

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations.[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
01484790	Nassawadox Creek at Route 606 near Nassawadox, Va.	0.686	0.722	43.1	9.79	5.82	3.45	2.33	1.45
01484800	Guy Creek at Route 606 near Nassawadox, Va.	0.602	0.633	11.0	3.00	1.90	1.20	0.850	0.560
01484855	North Branch Onancock Creek at Pine Street at Onancock, Va.	0.989	0.854	6.74	2.36	1.45	0.990	0.698	0.481
01605200	West Strait Creek at Monterey wastewater outfall at Monterey, Va.	0.345	0.372	3.05	1.26	0.923	0.731	0.596	0.489
01605500	South Branch Potomac River at Franklin, W.Va.	0.460	0.497	--	--	215	157	120	92.0
01607500	South Fork South Branch Potomac River at Brandywine, W.Va.	0.817	0.723	740	198	119	81.9	57.8	41.6
01613570	Back Creek at old Route 522 at Gainesboro, Va.	0.253	0.246	19.0	11.1	9.38	8.41	7.71	7.07
01613590	Isaacs Creek at Route 522 at Gainesboro, Va.	0.918	1.04	512	36.7	14.9	8.18	4.90	2.91
01613900	Hogue Creek at Route 614 near Hayfield, Va.	0.637	0.734	169	34.0	18.0	11.0	7.70	5.20
01614805	Opequon Creek at Route 622 at Opequon, Va.	0.375	0.437	11.0	3.63	2.38	1.79	1.43	1.16
01614820	Opequon Creek at old Route 628 near Opequon, Va.	0.340	0.406	37.0	12.8	8.71	6.79	5.51	4.40
01614830	Opequon Creek at Route 11 near Stephens City, Va.	0.431	0.460	40.0	16.0	11.8	9.50	7.50	5.40
01615000	Opequon Creek above Route 7 near Berryville, Va.	0.538	0.650	515	89.0	49.0	34.0	25.0	19.0
01615500	Abrams Creek at railroad bridge at Winchester, Va.	0.182	0.265	14.6	7.24	6.44	5.80	4.50	3.80
01615515	Old Town Spring at Winchester, Va.	0.103	0.129	0.985	0.701	0.624	0.571	0.535	0.501
01615518	Town Run tributary from Shawnee Spring at Winchester, Va.	0.085	0.106	1.92	1.45	1.32	1.23	1.16	1.10
01615522	Rouss Spring at Winchester, Va.	0.088	0.084	5.65	4.88	4.64	4.48	4.35	4.21
01616000	Abrams Creek above Route 659 near Winchester, Va.	0.257	0.322	104	35.0	26.0	22.0	19.0	17.0
01616074	Redbud Run at private drive above Fay Spring near Winchester, Va.	0.334	0.293	10.5	6.44	5.33	4.65	4.14	3.69
01616075	Fay Spring near Winchester, Va.	0.240	0.171	2.30	1.60	1.40	1.40	1.30	1.20
01616100	Dry Marsh Run at Route 645 near Berryville, Va.	0.514	0.444	54.0	23.0	17.0	13.0	11.0	9.80
01616188	Hot Run tributary below Payne Spring at Route 11 at Stephenson, Va.	0.559	0.553	4.50	1.46	1.01	0.782	0.635	0.516
01616200	Clearbrook Run above wastewater outfall at Clearbrook, Va.	0.724	0.818	210	26.2	12.9	8.03	5.36	3.55
01620500	North River above Forest Road near Stokesville, Va.	1.04	0.861	250	61.0	35.0	24.0	17.0	12.0
01620690	North River at Route 727 near Bridgewater, Va.	0.641	0.711	722	139	71.0	44.1	29.4	20.2
01620836	Mossy Creek at Route 731 at Mt. Solon, Va.	0.908	1.16	--	--	24.5	11.6	6.38	3.66
01620850	Mossy Creek near Spring Creek, Va.	0.240	0.255	88.0	48.9	38.6	32.8	28.8	25.4

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft³/s)					
01484790	Nassawadox Creek at Route 606 near Nassawadox, Va.	1.01	0.710	0.498	0.298	0.135	--
01484800	Guy Creek at Route 606 near Nassawadox, Va.	0.410	0.300	0.220	0.140	0.070	0.000
01484855	North Branch Onancock Creek at Pine Street at Onancock, Va.	0.335	0.211	0.119	0.049	0.024	0.008
01605200	West Strait Creek at Monterey wastewater outfall at Monterey, Va.	0.403	0.325	0.268	0.221	0.198	0.162
01605500	South Branch Potomac River at Franklin, W.Va.	71.1	53.4	41.3	31.9	27.6	21.0
01607500	South Fork South Branch Potomac River at Brandywine, W.Va.	27.4	17.5	10.9	6.34	4.69	2.54
01613570	Back Creek at old Route 522 at Gainesboro, Va.	6.39	5.71	4.93	3.95	3.30	2.32
01613590	Isaacs Creek at Route 522 at Gainesboro, Va.	1.71	1.06	0.625	0.351	0.224	0.107
01613900	Hogue Creek at Route 614 near Hayfield, Va.	3.50	2.30	1.70	1.20	0.800	0.470
01614805	Opequon Creek at Route 622 at Opequon, Va.	0.941	0.764	0.613	0.491	0.418	0.324
01614820	Opequon Creek at old Route 628 near Opequon, Va.	3.46	2.80	2.32	2.01	1.81	1.49
01614830	Opequon Creek at Route 11 near Stephens City, Va.	4.50	3.40	2.50	2.00	1.60	1.00
01615000	Opequon Creek above Route 7 near Berryville, Va.	15.0	11.0	8.20	5.50	3.80	2.10
01615500	Abrams Creek at railroad bridge at Winchester, Va.	3.50	3.20	3.00	2.50	2.20	1.50
01615515	Old Town Spring at Winchester, Va.	0.474	0.440	0.418	0.396	0.381	0.342
01615518	Town Run tributary from Shawnee Spring at Winchester, Va.	1.05	0.989	0.947	0.906	0.879	0.804
01615522	Rouss Spring at Winchester, Va.	4.09	3.92	3.73	3.44	3.19	2.79
01616000	Abrams Creek above Route 659 near Winchester, Va.	15.0	13.0	11.0	9.40	8.20	6.80
01616074	Redbud Run at private drive above Fay Spring near Winchester, Va.	3.26	2.74	2.25	1.71	1.37	1.01
01616075	Fay Spring near Winchester, Va.	1.00	0.913	0.770	0.690	0.690	0.659
01616100	Dry Marsh Run at Route 645 near Berryville, Va.	7.70	6.00	4.40	3.00	2.10	1.60
01616188	Hot Run tributary below Payne Spring at Route 11 at Stephenson, Va.	0.410	0.315	0.228	0.142	0.098	0.040
01616200	Clearbrook Run above wastewater outfall at Clearbrook, Va.	2.33	1.60	1.06	0.670	0.471	0.263
01620500	North River above Forest Road near Stokesville, Va.	7.90	4.50	2.20	1.10	0.630	0.300
01620690	North River at Route 727 near Bridgewater, Va.	13.5	9.06	6.38	4.61	3.79	3.07
01620836	Mossy Creek at Route 731 at Mt. Solon, Va.	2.12	1.25	0.761	0.452	0.272	0.124
01620850	Mossy Creek near Spring Creek, Va.	22.3	19.5	16.9	14.7	13.4	11.7

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
01621000	Dry River at Route 847 at Rawley Springs, Va.	1.29	1.03	770	180	106	60.0	40.0	31.0
01621050	Muddy Creek at Route 726 at Mount Clinton, Va.	0.729	0.653	82.0	22.0	15.0	11.0	8.00	5.90
01621100	Muddy Creek at Route 33 at Hinton, Va.	0.665	0.594	71.7	26.0	18.9	15.5	12.7	10.2
01621200	War Branch at Route 33 near Hinton, Va.	0.875	0.930	210	24.6	10.4	5.72	3.56	2.27
01621280	Muddy Creek at Route 737 near Hinton, Va.	0.435	0.462	163	56.1	36.6	27.2	21.5	17.2
01621300	Dry River at Route 257 at Bridgewater, Va.	0.488	0.704	--	--	99.9	65.0	45.1	29.8
01621305	Dry River at mouth at Bridgewater, Va.	0.669	0.711	--	--	116	73.5	51.1	36.2
01621315	North River at Route 42 at Bridgewater, Va.	0.752	0.649	434	195	135	101	77.4	58.3
01621320	Long Glade Creek at Route 613 near Moscow, Va.	0.708	0.835	78.6	7.29	3.91	2.72	2.02	1.51
01621340	Long Glade Creek at Route 42 at Bridgewater, Va.	0.929	1.08	664	42.7	15.0	7.43	4.24	2.53
01621390	Cooks Creek at Route 11 near Mt. Crawford, Va.	0.362	0.410	74.9	26.5	18.5	14.6	12.0	9.73
01621410	Blacks Run at Route 726 at Harrisonburg, Va.	0.338	0.553	52.3	8.40	3.90	2.60	2.10	1.70
01621470	Blacks Run at Route 704 near Mt. Crawford, Va.	0.310	0.442	59.9	16.0	9.20	7.10	5.70	4.90
01621600	Pleasant Run near Route 867 at Mt. Crawford, Va.	0.380	0.429	22.0	7.41	5.10	3.98	3.22	2.59
01622000	North River along Route 693 near Burketown, Va.	0.510	0.542	2,900	830	503	355	269	207
01622465	Middle River at Route 250 near Churchville, Va.	0.387	0.493	535	145	89.7	65.3	50.5	39.8
01622468	Jennings Branch at Whites Store above Stoutameyer Branch near Lone Fountain, Va.	1.59	1.71	--	--	100	34.4	13.4	5.42
01623000	Bell Creek at St. Pauls Chapel, near Staunton, Va.	--	0.500	1.00	0.300	0.100	0.000	0.000	0.000
01623500	Bell Creek along Route 612 near Staunton, Va.	--	0.589	2.74	0.400	0.200	0.000	0.000	0.000
01624000	Bell Creek at Route 732 at Franks Mill near Staunton, Va.	0.903	0.680	18.0	4.20	2.50	1.61	1.20	0.800
01624175	Elk Run at Route 835 near Parnassus, Va.	0.667	0.821	68.2	7.58	3.46	1.96	1.30	0.880
01624300	Middle River at Route 742 near Verona, Va.	0.364	0.470	1,326	365	234	169	132	104
01624350	Middle River above Staunton-Verona wastewater outfall above Lewis Creek near Verona, Va.	0.418	0.531	--	--	282	200	152	118
01624550	Lewis Creek at Route 612 above mouth near Verona, Va.	0.384	0.407	55.2	25.7	20.3	17.5	15.1	12.9
01624800	Christians Creek at Route 794 near Fishersville, Va.	0.378	0.470	601	132	87.0	66.0	53.0	43.0
01624880	Meadow Run at Woodlawn Village wastewater outfall near Hermitage, Va.	0.395	0.472	68.5	19.9	12.8	9.54	7.50	5.77
01624940	Middle River tributary 3 at Mount Sidney, Va.	0.743	0.665	6.97	1.83	1.24	0.901	0.652	0.478
01625000	Middle River at Route 769 near Grottoes, Va.	0.363	0.461	2,150	635	404	300	236	189

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		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft³/s)					
01621000	Dry River at Route 847 at Rawley Springs, Va.	22.0	15.2	5.40	1.60	0.500	0.300
01621050	Muddy Creek at Route 726 at Mount Clinton, Va.	4.10	2.90	2.00	1.10	0.760	0.450
01621100	Muddy Creek at Route 33 at Hinton, Va.	7.86	5.83	4.06	2.22	1.20	0.544
01621200	War Branch at Route 33 near Hinton, Va.	1.40	0.865	0.513	0.303	0.219	0.135
01621280	Muddy Creek at Route 737 near Hinton, Va.	13.5	10.6	8.20	6.31	5.37	4.23
01621300	Dry River at Route 257 at Bridgewater, Va.	22.8	16.4	12.4	9.68	7.62	5.55
01621305	Dry River at mouth at Bridgewater, Va.	25.0	17.3	11.6	7.76	6.06	4.19
01621315	North River at Route 42 at Bridgewater, Va.	44.3	31.2	20.1	10.3	6.02	2.59
01621320	Long Glade Creek at Route 613 near Moscow, Va.	1.11	0.799	0.526	0.296	0.169	0.044
01621340	Long Glade Creek at Route 42 at Bridgewater, Va.	1.50	0.894	0.518	0.298	0.200	0.106
01621390	Cooks Creek at Route 11 near Mt. Crawford, Va.	7.89	6.53	5.31	4.22	3.54	2.64
01621410	Blacks Run at Route 726 at Harrisonburg, Va.	1.50	1.20	0.934	0.780	0.700	0.548
01621470	Blacks Run at Route 704 near Mt. Crawford, Va.	4.10	3.50	3.00	2.40	2.00	1.41
01621600	Pleasant Run near Route 867 at Mt. Crawford, Va.	2.08	1.71	1.37	1.08	0.898	0.661
01622000	North River along Route 693 near Burkettown, Va.	156	118	87.0	64.0	53.0	40.0
01622465	Middle River at Route 250 near Churchville, Va.	31.6	25.2	20.4	16.3	13.2	9.42
01622468	Jennings Branch at Whites Store above Stoutameyer Branch near Lone Fountain, Va.	2.22	0.831	0.341	0.140	0.085	0.033
01623000	Bell Creek at St. Pauls Chapel, near Staunton, Va.	0.000	0.000	0.000	0.000	0.000	0.000
01623500	Bell Creek along Route 612 near Staunton, Va.	0.000	0.000	0.000	0.000	0.000	0.000
01624000	Bell Creek at Route 732 at Franks Mill near Staunton, Va.	0.600	0.400	0.300	0.100	0.100	0.000
01624175	Elk Run at Route 835 near Parnassus, Va.	0.585	0.390	0.266	0.189	0.145	0.088
01624300	Middle River at Route 742 near Verona, Va.	84.0	68.0	54.0	45.0	37.0	30.0
01624350	Middle River above Staunton-Verona wastewater outfall above Lewis Creek near Verona, Va.	91.5	71.7	57.1	44.9	35.6	24.8
01624550	Lewis Creek at Route 612 above mouth near Verona, Va.	11.0	9.41	7.79	5.34	3.99	1.52
01624800	Christians Creek at Route 794 near Fishersville, Va.	35.0	28.0	23.0	18.0	16.0	12.0
01624880	Meadow Run at Woodlawn Village wastewater outfall near Hermitage, Va.	4.36	3.42	2.74	2.33	2.05	1.64
01624940	Middle River tributary 3 at Mount Sidney, Va.	0.330	0.232	0.159	0.086	0.059	0.035
01625000	Middle River at Route 769 near Grottoes, Va.	152	123	101	82.0	67.0	49.0

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				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
01625200	Mill Creek at Route 671 near Port Republic, Va.	0.415	0.469	42.0	12.8	8.49	6.47	5.14	4.05
01625847	South River at wastewater outfall at Stuarts Draft, Va.	0.776	0.695	428	105	70.2	50.5	36.0	26.0
01625900	Back Creek at Route 624 at Lyndhurst, Va.	--	0.624	541	117	60.0	40.0	30.0	22.0
01626000	South River at Route 664 near Waynesboro, Va.	0.406	0.485	1,070	301	190	141	110	84.0
01626500	South River (at Basic City) at Lyndhurst Road at Waynesboro, Va.	0.407	0.451	958	283	187	143	114	92.0
01626850	South River at Hopeman Parkway near Dooms, Va.	0.333	0.431	1,545	388	251	190	154	127
01626900	Sawmill Run at Route 611 near Dooms, Va.	1.25	1.17	87.1	14.3	8.04	5.65	4.20	3.00
01627100	Meadow Run at Fire Road near Crimora, Va.	0.713	0.853	126	13.5	6.04	3.58	2.31	1.44
01627400	Paine Run below Route 614 near Harriston, Va.	0.995	0.969	132	20.0	9.20	5.10	2.96	1.80
01627500	South River at Route 778 at Harriston, Va.	0.358	0.450	1,790	490	318	241	192	155
01628060	White Oak Run 0.15 miles above mouth near Grottoes, Va.	--	0.875	35.9	6.40	3.20	1.90	1.10	0.650
01628080	Madison Run along Madison Run Road near Grottoes, Va.	0.872	0.772	59.6	14.6	8.45	5.69	3.92	2.76
01628150	Deep Run 0.5 miles above Route 708 near Grottoes, Va.	0.954	0.847	11.0	2.80	1.50	0.910	0.560	0.360
01628500	South Fork Shenandoah River below Lower Lewis Run near Lynnwood, Va.	0.411	0.479	7,102	2,110	1,330	974	760	605
01628585	Cub Run at Route 33 at Penn Laird, Va.	0.410	0.386	23.4	12.0	9.21	7.75	6.77	5.80
01628590	Cub Run tributary 2 above Lawyer Road wastewater outfall at Penn Laird, Va.	0.853	0.763	3.67	0.788	0.504	0.350	0.242	0.169
01628630	Cub Run at Route 650 at Rocky Bar near Island Ford, Va.	1.25	1.10	120	23.4	12.8	8.23	5.53	3.60
01628700	Twomile Run at Park Road near McGaheysville, Va.	0.924	0.902	36.8	6.09	3.25	2.01	1.26	0.772
01628800	South Fork Shenandoah River near Elkton, Va.	0.394	0.463	7,423	2,333	1,519	1,116	874	693
01628900	Hawksbill Creek tributary at Route 626 near Swift Run, Va.	0.719	0.666	7.83	2.33	1.52	1.11	0.861	0.660
0162906760	Quail Run at Route 646 near McGaheysville, Va.	0.588	0.508	12.4	5.00	3.53	2.75	2.15	1.69
0162909150	Boone Run at Route 636 near Elkton, Va.	0.766	0.900	293	30.9	13.4	7.35	4.57	2.91
01629120	East Branch Naked Creek along East Branch Naked Creek Trail near Jollett, Va.	0.678	0.835	230	24.6	11.1	6.22	4.09	2.75
01629500	South Fork Shenandoah River at Route 211 near Luray, Va.	0.373	0.460	9,544	2,790	1,800	1,310	1,040	836
01629920	Little Hawksbill Creek tributary at Big Fill Hollow near Ida, Va.	0.867	0.871	23.2	3.52	1.96	1.32	0.939	0.677
01630540	Hawksbill Creek at Route 648 at Springfield, Va.	0.326	0.410	482	148	99.7	77.4	63.0	51.8
01630542	Pass Run at Route 669 near Thornton Gap, Va.	0.587	0.702	51.8	8.24	4.25	2.76	1.93	1.30
01630544	Pass Run at mouth near Springfield, Va.	0.511	0.583	134	33.8	19.5	13.4	9.85	7.24

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		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
01625200	Mill Creek at Route 671 near Port Republic, Va.	3.19	2.57	2.02	1.56	1.27	0.911
01625847	South River at wastewater outfall at Stuarts Draft, Va.	17.7	12.2	8.23	4.36	2.94	1.68
01625900	Back Creek at Route 624 at Lyndhurst, Va.	16.0	9.40	4.00	0.000	0.000	0.000
01626000	South River at Route 664 near Waynesboro, Va.	63.0	49.0	39.0	33.0	29.0	23.0
01626500	South River (at Basic City) at Lyndhurst Road at Waynesboro, Va.	74.0	58.0	45.0	36.0	32.0	26.0
01626850	South River at Hopeman Parkway near Dooms, Va.	101	82.0	69.0	59.0	55.0	50.0
01626900	Sawmill Run at Route 611 near Dooms, Va.	1.87	1.14	0.584	0.167	0.055	0.004
01627100	Meadow Run at Fire Road near Crimora, Va.	0.868	0.558	0.374	0.279	0.222	0.148
01627400	Paine Run below Route 614 near Harriston, Va.	1.02	0.566	0.310	0.182	0.134	0.076
01627500	South River at Route 778 at Harriston, Va.	125	101	82.0	68.0	59.0	45.0
01628060	White Oak Run 0.15 miles above mouth near Grottoes, Va.	0.340	0.130	0.050	0.000	0.000	0.000
01628080	Madison Run along Madison Run Road near Grottoes, Va.	1.77	1.09	0.659	0.371	0.269	0.140
01628150	Deep Run 0.5 miles above Route 708 near Grottoes, Va.	0.160	0.090	0.050	0.040	0.030	0.030
01628500	South Fork Shenandoah River below Lower Lewis Run near Lynnwood, Va.	480	382	300	235	197	149
01628585	Cub Run at Route 33 at Penn Laird, Va.	4.93	4.08	3.21	2.26	1.75	0.916
01628590	Cub Run tributary 2 above Lawyer Road wastewater outfall at Penn Laird, Va.	0.111	0.074	0.048	0.024	0.015	0.008
01628630	Cub Run at Route 650 at Rocky Bar near Island Ford, Va.	2.25	1.28	0.643	0.203	0.084	0.014
01628700	Twomile Run at Park Road near McGaheysville, Va.	0.418	0.269	0.158	0.092	0.061	0.030
01628800	South Fork Shenandoah River near Elkton, Va.	551	436	348	280	238	181
01628900	Hawksbill Creek tributary at Route 626 near Swift Run, Va.	0.491	0.341	0.221	0.126	0.077	0.033
0162906760	Quail Run at Route 646 near McGaheysville, Va.	1.32	0.967	0.664	0.438	0.343	0.240
0162909150	Boone Run at Route 636 near Elkton, Va.	1.86	1.18	0.764	0.499	0.363	0.214
01629120	East Branch Naked Creek along East Branch Naked Creek Trail near Jollett, Va.	1.81	1.20	0.815	0.577	0.440	0.263
01629500	South Fork Shenandoah River at Route 211 near Luray, Va.	665	530	428	354	305	230
01629920	Little Hawksbill Creek tributary at Big Fill Hollow near Ida, Va.	0.476	0.309	0.190	0.092	0.048	0.014
01630540	Hawksbill Creek at Route 648 at Springfield, Va.	42.6	35.1	29.0	24.4	21.5	16.8
01630542	Pass Run at Route 669 near Thornton Gap, Va.	0.859	0.597	0.429	0.337	0.280	0.200
01630544	Pass Run at mouth near Springfield, Va.	5.31	3.94	3.01	2.23	1.81	1.30

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
01630585	Jeremys Run at Route 611 near Oak Hill, Va.	1.92	1.76	--	--	32.6	16.1	8.47	4.34
01630620	Overall Run off Overall Run Trail near Bentonville, Va.	0.815	1.05	441	15.0	5.16	2.61	1.56	0.975
01630649	Phils Arm Run above Route 631 near Browntown, Va.	1.01	0.952	25.9	4.95	2.58	1.68	1.21	0.825
01630680	Lands Run at Lands Run Road near Browntown, Va.	0.769	0.756	17.0	4.44	2.84	2.09	1.59	1.18
01630700	Gooney Run at Route 622 near Glen Echo, Va.	1.20	0.848	213	75.0	46.0	33.0	26.0	22.0
01631000	South Fork Shenandoah River below Route 619 at Front Royal, Va.	0.392	0.461	10,100	3,189	2,080	1,530	1,200	952
01631500	North Fork Shenandoah River at Route 917 at Fulks Run, Va.	1.20	1.26	--	--	239	118	62.9	31.6
01632000	North Fork Shenandoah River above Route 259 at Cootes Store, Va.	1.12	0.978	2,190	430	232	147	97.0	63.0
01632080	Linville Creek at Route 786 at Broadway, Va.	1.11	1.29	--	--	161	69.3	35.4	19.1
01632082	Linville Creek below Route 786 at Broadway, Va.	0.434	0.543	328	78.0	48.0	33.0	25.0	19.0
01632300	Long Meadow (Long Glade) at Route 259 near Broadway, Va.	1.40	1.60	--	--	20.2	7.27	3.13	1.35
01632825	Fridley Run at Fridley Gap near Lacy Spring, Va.	0.492	0.487	8.47	3.14	2.27	1.82	1.51	1.26
01632833	Mountain Run at Route 620 near Lacy Spring, Va.	0.349	0.367	20.8	9.04	6.57	5.35	4.46	3.65
01632890	Smith Creek at Route 794 near Lacey Spring, Va.	0.342	0.399	307	112	75.9	58.6	47.6	39.4
01632900	Smith Creek at Route 616 near New Market, Va.	0.457	0.517	565	152	97.0	72.0	55.8	43.0
01633000	North Fork Shenandoah River at Route 698 at Mt. Jackson, Va.	0.635	0.648	3,687	864	520	363	263	190
01633100	Stony Creek tributary at Route 263 at Orkney Springs, Va.	0.630	0.669	4.93	1.05	0.566	0.368	0.261	0.189
01633485	Stony Creek along Route 717 near Liberty Furnace, Va.	0.670	0.654	285	77.3	49.0	34.6	24.7	17.3
01633500	Stony Creek along Route 675 at Columbia Furnace, Va.	0.588	0.621	650	149	91.0	63.0	45.0	31.0
01633510	Swover Creek at Route 42 near Conicville, Va.	0.389	0.409	2.41	1.04	0.776	0.577	0.462	0.353
01633540	Stony Creek at Route 11 at Edinburg, Va.	0.385	0.404	337	135	94.8	75.5	61.8	49.6
01633730	Toms Brook at Route 11 at Toms Brook, Va.	0.708	0.745	123	22.6	11.8	7.79	5.38	3.59
01633745	Toms Brook at Route 747 near Toms Brook, Va.	0.547	0.660	151	25.4	13.8	9.54	6.98	5.28
01634000	North Fork Shenandoah River at Route 55 near Strasburg, Va.	0.460	0.525	4,440	1,280	779	557	422	320
01634340	Cedar Creek near Lebanon Church, Va.	0.655	0.668	572	128	75.8	52.3	37.5	26.8
01634500	Cedar Creek above Route 628 near Winchester, Va.	0.623	0.655	940	212	120	83.0	60.0	42.0
01635005	Fawcett Run below Marlboro Spring at Marlboro, Va.	0.279	0.333	24.4	10.2	7.45	6.07	5.12	4.25
01635008	Fawcett Run above mouth at Marlboro, Va.	0.276	0.330	23.2	9.77	7.15	5.84	4.93	4.11

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft³/s)					
01630585	Jeremys Run at Route 611 near Oak Hill, Va.	2.16	0.937	0.308	0.052	0.011	0.001
01630620	Overall Run off Overall Run Trail near Bentonville, Va.	0.557	0.334	0.219	0.149	0.126	0.100
01630649	Phils Arm Run above Route 631 near Browntown, Va.	0.552	0.346	0.190	0.080	0.043	0.009
01630680	Lands Run at Lands Run Road near Browntown, Va.	0.858	0.634	0.412	0.201	0.102	0.028
01630700	Gooney Run at Route 622 near Glen Echo, Va.	15.0	11.0	4.94	1.40	0.810	0.290
01631000	South Fork Shenandoah River below Route 619 at Front Royal, Va.	758	600	480	386	328	250
01631500	North Fork Shenandoah River at Route 917 at Fulks Run, Va.	15.5	7.56	3.80	1.99	1.26	0.563
01632000	North Fork Shenandoah River above Route 259 at Cootes Store, Va.	39.0	22.0	12.0	4.80	2.50	0.900
01632080	Linville Creek at Route 786 at Broadway, Va.	10.2	5.53	2.88	1.49	0.925	0.435
01632082	Linville Creek below Route 786 at Broadway, Va.	15.0	11.0	8.80	7.00	6.00	3.80
01632300	Long Meadow (Long Glade) at Route 259 near Broadway, Va.	0.576	0.254	0.121	0.054	0.030	0.012
01632825	Fridley Run at Fridley Gap near Lacy Spring, Va.	1.03	0.817	0.615	0.406	0.291	0.132
01632833	Mountain Run at Route 620 near Lacy Spring, Va.	2.97	2.41	1.97	1.63	1.43	1.13
01632890	Smith Creek at Route 794 near Lacey Spring, Va.	32.5	26.8	21.9	17.9	15.5	12.2
01632900	Smith Creek at Route 616 near New Market, Va.	33.0	26.0	20.0	15.0	12.0	8.30
01633000	North Fork Shenandoah River at Route 698 at Mt. Jackson, Va.	137	96.0	66.0	44.0	33.0	20.0
01633100	Stony Creek tributary at Route 263 at Orkney Springs, Va.	0.133	0.094	0.065	0.044	0.035	0.025
01633485	Stony Creek along Route 717 near Liberty Furnace, Va.	11.1	8.05	5.48	3.69	2.74	1.64
01633500	Stony Creek along Route 675 at Columbia Furnace, Va.	20.0	14.0	10.4	8.00	7.00	5.70
01633510	Swover Creek at Route 42 near Conicville, Va.	0.289	0.236	0.193	0.144	0.092	--
01633540	Stony Creek at Route 11 at Edinburg, Va.	39.5	31.4	25.2	20.5	17.7	13.7
01633730	Toms Brook at Route 11 at Toms Brook, Va.	2.36	1.54	1.03	0.703	0.537	0.334
01633745	Toms Brook at Route 747 near Toms Brook, Va.	4.16	3.03	2.25	1.50	1.03	0.564
01634000	North Fork Shenandoah River at Route 55 near Strasburg, Va.	242	185	145	111	92.0	68.0
01634340	Cedar Creek near Lebanon Church, Va.	19.2	13.3	9.02	5.94	4.41	2.63
01634500	Cedar Creek above Route 628 near Winchester, Va.	29.0	20.0	14.0	10.0	7.90	5.20
01635005	Fawcett Run below Marlboro Spring at Marlboro, Va.	3.49	2.94	2.51	2.24	2.05	1.75
01635008	Fawcett Run above mouth at Marlboro, Va.	3.38	2.85	2.44	2.17	1.99	1.70

