

State Name	Principal Aquifer	Aquifer Code	Area in square miles	¹ Minimum Recommended number of Water-Level Trend sites	¹ Maximum Recommended number of Water-Level Trend sites	² Minimum Recommended number of Water-quality sites	² Maximum Recommended number of Water-quality sites	Comment
Alabama	Coastal lowlands aquifer system	S100CSLLWD	4961	5	20	5	12	Includes one major aquifer
Alabama	Floridan aquifer system	S400FLORDN	7823	16	62	16	39	Two major aquifers within principal aquifer
Alabama	Mississippi embayment aquifer system	S100MSEMBM	8953	54	216	54	135	Six major aquifers within principal aquifer
Alabama	Mississippian aquifers	N500MSSPPI	8596	9	34	9	22	Includes one major aquifer
Alabama	Other aquifers	N9999OTHER	3966	--	--	--	--	No well density specified
Alabama	Pennsylvanian aquifers	N300PNSLVN	6680	7	27	7	17	Includes one major aquifer
Alabama	Piedmont and Blue Ridge crystalline-rock aquifers	N400PDMBRX	4973	5	20	5	12	Includes one major aquifer
Alabama	Southeastern Coastal Plain aquifer system	S100SECSLP	57852	232	926	232	579	Four major aquifers within principal aquifer
Alabama	Surficial aquifer system	S100SURFCL	834	1	3	1	2	Includes one major aquifer
Alabama	Valley and Ridge aquifers	N500VLYRDG	5331	5	21	5	13	Includes one major aquifer
Alaska	Alaska unconsolidated-deposit aquifers	N100AKUNCD	68849	69	275	69	172	Includes one major aquifer
Arizona	Basin and Range basin-fill aquifers	N100BSNRGB	37539	38	150	38	94	Includes one major aquifer
Arizona	Basin and Range carbonate-rock aquifers	N400BSNRGC	550	0	2	0	1	Includes one major aquifer
Arizona	Colorado Plateaus aquifers	N300COPLTS	27752	111	445	111	278	Four major aquifers within principal aquifer
Arizona	Other aquifers	N9999OTHER	47844	--	--	--	--	No well density specified
Arkansas	Alluvial aquifers	N100ALLUVL	--	--	--	--	--	No well density specified
Arkansas	Edwards-Trinity aquifer system	S500EDRTRN	1916	6	23	6	14	Three major aquifers within principal aquifer
Arkansas	Mississippi embayment aquifer system	S100MSEMBM	26516	159	636	159	398	Six major aquifers within principal aquifer
Arkansas	Mississippi River Valley alluvial aquifer	N100MSRVVL	15777	16	63	16	40	Includes one major aquifer
Arkansas	Other aquifers	N9999OTHER	19874	--	--	--	--	No well density specified
Arkansas	Ozark Plateaus aquifer system	S400OZRKPL	18729	56	224	56	140	Three major aquifers within principal aquifer
California	Basin and Range basin-fill aquifers	N100BSNRGB	26328	26	105	26	66	Includes one major aquifer
California	Basin and Range carbonate-rock aquifers	N400BSNRGC	856	1	4	1	2	Includes one major aquifer
California	California Coastal Basin aquifers	N100CACSTL	10056	10	40	10	25	Includes one major aquifer
California	Central Valley aquifer system	S100CNRLVL	20251	20	81	20	51	Includes one major aquifer
California	Other aquifers	N9999OTHER	89531	--	--	--	--	No well density specified
California	Pacific Northwest basin-fill aquifers	N100PCFNWB	3895	4	16	4	10	Includes one major aquifer
California	Pacific Northwest volcanic-rock aquifers	N100PCFNWV	6561	7	26	7	16	Includes one major aquifer
Colorado	Alluvial aquifers	N100ALLUVL	--	--	--	--	--	No well density specified
Colorado	Colorado Plateaus aquifers	N300COPLTS	27583	110	442	110	276	Four major aquifers within principal aquifer
Colorado	Denver Basin aquifer system	S300DNVRBS	6789	27	109	27	68	Four major aquifers within principal aquifer
Colorado	High Plains aquifer	N100HGHPLN	14942	45	179	45	112	Three major aquifers within principal aquifer
Colorado	Other aquifers	N9999OTHER	51619	--	--	--	--	No well density specified
Colorado	Rio Grande aquifer system	S100RIOGRD	3169	3	13	3	8	Includes one major aquifer
Connecticut	Early Mesozoic basin aquifers	N300ERLMZC	943	1	4	1	2	Includes one major aquifer
Connecticut	New York and New England carbonate-rock aquifers	N400NYNECB	210	0	1	0	1	Includes one major aquifer, small area in state, set maximum to 1
Connecticut	New York and New England crystalline-rock aquifers	N600NECRSN	3,734	4	15	4	9	Includes one major aquifer
Connecticut	Other aquifers	N9999OTHER	3,766	--	--	--	--	No well density specified
Connecticut	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	1,079	1	4	1	3	Includes one major aquifer
Delaware	Alluvial aquifers	N100ALLUVL	--	--	--	--	--	No well density specified
Delaware	Northern Atlantic Coastal Plain aquifer system	S100NATLCP	1,889	10	38	10	24	Five major aquifers within principal aquifer
Delaware	Piedmont and Blue Ridge crystalline-rock aquifers	N400PDMBRX	122	0	1	0	1	Small area in state, set maximum to 1
District of Columbia	Northern Atlantic Coastal Plain aquifer system	S100NATLCP	47	0	1	0	1	Small area in state, set maximum to 1
