm ET

[COVID-19 Home >](#)



Please note that during the holiday season there will be delays in the collection of wastewater samples and reporting of wastewater data.



CDC recommends use of [COVID-19 Community Levels](#) to determine the impact of COVID-19 on communities and to take [action](#). CDC also provides [Transmission Levels](#) (also known as Community Transmission) to describe the amount of COVID-19 spread within each county. Healthcare facilities use Transmission Levels to determine [infection control](#) interventions.

United States at a Glance

Collapse

United States
At a Glance

Cases Total 100,216,983

Case Trends

Deaths Total 1,086,197

Death Trends

Current Hosp. 33,501

Admission Trends

14.6% of People 5+ with Updated Booster Dose



Data Tracker Home

Cases, Deaths, & Testing

Case & Death Demographic Trends

Vaccination Distribution & Coverage

Vaccine Effectiveness & Breakthrough Surveillance

Health Equity

Pediatric

Pregnancy

Wastewater Surveillance

COVID-19: Wastewater Surveillance

Communities can track the presence of SARS-CoV-2, the virus that causes COVID-19, in wastewater samples. These data can provide an early warning of COVID-19's spread in communities. For more information, visit the [Wastewater Surveillance System page](#).

Monitoring Wastewater Surveillance Data

Wastewater surveillance for COVID-19 is a rapidly developing field. State, tribal, local, and health departments participating in the National Wastewater Surveillance System (NWSS) testing data to CDC. CDC then standardizes and interprets these data and presents them in the COVID Data Tracker. How often sites collect wastewater samples and how frequently data are reported to CDC varies by health department.

Wastewater data are meant to be used with other COVID-19 surveillance data to better understand COVID-19's spread in a community. Learn more about wastewater data by exploring each chart and map. To see a map of which SARS-CoV-2 variant is the most dominant at each wastewater sampling site, see [CDC COVID Data Tracker: Summary of Variant Surveillance](#).

[View information about the data and download the data.](#)



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Maps, charts, and data provided by CDC, updates Mon-Fri by 8pm ET[†]. This represents all wastewater data s CDC's NWSS DCIPHER platform, with the exceptions described in the [About the Data section](#) below. Each d represents a site. A site can represent all or part of a "sewershed," which is the area contributing wastewater location. Not all communities report wastewater data to CDC. Participation is voluntary, and wastewater san from sewer systems so communities that rely primarily on septic systems are not represented. In addition, s submit data to NWSS are not represented on the map due to various factors, such as small population size c specific sampling.

[View Footnotes and Download Data](#)

Wastewater Metric Chart

This chart shows how much virus levels have changed (increased and decreased) over time at v across the United States. It shows the percent of sites in each category of the percent change r date among all sites with available data.

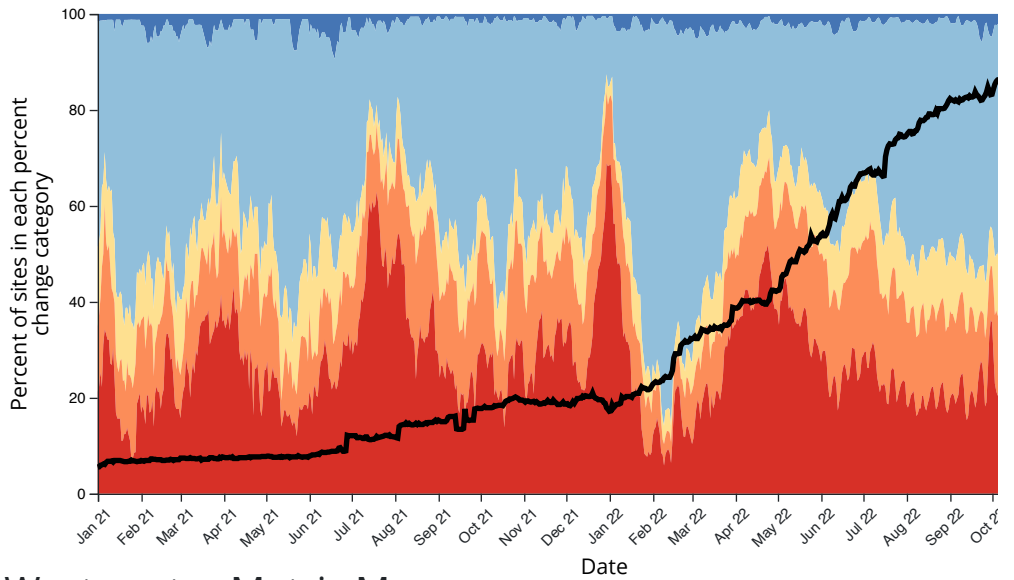
The percent change metric shows whether virus levels have increased or decreased at sites ov days.

- Blue categories (Large decrease (-100%); Decrease (-99% to -10%)): Virus levels decreased c the last 15 days.
- Yellow category (Stable (-9% to 9%)): Virus levels stayed about the same at these sites in th
- Orange and red categories (Increase (10% to 99%); Large increase (100% or more)): Virus le these sites in the last 15 days.

The chart shows the overall percent of sites that were in each category over time since January area on the chart is shaded light or dark blue, it means virus levels were decreasing at more sit in time. If more area on the chart is shaded red or orange, it means virus levels were increasing that point in time. Since the percent change in the last 15 days metric may be affected by how wastewater plants were collecting wastewater samples, the black line shows the number of sai available data for each date.

Note: This chart **does not** show overall levels of SARS-CoV-2 in wastewater.

Percent of sites in each percent change category over time, l States



Wastewater Metric Map

State or territory:

Select State or Territory

County:

Select a state in order to enable county select

[Reset Selections](#)

Time Period: Dec 11, 2022 – Dec 25, 2022

Major Cities On Major Cities Off

Metric:

- Current virus levels in wastewater by site
- Percent change in the last 15 days
- Percent of wastewater samples with detectable virus

Show:

- Sites with no recent data
- Sites that started sampling after Dec 1, 2021

Current virus levels in wastewater by site

This metric shows whether SARS-CoV-2 levels at a site are currently higher or lower than past levels at the same site. 0% means levels are the lowest they have been at the site; 100% means the highest they have been at the site. Public health officials watch for increasing levels of the virus in wastewater over time and use these data to help make public health decisions.

⚠ Note: Sites began collecting data at different times. Sites that began reporting wastewater data on or after December 1, 2021 are not comparable to sites that started reporting data on or before December 1, 2021. The data history for these new sites is not long enough to reflect the same surges as the other sites.

Current SARS-CoV-2 virus levels by site, United States

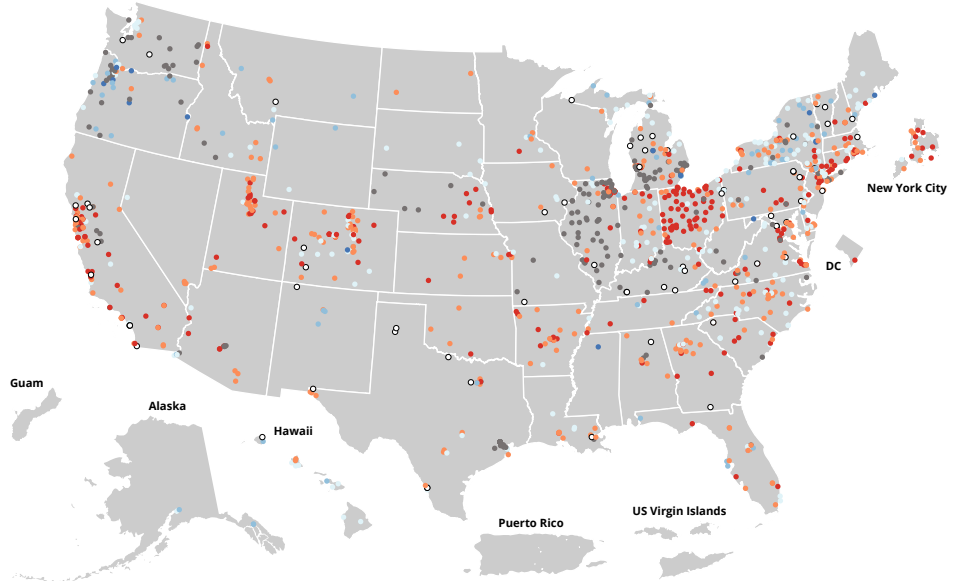
Current virus levels category	Num. sites	% sites	Category change in
<input type="checkbox"/> New Site	67	7	5%
<input type="checkbox"/> 0% to 19%	16	2	- 20%
<input type="checkbox"/> 20% to 39%	73	8	- 19%
<input type="checkbox"/> 40% to 59%	209	22	- 11%

Current virus levels category	Num. sites	% sites	Category change in
60% to 79%	335	35	- 16%
80% to 100%	270	28	- 9%

Total sites with current data: 970

Total number of wastewater sampling sites: 1199

[How is the current SARS-CoV-2 level compared to past levels calculated?](#)



Select legend categories to filter points on the map.