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
01635045	Buffalo Marsh Run at Route 627 near Middletown, Va.	0.256	0.301	11.5	5.43	4.11	3.36	2.87	2.47
01635070	Vaucluse Spring near Middletown, Va.	0.179	0.225	7.84	4.33	3.54	3.03	2.70	2.41
01635090	Cedar Creek above Route 11 near Middletown, Va.	0.519	0.570	1,445	300	180	128	99.0	76.0
01635100	Cedar Creek at Route 635 near Strasburg, Va.	0.341	0.350	216	111	84.9	70.0	58.4	48.7
01635500	Passage Creek above Route 55 near Buckton, Va.	0.788	0.769	728	157	92.0	61.0	41.0	27.0
01636210	Happy Creek at Kerfoot Avenue at Front Royal, Va.	0.910	0.800	114	32.0	20.0	14.0	9.50	6.50
01636228	Crooked Run above Route 627 at Cedarville, Va.	0.304	0.347	19.7	8.66	6.24	5.00	4.16	3.47
01636240	Crooked Run at Route 340 at Riverton, Va.	0.455	0.457	76.1	28.3	20.8	16.9	14.1	11.9
01636242	Crooked Run below Route 340 at Riverton, Va.	0.523	0.647	320	48.0	28.0	21.0	16.0	11.0
01636266	Manassas Run at Route 79 near Linden, Va.	1.04	0.818	111	41.6	25.0	17.0	13.0	10.0
0163626650	Manassas Run at Route 645 near Front Royal, Va.	0.933	0.824	111	32.8	20.9	15.0	11.2	8.09
01636283	Wrights Branch tributary (Lions Club Springs) below Jeep trail near Stone Bridge, Va.	0.988	1.09	0.230	0.074	0.047	0.035	0.027	0.020
01636295	Roseville Run at Boyce wastewater outfall below Route 340 at Boyce, Va.	1.03	1.49	--	--	14.1	5.67	2.62	1.09
01636300	Westbrook Run at Route 340 near Boyce, Va.	0.374	0.393	6.62	2.71	1.93	1.54	1.27	1.03
01636316	Spout Run at Route 621 near Millwood, Va.	0.301	0.348	109	43.0	32.0	26.0	22.0	20.0
01636320	Giuliani Springs near Ashby Gap, Va.	0.778	0.818	0.753	0.117	0.058	0.036	0.024	0.016
01636330	Horsepen Springs near Briggs, Va.	--	0.241	1.20	0.684	0.450	0.390	0.330	0.300
01636336	Buck Marsh Run above Route 340 at Berryville, Va.	0.237	0.255	2.77	1.51	1.26	1.12	1.02	0.925
01636690	Piney Run at Route 671 near Lovettsville, Va.	0.773	0.795	122	30.0	20.0	15.0	11.0	7.70
01638350	South Fork Catoclin Creek at Route 698 near Waterford, Va.	0.778	0.791	335	77.0	45.0	32.0	24.0	18.0
01638420	North Fork Catoclin Creek at Route 681 bridge near Waterford, Va.	1.15	0.876	236	49.0	31.0	23.0	17.0	12.0
01638480	Catoclin Creek at Route 663 at Taylorstown, Va.	0.849	0.851	922	209	124	87.0	65.0	48.0
01643590	Limestone Branch at Route 15 near Leesburg, Va.	0.642	0.614	84.1	15.3	9.40	7.20	5.70	4.30
01643643	Goose Creek at Route 17 at Delaplane, Va.	0.978	0.998	1,333	143	65.4	37.6	22.9	13.9
01643700	Goose Creek at Route 611 near Middleburg, Va.	1.08	1.20	1,034	300	184	132	100	72.0
01643800	North Fork Goose Creek at Route 722 near Lincoln, Va.	1.01	0.952	292	55.8	29.1	19.0	13.6	9.31
01643805	North Fork Goose Creek at Route 729 near Lincoln, Va.	0.673	0.716	601	108	60.0	42.0	32.0	24.0
01643880	Beaverdam Creek at Route 734 near Mountville, Va.	1.75	0.869	517	112	68.0	48.0	37.0	25.0

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
01635045	Buffalo Marsh Run at Route 627 near Middletown, Va.	2.13	1.82	1.58	1.37	1.23	1.03
01635070	Vaucluse Spring near Middletown, Va.	2.19	1.92	1.75	1.60	1.50	1.24
01635090	Cedar Creek above Route 11 near Middletown, Va.	56.0	39.0	29.0	23.0	20.0	15.0
01635100	Cedar Creek at Route 635 near Strasburg, Va.	39.3	31.2	26.0	22.2	18.5	13.5
01635500	Passage Creek above Route 55 near Buckton, Va.	16.0	11.0	7.00	4.40	3.10	1.70
01636210	Happy Creek at Kerfoot Avenue at Front Royal, Va.	4.20	2.80	1.60	0.800	0.500	0.200
01636228	Crooked Run above Route 627 at Cedarville, Va.	2.88	2.41	2.05	1.72	1.52	1.24
01636240	Crooked Run at Route 340 at Riverton, Va.	9.89	7.89	6.11	4.18	2.98	1.54
01636242	Crooked Run below Route 340 at Riverton, Va.	8.30	6.10	4.70	3.30	2.40	1.30
01636266	Manassas Run at Route 79 near Linden, Va.	7.60	5.00	2.60	0.910	0.407	0.210
0163626650	Manassas Run at Route 645 near Front Royal, Va.	5.69	3.74	2.24	0.945	0.488	0.129
01636283	Wrights Branch tributary (Lions Club Springs) below Jeep trail near Stone Bridge, Va.	0.014	0.009	0.005	0.002	0.001	0.000
01636295	Roseville Run at Boyce wastewater outfall below Route 340 at Boyce, Va.	0.618	0.307	0.171	0.101	0.061	0.031
01636300	Westbrook Run at Route 340 near Boyce, Va.	0.822	0.657	0.531	0.434	0.377	0.293
01636316	Spout Run at Route 621 near Millwood, Va.	17.0	15.0	12.0	10.0	7.90	5.60
01636320	Giuliani Springs near Ashby Gap, Va.	0.010	0.006	0.004	0.003	0.002	0.001
01636330	Horsepen Springs near Briggs, Va.	0.264	0.220	0.000	0.000	0.000	0.000
01636336	Buck Marsh Run above Route 340 at Berryville, Va.	0.836	0.748	0.653	0.537	0.447	0.299
01636690	Piney Run at Route 671 near Lovettsville, Va.	5.40	3.40	2.10	1.30	0.774	0.130
01638350	South Fork Catoclin Creek at Route 698 near Waterford, Va.	13.0	8.80	5.40	3.00	1.50	0.397
01638420	North Fork Catoclin Creek at Route 681 bridge near Waterford, Va.	7.50	4.30	2.30	0.840	0.160	0.000
01638480	Catoclin Creek at Route 663 at Taylorstown, Va.	34.0	21.0	13.0	6.80	3.30	0.634
01643590	Limestone Branch at Route 15 near Leesburg, Va.	3.20	2.30	1.50	0.980	0.780	0.580
01643643	Goose Creek at Route 17 at Delaplane, Va.	8.39	4.85	2.72	1.46	0.937	0.434
01643700	Goose Creek at Route 611 near Middleburg, Va.	47.0	29.0	15.0	6.00	2.20	0.030
01643800	North Fork Goose Creek at Route 722 near Lincoln, Va.	6.23	3.91	2.15	0.907	0.485	0.098
01643805	North Fork Goose Creek at Route 729 near Lincoln, Va.	19.0	13.0	8.30	5.10	3.00	1.40
01643880	Beaverdam Creek at Route 734 near Mountville, Va.	15.0	6.70	2.70	0.440	0.000	0.000

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
01643988	Little River at Route 15 near Oatlands, Va.	0.859	0.786	347	83.3	53.0	38.7	29.1	21.6
01644000	Goose Creek above Route 621 near Leesburg, Va.	0.979	0.865	2,530	704	439	310	227	162
01644010	Black Branch tributary 1 at mouth near Watson, Va.	0.602	0.778	2.41	0.286	0.137	0.080	0.053	0.036
01644020	Black Branch tributary 2 near Watson, Va.	0.657	0.650	1.23	0.327	0.212	0.158	0.123	0.097
01644110	Sycolin Creek above mouth near Leesburg, Va.	0.724	0.706	117	28.5	17.5	12.0	8.31	5.66
01644133	Goose Creek at Route 7 near Ashburn, Va.	0.936	0.827	2,482	730	465	333	247	179
01644255	South Fork Broad Run at Route 621 at Arcola, Va.	1.12	1.11	73.6	7.72	3.70	2.23	1.47	0.968
01644280	Broad Run at Route 7 near Leesburg, Va.	0.623	0.777	1,726	230	103	66.0	46.0	34.0
01644290	Stave Run at Parking Lot Road at Reston, Va.	--	0.706	0.924	0.145	0.050	0.030	0.020	0.010
01644291	Stave Run below Parking Lot Road near Reston, Va.	--	0.767	1.70	0.280	0.090	0.050	0.030	0.020
01644295	Smilax Branch at Dulles Airport Road at Reston, Va.	1.26	0.756	4.90	0.760	0.460	0.330	0.250	0.180
01644300	Sugarland Run at Route 606 at Herndon, Va.	1.14	1.12	122	12.6	5.05	2.67	1.45	0.755
01645160	Nichols Run near Dranesville, Va.	0.331	0.420	21.8	7.18	4.75	3.63	2.91	2.38
01645704	Difficult Run above Fox Lake near Fairfax, Va.	0.467	0.592	78.4	17.5	10.4	7.93	6.28	5.23
01645750	South Fork Little Difficult Run at Fox Mill Road near Fairfax, Va.	0.673	0.655	10.6	2.51	1.61	1.21	0.957	0.761
01645762	South Fork Little Difficult Run above mouth near Vienna, Va.	1.14	0.900	82.3	12.3	6.49	4.17	2.78	1.85
01645784	Snakeden Branch at Soapstone Drive at Reston, Va.	0.392	0.561	17.2	2.58	1.20	0.900	0.740	0.690
01645800	Piney Branch above railroad at Vienna, Va.	0.660	0.776	4.53	0.651	0.317	0.189	0.125	0.085
01645888	Colvin Run tributary to tributary above Lake Anne at Reston, Va.	0.448	0.568	2.74	0.648	0.395	0.304	0.243	0.204
01645900	Colvin Run at Hunter Mill Road at Reston (near Herndon), Va.	0.341	0.402	15.8	5.03	3.73	3.14	2.72	2.36
01645950	Piney Run at Leesburg Pike at Reston, Va.	0.530	0.626	38.0	6.40	4.01	3.06	2.45	1.97
01646000	Difficult Run below Route 193 near Great Falls, Va.	0.466	0.550	512	107	71.0	56.0	46.0	38.0
01646200	Scott Run at Old Georgetown Pike near McLean, Va.	0.700	0.826	248	23.6	12.8	8.94	6.65	4.99
01646305	Dead Run at Whann Avenue near McLean, Va.	0.485	0.838	41.7	3.17	0.960	0.542	0.382	0.289
01646600	Pimmit Run at Great Falls Road near Falls Church, Va.	0.384	0.453	4.07	1.12	0.798	0.656	0.558	0.476
01646700	Pimmit Run below Kirby Road at Arlington, Va.	0.658	0.609	42.0	13.9	9.34	7.03	5.57	4.37
01652400	Long Branch at South Carlyn Springs Road at Arlington, Va.	1.18	1.50	399	8.85	2.39	1.19	0.660	0.416
01652500	Fourmile Run at Shirlington Road at Alexandria, Va.	0.344	0.594	217	35.0	15.0	10.0	7.80	6.40

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
01643988	Little River at Route 15 near Oatlands, Va.	15.8	10.9	6.62	2.98	1.51	0.501
01644000	Goose Creek above Route 621 near Leesburg, Va.	112	72.0	42.0	17.0	8.50	2.10
01644010	Black Branch tributary 1 at mouth near Watson, Va.	0.025	0.018	0.012	0.009	0.006	0.005
01644020	Black Branch tributary 2 near Watson, Va.	0.074	0.054	0.037	0.021	0.014	0.005
01644110	Sycolin Creek above mouth near Leesburg, Va.	3.50	2.48	1.64	1.07	0.775	0.446
01644133	Goose Creek at Route 7 near Ashburn, Va.	126	82.5	49.3	20.8	10.7	2.81
01644255	South Fork Broad Run at Route 621 at Arcola, Va.	0.612	0.361	0.189	0.074	0.035	0.006
01644280	Broad Run at Route 7 near Leesburg, Va.	26.0	19.0	13.0	8.10	4.50	2.45
01644290	Stave Run at Parking Lot Road at Reston, Va.	0.010	0.000	0.000	0.000	0.000	0.000
01644291	Stave Run below Parking Lot Road near Reston, Va.	0.010	0.010	0.000	0.000	0.000	0.000
01644295	Smilax Branch at Dulles Airport Road at Reston, Va.	0.120	0.060	0.030	0.010	0.000	0.000
01644300	Sugarland Run at Route 606 at Herndon, Va.	0.351	0.170	0.096	0.054	0.041	0.025
01645160	Nichols Run near Dranesville, Va.	1.95	1.61	1.34	1.11	0.925	0.695
01645704	Difficult Run above Fox Lake near Fairfax, Va.	4.33	3.53	2.73	1.79	1.17	0.362
01645750	South Fork Little Difficult Run at Fox Mill Road near Fairfax, Va.	0.582	0.432	0.293	0.162	0.100	0.039
01645762	South Fork Little Difficult Run above mouth near Vienna, Va.	1.29	0.783	0.443	0.136	0.051	--
01645784	Snakeden Branch at Soapstone Drive at Reston, Va.	0.570	0.490	0.380	0.280	0.200	0.120
01645800	Piney Branch above railroad at Vienna, Va.	0.058	0.039	0.027	0.019	0.014	0.009
01645888	Colvin Run tributary to tributary above Lake Anne at Reston, Va.	0.170	0.140	0.109	0.073	0.048	0.016
01645900	Colvin Run at Hunter Mill Road at Reston (near Herndon), Va.	2.04	1.74	1.42	1.08	0.824	0.430
01645950	Piney Run at Leesburg Pike at Reston, Va.	1.56	1.22	0.894	0.580	0.382	0.139
01646000	Difficult Run below Route 193 near Great Falls, Va.	31.0	25.0	19.0	13.0	9.00	3.70
01646200	Scott Run at Old Georgetown Pike near McLean, Va.	3.68	2.66	1.76	0.996	0.573	0.151
01646305	Dead Run at Whann Avenue near McLean, Va.	0.227	0.181	0.138	0.095	0.064	0.031
01646600	Pimmit Run at Great Falls Road near Falls Church, Va.	0.403	0.337	0.269	0.197	0.145	0.070
01646700	Pimmit Run below Kirby Road at Arlington, Va.	3.33	2.38	1.61	0.959	0.612	0.279
01652400	Long Branch at South Carlyn Springs Road at Arlington, Va.	0.257	0.154	0.080	0.027	0.009	0.000
01652500	Fourmile Run at Shirlington Road at Alexandria, Va.	5.40	4.60	3.80	2.90	2.20	1.30

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
01652600	Holmes Run at Route 50 at Merrifield, Va.	0.927	1.18	138	7.00	2.51	1.46	0.917	0.639
01652610	Holmes Run at Sleepy Hollow Road near Annandale, Va.	0.969	1.23	242	10.7	3.66	2.08	1.28	0.876
01652620	Tripps Run above South Washington Street at Falls Church, Va.	1.03	1.31	302	10.9	3.50	1.91	1.14	0.763
01652645	Tripps Run tributary at Holmes Run Road near Falls Church, Va.	0.328	0.387	69.7	23.1	17.3	14.7	12.8	11.2
01652650	Tripps Run at Sleepy Hollow Road near Falls Church, Va.	0.869	1.03	427	23.0	10.7	6.88	4.77	3.34
01652690	Holmes Run above Route 236 at Alexandria, Va.	0.771	0.978	518	43.4	18.5	11.8	8.01	5.93
01652710	Backlick Run at Leesville Boulevard at Springfield, Va.	0.924	1.17	138	7.06	2.54	1.48	0.931	0.650
01652910	Backlick Run below South Van Dorn Street at Alexandria, Va.	0.487	0.482	27.5	10.3	7.47	5.99	4.99	4.16
01653000	Cameron Run below railroad bridge at Alexandria, Va.	0.523	0.622	415	76.0	38.0	26.0	20.0	16.0
01653210	Pike Branch at Route 611 at Alexandria, Va.	1.04	0.984	247	35.5	19.2	12.2	7.97	5.02
01653410	Taylor Run above Route 236 at Alexandria, Va.	0.528	0.913	83.5	5.04	1.37	0.735	0.502	0.370
01653447	Penn Daw outfall at Huntington Avenue at Alexandria, Va.	0.317	0.290	0.648	0.383	0.324	0.289	0.260	0.233
01653700	Little Hunting Creek at Route 1 at Gum Springs, Va.	1.18	0.870	46.7	7.22	3.82	2.68	1.91	1.30
01653800	Dogue Creek at Route 1 near Accotink, Va.	0.650	0.775	132	13.9	7.52	5.30	4.07	3.12
01653900	Accotink Creek at Pickett Street at Fairfax, Va.	1.25	1.14	1,221	136	63.7	38.4	25.0	16.7
01653950	Long Branch at Lee Route at Vienna, Va.	0.960	1.22	55.6	2.54	0.877	0.500	0.309	0.213
01654000	Accotink Creek above Route 620 near Annandale, Va.	0.574	0.728	335	52.8	28.0	20.0	15.0	12.0
01654500	Long Branch (Little Run) at Route 620 near Annandale, Va.	0.477	0.665	50.2	7.80	5.30	4.50	3.40	2.70
01654650	Rocky Branch at mouth at Springfield, Va.	0.735	0.932	16.4	1.54	0.685	0.445	0.308	0.231
01654750	Accotink Creek at Hooes Road near Springfield, Va.	1.10	1.03	450	124	75.5	51.1	36.5	26.8
01655000	Accotink Creek at Army Engineer Road near Accotink Station, Va.	0.602	0.697	410	69.0	45.0	35.0	26.0	20.0
01655140	Accotink Creek at Telegraph Road near Accotink, Va.	0.582	0.739	535	82.3	43.3	30.8	23.0	18.3
01655310	Rabbit Branch at Guinea Road near Burke, Va.	0.627	0.796	45.8	6.10	3.05	2.11	1.54	1.21
01655330	Sideburn Branch at Poburn Road near Fairfax Station, Va.	0.581	0.685	36.4	5.17	3.10	2.30	1.80	1.42
01655340	Pohick Creek tributary at Keene Mill Road near Burke, Va.	0.709	0.899	13.2	1.35	0.616	0.407	0.285	0.217
01655350	Pohick Creek at Hooes Road near Springfield, Va.	1.15	1.13	1,705	199	89.2	52.3	32.1	19.4
01655370	Middle Run at Route 640 near Lorton, Va.	1.18	1.15	367	40.6	17.8	10.3	6.24	3.73
01655380	South Run at Hooes Road near Lorton, Va.	0.954	0.934	105	17.8	9.13	5.86	3.91	2.58

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
01652600	Holmes Run at Route 50 at Merrifield, Va.	0.438	0.293	0.176	0.076	0.033	0.003
01652610	Holmes Run at Sleepy Hollow Road near Annandale, Va.	0.591	0.387	0.228	0.094	0.039	0.003
01652620	Tripps Run above South Washington Street at Falls Church, Va.	0.502	0.320	0.182	0.071	0.028	0.002
01652645	Tripps Run tributary at Holmes Run Road near Falls Church, Va.	9.67	8.31	6.85	5.24	4.04	2.16
01652650	Tripps Run at Sleepy Hollow Road near Falls Church, Va.	2.28	1.53	0.916	0.451	0.227	0.043
01652690	Holmes Run above Route 236 at Alexandria, Va.	4.34	3.10	2.03	1.01	0.499	0.072
01652710	Backlick Run at Leesville Boulevard at Springfield, Va.	0.446	0.298	0.180	0.077	0.033	0.003
01652910	Backlick Run below South Van Dorn Street at Alexandria, Va.	3.41	2.71	2.05	1.36	0.976	0.446
01653000	Cameron Run below railroad bridge at Alexandria, Va.	12.0	9.70	7.00	4.80	3.80	2.20
01653210	Pike Branch at Route 611 at Alexandria, Va.	3.18	2.01	1.15	0.453	0.238	0.075
01653410	Taylor Run above Route 236 at Alexandria, Va.	0.285	0.223	0.166	0.110	0.072	0.032
01653447	Penn Daw outfall at Huntington Avenue at Alexandria, Va.	0.207	0.181	0.151	0.112	0.087	0.058
01653700	Little Hunting Creek at Route 1 at Gum Springs, Va.	0.852	0.510	0.257	0.086	0.042	--
01653800	Dogue Creek at Route 1 near Accotink, Va.	2.33	1.71	1.22	0.698	0.416	0.128
01653900	Accotink Creek at Pickett Street at Fairfax, Va.	10.4	5.93	2.74	0.938	0.427	0.086
01653950	Long Branch at Lee Route at Vienna, Va.	0.144	0.095	0.056	0.023	0.010	0.001
01654000	Accotink Creek above Route 620 near Annandale, Va.	9.50	7.40	5.40	3.20	1.90	0.450
01654500	Long Branch (Little Run) at Route 620 near Annandale, Va.	2.10	1.60	1.30	0.900	0.500	0.100
01654650	Rocky Branch at mouth at Springfield, Va.	0.172	0.125	0.083	0.043	0.022	0.003
01654750	Accotink Creek at Hooes Road near Springfield, Va.	18.9	11.7	6.31	2.14	0.809	0.077
01655000	Accotink Creek at Army Engineer Road near Accotink Station, Va.	15.0	11.0	8.20	5.00	3.00	0.800
01655140	Accotink Creek at Telegraph Road near Accotink, Va.	14.5	11.2	8.15	4.80	2.83	0.656
01655310	Rabbit Branch at Guinea Road near Burke, Va.	0.936	0.713	0.505	0.285	0.161	0.033
01655330	Sideburn Branch at Poburn Road near Fairfax Station, Va.	1.10	0.843	0.599	0.373	0.236	0.078
01655340	Pohick Creek tributary at Keene Mill Road near Burke, Va.	0.162	0.119	0.081	0.042	0.022	0.004
01655350	Pohick Creek at Hooes Road near Springfield, Va.	11.3	6.36	3.48	1.37	0.730	0.141
01655370	Middle Run at Route 640 near Lorton, Va.	2.14	1.19	0.641	0.246	0.129	0.024
01655380	South Run at Hooes Road near Lorton, Va.	1.65	1.02	0.620	0.286	0.170	0.043

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
01655390	Pohick Creek at Lorton Road at Lorton, Va.	1.36	1.00	1,295	151	72.4	48.0	32.5	20.9
01655500	Cedar Run at Route 672 near Warrenton, Va.	0.887	1.000	104	28.0	17.0	11.0	8.10	5.40
01655925	Licking Run at Route 616 near Calverton, Va.	1.93	1.58	1,643	51.1	17.0	8.11	4.22	1.96
01656000	Cedar Run at Route 806 near Catlett, Va.	1.15	1.18	1,090	190	100	64.0	42.0	28.0
01656100	Cedar Run at Route 611 near Aden, Va.	1.22	1.03	2,735	330	169	111	73.0	48.0
01656102	Goslin Run at Marine Road near Aden, Va.	--	0.898	121	25.0	12.0	6.90	4.00	2.30
01656120	Cedar Run at Route 646 near Aden, Va.	1.31	1.06	2,306	373	197	122	78.0	49.0
01656200	Broad Run at Route 17 near Warrenton, Va.	1.24	1.09	36.7	7.30	4.02	2.59	1.75	1.14
01656500	Broad Run at Route 29 at Buckland, Va.	0.789	0.743	456	105	66.0	47.0	34.0	24.0
01656650	Broad Run at Route 619 near Bristow, Va.	0.828	0.828	1,062	200	112	75.0	52.0	35.0
0165665450	Broad Run tributary 2 inflow near Manassas, Va.	1.99	1.85	65.8	3.75	1.50	0.858	0.536	0.315
0165665455	Broad Run tributary 2 outflow near Manassas, Va.	1.85	1.90	72.2	4.28	1.52	0.737	0.373	0.193
01656659	Kettle Run at Route 619 at Brentsville, Va.	1.75	1.80	1,047	72.5	27.2	13.7	7.22	3.89
01656670	Broad Run at Route 692 at Brentsville, Va.	1.12	1.18	--	--	366	177	92.5	46.6
01656700	Occoquan River (Creek) below Route 234 near Manassas, Va.	1.02	0.924	5,322	803	406	264	180	127
01656705	Black Branch at Route 15 near Haymarket, Va.	1.19	0.896	31.1	5.81	3.24	2.16	1.59	1.12
01656725	Bull Run at Route 705 near Catharpin, Va.	1.38	1.04	441	63.0	32.0	20.0	14.0	9.30
01656903	Flatlick Branch above Frog Branch at Chantilly, Va.	1.07	0.881	161	23.2	12.6	8.32	5.77	3.76
01656960	Cub Run at Route 658 near Bull Run, Va.	0.824	0.898	759	112	50.0	29.0	19.0	14.0
01657000	Bull Run at Route 616 near Manassas, Va.	1.05	1.03	2,148	302	145	89.0	57.0	36.0
01657020	Bull Run at Route 28 near Manassas Park, Va.	0.496	0.629	1,506	283	141	95.6	64.0	47.0
01657415	Bull Run above Yates Ford near Clifton, Va.	0.699	0.736	3,075	471	235	150	102	75.0
01657500	Occoquan River (Creek) near Occoquan (site now in Occoquan Reservoir), Va.	0.709	0.734	5,479	1,020	533	356	252	174
01657600	Sandy Run at Henderson Road near Fairfax Station, Va.	1.01	1.04	51.9	11.1	6.30	4.25	2.93	2.05
01657655	Hooes Run above Route 641 near Occoquan, Va.	1.12	0.975	60.5	10.0	5.44	3.80	2.90	2.10
01657800	Giles Run at Route 1 near Woodbridge, Va.	0.901	0.825	101	22.5	14.0	10.1	7.45	5.45
01657850	Neabsco Creek at Delaney Road (Route 610) at Dale City, Va.	0.749	0.709	61.7	16.0	8.96	6.00	4.62	3.70
01657865	Neabsco Creek tributary above Prince William Parkway at Dale City, Va.	0.677	0.859	6.46	0.733	0.347	0.233	0.166	0.128

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
01655390	Pohick Creek at Lorton Road at Lorton, Va.	12.8	7.11	3.23	0.918	0.400	--
01655500	Cedar Run at Route 672 near Warrenton, Va.	3.60	2.40	1.50	0.700	0.214	0.020
01655925	Licking Run at Route 616 near Calverton, Va.	1.08	0.393	0.111	0.023	0.004	--
01656000	Cedar Run at Route 806 near Catlett, Va.	16.0	9.39	5.20	2.00	0.860	0.040
01656100	Cedar Run at Route 611 near Aden, Va.	28.0	15.0	6.84	2.90	1.60	0.760
01656102	Goslin Run at Marine Road near Aden, Va.	1.20	0.590	0.120	0.000	0.000	0.000
01656120	Cedar Run at Route 646 near Aden, Va.	25.4	10.0	4.10	2.40	1.60	0.731
01656200	Broad Run at Route 17 near Warrenton, Va.	0.716	0.410	0.208	0.066	0.028	0.005
01656500	Broad Run at Route 29 at Buckland, Va.	17.0	12.0	7.90	3.90	2.40	1.00
01656650	Broad Run at Route 619 near Bristow, Va.	22.0	13.0	8.40	5.20	2.60	1.40
0165665450	Broad Run tributary 2 inflow near Manassas, Va.	0.149	0.067	0.023	0.003	0.001	0.000
0165665455	Broad Run tributary 2 outflow near Manassas, Va.	0.078	0.033	0.013	0.003	0.001	0.000
01656659	Kettle Run at Route 619 at Brentsville, Va.	1.65	0.732	0.297	0.069	0.019	0.000
01656670	Broad Run at Route 692 at Brentsville, Va.	22.5	11.2	5.99	3.54	2.61	1.72
01656700	Occoquan River (Creek) below Route 234 near Manassas, Va.	80.0	47.0	24.0	12.0	7.70	2.79
01656705	Black Branch at Route 15 near Haymarket, Va.	0.712	0.435	0.233	0.073	0.019	--
01656725	Bull Run at Route 705 near Catharpin, Va.	5.50	3.10	1.50	0.390	0.080	0.000
01656903	Flatlick Branch above Frog Branch at Chantilly, Va.	2.70	1.54	0.761	0.317	0.119	--
01656960	Cub Run at Route 658 near Bull Run, Va.	9.40	6.20	4.00	2.10	1.20	0.390
01657000	Bull Run at Route 616 near Manassas, Va.	22.0	13.0	7.50	3.20	1.80	0.400
01657020	Bull Run at Route 28 near Manassas Park, Va.	35.0	25.0	20.0	15.0	13.0	11.0
01657415	Bull Run above Yates Ford near Clifton, Va.	54.0	36.0	24.0	15.0	12.0	8.60
01657500	Occoquan River (Creek) near Occoquan (site now in Occoquan Reservoir), Va.	118	80.0	56.0	34.0	27.0	14.0
01657600	Sandy Run at Henderson Road near Fairfax Station, Va.	1.25	0.780	0.463	0.199	0.094	0.006
01657655	Hooes Run above Route 641 near Occoquan, Va.	1.50	0.930	0.450	0.160	0.060	0.020
01657800	Giles Run at Route 1 near Woodbridge, Va.	3.93	2.66	1.58	0.684	0.336	0.105
01657850	Neabsco Creek at Delaney Road (Route 610) at Dale City, Va.	3.00	2.30	1.70	0.660	0.364	0.167
01657865	Neabsco Creek tributary above Prince William Parkway at Dale City, Va.	0.097	0.072	0.050	0.027	0.015	0.003