District of Columbia	Piedmont and Blue Ridge crystalline-rock aquifers	N400PDMBRX	18	0	1	0	1	Small area in state, set maximum to 1

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Florida	Biscayne aquifer	N400BISCYN	3,484	5	14	5	10	Small principal aquifer, set minimum to 5
Florida	Coastal lowlands aquifer system	S100CSLLWD	3,028	3	12	3	8	Includes one major aquifer
Florida	Floridan aquifer system	S400FLORDN	55,387	111	443	111	277	Two major aquifers within principal aquifer
Florida	Intermediate aquifer system	S500INTRMD	13,000	26	104	26	65	Two major aquifers within principal aquifer
Florida	Other aquifers	N9999OTHER	8,560	--	--	--	--	No well density specified
Florida	Surficial aquifer system	S100SURFCL	29,829	30	119	30	74	Includes one major aquifer
Georgia	Floridan aquifer system	S400FLORDN	28,635	57	229	57	143	Two major aquifers within principal aquifer
Georgia	Other aquifers	N9999OTHER	4,151	--	--	--	--	No well density specified
Georgia	Pennsylvanian aquifers	N300PNSLVN	72	0	1	0	1	Small area in state, set maximum to 1
Georgia	Piedmont and Blue Ridge crystalline-rock aquifers	N400PDMBRX	20,058	20	80	20	50	Includes one major aquifer
Georgia	Southeastern Coastal Plain aquifer system	S100SECSLP	85,990	344	1376	344	860	Four major aquifers within principal aquifer
Georgia	Surficial aquifer system	S100SURFCL	20,184	20	81	20	50	Includes one major aquifer
Georgia	Valley and Ridge aquifers	N500VLYRDG	3,015	3	12	3	8	Includes one major aquifer
Hawaii	Hawaii volcanic-rock aquifers	N600HIVLCC	5,741	6	23	6	14	Includes one major aquifer
Idaho	Basin and Range basin-fill aquifers	N100BSNRGB	1,229	1	5	1	3	Includes one major aquifer
Idaho	Basin and Range carbonate-rock aquifers	N400BSNRGC	790	1	3	1	2	Includes one major aquifer
Idaho	Columbia Plateau basaltic-rock aquifers	N600CMBPLV	3,218	3	13	3	8	Includes one major aquifer
Idaho	Columbia Plateau basin-fill aquifers	N100CMBPLB	48	0	1	0	1	Small area in state, set maximum to 1
Idaho	Northern Rocky Mountains Intermontane Basins aquifer systems	S100NRMTIB	6,370	6	26	6	16	Includes one major aquifer
Idaho	Other aquifers	N9999OTHER	37,958	--	--	--	--	No well density specified
Idaho	Pacific Northwest basin-fill aquifers	N100PCFNWB	5,576	6	22	6	14	Includes one major aquifer
Idaho	Pacific Northwest volcanic-rock aquifers	N100PCFNWV	13,928	14	56	14	35	Includes one major aquifer
Idaho	Snake River Plain basaltic-rock aquifers	N600SKRVPV	14,225	14	57	14	36	Includes one major aquifer
Idaho	Snake River Plain basin-fill aquifers	N600SKRVPB	4,737	5	19	5	12	Includes one major aquifer
Illinois	Cambrian-Ordovician aquifer system	S300CAMORD	35,023	105	420	105	262	Three major aquifers within principal aquifer
Illinois	Mississippi embayment aquifer system	S100MSEBM	321	2	7	2	4	Six major aquifers within principal aquifer
Illinois	Mississippi River Valley alluvial aquifer	N100MSRVVL	131	0	1	0	1	Small area in state, set maximum to 1
Illinois	Mississippian aquifers	N500MSSPPI	7,707	8	31	8	19	Includes one major aquifer
Illinois	Other aquifers	N9999OTHER	41,059	--	--	--	--	No well density specified
Illinois	Ozark Plateaus aquifer system	S400OZRKPL	794	2	10	2	6	Three major aquifers within principal aquifer
Illinois	Pennsylvanian aquifers	N300PNSLVN	36,769	37	147	37	92	Includes one major aquifer
Illinois	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	18,133	18	72	18	45	Includes one major aquifer
Illinois	Silurian-Devonian aquifers	N400SLRDVN	11,799	12	47	12	30	Includes one major aquifer
Indiana	Cambrian-Ordovician aquifer system	S300CAMORD	2,924	9	35	9	22	Three major aquifers within principal aquifer
Indiana	Mississippian aquifers	N500MSSPPI	2,639	3	10	3	6	Includes one major aquifer
Indiana	Other aquifers	N9999OTHER	21,732	--	--	--	--	No well density specified
Indiana	Pennsylvanian aquifers	N300PNSLVN	6,886	7	28	7	17	Includes one major aquifer
Indiana	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	9,926	10	40	10	25	Includes one major aquifer
Indiana	Silurian-Devonian aquifers	N400SLRDVN	15,192	15	61	15	38	Includes one major aquifer
Iowa	Cambrian-Ordovician aquifer system	S300CAMORD	55,607	167	667	167	417	Three major aquifers within principal aquifer
Iowa	Lower Cretaceous aquifers	N300LCRTCS	8,324	8	33	8	21	Includes one major aquifer
Iowa	Mississippian aquifers	N500MSSPPI	30,607	31	122	31	76	Includes one major aquifer
Iowa	Other aquifers	N9999OTHER	26,464	--	--	--	--	No well density specified
Iowa	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	9,935	10	40	10	25	Includes one major aquifer

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Iowa	Silurian-Devonian aquifers	N400SLRDVN	46,931	47	188	47	117	Includes one major aquifer