- New site
- 0% to 19%
- 20% to 39%
- 40% to 59%
- 60% to 79%
- 80% to 100%
- No recd

Data Downloads and Footnotes

Expand each accordion to view data table and download data

[View Historic Wastewater Data](#)

Data Table for Wastewater Surveillance Current Virus Levels (in %)

CDC | Data as of: Wednesday, December 28, 2022 2:28 PM ET. Posted: Wednesday, December 28, 2022 3:47 PM ET

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
Alabama	1778	Alabama	Marshall	9,000
Alabama	1464	Alabama	Lee	72,000
Alabama	1394	Alabama	Shelby	11,000
Alabama	1664	Alabama	Jefferson	95,000
Alabama	1688	Alabama	Jefferson	77,000
Alabama	1719	Alabama	Jefferson	200,000
Alabama	1333	Alabama	Colbert	19,000
Alabama	1716	Alabama	Jefferson	30,000
Alabama	1718	Alabama	Jefferson	225,000
Alaska	1172	Alaska	Anchorage	200,000
Alaska	1158	Alaska	Anchorage	15,000
Alaska	1490	Alaska	Juneau	10,000
Alaska	1491	Alaska	Juneau	20,000
Arizona	1054	Arizona	Yuma	10,873
Arizona	1055	Arizona	Yuma	4,725

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
Arizona	1212	Arizona	Maricopa	64,521
Arizona	1212	Arizona	Maricopa	6,500
Arizona	808	Arizona	Mohave	37,500
Arizona	501	Arizona	La Paz	3,500
Arizona	1327	Arizona	Mohave	30,000
Arizona	1271	Arizona	Pima	23,000
Arizona	1334	Arizona	Maricopa	150,000
Arizona	1382	Arizona	Maricopa	50,000
Arizona	1383	Arizona	Maricopa	2,400,000
Arizona	590	Arizona	Pima	347,900
Arizona	715	Arizona	Pima	397,407
Arizona	1053	Arizona	Yuma	8,271
Arizona	1059	Arizona	Yuma	18,039
Arizona	1212	Arizona	Maricopa	17,280
Arizona	1212	Arizona	Maricopa	9,430
Arizona	1212	Arizona	Maricopa	9,848
Arizona	1212	Arizona	Maricopa	12,542
Arkansas	741	Arkansas	Mississippi	5,500
Arkansas	446	Arkansas	Pulaski	32,043
Arkansas	1565	Arkansas	Ouachita	10,200
Arkansas	1544	Arkansas	Garland	92,000
Arkansas	1537	Arkansas	Benton	17,737
Arkansas	1536	Arkansas	Greene	29,000
Arkansas	1509	Arkansas	White	25,000
Arkansas	1461	Arkansas	Saline	35,000
Arkansas	1442	Arkansas	Lonoke	27,000
Arkansas	1444	Arkansas	Pulaski	5,000
Arkansas	1462	Arkansas	Washington	93,949
Arkansas	1465	Arkansas	Washington	93,949
Arkansas	1472	Arkansas	Saint Francis	13,000
Arkansas	1540	Arkansas	Boone	14,000
Arkansas	1542	Arkansas	Pulaski	30,377
Arkansas	1543	Arkansas	Pulaski	23,812
Arkansas	1545	Arkansas	Pulaski	28,500
Arkansas	1546	Arkansas	Pulaski	18,463
Arkansas	1548	Arkansas	Jefferson	42,323
Arkansas	1550	Arkansas	Pope	31,000
Arkansas	1558	Arkansas	Hempstead	10,500
California	1188	California	Ventura	220,000
California	1361	California	Stanislaus	86,000
California	1365	California	Yolo	3,272
California	1371	California	Merced	42,000
California	1372	California	Merced	91,000
California	1513	California	Kern	279,023
California	215	California	Los Angeles, Ventura	4,000,000
California	803	California	Santa Cruz	150,000
California	802	California	Santa Cruz	85,000
California	793	California	San Luis Obispo	39,000
California	778	California	Lake	10,080

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
California	724	California	Contra Costa	215,394
California	570	California	Sonoma	220,000
California	564	California	Alameda	60,000
California	506	California	Ventura, Los Angeles	100,000
California	495	California	Santa Cruz	60,000
California	1561	California	San Luis Obispo	6,500
California	1443	California	Imperial	50,000
California	1387	California	Monterey	250,000
California	1320	California	Ventura	230,000
California	1288	California	El Dorado	40,000
California	1219	California	Lake	5,000
California	299	California	Orange	1,800,000
California	352	California	Santa Clara	110,338
California	356	California	San Bernardino	325,000
California	357	California	San Diego	2,200,000
California	363	California	San Mateo, San Francisco	750,000
California	363	California	San Mateo, San Francisco	750,000
California	383	California	Sacramento	1,480,000
California	393	California	San Mateo	199,000
California	77	California	Imperial	40,000
California	88	California	Contra Costa	487,300
California	1371	California	Merced	42,000
California	1665	California	San Mateo	40,000
California	1668	California	Contra Costa	484,800
California	1669	California	Marin	104,250
California	1670	California	Marin	25,000
California	1676	California	San Luis Obispo	31,037
California	1677	California	San Mateo	150,000
California	1678	California	Santa Cruz	160,000
California	1679	California	Santa Cruz	160,000
California	1685	California	Alameda	740,000
California	1687	California	Sonoma	65,000
California	1693	California	Los Angeles	3,500,000
California	1694	California	Los Angeles	200,000
California	1698	California	Santa Barbara	69,290
California	1709	California	San Bernardino	890,000
California	1711	California	Marin	18,000
California	1712	California	San Mateo	28,000
California	1713	California	Napa	83,300
California	1717	California	Solano	121,000
California	1720	California	Contra Costa	100,000
California	1733	California	Alameda	47,229
California	1734	California	Alameda	68,150
California	1785	California	San Diego	1,600,000
California	1789	California	Orange	48,000
California	1792	California	Orange	129,000
California	834	California	Riverside	91,765
California	1173	California	Contra Costa	494,300
California	1199	California	Kings	59,000

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
California	1209	California	Marin	13,000
California	1230	California	San Luis Obispo	47,400
California	1409	California	San Bernardino	78,000
California	1560	California	San Luis Obispo	14,276
California	1593	California	San Luis Obispo	6,500
California	1759	California	San Luis Obispo	15,200
California	461	California	Humboldt	43,173
California	763	California	Santa Cruz	160,000
California	779	California	Los Angeles	200,000
California	834	California	Riverside	91,765
California	1019	California	Lake	13,200
California	126	California	Yolo	70,717
California	1373	California	Stanislaus	230,000
California	1377	California	Yolo	7,285
California	1378	California	Yolo	59,000
California	137	California	Alameda, Contra Costa	740,000
California	1524	California	Plumas	4,217
California	158	California	Fresno	650,000
California	211	California	Los Angeles	3,500,000
California	305	California	Santa Clara	236,000
California	353	California	Santa Clara	1,500,000
California	354	California	Santa Clara	153,000
California	362	California	San Francisco, San Mateo	250,000
California	362	California	San Mateo, San Francisco	210,000
California	59	California	Kern	168,750
California	1674	California	San Benito	42,000
California	1680	California	Sonoma	230,000
California	1684	California	San Diego	2,200,000
California	1690	California	Los Angeles	4,000,000
California	1695	California	Marin	30,000
California	1703	California	Marin	53,000
California	1732	California	Alameda	229,476
California	1756	California	Monterey	262,000
California	1760	California	Yolo	4,006
California	1766	California	Yolo	7,286
California	1784	California	Marin	30,000
California	1790	California	Orange	120,000
California	1793	California	Sonoma	28,000
Colorado	1290	Colorado	Garfield	7,300
Colorado	1156	Colorado	Pitkin	5,714
Colorado	1407	Colorado	San Juan	3,000
Colorado	142	Colorado	Larimer	5,818
Colorado	1451	Colorado	Chaffee	19,286
Colorado	150	Colorado	Larimer	17,997
Colorado	1515	Colorado	El Paso	4,779
Colorado	1525	Colorado	Weld	13,779
Colorado	1588	Colorado	Douglas	14,286
Colorado	1592	Colorado	Montrose	30,857
Colorado	161	Colorado	Garfield	16,714

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
Colorado	1748	Colorado	Delta	6,857
Colorado	226	Colorado	Boulder	17,600
Colorado	227	Colorado	Larimer	66,428
Colorado	252	Colorado	Denver	709,904
Colorado	329	Colorado	Pueblo	96,514
Colorado	396	Colorado	San Miguel	15,000
Colorado	437	Colorado	Larimer	9,292
Colorado	47	Colorado	Pitkin	5,500
Colorado	556	Colorado	Morgan	12,000
Colorado	576	Colorado	Routt	43,741
Colorado	657	Colorado	Summit	28,571
Colorado	737	Colorado	Alamosa	18,364
Colorado	749	Colorado	Eagle	21,071
Colorado	751	Colorado	Mesa	89,286
Colorado	846	Colorado	Gunnison	30,000
Colorado	928	Colorado	Weld	20,000
Colorado	1704	Colorado	Douglas	35,000
Colorado	1705	Colorado	Douglas	25,000
Colorado	1111	Colorado	Teller	7,143
Colorado	1135	Colorado	Teller	6,379
Colorado	1154	Colorado	Pitkin	17,571
Colorado	116	Colorado	El Paso	102,203
Colorado	117	Colorado	El Paso	303,855
Colorado	122	Colorado	Summit	7,857
Colorado	1514	Colorado	El Paso	5,936
Colorado	1517	Colorado	El Paso	19,286
Colorado	1518	Colorado	El Paso	19,286
Colorado	151	Colorado	Larimer	92,126
Colorado	152	Colorado	Larimer	26,621
Colorado	1563	Colorado	Elbert	3,571
Colorado	1591	Colorado	Otero	29,643
Colorado	163	Colorado	Weld	83,319
Colorado	224	Colorado	Boulder, Weld	75,543
Colorado	251	Colorado	Denver	345,453
Colorado	368	Colorado	Adams	54,560
Colorado	370	Colorado	Larimer	23,193
Colorado	372	Colorado	Arapahoe, Denver	247,443
Colorado	408	Colorado	Summit	35,643
Colorado	49	Colorado	Arapahoe, Adams	268,003
Colorado	578	Colorado	Las Animas	14,286
Colorado	58	Colorado	Weld, Larimer	7,946
Colorado	656	Colorado	La Plata	23,429
Colorado	66	Colorado	Boulder	89,383
Colorado	72	Colorado	Broomfield	53,355
Colorado	747	Colorado	Arapahoe	25,714
Colorado	748	Colorado	El Paso	34,286
Colorado	841	Colorado	Adams	21,429
Colorado	843	Colorado	Eagle	30,714
Colorado	844	Colorado	Eagle	19,286

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
Colorado	845	Colorado	Summit	14,286
Colorado	887	Colorado	Summit	18,571
Connecticut	806	Connecticut	Fairfield	65,000
Connecticut	771	Connecticut	Fairfield	120,000
Connecticut	291	Connecticut	Fairfield	75,000
Connecticut	1618	Connecticut	Hartford	25,000
Connecticut	1612	Connecticut	Windham	10,000
Connecticut	1395	Connecticut	Fairfield	52,265
Connecticut	1196	Connecticut	New Haven	19,500
Connecticut	1079	Connecticut	New Haven	228,000
Connecticut	1163	Connecticut	New London	22,000
Connecticut	534	Connecticut	Fairfield	100,000
Connecticut	686	Connecticut	New Haven	112,000
Connecticut	832	Connecticut	New London	40,000
Delaware	1184	Delaware	Kent	130,000
Delaware	1186	Delaware	Sussex	4,050
Delaware	1191	Delaware	Sussex	75,000
Delaware	1183	Delaware	Sussex	7,000
Delaware	1185	Delaware	Sussex	4,392
Delaware	1187	Delaware	New Castle	17,145
Delaware	1192	Delaware	Sussex	7,000
Delaware	1194	Delaware	New Castle	539,000
District of Columbia	486	District of Columbia	District Of Columbia	1,600,000
Florida	706	Florida	Escambia	197,000
Florida	574	Florida	Pinellas	220,000
Florida	511	Florida	Pinellas	103,000
Florida	1631	Florida	Orange	50,000
Florida	1552	Florida	Leon	200,000
Florida	1551	Florida	Palm Beach	300,000
Florida	1502	Florida	Alachua	100,000
Florida	1501	Florida	Alachua	100,000
Florida	1408	Florida	Seminole, Orange	85,700
Florida	1392	Florida	Hillsborough	180,000
Florida	1144	Florida	Orange, Seminole	51,000
Florida	1145	Florida	Seminole	43,010
Florida	1686	Florida	Orange	195,299
Florida	1702	Florida	Orange	66,690
Florida	1715	Florida	Orange	183,009
Florida	1410	Florida	Palm Beach, Martin	96,136
Florida	1606	Florida	Lee	76,800
Florida	1613	Florida	Sarasota	100,000
Florida	668	Florida	Miami-Dade	920,528
Florida	669	Florida	Orange	277,823
Florida	670	Florida	Orange	59,587
Florida	671	Florida	Orange	463,672
Florida	711	Florida	Miami-Dade	829,725
Florida	781	Florida	Miami-Dade	776,150
Florida	1631	Florida	Orange	50,000