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
01657870	Neabsco Creek tributary to tributary 1 at Dale City, Va.	1.18	1.03	1.43	0.474	0.327	0.259	0.199	0.147
01657882	Neabsco Creek tributary below Prince William Parkway at Dale City, Va.	0.608	0.772	7.82	1.11	0.565	0.395	0.292	0.230
01657885	Neabsco Creek tributary at Telegraph Road near Dale City, Va.	0.514	0.650	24.2	6.82	3.20	2.00	1.20	0.980
01657895	Powells Creek at Route 643 near Dale City, Va.	0.919	0.762	87.6	17.0	10.0	7.50	5.98	4.80
01658450	Quantico Creek at Burma Fire Road near Independent Hill, Va.	0.964	0.816	42.3	7.94	4.68	3.35	2.41	1.73
01658460	Quantico Creek at Camp 4 near Dumfries, Va.	0.832	0.704	46.8	11.0	7.00	5.25	3.95	2.96
01658475	Quantico Creek above pyrite mine near Dumfries, Va.	0.732	0.751	39.3	12.9	8.54	6.42	4.91	3.79
01658480	Quantico Creek at pyrite mine road near Dumfries, Va.	1.16	0.813	71.0	15.0	8.40	6.20	4.40	3.15
01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	1.13	0.836	84.0	14.0	7.60	5.40	3.90	2.70
01658510	South Fork Quantico Creek tributary 7 tributary at Oak Ridge campground near Independent Hill, Va.	0.614	0.536	0.587	0.247	0.189	0.159	0.137	0.116
01658530	South Fork Quantico Creek at Mawavi Road near Joplin, Va.	1.12	0.829	86.5	14.6	7.97	5.68	4.11	2.85
01658540	South Fork Quantico Creek tributary 8 at Camp 2 near Joplin, Va.	0.656	0.485	1.13	0.398	0.279	0.229	0.190	0.153
01658550	South Fork Quantico Creek at Camp 5 Lake, near Joplin, Va.	1.03	0.857	109	18.2	11.0	8.10	6.30	4.20
01658601	South Fork Quantico Creek tributary 1 at High Meadows Trail near Joplin, Va.	0.687	0.730	7.53	1.39	0.710	0.444	0.305	0.215
01658603	South Fork Quantico Creek below tributary 1 near Joplin, Va.	1.02	0.753	121	24.1	13.9	10.2	7.63	5.48
01658610	South Fork Quantico Creek at Park Road near Joplin, Va.	0.990	0.732	120	25.0	14.7	10.9	8.17	5.92
01658615	Mary Bird Branch at Taylor Farm Road near Joplin, Va.	0.545	0.574	1.07	0.249	0.145	0.102	0.075	0.059
01658625	South Fork Quantico Creek tributary 5 at Orenda Fire Road near Dumfries, Va.	0.619	0.467	1.47	0.614	0.453	0.367	0.313	0.260
01658650	South Fork Quantico Creek above mouth near Dumfries, Va.	1.04	0.839	167	31.0	18.4	14.0	11.0	7.40
01658698	Little Creek at Mocking Bird Road at Triangle, Va.	0.463	0.567	15.0	2.70	1.50	1.10	0.950	0.805
01658705	Little Creek at Geiger Road at Quantico, Va.	0.382	0.492	24.3	4.74	2.80	2.20	2.00	1.70
01659000	North Branch Chopawamsic Creek above Marine Road 1 near Independent Hill, Va.	0.932	0.764	52.0	9.70	5.70	3.98	2.90	2.00
01659500	Middle Branch Chopawamsic Creek above Marine Road near Garrisonville, Va.	0.840	0.666	28.1	6.90	4.30	3.10	2.30	1.70
01660000	South Branch Chopawamsic Creek below Marine Road 1 near Garrisonville, Va.	0.669	0.777	21.5	10.0	4.40	2.80	2.00	1.40
01660100	Chopawamsic Creek at Russell Road near Joplin, Va.	1.34	0.971	142	43.0	25.0	17.0	10.0	6.80
01660380	Cannon Creek above mouth near Garrisonville, Va.	0.643	0.664	85.8	22.0	15.0	12.0	9.70	8.35
01660400	Aquia Creek at Route 641 near Garrisonville, Va.	1.08	1.00	326	69.0	42.0	31.0	24.0	18.0
01660500	Beaverdam Run at Marine Road 2 near Garrisonville, Va.	0.755	0.862	91.0	23.0	12.0	8.40	6.20	4.10

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
01657870	Neabsco Creek tributary to tributary 1 at Dale City, Va.	0.103	0.066	0.032	0.010	0.003	0.000
01657882	Neabsco Creek tributary below Prince William Parkway at Dale City, Va.	0.180	0.138	0.099	0.057	0.033	0.007
01657885	Neabsco Creek tributary at Telegraph Road near Dale City, Va.	0.750	0.570	0.428	0.300	0.210	0.138
01657895	Powells Creek at Route 643 near Dale City, Va.	4.10	3.30	2.00	0.578	0.102	0.000
01658450	Quantico Creek at Burma Fire Road near Independent Hill, Va.	1.13	0.689	0.370	0.188	0.117	0.065
01658460	Quantico Creek at Camp 4 near Dumfries, Va.	2.05	1.34	0.784	0.437	0.291	0.175
01658475	Quantico Creek above pyrite mine near Dumfries, Va.	2.65	1.88	1.29	0.701	0.409	0.058
01658480	Quantico Creek at pyrite mine road near Dumfries, Va.	1.70	1.20	0.690	0.220	0.110	0.000
01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	1.80	1.10	0.570	0.200	0.100	0.000
01658510	South Fork Quantico Creek tributary 7 tributary at Oak Ridge campground near Independent Hill, Va.	0.093	0.071	0.050	0.028	0.018	0.007
01658530	South Fork Quantico Creek at Mawavi Road near Joplin, Va.	1.91	1.17	0.609	0.215	0.108	--
01658540	South Fork Quantico Creek tributary 8 at Camp 2 near Joplin, Va.	0.121	0.091	0.062	0.034	0.023	--
01658550	South Fork Quantico Creek at Camp 5 Lake, near Joplin, Va.	2.70	1.70	0.780	0.390	0.284	0.100
01658601	South Fork Quantico Creek tributary 1 at High Meadows Trail near Joplin, Va.	0.147	0.101	0.067	0.044	0.034	0.023
01658603	South Fork Quantico Creek below tributary 1 near Joplin, Va.	3.80	2.44	1.35	0.525	0.281	--
01658610	South Fork Quantico Creek at Park Road near Joplin, Va.	4.15	2.70	1.52	0.606	0.330	--
01658615	Mary Bird Branch at Taylor Farm Road near Joplin, Va.	0.046	0.034	0.024	0.017	0.014	0.011
01658625	South Fork Quantico Creek tributary 5 at Orenda Fire Road near Dumfries, Va.	0.205	0.159	0.115	0.063	0.031	--
01658650	South Fork Quantico Creek above mouth near Dumfries, Va.	4.90	3.40	1.80	0.680	0.404	0.200
01658698	Little Creek at Mocking Bird Road at Triangle, Va.	0.680	0.560	0.440	0.277	0.210	0.090
01658705	Little Creek at Geiger Road at Quantico, Va.	1.40	1.20	1.00	0.706	0.520	0.297
01659000	North Branch Chopawamsic Creek above Marine Road 1 near Independent Hill, Va.	1.50	0.920	0.500	0.234	0.100	0.000
01659500	Middle Branch Chopawamsic Creek above Marine Road near Garrisonville, Va.	1.30	0.900	0.590	0.246	0.120	0.000
01660000	South Branch Chopawamsic Creek below Marine Road 1 near Garrisonville, Va.	1.00	0.750	0.500	0.300	0.200	0.030
01660100	Chopawamsic Creek at Russell Road near Joplin, Va.	3.90	2.00	0.970	0.310	0.070	0.000
01660380	Cannon Creek above mouth near Garrisonville, Va.	6.80	5.20	3.80	1.90	0.970	0.237
01660400	Aquia Creek at Route 641 near Garrisonville, Va.	12.0	7.80	4.40	1.50	0.580	0.060
01660500	Beaverdam Run at Marine Road 2 near Garrisonville, Va.	2.90	2.10	1.30	0.720	0.270	0.060

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
01660560	Potomac Creek at Route 1 near Brooke, Va.	0.878	0.827	384	75.1	44.8	30.7	21.4	14.6
01661800	Bush Mill Stream at Route 601 near Heathsville, Va.	0.649	0.729	50.8	15.0	10.0	7.80	6.20	4.90
01661835	Hickman Run tributary above wastewater outfall at Flint Hill, Va.	0.985	0.862	4.67	1.11	0.647	0.433	0.300	0.205
01661839	Jordan River at Route 637 near Flint Hill, Va.	1.23	1.30	--	--	151	72.6	38.2	18.9
01661840	Rappahannock River at Route 647 near Flint Hill, Va.	1.09	0.997	1,723	282	159	107	74.1	50.7
01661900	Carter Run off Route 691 near Marshall, Va.	0.681	0.682	238	45.0	29.0	23.0	17.0	12.0
01661995	Carter Run at Route 688 near Jeffersonton, Va.	0.783	0.748	428	118	73.9	54.6	42.2	31.7
01662000	Rappahannock River at Route 211 near Warrenton, Va.	0.778	0.721	1,280	397	265	202	158	120
01662050	Great Run tributary to tributary above wastewater outfall at Warrenton, Va.	0.440	0.463	3.72	1.30	0.870	0.670	0.533	0.414
01662065	Great Run at Route 687 near Turnbull, Va.	0.544	0.558	65.9	28.8	21.2	17.2	14.1	11.6
01662100	Hazel River along Hazel River Trail near Nethers, Va.	0.761	0.843	47.2	19.7	14.0	11.0	9.08	7.20
01662110	Hazel River at Route 231 near Woodville, Va.	0.756	0.628	84.5	30.2	20.2	15.3	11.9	9.24
01662156	South Fork Brokenback Run near Nethers, Va.	0.564	0.604	7.70	2.50	1.40	0.980	0.720	0.550
01662160	Brokenback Run above Hughes River near Nethers, Va.	0.789	0.775	73.4	18.5	11.7	8.55	6.48	4.78
01662190	Ragged Run along Route 645 near Etlan, Va.	0.669	0.867	121	7.54	3.14	1.80	1.18	0.799
01662310	Thornton River above Beech Spring Hollow near Sperryville, Va.	0.688	0.520	56.9	21.5	15.4	12.1	10.2	8.29
01662320	Thornton River above wastewater outfall at Sperryville, Va.	0.737	0.775	294	50.5	25.8	16.7	11.4	7.45
01662350	North Fork Thornton River along Forest Road near Sperryville, Va.	0.924	0.857	101	25.1	15.5	11.3	8.40	6.06
01662490	Rush River at Route 624 at Washington, Va.	0.918	1.08	772	51.9	19.1	9.29	5.26	3.06
01662500	Rush River at old Route 522 at Washington, Va.	1.08	0.763	112	38.0	24.0	17.0	13.0	9.60
01662800	Battle Run at Route 729 near Laurel Mills, Va.	0.745	0.731	198	54.0	35.0	26.0	20.0	15.0
01663000	Thornton River at Route 729 near Laurel Mills, Va.	0.635	0.686	1,035	322	220	162	123	95.0
01663500	Hazel River at Route 229 at Rixeyville, Va.	0.705	0.674	2,220	694	457	348	276	213
01663750	Muddy Run at Route 729 near Norman, Va.	0.206	0.356	32.1	10.7	6.46	5.06	4.36	3.87
01663830	Muddy Run at Route 625 near Rixeyville, Va.	0.518	0.894	--	--	22.9	12.4	8.56	6.35
01664000	Rappahannock River at Route 29 (Alternate) at Remington, Va.	0.762	0.698	4,970	1,400	938	710	550	422
01664500	Rappahannock River at Route 620 at Kellys Ford near Remington, Va.	0.673	0.728	4,947	1,360	900	680	535	424
01664750	Marsh Run at Route 668 near Remington, Va.	1.86	1.77	--	43.7	14.5	7.10	3.85	1.95

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft³/s)					
01660560	Potomac Creek at Route 1 near Brooke, Va.	9.92	6.74	4.23	1.93	1.13	0.425
01661800	Bush Mill Stream at Route 601 near Heathsville, Va.	3.70	2.80	2.00	1.10	0.520	0.080
01661835	Hickman Run tributary above wastewater outfall at Flint Hill, Va.	0.134	0.081	0.048	0.021	0.012	0.005
01661839	Jordan River at Route 637 near Flint Hill, Va.	9.07	4.35	2.15	1.10	0.693	0.303
01661840	Rappahannock River at Route 647 near Flint Hill, Va.	34.2	21.3	11.3	4.13	1.75	0.430
01661900	Carter Run off Route 691 near Marshall, Va.	8.40	5.80	4.10	2.50	1.60	0.814
01661995	Carter Run at Route 688 near Jeffersonton, Va.	24.0	16.4	10.7	5.22	2.67	0.793
01662000	Rappahannock River at Route 211 near Warrenton, Va.	90.0	62.0	40.0	20.0	10.0	3.20
01662050	Great Run tributary to tributary above wastewater outfall at Warrenton, Va.	0.319	0.245	0.191	0.150	0.127	0.095
01662065	Great Run at Route 687 near Turnbull, Va.	8.89	6.90	5.21	3.31	2.22	0.518
01662100	Hazel River along Hazel River Trail near Nethers, Va.	5.33	3.79	2.38	1.25	0.615	0.030
01662110	Hazel River at Route 231 near Woodville, Va.	6.81	4.52	2.68	1.62	1.08	0.628
01662156	South Fork Brokenback Run near Nethers, Va.	0.418	0.310	0.210	0.150	0.100	0.060
01662160	Brokenback Run above Hughes River near Nethers, Va.	3.44	2.52	1.62	0.777	0.387	0.103
01662190	Ragged Run along Route 645 near Etlan, Va.	0.504	0.331	0.234	0.171	0.148	0.123
01662310	Thornton River above Beech Spring Hollow near Sperryville, Va.	6.38	4.79	3.33	1.70	0.771	--
01662320	Thornton River above wastewater outfall at Sperryville, Va.	4.81	3.10	2.03	1.36	1.03	0.630
01662350	North Fork Thornton River along Forest Road near Sperryville, Va.	4.31	2.77	1.64	0.721	0.317	0.082
01662490	Rush River at Route 624 at Washington, Va.	1.79	1.04	0.615	0.369	0.252	0.133
01662500	Rush River at old Route 522 at Washington, Va.	6.50	3.70	2.00	0.800	0.260	0.000
01662800	Battle Run at Route 729 near Laurel Mills, Va.	11.0	8.20	5.40	2.70	1.40	0.400
01663000	Thornton River at Route 729 near Laurel Mills, Va.	73.0	55.0	39.0	22.0	10.0	3.00
01663500	Hazel River at Route 229 at Rixeyville, Va.	166	118	80.0	42.0	23.0	7.70
01663750	Muddy Run at Route 729 near Norman, Va.	3.50	3.18	2.83	2.41	2.04	1.49
01663830	Muddy Run at Route 625 near Rixeyville, Va.	4.92	3.86	2.90	1.93	1.27	0.576
01664000	Rappahannock River at Route 29 (Alternate) at Remington, Va.	320	230	148	73.0	40.0	15.0
01664500	Rappahannock River at Route 620 at Kellys Ford near Remington, Va.	330	242	172	90.0	46.0	8.00
01664750	Marsh Run at Route 668 near Remington, Va.	1.01	0.411	0.147	0.027	0.006	0.000

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
01665000	Mountain Run at Route 641 near Culpeper, Va.	0.602	0.591	153	31.0	20.0	16.0	13.0	10.0
01665220	Deep Run at Route 615 near Goldvein, Va.	1.19	1.10	159	28.7	16.6	11.9	8.99	6.55
01665228	Deep Run at Route 17 near Goldvein, Va.	1.21	1.16	472	64.1	31.3	19.6	13.1	8.42
01665270	Staunton River at mouth near Graves Mill, Va.	0.922	0.806	118	30.2	18.0	12.3	8.95	6.50
01665340	Conway River at Route 667 near Kinderhook, Va.	0.813	0.805	273	52.8	31.0	21.4	15.8	11.7
01665400	Conway River at Route 230 near Stanardsville, Va.	1.17	1.07	--	--	97.4	60.7	40.7	28.0
01665440	South River at Route 642 above Entry Run near McMullen, Va.	0.958	0.948	187	27.1	14.4	9.35	6.54	4.58
01665500	Rapidan River below Route 29 near Ruckersville, Va.	0.686	0.627	1,020	306	202	153	121	97.0
01665580	Blue Run at Route 641 near Somerset, Va.	0.734	0.721	176	48.9	31.9	23.8	18.3	13.8
01665710	Robinson River tributary at White Oak Canyon Trail near Syria, Va.	1.02	1.22	--	43.0	16.3	9.39	6.20	4.08
01665800	Rose River along Rose River Trail near Syria, Va.	0.859	0.649	150	44.5	29.2	21.7	17.4	13.5
01665850	Robinson River at Route 231 near Criglersville, Va.	0.796	0.728	707	175	108	78.2	59.6	46.1
01666500	Robinson (Robertson) River at Route 614 near Locust Dale, Va.	0.590	0.574	1,490	422	286	222	181	148
01667000	Rapidan River below Route 615 at Rapidan, Va.	0.610	0.652	2,752	824	530	402	326	285
01667500	Rapidan River above Route 522 near Culpeper, Va.	0.618	0.611	3,720	1,070	713	539	428	340
01667650	Cedar Run at Route 522 near Culpeper, Va.	1.56	1.53	--	--	120	50.0	21.8	8.89
01667850	Mine Run at Route 611 at Burr Hill, Va.	1.21	1.15	391	99.7	58.5	40.5	28.2	19.0
01667870	Mountain Run at Route 611 near Burr Hill, Va.	1.30	0.919	157	36.0	25.0	21.0	18.0	15.0
01667890	Flat Run at Route 3 near Flat Run, Va.	1.00	1.04	99.9	13.7	5.79	3.51	2.29	1.47
01667910	Wilderness Run at Route 3 at Wilderness, Va.	0.895	0.873	147	25.8	14.1	8.82	5.62	3.50
01668000	Rappahannock River below Motts Run near Fredericksburg, Va.	0.639	0.642	13,400	3,340	2,170	1,620	1,260	990
01668064	Massaponax Creek at Route 208 near Four Mile Fork, Va.	1.27	1.21	58.2	13.9	7.96	5.42	3.71	2.46
01668200	Gingoteague Run at Route 623 near Port Royal, Va.	0.976	1.03	48.0	5.84	2.79	1.32	0.757	0.385
0166828230	Occupacia Creek at Route 17 near Chance, Va.	0.704	0.629	172	58.8	41.9	33.9	27.4	21.9
01668300	Farmers Hall Creek at Route 17 near Champlain, Va.	1.19	1.11	25.6	5.21	2.94	1.98	1.35	0.893
01668500	Cat Point Creek below Route 637 near Montross, Va.	0.834	0.785	256	96.0	66.0	49.0	38.0	30.0
01668800	Hoskins Creek at Route 717 near Tappahannock, Va.	0.545	0.524	76.0	32.0	24.0	19.0	15.0	12.0
01669000	Piscataway Creek at Route 691 near Tappahannock, Va.	0.671	0.622	152	62.0	45.0	36.0	29.0	23.0

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
01665000	Mountain Run at Route 641 near Culpeper, Va.	8.10	6.20	4.50	2.50	1.80	1.00
01665220	Deep Run at Route 615 near Goldvein, Va.	4.19	2.61	1.39	0.426	0.150	0.012
01665228	Deep Run at Route 17 near Goldvein, Va.	5.48	3.05	1.56	0.517	0.184	0.028
01665270	Staunton River at mouth near Graves Mill, Va.	4.62	2.88	1.66	0.779	0.424	0.183
01665340	Conway River at Route 667 near Kinderhook, Va.	8.37	5.70	3.56	1.80	1.04	0.280
01665400	Conway River at Route 230 near Stanardsville, Va.	18.1	10.7	5.19	1.91	0.917	0.206
01665440	South River at Route 642 above Entry Run near McMullen, Va.	3.09	1.96	1.13	0.504	0.264	0.057
01665500	Rapidan River below Route 29 near Ruckersville, Va.	75.0	55.0	36.0	20.0	13.0	5.40
01665580	Blue Run at Route 641 near Somerset, Va.	10.2	7.62	5.04	2.55	1.33	0.387
01665710	Robinson River tributary at White Oak Canyon Trail near Syria, Va.	2.57	1.58	0.925	0.386	0.171	0.027
01665800	Rose River along Rose River Trail near Syria, Va.	9.72	6.80	4.32	1.87	0.695	--
01665850	Robinson River at Route 231 near Criglersville, Va.	34.2	23.9	14.6	7.38	4.47	1.61
01666500	Robinson (Robertson) River at Route 614 near Locust Dale, Va.	117	90.0	64.0	38.0	25.0	11.0
01667000	Rapidan River below Route 615 at Rapidan, Va.	238	184	122	70.0	34.0	9.00
01667500	Rapidan River above Route 522 near Culpeper, Va.	264	197	138	82.0	54.0	20.0
01667650	Cedar Run at Route 522 near Culpeper, Va.	3.12	1.15	0.527	0.243	0.163	0.086
01667850	Mine Run at Route 611 at Burr Hill, Va.	12.1	7.21	3.64	1.16	0.413	0.024
01667870	Mountain Run at Route 611 near Burr Hill, Va.	11.0	7.80	4.60	0.751	0.240	0.130
01667890	Flat Run at Route 3 near Flat Run, Va.	0.910	0.553	0.326	0.147	0.067	0.017
01667910	Wilderness Run at Route 3 at Wilderness, Va.	1.93	1.26	0.755	0.445	0.299	0.151
01668000	Rappahannock River below Motts Run near Fredericksburg, Va.	763	555	388	227	141	56.0
01668064	Massaponax Creek at Route 208 near Four Mile Fork, Va.	1.54	0.891	0.436	0.132	0.045	0.002
01668200	Gingoteague Run at Route 623 near Port Royal, Va.	0.232	0.140	0.085	0.041	0.013	--
0166828230	Occupacia Creek at Route 17 near Chance, Va.	16.5	12.0	8.20	4.32	2.25	0.975
01668300	Farmers Hall Creek at Route 17 near Champlain, Va.	0.522	0.324	0.169	0.057	0.020	0.003
01668500	Cat Point Creek below Route 637 near Montross, Va.	23.0	16.0	10.0	4.40	2.10	0.350
01668800	Hoskins Creek at Route 717 near Tappahannock, Va.	10.0	7.70	5.50	3.42	2.20	1.00
01669000	Piscataway Creek at Route 691 near Tappahannock, Va.	17.0	13.0	9.00	4.91	2.70	0.860

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
01669500	Dragon Swamp at Route 602 near Church View, Va.	0.826	0.619	515	180	124	93.0	73.0	57.0
01669520	Dragon Swamp at Route 603 at Mascot, Va.	1.11	0.963	727	259	183	147	115	87.0
01670000	Beaverdam Swamp above Route 606 near Ark, Va.	0.740	0.868	45.0	15.0	10.0	7.60	5.80	4.40
01670010	Beaverdam Swamp tributary 2 at Route 606 at Ark, Va.	0.474	0.556	2.71	1.34	1.04	0.869	0.731	0.613
01670020	Beaverdam Swamp at Route 616 at Gloucester, Va.	0.779	0.914	158	49.7	32.4	24.3	18.3	13.7
01670120	Mountain Run at Route 643 near Gordonsville, Va.	0.799	0.861	176	22.8	12.4	8.44	6.06	4.37
01670145	Gold Mine Creek tributary to tributary 1 tributary at Louisa, Va.	0.372	0.466	1.99	0.580	0.382	0.277	0.218	0.172
01670180	Pamunkey Creek at Route 669 at Lahore, Va.	0.837	0.723	268	59.0	39.2	30.8	26.0	22.0
01670300	Contrary Creek below Route 522 near Mineral, Va.	0.732	0.759	54.0	8.50	5.30	4.10	3.40	2.70
01670320	Freshwater Creek above wastewater outfall at Mineral, Va.	0.652	0.582	1.96	0.728	0.533	0.437	0.359	0.292
01670400	North Anna River at Route 601 near Partlow, Va.	0.210	0.578	3,035	555	325	208	156	73.0
01670435	Northeast Creek at Route 622 near Partlow, Va.	1.02	0.903	262	68.8	42.0	29.2	21.1	14.8
01670500	North Anna River at Route 603 near Hewlett, Va.	0.438	0.540	3,343	789	472	325	248	192
01671000	North Anna River near Doswell, Va.	0.511	0.644	3,409	774	450	337	251	188
01671020	North Anna River at Route 30 at Hart Corner, near Doswell, Va.	0.455	0.593	3,515	791	480	318	248	154
01671025	North Anna River above Little River near Doswell, Va.	0.475	0.500	733	527	367	301	253	170
01671100	Little River at Route 685 near Doswell, Va.	0.967	0.863	846	194	122	91.0	68.0	50.0
01671200	South Anna River above wastewater outfall near Gordonsville, Va.	1.47	1.31	170	18.1	8.95	5.73	3.68	2.30
01671500	Bunch (Hudson) Creek at Route 15 near Boswells Tavern, Va.	0.845	0.756	52.0	9.00	5.20	3.80	2.80	2.10
01671680	South Anna River at Route 208 (formerly Route 659) near Louisa, Va.	0.801	0.805	1,112	195	114	78.7	57.5	42.4
01671925	Northeast Creek at Route 33 near Mineral, Va.	1.31	1.15	303	43.6	20.8	12.2	7.69	4.87
01672000	South Anna River at Route 617 at Vontay, Va.	0.536	0.666	1,892	521	292	208	167	141
01672500	South Anna River at Route 54 near Ashland, Va.	0.629	0.651	2,782	796	464	339	259	196
01672800	Newfound River at Route 685 near Ashland, Va.	0.925	0.799	158	59.3	37.5	26.3	19.0	13.4
01673000	Pamunkey River at Route 614 near Hanover, Va.	0.664	0.631	7,691	2,230	1,280	946	723	544
01673010	Mechumps Creek at Route 301 at Hanover, Va.	0.484	0.563	98.1	56.3	31.1	22.4	17.6	13.6
01673500	Totopotomoy Creek at Route 301 near Atlee, Va.	0.845	0.796	45.0	13.0	8.00	5.60	4.00	2.80
01673550	Totopotomoy Creek at Route 606 near Studley, Va.	0.639	0.677	190	53.0	36.0	28.0	22.0	17.0

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
01669500	Dragon Swamp at Route 602 near Church View, Va.	43.0	30.0	19.0	8.50	3.20	0.000
01669520	Dragon Swamp at Route 603 at Mascot, Va.	62.0	41.0	21.0	6.80	2.50	0.270
01670000	Beaverdam Swamp above Route 606 near Ark, Va.	3.30	2.40	1.60	0.800	0.400	0.020
01670010	Beaverdam Swamp tributary 2 at Route 606 at Ark, Va.	0.510	0.416	0.321	0.206	0.132	0.019
01670020	Beaverdam Swamp at Route 616 at Gloucester, Va.	10.1	7.23	4.72	2.27	1.10	0.047
01670120	Mountain Run at Route 643 near Gordonsville, Va.	3.11	2.13	1.35	0.695	0.374	0.097
01670145	Gold Mine Creek tributary to tributary 1 tributary at Louisa, Va.	0.141	0.108	0.089	0.073	0.064	0.043
01670180	Pamunkey Creek at Route 669 at Lahore, Va.	17.0	13.0	8.80	3.20	1.30	0.660
01670300	Contrary Creek below Route 522 near Mineral, Va.	2.00	1.40	0.980	0.500	0.270	0.060
01670320	Freshwater Creek above wastewater outfall at Mineral, Va.	0.225	0.168	0.118	0.065	0.036	0.016
01670400	North Anna River at Route 601 near Partlow, Va.	60.0	54.0	49.0	45.0	43.0	40.0
01670435	Northeast Creek at Route 622 near Partlow, Va.	10.1	6.36	3.62	1.41	0.683	0.159
01670500	North Anna River at Route 603 near Hewlett, Va.	147	112	87.3	69.9	58.7	42.1
01671000	North Anna River near Doswell, Va.	141	104	78.0	58.0	38.0	12.0
01671020	North Anna River at Route 30 at Hart Corner, near Doswell, Va.	97.0	77.0	65.0	54.0	45.0	36.0
01671025	North Anna River above Little River near Doswell, Va.	113	91.0	74.6	57.0	37.0	15.0
01671100	Little River at Route 685 near Doswell, Va.	34.0	22.0	13.0	5.40	2.20	0.700
01671200	South Anna River above wastewater outfall near Gordonsville, Va.	1.28	0.661	0.297	0.078	0.020	0.003
01671500	Bunch (Hudson) Creek at Route 15 near Boswells Tavern, Va.	1.50	1.00	0.600	0.300	0.080	0.000
01671680	South Anna River at Route 208 (formerly Route 659) near Louisa, Va.	30.6	20.6	13.1	6.71	3.69	1.16
01671925	Northeast Creek at Route 33 near Mineral, Va.	2.99	1.53	0.694	0.236	0.099	0.030
01672000	South Anna River at Route 617 at Vontay, Va.	117	99.0	66.0	41.0	21.0	4.80
01672500	South Anna River at Route 54 near Ashland, Va.	145	106	76.0	46.0	28.0	12.0
01672800	Newfound River at Route 685 near Ashland, Va.	9.54	6.20	3.62	1.59	0.818	0.290
01673000	Pamunkey River at Route 614 near Hanover, Va.	400	285	190	118	84.0	46.6
01673010	Mechumps Creek at Route 301 at Hanover, Va.	10.6	8.64	6.44	4.45	3.32	0.841
01673500	Totopotomoy Creek at Route 301 near Atlee, Va.	1.90	1.30	0.800	0.400	0.200	0.070
01673550	Totopotomoy Creek at Route 606 near Studley, Va.	13.0	10.0	7.30	3.90	2.40	0.480

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
01673600	Matadequin Creek at Route 606 near Tunstall, Va.	1.16	1.46	--	--	--	--	--	79.8
01673610	Clopton Swamp tributary above Kenwood Farms wastewater outfall near Quinton, Va.	0.501	0.466	0.834	0.406	0.322	0.280	0.249	0.217
01673638	Cohoke Mill Creek near Lester Manor, Va.	1.14	0.805	44.0	15.0	11.0	8.80	7.10	5.80
01673800	Po River at Route 208 near Spotsylvania, Va.	1.19	1.04	786	147	88.0	63.0	47.0	34.0
01673960	Mat River at Route 647 near Marye, Va.	1.41	1.34	177	36.3	19.5	12.7	8.37	5.30
01674000	Mattaponi River above Route 605 near Bowling Green, Va.	1.09	1.04	1,830	534	330	237	171	120
01674160	Polecat Creek at Route 601 at Cedar Fork, Va.	1.49	1.30	16.4	2.01	1.06	0.696	0.482	0.321
01674171	Polecat Creek tributary near Golansville, Va.	1.32	1.15	61.0	9.51	5.38	3.71	2.68	1.87
01674172	Polecat Creek at Route 652 near Ladysmith, Va.	1.36	1.18	231	34.1	19.0	13.0	9.27	6.41
01674174	Stevens Mill Run at Route 601 at Golansville, Va.	1.07	1.02	61.0	18.3	11.4	8.23	5.98	4.22
01674180	Polecat Creek at Route 601 at Penola, Va.	0.952	0.905	322	110	72.5	54.3	40.9	30.1
01674200	Reedy Creek at Route 301 near Dawn, Va.	0.946	0.878	125	35.3	22.5	16.4	12.1	8.73
01674250	Maracossic Creek at Route 721 at Sparta, Va.	0.611	0.527	160	83.7	61.9	49.0	39.5	31.4
01674350	Beverly Run at Route 630 near Alps, Va.	0.688	0.594	233	112	79.8	61.3	48.0	37.1
01674500	Mattaponi River near Beulahville, Va.	0.802	0.692	3,070	1,310	881	648	488	361
01674600	Herring Creek at Route 609 near Aylett, Va.	0.544	0.470	33.6	18.9	14.4	11.7	9.66	7.87
01675395	Tastine Swamp at Route 603 at Fork Shop, Va.	0.661	0.489	29.3	10.3	7.18	5.88	4.86	3.92
01677000	Ware Creek at Route 600 near Toano, Va.	0.487	0.609	27.0	11.0	8.10	6.50	5.50	4.60
01677100	France Swamp at Route 606 near Toano, Va.	0.493	0.425	21.3	12.6	9.87	8.17	6.87	5.71
01677200	Skimino Creek below Barlows Pond at Route 646 near Lightfoot, Va.	0.380	0.478	67.0	16.9	10.7	7.96	6.25	4.98
02010500	Muddy Run Spring near Warm Springs, Va.	0.198	0.249	17.1	8.35	6.57	5.64	4.97	4.42
02011000	Bolar Spring at Bolar, Va.	0.413	0.472	42.2	13.8	8.84	6.54	5.09	3.97
02011010	Warm Springs Run above wastewater outfall at Warm Springs, Va.	0.216	0.233	16.2	9.35	7.68	6.64	5.84	5.16
02011400	Jackson River along Route 603 near Bacova, Va.	0.513	0.554	1,337	360	226	160	118	88.0
02011460	Back Creek above Route 600 near Sunrise, Va.	0.855	0.740	782	208	125	87.0	61.0	43.0
02011470	Back Creek at Route 600 at Sunrise, Va.	0.482	0.649	1,124	256	150	104	70.0	42.5
02011480	Back Creek on Route 600, near Mountain Grove, Va.	0.771	0.740	1,391	314	178	120	86.0	59.0
02011490	Little Back Creek near Sunrise, Va.	0.200	0.331	28.0	9.30	6.40	5.10	4.40	3.80