Iowa	Upper carbonate aquifer	N400UPCRBN	1,988	2	8	2	5	Includes one major aquifer
Kansas	Alluvial aquifers	N100ALLUVL	--	--	--	--	--	No well density specified
Kansas	High Plains aquifer	N100HGHPLN	31,989	96	384	96	240	Three major aquifers within principal aquifer
Kansas	Lower Cretaceous aquifers	N300LCRTCS	3,774	4	15	4	10	Includes one major aquifer
Kansas	Other aquifers	N9999OTHER	46,339	--	--	--	--	No well density specified
Kansas	Ozark Plateaus aquifer system	S400OZRKPL	96	0	1	0	1	Small area in state, set maximum to 1
Kansas	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	1,751	2	7	2	4	Includes one major aquifer
Kentucky	Alluvial aquifers	N100ALLUVL	--	--	--	--	--	No well density specified
Kentucky	Mississippi embayment aquifer system	S100MSEMBM	2,263	14	55	14	34	Six major aquifers within principal aquifer
Kentucky	Mississippi River Valley alluvial aquifer	N100MSRVVL	219	0	1	0	1	Includes one major aquifer, small area in state, set maximum to 1
Kentucky	Mississippian aquifers	N500MSSPPI	16,627	17	66	17	42	Includes one major aquifer
Kentucky	Ordovician aquifers	N400ORDVCN	1,674	2	7	2	4	Includes one major aquifer
Kentucky	Other aquifers	N9999OTHER	14,680	--	--	--	--	No well density specified
Kentucky	Pennsylvanian aquifers	N300PNSLVN	14,051	14	56	14	35	Includes one major aquifer
Kentucky	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	214	0	1	0	1	Includes one major aquifer, small area in state, set maximum to 1
Kentucky	Silurian-Devonian aquifers	N400SLRDVN	901	1	4	1	2	Includes one major aquifer
Louisiana	Alluvial aquifers	N100ALLUVL	--	--	--	--	--	No well density specified
Louisiana	Coastal lowlands aquifer system	S100CSLLWD	29,804	30	119	30	74	Includes one major aquifer
Louisiana	Mississippi embayment aquifer system	S100MSEMBM	30,766	185	739	185	462	Six major aquifers within principal aquifer
Louisiana	Mississippi River Valley alluvial aquifer	N100MSRVVL	4,481	4	18	4	11	Includes one major aquifer
Maine	New York and New England carbonate-rock aquifers	N400NYNECB	744	1	3	1	2	Includes one major aquifer
Maine	New York and New England crystalline-rock aquifers	N600NECRSN	31,065	31	124	31	78	Includes one major aquifer
Maine	Other aquifers	N9999OTHER	31,156	--	--	--	--	No well density specified
Maine	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	2,859	3	12	3	7	Includes one major aquifer
Maryland	Alluvial aquifers	N100ALLUVL	--	--	--	--	--	No well density specified
Maryland	Early Mesozoic basin aquifers	N300ERLMZC	257	0	1	0	1	Includes one major aquifer
Maryland	Mississippian aquifers	N500MSSPPI	662	1	3	1	2	Includes one major aquifer
Maryland	Northern Atlantic Coastal Plain aquifer system	S100NATLCP	4,981	25	100	25	62	Five major aquifers within principal aquifer
Maryland	Pennsylvanian aquifers	N300PNSLVN	401	0	2	0	1	Includes one major aquifer
Maryland	Piedmont and Blue Ridge carbonate-rock aquifers	N400PDMBRC	154	0	1	0	1	Small principal aquifer, set range to 5-10 wells in 4 states
Maryland	Piedmont and Blue Ridge crystalline-rock aquifers	N400PDMBRX	2,506	2	10	2	6	Includes one major aquifer
Maryland	Valley and Ridge aquifers	N500VLYRDG	718	1	3	1	2	Includes one major aquifer
Massachusetts	Early Mesozoic basin aquifers	N300ERLMZC	443	0	2	0	1	Includes one major aquifer
Massachusetts	New York and New England carbonate-rock aquifers	N400NYNECB	393	0	2	0	1	Includes one major aquifer
Massachusetts	New York and New England crystalline-rock aquifers	N600NECRSN	6,408	6	26	6	16	Includes one major aquifer
Massachusetts	Other aquifers	N9999OTHER	7,154	--	--	--	--	No well density specified
Massachusetts	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	3,113	3	12	3	8	Includes one major aquifer
Michigan	Cambrian-Ordovician aquifer system	S300CAMORD	7,949	24	95	24	59	Three major aquifers within principal aquifer
Michigan	Jacobsville aquifer	N300JCBSVL	4,231	5	9	5	9	Small principal aquifer, set range to 5-10 wells in 2 states
Michigan	Marshall aquifer	N300MRSHLL	22,229	22	89	22	56	Includes one major aquifer
Michigan	Other aquifers	N9999OTHER	34,713	--	--	--	--	No well density specified
Michigan	Pennsylvanian aquifers	N300PNSLVN	8,170	8	33	8	20	Includes one major aquifer
Michigan	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	24,708	25	99	25	62	Includes one major aquifer

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Michigan	Silurian-Devonian aquifers	N400SLRDVN	5,094	5	20	5	13	Includes one major aquifer
Minnesota	Cambrian-Ordovician aquifer system	S300CAMORD	17,485	52	210	52	131	Three major aquifers within principal aquifer