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
Florida	1699	Florida	Palm Beach	90,000
Florida	1735	Florida	Seminole	95,000
Georgia	684	Georgia	Dekalb	325,000
Georgia	1109	Georgia	Lowndes	65,000
Georgia	1072	Georgia	Gwinnett	650,000
Georgia	1074	Georgia	Paulding	8,000
Georgia	1169	Georgia	Clarke	56,500
Georgia	1724	Georgia	Forsyth	36,500
Georgia	1666	Georgia	Fulton	73,821
Georgia	1692	Georgia	Fulton	84,486
Georgia	1714	Georgia	Chattahoochee, Muscogee	278,000
Georgia	1740	Georgia	Fulton	94,000
Georgia	1741	Georgia	Fulton	94,000
Georgia	1742	Georgia	Fulton	94,000
Georgia	476	Georgia	Richmond	197,191
Georgia	1071	Georgia	Paulding	10,000
Georgia	1073	Georgia	Cobb	190,000
Georgia	1309	Georgia	Newton	32,000
Georgia	1723	Georgia	Laurens	17,000
Georgia	1728	Georgia	Cobb	190,000
Georgia	1747	Georgia	Lowndes	19,400
Georgia	1663	Georgia	Fulton	189,593
Georgia	1697	Georgia	Fulton	12,818
Guam	1448	Guam	Guam	105,000
Guam	1446	Guam	Guam	8,000
Guam	1440	Guam	Guam	66,000
Guam	1441	Guam	Guam	9,000
Guam	1450	Guam	Guam	7,000
Hawaii	798	Hawaii	Honolulu	48,519
Hawaii	790	Hawaii	Honolulu	700,000
Hawaii	710	Hawaii	Kauai	10,000
Hawaii	1175	Hawaii	Maui	52,000
Hawaii	1181	Hawaii	Maui	59,000
Hawaii	1203	Hawaii	Honolulu	300,000
Hawaii	1204	Hawaii	Honolulu	109,236
Hawaii	1205	Hawaii	Maui	49,000
Hawaii	1208	Hawaii	Honolulu	20,800
Hawaii	1221	Hawaii	Hawaii	32,600
Hawaii	1286	Hawaii	Kauai	6,900
Hawaii	1337	Hawaii	Hawaii	5,000
Idaho	1023	Idaho	Latah	24,000
Idaho	1066	Idaho	Bonneville	60,000
Idaho	1129	Idaho	Kootenai	38,500
Idaho	1227	Idaho	Bannock	75,000
Idaho	1347	Idaho	Minidoka	6,200
Idaho	992	Idaho	Ada	167,500
Idaho	1672	Idaho	Kootenai	50,540
Idaho	1067	Idaho	Twin Falls	48,951
Idaho	1225	Idaho	Bingham	14,045

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
Idaho	1228	Idaho	Caribou	3,200
Idaho	1249	Idaho	Blaine	5,338
Idaho	1406	Idaho	Elmore	5,500
Idaho	818	Idaho	Ada	120,344
Illinois	683	Illinois	Cook	161,000
Illinois	682	Illinois	Cook	265,000
Illinois	1062	Illinois	Kendall	320,000
Illinois	1100	Illinois	Du Page	40,438
Illinois	1246	Illinois	Du Page	65,000
Illinois	1247	Illinois	Lake	80,000
Illinois	1252	Illinois	Du Page	59,805
Illinois	1316	Illinois	Will	50,244
Illinois	1326	Illinois	Saint Clair	85,593
Illinois	1586	Illinois	Mchenry	15,360
Illinois	1609	Illinois	Du Page	45,000
Illinois	462	Illinois	Winnebago	353,599
Illinois	602	Illinois	Union	4,442
Illinois	604	Illinois	Cass	5,446
Illinois	616	Illinois	Christian	12,663
Illinois	617	Illinois	Mchenry	78,261
Illinois	622	Illinois	Effingham	12,384
Illinois	623	Illinois	Clay	5,100
Illinois	624	Illinois	Stephenson	27,218
Illinois	626	Illinois	Knox	39,153
Illinois	627	Illinois	Morgan	23,818
Illinois	628	Illinois	Kankakee	56,317
Illinois	635	Chicago	Cook	23,475
Illinois	635	Illinois	Cook	1,134,897
Illinois	636	Illinois	Cook	110,394
Illinois	637	Illinois	Cook	13,098
Illinois	639	Illinois	Cook	1,127,736
Illinois	641	Illinois	Cook	217,106
Illinois	643	Illinois	Lake	55,735
Illinois	644	Illinois	Lake	105,208
Illinois	645	Illinois	Lake	126,629
Illinois	649	Illinois	Bureau	7,555
Illinois	650	Illinois	Adams	50,695
Illinois	651	Illinois	Carroll	5,615
Illinois	652	Illinois	Shelby	5,329
Illinois	653	Illinois	Macoupin	4,480
Illinois	654	Illinois	Whiteside	18,678
Illinois	674	Chicago	Cook	23,324
Illinois	674	Chicago	Cook	54,362
Illinois	675	Chicago	Cook	77,799
Illinois	731	Illinois	Bureau	5,400
Illinois	857	Illinois	Lawrence	4,399
Illinois	983	Illinois	Mchenry	15,000
Illinois	984	Illinois	Du Page	18,800
Illinois	1689	Illinois	Du Page	86,000

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
Illinois	462	Illinois	Winnebago	240,000
Illinois	546	Illinois	Kankakee	65,000
Illinois	1243	Illinois	Du Page	76,324
Illinois	1244	Illinois	Du Page	86,000
Illinois	1527	Illinois	Kendall	13,477
Illinois	1587	Illinois	Mchenry	10,240
Illinois	1610	Illinois	Washington	3,425
Illinois	603	Illinois	Kane	11,290
Illinois	605	Illinois	Saint Clair	26,150
Illinois	606	Illinois	Saint Clair	26,150
Illinois	607	Illinois	Boone	25,134
Illinois	611	Illinois	Fulton	13,506
Illinois	612	Illinois	Greene	3,064
Illinois	619	Illinois	Vermilion	30,479
Illinois	620	Illinois	Macon	88,500
Illinois	621	Illinois	Perry	6,448
Illinois	625	Illinois	Jo Daviess	3,460
Illinois	631	Illinois	Mcdonough	22,004
Illinois	632	Illinois	Cook	270,647
Illinois	633	Illinois	Warren	10,836
Illinois	634	Illinois	Jefferson	21,169
Illinois	635	Chicago	Cook	3,816
Illinois	638	Illinois	Cook	1,127,737
Illinois	642	Illinois	Du Page	128,358
Illinois	647	Illinois	Peoria	157,379
Illinois	655	Illinois	Champaign	91,041
Illinois	675	Chicago	Cook	29,370
Illinois	675	Chicago	Cook	83,455
Illinois	675	Chicago	Cook	24,099
Illinois	697	Illinois	Rock Island	25,202
Illinois	698	Illinois	Rock Island	43,768
Illinois	699	Illinois	Tazewell	30,997
Illinois	871	Illinois	La Salle	18,307
Illinois	894	Illinois	Lee	15,115
Illinois	972	Illinois	Saint Clair	32,289
Illinois	978	Illinois	Mclean	42,000
Illinois	979	Illinois	Mclean	44,238
Illinois	980	Illinois	Mclean	44,237
Illinois	981	Illinois	De Kalb	43,862
Illinois	982	Illinois	Cook	1,263,110
Illinois	1721	Illinois	Du Page	63,000
Indiana	828	Indiana	Hamilton	86,000
Indiana	1352	Indiana	Jefferson	16,000
Indiana	1350	Indiana	Allen	315,000
Indiana	1289	Indiana	Vigo	58,500
Indiana	1273	Indiana	Dubois	16,000
Indiana	1267	Indiana	Kosciusko	21,600
Indiana	1456	Indiana	Clark	21,000
Indiana	1459	Indiana	Jasper	5,800

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
Indiana	1479	Indiana	Elkhart	35,000
Indiana	1481	Indiana	Marion	14,000
Indiana	1619	Indiana	Marion	800,000
Indiana	1681	Indiana	St Joseph	130,000
Indiana	1739	Indiana	Clark	25,000
Indiana	772	Indiana	Monroe	56,090
Indiana	1162	Indiana	Hamilton	98,000
Indiana	1269	Indiana	Lake	28,000
Indiana	1281	Indiana	Delaware	67,000
Indiana	1293	Indiana	St Joseph	130,000
Indiana	1314	Indiana	Wayne	36,000
Indiana	1318	Indiana	Huntington	17,612
Indiana	1319	Indiana	Howard	45,000
Indiana	678	Indiana	Bartholomew	49,000
Indiana	765	Indiana	Monroe	28,350
Indiana	772	Indiana	Monroe	67,500
Indiana	1458	Indiana	Noble	10,000
Indiana	1480	Indiana	Rush	6,208
Indiana	1482	Indiana	Porter	36,000
Indiana	1738	Indiana	Clark	25,000
Iowa	544	Iowa	Johnson	75,849
Iowa	1449	Iowa	Mahaska	6,357
Iowa	1447	Iowa	Mahaska	5,201
Iowa	1303	Iowa	Woodbury	102,000
Iowa	105	Iowa	Johnson	21,000
Iowa	1496	Iowa	Winneshiek	8,500
Iowa	1783	Iowa	Muscatine	24,400
Iowa	1791	Iowa	Wapello	25,529
Kansas	833	Kansas	Shawnee	50,000
Kansas	807	Kansas	Ford	27,000
Kansas	1304	Kansas	Johnson	73,829
Kansas	1300	Kansas	Johnson	42,235
Kansas	1299	Kansas	Johnson	112,076
Kansas	1710	Kansas	Saline	47,000
Kansas	1292	Kansas	Johnson	66,377
Kansas	1305	Kansas	Johnson	54,985
Kansas	472	Kansas	Reno	40,000
Kansas	787	Kansas	Shawnee	90,000
Kansas	1696	Kansas	Douglas	800,000
Kentucky	1207	Kentucky	Carroll	3,000
Kentucky	1253	Kentucky	Boyd	32,575
Kentucky	1257	Kentucky	Magoffin	3,508
Kentucky	1579	Kentucky	Franklin	36,137
Kentucky	1581	Kentucky	Jessamine	31,038
Kentucky	1771	Kentucky	Russell	6,483
Kentucky	1772	Kentucky	Mccreary	6,255
Kentucky	1773	Kentucky	Powell	4,603
Kentucky	902	Kentucky	Jefferson	295,910
Kentucky	903	Kentucky	Jefferson	32,460