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
01673600	Matadequin Creek at Route 606 near Tunstall, Va.	39.7	19.9	10.1	5.53	3.49	1.45
01673610	Clopton Swamp tributary above Kenwood Farms wastewater outfall near Quinton, Va.	0.180	0.148	0.113	0.069	0.044	0.015
01673638	Cohoke Mill Creek near Lester Manor, Va.	4.60	3.30	2.00	0.420	0.050	0.000
01673800	Po River at Route 208 near Spotsylvania, Va.	22.0	13.0	6.80	2.20	0.900	0.130
01673960	Mat River at Route 647 near Marye, Va.	3.15	1.72	0.776	0.207	0.062	0.002
01674000	Mattaponi River above Route 605 near Bowling Green, Va.	80.0	50.0	27.0	9.67	3.80	0.290
01674160	Polecat Creek at Route 601 at Cedar Fork, Va.	0.186	0.096	0.043	0.010	0.003	0.000
01674171	Polecat Creek tributary near Golansville, Va.	1.16	0.645	0.314	0.090	0.033	0.004
01674172	Polecat Creek at Route 652 near Ladysmith, Va.	3.90	2.14	1.02	0.282	0.102	0.011
01674174	Stevens Mill Run at Route 601 at Golansville, Va.	2.84	1.79	0.979	0.358	0.143	0.011
01674180	Polecat Creek at Route 601 at Penola, Va.	21.1	14.0	8.20	3.36	1.49	0.158
01674200	Reedy Creek at Route 301 near Dawn, Va.	5.70	3.91	2.33	0.990	0.426	0.085
01674250	Maracossic Creek at Route 721 at Sparta, Va.	25.1	18.9	13.2	7.69	4.96	2.50
01674350	Beverly Run at Route 630 near Alps, Va.	28.8	20.9	14.0	7.61	4.64	2.14
01674500	Mattaponi River near Beulahville, Va.	269	185	116	57.0	32.0	13.0
01674600	Herring Creek at Route 609 near Aylett, Va.	6.45	5.00	3.64	2.25	1.52	0.824
01675395	Tastine Swamp at Route 603 at Fork Shop, Va.	3.09	2.32	1.58	0.855	0.570	--
01677000	Ware Creek at Route 600 near Toano, Va.	3.90	3.10	2.40	1.50	0.820	0.112
01677100	France Swamp at Route 606 near Toano, Va.	4.76	3.78	2.84	1.84	1.29	0.740
01677200	Skimino Creek below Barlows Pond at Route 646 near Lightfoot, Va.	3.96	3.16	2.53	2.07	1.78	1.34
02010500	Muddy Run Spring near Warm Springs, Va.	3.92	3.49	3.11	2.80	2.59	2.23
02011000	Bolar Spring at Bolar, Va.	3.09	2.43	1.95	1.53	1.30	0.987
02011010	Warm Springs Run above wastewater outfall at Warm Springs, Va.	4.57	4.00	3.54	3.14	2.93	2.58
02011400	Jackson River along Route 603 near Bacova, Va.	66.0	48.0	36.0	27.0	23.0	17.0
02011460	Back Creek above Route 600 near Sunrise, Va.	30.0	19.0	11.0	6.00	4.20	2.50
02011470	Back Creek at Route 600 at Sunrise, Va.	23.0	16.0	15.0	14.0	12.0	7.96
02011480	Back Creek on Route 600, near Mountain Grove, Va.	42.0	27.0	17.0	10.0	6.80	3.80
02011490	Little Back Creek near Sunrise, Va.	3.30	3.00	2.70	2.40	2.20	1.70

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
Flow (ft³/s)									
02011500	Back Creek along Route 39 near Mountain Grove, Va.	0.694	0.711	1,620	423	244	165	114	79.0
02011800	Jackson River below Gathright Dam, near Hot Springs, Va.	0.321	0.469	3,523	905	508	339	290	264
02011830	Hot Springs Run at Bacova Junction, Va.	0.195	0.228	12.0	6.74	5.44	4.68	4.11	3.66
02011950	Johnson Spring near Hot Springs, Va.	0.372	0.284	2.70	2.20	1.90	1.70	1.50	1.20
02012000	Falling Spring Creek at Route 220 near Falling Spring, Va.	0.319	0.363	101	38.0	27.0	22.0	18.0	15.0
02012500	Jackson River at Route 687 at Falling Spring, Va.	0.466	0.517	3,540	1,070	656	464	346	263
02013000	Dunlap Creek at Route 60 near Covington, Va.	0.571	0.640	1,740	366	208	137	96.0	67.0
02013100	Jackson River below Dunlap Creek, at Covington, Va.	0.258	0.464	5,180	1,550	885	600	432	362
02014000	Potts Creek at Route 18 near Covington, Va.	0.508	0.563	1,470	390	232	162	119	87.0
02014500	Smith Creek above old dam, near Clifton Forge, Va.	0.583	0.598	143	41.1	26.0	19.0	13.0	8.80
02015000	Smith Creek near Clifton Forge, Va.	0.599	0.611	140	38.0	24.0	17.0	13.0	8.35
02015075	Smith Creek above Dry Creek at Clifton Forge, Va.	0.424	0.457	130	46.9	31.0	23.0	18.0	14.1
02015300	Wilson Creek at Tukes Trailer Court wastewater outfall near Longdale, Va.	1.49	1.57	--	--	--	58.5	24.7	9.94
02015600	Cowpasture River at Route 250 near Head Waters, Va.	0.990	0.866	294	69.4	40.2	26.8	18.6	12.7
02015700	Bullpasture River at Route 614 at Williamsville, Va.	0.375	0.478	1,180	304	191	140	106	83.0
02016000	Cowpasture River below Route 633 near Clifton Forge, Va.	0.477	0.556	4,739	1,160	686	476	347	261
02016500	James River below Route 220 at Lick Run, Va.	0.464	0.529	12,500	3,540	2,130	1,500	1,110	833
0201655975	Mill Creek at Route 694 at Gala, Va.	0.297	0.282	27.3	19.5	17.1	15.7	14.3	13.0
02017000	Meadow Creek above Route 311 at New Castle, Va.	0.469	0.499	118	33.0	22.0	17.0	13.0	10.0
02017500	Johns Creek at Route 615 at New Castle, Va.	0.657	0.644	1,096	298	176	122	86.0	59.0
02018000	Craig Creek at abandoned railroad bridge at Parr, Va.	0.567	0.599	3,321	860	514	356	256	181
02018500	Catawba Creek at Route 600 near Catawba, Va.	0.523	0.638	341	72.0	42.0	28.0	20.0	14.0
02018850	Borden Creek near Flatwoods, Va.	0.457	0.423	12.1	5.59	4.25	3.49	2.97	2.51
02019000	Catawba Creek near Fincastle, Va.	0.621	0.650	1,055	225	131	93.0	66.0	46.0
02019480	Looney Creek above Long Run at Route 625 near Buchanan, Va.	0.634	0.728	755	115	61.3	39.9	27.2	19.0
02019500	James River at Route 11 at Buchanan, Va.	0.461	0.527	18,500	5,300	3,250	2,310	1,720	1,290
02020200	Calfpasture River near Route 250 near West Augusta, Va.	1.16	1.38	--	59.7	19.9	10.7	6.68	4.17
02020500	Calfpasture River at Route 42 above Mill Creek, at Goshen, Va.	0.925	0.819	1,670	375	210	138	93.0	64.0

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

		Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
Station number	Station description	Flow (ft³/s)					
02011500	Back Creek along Route 39 near Mountain Grove, Va.	51.0	32.0	22.0	16.0	11.0	5.80
02011800	Jackson River below Gathright Dam, near Hot Springs, Va.	238	190	163	126	90.0	63.0
02011830	Hot Springs Run at Bacova Junction, Va.	3.26	2.87	2.57	2.33	2.21	2.01
02011950	Johnson Spring near Hot Springs, Va.	0.840	0.700	0.600	0.510	0.470	0.420
02012000	Falling Spring Creek at Route 220 near Falling Spring, Va.	12.0	10.0	8.50	7.20	6.50	5.80
02012500	Jackson River at Route 687 at Falling Spring, Va.	196	147	114	90.0	78.0	67.0
02013000	Dunlap Creek at Route 60 near Covington, Va.	46.0	32.0	24.0	18.0	16.0	12.0
02013100	Jackson River below Dunlap Creek, at Covington, Va.	327	299	247	200	158	105
02014000	Potts Creek at Route 18 near Covington, Va.	62.0	46.0	35.0	27.0	23.0	19.0
02014500	Smith Creek above old dam, near Clifton Forge, Va.	5.90	4.00	3.10	2.30	2.00	1.60
02015000	Smith Creek near Clifton Forge, Va.	5.80	4.00	2.90	2.10	1.70	1.30
02015075	Smith Creek above Dry Creek at Clifton Forge, Va.	11.1	8.68	6.73	5.32	4.65	3.60
02015300	Wilson Creek at Tukes Trailer Court wastewater outfall near Longdale, Va.	3.77	1.50	0.653	0.324	0.217	0.125
02015600	Cowpasture River at Route 250 near Head Waters, Va.	8.29	4.99	2.92	1.30	0.728	0.294
02015700	Bullpasture River at Route 614 at Williamsville, Va.	66.0	52.0	42.0	35.0	31.0	27.0
02016000	Cowpasture River below Route 633 near Clifton Forge, Va.	196	144	110	87.0	76.0	60.0
02016500	James River below Route 220 at Lick Run, Va.	638	495	385	286	243	201
0201655975	Mill Creek at Route 694 at Gala, Va.	11.7	10.3	8.68	6.57	5.10	2.54
02017000	Meadow Creek above Route 311 at New Castle, Va.	7.90	6.10	4.80	3.40	3.00	2.00
02017500	Johns Creek at Route 615 at New Castle, Va.	38.0	25.0	18.0	13.0	11.0	8.40
02018000	Craig Creek at abandoned railroad bridge at Parr, Va.	125	88.0	64.0	49.0	42.0	34.0
02018500	Catawba Creek at Route 600 near Catawba, Va.	10.0	7.70	5.80	4.20	3.20	1.80
02018850	Borden Creek near Flatwoods, Va.	2.08	1.65	1.25	0.875	0.640	0.371
02019000	Catawba Creek near Fincastle, Va.	34.0	25.0	18.0	11.0	8.00	6.00
02019480	Looney Creek above Long Run at Route 625 near Buchanan, Va.	13.4	9.38	6.49	4.43	3.29	1.99
02019500	James River at Route 11 at Buchanan, Va.	974	736	576	446	378	296
02020200	Calfpasture River near Route 250 near West Augusta, Va.	2.47	1.42	0.778	0.290	0.116	0.014
02020500	Calfpasture River at Route 42 above Mill Creek, at Goshen, Va.	40.0	24.0	14.0	7.60	5.40	2.70

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
Flow (ft³/s)									
02021000	Calfpasture River below Mill Creek at Goshen, Va.	0.719	0.690	1,990	480	248	166	122	89.0
02021080	Alum Creek below Rockbridge Alum Springs near Millboro, Va.	0.980	0.813	18.5	4.88	2.89	2.02	1.46	1.05
02021110	Brattons Run at Route 39 near Goshen, Va.	0.998	1.44	--	--	107	44.3	21.0	8.98
02021500	Maury River above Route 39 at Rockbridge Baths, Va.	0.719	0.700	3,499	894	510	333	225	157
02021653	Hays Creek at Route 602 near Rockbridge Baths, Va.	0.455	0.656	--	184	96.3	64.6	46.0	31.2
02021685	Cedar Grove Branch at Route 712 at Bustleburg, Va.	0.256	0.325	13.6	5.96	4.49	3.86	3.40	3.07
02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	0.355	0.512	324	68.0	41.0	30.0	23.0	17.0
02023000	Maury (North) River above Route 631 near Lexington, Va.	0.538	0.579	4,224	1,130	680	470	340	252
02023500	South River at Route 631 near Riverside, Va.	0.533	0.547	1,053	285	180	128	99.0	75.0
02024000	Maury River near Buena Vista, Va.	0.519	0.559	5,234	1,510	908	631	466	347
02024208	Indian Gap Run at factory at Buena Vista, Va.	0.528	0.561	11.8	3.24	1.93	1.34	1.01	0.768
02024300	Buffalo Creek at Route 608 near Glasgow, Va.	0.260	0.508	1,011	202	107	72.0	57.0	40.0
02024500	Maury (North) River at Route 130 near Glasgow, Va.	0.467	0.533	7,813	2,040	1,300	920	650	498
02024750	James River at Bedford Dam near Major, Va.	--	0.687	17,275	4,462	2,589	1,720	1,120	741
02024752	James River at Blue Ridge Parkway near Big Island, Va.	0.352	0.494	24,620	7,780	4,810	3,370	2,520	1,700
02024760	Reed Creek at Route 637 near Big Island, Va.	0.527	0.495	50.6	21.4	15.2	12.2	10.3	8.43
02024765	Meadow Creek at Route 637 near Big Island, Va.	0.800	0.887	40.0	16.0	11.1	8.69	7.08	5.55
02024900	Pedlar River at Route 60 below Davis Mill Creek near Buena Vista, Va.	0.570	0.665	403	74.7	39.4	25.6	18.1	13.2
02024915	Pedlar River at Forest Road 39 near Buena Vista, Va.	0.609	0.584	264	93.0	64.2	52.0	44.0	39.0
02025000	Pedlar River at Route 635 near Pedlar Mills, Va.	0.664	0.634	785	214	140	103	80.0	60.0
02025500	James River at Holcomb(s) Rock, Va.	0.458	0.513	25,640	7,910	4,820	3,460	2,640	2,020
02025850	Ivy Creek below Ivy Hill Lake near Norwood, Va.	1.01	1.14	--	--	65.3	33.9	19.3	10.9
02025863	Ivy Creek at Route 501 at Lynchburg, Va.	0.527	0.565	175	49.9	34.9	28.1	23.4	19.1
02025868	Blackwater Creek at Route 501 (Alternate) at Lynchburg, Va.	0.483	0.520	368	116	72.2	51.5	38.8	29.5
0202587150	Fishing Creek at Winchester Road at Lynchburg, Va.	0.896	1.06	616	30.4	13.8	8.74	5.98	4.14
0202588530	Opossum Creek at Route 460 near Lynchburg, Va.	0.497	0.594	148	31.3	17.9	12.4	9.15	6.58
02025890	Tussocky Creek tributary at Evergreen wastewater outfall near City Farm, Va.	0.567	0.599	--	--	514	356	256	181
02025907	Beaver Creek at Route 609 near Lynchburg, Va.	0.428	0.511	299	78.5	48.4	35.4	27.2	20.5

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
02021000	Calfpasture River below Mill Creek at Goshen, Va.	59.0	37.0	25.0	17.0	14.0	9.00
02021080	Alum Creek below Rockbridge Alum Springs near Millboro, Va.	0.709	0.417	0.212	0.110	0.065	0.032
02021110	Brattons Run at Route 39 near Goshen, Va.	5.21	2.64	1.50	0.901	0.552	0.289
02021500	Maury River above Route 39 at Rockbridge Baths, Va.	104	68.0	44.0	30.0	24.0	16.0
02021653	Hays Creek at Route 602 near Rockbridge Baths, Va.	24.4	17.9	13.8	11.0	8.77	6.53
02021685	Cedar Grove Branch at Route 712 at Bustleburg, Va.	2.77	2.48	2.15	1.70	1.35	0.710
02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	14.0	11.0	9.00	7.50	6.30	5.00
02023000	Maury (North) River above Route 631 near Lexington, Va.	177	130	97.0	73.0	61.0	46.0
02023500	South River at Route 631 near Riverside, Va.	54.0	37.0	28.0	22.0	19.0	15.0
02024000	Maury River near Buena Vista, Va.	258	191	140	105	89.0	65.0
02024208	Indian Gap Run at factory at Buena Vista, Va.	0.573	0.429	0.313	0.228	0.187	0.140
02024300	Buffalo Creek at Route 608 near Glasgow, Va.	33.0	27.0	24.0	22.0	21.0	20.0
02024500	Maury (North) River at Route 130 near Glasgow, Va.	385	311	250	170	151	108
02024750	James River at Bedford Dam near Major, Va.	445	209	98.9	--	--	--
02024752	James River at Blue Ridge Parkway near Big Island, Va.	1,260	1,020	861	756	694	582
02024760	Reed Creek at Route 637 near Big Island, Va.	6.83	5.36	3.93	2.51	1.81	0.785
02024765	Meadow Creek at Route 637 near Big Island, Va.	4.04	2.83	1.73	0.878	0.417	0.017
02024900	Pedlar River at Route 60 below Davis Mill Creek near Buena Vista, Va.	9.57	6.97	4.99	3.55	2.78	1.89
02024915	Pedlar River at Forest Road 39 near Buena Vista, Va.	32.0	26.0	17.0	9.60	5.30	1.70
02025000	Pedlar River at Route 635 near Pedlar Mills, Va.	44.0	30.0	21.0	13.0	9.50	4.06
02025500	James River at Holcomb(s) Rock, Va.	1,550	1,180	908	704	595	445
02025850	Ivy Creek below Ivy Hill Lake near Norwood, Va.	6.08	3.60	2.02	1.07	0.656	0.291
02025863	Ivy Creek at Route 501 at Lynchburg, Va.	15.5	12.0	8.49	5.67	4.22	1.10
02025868	Blackwater Creek at Route 501 (Alternate) at Lynchburg, Va.	22.4	16.9	12.7	9.72	8.33	6.22
0202587150	Fishing Creek at Winchester Road at Lynchburg, Va.	2.80	1.85	1.09	0.526	0.259	0.047
0202588530	Opossum Creek at Route 460 near Lynchburg, Va.	4.62	3.40	2.57	2.09	1.79	1.35
02025890	Tussocky Creek tributary at Evergreen wastewater outfall near City Farm, Va.	125	88.0	64.0	49.0	42.0	34.0
02025907	Beaver Creek at Route 609 near Lynchburg, Va.	15.1	11.6	9.13	7.66	6.68	5.23

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
Flow (ft³/s)									
02025970	Wreck Island Creek above quarries near Riverville, Va.	0.510	0.641	1,620	256	138	92.9	67.2	49.5
02025974	Wreck Island Creek at Route 605 near Riverville, Va.	0.442	0.637	1,079	155	82.6	56.0	40.3	27.6
02025998	Bent Creek at Route 26 at Bent Creek, Va.	0.352	0.380	104	42.2	32.2	27.2	23.5	20.4
02026000	James River above Route 60 at Bent Creek, Va.	0.456	0.500	27,200	8,890	5,730	4,190	3,210	2,480
02026500	Tye River at Roseland, Va.	0.689	0.668	955	284	182	132	103	83.0
02027000	Tye River at Route 158 near Lovington, Va.	0.662	0.612	983	323	217	163	129	101
02027500	Piney River at Route 151 at Piney River, Va.	0.729	0.638	584	199	132	98.0	76.0	59.0
02027600	Buffalo River at Route 610 at Forks of Buffalo, Va.	0.778	0.782	528	97.4	57.6	40.4	29.7	22.1
02027670	Buffalo River at Route 29 near Amherst, Va.	0.492	0.487	418	155	112	89.8	74.8	62.3
02027700	Buffalo River tributary at Route 60 near Amherst, Va.	0.369	0.319	1.05	0.709	0.591	0.513	0.450	0.392
02027800	Buffalo River at Route 657 near Tye River, Va.	0.518	0.518	1,030	320	214	169	138	112
02028000	Tye (Buffalo) River near Norwood, Va.	0.493	0.498	2,560	954	666	513	405	320
02028500	Rockfish River at Route 634 near Greenfield, Va.	0.704	0.663	945	299	190	141	112	86.0
02028700	Cove Creek at Route 29 near Coveseville, Va.	0.730	0.787	128	19.7	11.3	7.94	5.86	4.36
02028823	Ballinger Creek at Route 626 near Warren, Va.	0.720	0.678	74.2	22.9	14.4	10.6	8.37	6.39
02028850	Rock Island Creek at Route 723 near Centenary, Va.	0.388	0.492	45.5	13.1	8.53	6.79	5.59	4.81
02029000	James River below Route 20 at Scottsville, Va.	0.487	0.506	33,600	10,900	7,100	5,224	4,080	3,190
02029050	Little Georgia Creek at Route 679 near Scottsville, Va.	0.563	0.553	13.6	5.11	3.68	2.94	2.41	1.94
02029190	North Fork Hardware River at Route 708 near Red Hill, Va.	0.317	0.293	8.40	4.93	4.07	3.55	3.17	2.82
02029200	North Fork Hardware River at Route 29 at Red Hill, Va.	0.707	0.762	366	60.0	34.9	24.8	18.5	13.9
02029400	South Branch of North Fork Hardware River at Route 29 near North Garden, Va.	1.03	0.956	389	68.4	36.7	23.5	16.3	11.1
02029500	Hardware River at Route 618 near Scottsville, Va.	0.471	0.576	953	216	144	110	90.0	71.0
02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	0.523	0.564	900	236	158	123	99.0	80.0
02030030	Hardware River at Route 646 at Hardware, Va.	0.391	0.384	328	166	132	113	98.3	84.6
02030150	Slate River at Route 60 at Buckingham, Va.	0.452	0.448	191	76.6	56.9	46.4	39.2	33.1
02030180	Austin Creek at Route 607 near Buckingham, Va.	0.426	0.510	22.3	5.87	3.62	2.65	2.04	1.54
02030195	North River at Route 648 near Buckingham, Va.	0.409	0.441	87.8	30.8	22.5	18.5	15.6	13.2
02030215	Troublesome Creek at Route 631 near Buckingham, Va.	0.635	0.799	92.4	9.27	4.30	2.63	1.76	1.20

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
02025970	Wreck Island Creek above quarries near Riverville, Va.	36.5	26.9	20.0	15.3	12.5	8.50
02025974	Wreck Island Creek at Route 605 near Riverville, Va.	21.7	16.1	12.5	10.00	8.05	6.04
02025998	Bent Creek at Route 26 at Bent Creek, Va.	17.5	14.8	12.1	9.05	6.89	3.79
02026000	James River above Route 60 at Bent Creek, Va.	1,910	1,460	1,130	867	717	500
02026500	Tye River at Roseland, Va.	60.0	42.0	28.0	17.0	8.00	4.00
02027000	Tye River at Route 158 near Lovington, Va.	77.0	55.0	37.0	22.0	14.0	6.36
02027500	Piney River at Route 151 at Piney River, Va.	45.0	31.0	20.0	11.0	6.80	3.50
02027600	Buffalo River at Route 610 at Forks of Buffalo, Va.	16.1	11.0	7.09	3.69	2.07	0.672
02027670	Buffalo River at Route 29 near Amherst, Va.	50.9	40.3	30.4	20.1	14.4	6.53
02027700	Buffalo River tributary at Route 60 near Amherst, Va.	0.342	0.288	0.232	0.167	0.128	0.085
02027800	Buffalo River at Route 657 near Tye River, Va.	91.0	71.0	53.0	34.0	24.0	13.0
02028000	Tye (Buffalo) River near Norwood, Va.	260	205	150	103	76.0	42.0
02028500	Rockfish River at Route 634 near Greenfield, Va.	65.0	47.0	31.0	17.0	11.0	3.60
02028700	Cove Creek at Route 29 near Covesville, Va.	3.19	2.26	1.49	0.812	0.461	0.134
02028823	Ballinger Creek at Route 626 near Warren, Va.	4.80	3.44	2.25	1.22	0.780	0.249
02028850	Rock Island Creek at Route 723 near Centenary, Va.	4.11	3.47	2.81	1.97	1.39	0.524
02029000	James River below Route 20 at Scottsville, Va.	2,490	1,900	1,420	1,040	835	578
02029050	Little Georgia Creek at Route 679 near Scottsville, Va.	1.53	1.23	0.894	0.529	0.322	0.125
02029190	North Fork Hardware River at Route 708 near Red Hill, Va.	2.48	2.11	1.75	1.36	1.10	0.751
02029200	North Fork Hardware River at Route 29 at Red Hill, Va.	10.3	7.36	4.90	2.73	1.58	0.477
02029400	South Branch of North Fork Hardware River at Route 29 near North Garden, Va.	7.29	4.31	2.32	1.03	0.510	0.149
02029500	Hardware River at Route 618 near Scottsville, Va.	57.0	45.0	34.0	24.0	19.0	5.00
02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	64.0	50.0	37.0	24.0	16.0	6.60
02030030	Hardware River at Route 646 at Hardware, Va.	71.9	61.6	49.5	34.4	24.4	12.6
02030150	Slate River at Route 60 at Buckingham, Va.	27.5	22.2	17.1	11.7	8.60	4.15
02030180	Austin Creek at Route 607 near Buckingham, Va.	1.14	0.873	0.687	0.577	0.503	0.395
02030195	North River at Route 648 near Buckingham, Va.	11.1	9.16	7.23	5.16	3.76	1.88
02030215	Troublesome Creek at Route 631 near Buckingham, Va.	0.820	0.561	0.388	0.278	0.216	0.134

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
02030300	Slate River at Route 20 near Dillwyn, Va.	0.528	0.630	1,899	305	185	139	112	90.5
02030400	Turpin Creek near Dillwyn, Va.	0.428	0.500	7.77	2.19	1.35	0.979	0.755	0.595
02030500	Slate River above Route 676 near Arvonnia, Va.	0.495	0.589	2,160	390	244	187	153	125
02030760	North Creek at Route 652 at Fork Union, Va.	0.406	0.386	1.54	0.972	0.813	0.719	0.637	0.559
02030850	Stockton Creek at Route 635 near Crozet, Va.	0.793	0.797	374	66.8	39.1	27.2	19.9	14.8
02030895	Mechums River at Route 250 at Mechums River, Va.	0.853	0.995	--	--	386	202	121	75.2
02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	0.577	0.619	773	195	132	104	85.0	68.0
02031500	North Fork Moormans River above Charlottesville Reservoir near White Hall, Va.	1.09	0.852	170	40.0	21.0	13.0	8.90	6.10
02031750	South Fork Moormans River above Charlottesville Reservoir near White Hall, Va.	1.55	1.36	506	52.7	22.3	11.8	6.65	3.65
02032000	Moormans River below Charlottesville Reservoir near White Hall, Va.	--	0.853	160	37.0	24.0	17.0	10.0	4.60
02032250	Moormans River at Route 601 near Free Union, Va.	0.877	0.802	821	217	124	90.0	65.0	46.0
02032400	Buck Mountain Creek at Route 665 near Free Union, Va.	0.680	0.691	399	88.0	54.0	39.0	30.0	23.0
02032500	South Fork Rivanna River at Route 660 near Earlysville, Va.	0.740	0.730	1,420	410	260	186	135	99.0
02032515	South Fork Rivanna River at Route 29 near Charlottesville, Va.	0.678	0.645	2,335	614	390	292	233	181
02032545	Ivy Creek at Route 601 near Boonesville, Va.	1.34	1.38	257	33.2	15.7	9.29	5.67	3.53
02032640	North Fork Rivanna River at Route 606 near Earlysville, Va.	0.731	0.758	1,180	267	159	117	90.0	70.0
02032680	North Fork Rivanna River at Route 649 near Proffit, Va.	0.642	0.651	1,850	435	273	205	164	132
0203269950	Schenks Branch at McIntire Road at Charlottesville, Va.	0.334	0.290	1.33	0.971	0.874	0.818	0.760	0.699
02032867	Meadow Creek at Holmes Avenue at Charlottesville, Va.	0.347	0.415	40.3	13.6	9.17	7.11	5.75	4.56
02033390	Biscuit Run at Southwood wastewater outfall near Charlottesville, Va.	0.525	0.511	82.3	30.4	20.2	14.8	11.1	8.55
02033495	Moores Creek above wastewater outfall near Charlottesville, Va.	0.573	0.500	81.4	36.3	28.3	24.1	20.9	17.9
02033500	Rivanna River below Moores Creek near Charlottesville, Va.	0.669	0.617	3,187	856	560	425	341	280
02033570	Shadwell Creek near Shadwell, Va.	0.574	0.618	2.92	0.672	0.433	0.329	0.259	0.205
02033750	Buck Island Creek below Route 729 below Houchins Creek near Simeon, Va.	1.05	1.13	1,402	96.1	43.0	26.1	16.9	11.0
02033800	Mechunk Creek at Route 250 near Boyd Tavern near Zion Crossroads, Va.	0.876	0.867	551	94.1	52.9	35.6	25.7	18.5
02034000	Rivanna River at Route 15 at Palmyra, Va.	0.607	0.607	5,540	1,400	889	663	527	417
02034300	Little Willis River at Route 15 at Curdsville, Va.	0.384	0.447	25.9	8.34	5.47	4.07	3.16	2.51
02034500	Willis River at Route 690 at Lakeside Village (Flanagan Mills), Va.	0.595	0.631	1,800	558	306	217	165	126