Minnesota	Lower Cretaceous aquifers	N300LCRTCS	8,413	8	34	8	21	Includes one major aquifer
Minnesota	Other aquifers	N9999OTHER	62,976	--	--	--	--	No well density specified
Minnesota	Paleozoic aquifers	N500PLOZOC	2	0	1	0	1	Small area in state, set maximum to 1
Minnesota	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	21,030	21	84	21	52	Includes one major aquifer
Minnesota	Upper carbonate aquifer	N400UPCRBN	3,442	3	14	3	8	Includes one major aquifer
Mississippi	Coastal lowlands aquifer system	S100CSLLWD	16,521	16	66	16	41	Includes one major aquifer
Mississippi	Floridan aquifer system	S400FLORDN	2,837	6	22	6	14	Two major aquifers within principal aquifer
Mississippi	Mississippi embayment aquifer system	S100MSEMBM	45,080	271	1082	271	676	Six major aquifers within principal aquifer
Mississippi	Mississippi River Valley alluvial aquifer	N100MSRVVL	7,397	7	30	7	18	Includes one major aquifer
Mississippi	Other aquifers	N9999OTHER	8,150	--	--	--	--	No well density specified
Mississippi	Southeastern Coastal Plain aquifer system	S100SECSLP	108,572	434	1738	434	1086	Four major aquifers within principal aquifer
Missouri	Alluvial aquifers	N100ALLUVL	--	--	--	--	--	No well density specified
Missouri	Cambrian-Ordovician aquifer system	S300CAMORD	22,658	68	272	68	170	Three major aquifers within principal aquifer
Missouri	Mississippi embayment aquifer system	S100MSEMBM	3,651	22	89	22	56	Six major aquifers within principal aquifer
Missouri	Mississippi River Valley alluvial aquifer	N100MSRVVL	3,661	4	15	4	9	Includes one major aquifer
Missouri	Mississippian aquifers	N500MSSPPI	21,809	22	87	22	54	Includes one major aquifer
Missouri	Other aquifers	N9999OTHER	28,175	--	--	--	--	No well density specified
Missouri	Ozark Plateaus aquifer system	S400OZRKPL	37,109	111	445	111	278	Three major aquifers within principal aquifer
Missouri	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	5,051	5	20	5	13	Includes one major aquifer
Missouri	Silurian-Devonian aquifers	N400SLRDVN	56	0	1	0	1	Small area in state, set maximum to 1
Montana	Alluvial aquifers	N100ALLUVL	--	--	--	--	--	No well density specified
Montana	Lower Cretaceous aquifers	N300LCRTCS	2,721	3	11	3	7	Includes one major aquifer
Montana	Lower Tertiary aquifers	N300LTRTRY	31,983	32	128	32	80	Includes one major aquifer
Montana	Northern Rocky Mountains Intermontane Basins aquifer systems	S100NRMTIB	8,644	9	34	9	22	Includes one major aquifer
Montana	Other aquifers	N9999OTHER	92,268	--	--	--	--	No well density specified
Montana	Pacific Northwest volcanic-rock aquifers	N100PCFNWV	77	0	1	0	1	Small area in state, set maximum to 1
Montana	Paleozoic aquifers	N500PLOZOC	3,276	3	13	3	8	Includes one major aquifer
Montana	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	4,009	4	16	4	10	Includes one major aquifer
Montana	Upper Cretaceous aquifers	N300UPCTCS	8,259	8	33	8	21	Includes one major aquifer
Nebraska	Alluvial aquifers	N100ALLUVL	--	--	--	--	--	No well density specified
Nebraska	High Plains aquifer	N100HGHPLN	65,144	195	781	195	488	Three major aquifers within principal aquifer
Nebraska	Lower Cretaceous aquifers	N300LCRTCS	3,064	3	12	3	8	Includes one major aquifer
Nebraska	Other aquifers	N9999OTHER	9,121	--	--	--	--	No well density specified
Nebraska	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	6,781	7	27	7	17	Includes one major aquifer
Nevada	Basin and Range basin-fill aquifers	N100BSNRGB	55,711	56	223	56	139	Includes one major aquifer
Nevada	Basin and Range carbonate-rock aquifers	N400BSNRGC	9,792	10	39	10	24	Includes one major aquifer
Nevada	Other aquifers	N9999OTHER	40,324	--	--	--	--	No well density specified
Nevada	Pacific Northwest basin-fill aquifers	N100PCFNWB	370	0	2	0	1	Includes one major aquifer
Nevada	Pacific Northwest volcanic-rock aquifers	N100PCFNWV	2,520	2	10	2	6	Includes one major aquifer
Nevada	Southern Nevada volcanic-rock aquifers	N600SRNVDV	1,952	5	10	5	10	Small principal aquifer, set range to 5-10
New Hampshire	New York and New England crystalline-rock aquifers	N600NECRSN	9,246	9	37	9	23	Includes one major aquifer
New Hampshire	Other aquifers	N9999OTHER	9,246	--	--	--	--	No well density specified

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New Hampshire	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	1,813	2	7	2	4	Includes one major aquifer
New Jersey	Alluvial aquifers	N100ALLUVL	--	--	--	--	--	No well density specified
New Jersey	Early Mesozoic basin aquifers	N300ERLMZC	1,556	2	6	2	4	Includes one major aquifer
New Jersey	New York and New England carbonate-rock aquifers	N400NYNECB	126	0	1	0	1	Small area in state, set maximum to 1