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
Kentucky	904	Kentucky	Jefferson	31,269
Kentucky	905	Kentucky	Jefferson	349,850
Kentucky	1701	Kentucky	Jefferson	423,913
Kentucky	810	Kentucky	Estill	5,000
Kentucky	1254	Kentucky	Rowan	15,212
Kentucky	1255	Kentucky	Johnson	5,258
Kentucky	1580	Kentucky	Christian	33,426
Kentucky	1582	Kentucky	Caldwell	6,108
Kentucky	1583	Kentucky	Allen	4,557
Kentucky	1767	Kentucky	Lee	3,138
Kentucky	1770	Kentucky	Christian	33,426
Kentucky	901	Kentucky	Jefferson	55,928
Louisiana	727	Louisiana	Orleans	998,000
Louisiana	1659	Louisiana	Jefferson	100,000
Louisiana	1652	Louisiana	Lafayette	47,000
Louisiana	1651	Louisiana	Lafayette	10,000
Louisiana	1650	Louisiana	Lafayette	27,000
Louisiana	1633	Louisiana	Lafayette	40,000
Louisiana	1626	Louisiana	Jefferson	100,000
Louisiana	1615	Louisiana	Saint Tammany	15,000
Louisiana	1229	Louisiana	Rapides	60,000
Louisiana	1116	Louisiana	East Baton Rouge	99,712
Louisiana	1107	Louisiana	East Baton Rouge	262,326
Louisiana	1497	Louisiana	Jefferson	300,000
Louisiana	1614	Louisiana	Jefferson	65,364
Louisiana	1632	Louisiana	Iberia	20,000
Louisiana	1656	Louisiana	Jefferson	100,000
Louisiana	792	Louisiana	Orleans	389,000
Maine	716	Maine	Cumberland	8,500
Maine	560	Maine	Sagadahoc	8,514
Maine	1206	Maine	York	21,000
Maine	1707	Maine	Cumberland	65,000
Maine	1754	Maine	Cumberland	10,000
Maine	347	Maine	Knox	7,000
Maine	475	Maine	Piscataquis	900
Maine	484	Maine	Franklin	2,750
Maine	507	Maine	Oxford	1,000
Maine	65	Maine	Lincoln	1,759
Maryland	666	Maryland	Allegany	45,000
Maryland	563	Maryland	Wicomico	37,000
Maryland	547	Maryland	Howard	270,000
Maryland	1348	Maryland	Charles	88,500
Maryland	1284	Maryland	Anne Arundel	78,000
Maryland	1262	Maryland	Anne Arundel	11,000
Maryland	1261	Maryland	Anne Arundel	91,000
Maryland	1260	Maryland	Anne Arundel	89,000
Maryland	1268	Maryland	Anne Arundel	150,000
Maryland	1278	Maryland	Anne Arundel	22,000
Maryland	1285	Maryland	Anne Arundel	13,000

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
Maryland	561	Maryland	Washington	90,000
Maryland	1782	Maryland	Washington	90,000
Massachusetts	470	Massachusetts	Hampden	55,000
Massachusetts	1495	Massachusetts	Worcester	42,000
Massachusetts	1330	Massachusetts	Worcester	3,000
Massachusetts	1780	Massachusetts	Worcester, Norfolk, Suffolk, Plymouth, Middlesex	2,400,000
Massachusetts	1180	Massachusetts	Worcester	12,000
Massachusetts	1311	Massachusetts	Bristol	100,000
Massachusetts	1384	Massachusetts	Middlesex	180,000
Michigan	1036	Michigan	Allegan	5,500
Michigan	1040	Michigan	Ottawa	3,511
Michigan	1049	Michigan	Allegan	3,777
Michigan	1050	Michigan	Saint Joseph	10,681
Michigan	1089	Michigan	Chippewa	6,546
Michigan	1090	Michigan	Manistee	8,154
Michigan	1093	Michigan	Mackinac	3,460
Michigan	1104	Michigan	Mackinac	14,000
Michigan	1105	Michigan	Menominee	3,842
Michigan	1106	Michigan	Iosco	5,000
Michigan	1119	Michigan	Roscommon	5,398
Michigan	1125	Michigan	Marquette	25,000
Michigan	1166	Michigan	Huron	4,000
Michigan	1214	Michigan	Kent	40,000
Michigan	1215	Michigan	Kent	41,000
Michigan	1216	Michigan	Midland	40,000
Michigan	1217	Michigan	Kent	145,000
Michigan	1239	Michigan	Isabella	7,615
Michigan	1585	Michigan	Kent	7,000
Michigan	1597	Michigan	Mecosta	21,000
Michigan	1627	Michigan	Gogebic	6,500
Michigan	1729	Michigan	Macomb	99,970
Michigan	1729	Michigan	Macomb	37,570
Michigan	1730	Michigan	Macomb	5,800
Michigan	1731	Michigan	Macomb	3,900
Michigan	761	Michigan	Lenawee	8,680
Michigan	762	Michigan	Washtenaw	330,000
Michigan	799	Michigan	Washtenaw	150,000
Michigan	822	Michigan	Delta	12,600
Michigan	861	Michigan	Saginaw	40,000
Michigan	888	Michigan	Calhoun	70,000
Michigan	889	Michigan	Ottawa	11,057
Michigan	890	Michigan	Ottawa	11,955
Michigan	891	Michigan	Kalamazoo	9,709
Michigan	891	Michigan	Kalamazoo	6,703
Michigan	891	Michigan	Kalamazoo	3,416
Michigan	891	Michigan	Kalamazoo	45,976
Michigan	891	Michigan	Kalamazoo	11,246
Michigan	891	Michigan	Kalamazoo	31,189

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
Michigan	891	Michigan	Kalamazoo	194,170
Michigan	895	Michigan	Bay	34,000
Michigan	897	Michigan	Oakland, Macomb	1,482,000
Michigan	1671	Michigan	Washtenaw	125,000
Michigan	1018	Michigan	Bay	20,000
Michigan	1020	Michigan	Dickinson	3,200
Michigan	1039	Michigan	Saint Joseph	7,623
Michigan	1040	Michigan	Ottawa	3,535
Michigan	1040	Michigan	Ottawa	11,200
Michigan	1048	Michigan	Calhoun	6,964
Michigan	1086	Michigan	Ottawa	20,000
Michigan	1087	Michigan	Genesee	72,240
Michigan	1088	Michigan	Ottawa	25,000
Michigan	1091	Michigan	Schoolcraft	3,412
Michigan	1092	Michigan	Chippewa	15,000
Michigan	1096	Michigan	Muskegon	125,000
Michigan	1102	Michigan	Dickinson	13,500
Michigan	1121	Michigan	Saginaw	6,300
Michigan	1122	Michigan	Otsego	3,670
Michigan	1136	Michigan	Clare	3,042
Michigan	1138	Michigan	Isabella	25,629
Michigan	1155	Michigan	Tuscola	3,000
Michigan	1167	Michigan	Kent	15,000
Michigan	1168	Michigan	Kent	68,000
Michigan	1315	Michigan	Macomb	135,000
Michigan	1434	Michigan	Ingham	22,500
Michigan	1598	Michigan	Wexford	10,450
Michigan	1599	Michigan	Eaton	9,074
Michigan	1600	Michigan	Mason	8,100
Michigan	1729	Michigan	Wayne	5,190
Michigan	1729	Michigan	Oakland	3,080
Michigan	1729	Michigan	Oakland	5,800
Michigan	756	Michigan	Kent	265,000
Michigan	757	Michigan	Jackson	90,000
Michigan	800	Michigan	Genesee	95,000
Michigan	801	Michigan	Grand Traverse	45,000
Michigan	823	Michigan	Houghton	14,000
Michigan	860	Michigan	Gratiot	8,976
Michigan	874	Michigan	Emmet	7,900
Michigan	889	Michigan	Ottawa	6,657
Michigan	889	Michigan	Ottawa	6,524
Michigan	889	Michigan	Ottawa	45,608
Michigan	890	Michigan	Ottawa	15,498
Michigan	890	Michigan	Ottawa	8,278
Michigan	890	Michigan	Ottawa	36,912
Michigan	891	Michigan	Kalamazoo	12,366
Michigan	891	Michigan	Kalamazoo	14,378
Michigan	891	Michigan	Kalamazoo	39,068
Michigan	896	Michigan	Wayne, Macomb	492,000