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
02030300	Slate River at Route 20 near Dillwyn, Va.	71.3	55.5	42.1	26.8	17.6	6.75
02030400	Turpin Creek near Dillwyn, Va.	0.468	0.369	0.286	0.222	0.185	0.138
02030500	Slate River above Route 676 near Arvonnia, Va.	100	79.0	61.0	40.0	27.0	11.0
02030760	North Creek at Route 652 at Fork Union, Va.	0.481	0.404	0.321	0.219	0.155	0.060
02030850	Stockton Creek at Route 635 near Crozet, Va.	10.7	7.21	4.62	2.38	1.32	0.419
02030895	Mechums River at Route 250 at Mechums River, Va.	46.5	29.0	17.5	10.6	7.32	4.10
02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	54.0	41.0	28.0	18.0	13.0	2.97
02031500	North Fork Moormans River above Charlottesville Reservoir near White Hall, Va.	3.80	2.20	1.20	0.500	0.200	0.000
02031750	South Fork Moormans River above Charlottesville Reservoir near White Hall, Va.	1.87	0.845	0.364	0.102	0.041	0.010
02032000	Moormans River below Charlottesville Reservoir near White Hall, Va.	0.300	0.000	0.000	0.000	0.000	0.000
02032250	Moormans River at Route 601 near Free Union, Va.	33.0	21.0	12.0	6.10	3.80	1.10
02032400	Buck Mountain Creek at Route 665 near Free Union, Va.	17.0	12.0	8.40	4.80	2.90	1.10
02032500	South Fork Rivanna River at Route 660 near Earlysville, Va.	69.0	52.0	35.0	18.0	9.20	3.40
02032515	South Fork Rivanna River at Route 29 near Charlottesville, Va.	137	101	68.0	38.0	22.0	11.0
02032545	Ivy Creek at Route 601 near Boonesville, Va.	1.83	0.981	0.491	0.160	0.060	0.002
02032640	North Fork Rivanna River at Route 606 near Earlysville, Va.	52.0	36.0	23.0	13.0	7.40	1.57
02032680	North Fork Rivanna River at Route 649 near Proffit, Va.	103	79.0	54.0	30.0	21.0	6.00
0203269950	Schenks Branch at McIntire Road at Charlottesville, Va.	0.631	0.557	0.455	0.324	0.239	0.122
02032867	Meadow Creek at Holmes Avenue at Charlottesville, Va.	3.57	2.88	2.37	2.05	1.84	1.51
02033390	Biscuit Run at Southwood wastewater outfall near Charlottesville, Va.	6.33	4.64	3.38	2.55	2.17	1.61
02033495	Moores Creek above wastewater outfall near Charlottesville, Va.	14.5	11.3	8.24	4.79	3.11	1.22
02033500	Rivanna River below Moores Creek near Charlottesville, Va.	217	172	114	60.0	34.0	19.0
02033570	Shadwell Creek near Shadwell, Va.	0.160	0.122	0.088	0.055	0.035	0.013
02033750	Buck Island Creek below Route 729 below Houchins Creek near Simeon, Va.	7.05	4.30	2.35	0.989	0.439	0.075
02033800	Mechunk Creek at Route 250 near Boyd Tavern near Zion Crossroads, Va.	12.9	8.55	5.16	2.47	1.37	0.334
02034000	Rivanna River at Route 15 at Palmyra, Va.	326	244	174	103	69.0	32.0
02034300	Little Willis River at Route 15 at Curdsville, Va.	2.00	1.56	1.25	1.04	0.931	0.770
02034500	Willis River at Route 690 at Lakeside Village (Flanagan Mills), Va.	96.0	72.0	53.0	32.0	21.0	9.40

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
02035000	James River at Route 45 at Cartersville, Va.	0.497	0.515	45,448	15,000	9,710	7,176	5,656	4,430
02035098	Deep Creek at Route 684 (Route 27) at Provost, Va.	0.554	0.597	280	67.9	44.4	34.1	27.1	21.6
02035500	Big Lickinghole Creek at Route 600 near Goochland, Va.	0.437	0.470	397	112	74.0	59.0	52.0	41.0
02036000	Beaverdam Creek at Route 6 at State Farm, Va.	0.419	0.508	231	54.0	38.0	30.2	24.0	21.0
02036500	Fine Creek at Route 711 at Fine Creek Mills, Va.	0.719	0.692	162	38.0	25.0	18.0	14.0	11.0
0203667510	Tuckahoe Creek tributary 1 at Route 288 near Centerville, Va.	0.551	0.699	0.180	0.031	0.017	0.012	0.009	0.007
0203668775	Tuckahoe Creek at railroad bridge near Tuckahoe Village, Va.	1.28	1.49	--	1,740	360	151	79.2	40.0
02037000	James River and Kanawha Canal near Richmond, Va.	1.89	1.01	1,100	973	910	870	820	769
02037500	James River above Route 147 near Richmond, Va.	0.628	0.723	48,380	15,100	9,540	7,000	5,420	4,180
02037800	Falling Creek at Route 653 near Midlothian, Va.	1.18	1.10	632	130	74.0	49.9	34.1	22.7
02038000	Falling Creek at Route 651 near Chesterfield, Va.	0.806	0.726	288	69.6	43.0	29.0	21.0	16.0
02038500	Falling Creek at Hopkins Road near Drewrys Bluff, Va.	0.883	0.860	426	120	77.0	54.0	40.0	29.0
02038730	Fourmile Creek at Doran Road near Richmond Heights, Va.	0.442	0.410	4.46	2.47	2.00	1.72	1.50	1.28
0203873175	Fourmile Creek at Kingsland Road near Richmond Heights, Va.	0.625	0.553	24.6	8.98	6.07	4.57	3.50	2.72
02038780	Johnson Creek at Route 746 near Rivermont, Va.	0.834	0.745	7.16	2.01	1.35	1.04	0.812	0.623
02038824	Suanee Creek at Route 627 near Hixburg, Va.	0.445	0.530	68.6	14.7	9.67	7.62	6.36	5.30
02038830	Fishpond Creek at Route 617 near Hixburg, Va.	0.265	0.455	49.8	22.0	14.0	11.0	6.88	5.70
02038840	Holiday Creek near Toga, Va.	0.436	0.470	12.9	4.21	3.01	2.44	2.04	1.71
02038850	Holiday Creek above Route 614 near Andersonville, Va.	0.503	0.586	69.0	14.0	9.50	7.50	6.10	5.10
02038880	Vaughans Creek at Route 626 near Hixburg, Va.	0.226	0.286	40.4	23.0	14.0	12.0	10.0	9.70
0203888120	Vaughans Creek at Route 609 near Prospect, Va.	0.366	0.436	122	34.4	24.3	20.0	17.2	14.8
02038892	Horsepen Creek at Route 683 near Sheppards, Va.	0.258	0.372	20.5	6.58	4.56	3.63	2.99	2.40
02038945	Spring Creek at Route 659 near Darlington Heights, Va.	0.446	0.412	49.5	23.4	17.9	14.8	12.6	10.7
02038955	Mud Creek at Route 659 near Darlington Heights, Va.	0.338	0.362	22.1	9.88	7.87	6.84	6.08	5.34
02038970	Spring Creek at Route 700 near Hampden Sydney, Va.	0.426	0.457	130	47.1	35.3	29.6	25.5	21.7
02039000	Buffalo Creek at Route 658 near Hampden Sydney, Va.	0.393	0.487	481	118	76.0	61.0	50.0	42.0
02039500	Appomattox River at Route 45 at Farmville, Va.	0.439	0.539	2,400	522	324	248	201	165
02039525	Bush River at Route 630 near Worsham, Va.	0.242	0.230	22.1	16.9	15.1	14.1	13.1	12.1

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
02035000	James River at Route 45 at Cartersville, Va.	3,460	2,620	1,940	1,410	1,110	690
02035098	Deep Creek at Route 684 (Route 27) at Provost, Va.	17.1	13.1	9.55	6.04	3.93	1.54
02035500	Big Lickinghole Creek at Route 600 near Goochland, Va.	30.0	21.0	17.0	15.0	12.6	8.31
02036000	Beaverdam Creek at Route 6 at State Farm, Va.	17.0	13.0	11.0	8.00	4.68	2.70
02036500	Fine Creek at Route 711 at Fine Creek Mills, Va.	8.30	6.00	4.00	2.10	1.10	0.490
0203667510	Tuckahoe Creek tributary 1 at Route 288 near Centerville, Va.	0.006	0.005	0.003	0.002	0.001	0.000
0203668775	Tuckahoe Creek at railroad bridge near Tuckahoe Village, Va.	20.9	12.1	5.54	2.08	0.954	0.025
02037000	James River and Kanawha Canal near Richmond, Va.	448	191	70.0	10.0	0.860	0.000
02037500	James River above Route 147 near Richmond, Va.	3,180	2,280	1,560	985	618	77.0
02037800	Falling Creek at Route 653 near Midlothian, Va.	13.3	8.30	4.34	1.49	0.520	0.069
02038000	Falling Creek at Route 651 near Chesterfield, Va.	11.0	7.00	4.40	2.50	1.60	0.870
02038500	Falling Creek at Hopkins Road near Drewrys Bluff, Va.	21.0	14.0	8.60	3.80	1.70	0.300
02038730	Fourmile Creek at Doran Road near Richmond Heights, Va.	1.05	0.881	0.692	0.464	0.313	0.147
0203873175	Fourmile Creek at Kingsland Road near Richmond Heights, Va.	1.98	1.40	0.974	0.645	0.512	0.320
02038780	Johnson Creek at Route 746 near Rivermont, Va.	0.446	0.307	0.195	0.091	0.042	0.016
02038824	Suanee Creek at Route 627 near Hixburg, Va.	4.34	3.51	2.78	1.91	1.34	0.597
02038830	Fishpond Creek at Route 617 near Hixburg, Va.	4.90	4.40	3.80	3.10	1.94	1.13
02038840	Holiday Creek near Toga, Va.	1.42	1.15	0.897	0.625	0.445	0.213
02038850	Holiday Creek above Route 614 near Andersonville, Va.	4.10	3.20	2.50	1.60	0.980	0.350
02038880	Vaughans Creek at Route 626 near Hixburg, Va.	8.80	8.40	7.70	5.77	4.89	3.60
0203888120	Vaughans Creek at Route 609 near Prospect, Va.	12.6	10.6	8.74	6.40	4.78	2.46
02038892	Horsepen Creek at Route 683 near Sheppards, Va.	2.09	1.75	1.51	1.33	1.17	0.988
02038945	Spring Creek at Route 659 near Darlington Heights, Va.	8.92	7.11	5.45	3.84	2.83	1.66
02038955	Mud Creek at Route 659 near Darlington Heights, Va.	4.66	3.97	3.17	2.45	2.03	0.854
02038970	Spring Creek at Route 700 near Hampden Sydney, Va.	18.3	14.9	11.2	8.12	6.38	2.15
02039000	Buffalo Creek at Route 658 near Hampden Sydney, Va.	36.0	30.0	24.0	17.0	13.0	6.20
02039500	Appomattox River at Route 45 at Farmville, Va.	135	110	87.0	60.0	44.0	20.0
02039525	Bush River at Route 630 near Worsham, Va.	11.1	9.97	8.70	6.93	5.63	3.18

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
Flow (ft³/s)									
02039550	Bush River at Route 460 near Rice, Va.	0.605	0.873	--	--	40.6	23.9	15.2	9.07
02039580	Tanyard Branch at Route 646 near Hampden Syndey, Va.	0.511	0.457	4.09	1.88	1.47	1.26	1.08	0.917
02039600	Briery Creek at Route 460 (Business) near Rice, Va.	0.579	0.500	63.0	34.1	25.6	20.5	16.7	13.4
02039680	Little Sandy Creek at Route 612 near Moran, Va.	0.733	0.790	65.5	10.0	5.71	4.02	2.96	2.20
02039700	Sandy River at Route 460 near Rice, Va.	1.26	1.36	--	--	182	99.6	59.0	35.3
02039760	Saylers Creek above Little Saylers Creek near Rice, Va.	0.619	0.664	73.1	16.7	11.0	8.50	6.85	5.39
02039780	Little Saylers Creek above mouth near Rice, Va.	0.606	0.651	86.8	20.4	13.5	10.5	8.53	6.75
02039800	Angola Creek at Route 664 near Angola, Va.	0.610	0.599	17.1	5.90	4.13	3.24	2.61	2.06
02040000	Appomattox River at railroad bridge at Mattoax, Va.	0.527	0.584	4,858	1,570	847	615	482	380
02040500	Flat Creek at Route 681 near Amelia, Va.	1.24	0.920	1,116	155	79.2	54.4	38.0	25.4
02040590	Nibbs Creek above Courthouse Branch near Amelia Court House, Va.	0.700	0.648	57.6	17.7	11.6	8.60	6.71	5.18
02041000	Deep Creek above Route 153 near Mannboro, Va.	0.693	0.763	1,390	283	172	126	97.0	74.0
02041130	Winticomack Creek at Route 622 near Winterpock, Va.	0.957	0.707	192	42.0	25.1	18.8	14.2	10.4
02041150	Winterpock Creek at Route 664 near Winterpock, Va.	0.857	0.944	22.6	3.16	1.71	1.16	0.841	0.601
02041500	Appomattox River near Petersburg, Va.	0.537	0.577	7,220	2,806	1,500	1,080	860	678
02041650	Appomattox River at Route 600 at Matoaca, Va.	0.709	0.665	10,100	3,260	1,670	1,180	892	680
02041700	Cattail Run above Route 1 at Petersburg, Va.	0.934	1.05	454	35.4	14.1	7.10	3.97	2.20
02041790	Harrison Branch near Colonial Heights, Va.	0.527	0.459	0.645	0.395	0.334	0.301	0.268	0.235
02041810	Swift Creek at Route 667 near Hallsboro, Va.	1.57	1.40	183	16.7	7.86	4.88	3.04	1.84
02041820	Blackman Creek at Route 667 near Hallsboro, Va.	1.30	1.37	433	32.5	14.8	8.91	5.46	3.24
02041830	Horsepen Creek at Route 667 near Hallsboro, Va.	1.18	1.03	41.0	7.81	4.71	3.38	2.53	1.84
02041832	Deep Creek above Swift Creek Reservoir near Hallsboro, Va.	1.37	1.27	114	15.9	8.49	5.78	4.18	2.90
02041840	Otterdale Branch at Route 667 near Hallsboro, Va.	1.26	0.934	33.6	4.54	2.29	1.56	1.09	0.720
02041850	Tomahawk Creek at Route 652 near Hallsboro, Va.	1.23	1.30	226	19.4	9.21	5.68	3.57	2.17
02041860	Little Tomahawk Creek at Route 652 near Hallsboro, Va.	1.23	1.31	125	10.6	5.04	3.10	1.95	1.19
02041862	Little Tomahawk Creek tributary 1 near Hallsboro, Va.	0.751	0.958	9.30	0.616	0.243	0.130	0.075	0.046
0204186350	Swift Creek tributary 1 near Hallsboro, Va.	0.802	0.860	2.27	0.335	0.195	0.140	0.106	0.077
02041870	Dry Creek above Route 360 near Winterpock, Va.	1.40	1.44	49.0	5.80	2.65	1.53	0.916	0.558

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft³/s)					
02039550	Bush River at Route 460 near Rice, Va.	6.52	4.32	3.07	2.25	1.67	1.13
02039580	Tanyard Branch at Route 646 near Hampden Syndey, Va.	0.747	0.594	0.450	0.282	0.176	0.096
02039600	Briery Creek at Route 460 (Business) near Rice, Va.	10.9	8.28	5.91	3.54	2.33	1.22
02039680	Little Sandy Creek at Route 612 near Moran, Va.	1.61	1.14	0.746	0.406	0.230	0.067
02039700	Sandy River at Route 460 near Rice, Va.	20.6	11.3	5.48	1.93	0.724	0.085
02039760	Saylers Creek above Little Saylers Creek near Rice, Va.	4.21	3.13	2.08	1.30	0.914	0.188
02039780	Little Saylers Creek above mouth near Rice, Va.	5.30	3.97	2.66	1.67	1.19	0.252
02039800	Angola Creek at Route 664 near Angola, Va.	1.60	1.26	0.894	0.507	0.296	0.106
02040000	Appomattox River at railroad bridge at Mattoax, Va.	300	234	175	113	81.0	34.0
02040500	Flat Creek at Route 681 near Amelia, Va.	16.2	9.44	4.58	1.45	0.674	--
02040590	Nibbs Creek above Courthouse Branch near Amelia Court House, Va.	3.89	2.72	1.79	1.03	0.640	0.278
02041000	Deep Creek above Route 153 near Mannboro, Va.	57.0	42.0	29.0	15.0	7.10	1.70
02041130	Winticomack Creek at Route 622 near Winterpock, Va.	7.40	4.88	2.80	1.15	0.641	--
02041150	Winterpock Creek at Route 664 near Winterpock, Va.	0.435	0.298	0.189	0.084	0.033	0.006
02041500	Appomattox River near Petersburg, Va.	526	410	306	197	135	58.0
02041650	Appomattox River at Route 600 at Matoaca, Va.	507	364	240	133	94.0	47.0
02041700	Cattail Run above Route 1 at Petersburg, Va.	1.19	0.658	0.411	0.257	0.212	0.132
02041790	Harrison Branch near Colonial Heights, Va.	0.200	0.164	0.119	0.070	0.043	0.015
02041810	Swift Creek at Route 667 near Hallsboro, Va.	0.985	0.485	0.206	0.049	0.011	0.002
02041820	Blackman Creek at Route 667 near Hallsboro, Va.	1.88	1.10	0.582	0.163	0.061	0.002
02041830	Horsepen Creek at Route 667 near Hallsboro, Va.	1.19	0.710	0.374	0.123	0.051	0.007
02041832	Deep Creek above Swift Creek Reservoir near Hallsboro, Va.	1.74	1.01	0.487	0.125	0.037	0.002
02041840	Otterdale Branch at Route 667 near Hallsboro, Va.	0.458	0.264	0.127	0.039	0.018	--
02041850	Tomahawk Creek at Route 652 near Hallsboro, Va.	1.30	0.782	0.427	0.128	0.050	0.002
02041860	Little Tomahawk Creek at Route 652 near Hallsboro, Va.	0.706	0.426	0.232	0.069	0.027	0.001
02041862	Little Tomahawk Creek tributary 1 near Hallsboro, Va.	0.029	0.018	0.012	0.008	0.006	0.005
0204186350	Swift Creek tributary 1 near Hallsboro, Va.	0.056	0.038	0.023	0.012	0.008	0.001
02041870	Dry Creek above Route 360 near Winterpock, Va.	0.282	0.147	0.071	0.022	0.008	0.000

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

				Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
Station number	Station description	Base-flow contribution index	Lane's variability index	Flow (ft³/s)					
02041880	Ashbrook Creek (Dry Creek tributary 1) near Winterpock, Va.	1.01	1.07	109	14.5	7.90	5.32	3.63	2.42
02041888	West Branch above Swift Creek Reservoir near Hallsboro, Va.	0.936	1.04	49.1	6.60	2.20	1.25	0.809	0.530
02041890	West Branch near Swift Creek Reservoir near Hallsboro, Va.	1.68	1.24	60.1	4.18	1.69	1.01	0.625	0.361
02042000	Swift Creek at Bradley Bridge Road near Chester, Va.	0.795	0.744	1,120	349	216	154	115	81.0
02042050	Franks Branch at Route 626 at Colonial Heights, Va.	1.11	1.17	276	30.3	15.5	10.0	6.61	4.23
02042075	Bailey Creek at Fort Lee near Jefferson Park, Va.	0.420	0.375	3.14	1.66	1.35	1.19	1.05	0.919
02042080	Bailey Creek at Route 156 at Hopewell, Va.	0.347	0.436	69.8	19.9	13.1	9.98	8.01	6.51
02042140	Powell Creek at Route 10 at Garysville, Va.	0.351	0.337	22.4	11.1	9.01	7.68	6.79	6.04
02042160	West Run at Route 625 at Barnetts, Va.	0.929	0.800	1,530	603	405	296	224	170
02042190	Courthouse Creek above Glebe Creek at Charles City, Va.	0.417	0.396	4.29	2.68	2.23	1.97	1.74	1.52
02042250	Bailey Branch tributary at Route 10 at Spring Grove, Va.	0.284	0.281	1.75	0.985	0.817	0.719	0.646	0.581
02042272	Chickahominy River tributary 13 near Glen Allen, Va.	0.547	0.527	10.2	3.38	2.46	1.91	1.58	1.32
02042275	Chickahominy River at Route 625 near Glen Allen, Va.	1.61	1.41	944	87.2	35.2	18.2	10.4	5.93
02042283	--	--	0.910	0.083	0.005	0.001	0.000	0.000	0.000
02042284	Stony Run at Route 656 near Greenwood, Va.	1.57	1.30	266	31.7	13.7	7.75	4.61	2.72
02042287	Chickahominy River at Route 301 near Atlee, Va.	1.24	1.20	541	129	73.0	48.0	32.0	21.0
02042288	Chickahominy River at Route 627 near Richmond, Va.	0.904	0.798	314	96.3	62.2	45.1	33.9	24.8
02042400	Jordans Branch at Route 250 at Richmond, Va.	2.39	2.07	181	14.2	4.35	1.74	0.745	0.303
02042426	Upham Brook at Wilkinson Road near Richmond, Va.	0.865	0.879	512	88.6	39.0	24.0	16.0	11.0
02042433	Beaverdam Creek at Route 156 at Mechanicsville, Va.	0.323	0.401	59.8	16.4	11.5	9.08	7.53	6.30
02042435	Chickahominy River at Route 615 at Highland Springs, Va.	1.03	0.851	849	211	122	83.9	59.6	42.3
02042440	Chickahominy River at Route 156 near Seven Pines, Va.	0.636	0.591	475	203	150	121	98.7	79.2
02042455	White Oak Swamp at Route 156 at Elko, Va.	0.579	0.734	238	37.0	19.5	13.9	10.4	8.31
02042470	Chickahominy River at Route 609 near Roxbury, Va.	2.02	1.75	--	--	1,037	695	445	267
02042490	Schiminoe Creek tributary at Route 60 near Providence Forge, Va.	0.882	0.790	11.0	2.24	1.41	0.969	0.659	0.456
02042500	Chickahominy River at Route 618 near Providence Forge, Va.	0.929	0.800	1,530	603	405	296	224	170
02042700	Collins Run at Route 155 near Providence Forge, Va.	1.16	1.15	461	44.2	20.6	12.2	7.88	5.11
02042726	Diascund Creek at Route 628 near New Kent, Va.	0.464	0.491	36.5	14.4	10.9	9.09	7.63	6.33

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
02041880	Ashbrook Creek (Dry Creek tributary 1) near Winterpock, Va.	1.59	1.05	0.638	0.237	0.110	0.009
02041888	West Branch above Swift Creek Reservoir near Hallsboro, Va.	0.349	0.224	0.134	0.061	0.034	0.007
02041890	West Branch near Swift Creek Reservoir near Hallsboro, Va.	0.198	0.095	0.036	0.008	0.003	--
02042000	Swift Creek at Bradley Bridge Road near Chester, Va.	54.0	36.0	24.0	13.0	8.00	2.50
02042050	Franks Branch at Route 626 at Colonial Heights, Va.	2.66	1.69	0.979	0.331	0.143	0.009
02042075	Bailey Creek at Fort Lee near Jefferson Park, Va.	0.777	0.643	0.512	0.350	0.237	0.144
02042080	Bailey Creek at Route 156 at Hopewell, Va.	5.28	4.29	3.51	2.93	2.55	1.96
02042140	Powell Creek at Route 10 at Garysville, Va.	5.27	4.50	3.69	2.69	1.97	1.33
02042160	West Run at Route 625 at Barnetts, Va.	122	80.0	46.0	20.0	9.80	2.40
02042190	Courthouse Creek above Glebe Creek at Charles City, Va.	1.30	1.09	0.860	0.581	0.407	0.153
02042250	Bailey Branch tributary at Route 10 at Spring Grove, Va.	0.517	0.452	0.384	0.302	0.249	0.158
02042272	Chickahominy River tributary 13 near Glen Allen, Va.	1.06	0.830	0.610	0.373	0.228	0.123
02042275	Chickahominy River at Route 625 near Glen Allen, Va.	3.26	1.43	0.542	0.144	0.050	0.011
02042283	--	0.000	0.000	0.000	0.000	0.000	0.000
02042284	Stony Run at Route 656 near Greenwood, Va.	1.45	0.620	0.211	0.074	0.032	0.010
02042287	Chickahominy River at Route 301 near Atlee, Va.	13.0	7.30	3.20	1.20	0.240	0.030
02042288	Chickahominy River at Route 627 near Richmond, Va.	17.6	11.7	7.13	3.09	1.63	0.449
02042400	Jordans Branch at Route 250 at Richmond, Va.	0.126	0.041	0.010	0.001	0.000	0.000
02042426	Upham Brook at Wilkinson Road near Richmond, Va.	7.16	4.42	2.60	1.50	0.950	0.400
02042433	Beaverdam Creek at Route 156 at Mechanicsville, Va.	5.29	4.37	3.70	3.00	2.71	2.12
02042435	Chickahominy River at Route 615 at Highland Springs, Va.	28.0	16.0	7.91	3.99	2.30	1.11
02042440	Chickahominy River at Route 156 near Seven Pines, Va.	59.5	46.1	32.5	18.3	10.4	3.50
02042455	White Oak Swamp at Route 156 at Elko, Va.	6.57	5.10	3.72	2.19	1.30	0.303
02042470	Chickahominy River at Route 609 near Roxbury, Va.	144	67.9	20.1	2.57	0.415	0.007
02042490	Schiminoe Creek tributary at Route 60 near Providence Forge, Va.	0.294	0.193	0.123	0.060	0.038	0.020
02042500	Chickahominy River at Route 618 near Providence Forge, Va.	122	80.0	46.0	20.0	9.80	2.40
02042700	Collins Run at Route 155 near Providence Forge, Va.	3.18	1.83	0.937	0.352	0.160	0.025
02042726	Diascund Creek at Route 628 near New Kent, Va.	5.21	4.31	3.43	2.18	1.53	0.476

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
Flow (ft³/s)									
02042736	Beaverdam Creek at Route 632 near Barhamsville, Va.	0.817	0.758	27.8	9.33	6.31	4.81	3.70	2.79
02042752	Mill Creek at Route 603 at Diascund, Va.	0.666	0.689	100	26.7	15.1	10.8	8.13	6.05
02042754	Yarmouth Creek below Cranstons Pond at Route 632 near Toano, Va.	0.461	0.428	26.3	14.2	11.4	9.77	8.42	7.18
02042756	Gordon Creek below Jolly Pond at Route 633 near Lightfoot, Va.	1.09	1.37	504	4.89	1.38	0.679	0.364	0.227
02042765	James River tributary at Route 5 near Five Forks, Va.	0.648	0.689	7.57	1.54	0.817	0.525	0.369	0.264
02042780	West Branch Long Hill Swamp at Route 612 near Lightfoot, Va.	0.547	0.581	34.2	8.92	5.21	3.59	2.66	2.01
02042782	Powhatan Creek at Route 5 at Five Forks, Va.	1.26	1.33	690	56.1	26.2	16.0	9.95	5.99
02042787	Skiffes Creek at Plantation Road near Lee Hall, Va.	0.918	0.985	26.3	2.94	1.58	1.08	0.785	0.551
02042789	Skiffes Creek Reservoir at Lee Hall, Va.	0.336	0.410	26.0	5.90	4.20	3.40	3.00	2.60
0204278995	Baptist Run at Route 637 near Yorktown, Va.	1.64	1.42	20.2	4.39	2.63	1.90	1.32	0.875
02043500	Cypress Swamp at Route 32 at Cypress Chapel, Va.	--	1.10	255	67.0	38.0	23.0	14.0	6.00
02043550	Washington Ditch along road near Cypress Chapel, Va.	--	0.813	137	97.3	59.0	25.9	13.0	7.05
02043750	Cross Canal Ditch below Route 1332 near Holly Grove, N.C.	--	0.887	140	59.3	24.0	11.0	6.40	2.15
02043828	Pasquotank River near South Mills, N.C.	0.627	0.659	1,398	362	225	139	97.4	63.1
02044000	Nottoway River at Route 723 near Burkeville, Va.	0.854	0.885	452	69.0	39.0	27.0	20.0	15.0
02044200	Falls Creek tributary at Route 49 near Victoria, Va.	0.997	1.07	23.2	2.13	0.802	0.399	0.223	0.126
02044300	Little Nottoway River at Route 40 near Blackstone, Va.	1.07	1.27	--	--	378	213	138	89.1
02044500	Nottoway River at Route 612 near Rawlings, Va.	0.612	0.681	2,552	579	379	283	220	172
02044550	Beaver Pond Creek at Route 612 near Rawlings, Va.	0.662	0.685	65.5	17.6	9.96	7.16	5.40	4.03
02044900	Great Creek above McKenney wastewater outfall near McKinney, Va.	1.23	1.35	595	21.1	7.15	3.79	2.24	1.30
02045000	Nottoway River at Route 1 near McKenney, Va.	0.421	0.454	2,238	689	477	357	291	245
02045200	Waqua Creek at Route 606 near Alberta, Va.	0.858	0.671	61.2	20.0	11.0	7.99	6.60	5.70
02045500	Nottoway River at Route 301 near Stony Creek, Va.	0.709	0.699	4,640	1,180	746	537	402	302
02046000	Stony Creek at Route 1 near (at) Dinwiddie, Va.	0.991	0.930	990	240	139	95.7	69.0	49.0
02046250	Stony Creek above Stony Creek wastewater outfall at Stony Creek, Va.	1.47	1.58	--	--	--	393	164	70.9
02046265	Hatcher Run at Route 627 near Five Forks, Va.	1.09	1.12	81.8	15.6	8.48	5.55	3.72	2.53
02046328	Rowanty Creek at Route 605 near Reams, Va.	1.37	2.36	--	--	72.6	14.5	5.38	2.45
02046370	Rowanty Creek at Route 602 near Stony Creek, Va.	1.44	0.969	993	495	339	250	194	141

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

		Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
Station number	Station description	Flow (ft³/s)					
02042736	Beaverdam Creek at Route 632 near Barhamsville, Va.	1.93	1.39	0.890	0.425	0.205	0.051
02042752	Mill Creek at Route 603 at Diascund, Va.	4.40	3.16	2.22	1.31	0.772	0.315
02042754	Yarmouth Creek below Cranstons Pond at Route 632 near Toano, Va.	5.83	4.85	3.77	2.49	1.65	0.751
02042756	Gordon Creek below Jolly Pond at Route 633 near Lightfoot, Va.	0.133	0.072	0.036	0.018	0.010	0.005
02042765	James River tributary at Route 5 near Five Forks, Va.	0.185	0.129	0.088	0.059	0.047	0.033
02042780	West Branch Long Hill Swamp at Route 612 near Lightfoot, Va.	1.48	1.10	0.794	0.571	0.466	0.345
02042782	Powhatan Creek at Route 5 at Five Forks, Va.	3.54	2.11	1.14	0.331	0.128	0.005
02042787	Skiffes Creek at Plantation Road near Lee Hall, Va.	0.382	0.246	0.134	0.067	0.040	0.004
02042789	Skiffes Creek Reservoir at Lee Hall, Va.	2.40	2.05	1.70	1.20	0.910	0.750
0204278995	Baptist Run at Route 637 near Yorktown, Va.	0.530	0.288	0.107	0.020	0.005	0.000
02043500	Cypress Swamp at Route 32 at Cypress Chapel, Va.	1.60	0.070	0.000	0.000	0.000	0.000
02043550	Washington Ditch along road near Cypress Chapel, Va.	2.00	0.711	0.000	0.000	0.000	0.000
02043750	Cross Canal Ditch below Route 1332 near Holly Grove, N.C.	0.960	0.371	0.000	0.000	0.000	0.000
02043828	Pasquotank River near South Mills, N.C.	45.6	32.9	23.9	14.9	7.24	--
02044000	Nottoway River at Route 723 near Burkeville, Va.	10.0	6.70	4.20	2.10	1.10	0.190
02044200	Falls Creek tributary at Route 49 near Victoria, Va.	0.072	0.040	0.022	0.013	0.009	0.005
02044300	Little Nottoway River at Route 40 near Blackstone, Va.	55.1	33.1	18.9	7.61	3.26	0.469
02044500	Nottoway River at Route 612 near Rawlings, Va.	135	103	71.0	42.0	24.0	6.18
02044550	Beaver Pond Creek at Route 612 near Rawlings, Va.	2.93	2.11	1.49	0.877	0.521	0.214
02044900	Great Creek above McKenney wastewater outfall near McKinney, Va.	0.712	0.394	0.198	0.077	0.033	0.005
02045000	Nottoway River at Route 1 near McKenney, Va.	202	165	122	93.0	73.4	52.0
02045200	Waqua Creek at Route 606 near Alberta, Va.	4.50	3.20	2.00	0.790	0.200	0.000
02045500	Nottoway River at Route 301 near Stony Creek, Va.	220	157	106	59.0	36.0	13.0
02046000	Stony Creek at Route 1 near (at) Dinwiddie, Va.	33.0	21.0	12.0	5.00	2.20	0.418
02046250	Stony Creek above Stony Creek wastewater outfall at Stony Creek, Va.	31.1	12.5	5.49	2.41	1.52	0.642
02046265	Hatcher Run at Route 627 near Five Forks, Va.	1.49	0.899	0.513	0.207	0.093	0.005
02046328	Rowanty Creek at Route 605 near Reams, Va.	1.25	0.659	0.308	0.105	0.035	0.004
02046370	Rowanty Creek at Route 602 near Stony Creek, Va.	90.4	44.8	16.9	5.11	2.66	0.891