New Jersey	Northern Atlantic Coastal Plain aquifer system	S100NATLCP	4,347	22	86	22	54	Five major aquifers within principal aquifer
New Jersey	Piedmont and Blue Ridge carbonate-rock aquifers	N400PDMBRC	175	1	1	1	1	Small principal aquifer, set range to 5-10 wells in 4 states
New Jersey	Piedmont and Blue Ridge crystalline-rock aquifers	N400PDMBRX	827	1	3	1	2	Includes one major aquifer
New Jersey	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	404	0	2	0	1	Includes one major aquifer
New Jersey	Valley and Ridge aquifers	N500VLYRDG	418	0	2	0	1	Includes one major aquifer
New Mexico	Basin and Range basin-fill aquifers	N100BSNRGB	1,168	1	5	1	3	Includes one major aquifer
New Mexico	Colorado Plateaus aquifers	N300COPLTS	24,632	98	394	98	246	Four major aquifers within principal aquifer
New Mexico	High Plains aquifer	N100HGHLN	9,551	29	115	29	72	Three major aquifers within principal aquifer
New Mexico	Other aquifers	N9999OTHER	61,868	--	--	--	--	No well density specified
New Mexico	Pecos River Basin alluvial aquifer	N100PCSRVR	517	0	2	0	1	Includes one major aquifer
New Mexico	Rio Grande aquifer system	S100RIOGRD	21,505	22	86	22	54	Includes one major aquifer
New Mexico	Roswell Basin aquifer system	S400RSWLBS	2,513	5	10	5	10	Small principal aquifer, set range to 5-10
New York	Early Mesozoic basin aquifers	N300ERLMZC	188	0	1	0	1	Small area in state, set maximum to 1
New York	New York and New England carbonate-rock aquifers	N400NYNECB	5,653	6	23	6	14	Includes one major aquifer
New York	New York and New England crystalline-rock aquifers	N600NECRSN	10,166	10	41	10	26	Includes one major aquifer
New York	New York sandstone aquifers	N300NYSDSN	3,277	5	13	5	10	Small principal aquifer, set range to 5-10
New York	Northern Atlantic Coastal Plain aquifer system	S100NATLCP	1,309	6	26	6	16	Five major aquifers within principal aquifer
New York	Other aquifers	N9999OTHER	37,752	--	--	--	--	No well density specified
New York	Piedmont and Blue Ridge crystalline-rock aquifers	N400PDMBRX	11	0	1	0	1	Small area in state, set maximum to 1
New York	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	9,926	10	40	10	25	Includes one major aquifer
New York	Valley and Ridge aquifers	N500VLYRDG	149	0	1	0	1	Small area in state, set maximum to 1
North Carolina	Castle Hayne aquifer	N400CSLHYN	8,760	9	35	9	22	Includes one major aquifer
North Carolina	Early Mesozoic basin aquifers	N300ERLMZC	238	0	1	0	1	Includes one major aquifer, small area in state, set maximum to 1
North Carolina	Northern Atlantic Coastal Plain aquifer system	S100NATLCP	21,593	108	432	108	270	Five major aquifers within principal aquifer
North Carolina	Piedmont and Blue Ridge carbonate-rock aquifers	N400PDMBRC	80	1	1	1	1	Small principal aquifer, set range to 5-10 wells in 4 states
North Carolina	Piedmont and Blue Ridge crystalline-rock aquifers	N400PDMBRX	26,643	27	106	27	66	Includes one major aquifer
North Carolina	Southeastern Coastal Plain aquifer system	S100SECSLP	21	0	1	0	1	Small area in state, set maximum to 1
North Carolina	Surficial aquifer system	S100SURFCL	3,463	4	14	4	9	Includes one major aquifer
North Carolina	Valley and Ridge aquifers	N500VLYRDG	111	0	1	0	1	Small area in state, set maximum to 1
North Dakota	Alluvial aquifers	N100ALLUVL	--	--	--	--	--	No well density specified
North Dakota	Lower Cretaceous aquifers	N300LCRTCS	749	1	3	1	2	Includes one major aquifer
North Dakota	Lower Tertiary aquifers	N300LTRTRY	31,067	31	124	31	78	Includes one major aquifer
North Dakota	Other aquifers	N9999OTHER	29,224	--	--	--	--	No well density specified
North Dakota	Paleozoic aquifers	N500PLOZOC	230	0	1	0	1	Includes one major aquifer, small area in state, set maximum to 1
North Dakota	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	12,123	12	48	12	30	Includes one major aquifer
North Dakota	Upper Cretaceous aquifers	N300UPCTCS	9,529	10	38	10	24	Includes one major aquifer
Ohio	Alluvial aquifers	N100ALLUVL	--	--	--	--	--	No well density specified
Ohio	Mississippian aquifers	N500MSSPPI	19,952	20	80	20	50	Includes one major aquifer
Ohio	Other aquifers	N9999OTHER	8,356	--	--	--	--	No well density specified
Ohio	Pennsylvanian aquifers	N300PNSLVN	11,768	12	47	12	30	Includes one major aquifer

State Name	Principal Aquifer	Aquifer Code	Area in square miles	¹ Minimum Recommended number of Water-Level Trend sites	¹ Maximum Recommended number of Water-Level Trend sites	² Minimum Recommended number of Water-quality sites	² Maximum Recommended number of Water-quality sites	Comment
Ohio	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	4,117	4	16	4	10	Includes one major aquifer
Ohio	Silurian-Devonian aquifers	N400SLRDVN	14,358	14	58	14	36	Includes one major aquifer