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
Michigan	898	Michigan	Oakland, Wayne	840,600
Michigan	1682	Michigan	Macomb	140,000
Michigan	1691	Michigan	Jackson	90,000
Michigan	1781	Michigan	Kent	75,000
Minnesota	849	Minnesota	Scott, Carver, Hennepin	300,000
Minnesota	783	Minnesota	Washington, Hennepin, Dakota, Anoka, Ramsey	1,950,000
Minnesota	494	Minnesota	Olmsted	120,000
Minnesota	1108	Minnesota	Dakota, Scott	250,000
Minnesota	993	Minnesota	Scott, Dakota	150,000
Minnesota	1675	Minnesota	Blue Earth, Nicollet	70,000
Mississippi	1393	Mississippi	Lafayette	27,662
Missouri	348	Missouri	Phelps	15,000
Missouri	358	Missouri	Pettis	7,500
Missouri	83	Missouri	Jasper	12,000
Missouri	87	Missouri	Barry	3,300
Missouri	195	Missouri	Cass, Jackson, Johnson	490,000
Montana	1176	Montana	Custer	8,800
Montana	1032	Montana	Gallatin	3,000
Montana	1035	Montana	Gallatin	1,272
Montana	1310	Montana	Gallatin	50,000
Montana	976	Montana	Lewis And Clark	2,273
Montana	977	Montana	Lewis And Clark	37,125
Montana	562	Montana	Missoula	68,015
Nebraska	1493	Nebraska	Holt	3,700
Nebraska	916	Nebraska	Platte	23,000
Nebraska	917	Nebraska	Dodge	28,000
Nebraska	919	Nebraska	Adams	24,692
Nebraska	921	Nebraska	Douglas	200,000
Nebraska	923	Nebraska	Douglas, Sarpy	600,000
Nebraska	924	Nebraska	Scotts Bluff	15,932
Nebraska	926	Nebraska	Wayne	5,560
Nebraska	987	Nebraska	Stanton, Madison	27,000
Nebraska	988	Nebraska	Lincoln	24,000
Nebraska	1312	Nebraska	Keith	4,793
Nebraska	1411	Nebraska	Saunders	4,800
Nebraska	1331	Nebraska	York	8,000
Nebraska	915	Nebraska	Dawes	5,561
Nebraska	918	Nebraska	Hall	52,000
Nebraska	920	Nebraska	Buffalo	33,790
Nebraska	922	Nebraska	Lancaster	100,000
Nebraska	925	Nebraska	Lancaster	200,000
Nevada	777	Nevada	Clark	246,258
Nevada	703	Nevada	Clark	650,000
Nevada	554	Nevada	Washoe	200,000
Nevada	1082	Nevada	Clark	984,000
Nevada	663	Nevada	Clark	265,000
New Hampshire	497	New Hampshire	Merrimack	43,000
New Hampshire	285	New Hampshire	Carroll	25,000

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
New Hampshire	1706	New Hampshire	Merrimack	4,000
New Hampshire	497	New Hampshire	Merrimack	45,000
New Hampshire	402	New Hampshire	Sullivan	6,500
New Hampshire	1755	New Hampshire	Strafford	30,000
New Jersey	1616	New Jersey	Monmouth	40,000
New Jersey	1453	New Jersey	Monmouth	47,000
New Jersey	1291	New Jersey	Passaic	54,000
New Jersey	1763	New Jersey	Monmouth	52,672
New Jersey	788	New Jersey	Essex, Bergen, Hudson, Union, Passaic	1,500,000
New Jersey	1322	New Jersey	Essex, Union	1,300,000
New Jersey	1385	New Jersey	Hudson	145,000
New Jersey	1605	New Jersey	Bergen	564,563
New Jersey	784	New Jersey	Somerset, Union, Middlesex	880,000
New Jersey	788	New Jersey	Passaic, Essex, Hudson, Bergen	1,500,000
New Mexico	854	New Mexico	Los Alamos	5,852
New Mexico	764	New Mexico	Sandoval, Bernalillo	650,000
New Mexico	1386	New Mexico	Los Alamos	13,000
New Mexico	1415	New Mexico	San Juan	55,000
New Mexico	853	New Mexico	Los Alamos	13,179
New York	1000	New York	Erie	17,983
New York	1002	New York	Erie	24,461
New York	1003	New York	Monroe	487,322
New York	1006	New York	Chautauqua	32,501
New York	1010	New York	Monroe	155,096
New York	1011	New York	Cattaraugus	17,760
New York	1012	New York	Erie	83,961
New York	1021	New York	Nassau	20,616
New York	1030	New York	Broome	38,726
New York	1041	New York	Suffolk	278,775
New York	1043	New York	Suffolk	3,349
New York	1078	New York	Wayne	8,931
New York	1097	New York	Dutchess	38,207
New York	1098	New York	Sullivan	4,925
New York	1149	New York	Tioga	3,750
New York	1151	New York	Oneida	27,849
New York	1153	New York	Livingston	15,688
New York	1170	New York	Greene	4,896
New York	1213	New York	Ontario	17,936
New York	1242	New York	Schoharie	5,326
New York	1306	New York	Nassau	524,955
New York	1336	New York	Chemung	18,085
New York	1400	New York	Broome	52,501
New York	1400	New York	Broome	24,672
New York	1401	New York	Rockland	36,527
New York	1402	New York	Clinton	20,893
New York	1403	New York	Rockland	12,676
New York	1483	New York	Westchester	26,651
New York	1485	New York	Westchester	78,683
New York	1487	New York	Westchester	44,876

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
New York	1489	New York	Westchester	523,765
New York	426	New York	Orange	6,729
New York	479	New York	Chenango	6,734
New York	512	New York	Cayuga	31,814
New York	514	New York	Onondaga	16,168
New York	516	New York	Madison	4,908
New York	517	New York	Livingston	4,730
New York	518	New York	Steuben	5,162
New York	520	New York	Onondaga	39,352
New York	521	New York	Onondaga	242,377
New York	525	New York	Onondaga	50,727
New York	527	New York	Madison	9,207
New York	528	New York	Otsego	19,383
New York	52	New York	Steuben	5,941
New York	530	New York	Madison	3,317
New York	567	New York	Fulton	23,379
New York	690	New York	Cortland	26,950
New York	691	New York	Herkimer	13,924
New York	692	New York	Saint Lawrence	10,794
New York	693	New York	Ulster	10,577
New York	717	New York	Montgomery	19,679
New York	718	New York	Schuyler, Putnam	3,656
New York	719	New York	Nassau	24,041
New York	720	New York	Lewis	3,953
New York	738	New York	Putnam	4,480
New York	739	New York	Orange	42,921
New York	740	New York	Oneida	33,358
New York	742	New York	Albany	80,922
New York	836	New York	Nassau	611,349
New York	837	New York	Rockland	53,437
New York	838	New York	Rockland	207,430
New York	974	New York	Yates	5,339
New York	999	New York	Chautauqua	12,616
New York	1009	New York	Niagara	48,196
New York	1013	New York	Erie	71,131
New York	1013	New York	Erie	14,742
New York	1022	New York	Schenectady	78,444
New York	1042	New York	Columbia	6,374
New York	1044	New York	Suffolk	24,147
New York	1045	New York	Essex	6,264
New York	1068	New York	Tompkins	56,967
New York	1099	New York	Wyoming	3,448
New York	1112	New York	Albany	109,426
New York	1150	New York	Suffolk	7,741
New York	1171	New York	Schoharie	5,326
New York	123	New York	Steuben	10,605
New York	1325	New York	Franklin	4,918
New York	1335	New York	Chemung	38,037
New York	1404	New York	Rockland	10,890

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
New York	1405	New York	Rockland	4,115
New York	1460	New York	Orange	28,914
New York	1484	New York	Westchester	94,095
New York	1486	New York	Westchester	40,301
New York	1488	New York	Westchester	31,046
New York	1504	New York	Sullivan	6,639
New York	1538	New York	Sullivan	4,548
New York	1557	New York	Orange	6,563
New York	477	New York	Essex	3,076
New York	483	New York	Delaware	3,581
New York	513	New York	Onondaga	30,613
New York	515	New York	Madison	4,843
New York	519	New York	Orange	6,369
New York	522	New York	Orange	27,434
New York	524	New York	Orange	36,227
New York	529	New York	Orange	8,568
New York	531	New York	Jefferson	4,077
New York	532	New York	Onondaga	25,965
New York	580	New York	Monroe	43,074
New York	689	New York	Tompkins	9,770
New York	694	New York	Franklin	7,175
New York	695	New York	Oswego	14,199
New York	721	New York	Rensselaer	79,699
New York	722	New York	Saratoga	152,482
New York	723	New York	Seneca	6,961
New York	776	New York	Ulster	26,599
New York	869	New York	Warren	23,462
New York	986	New York	Washington	12,260
New York	998	New York	Erie	431,141
New York City	552	New York City	Richmond	198,128
New York City	551	New York City	Kings	758,007
New York City	549	New York City	Kings	1,068,012
New York City	541	New York City	Kings	596,326
New York City	509	New York City	New York	588,772
New York City	505	New York City	Queens	410,812
New York City	500	New York City	New York	588,772
New York City	498	New York City	Bronx	684,569
New York City	485	New York City	Kings	283,428
New York City	487	New York City	Queens	848,328
New York City	503	New York City	Queens	90,474
New York City	545	New York City	Queens	728,123
New York City	550	New York City	Richmond	244,918
New York City	553	New York City	Kings	192,050
North Carolina	569	North Carolina	Lenoir, Greene	20,484
North Carolina	538	North Carolina	Pasquotank	18,000
North Carolina	537	North Carolina	Stanly	20,000
North Carolina	1223	North Carolina	Rowan	22,940
North Carolina	1220	North Carolina	Rowan	31,536
North Carolina	1148	North Carolina	Surry	10,000

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
North Carolina	111	North Carolina	Wilson	49,384
North Carolina	1521	North Carolina	Mecklenburg	82,158
North Carolina	1523	North Carolina	Durham	142,000
North Carolina	167	North Carolina	Pitt	89,616
North Carolina	237	North Carolina	Mcdowell	8,459
North Carolina	332	North Carolina	Wake	550,000
North Carolina	335	North Carolina	Wake	7,776
North Carolina	451	North Carolina	New Hanover	67,743
North Carolina	86	North Carolina	Wake	75,886
North Carolina	1179	North Carolina	Watauga	26,000
North Carolina	421	North Carolina	Duplin, Pender	10,000
North Carolina	492	North Carolina	Henderson	16,000
North Carolina	536	North Carolina	Swain, Jackson	12,000
North Carolina	539	North Carolina	Vance	15,000
North Carolina	575	North Carolina	Mitchell	3,500
North Carolina	144	North Carolina	Cumberland	151,589
North Carolina	1611	North Carolina	Davidson, Guilford	116,390
North Carolina	166	North Carolina	Guilford	135,821
North Carolina	216	North Carolina	Scotland	15,527
North Carolina	271	North Carolina	Buncombe, Henderson	173,000
North Carolina	303	North Carolina	Orange, Durham	78,141
North Carolina	334	North Carolina	Wake	30,655
North Carolina	345	North Carolina	Northampton, Halifax	14,320
North Carolina	369	North Carolina	Orange, Durham	108,105
North Carolina	405	North Carolina	Jackson	13,296
North Carolina	450	North Carolina	New Hanover	58,361
North Carolina	452	North Carolina	Forsyth	178,000
North Carolina	53	North Carolina	Carteret	3,500
North Carolina	84	North Carolina	Wake	84,189
North Carolina	85	North Carolina	Wake	74,331
North Carolina	92	North Carolina	Mecklenburg	68,685
North Carolina	93	North Carolina	Mecklenburg	182,501
North Carolina	94	North Carolina	Mecklenburg	120,000
North Carolina	1662	North Carolina	Forsyth	92,000
North Carolina	569	North Carolina	Lenoir	25,000
North Dakota	1471	North Dakota	Stark	25,679
North Dakota	1463	North Dakota	Grand Forks	67,000
Ohio	101	Ohio	Preble	8,400
Ohio	102	Ohio	Marion	36,000
Ohio	108	Ohio	Erie	55,000
Ohio	121	Ohio	Ashtabula	12,000
Ohio	124	Ohio	Coshocton	12,000
Ohio	129	Ohio	Defiance	23,027
Ohio	131	Ohio	Tuscarawas	13,572
Ohio	134	Ohio	Montgomery	78,509
Ohio	141	Ohio	Belmont	13,169
Ohio	147	Ohio	Hancock	42,000
Ohio	1608	Ohio	Hocking	8,500
Ohio	168	Ohio	Darke	13,000