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
02046446	Nebletts Mill Run at Route 35 near Homeville, Va.	2.74	1.21	584	160	89.4	55.8	35.0	20.4
02046448	Nebletts Mill Run tributary at Route 35 near Homeville, Va.	1.29	1.11	8.16	2.24	1.29	0.833	0.565	0.385
02046500	Anderson Branch at Route 40 at Sussex, Va.	--	0.728	33.0	9.90	5.00	2.90	1.60	0.800
02046750	Three Creek at Route 616 near Emporia, Va.	1.24	1.31	--	347	113	50.7	24.7	11.6
02047000	Nottoway River above Route 653 near Sebrell, Va.	0.892	0.749	8,499	3,380	2,200	1,490	1,060	756
02047012	Buckhorn Swamp at Route 652 near Capron, Va.	0.949	0.924	136	22.4	10.7	6.08	3.62	2.26
02047027	Buckhorn Swamp at Route 651 near Sebrell, Va.	1.04	1.09	646	54.9	21.5	11.0	6.02	3.20
02047039	Black Swamp at Route 626 near Newville, Va.	1.03	1.01	51.4	8.50	4.66	3.09	2.15	1.44
02047100	Assamoosick Swamp at Route 35 near Sebrell, Va.	--	1.52	740	239	148	100	61.0	36.0
02047400	Blackwater Swamp (River) at Route 625 near Disputanta, Va.	1.14	1.18	--	645	243	138	84.6	51.1
0204741367	Warwick Swamp at Route 627 near Disputanta, Va.	1.09	1.00	217	41.3	20.5	13.8	9.18	5.96
02047420	Warwick Swamp at Route 613 near Disputanta, Va.	1.69	1.79	--	--	208	107	56.4	28.5
0204744082	Otterdam Swamp tributary (Buzzard Branch) near Waverly, Va.	2.12	0.934	14.4	5.31	3.38	2.35	1.64	1.08
02047500	Blackwater River at Route 617 near Dendron, Va.	2.10	0.924	2,110	784	502	350	245	162
02048000	Blackwater River at Route 460 at Zuni, Va.	1.64	1.37	3,020	1,250	841	600	421	280
02048500	Seacock Swamp (Creek) at Route 635 near Berlin (at Unity), Va.	2.43	1.02	592	248	156	108	80.0	54.0
02049000	Blackwater River at Route 603 near Burdette, Va.	1.72	1.30	2,553	1,099	620	444	228	106
02049500	Blackwater River near Franklin, Va.	1.67	1.12	3,670	1,640	1,060	744	555	385
02049700	Cypress Swamp at Route 635 near Burdette, Va.	1.15	1.18	1,090	190	100	64.0	42.0	28.0
02050500	North Meherrin River at Route 687 near Keysville, Va.	0.561	0.691	100	19.0	10.0	7.00	5.10	4.00
02051000	North Meherrin River at Route 40 near Lunenburg, Va.	0.757	0.810	597	90.0	50.0	36.0	27.0	20.0
02051032	Big Juniper Creek at Route 690 near Rehoboth, Va.	0.509	0.606	170	29.3	18.1	13.8	11.2	9.10
02051046	North Meherrin River at Route 49 below Couches Creek near Lunenburg, Va.	0.505	0.601	701	122	75.8	57.8	47.1	38.3
02051054	Kits Creek at Route 49 near Rehoboth, Va.	1.06	0.785	16.9	3.13	1.77	1.28	0.944	0.668
02051071	Reedy Creek at Route 671 near Rehoboth, Va.	1.12	0.979	55.0	11.3	6.98	5.10	3.87	2.85
02051100	South Meherrin River at Route 49 near Chase City, Va.	0.661	0.770	349	49.7	24.0	14.5	9.33	6.29
02051108	South Meherrin River at Route 634 near Chase City, Va.	1.18	0.874	243	37.3	19.7	13.8	9.80	6.67
02051131	Middle Meherrin River at Route 634 near Scotts Crossroad, Va.	1.31	1.15	158	24.9	14.1	9.76	7.06	4.94

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
02046446	Nebletts Mill Run at Route 35 near Homeville, Va.	10.3	3.94	1.07	0.037	--	--
02046448	Nebletts Mill Run tributary at Route 35 near Homeville, Va.	0.243	0.135	0.063	0.020	0.007	0.001
02046500	Anderson Branch at Route 40 at Sussex, Va.	0.200	0.000	0.000	0.000	0.000	0.000
02046750	Three Creek at Route 616 near Emporia, Va.	5.19	2.41	1.21	0.674	0.482	0.304
02047000	Nottoway River above Route 653 near Sebrell, Va.	500	315	188	97.0	59.0	27.0
02047012	Buckhorn Swamp at Route 652 near Capron, Va.	1.31	0.748	0.421	0.254	0.189	0.111
02047027	Buckhorn Swamp at Route 651 near Sebrell, Va.	1.63	0.859	0.481	0.295	0.223	0.152
02047039	Black Swamp at Route 626 near Newville, Va.	0.939	0.625	0.350	0.134	0.054	0.010
02047100	Assamoosick Swamp at Route 35 near Sebrell, Va.	9.60	0.560	0.010	0.000	0.000	0.000
02047400	Blackwater Swamp (River) at Route 625 near Disputanta, Va.	29.6	16.8	9.21	3.71	1.51	0.327
0204741367	Warwick Swamp at Route 627 near Disputanta, Va.	3.94	2.24	1.12	0.480	0.266	0.057
02047420	Warwick Swamp at Route 613 near Disputanta, Va.	14.0	6.98	3.03	0.576	0.159	0.002
0204744082	Otterdam Swamp tributary (Buzzard Branch) near Waverly, Va.	0.636	0.302	0.111	0.008	--	--
02047500	Blackwater River at Route 617 near Dendron, Va.	96.0	46.0	17.0	1.30	0.000	0.000
02048000	Blackwater River at Route 460 at Zuni, Va.	174	84.0	30.0	6.38	1.60	0.060
02048500	Seacock Swamp (Creek) at Route 635 near Berlin (at Unity), Va.	31.0	12.0	3.40	0.200	0.000	0.000
02049000	Blackwater River at Route 603 near Burdette, Va.	55.0	26.0	5.40	2.00	1.20	0.200
02049500	Blackwater River near Franklin, Va.	230	102	33.0	8.30	3.90	1.10
02049700	Cypress Swamp at Route 635 near Burdette, Va.	16.0	9.39	5.20	2.00	0.860	0.040
02050500	North Meherrin River at Route 687 near Keysville, Va.	3.20	2.50	1.80	1.10	0.600	0.249
02051000	North Meherrin River at Route 40 near Lunenburg, Va.	15.0	10.0	6.70	3.50	2.10	0.467
02051032	Big Juniper Creek at Route 690 near Rehoboth, Va.	7.24	5.68	4.36	2.82	1.88	0.749
02051046	North Meherrin River at Route 49 below Couches Creek near Lunenburg, Va.	30.5	24.0	18.4	12.0	8.02	3.21
02051054	Kits Creek at Route 49 near Rehoboth, Va.	0.456	0.287	0.155	0.058	0.030	--
02051071	Reedy Creek at Route 671 near Rehoboth, Va.	1.89	1.15	0.625	0.216	0.093	0.015
02051100	South Meherrin River at Route 49 near Chase City, Va.	4.23	2.76	1.90	1.37	1.14	0.821
02051108	South Meherrin River at Route 634 near Chase City, Va.	4.37	2.61	1.31	0.439	0.213	--
02051131	Middle Meherrin River at Route 634 near Scotts Crossroad, Va.	3.05	1.71	0.834	0.240	0.089	0.011

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
Flow (ft³/s)									
02051190	Meherrin River at Route 637 near South Hill, Va.	1.04	0.904	949	221	141	105	81.7	61.7
02051200	Flat Rock Creek at Route 647 near Kenbridge, Va.	1.03	1.01	874	113	49.2	27.7	16.0	8.82
02051218	Flat Rock Creek at Route 612 near Bagleys Mills, Va.	0.635	0.603	119	58.1	44.0	36.3	30.0	24.4
02051500	Meherrin River at Route 715 near Lawrenceville, Va.	0.595	0.655	4,928	973	576	423	328	252
02051593	Great Creek at Route 1 near Cochran, Va.	0.558	0.664	251	36.4	21.5	15.9	12.7	10.1
02051600	Great Creek at Route 763 (old Route 618) near Cochran, Va.	0.636	0.682	255	56.0	37.0	28.0	22.0	16.0
02051616	Great Creek at Route 713 at Lawrenceville, Va.	0.596	0.700	509	88.4	46.2	29.0	20.0	14.1
02051625	Roses Creek at Route 646 near Alberta, Va.	0.603	0.721	46.5	7.04	3.56	2.29	1.58	1.06
02051715	Roses Creek at Route 58 at Lawrenceville, Va.	0.651	0.778	302	39.3	18.9	11.7	7.85	5.09
02052000	Meherrin River at Route 301 at Emporia, Va.	0.713	0.715	6,530	1,450	851	612	463	356
02052180	Rattlesnake Creek at Route 672 near Triplet, Va.	0.853	0.789	120	28.7	17.2	11.9	8.78	6.40
02052500	Fountains (Fontaine) Creek at Route 603 near Brink, Va.	1.19	0.926	684	144	78.0	54.0	37.0	25.0
02053000	Fountains (Fontaine) Creek at Route 639 near Emporia, Va.	0.769	0.855	848	218	132	93.0	64.0	47.0
02053800	South Fork Roanoke River at Route 637 near Shawsville, Va.	0.407	0.480	776	216	143	110	86.8	69.0
02054120	North Fork Roanoke River along Route 723 near Lusters Gate, Va.	0.859	0.825	541	139	88.0	60.9	42.0	29.5
02054190	Wilson Creek at Route 603 at Ellett, Va.	0.433	0.425	46.9	19.9	14.0	11.0	8.76	6.83
02054195	North Fork Roanoke River at Route 603 at Ellett, Va.	0.558	0.602	353	84.6	55.1	42.2	33.5	26.7
02054500	Roanoke River at Route 603 at Lafayette, Va.	0.429	0.508	1,840	490	310	228	171	132
02054510	Roanoke River near Wabun, Va.	0.396	0.508	2,224	495	321	228	168	130
02054530	Roanoke River at Route 1154 at Glenvar, Va.	0.375	0.527	2,450	526	327	239	173	128
02055000	Roanoke River at Walnut Street at Roanoke, Va.	0.449	0.516	2,820	745	476	351	268	208
02055100	Tinker Creek below railroad bridge near Daleville, Va.	0.465	0.524	79.0	24.0	16.0	12.0	9.00	7.00
02055370	Carvin Creek at Route 115 at Roanoke, Va.	0.528	0.637	167	30.0	16.7	11.7	8.63	6.59
02055515	Lick Run above Norfolk wastewater outfall at Roanoke, Va.	0.214	0.192	19.1	13.0	11.6	10.6	9.63	8.81
02055520	Glade Creek above mouth at Vinton, Va.	0.395	0.366	59.0	34.8	28.8	25.3	22.3	19.4
02056000	Roanoke River below powerplant at Niagara, Va.	0.355	0.454	3,700	978	642	487	384	308
02056500	Back Creek at Route 220 near Roanoke, Va.	0.649	0.652	455	111	71.8	53.3	41.3	32.3
02056650	Back Creek at Route 660 near Dundee, Va.	0.546	0.590	451	112	73.0	55.0	43.0	32.0

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
02051190	Meherrin River at Route 637 near South Hill, Va.	42.2	26.7	15.2	5.68	2.61	0.484
02051200	Flat Rock Creek at Route 647 near Kenbridge, Va.	4.42	2.29	1.36	0.817	0.628	0.411
02051218	Flat Rock Creek at Route 612 near Bagleys Mills, Va.	19.3	14.7	10.3	5.67	3.30	0.741
02051500	Meherrin River at Route 715 near Lawrenceville, Va.	188	141	101	64.0	42.0	17.0
02051593	Great Creek at Route 1 near Cochran, Va.	7.86	6.02	4.50	2.80	1.80	0.653
02051600	Great Creek at Route 763 (old Route 618) near Cochran, Va.	12.0	9.00	6.30	3.70	2.10	0.698
02051616	Great Creek at Route 713 at Lawrenceville, Va.	9.96	6.98	4.98	3.57	2.79	1.85
02051625	Roses Creek at Route 646 near Alberta, Va.	0.691	0.475	0.339	0.264	0.218	0.154
02051715	Roses Creek at Route 58 at Lawrenceville, Va.	3.21	2.14	1.49	1.14	0.924	0.637
02052000	Meherrin River at Route 301 at Emporia, Va.	260	190	128	69.0	37.0	16.0
02052180	Rattlesnake Creek at Route 672 near Triplet, Va.	4.51	2.93	1.75	0.898	0.501	0.181
02052500	Fountains (Fontaine) Creek at Route 603 near Brink, Va.	15.0	9.20	5.00	1.60	0.330	0.000
02053000	Fountains (Fontaine) Creek at Route 639 near Emporia, Va.	34.0	24.0	15.0	8.00	3.80	0.500
02053800	South Fork Roanoke River at Route 637 near Shawsville, Va.	54.0	44.0	35.0	27.0	22.0	14.0
02054120	North Fork Roanoke River along Route 723 near Lusters Gate, Va.	22.2	14.7	8.64	4.09	2.04	0.589
02054190	Wilson Creek at Route 603 at Ellett, Va.	5.11	3.88	3.12	2.52	2.26	1.89
02054195	North Fork Roanoke River at Route 603 at Ellett, Va.	21.0	16.1	11.7	7.37	4.78	1.86
02054500	Roanoke River at Route 603 at Lafayette, Va.	103	80.0	63.0	49.0	41.0	31.0
02054510	Roanoke River near Wabun, Va.	104	83.0	67.0	52.0	47.0	37.0
02054530	Roanoke River at Route 1154 at Glenvar, Va.	102	83.0	69.0	54.0	45.0	32.0
02055000	Roanoke River at Walnut Street at Roanoke, Va.	162	126	97.0	74.0	60.0	42.0
02055100	Tinker Creek below railroad bridge near Daleville, Va.	5.60	4.40	3.40	2.40	1.80	0.990
02055370	Carvin Creek at Route 115 at Roanoke, Va.	5.23	3.86	2.89	1.96	1.36	0.761
02055515	Lick Run above Norfolk wastewater outfall at Roanoke, Va.	7.92	7.15	6.41	5.38	4.82	4.14
02055520	Glade Creek above mouth at Vinton, Va.	16.3	13.9	11.2	7.83	5.51	2.81
02056000	Roanoke River below powerplant at Niagara, Va.	250	207	170	136	114	89.0
02056500	Back Creek at Route 220 near Roanoke, Va.	24.8	18.0	12.5	7.26	4.48	1.75
02056650	Back Creek at Route 660 near Dundee, Va.	25.0	19.0	14.0	9.10	6.10	3.10

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
02056700	Beaverdam Creek at Route 757 near Hardy, Va.	0.586	0.619	220	54.6	32.1	21.9	15.6	10.9
02056800	South Fork Blackwater River above school wastewater outfall at Callaway, Va.	0.618	0.601	228	61.0	40.6	31.2	25.2	20.4
02056900	Blackwater River at Route 122 near Rocky Mount, Va.	0.424	0.494	910	226	160	128	105	85.0
02057000	Blackwater River near Union Hall, Va.	0.365	0.424	1,318	383	270	220	188	160
02057050	Gills Creek at Route 122 near Burnt Chimney, Va.	0.453	0.441	86.1	32.7	24.2	20.0	17.1	14.6
02057500	Roanoke River near Toshes, Va.	0.386	0.449	6,407	1,920	1,260	978	790	656
02057600	Pigg River at Route 40 near Rocky Mount, Va.	0.353	0.456	374	107	69.3	50.6	39.8	31.6
02057650	Pigg River above wastewater outfall at Rocky Mount, Va.	0.345	0.339	276	139	106	87.1	72.5	59.5
02057750	Little Chestnut Creek near Sydnorsville, Va.	0.884	0.849	229	56.2	35.3	24.2	16.5	11.5
02058000	Snow Creek at Route 969 at Sago, Va.	0.265	0.385	490	100	73.0	61.0	53.0	46.0
02058100	Turkeycock Creek at Route 969 at Sago, Va.	0.674	0.635	262	74.8	50.3	37.6	28.5	21.2
02058400	Pigg River above Route 40 near Sandy Level, Va.	0.333	0.435	2,776	593	427	351	301	256
02058500	Pigg River along Route 605 near Toshes, Va.	0.286	0.405	2,700	642	451	378	325	282
02059000	Roanoke River at Route 1109 near Gretna, Va.	0.393	0.449	9,098	2,320	1,580	1,240	1,030	840
02059420	North Fork Goose Creek at Route 460 near Montvale (Thaxton), Va.	0.571	0.640	1,740	366	208	137	96.0	67.0
02059450	South Fork Goose Creek at Route 607 at Montvale, Va.	0.340	0.396	52.9	19.4	13.3	10.3	8.21	6.70
02059452	Goose Creek at Route 726 near Irving, Va.	0.343	0.304	79.0	45.4	36.6	31.4	27.1	23.6
02059459	Bore Auger Creek at Route 754 near Irving, Va.	0.860	0.927	372	41.2	21.3	14.1	9.87	6.95
02059485	Goose Creek at Route 747 near Bunker Hill, Va.	0.388	0.478	870	202	130	103	84.1	70.1
02059490	Stony Fork at Route 608 near Moneta, Va.	1.03	1.16	--	204	73.2	34.4	18.1	9.42
02059500	Goose Creek above Route 732 near Huddleston, Va.	0.388	0.479	1,370	318	205	161	132	110
02060000	Goose Creek at Route 626 at Huddleston, Va.	0.288	0.366	1,035	393	274	217	179	150
02060400	Sycamore Creek at Route 643 at Sycamore, Va.	0.295	0.371	15.6	5.35	3.75	2.98	2.47	2.07
02060500	Roanoke (Staunton) River at Route 29 (Alternate) at Altavista, Va.	0.415	0.509	12,200	3,420	2,210	1,680	1,350	1,110
02060592	Sheep Creek at Route 688 near Thaxton, Va.	2.34	2.75	--	--	--	84.8	19.9	4.99
02060692	Stony Creek at Route 43 near Peaks of Otter, Va.	1.52	1.87	--	--	153	41.9	16.3	6.72
02060695	Big Otter River at Route 43 near Peaks of Otter, Va.	0.510	0.542	--	830	503	355	269	207
02060800	North Otter Creek at Route 643 near Cifax, Va.	0.781	0.723	412	111	69.2	49.3	37.4	28.0

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
02056700	Beaverdam Creek at Route 757 near Hardy, Va.	7.45	5.18	3.73	2.83	2.42	1.94
02056800	South Fork Blackwater River above school wastewater outfall at Callaway, Va.	15.9	12.1	8.48	4.92	3.17	1.34
02056900	Blackwater River at Route 122 near Rocky Mount, Va.	68.0	56.0	45.0	32.0	23.0	12.0
02057000	Blackwater River near Union Hall, Va.	136	114	92.0	69.0	54.0	32.0
02057050	Gills Creek at Route 122 near Burnt Chimney, Va.	12.2	9.97	7.68	5.14	3.73	1.99
02057500	Roanoke River near Toshes, Va.	542	434	344	270	222	149
02057600	Pigg River at Route 40 near Rocky Mount, Va.	25.7	20.9	16.7	14.0	11.6	9.46
02057650	Pigg River above wastewater outfall at Rocky Mount, Va.	47.2	37.9	31.9	26.8	24.6	21.3
02057750	Little Chestnut Creek near Sydnorsville, Va.	8.53	5.59	3.24	1.50	0.733	0.204
02058000	Snow Creek at Route 969 at Sago, Va.	40.0	35.0	30.0	25.0	22.0	17.0
02058100	Turkeycock Creek at Route 969 at Sago, Va.	15.8	11.7	8.20	4.49	2.97	1.40
02058400	Pigg River above Route 40 near Sandy Level, Va.	220	187	157	119	92.0	57.0
02058500	Pigg River along Route 605 near Toshes, Va.	247	215	184	146	114	70.0
02059000	Roanoke River at Route 1109 near Gretna, Va.	720	585	470	340	270	214
02059420	North Fork Goose Creek at Route 460 near Montvale (Thaxton), Va.	46.0	32.0	24.0	18.0	16.0	12.0
02059450	South Fork Goose Creek at Route 607 at Montvale, Va.	5.46	4.38	3.62	3.06	2.78	2.35
02059452	Goose Creek at Route 726 near Irving, Va.	19.8	16.4	13.4	10.7	9.43	7.29
02059459	Bore Auger Creek at Route 754 near Irving, Va.	4.82	3.21	1.96	0.961	0.493	0.115
02059485	Goose Creek at Route 747 near Bunker Hill, Va.	59.3	48.4	38.3	28.7	23.0	13.4
02059490	Stony Fork at Route 608 near Moneta, Va.	4.77	2.47	1.47	0.873	0.706	0.419
02059500	Goose Creek above Route 732 near Huddleston, Va.	93.0	76.0	60.0	45.0	36.0	21.0
02060000	Goose Creek at Route 626 at Huddleston, Va.	126	107	91.2	77.3	65.9	51.4
02060400	Sycamore Creek at Route 643 at Sycamore, Va.	1.74	1.46	1.23	1.05	0.935	0.748
02060500	Roanoke (Staunton) River at Route 29 (Alternate) at Altavista, Va.	955	833	671	427	268	145
02060592	Sheep Creek at Route 688 near Thaxton, Va.	1.28	0.318	0.084	0.023	0.009	0.002
02060692	Stony Creek at Route 43 near Peaks of Otter, Va.	2.64	1.05	0.439	0.203	0.110	0.035
02060695	Big Otter River at Route 43 near Peaks of Otter, Va.	156	118	87.0	64.0	53.0	40.0
02060800	North Otter Creek at Route 643 near Cifax, Va.	20.4	13.7	8.57	4.64	2.72	1.07

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
02060860	Oslin Creek at Route 644 near Cifax, Va.	1.35	1.32	--	524	178	83.9	40.9	18.9
02061000	Big Otter River (Otter River) at Route 221 near Bedford, Va.	0.547	0.538	859	264	178	138	110	88.0
02061160	Elk Creek at Route 668 near Goode, Va.	0.872	1.11	--	433	146	71.4	40.1	23.5
02061200	Little Otter River at Route 122 near Bedford, Va.	0.374	0.539	248	47.9	28.2	20.3	15.3	11.2
02061320	Little Otter River at Route 715 near Otter Hill, Va.	0.683	0.736	1,417	276	141	87.6	58.8	39.9
02061460	Buffalo Creek above Route 460 at New London, Va.	0.911	0.935	286	71.3	42.8	30.0	21.5	15.6
02061500	Big Otter River (Otter River) at Route 682 near Evington, Va.	0.455	0.521	2,250	615	416	322	260	214
02062000	Big Otter River above Tardy Branch near Altavista, Va.	0.492	0.561	2,770	618	402	306	245	180
02062500	Roanoke (Staunton) River above Route 501 at Brookneal, Va.	0.377	0.463	15,900	4,487	2,970	2,290	1,870	1,550
02063000	Caldwells Creek (East Fork Falling River) at Route 719 near Appomattox, Va.	0.301	0.461	33.7	6.00	4.20	3.30	2.70	2.40
02063400	Reddy Creek at Route 679 near Spring Mills, Va.	0.301	0.325	24.0	11.7	8.68	7.02	5.89	4.96
02063460	Falling River at Route 650 near Spring Mills, Va.	0.357	0.453	226	71.7	48.3	39.2	32.8	28.5
02063500	Falling River (East Fork Falling River) above Route 646 at Spring Mills, Va.	0.284	0.426	272	72.0	47.0	35.0	29.0	25.0
02063770	South Fork Falling River at Route 648 near Spring Mills, Va.	0.255	0.269	86.3	47.0	37.3	31.6	27.3	23.3
02064000	Falling River at Route 643 near Naruna, Va.	0.412	0.505	1,200	265	179	138	112	93.0
02064500	Little Falling River at Route 618 at Hat Creek, Va.	0.556	0.631	230	54.3	34.0	26.0	21.0	18.0
02065000	Falling River below Hat Creek near Brookneal, Va.	0.271	0.444	2,376	493	287	216	177	155
02065010	Phelps Creek at Brookneal diversion near Brookneal, Va.	0.658	0.700	91.1	18.1	9.48	6.04	4.22	3.01
02065200	Roanoke (Staunton) River at Route 620 at Clarkton, Va.	0.482	0.490	14,740	4,610	2,790	2,060	1,680	1,440
02065260	Turnip Creek at Route 619 near Aspen, Va.	0.596	0.566	74.2	37.9	29.2	24.4	20.4	16.8
02065500	Cub Creek at Route 40 at Phenix, Va.	0.408	0.497	750	169	115	92.0	76.0	64.0
02066000	Roanoke (Staunton) River at Route 746 at Randolph, Va.	0.332	0.455	20,800	5,710	3,800	2,840	2,280	1,900
02066450	Roanoke Creek (Little Roanoke Creek) at Route 40 near Charlotte Court House, Va.	0.445	0.384	60.8	37.9	30.4	25.6	21.9	18.5
02066500	Roanoke Creek at Route 612 at Saxe, Va.	0.536	0.670	912	229	125	90.0	70.0	55.0
02066520	Twittys Creek above wastewater outfall (south) at Drakes Branch, Va.	0.657	0.826	263	24.4	11.0	6.62	4.36	2.95
02067000	Roanoke (Staunton) River at Route 360 near Clover, Va.	0.363	0.443	21,998	5,994	4,010	3,210	2,684	2,270
02067020	Buffalo Creek at Route 608 near Red Oak, Va.	0.684	0.672	17.6	5.34	3.58	2.73	2.14	1.64
02067100	Difficult Creek at Route 360 near Scottsburg, Va.	0.310	0.394	99.7	35.2	23.9	18.6	15.1	12.5

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
02060860	Oslin Creek at Route 644 near Cifax, Va.	7.66	3.24	1.65	0.848	0.602	0.346
02061000	Big Otter River (Otter River) at Route 221 near Bedford, Va.	72.0	55.0	39.0	25.0	18.0	9.40
02061160	Elk Creek at Route 668 near Goode, Va.	13.9	8.36	5.20	3.15	1.94	0.914
02061200	Little Otter River at Route 122 near Bedford, Va.	9.10	7.06	5.71	4.72	3.93	3.08
02061320	Little Otter River at Route 715 near Otter Hill, Va.	27.0	18.2	12.1	8.28	6.66	4.41
02061460	Buffalo Creek above Route 460 at New London, Va.	9.97	6.53	4.08	1.91	0.976	0.085
02061500	Big Otter River (Otter River) at Route 682 near Evington, Va.	177	142	110	75.0	53.0	23.0
02062000	Big Otter River above Tardy Branch near Altavista, Va.	138	107	80.0	58.0	46.0	23.0
02062500	Roanoke (Staunton) River above Route 501 at Brookneal, Va.	1,300	1,100	934	651	476	293
02063000	Caldwells Creek (East Fork Falling River) at Route 719 near Appomattox, Va.	2.10	1.80	1.60	1.20	0.900	0.500
02063400	Reddy Creek at Route 679 near Spring Mills, Va.	4.18	3.51	2.93	2.48	2.25	1.88
02063460	Falling River at Route 650 near Spring Mills, Va.	24.7	21.1	17.4	12.6	9.08	3.71
02063500	Falling River (East Fork Falling River) above Route 646 at Spring Mills, Va.	22.0	19.0	17.0	13.0	9.60	6.80
02063770	South Fork Falling River at Route 648 near Spring Mills, Va.	19.8	16.9	14.6	13.0	12.1	11.0
02064000	Falling River at Route 643 near Naruna, Va.	76.0	63.0	51.0	36.0	26.0	14.0
02064500	Little Falling River at Route 618 at Hat Creek, Va.	15.0	12.0	8.00	5.00	2.00	1.00
02065000	Falling River below Hat Creek near Brookneal, Va.	133	114	100	83.0	72.0	54.0
02065010	Phelps Creek at Brookneal diversion near Brookneal, Va.	2.09	1.46	0.983	0.661	0.518	0.360
02065200	Roanoke (Staunton) River at Route 620 at Clarkton, Va.	1,220	1,030	736	475	375	252
02065260	Turnip Creek at Route 619 near Aspen, Va.	13.5	10.4	7.45	4.26	2.56	0.629
02065500	Cub Creek at Route 40 at Phenix, Va.	52.0	44.0	35.0	25.0	19.0	8.60
02066000	Roanoke (Staunton) River at Route 746 at Randolph, Va.	1,600	1,350	1,160	885	657	409
02066450	Roanoke Creek (Little Roanoke Creek) at Route 40 near Charlotte Court House, Va.	15.7	12.8	9.86	6.65	4.83	2.93
02066500	Roanoke Creek at Route 612 at Saxe, Va.	44.0	34.0	26.0	16.0	8.80	2.40
02066520	Twittys Creek above wastewater outfall (south) at Drakes Branch, Va.	1.98	1.34	0.915	0.649	0.500	0.304
02067000	Roanoke (Staunton) River at Route 360 near Clover, Va.	1,950	1,640	1,330	985	750	458
02067020	Buffalo Creek at Route 608 near Red Oak, Va.	1.24	0.944	0.643	0.340	0.186	0.059
02067100	Difficult Creek at Route 360 near Scottsburg, Va.	10.4	8.66	7.32	6.13	5.16	3.95