Oklahoma	Ada-Vamoosa aquifer	N300ADAVMS	2,461	5	10	5	10	Small principal aquifer, set range to 5-10
Oklahoma	Alluvial aquifers	N100ALLUVL	--	--	--	--	--	No well density specified
Oklahoma	Arbuckle-Simpson aquifer	N400ABKSMP	861	5	10	5	10	Small principal aquifer, set range to 5-10
Oklahoma	Blaine aquifer	N400BLAINE	938	1	3	1	3	Small principal aquifer, set range to 5-10 wells in 2 states
Oklahoma	Central Oklahoma aquifer	N300CNRLOK	2,818	5	11	5	10	Small principal aquifer, set minimum to 5
Oklahoma	Edwards-Trinity aquifer system	S500EDRTRN	4,174	13	50	13	32	Three major aquifers within principal aquifer
Oklahoma	High Plains aquifer	N100HGHPLN	6,654	20	80	20	50	Three major aquifers within principal aquifer
Oklahoma	Other aquifers	N9999OTHER	52,435	--	--	--	--	No well density specified
Oklahoma	Ozark Plateaus aquifer system	S400OZRKPL	3,625	11	43	11	27	Three major aquifers within principal aquifer
Oklahoma	Rush Springs aquifer	N300RSHSPG	1,386	5	10	5	10	Small principal aquifer, set range to 5-10
Oregon	Basin and Range basin-fill aquifers	N100BSNRGB	947	1	4	1	2	Includes one major aquifer
Oregon	Columbia Plateau basaltic-rock aquifers	N600CMBPLV	11,541	12	46	12	29	Includes one major aquifer
Oregon	Columbia Plateau basin-fill aquifers	N100CMBPLB	3,258	3	13	3	8	Includes one major aquifer
Oregon	Other aquifers	N9999OTHER	25,618	--	--	--	--	No well density specified
Oregon	Pacific Northwest basin-fill aquifers	N100PCFNWB	9,914	10	40	10	25	Includes one major aquifer
Oregon	Pacific Northwest volcanic-rock aquifers	N100PCFNWV	42,013	42	168	42	105	Includes one major aquifer
Oregon	Snake River Plain basaltic-rock aquifers	N600SKRVPV	204	0	1	0	1	Includes one major aquifer, small area in state, set maximum to 1
Oregon	Snake River Plain basin-fill aquifers	N600SKRVPB	107	0	1	0	1	Small area in state, set maximum to 1
Oregon	Willamette Lowland basin-fill aquifers	N100WLMLWD	3,392	5	9	5	9	Small principal aquifer, set range to 5-10 wells in 2 states
Pennsylvania	Early Mesozoic basin aquifers	N300ERLMZC	2,113	2	8	2	5	Includes one major aquifer
Pennsylvania	Mississippian aquifers	N500MSSPPI	17,992	18	72	18	45	Includes one major aquifer
Pennsylvania	New York and New England carbonate-rock aquifers	N400NYNECB	140	0	1	0	1	Small area in state, set maximum to 1
Pennsylvania	Northern Atlantic Coastal Plain aquifer system	S100NATLCP	65	0	1	0	1	Small area in state, set maximum to 1
Pennsylvania	Other aquifers	N9999OTHER	8,975	--	--	--	--	No well density specified
Pennsylvania	Pennsylvanian aquifers	N300PNSLVN	12,298	12	49	12	31	Includes one major aquifer
Pennsylvania	Piedmont and Blue Ridge carbonate-rock aquifers	N400PDMBRC	849	3	7	3	7	Small principal aquifer, set range to 5-10 wells in 4 states
Pennsylvania	Piedmont and Blue Ridge crystalline-rock aquifers	N400PDMBRX	2,414	2	10	2	6	Includes one major aquifer
Pennsylvania	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	2,012	2	8	2	5	Includes one major aquifer
Pennsylvania	Valley and Ridge aquifers	N500VLYRDG	12,787	13	51	13	32	Includes one major aquifer
Puerto Rico	North Coast Limestone aquifer system (Puerto Rico)	N400NCSTLM	490	5	10	5	10	Small principal aquifer, set range to 5-10
Puerto Rico	South Coast aquifer (Puerto Rico)	N300STHCST	150	5	10	5	10	Small principal aquifer, set range to 5-10
Rhode Island	New York and New England crystalline-rock aquifers	N600NECRSN	982	1	4	1	2	Includes one major aquifer
Rhode Island	Other aquifers	N9999OTHER	1,016	--	--	--	--	No well density specified
Rhode Island	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	397	0	2	0	1	Includes one major aquifer
South Carolina	Floridan aquifer system	S400FLORDN	4,745	9	38	9	24	Two major aquifers within principal aquifer
South Carolina	Piedmont and Blue Ridge crystalline-rock aquifers	N400PDMBRX	11,450	12	46	12	29	Includes one major aquifer
South Carolina	Southeastern Coastal Plain aquifer system	S100SECSLP	45,393	182	726	182	454	Four major aquifers within principal aquifer
South Carolina	Surficial aquifer system	S100SURFCL	12,521	12	50	12	31	Includes one major aquifer
South Dakota	Alluvial aquifers	N100ALLUVL	--	--	--	--	--	No well density specified
South Dakota	High Plains aquifer	N100HGHPLN	5,655	17	68	17	43	Three major aquifers within principal aquifer
South Dakota	Lower Cretaceous aquifers	N300LCRTCS	1,863	2	8	2	5	Includes one major aquifer
South Dakota	Lower Tertiary aquifers	N300LTRTRY	1,452	2	6	2	4	Includes one major aquifer

State Name	Principal Aquifer	Aquifer Code	Area in square miles	¹ Minimum Recommended number of Water-Level Trend sites	¹ Maximum Recommended number of Water-Level Trend sites	² Minimum Recommended number of Water-quality sites	² Maximum Recommended number of Water-quality sites	Comment