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
Ohio	170	Ohio	Butler	65,000
Ohio	187	Ohio	Franklin	645,940
Ohio	204	Ohio	Portage	29,000
Ohio	219	Ohio	Allen	61,000
Ohio	221	Ohio	Hamilton	200,666
Ohio	222	Ohio	Medina	35,000
Ohio	225	Ohio	Lorain	72,000
Ohio	228	Ohio	Lucas	195,577
Ohio	241	Ohio	Union	24,677
Ohio	255	Ohio	Hamilton	566,136
Ohio	276	Ohio	Cuyahoga	313,158
Ohio	277	Ohio	Cuyahoga	524,154
Ohio	278	Ohio	Cuyahoga	103,379
Ohio	282	Ohio	Licking	45,000
Ohio	311	Ohio	Wood	21,000
Ohio	322	Ohio	Ottawa	7,000
Ohio	374	Ohio	Franklin	654,817
Ohio	382	Ohio	Clark	88,710
Ohio	388	Ohio	Jefferson	17,864
Ohio	422	Ohio	Trumbull	68,874
Ohio	428	Ohio	Fayette	14,000
Ohio	43	Ohio	Fulton	6,000
Ohio	455	Ohio	Mahoning	65,469
Ohio	456	Ohio	Muskingum	47,500
Ohio	46	Ohio	Ashtabula	31,430
Ohio	48	Ohio	Athens	24,536
Ohio	67	Ohio	Wood	32,000
Ohio	73	Ohio	Williams	8,655
Ohio	74	Ohio	Crawford	12,362
Ohio	975	Ohio	Greene	4,100
Ohio	98	Ohio	Pickaway	13,965
Ohio	112	Ohio	Wayne	27,000
Ohio	127	Ohio	Montgomery	226,729
Ohio	140	Ohio	Lorain	54,500
Ohio	157	Ohio	Sandusky	25,000
Ohio	186	Ohio	Lawrence	10,445
Ohio	205	Ohio	Hardin	8,500
Ohio	214	Ohio	Fairfield	24,303
Ohio	233	Ohio	Richland	52,000
Ohio	235	Ohio	Washington	15,284
Ohio	263	Ohio	Knox	18,000
Ohio	273	Ohio	Hamilton	125,247
Ohio	274	Ohio	Henry	12,246
Ohio	291	Ohio	Huron	17,000
Ohio	301	Ohio	Lucas	44,680
Ohio	304	Ohio	Butler	22,000
Ohio	309	Ohio	Licking	3,300
Ohio	315	Ohio	Miami	20,581
Ohio	326	Ohio	Scioto	20,366

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
Ohio	36	Ohio	Summit	377,378
Ohio	395	Ohio	Hamilton	83,058
Ohio	398	Ohio	Lucas	372,208
Ohio	403	Ohio	Montgomery	65,000
Ohio	411	Ohio	Wyandot	6,700
Ohio	442	Ohio	Montgomery	113,629
Ohio	54	Ohio	Greene	46,160
Ohio	79	Ohio	Stark	85,000
Ohio	859	Ohio	Mercer	4,800
Ohio	868	Ohio	Wayne	6,500
Ohio	1779	Ohio	Mahoning	174,000
Oklahoma	831	Oklahoma	Beckham	11,500
Oklahoma	767	Oklahoma	Garfield	51,000
Oklahoma	1264	Oklahoma	Carter	25,000
Oklahoma	769	Oklahoma	Comanche	93,000
Oregon	469	Oregon	Jackson	21,105
Oregon	929	Oregon	Linn	57,785
Oregon	930	Oregon	Clatsop	11,326
Oregon	931	Oregon	Baker	9,860
Oregon	932	Oregon	Deschutes	92,850
Oregon	933	Oregon	Clackamas	14,206
Oregon	937	Oregon	Lincoln	8,865
Oregon	938	Oregon	Yamhill	24,120
Oregon	939	Oregon	Lincoln	10,400
Oregon	941	Oregon	Marion	26,273
Oregon	944	Oregon	Washington	9,900
Oregon	950	Oregon	Josephine	37,725
Oregon	952	Oregon	Hood River	7,800
Oregon	956	Oregon	Jackson	133,708
Oregon	957	Oregon	Coos	9,975
Oregon	958	Oregon	Malheur	10,966
Oregon	966	Oregon	Columbia	13,739
Oregon	970	Oregon	Jefferson	3,200
Oregon	1164	Oregon	Clackamas, Washington	25,780
Oregon	1200	Oregon	Multnomah, Washington	654,741
Oregon	1201	Oregon	Washington, Multnomah, Clackamas	45,600
Oregon	934	Oregon	Benton	58,856
Oregon	935	Oregon	Polk	16,555
Oregon	936	Oregon	Lane	8,925
Oregon	940	Oregon	Deschutes	32,255
Oregon	942	Oregon	Washington	220,000
Oregon	943	Oregon	Washington	40,000
Oregon	945	Oregon	Multnomah	662,235
Oregon	947	Oregon	Lane	10,200
Oregon	949	Oregon	Washington	40,000
Oregon	951	Oregon	Umatilla	18,775
Oregon	953	Oregon	Klamath	20,840
Oregon	955	Oregon	Yamhill	34,615
Oregon	959	Oregon	Umatilla	17,500

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
Oregon	961	Oregon	Marion	229,000
Oregon	965	Oregon	Marion	10,520
Oregon	967	Oregon	Marion	10,840
Oregon	969	Oregon	Umatilla	7,605
Oregon	971	Oregon	Lane	235,155
Pennsylvania	1617	Pennsylvania	Lackawanna	88,000
Pennsylvania	1473	Pennsylvania	Westmoreland	32,000
Pennsylvania	125	Pennsylvania	Butler, Allegheny	41,000
Pennsylvania	1083	Pennsylvania	Montgomery	10,000
Pennsylvania	1081	Pennsylvania	Montgomery	13,000
Pennsylvania	1357	Pennsylvania	Montgomery	30,000
Pennsylvania	1358	Pennsylvania	Cumberland	25,000
Pennsylvania	1359	Pennsylvania	Erie	200,000
Pennsylvania	1367	Pennsylvania	Franklin	67,000
Pennsylvania	1368	Pennsylvania	Armstrong, Westmoreland	34,200
Pennsylvania	1369	Pennsylvania	Westmoreland	25,000
Pennsylvania	1370	Pennsylvania	Lehigh	200,000
Pennsylvania	1375	Pennsylvania	York	85,000
Pennsylvania	1375	Pennsylvania	York	85,000
Pennsylvania	1376	Pennsylvania	Westmoreland	4,600
Pennsylvania	1529	Pennsylvania	Indiana	28,809
Pennsylvania	1530	Pennsylvania	Centre	9,600
Pennsylvania	1775	Pennsylvania	Lackawanna	15,700
Pennsylvania	1776	Pennsylvania	Mercer	19,000
Pennsylvania	1787	Pennsylvania	Chester	10,500
Pennsylvania	1161	Pennsylvania	Lehigh	6,598
Pennsylvania	1388	Pennsylvania	Allegheny	22,000
Pennsylvania	1454	Pennsylvania	Bucks	55,000
Pennsylvania	1366	Pennsylvania	Dauphin	124,000
Pennsylvania	1368	Pennsylvania	Westmoreland, Armstrong	34,200
Pennsylvania	1390	Pennsylvania	Lancaster, Monroe	25,000
Pennsylvania	1455	Pennsylvania	Delaware	6,800
Pennsylvania	1553	Pennsylvania	Mckean	14,194
Pennsylvania	1554	Pennsylvania	Mercer	16,000
Pennsylvania	1775	Pennsylvania	Lackawanna	15,700
Pennsylvania	1777	Pennsylvania	Monroe	4,000
Pennsylvania	1667	Pennsylvania	Dauphin	125,000
Pennsylvania	1737	Pennsylvania	Delaware	220,000
Rhode Island	677	Rhode Island	Bristol	21,100
Rhode Island	565	Rhode Island	Kent	6,000
Rhode Island	548	Rhode Island	Providence	120,000
Rhode Island	1224	Rhode Island	Kent	33,000
Rhode Island	1134	Rhode Island	Kent	60,224
Rhode Island	464	Rhode Island	Providence	240,000
Rhode Island	76	Rhode Island	Providence	10,000
Rhode Island	835	Rhode Island	Bristol	11,000
South Carolina	599	South Carolina	Greenwood	12,000
South Carolina	1541	South Carolina	Horry	30,000
South Carolina	1265	South Carolina	Georgetown	12,000