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
02069550	North Fork South Mayo River at Route 58 at Stuart, Va.	0.533	0.561	189	52.8	32.4	23.7	17.9	13.2
02069700	South Mayo River at Route 700 near Nettleridge, Va.	0.315	0.372	666	209	155	128	110	95.0
02070000	North Mayo River below Route 629 near Spencer, Va.	0.288	0.379	785	199	146	122	107	95.0
02071530	Smith River at Smith River Church (Route 798) near Woolwine, Va.	0.372	0.388	205	76.0	58.0	48.0	41.0	33.0
02071800	Nicholas Creek at Route 605 near Ferrum, Va.	1.52	2.19	--	--	--	--	246	67.8
02072000	Smith River below Philpott Dam near Philpott, Va.	0.650	0.501	1,330	640	407	307	260	210
02072500	Smith River at Route 666 (north) at Bassett, Va.	0.491	0.428	1,520	708	468	353	295	248
02072525	Blackberry Creek at Route 687 near Sanville, Va.	0.171	0.222	9.24	4.54	3.63	3.14	2.82	2.55
02072550	Blackberry Creek at Route 57A near Bassett, Va.	0.294	0.263	34.3	20.2	17.3	15.3	13.4	11.9
02073000	Smith River below Route 58 at Martinsville, Va.	0.333	0.393	2,256	876	612	484	406	353
02073300	Marrowbone Creek at Route 642 near Ridgeway, Va.	0.296	0.262	37.4	25.4	22.0	19.8	18.0	16.3
02073500	Leatherwood Creek at Route 650 near Martinsville (Old Liberty), Va.	0.464	0.549	432	85.0	54.0	43.0	36.0	32.0
02073600	Smith River at Route 636 near Irisburg, Va.	0.398	0.475	3,264	940	600	448	351	270
02074450	Sandy River at Route 612 near Swansonville, Va.	0.421	0.397	60.6	27.7	21.6	18.0	15.2	12.6
02074500	Sandy River above Route 863 near Danville, Va.	0.313	0.435	858	165	116	96.0	83.0	72.0
02074680	Sandy Creek at Route 746 near Danville, Va.	0.336	0.402	44.5	15.6	10.6	8.32	6.77	5.42
02075000	Dan River at railroad bridge at Danville, Va.	0.294	0.402	15,858	4,000	2,760	2,214	1,860	1,580
02075020	Fall Creek at Route 719 near Danville, Va.	0.504	0.727	96.5	10.5	5.14	3.30	2.26	1.47
02075029	Fall Creek along Route 730 at Danville, Va.	0.425	0.459	96.9	32.6	23.5	19.2	16.1	13.5
02075045	Dan River at wastewater outfall near Danville, Va.	0.360	0.453	14,461	3,541	2,580	2,123	1,810	1,520
0207509125	Hogans Creek tributary above Goodyear Plant near Danville, Va.	0.655	0.728	6.77	1.39	0.881	0.645	0.493	0.379
02075191	Cane Creek at Lorillard Tobacco outfall near Ringgold, Va.	0.408	0.434	15.7	5.76	3.86	2.92	2.34	1.90
02075275	Sandy Creek (River) at Route 58 near Ringgold, Va.	0.433	0.486	83.1	25.5	16.6	12.1	9.22	7.01
02075350	Powells Creek at Route 58 near Turbeville, Va.	0.694	0.676	2.61	0.699	0.407	0.270	0.184	0.130
02075390	Double Creek at Route 688 near Sutherlin, Va.	0.443	0.391	12.7	7.12	5.75	4.91	4.27	3.66
02075475	Byrds Branch at Route 810 near Paces, Va.	0.491	0.455	3.20	1.40	1.04	0.842	0.708	0.590
02075500	Dan River at Route 658 at Paces, Va.	0.325	0.421	17,900	4,910	3,370	2,680	2,230	1,860
02075600	Birch Creek at Route 729 near Birch, Va.	0.596	0.631	93.7	28.5	19.9	15.7	12.5	9.87

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
02069550	North Fork South Mayo River at Route 58 at Stuart, Va.	9.62	7.00	5.16	3.87	3.16	2.21
02069700	South Mayo River at Route 700 near Nettleridge, Va.	83.0	70.0	59.0	46.0	38.0	27.0
02070000	North Mayo River below Route 629 near Spencer, Va.	84.0	73.0	62.0	49.0	40.0	26.0
02071530	Smith River at Smith River Church (Route 798) near Woolwine, Va.	27.0	22.0	18.0	14.0	12.0	8.19
02071800	Nicholas Creek at Route 605 near Ferrum, Va.	29.6	10.6	4.50	2.07	0.982	0.366
02072000	Smith River below Philpott Dam near Philpott, Va.	182	110	56.0	47.0	45.0	35.0
02072500	Smith River at Route 666 (north) at Bassett, Va.	214	159	111	80.0	70.0	58.0
02072525	Blackberry Creek at Route 687 near Sanville, Va.	2.27	2.04	1.86	1.72	1.66	1.58
02072550	Blackberry Creek at Route 57A near Bassett, Va.	10.3	8.93	7.69	6.05	5.21	4.22
02073000	Smith River below Route 58 at Martinsville, Va.	308	263	214	164	129	75.0
02073300	Marrowbone Creek at Route 642 near Ridgeway, Va.	14.6	12.7	10.8	8.23	6.67	4.37
02073500	Leatherwood Creek at Route 650 near Martinsville (Old Liberty), Va.	27.0	22.0	16.0	11.0	7.00	3.00
02073600	Smith River at Route 636 near Irisburg, Va.	203	159	127	108	95.1	75.8
02074450	Sandy River at Route 612 near Swansonville, Va.	10.5	8.71	6.97	4.78	3.69	2.31
02074500	Sandy River above Route 863 near Danville, Va.	62.0	54.0	45.0	35.0	27.0	17.0
02074680	Sandy Creek at Route 746 near Danville, Va.	4.27	3.47	2.87	2.50	2.25	1.85
02075000	Dan River at railroad bridge at Danville, Va.	1,360	1,160	976	803	686	500
02075020	Fall Creek at Route 719 near Danville, Va.	1.12	0.794	0.597	0.461	0.360	0.260
02075029	Fall Creek along Route 730 at Danville, Va.	11.3	9.23	7.22	5.08	3.65	1.78
02075045	Dan River at wastewater outfall near Danville, Va.	1,280	1,080	902	663	493	238
0207509125	Hogans Creek tributary above Goodyear Plant near Danville, Va.	0.292	0.219	0.147	0.084	0.046	0.011
02075191	Cane Creek at Lorillard Tobacco outfall near Ringgold, Va.	1.51	1.21	0.947	0.741	0.637	0.509
02075275	Sandy Creek (River) at Route 58 near Ringgold, Va.	5.27	4.00	3.22	2.59	2.37	1.90
02075350	Powells Creek at Route 58 near Turbeville, Va.	0.088	0.058	0.038	0.026	0.021	0.014
02075390	Double Creek at Route 688 near Sutherlin, Va.	3.10	2.54	1.99	1.32	0.965	0.513
02075475	Byrds Branch at Route 810 near Paces, Va.	0.482	0.376	0.280	0.190	0.136	0.076
02075500	Dan River at Route 658 at Paces, Va.	1,580	1,340	1,120	880	719	465
02075600	Birch Creek at Route 729 near Birch, Va.	7.68	6.02	4.49	2.50	1.59	0.354

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
02075700	Birch Creek at Route 659 near Paces, Va.	1.26	0.996	--	163	80.5	49.3	31.6	20.1
02075900	Lawsons Creek at Route 658 at Turbeville, Va.	0.569	0.554	33.3	9.87	6.78	5.31	4.36	3.59
02076100	Wet Sleeve Creek at Banister near Swansonville, Va.	0.581	0.575	28.6	8.87	6.05	4.65	3.75	3.02
02076280	Dry Fork above Vulcan Materials at Dry Fork, Va.	0.934	0.925	46.4	7.05	3.81	2.50	1.76	1.24
02076300	Banister River at Route 29 near Chatham, Va.	0.327	0.303	106	68.5	58.6	52.6	47.3	42.2
02076340	Cherrystone Creek above Tanyard Branch near Chatham, Va.	0.472	0.554	376	94.1	56.3	38.9	29.0	22.0
02076353	Cherrystone Creek at Route 703 near Chatham, Va.	0.414	0.437	168	62.7	43.1	33.0	25.9	20.1
02076430	Whitethorn Creek at Route 685 near Sonans, Va.	0.324	0.406	121	41.2	28.7	21.7	17.6	14.3
02076500	Georges Creek at Route 40 near Gretna, Va.	0.278	0.363	56.6	15.0	11.0	9.60	8.40	7.40
02076610	Stinking River at Route 927 near Mount Airy, Va.	0.224	0.289	49.2	19.4	14.5	12.0	10.5	9.18
02076650	Banister River at Route 640 near Mount Airy, Va.	0.331	0.371	820	332	239	187	152	124
02076700	Blacks Creek at Route 40 near Mount Airy, Va.	1.06	1.00	20.3	3.57	1.80	1.15	0.809	0.543
02076770	Sandy Creek at Route 832 at Meadville, Va.	0.422	0.455	271	92.1	66.6	54.4	45.7	38.5
02077000	Banister River at Route 360 (Business) at Halifax, Va.	0.445	0.546	3,880	941	609	465	372	301
02077500	Hyco River at Route 501 near Denniston, Va.	0.602	0.806	2,790	623	268	164	110	72.0
02078000	Hyco River at Route 738 near Omega, Va.	0.732	0.785	3,772	1,010	472	295	209	151
02079000	Roanoke River at Route 58 at Clarksville, Va.	0.330	0.408	50,000	15,300	9,880	7,800	6,490	5,560
02079640	Allen Creek at Route 58 near Boydton, Va.	0.897	0.784	593	80.0	42.0	29.0	20.0	15.0
02079660	Jolly Hollow Branch at Route 92 at Boydton, Va.	0.939	0.831	20.2	4.44	2.47	1.61	1.08	0.738
0207966605	Flat Creek at Route 642 near South Hill, Va.	0.090	0.097	3.70	2.98	2.80	2.70	2.62	2.53
0207966625	Flat Creek at Route 630 near Smiths Crossroads, Va.	0.675	0.724	164	32.8	20.8	15.7	12.4	9.56
02079740	Great Creek at Route 620 near Marengo, Va.	0.711	0.676	19.6	8.79	6.43	5.18	4.19	3.33
0207974250	Great Creek at Route 619 near Bracey, Va.	0.907	0.973	219	25.2	13.6	9.37	6.83	4.81
03162852	Peach Bottom Creek at Route 697 near Independence, Va.	0.508	0.554	314	78.7	48.4	34.2	25.5	19.0
03163000	New River above Kings Branch near Baywood, Va.	0.121	0.263	9,985	3,070	2,300	2,050	1,720	1,665
03164000	New River at Route 94 near Galax, Va.	0.345	0.375	9,120	3,400	2,460	2,000	1,690	1,440
03164100	Bull Run at Providence Elementary School wastewater outfall near Stevens Creek, Va.	0.205	0.195	0.547	0.374	0.326	0.295	0.268	0.242
03164500	New River at railroad bridge near Grayson, Va.	0.238	0.320	8,540	3,580	2,650	2,300	1,950	1,610

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

		Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
Station number	Station description	Flow (ft³/s)					
02075700	Birch Creek at Route 659 near Paces, Va.	13.4	7.76	4.12	1.11	0.381	--
02075900	Lawsons Creek at Route 658 at Turbeville, Va.	2.86	2.22	1.60	0.969	0.647	0.293
02076100	Wet Sleeve Creek at Banister near Swansonville, Va.	2.38	1.81	1.29	0.792	0.534	0.210
02076280	Dry Fork above Vulcan Materials at Dry Fork, Va.	0.848	0.545	0.318	0.145	0.077	0.017
02076300	Banister River at Route 29 near Chatham, Va.	36.5	32.0	26.7	19.9	14.9	8.52
02076340	Cherrystone Creek above Tanyard Branch near Chatham, Va.	16.7	12.6	9.64	7.42	6.10	4.40
02076353	Cherrystone Creek at Route 703 near Chatham, Va.	15.3	11.9	9.42	7.75	6.92	5.93
02076430	Whitethorn Creek at Route 685 near Sonans, Va.	12.0	9.53	8.06	6.79	6.05	4.30
02076500	Georges Creek at Route 40 near Gretna, Va.	6.60	5.90	5.00	3.90	3.20	2.20
02076610	Stinking River at Route 927 near Mount Airy, Va.	7.88	6.85	6.10	5.49	5.24	4.91
02076650	Banister River at Route 640 near Mount Airy, Va.	99.4	80.6	68.2	57.7	53.9	45.6
02076700	Blacks Creek at Route 40 near Mount Airy, Va.	0.356	0.218	0.116	0.047	0.024	0.004
02076770	Sandy Creek at Route 832 at Meadville, Va.	32.1	26.3	20.7	14.6	10.5	5.14
02077000	Banister River at Route 360 (Business) at Halifax, Va.	248	202	160	108	79.0	29.0
02077500	Hyco River at Route 501 near Denniston, Va.	49.0	35.0	26.0	18.0	11.0	3.00
02078000	Hyco River at Route 738 near Omega, Va.	106	74.0	49.0	28.0	17.0	5.50
02079000	Roanoke River at Route 58 at Clarksville, Va.	4,780	4,100	3,340	2,600	2,200	1,580
02079640	Allen Creek at Route 58 near Boydton, Va.	10.0	6.80	4.00	1.90	0.900	0.000
02079660	Jolly Hollow Branch at Route 92 at Boydton, Va.	0.458	0.273	0.158	0.085	0.060	0.030
0207966605	Flat Creek at Route 642 near South Hill, Va.	2.44	2.33	2.20	2.05	1.95	1.55
0207966625	Flat Creek at Route 630 near Smiths Crossroads, Va.	7.30	5.29	3.39	2.02	1.38	0.246
02079740	Great Creek at Route 620 near Marengo, Va.	2.56	1.88	1.26	0.647	0.353	0.066
0207974250	Great Creek at Route 619 near Bracey, Va.	3.35	2.17	1.19	0.595	0.357	0.035
03162852	Peach Bottom Creek at Route 697 near Independence, Va.	14.1	10.4	7.83	5.90	5.10	4.08
03163000	New River above Kings Branch near Baywood, Va.	1,540	1,460	1,390	1,260	1,150	1,060
03164000	New River at Route 94 near Galax, Va.	1,220	1,020	835	651	550	400
03164100	Bull Run at Providence Elementary School wastewater outfall near Stevens Creek, Va.	0.217	0.194	0.172	0.151	0.139	0.115
03164500	New River at railroad bridge near Grayson, Va.	1,400	1,210	1,070	930	778	580

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
03165000	Chestnut Creek above Route 89 at Galax, Va.	0.285	0.346	353	108	82.0	69.0	60.0	52.0
03165500	New River at Ivanhoe, Va.	0.363	0.377	9,745	3,710	2,760	2,290	1,960	1,680
03166000	Cripple Creek at Route 94 near Ivanhoe, Va.	0.267	0.404	581	219	142	102	75.0	61.0
03166500	Neff-Litz Spring near Rural Retreat, Va.	0.153	0.200	7.11	4.10	3.35	2.93	2.62	2.36
03166800	Glade Creek at Route 629 at Grahams Forge, Va.	0.528	0.730	13.4	1.30	0.700	0.480	0.350	0.270
03166880	West Spring at National Fish Hatchery, near Grahams Forge, Va.	0.029	0.053	6.50	5.20	5.00	4.90	4.80	4.60
03166900	Boiling Spring at National Fish Hatchery near Grahams Forge, Va.	0.049	0.070	3.60	3.30	3.20	3.10	2.90	2.80
03166905	Harkrader Spring near Grahams Forge, Va.	0.071	0.086	8.48	6.32	5.90	5.65	5.46	5.27
03167000	Reed Creek at Route 619 at Grahams Forge, Va.	0.335	0.439	1,790	535	343	255	200	158
03167150	Big Reed Island Creek at Olde Mill Golf Resort near Laurel Fork, Va.	0.264	0.291	124	67.8	56.1	49.8	45.1	40.6
03167500	Big Reed Island Creek below Route 693 near Allisonia, Va.	0.278	0.341	1,952	666	502	420	360	313
03167610	East Fork Little Reed Island Creek tributary 2 at Utt's Campground near Fancy Gap, Va.	0.292	0.324	0.231	0.114	0.093	0.081	0.072	0.064
03168000	New River along Route 653 at Allisonia, Va.	0.345	0.378	16,000	5,715	4,180	3,400	2,820	2,390
03168500	Peak Creek below Route 11 at Pulaski, Va.	0.850	0.816	630	114	62.0	38.0	25.0	17.0
03169500	Little River at Route 787 near Copper Valley, Va.	0.208	0.303	1,270	480	380	310	261	221
03170000	Little River at Route 693 at Graysontown (Graysonton), Va.	0.333	0.383	1,940	613	456	375	316	267
03171000	New River below Route 11 at Radford, Va.	0.396	0.378	16,700	7,170	5,290	4,240	3,500	2,910
03171040	Connellys Run at Bissett Park Bridge at Radford, Va.	0.309	0.383	9.88	3.27	2.32	1.95	1.67	1.45
03171095	Plum Creek at Route 11 at Radford, Va.	0.535	0.663	--	--	--	665	507	400
03171170	Crab Creek at Christiansburg wastewater outfall near Christiansburg, Va.	0.731	0.965	--	120	54.7	34.6	24.8	18.3
03171215	Stroubles Creek at Route 657 near Prices Fork, Va.	0.279	0.387	48.7	11.2	8.21	6.94	6.10	5.37
03171220	Stroubles Creek at Route 705 near Radford (previously Route 659), Va.	0.435	0.515	85.2	22.3	14.0	10.3	7.67	5.88
03171500	New River at Route 730 at Eggleston, Va.	0.350	0.366	16,953	7,250	5,280	4,300	3,570	3,000
03171550	Sinking Creek at Route 700 near Newport, Va.	0.267	0.265	118	74.8	63.9	56.7	50.6	45.1
03171700	Crab Orchard Creek at Route 605 near Bland, Va.	0.615	0.605	118	33.9	20.8	14.4	10.6	7.62
03171900	Kimberling Creek at Route 612 near Holly Brook, Va.	1.57	1.43	908	84.4	31.0	17.5	9.76	5.26
03171950	Kimberling Creek at Route 42 near Mechanicsburg, Va.	0.471	0.621	552	58.5	35.2	26.3	21.2	17.4
03172000	Wabash Spring near Poplar Hill, Va.	0.580	0.712	98.3	16.6	9.01	6.14	4.52	3.44

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
03165000	Chestnut Creek above Route 89 at Galax, Va.	45.0	40.0	34.0	27.0	23.0	18.0
03165500	New River at Ivanhoe, Va.	1,420	1,180	949	728	601	402
03166000	Cripple Creek at Route 94 near Ivanhoe, Va.	53.0	44.0	39.0	33.0	28.3	25.0
03166500	Neff-Litz Spring near Rural Retreat, Va.	2.13	1.96	1.80	1.66	1.57	1.45
03166800	Glade Creek at Route 629 at Grahams Forge, Va.	0.210	0.160	0.120	0.080	0.050	0.020
03166880	West Spring at National Fish Hatchery, near Grahams Forge, Va.	4.50	4.40	4.40	4.30	4.20	4.20
03166900	Boiling Spring at National Fish Hatchery near Grahams Forge, Va.	2.70	2.60	2.50	2.50	2.40	2.00
03166905	Harkrader Spring near Grahams Forge, Va.	5.08	4.93	4.74	4.48	4.30	4.05
03167000	Reed Creek at Route 619 at Grahams Forge, Va.	127	105	87.0	73.0	65.0	54.0
03167150	Big Reed Island Creek at Olde Mill Golf Resort near Laurel Fork, Va.	36.8	32.7	28.4	22.1	16.6	9.64
03167500	Big Reed Island Creek below Route 693 near Allisonia, Va.	273	236	200	165	140	105
03167610	East Fork Little Reed Island Creek tributary 2 at Utt's Campground near Fancy Gap, Va.	0.057	0.050	0.042	0.033	0.025	0.013
03168000	New River along Route 653 at Allisonia, Va.	2,020	1,680	1,380	1,080	919	700
03168500	Peak Creek below Route 11 at Pulaski, Va.	10.0	6.00	3.80	2.40	2.00	1.00
03169500	Little River at Route 787 near Copper Valley, Va.	193	174	157	137	120	104
03170000	Little River at Route 693 at Graysontown (Graysonton), Va.	227	192	158	124	103	76.0
03171000	New River below Route 11 at Radford, Va.	2,380	1,930	1,540	1,170	1,040	864
03171040	Connellys Run at Bissett Park Bridge at Radford, Va.	1.29	1.12	0.937	0.714	0.579	0.323
03171095	Plum Creek at Route 11 at Radford, Va.	324	253	187	117	80.9	29.5
03171170	Crab Creek at Christiansburg wastewater outfall near Christiansburg, Va.	13.4	9.39	6.20	3.41	2.03	0.680
03171215	Stroubles Creek at Route 657 near Prices Fork, Va.	4.70	4.16	3.54	2.83	2.25	1.49
03171220	Stroubles Creek at Route 705 near Radford (previously Route 659), Va.	4.59	3.55	2.79	2.16	1.80	1.36
03171500	New River at Route 730 at Eggleston, Va.	2,520	2,070	1,680	1,340	1,150	882
03171550	Sinking Creek at Route 700 near Newport, Va.	39.4	34.2	29.5	24.4	20.0	12.9
03171700	Crab Orchard Creek at Route 605 near Bland, Va.	5.40	3.84	2.68	1.85	1.49	1.08
03171900	Kimberling Creek at Route 612 near Holly Brook, Va.	2.90	1.29	0.476	0.142	0.061	0.007
03171950	Kimberling Creek at Route 42 near Mechanicsburg, Va.	14.3	11.3	8.67	5.90	4.23	2.09
03172000	Wabash Spring near Poplar Hill, Va.	2.78	2.30	1.70	0.903	0.471	0.199

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
Flow (ft³/s)									
03172500	Walker Creek at Route 660 at Staffordsville, Va.	0.586	0.564	2,439	785	476	346	258	189
03173000	Walker Creek below Route 100 at Bane, Va.	0.523	0.564	2,536	727	443	308	224	160
03173500	Francis Spring near Bane, Va.	0.195	0.256	4.37	2.16	1.67	1.40	1.22	1.06
03174000	New River at Route 61 at Narrows, Va.	0.330	0.380	22,689	7,234	5,394	4,442	3,748	3,171
03174500	Wolf Creek near Shawver Mill (Burkes Garden), Va.	0.532	0.611	671	138	81.4	56.7	41.2	30.5
03174680	Hunting Camp Creek at wastewater outfall at Bastian, Va.	1.11	1.09	1,057	131	58.6	29.6	16.3	8.50
03175100	Cox Branch above Tazewell Reservoir, near Gratton, Va.	0.675	0.574	27.4	9.60	6.10	4.50	3.70	2.70
03175140	West Fork Cove Creek below Oneida Branch near Bluefield, Va.	0.709	0.654	58.1	19.0	12.0	8.50	6.24	4.60
03175500	Wolf Creek at Route 724 near Narrows, Va.	0.599	0.588	2,100	680	440	304	220	155
03176433	Rich Creek at Route 806 at Rich Creek, Va.	0.580	0.625	280	70.0	40.4	27.0	19.0	13.1
03176500	New River at Route 460 at Glen Lyn, Va.	0.387	0.394	24,000	9,520	6,800	5,440	4,460	3,680
03177156	Adair Run at Route 648 at Glen Lyn, Va.	1.50	1.61	--	94.8	23.0	8.10	3.25	1.24
03177575	Bluestone River at Shannandale near Springville, Va.	0.299	0.322	55.6	26.2	20.5	16.9	14.1	12.1
03177620	Bluestone River at Parkview Avenue at Bluefield, Va.	0.479	0.470	138	56.1	39.6	29.4	22.7	17.2
03177680	Wrights Valley Creek at mouth at Bluefield, Va.	0.638	0.792	234	31.9	15.4	9.44	6.04	3.80
03177695	Beaverpond Creek at mouth at Bluefield, Va.	0.505	0.481	47.9	18.7	13.4	10.5	8.25	6.40
03177700	Bluestone River above wastewater outfall at Bluefield, Va.	0.503	0.504	358	119	77.0	57.0	45.0	35.0
03177710	Bluestone River at Route 717 at Falls Mills, Va.	0.445	0.478	365	131	87.0	65.0	50.0	39.0
03177715	Brush Fork at Route 717 at Falls Mill, Va.	0.673	0.881	321	28.5	11.7	6.44	3.96	2.47
03177725	Mud Fork at Route 102 at Falls Mills, Va.	0.952	1.03	691	71.0	28.8	14.9	8.33	4.52
03207218	Unnamed mine drain to Aus Keen Branch near Keen Mountain, Va.	1.09	1.18	76.1	4.80	1.95	0.974	0.502	0.283
03207225	Garden Creek at Route 632 at Mount Heron, Va.	0.885	0.879	97.9	21.8	12.9	8.67	5.95	4.06
0320722510	Garden Creek above Right Fork at Mount Heron, Va.	0.440	0.577	139	28.4	15.8	10.7	7.79	5.72
03207226	Right Fork at Trivett Road at Rowe, Va.	0.626	0.650	694	131	78.8	57.1	43.7	33.5
03207230	Garden Creek at Route 669 at Oakwood, Va.	0.904	0.897	333	71.9	42.2	28.0	19.1	12.9
03207240	Unnamed mine drain to Dismal Creek near Jewell Valley, Va.	0.737	0.796	59.7	9.26	5.04	3.16	2.02	1.37
03207250	Dismal Creek at Route 638 at Whitewood, Va.	0.665	0.649	384	88.9	52.6	36.7	26.8	18.8
03207255	Unnamed mine drain to Laurel Fork above Old House Hollow at Jewell Ridge, Va.	0.632	0.654	12.8	2.91	1.66	1.12	0.797	0.558

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
03172500	Walker Creek at Route 660 at Staffordsville, Va.	135	97.0	72.0	49.0	42.0	32.0
03173000	Walker Creek below Route 100 at Bane, Va.	115	84.0	63.0	48.0	42.0	34.0
03173500	Francis Spring near Bane, Va.	0.934	0.836	0.749	0.676	0.632	0.567
03174000	New River at Route 61 at Narrows, Va.	2,700	2,286	1,884	1,482	1,233	912
03174500	Wolf Creek near Shawver Mill (Burkes Garden), Va.	22.7	16.8	12.3	8.96	6.98	4.58
03174680	Hunting Camp Creek at wastewater outfall at Bastian, Va.	4.43	2.39	1.25	0.661	0.459	0.269
03175100	Cox Branch above Tazewell Reservoir, near Gratton, Va.	2.00	1.40	0.930	0.570	0.460	0.330
03175140	West Fork Cove Creek below Oneida Branch near Bluefield, Va.	3.20	2.10	1.34	0.900	0.500	0.400
03175500	Wolf Creek at Route 724 near Narrows, Va.	109	78.0	55.0	39.0	32.0	24.0
03176433	Rich Creek at Route 806 at Rich Creek, Va.	9.05	6.39	4.64	3.43	2.96	2.34
03176500	New River at Route 460 at Glen Lyn, Va.	3,000	2,450	1,940	1,510	1,300	1,040
03177156	Adair Run at Route 648 at Glen Lyn, Va.	0.482	0.196	0.086	0.039	0.027	0.015
03177575	Bluestone River at Shannandale near Springville, Va.	9.99	8.28	6.97	6.07	5.17	4.33
03177620	Bluestone River at Parkview Avenue at Bluefield, Va.	13.0	9.92	7.50	5.70	4.86	3.86
03177680	Wrights Valley Creek at mouth at Bluefield, Va.	2.58	1.79	1.27	0.875	0.669	0.398
03177695	Beaverpond Creek at mouth at Bluefield, Va.	4.93	3.74	2.77	2.00	1.63	1.04
03177700	Bluestone River above wastewater outfall at Bluefield, Va.	26.0	20.0	15.0	11.0	8.40	7.08
03177710	Bluestone River at Route 717 at Falls Mills, Va.	29.2	23.0	17.0	14.0	12.0	8.21
03177715	Brush Fork at Route 717 at Falls Mill, Va.	1.59	1.09	0.745	0.524	0.415	0.286
03177725	Mud Fork at Route 102 at Falls Mills, Va.	2.47	1.40	0.827	0.504	0.395	0.269
03207218	Unnamed mine drain to Aus Keen Branch near Keen Mountain, Va.	0.141	0.071	0.038	0.023	0.013	0.007
03207225	Garden Creek at Route 632 at Mount Heron, Va.	2.59	1.62	0.987	0.529	0.270	0.064
0320722510	Garden Creek above Right Fork at Mount Heron, Va.	4.29	3.34	2.61	2.08	1.78	1.40
03207226	Right Fork at Trivett Road at Rowe, Va.	25.1	18.2	12.5	7.92	5.69	2.85
03207230	Garden Creek at Route 669 at Oakwood, Va.	8.15	5.07	3.05	1.61	0.813	0.187
03207240	Unnamed mine drain to Dismal Creek near Jewell Valley, Va.	0.859	0.540	0.353	0.251	0.168	0.109
03207250	Dismal Creek at Route 638 at Whitewood, Va.	12.9	8.88	5.95	4.07	3.27	2.49
03207255	Unnamed mine drain to Laurel Fork above Old House Hollow at Jewell Ridge, Va.	0.395	0.277	0.191	0.130	0.104	0.077