South Dakota	Other aquifers	N9999OTHER	56,927	--	--	--	--	No well density specified
South Dakota	Paleozoic aquifers	N500PLOZOC	1,235	1	5	1	3	Includes one major aquifer
South Dakota	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	12,357	12	50	12	31	Includes one major aquifer
South Dakota	Upper Cretaceous aquifers	N300UPCTCS	10,062	10	40	10	25	Includes one major aquifer
Tennessee	Alluvial aquifers	N100ALLUVL	--	--	--	--	--	No well density specified
Tennessee	Mississippi embayment aquifer system	S100MSEMBM	9,106	55	218	55	136	Six major aquifers within principal aquifer
Tennessee	Mississippi River Valley alluvial aquifer	N100MSRVVL	969	1	4	1	2	Includes one major aquifer
Tennessee	Mississippian aquifers	N500MSSPPI	8,496	8	34	8	21	Includes one major aquifer
Tennessee	Ordovician aquifers	N400ORDVCN	3,591	4	14	4	9	Includes one major aquifer
Tennessee	Other aquifers	N9999OTHER	8,702	--	--	--	--	No well density specified
Tennessee	Pennsylvanian aquifers	N300PNSLVN	4,379	4	18	4	11	Includes one major aquifer
Tennessee	Piedmont and Blue Ridge crystalline-rock aquifers	N400PDMBRX	1,281	1	5	1	3	Includes one major aquifer
Tennessee	Silurian-Devonian aquifers	N400SLRDVN	1,188	1	5	1	3	Includes one major aquifer
Tennessee	Southeastern Coastal Plain aquifer system	S100SECSLP	1,068	4	18	4	11	Four major aquifers within principal aquifer
Tennessee	Valley and Ridge aquifers	N500VLYRDG	9,390	9	38	9	24	Includes one major aquifer
Texas	Alluvial aquifers	N100ALLUVL	--	--	--	--	--	No well density specified
Texas	Blaine aquifer	N400BLAINE	2,561	4	7	4	7	Small principal aquifer, set range to 5-10 wells in 2 states
Texas	Coastal lowlands aquifer system	S100CSLLWD	42,147	42	168	42	105	Includes one major aquifer
Texas	Edwards-Trinity aquifer system	S500EDRTRN	75,366	226	905	226	566	Three major aquifers within principal aquifer
Texas	High Plains aquifer	N100HGHPLN	35,306	106	424	106	265	Three major aquifers within principal aquifer
Texas	Mississippi embayment aquifer system	S100MSEMBM	86	0	1	0	1	Small area in state, set maximum to 1
Texas	Other aquifers	N9999OTHER	89,593	--	--	--	--	No well density specified
Texas	Pecos River Basin alluvial aquifer	N100PCSRVR	5,083	5	20	5	13	Includes one major aquifer
Texas	Rio Grande aquifer system	S100RIOGRD	4,486	4	18	4	11	Includes one major aquifer
Texas	Seymour aquifer	N100SYMOUR	3,489	5	14	5	10	Small principal aquifer, set range to 5-10
Texas	Texas coastal uplands aquifer system	S100TXCLUP	64,611	258	1034	258	646	Four major aquifers within principal aquifer
Utah	Alluvial aquifers	N100ALLUVL	--	--	--	--	--	No well density specified
Utah	Basin and Range basin-fill aquifers	N100BSNRGB	24,399	24	98	24	61	Includes one major aquifer
Utah	Basin and Range carbonate-rock aquifers	N400BSNRGC	3,961	4	16	4	10	Includes one major aquifer
Utah	Colorado Plateaus aquifers	N300COPLTS	42,873	172	686	172	429	Four major aquifers within principal aquifer
Utah	Other aquifers	N9999OTHER	13,306	--	--	--	--	No well density specified
Utah	Pacific Northwest basin-fill aquifers	N100PCFNWB	331	0	1	0	1	Includes one major aquifer
Vermont	New York and New England carbonate-rock aquifers	N400NYNECB	932	1	4	1	2	Includes one major aquifer
Vermont	New York and New England crystalline-rock aquifers	N600NECRSN	7,418	7	30	7	18	Includes one major aquifer
Vermont	Other aquifers	N9999OTHER	8,668	--	--	--	--	No well density specified
Vermont	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	1,355	1	6	1	4	Includes one major aquifer
Virgin Islands	Kingshill aquifer (Virgin Islands)	N400KNGSHL	19	5	10	5	10	Small principal aquifer, set range to 5-10
Virginia	Alluvial aquifers	N100ALLUVL	--	--	--	--	--	No well density specified
Virginia	Early Mesozoic basin aquifers	N300ERLMZC	1,610	2	6	2	4	Includes one major aquifer
Virginia	Mississippian aquifers	N500MSSPPI	1,649	2	6	2	4	Includes one major aquifer
Virginia	Northern Atlantic Coastal Plain aquifer system	S100NATLCP	8,262	42	166	42	104	Five major aquifers within principal aquifer
Virginia	Pennsylvanian aquifers	N300PNSLVN	1,534	2	6	2	4	Includes one major aquifer
Virginia	Piedmont and Blue Ridge crystalline-rock aquifers	N400PDMBRX	17,093	17	68	17	43	Includes one major aquifer
Virginia	Valley and Ridge aquifers	N500VLYRDG	10,884	11	44	11	27	Includes one major aquifer

State Name	Principal Aquifer	Aquifer Code	Area in square miles	¹ Minimum Recommended number of Water-Level Trend sites	¹ Maximum Recommended number of Water-Level Trend sites	² Minimum Recommended number of Water-quality sites	² Maximum Recommended number of Water-quality sites	Comment