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
South Carolina	906	South Carolina	Lexington	40,000
South Carolina	1159	South Carolina	Florence, Darlington	45,000
South Carolina	1549	South Carolina	Greenville	140,280
South Carolina	600	South Carolina	Greenwood	48,000
South Carolina	877	South Carolina	Kershaw	8,825
South Carolina	878	South Carolina	Charleston	64,170
South Carolina	883	South Carolina	York	88,000
South Carolina	884	South Carolina	Greenville	400,000
South Carolina	885	South Carolina	Georgetown	30,000
South Carolina	908	South Carolina	Richland	60,000
South Carolina	909	South Carolina	Horry	195,000
South Carolina	1700	South Carolina	Greenville	142,376
South Dakota	672	South Dakota	Pennington	80,000
South Dakota	1266	South Dakota	Minnehaha, Lincoln	215,000
South Dakota	1165	South Dakota	Yankton	15,500
South Dakota	493	South Dakota	Beadle	13,289
Tennessee	1607	Tennessee	Chester	3,710
Tennessee	1445	Tennessee	Sumner	45,000
Tennessee	1323	Tennessee	Shelby	300,000
Tennessee	1282	Tennessee	Williamson, Rutherford, Davidson	600,000
Tennessee	1283	Tennessee	Davidson	600,000
Tennessee	1329	Tennessee	Shelby	300,000
Tennessee	1508	Tennessee	Hawkins, Sullivan	60,500
Tennessee	1539	Tennessee	Sullivan	50,000
Tennessee	496	Tennessee	Bradley	52,000
Texas	867	Texas	Webb	140,000
Texas	865	Texas	Webb	120,000
Texas	709	Texas	El Paso	170,000
Texas	681	Texas	El Paso	142,000
Texas	673	Texas	El Paso	436,000
Texas	667	Texas	Galveston	26,400
Texas	566	Texas	El Paso	143,000
Texas	566	Texas	El Paso	143,000
Texas	1752	Texas	Tarrant	1,200,000
Texas	1231	Texas	Dallas	500,000
Texas	1141	Texas	Travis	510,000
Texas	1131	Texas	Kaufman	138,700
Texas	113	Houston	Harris	3,825
Texas	165	Houston	Harris, Fort Bend	28,742
Texas	176	Houston	Harris	9,375
Texas	272	Houston	Harris	4,010
Texas	287	Houston	Harris	12,892
Texas	288	Houston	Harris	33,102
Texas	350	Houston	Harris	20,608
Texas	373	Houston	Harris	32,485
Texas	375	Houston	Harris	293,227
Texas	409	Houston	Harris	97,918
Texas	434	Houston	Harris, Fort Bend	20,920
Texas	446	Houston	Harris	20,758

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
Texas	1673	Texas	Dallas	200,000
Texas	1683	Texas	Dallas	186,000
Texas	1761	Texas	Potter, Randall	60,000
Texas	1762	Texas	Potter, Randall	140,000
Texas	1765	Texas	Wichita	90,000
Texas	865	Texas	Webb	120,000
Texas	867	Texas	Webb	140,000
Texas	1140	Texas	Travis	500,000
Texas	1210	Texas	Dallas	900,000
Texas	1494	Texas	Galveston	20,000
Texas	593	Texas	Galveston	89,600
Texas	805	Texas	Dallas	900,000
Texas	811	Texas	Bexar	415,000
Texas	847	Texas	Bexar	230,000
Texas	848	Texas	Bexar	630,000
Texas	863	Texas	Webb	30,000
Texas	135	Houston	Harris	16,030
Texas	149	Houston	Harris	4,170
Texas	160	Houston	Harris	40,689
Texas	183	Houston	Harris	16,804
Texas	201	Houston	Harris	124,000
Texas	207	Houston	Harris, Montgomery	52,055
Texas	250	Houston	Harris	20,161
Texas	289	Houston	Harris	19,867
Texas	290	Houston	Harris	95,600
Texas	307	Houston	Harris	5,497
Texas	35	Houston	Harris	551,150
Texas	366	Houston	Harris	109,414
Texas	367	Houston	Harris	109,414
Texas	406	Houston	Harris	59,188
Texas	40	Houston	Harris	117,968
Texas	435	Houston	Harris	33,645
Texas	439	Houston	Harris	85,129
Texas	443	Houston	Harris	3,623
Texas	449	Houston	Harris	8,610
Texas	56	Houston	Harris	70,900
Texas	97	Houston	Harris	37,359
Utah	1077	Utah	Wasatch	19,936
Utah	17	Utah	Utah	112,901
Utah	1	Utah	Washington	24,970
Utah	23	Utah	Summit	7,460
Utah	25	Utah	Davis	21,872
Utah	27	Utah	Washington	92,047
Utah	29	Utah	Utah	12,510
Utah	30	Utah	Salt Lake	254,971
Utah	31	Utah	Utah	35,840
Utah	32	Utah	Tooele	36,244
Utah	34	Utah	Box Elder	12,451
Utah	3	Utah	Box Elder	21,443

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
Utah	6	Utah	Davis	64,533
Utah	7	Utah	Salt Lake	515,494
Utah	1736	Utah	Salt Lake	600,000
Utah	1270	Utah	Tooele	13,000
Utah	10	Utah	Cache	9,095
Utah	11	Utah	Salt Lake	89,507
Utah	11	Utah	Salt Lake, Utah	94,484
Utah	12	Utah	Cache	94,005
Utah	15	Utah	Grand, San Juan	9,896
Utah	16	Utah	Weber, Davis	228,700
Utah	18	Utah	Utah	102,624
Utah	19	Utah	Carbon	17,312
Utah	20	Utah	Utah	21,231
Utah	21	Utah	Duchesne	6,790
Utah	22	Utah	Summit	24,374
Utah	24	Utah	Davis	84,981
Utah	26	Utah	Utah	53,313
Utah	28	Utah	Salt Lake	209,645
Utah	2	Utah	Uintah	29,513
Utah	33	Utah	Utah	253,112
Utah	5	Utah	Iron	32,451
Utah	9	Utah	Davis, Weber	208,850
Utah	1708	Utah	Utah	115,000
Vermont	1157	Vermont	Bennington	15,000
Vermont	1751	Vermont	Chittenden	22,000
Vermont	1753	Vermont	Windsor	4,500
Vermont	1080	Vermont	Chittenden	31,000
Vermont	1452	Vermont	Caledonia	3,500
Vermont	1520	Vermont	Washington	15,000
Vermont	701	Vermont	Chittenden	8,500
Vermont	770	Vermont	Franklin	7,500
Virginia	892	Virginia	Chesterfield, Dinwiddie, Prince George, Petersburg City, Colonial Heights City	65,000
Virginia	1272	Virginia	Franklin	5,000
Virginia	1218	Virginia	Petersburg City	30,000
Virginia	1211	Virginia	Mathews, Gloucester, York	99,112
Virginia	1198	Virginia	Wise	9,340
Virginia	1197	Virginia	York	118,497
Virginia	1195	Virginia	Norfolk City	78,322
Virginia	1160	Virginia	Hanover	20,000
Virginia	100	Virginia	Pittsylvania	47,000
Virginia	1528	Virginia	Stafford, Prince William, Fairfax	165,901
Virginia	1528	Virginia	Fairfax, Prince William, Stafford	165,901
Virginia	169	Virginia	Fairfax, Prince William, Stafford	165,901
Virginia	180	Virginia	Chesapeake City, Virginia Beach City, Norfolk City, Portsmouth City	192,347
Virginia	220	Virginia	Stafford	44,000
Virginia	229	Virginia	Amherst, Bedford, Campbell	220,000
Virginia	286	Virginia	Harrisonburg City, Rockingham	81,000

Jurisdiction ⇅	Sewershed ID ⇅	Reporting Jurisdiction ⇅	County ⇅	Population Served ⇅
Virginia	342	Virginia	Goochland, Henrico, Richmond City	225,000
Virginia	346	Virginia	Botetourt, Roanoke, Roanoke City, Salem	300,000
Virginia	42	Virginia	Prince William, Stafford	92,000
Virginia	42	Virginia	Prince William, Stafford	92,000
Virginia	454	Virginia	Washington	7,300
Virginia	1786	Virginia	Carroll	3,000
Virginia	1113	Virginia	Arlington	207,627
Virginia	1202	Virginia	Frederick	51,470
Virginia	1259	Virginia	Clifton Forge City	5,000
Virginia	1275	Virginia	Hampton City, Newport News City	141,543
Virginia	1338	Virginia	Mecklenburg	5,300
Virginia	540	Virginia	Henry	16,000
Virginia	118	Virginia	Wise	14,000
Virginia	1576	Virginia	Newport News City, Hampton City	118,497
Virginia	1576	Virginia	Hampton City, Newport News City	118,497
Virginia	177	Virginia	Chesapeake City, Norfolk City, Virginia Beach City	530,848
Virginia	178	Virginia	Isle Of Wight, Suffolk City, Chesapeake City, Portsmouth City	197,608
Virginia	181	Virginia	Williamsburg City, Newport News City, York, New Kent, James City	69,059
Virginia	220	Virginia	Stafford	44,000
Virginia	229	Virginia	Campbell, Amherst, Bedford	220,000
Virginia	262	Virginia	Albemarle	118,266
Virginia	308	Virginia	Frederick	16,563
Virginia	310	Virginia	Radford, Pulaski, Montgomery	70,000
Virginia	38	Virginia	Alexandria City, Fairfax	300,000
Virginia	400	Virginia	Montgomery	23,000
Virginia	410	Virginia	Prince William, Fauquier, Manassas Park City, Fairfax, Fairfax City, Loudoun, Manassas City	350,000
Virginia	51	Virginia	Loudoun	10,178
Virginia	61	Virginia	Montgomery	52,500
Washington	1139	Washington	King, Pierce	896,000
Washington	1142	Washington	King, Snohomish	789,000
Washington	499	Washington	Clark	162,100
Washington	555	Washington	Snohomish	20,000
Washington	661	Washington	Snohomish	37,650
Washington	676	Washington	Snohomish, King	288,000
Washington	679	Washington	Snohomish	7,125
Washington	768	Washington	Snohomish	173,800
Washington	804	Washington	Clark	16,950
Washington	1398	Washington	Grant	8,475
Washington	1399	Washington	Jefferson	10,000
Washington	1512	Washington	Whitman	35,812
Washington	1757	Washington	Thurston	119,790
Washington	753	Washington	Franklin	73,000
Washington	759	Washington	Spokane	225,000
Washington	1084	Washington	Clark	120,000
Washington	510	Washington	Clark	81,140

Jurisdiction ↕	Sewershed ID ↕	Reporting Jurisdiction ↕	County ↕	Population Served ↕
Washington	1076	Washington	Chelan	35,550
Washington	1143	Washington	Pierce	43,000
Washington	1397	Washington	Pierce	295,855
Washington	1635	Washington	Yakima	117,072
Washington	754	Washington	Benton	59,609
Washington	755	Washington	Benton	15,000
Washington	758	Washington	Benton	83,000
Washington	760	Washington	Spokane	120,000
West Virginia	789	West Virginia	Raleigh	88,900
West Virginia	1628	West Virginia	Kanawha	9,000
West Virginia	1332	West Virginia	Putnam	28,759
West Virginia	601	West Virginia	Wayne, Cabell	56,000
Wisconsin	1277	Wisconsin	Dane	360,000
Wisconsin	1349	Wisconsin	Rock	36,000
Wyoming	1353	Wyoming	Sheridan	20,000
Wyoming	188	Wyoming	Teton	13,036
Wyoming	1317	Wyoming	Sweetwater	12,000

Terms to Know

Virus levels: SARS-CoV-2 viral RNA concentrations in wastewater. RNA is the virus's genetic material.