Washington	Columbia Plateau basaltic-rock aquifers	N600CMBPLV	14,235	14	57	14	36	Includes one major aquifer
Washington	Columbia Plateau basin-fill aquifers	N100CMBPLB	11,135	11	44	11	28	Includes one major aquifer
Washington	Northern Rocky Mountains Intermontane Basins aquifer systems	S100NRMTIB	29	0	1	0	1	Small area in state, set maximum to 1
Washington	Other aquifers	N9999OTHER	28,748	--	--	--	--	No well density specified
Washington	Pacific Northwest basin-fill aquifers	N100PCFNWB	5,619	6	22	6	14	Includes one major aquifer
Washington	Pacific Northwest volcanic-rock aquifers	N100PCFNWV	1,511	2	6	2	4	Includes one major aquifer
Washington	Puget Sound aquifer system	S100PGTSND	5,411	5	22	5	14	Includes one major aquifer
Washington	Willamette Lowland basin-fill aquifers	N100WLMLWD	236	0	1	0	1	Small principal aquifer, set range to 5-10 wells in 2 states
West Virginia	Alluvial aquifers	N100ALLUVL	--	--	--	--	--	No well density specified
West Virginia	Mississippian aquifers	N500MSSPPI	19,375	19	78	19	48	Includes one major aquifer
West Virginia	Other aquifers	N9999OTHER	1,644	--	--	--	--	No well density specified
West Virginia	Pennsylvanian aquifers	N300PNSLVN	16,536	16	66	16	41	Includes one major aquifer
West Virginia	Piedmont and Blue Ridge crystalline-rock aquifers	N400PDMBRX	21	0	1	0	1	Small area in state, set maximum to 1
West Virginia	Valley and Ridge aquifers	N500VLYRDG	3,172	3	13	3	8	Includes one major aquifer
Wisconsin	Cambrian-Ordovician aquifer system	S300CAMORD	35,184	106	422	106	264	Three major aquifers within principal aquifer
Wisconsin	Jacobsville aquifer	N300JCBSVL	5	0	1	0	1	Small principal aquifer, set range to 5-10 wells in 2 states
Wisconsin	Other aquifers	N9999OTHER	21,574	--	--	--	--	No well density specified
Wisconsin	Sand and gravel aquifers (glaciated regions)	N100GLCIAL	21,653	22	87	22	54	Includes one major aquifer
Wisconsin	Silurian-Devonian aquifers	N400SLRDVN	4,658	5	19	5	12	Includes one major aquifer
Wyoming	Alluvial aquifers	N100ALLUVL	--	--	--	--	--	No well density specified
Wyoming	Colorado Plateaus aquifers	N300COPLTS	18,633	74	298	74	186	Four major aquifers within principal aquifer
Wyoming	High Plains aquifer	N100HGHPLN	7,211	22	86	22	54	Three major aquifers within principal aquifer
Wyoming	Lower Cretaceous aquifers	N300LCRTCS	4,918	5	20	5	12	Includes one major aquifer
Wyoming	Lower Tertiary aquifers	N300LTRTRY	22,416	22	90	22	56	Includes one major aquifer
Wyoming	Northern Rocky Mountains Intermontane Basins aquifer systems	S100NRMTIB	18	0	1	0	1	Small area in state, set maximum to 1
Wyoming	Other aquifers	N9999OTHER	30,616	--	--	--	--	No well density specified
Wyoming	Pacific Northwest basin-fill aquifers	N100PCFNWB	24	0	1	0	1	Small area in state, set maximum to 1
Wyoming	Pacific Northwest volcanic-rock aquifers	N100PCFNWV	1,787	2	7	2	4	Includes one major aquifer
Wyoming	Paleozoic aquifers	N500PLOZOC	4,279	4	17	4	11	Includes one major aquifer
Wyoming	Upper Cretaceous aquifers	N300UPCTCS	4,817	5	19	5	12	Includes one major aquifer
Wyoming	Wyoming Tertiary aquifers	N300WYTRTR	3,083	5	12	5	10	Small principal aquifer, set minimum to 5

Footnotes:

¹For water-level network Trend sites, a density of 1 to 4 sites per 1,000 square miles in each principal aquifer within a state. More sites may be required if the principal aquifer is made up of several major aquifers which vary with depth. Nested wells at these locations are ideal Trend sites. Surveillance sites are measured less frequently, but at a higher density in order to reflect local variation. Surveillance sites should be referenced to a nearby trend site. A density of 3 to 7 surveillance sites per trend site is a reasonable rule-of-thumb range. Well densities are not calculated for the 'Other aquifers' and 'Alluvial aquifers' principal aquifers or for locally significant 'major' aquifers.

²For Water-Quality Network sites, a density of 1 to 2.5 sites per 1,000 square miles in each principal or major aquifer within a state is recommended. Because very few water-quality trend sites are available nationally, for the short term, water-quality well densities should include both Trend and Surveillance sites. The wells should be spatially distributed across the aquifer. More sites may be required if the principal aquifer is made up of several major aquifers which vary with depth. Nested wells in different major aquifers at these locations are ideal sites. Well densities are not calculated for the 'Other aquifers' and 'Alluvial aquifers' principal aquifers or for locally significant 'major' aquifers.