Normalization: A statistical method to account for differences in variables such as wastewater flow rate and number of sewer system. In other words, normalization reduces excess variation (or “noise”) and helps account for things like changes in flow rates or weather events that can impact wastewater. Normalized data can be compared over time and between different jurisdictions. The data presented on this page are based on SARS-CoV-2 viral RNA concentrations in wastewater that have been normalized. See the [Analytics page](#) for more information.

Sewershed: The geographic area contributing wastewater to a sampling location. Sewersheds may cross county or state boundaries. Sewersheds are referred to as “sites” on the map.

About the Data

†Data will update Monday through Friday as soon as they are reviewed and verified, oftentimes before 8 pm ET. Updates will occur the following day when reporting coincides with a federal holiday. Note: Daily updates (Mon-Fri) might be delayed due to circumstances.

Percent of sites in each percent change category over time

- At any point in time, this chart shows what percent of sites reported decreased levels of virus in the previous 15 days, what percent reported increased levels, and what percent stayed the same.
- Viewed over time, the chart shows how this distribution changed.
- For each date, the number of sites in each percent change category is counted and divided by the total number of sites in the current data. This information is provided on a stacked area chart to show the change in the percent of sites in each category since January 1, 2021.
- To simplify the chart, the “-9% to 0%” and “1% to 9%” categories were combined into “-9% to 9%,” and the “100% to 100% or more” categories were combined into “100% or more.” Because the number of sampling sites has changed since January 1, 2021, the total number of sites with current data is shown as a black line on the chart.
- Not all sites have data since January 1, 2021, and not all sites have data for all dates shown on the chart.
- The percent of sites in each percent change category for each date may not add up to 100% due to rounding.

Current virus levels in wastewater by site

- This metric shows whether SARS-CoV-2 levels at a site are currently higher or lower than past levels at the same site. The ordered levels are then grouped into five categories (0-19%, 20-39%, 40-59%, 60-79%, and 80-100%) based on their levels are compared to previous levels. The levels in the 0-19% group represent the lowest levels seen at that site, and those in the 80-100% group represent the highest.
- Using December 1, 2021 as a starting date for all sites makes data more comparable between sites. Sites that began reporting wastewater data after December 1, 2021 are not comparable to sites that have been reporting data since December 1, 2021 because the data history for these new sites is not long enough to reflect the same surges as the other sites.
- The “New site” category means a site just started collecting wastewater samples and has reported fewer than 10 samples. These sites are not enough samples to meaningfully compare levels at the site over time.

Percent change in the last 15 days

- This metric shows how much normalized SARS-CoV-2 viral levels in wastewater at each site increased or decreased over the 15-day time period. This metric does not show overall levels of SARS-CoV-2 in wastewater. Percent change compares current data to show changing trends. A large percent increase does not necessarily mean SARS-CoV-2 viral level is high. For instance, a change from 1 unit to 2 units would be a percent change of 100%. A change from 500,000 units to 1,000,000 units is also a percent change of 100%.
- Percent change is calculated as the modeled change over 15 days, based on linear regression of log-transformed viral levels. A site must report at least 2 samples over the 15-day period to calculate percent change. Sites with "No recent data" (no samples reported for the current 15-day period) are listed as "No recent data" and colored gray on the map.

Percent of wastewater samples with detectable virus in the last 15 days

- This metric shows the percent of wastewater samples at each site that were positive for SARS-CoV-2 RNA over the 15-day time period. This metric does not show overall levels of SARS-CoV-2 in wastewater.
- This metric is calculated by dividing the number of samples in which SARS-CoV-2 was detected at a site by the total number of samples collected for the site during the 15-day period and multiplying by 100.
- Sites with at least one sample and no SARS-CoV-2 viral detections over the past 15 days are listed as "Non-detect" on the map as hollow circles with a black outline.
- Sites with no samples for the current 15-day period are listed as "No recent data" and colored gray on the map.

SARS-CoV-2 concentrations in wastewater over time

- When a site is selected, a smoothed, spline fit SARS-CoV-2 concentration line is shown for the last 4 months, as displayed on the map. The smoothed SARS-CoV-2 concentration line shows how SARS-CoV-2 concentrations in wastewater at a sampling site have changed over the last 4 months.
- At least 4 samples are required to produce the smoothed SARS-CoV-2 concentration line. If a major change in laboratory method was reported, only data since the new laboratory method was reported are shown. Sites labeled as 'New sites' in the legend for the wastewater metric should be viewed with caution since they have only a few samples to generate their trends line.

Category change in the last 7 days

- This metric shows the change in the number of sites (represented as a percent) that are in a specific metric category over the 15-day percent change category of 1000% or more) compared to the previous 7 days. In other words, it shows how many sites have been added or removed from the metric category in the past week. It is calculated by subtracting the current number of sites in the metric category from the number of sites in the same category 7 days earlier and dividing by the number of sites 7 days earlier.
- *If a metric category had no sites in it 7 days earlier, the category change in the last 7 days is listed as "N/A*" since division by 0.

County-level data

- Data are presented by sewershed (the geographic area contributing wastewater to a sampling location). Sampling locations are shown as points on the map, representing wastewater treatment plants or upstream in the sewage network. Sewersheds may cross county or state boundaries. Multiple sewersheds may serve a single county, and a single sewershed may serve multiple counties. Sewershed boundaries are shown as "sites" on the map.

Sewershed locations

- Data are plotted in the ZIP code of the sampling location, so points on the map do not correspond exactly to sewershed boundaries.
- All counties represented by a sampling location are highlighted when the sampling location point is selected.
- The District of Columbia (DC) and New York City (NYC) are shown separately on the map to denote sampling locations in DC and NYC. In the "State or Territory" dropdown menu, select "District of Columbia" or "New York City" to zoom to point to that jurisdiction. Please note some DC sampling locations may receive wastewater from parts of counties in Virginia, and some NYC sampling locations may receive wastewater from parts of counties in surrounding states.

Data subject to change

- Wastewater disease surveillance data presented are the best available data and are subject to change. These data are for the most recent 15-day period due to processing and reporting delays. All data are provisional.

May 2022 Coverage Limitations

- Beginning April 15, 2022, approximately 150 wastewater sites in 29 states began transitioning to a new wastewater sampling protocol. During this transition, these sites will not have recent data displayed and will be colored gray on the map. It will take time for enough data to be collected to calculate the metrics displayed on this page. Results for these sites are expected to be available between mid-May and June 2022.

Data not shown

- Data from sewersheds that serve fewer than 3,000 people.
- Data from sewersheds where population estimates are missing.
- Data from facility or institution-specific sampling locations.
- Wastewater treatment plant names and the names of upstream sampling sites are made anonymous using a color-coded number.

- Approximately 20% of US households are on septic systems; the exact percent varies by location. These systems wastewater treatment plants where sampling often occurs. Therefore, households on septic systems are not rep
- Data from sewersheds currently being monitored but not submitted by health departments to CDC. Certain com wastewater samples but do not submit their data to CDC.
- Data from sewersheds may not be presented if there are data quality issues.

Data source

- Data displayed are derived from two sources:
- Data are submitted to CDC by state, tribal, local, and territorial (STLT) health departments participating in the National Surveillance System. Participation is voluntary, so not all jurisdictions are reporting to CDC.
- Data are reported through a CDC-managed contract for commercial testing, which is intended to supplement the of the STLT wastewater surveillance programs.

Laboratory methods

- SARS-CoV-2 concentrations in wastewater are measured using reverse transcription quantitative polymerase chain reaction (RT-qPCR) or reverse transcription digital polymerase chain reaction (RT-dPCR). Laboratory processing and quantification m between sampling sites or, less commonly, within a sampling site over time. Since SARS-CoV-2 concentration esti across these lab methods, concentration values should not be compared across sampling locations. Instead, per CoV-2 concentrations and current levels compared to past levels at the same site are provided. These metrics are across lab methods. When testing a sample, SARS-CoV-2 is considered detected when any PCR replicates for the Positive is defined for RT-qPCR as a Ct value less than 40 and for RT-ddPCR as 3 or more positive droplets/partic the Wastewater Surveillance Testing Methods page.

Data download

- These data can be downloaded from data.cdc.gov: [NWSS Public SARS-CoV-2 Wastewater Metric Data](#) and [NWSS f Concentration in Wastewater Data](#)
- The data dictionary for these data (Public Analytics Data Dictionary) is also available.
- To request detailed wastewater data, including a full-time history of raw concentrations, email nwss@cdc.gov with 'NWSS public data request.' You will be required to sign a data use agreement.

Wondering what all the data mean?

CDC's [COVID-Data Tracker Weekly Review](#) helps you stay up to date on interpretation of key data and trends.

How does wastewater surveillance work?

Wastewater data can show changes in disease trends 4 to 6 days before those changes in trends are seen in clinic single wastewater sample captures the infection status of thousands to millions of individuals. Learn more: [National Surveillance System \(NWSS\)](#).

If it looks like virus levels in wastewater are rising in my community, what should I do?

Check your county's [COVID-19 Community Level](#) and follow the recommended prevention steps. Public health officials watch for sustained increasing levels of the virus in wastewater and use these data to inform decisions. State and local health officials track a variety of data and put this information together to understand the situation and decide how to best respond.

How do I build NWSS in my community?

Wastewater-based disease surveillance is an exciting new tool to help communities monitor their health. Find [info to consider](#) when implementing a wastewater-based disease surveillance system.

Is there wastewater sampling in my community?

New sampling sites are being added over time as health departments begin sampling and reporting wastewater s. Some communities not represented on this dashboard may be conducting wastewater surveillance. If you would like to know if wastewater surveillance is happening in your community, contact your [health department](#) or local government. At

does not release the names of the wastewater treatment plants or zip codes where sampling sites are located. Ho information on the counties served by the wastewater sampling sites is provided.





Cite COVID Data Tracker

Centers for Disease Control and Prevention. COVID Data Tracker. Atlanta, GA: US Department of Health and Human Services, CDC; 2022, December 29. <https://covid.cdc.gov/covid-data-tracker>

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