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
03207260	Unnamed mine drain to Laurel Fork above Kinder Branch near Jewell Ridge, Va.	1.19	1.18	--	--	--	266	152	84.7
03207290	Unnamed mine drain to Burnt Chestnut Branch near Keen Mountain, Va.	0.593	0.640	9.90	2.21	1.36	0.933	0.651	0.478
03207295	Lower Big Branch at Route 685 near Patterson, Va.	0.352	0.334	53.4	27.8	22.0	18.6	15.7	13.2
03207299	Dismal Creek above Mill Branch near Oakwood, Va.	0.717	0.682	996	263	163	115	82.3	57.3
03207350	Levisa Fork below Laurel Branch near Vansant, Va.	0.719	0.708	3,278	763	431	281	197	133
03207398	Trace Fork Branch along Route 83 near Vansant, Va.	0.837	0.796	116	24.5	14.1	9.38	6.31	4.14
03207407	Dry Fork at Route 627 at Vansant, Va.	0.902	0.858	61.1	11.4	6.28	4.06	2.65	1.68
03207450	Slate Creek at Route 1003 at Grundy, Va.	0.757	0.752	1,525	422	270	192	139	100
03207500	Levisa Fork along Route 460 near Grundy, Va.	0.970	0.927	2,802	656	382	250	172	112
03207528	Unnamed mine drain to Burnt Poplar Fork near Harman Junction, Va.	0.365	0.394	4.80	1.91	1.41	1.12	0.900	0.743
03207530	Bull Creek near Harman Junction, Va.	0.251	0.305	34.2	12.1	9.47	8.14	7.19	6.34
03207550	Lynn Camp Creek at Route 460 near Harman Junction, Va.	0.445	0.527	53.1	13.5	8.37	6.08	4.51	3.44
03207600	Home Creek at Route 700 near Big Rock, Va.	0.690	0.679	109	27.0	15.6	10.4	7.36	5.06
03207700	Unnamed mine drain to Levisa Fork at Big Rock, Va.	0.746	0.814	4.60	0.604	0.295	0.177	0.115	0.075
03207800	Levisa Fork below Route 645 at Big Rock, Va.	0.699	0.664	2,988	817	513	366	263	185
03207803	Unnamed mine drain to Dog Fork near Harman, Va.	0.355	0.348	0.425	0.218	0.169	0.135	0.112	0.091
03207805	Conaway Creek at Route 610 at Conaway, Va.	0.584	0.580	188	69.7	49.3	37.9	29.6	23.0
03208032	Grissom Creek near Fletcher Ridge near Council, Va.	1.41	0.852	3.60	1.20	0.820	0.602	0.428	0.260
03208033	Grissom Creek tributary near Council, Va.	1.51	0.836	5.36	1.90	1.24	0.891	0.558	0.325
0320803350	Grissom Creek above Venia near Council, Va.	1.28	1.28	28.2	3.19	1.49	0.836	0.484	0.279
03208034	Grissom Creek at Route 626 near Council, Va.	1.37	1.09	20.2	6.80	4.50	2.70	1.60	0.940
03208036	Barton Fork above mouth near Council, Va.	0.813	0.816	13.0	3.40	1.90	1.20	0.790	0.520
03208040	Russell Fork at Route 80 at Council, Va.	0.971	0.838	84.2	25.0	16.0	10.0	7.00	4.30
03208043	Russell Fork along Route 80 at Davenport, Va.	1.10	1.09	303	47.1	24.6	15.0	9.42	5.88
03208046	Hurricane Creek along Route 600 at Davenport, Va.	1.26	1.25	232	27.4	13.0	7.39	4.33	2.52
0320806490	Unnamed mine drain to Tiller Fork near Duty, Va.	0.334	0.414	3.70	1.30	0.892	0.690	0.546	0.428
03208089	Little Pawpaw Creek at Route 605 near Colley, Va.	1.22	1.21	55.6	4.42	1.85	1.01	0.568	0.313
03208100	Russell Fork at Route 80 near Birchleaf, Va.	0.936	0.821	627	208	124	86.8	54.0	32.5

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
03207260	Unnamed mine drain to Laurel Fork above Kinder Branch near Jewell Ridge, Va.	43.9	23.4	11.9	5.44	2.98	0.862
03207290	Unnamed mine drain to Burnt Chestnut Branch near Keen Mountain, Va.	0.328	0.226	0.160	0.122	0.088	0.062
03207295	Lower Big Branch at Route 685 near Patterson, Va.	11.0	9.06	7.35	5.86	5.10	3.72
03207299	Dismal Creek above Mill Branch near Oakwood, Va.	39.6	26.7	17.4	11.0	8.26	4.35
03207350	Levisa Fork below Laurel Branch near Vansant, Va.	89.0	59.8	39.1	25.4	19.8	13.5
03207398	Trace Fork Branch along Route 83 near Vansant, Va.	2.69	1.70	1.03	0.602	0.431	0.204
03207407	Dry Fork at Route 627 at Vansant, Va.	1.06	0.645	0.376	0.211	0.147	0.066
03207450	Slate Creek at Route 1003 at Grundy, Va.	68.1	45.7	29.9	17.5	9.86	2.88
03207500	Levisa Fork along Route 460 near Grundy, Va.	66.0	40.0	22.0	12.0	7.00	1.30
03207528	Unnamed mine drain to Burnt Poplar Fork near Harman Junction, Va.	0.590	0.469	0.380	0.321	0.263	0.212
03207530	Bull Creek near Harman Junction, Va.	5.58	5.03	4.36	3.56	3.09	2.49
03207550	Lynn Camp Creek at Route 460 near Harman Junction, Va.	2.67	2.05	1.60	1.23	1.03	0.767
03207600	Home Creek at Route 700 near Big Rock, Va.	3.44	2.35	1.57	1.03	0.813	0.566
03207700	Unnamed mine drain to Levisa Fork at Big Rock, Va.	0.048	0.031	0.020	0.013	0.011	0.008
03207800	Levisa Fork below Route 645 at Big Rock, Va.	129	88.0	58.0	37.0	28.0	15.0
03207803	Unnamed mine drain to Dog Fork near Harman, Va.	0.074	0.061	0.049	0.040	0.036	0.030
03207805	Conaway Creek at Route 610 at Conaway, Va.	17.1	12.6	9.04	5.99	3.85	1.49
03208032	Grissom Creek near Fletcher Ridge near Council, Va.	0.120	0.060	0.030	0.010	0.010	0.000
03208033	Grissom Creek tributary near Council, Va.	0.132	0.080	0.040	0.010	0.000	0.000
0320803350	Grissom Creek above Venia near Council, Va.	0.145	0.074	0.036	0.014	0.005	0.001
03208034	Grissom Creek at Route 626 near Council, Va.	0.472	0.230	0.120	0.040	0.010	0.010
03208036	Barton Fork above mouth near Council, Va.	0.310	0.190	0.120	0.080	0.050	0.020
03208040	Russell Fork at Route 80 at Council, Va.	2.50	1.50	0.910	0.460	0.270	0.150
03208043	Russell Fork along Route 80 at Davenport, Va.	3.36	1.89	1.02	0.471	0.205	0.035
03208046	Hurricane Creek along Route 600 at Davenport, Va.	1.32	0.683	0.337	0.139	0.053	0.007
0320806490	Unnamed mine drain to Tiller Fork near Duty, Va.	0.350	0.289	0.241	0.198	0.173	0.131
03208089	Little Pawpaw Creek at Route 605 near Colley, Va.	0.160	0.084	0.042	0.019	0.010	0.003
03208100	Russell Fork at Route 80 near Birchleaf, Va.	17.0	9.51	6.20	3.77	2.74	1.43

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
Flow (ft³/s)									
032081037	Unnamed mine drain to Fryingpan Creek at Bucu, Va.	0.218	0.271	23.0	11.6	9.06	7.65	6.57	5.60
03208150	Lick Creek along Route 670 at Birchleaf, Va.	0.598	0.603	7,189	2,000	1,230	865	640	444
03208240	War Fork along Route 83 at Prater, Va.	0.847	0.805	54.1	11.2	6.39	4.25	2.84	1.86
03208280	Greenbrier Creek at Route 83 at Vacey, Va.	0.943	0.896	169	29.5	15.7	9.99	6.40	3.98
03208400	McClure River above Buffalo Creek at Nora, Va.	0.653	0.649	244	62.8	39.4	28.5	20.9	15.2
03208410	Buffalo Creek at Route 63 near Nora, Va.	1.03	0.982	60.4	8.89	4.47	2.72	1.67	0.991
03208500	Russell Fork below Route 63 at Haysi, Va.	0.898	0.892	3,397	740	435	290	198	135
03208670	North Fork Pound River along Route 671 at Gilley near Flat Gap, Va.	1.33	1.24	321	36.8	16.5	9.76	5.82	3.47
03208700	North Fork Pound River below dam at Pound, Va.	0.664	0.827	231	69.3	36.0	24.0	17.0	12.0
03208720	Unnamed mine drain to Phillips Creek near Flat Gap, Va.	0.229	0.224	0.803	0.484	0.404	0.357	0.320	0.283
03208795	South Fork Pound River at Route 700 at Pound, Va.	0.668	0.663	207	51.5	31.9	22.9	16.7	12.1
03208800	Pound River above Indian Creek, at Pound, Va.	0.692	0.717	477	148	77.0	53.0	39.0	29.0
03208810	Indian Creek above Route 23 at Pound, Va.	0.671	0.666	89.0	28.5	19.2	14.1	10.6	7.97
03208812	Unnamed mine drain to Meade Fork near Pound, Va.	0.087	0.085	0.904	0.768	0.721	0.683	0.652	0.619
03208850	Pound River below Bold Camp Creek, at Pound, Va.	0.680	0.677	814	222	119	83.0	62.0	46.0
03208865	Bad Creek along Route 23 at Pound, Va.	0.744	0.797	15.7	2.67	1.64	1.19	0.894	0.616
03208870	Bad Creek tributary at Route 23 at Pound, Va.	1.30	1.29	16.4	1.80	0.832	0.463	0.266	0.152
03208874	Right Fork Bearpen Creek at Route 630 near Pound, Va.	0.995	0.946	20.2	3.19	1.64	1.02	0.635	0.385
03208876	Left Fork Bearpen Creek at Route 630 near Pound, Va.	1.01	1.02	9.46	0.973	0.468	0.298	0.210	0.148
03208880	White Oak Creek tributary (Johnson Hollow tributary) at Route 630 near Pound, Va.	0.938	0.892	16.1	2.82	1.51	0.961	0.617	0.385
03208900	Pound River at Route 624 near Georges Fork, Va.	0.758	0.701	1,000	286	160	113	86.0	63.0
03208903	Pine Creek at Route 630 near Georges Fork, Va.	0.876	0.944	14.7	1.81	0.789	0.429	0.252	0.143
03208904	Unnamed mine drain to Georges Fork at Baden near Georges Fork, Va.	0.132	0.130	1.28	0.980	0.883	0.816	0.764	0.711
0320890485	Georges Fork below Laurel Creek at Georges Fork, Va.	0.691	0.687	105	24.9	15.2	10.8	7.78	5.55
0320890488	Unnamed mine drain to Georges Fork near Georges Fork, Va.	0.615	0.661	0.338	0.082	0.047	0.031	0.022	0.015
03208937	Birchfield Creek at Route 636 near Duncan Gap, Va.	0.492	0.476	43.2	16.5	11.7	9.38	7.51	5.98
0320893750	Unnamed mine drain to Dotson Creek near Wise, Va.	0.361	0.388	0.314	0.137	0.098	0.078	0.063	0.051
03208950	Cranes Nest River below railroad bridge near Clintwood, Va.	0.667	0.662	664	166	103	74.0	54.0	39.0

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
032081037	Unnamed mine drain to Fryingpan Creek at Bucu, Va.	4.91	4.33	3.85	3.39	3.09	2.59
03208150	Lick Creek along Route 670 at Birchleaf, Va.	312	225	162	112	90.0	68.0
03208240	War Fork along Route 83 at Prater, Va.	1.20	0.755	0.455	0.264	0.188	0.088
03208280	Greenbrier Creek at Route 83 at Vacey, Va.	2.45	1.46	0.833	0.454	0.312	0.134
03208400	McClure River above Buffalo Creek at Nora, Va.	10.6	7.52	5.19	3.38	2.43	1.23
03208410	Buffalo Creek at Route 63 near Nora, Va.	0.582	0.331	0.179	0.092	0.061	0.024
03208500	Russell Fork below Route 63 at Haysi, Va.	85.0	53.0	32.0	17.0	8.60	2.00
03208670	North Fork Pound River along Route 671 at Gilley near Flat Gap, Va.	1.83	0.820	0.429	0.162	0.051	0.015
03208700	North Fork Pound River below dam at Pound, Va.	7.30	4.50	3.50	2.60	1.10	0.200
03208720	Unnamed mine drain to Phillips Creek near Flat Gap, Va.	0.249	0.219	0.191	0.167	0.155	0.141
03208795	South Fork Pound River at Route 700 at Pound, Va.	8.35	5.87	4.02	2.59	1.85	0.925
03208800	Pound River above Indian Creek, at Pound, Va.	20.0	14.0	8.70	5.90	4.00	1.20
03208810	Indian Creek above Route 23 at Pound, Va.	5.66	3.97	2.73	1.70	1.02	0.343
03208812	Unnamed mine drain to Meade Fork near Pound, Va.	0.588	0.561	0.533	0.507	0.493	0.473
03208850	Pound River below Bold Camp Creek, at Pound, Va.	35.0	24.0	16.0	9.60	6.95	3.10
03208865	Bad Creek along Route 23 at Pound, Va.	0.440	0.314	0.207	0.111	0.057	0.016
03208870	Bad Creek tributary at Route 23 at Pound, Va.	0.078	0.039	0.019	0.008	0.003	0.000
03208874	Right Fork Bearpen Creek at Route 630 near Pound, Va.	0.230	0.134	0.074	0.039	0.026	0.011
03208876	Left Fork Bearpen Creek at Route 630 near Pound, Va.	0.101	0.067	0.037	0.015	0.008	0.001
03208880	White Oak Creek tributary (Johnson Hollow tributary) at Route 630 near Pound, Va.	0.237	0.142	0.081	0.044	0.030	0.013
03208900	Pound River at Route 624 near Georges Fork, Va.	44.0	29.0	19.0	11.0	7.60	3.44
03208903	Pine Creek at Route 630 near Georges Fork, Va.	0.082	0.049	0.030	0.019	0.015	0.011
03208904	Unnamed mine drain to Georges Fork at Baden near Georges Fork, Va.	0.661	0.614	0.568	0.525	0.501	0.467
0320890485	Georges Fork below Laurel Creek at Georges Fork, Va.	3.79	2.63	1.78	1.13	0.797	0.388
0320890488	Unnamed mine drain to Georges Fork near Georges Fork, Va.	0.010	0.007	0.005	0.004	0.003	0.002
03208937	Birchfield Creek at Route 636 near Duncan Gap, Va.	4.47	3.33	2.55	1.93	1.44	0.948
0320893750	Unnamed mine drain to Dotson Creek near Wise, Va.	0.041	0.033	0.026	0.022	0.020	0.015
03208950	Cranes Nest River below railroad bridge near Clintwood, Va.	27.0	19.0	13.0	8.40	6.00	3.00

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
Flow (ft³/s)									
03209000	Pound River near Haysi, Va.	0.828	0.857	2,470	631	360	250	177	121
03209200	Russell Fork at Route 611 at Bartlick, Va.	0.621	0.683	5,319	1,630	857	595	438	322
03209225	Unnamed mine drain to Middle Fork near Breaks, Va.	0.457	0.542	0.373	0.091	0.056	0.040	0.030	0.022
03213572	Knox Creek at Route 650 at Hurley, Va.	0.894	0.861	544	89.7	53.3	35.4	25.9	19.2
03213577	Kershaw Branch near Hurley, Va.	0.574	0.685	3.80	1.20	0.580	0.380	0.240	0.150
03213581	Race Fork at Route 643 near Kelsa, Va.	0.724	0.710	74.6	19.1	11.3	7.22	4.88	3.20
03213584	Pawpaw Creek along Route 643 at Kelsa, Va.	0.794	0.764	113	22.9	14.4	10.0	7.59	5.82
03213590	Knox Creek at Route 697 at Kelsa, Va.	0.774	0.798	869	231	114	65.0	45.0	28.5
03471200	South Fork Holston River at Route 601 at Teas, Va.	0.645	0.742	1,207	178	93.5	60.3	40.9	28.4
03471500	South Fork Holston River above Route 645 at Riverside, near Chilhowie, Va.	0.414	0.451	688	223	150	113	89.0	70.0
03472080	Rush Creek above mouth near Friendship, Va.	0.658	0.756	180	25.6	13.3	8.49	5.71	3.94
03472260	Whitetop Laurel Creek at Konnarock, Va.	0.642	0.847	2,306	108	54.0	36.2	27.0	20.7
03472500	Beaverdam Creek above railroad bridge at Damascus, Va.	0.602	0.602	715	215	138	99.0	72.0	52.0
03473000	South Fork Holston River above Route 58 near Damascus, Va.	0.444	0.460	2,760	977	658	499	393	306
03473500	Middle Fork Holston River at Route 679 at Groseclose, Va.	0.232	0.366	53.1	15.0	10.0	8.00	6.80	5.80
03473660	Bear Creek at Route 622 near Marion, Va.	0.871	0.851	349	51.2	25.7	16.1	10.6	6.68
03473840	Hungry Mother Creek tributary near Marion, Va.	0.448	0.556	1,913	472	284	201	147	106
03473889	Walker Creek along Route 659 near Seven Mile Ford, Va.	0.899	1.06	1,838	129	45.9	22.5	12.7	6.97
03474000	Middle Fork Holston River at Route 11 at Seven Mile Ford, Va.	0.396	0.466	1,070	333	211	154	120	92.0
03474450	Carlock Creek at Route 774 at Chilhowie, Va.	0.733	0.716	88.9	17.7	9.93	6.68	4.72	3.20
03474500	Middle Fork Holston River at Route 762 at Chilhowie, Va.	0.446	0.494	1,500	400	259	188	146	120
03474700	Hutton Creek at Route 11 near Chilhowie, Va.	0.900	0.886	218	35.3	17.3	10.1	6.47	3.97
03474720	Hutton Creek at Huff Airport Road near Chilhowie, Va.	0.282	0.370	61.1	22.1	15.2	11.8	9.65	7.92
03474800	Hall Creek at Route 11 near Glade Spring, Va.	0.273	0.298	33.5	15.9	12.3	10.2	8.69	7.42
03474900	Byers Creek at Route 735 near Glade Spring, Va.	0.552	0.544	195	63.8	41.2	29.6	22.5	16.7
03474905	Byers Creek along Route 736 at Bramblewood Farm near Old Glade Spring, Va.	0.353	0.462	140	39.5	24.7	18.1	14.0	10.9
03475000	Middle Fork Holston River at Route 803 near Meadowview, Va.	0.361	0.448	1,513	490	325	246	191	147
03475595	East Fork Cedar Creek above Meadowview wastewater outfall at Cedarville, Va.	0.377	0.410	9.58	3.26	2.29	1.83	1.52	1.28

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
03209000	Pound River near Haysi, Va.	81.0	55.0	43.0	18.0	8.00	1.80
03209200	Russell Fork at Route 611 at Bartlick, Va.	229	156	110	77.0	50.0	18.1
03209225	Unnamed mine drain to Middle Fork near Breaks, Va.	0.017	0.013	0.010	0.008	0.006	0.005
03213572	Knox Creek at Route 650 at Hurley, Va.	13.5	9.03	5.46	2.45	1.10	0.401
03213577	Kershaw Branch near Hurley, Va.	0.100	0.080	0.060	0.040	0.030	0.020
03213581	Race Fork at Route 643 near Kelsa, Va.	2.09	1.39	0.914	0.603	0.475	0.336
03213584	Pawpaw Creek along Route 643 at Kelsa, Va.	4.26	2.98	1.90	0.935	0.458	0.187
03213590	Knox Creek at Route 697 at Kelsa, Va.	19.0	12.0	7.30	4.80	3.73	1.60
03471200	South Fork Holston River at Route 601 at Teas, Va.	19.8	13.8	9.49	6.43	4.76	2.85
03471500	South Fork Holston River above Route 645 at Riverside, near Chilhowie, Va.	55.0	43.0	34.0	27.0	24.0	20.0
03472080	Rush Creek above mouth near Friendship, Va.	2.73	1.89	1.29	0.865	0.636	0.377
03472260	Whitetop Laurel Creek at Konnarock, Va.	15.7	11.5	7.99	4.72	3.00	1.15
03472500	Beaverdam Creek above railroad bridge at Damascus, Va.	38.0	27.0	19.0	13.0	9.00	6.40
03473000	South Fork Holston River above Route 58 near Damascus, Va.	240	187	144	110	94.0	76.0
03473500	Middle Fork Holston River at Route 679 at Groseclose, Va.	5.00	4.40	3.80	3.40	3.00	2.50
03473660	Bear Creek at Route 622 near Marion, Va.	4.08	2.50	1.48	0.899	0.675	0.472
03473840	Hungry Mother Creek tributary near Marion, Va.	80.8	62.5	49.1	37.8	31.3	21.8
03473889	Walker Creek along Route 659 near Seven Mile Ford, Va.	4.12	2.44	1.44	0.879	0.678	0.467
03474000	Middle Fork Holston River at Route 11 at Seven Mile Ford, Va.	73.0	58.0	46.0	37.0	33.0	28.0
03474450	Carlock Creek at Route 774 at Chilhowie, Va.	2.11	1.40	0.899	0.592	0.465	0.345
03474500	Middle Fork Holston River at Route 762 at Chilhowie, Va.	95.2	72.0	55.0	43.0	37.0	27.0
03474700	Hutton Creek at Route 11 near Chilhowie, Va.	2.40	1.46	0.858	0.500	0.365	0.227
03474720	Hutton Creek at Huff Airport Road near Chilhowie, Va.	6.59	5.61	4.79	4.13	3.75	3.21
03474800	Hall Creek at Route 11 near Glade Spring, Va.	6.33	5.38	4.61	3.96	3.66	3.25
03474900	Byers Creek at Route 735 near Glade Spring, Va.	12.3	9.02	6.52	4.68	3.86	2.88
03474905	Byers Creek along Route 736 at Bramblewood Farm near Old Glade Spring, Va.	8.70	7.12	5.85	4.86	4.30	3.54
03475000	Middle Fork Holston River at Route 803 near Meadowview, Va.	118	96.0	79.0	64.0	55.0	41.0
03475595	East Fork Cedar Creek above Meadowview wastewater outfall at Cedarville, Va.	1.06	0.875	0.703	0.536	0.445	0.315

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
03475602	Cedar Creek at Route 706 near Cedarville, Va.	0.550	0.721	976	135	64.9	39.9	26.8	18.2
03475627	Wolf Creek at Route 11 at Abingdon, Va.	0.626	0.674	1,631	366	202	131	89.5	59.8
03475630	Wolf Creek at Route 670 above wastewater outfall at Vance Mill near Abingdon, Va.	0.420	0.412	168	76.0	56.0	43.2	34.4	26.9
03475700	Spring Creek at Route 11 near Abingdon, Va.	0.361	0.374	13.8	5.95	4.31	3.44	2.84	2.31
034765085	Sinking Creek near Hilander Park, Va.	0.407	0.439	10.3	3.70	2.64	2.04	1.60	1.29
03477500	Beaver Creek below Beaver Creek Lake near Wallace, Va.	0.337	0.378	64.0	27.0	20.0	16.0	13.0	10.0
03478400	Beaver Creek at Route 1405 at (near) Bristol, Va.	0.336	0.363	145	62.0	47.0	38.0	31.0	26.0
03487720	North Fork Holston River at Nebo, Va.	0.413	0.432	190	70.2	48.3	37.4	30.0	23.8
03487800	Lick Creek above Route 42 near Chatham Hill, Va.	0.946	0.820	300	78.0	44.0	30.0	20.0	15.0
03488000	North Fork Holston River along Route 91 near Saltville, Va.	0.602	0.588	2,400	637	396	286	215	156
03488037	McHenry Creek at Route 91 at Plasterco, Va.	0.899	0.885	341	55.2	27.0	15.8	10.1	6.22
03488100	North Fork Holston River at Route 611 near Plasterco, Va.	0.468	0.595	2,212	516	288	194	135	99.0
03488445	Brumley Creek near Hansonville, Va.	1.11	0.802	41.0	21.0	13.0	9.98	7.44	5.00
03488450	Brumley Creek at Route 611 at Brumley Gap, Va.	0.882	0.805	218	90.0	51.6	34.0	23.0	16.0
03488500	North Fork Holston River at Route 19 at Holston, Va.	0.599	0.625	5,062	1,177	688	485	336	231
03488955	Smith Creek along Route 614 near Craigs Mill, Va.	0.310	0.377	23.1	7.46	5.57	4.71	4.07	3.57
03489500	North Fork Holston River at Route 615 at Mendota, Va.	0.610	0.593	5,853	1,450	900	656	495	383
03489800	Cove Creek at Route 58 near Shelleys, Va.	0.848	0.828	521	80.4	41.2	26.0	17.4	11.1
03489850	Cove Creek at Route 803 near Hilton, Va.	0.626	0.609	196	46.4	28.0	19.0	14.0	11.0
03489860	Hilton Creek at Hilton, Va.	1.08	1.05	86.3	10.2	4.44	2.42	1.44	0.823
03489870	Big Moccasin Creek at Route 612 at Collinwood, near Hansonville, Va.	0.558	0.520	433	125	77.0	58.0	45.0	34.0
03489900	Big Moccasin Creek at Route 71 near Gate City, Va.	0.553	0.604	1,000	223	132	95.0	71.0	50.0
03490000	North Fork Holston River at Route 23 near Gate City, Va.	0.598	0.603	7,189	2,000	1,230	865	640	444
03490020	Cate Branch above Route 713 near Yuma, Va.	0.664	0.732	2.00	0.327	0.182	0.129	0.097	0.072
0352035545	North Fork Clinch River at Wittens Mills near Tazewell, Va.	0.319	0.334	35.0	16.2	12.1	9.96	8.39	7.02
03520370	Clinch River above Lincolnshire Branch at Tazewell, Va.	0.425	0.417	150	67.4	49.5	38.1	30.3	23.6
03520700	Indian Creek at Route 612 at Harman, Va.	0.980	0.931	259	42.1	21.9	13.7	8.60	5.25
03520967	Indian Creek along railroad near Cedar Bluff, Va.	0.579	0.634	262	59.4	35.0	26.0	18.6	12.0

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
03475602	Cedar Creek at Route 706 near Cedarville, Va.	12.7	9.31	6.84	5.13	4.24	3.13
03475627	Wolf Creek at Route 11 at Abingdon, Va.	40.3	27.7	19.6	14.2	12.1	9.38
03475630	Wolf Creek at Route 670 above wastewater outfall at Vance Mill near Abingdon, Va.	21.0	16.6	13.0	10.2	8.90	7.28
03475700	Spring Creek at Route 11 near Abingdon, Va.	1.90	1.55	1.25	1.01	0.886	0.746
034765085	Sinking Creek near Hilander Park, Va.	0.996	0.771	0.609	0.505	0.405	0.319
03477500	Beaver Creek below Beaver Creek Lake near Wallace, Va.	8.10	6.60	5.30	4.60	4.20	3.40
03478400	Beaver Creek at Route 1405 at (near) Bristol, Va.	21.0	17.0	14.0	12.0	10.0	8.20
03487720	North Fork Holston River at Nebo, Va.	18.8	14.9	11.8	9.19	7.92	6.29
03487800	Lick Creek above Route 42 near Chatham Hill, Va.	10.0	6.00	3.40	1.70	1.00	0.460
03488000	North Fork Holston River along Route 91 near Saltville, Va.	111	79.0	55.0	39.0	32.0	25.0
03488037	McHenry Creek at Route 91 at Plasterco, Va.	3.76	2.29	1.35	0.785	0.574	0.357
03488100	North Fork Holston River at Route 611 near Plasterco, Va.	70.0	54.0	40.0	33.7	26.0	21.0
03488445	Brumley Creek near Hansonville, Va.	3.26	2.12	1.10	0.390	0.230	0.120
03488450	Brumley Creek at Route 611 at Brumley Gap, Va.	12.0	7.70	4.90	2.10	1.10	0.381
03488500	North Fork Holston River at Route 19 at Holston, Va.	158	106	78.0	58.0	52.0	45.0
03488955	Smith Creek along Route 614 near Craigs Mill, Va.	3.05	2.69	2.26	1.75	1.42	0.779
03489500	North Fork Holston River at Route 615 at Mendota, Va.	282	204	142	94.0	73.0	50.0
03489800	Cove Creek at Route 58 near Shelleys, Va.	6.86	4.25	2.55	1.57	1.19	0.841
03489850	Cove Creek at Route 803 near Hilton, Va.	7.50	5.20	3.60	2.60	2.20	1.70
03489860	Hilton Creek at Hilton, Va.	0.445	0.246	0.133	0.068	0.045	0.022
03489870	Big Moccasin Creek at Route 612 at Collinwood, near Hansonville, Va.	25.0	19.0	13.0	9.40	7.70	0.000
03489900	Big Moccasin Creek at Route 71 near Gate City, Va.	34.0	25.0	19.0	14.0	12.0	8.00
03490000	North Fork Holston River at Route 23 near Gate City, Va.	312	225	162	112	90.0	68.0
03490020	Cate Branch above Route 713 near Yuma, Va.	0.052	0.038	0.026	0.016	0.010	0.004
0352035545	North Fork Clinch River at Wittens Mills near Tazewell, Va.	5.85	4.89	4.09	3.36	3.00	2.51
03520370	Clinch River above Lincolnshire Branch at Tazewell, Va.	18.4	14.5	11.3	8.88	7.72	6.29
03520700	Indian Creek at Route 612 at Harman, Va.	3.17	1.85	1.03	0.550	0.372	0.155
03520967	Indian Creek along railroad near Cedar Bluff, Va.	8.20	4.70	3.70	3.16	2.58	2.20

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
				Flow (ft ³ /s)					
03520985	Indian Creek at Route 1206 at Cedar Bluff, Va.	0.982	1.22	--	--	--	47.7	24.0	11.8
03520999	Indian Creek at mouth at Cedar Bluff, Va.	0.771	0.736	226	71.3	46.4	33.1	24.6	17.5
03521000	Clinch River at Route 631 at Cedar Bluff, Va.	0.538	0.540	1,442	395	250	181	138	114
03521500	Clinch River along Route 707 at Richlands, Va.	0.544	0.569	1,513	407	249	178	133	98.0
03521650	Town Hill Creek at Hillcreek Road at Doran, Va.	0.827	0.814	82.5	15.4	8.01	4.89	3.25	2.07
03521700	Mudlick Creek above Route 460 at Doran, Va.	1.01	1.04	215	23.5	12.0	7.80	5.47	3.90
03521950	Maiden Spring Creek at Route 16 near Thompson Valley, Va.	0.439	0.431	119	52.0	37.8	28.8	22.7	17.6
03521998	Indian Creek at Route 19 at Wardell, Va.	0.500	0.492	177	64.2	43.2	32.1	25.0	19.1
03522000	Little River at Route 19 at Wardell, Va.	0.447	0.485	913	331	246	186	128	98.0
03522500	Will Brooks Spring at Wardell, Va.	0.432	0.435	8.98	3.56	2.51	1.95	1.57	1.20
03522550	Flatrock Creek at Route 624 near Drill, Va.	0.628	0.618	22.1	6.18	3.75	2.58	1.89	1.34
03522595	Lewis Creek above wastewater outfall at Honaker, Va.	0.793	0.781	399	79.9	42.6	26.5	17.9	11.6
03522620	Lewis Creek above mouth near Honaker, Va.	0.799	0.763	199	60.3	38.6	27.2	20.0	14.1
03523000	Big Cedar (Cedar) Creek above Route 19 near Lebanon, Va.	0.566	0.633	718	158	90.0	62.0	42.0	28.0
03523050	Big Cedar Creek below Little Cedar Creek near Lebanon, Va.	0.425	0.439	270	100	68.7	52.7	42.0	33.0
03523500	Thompson Creek at Route 646 near Coulwood, Va.	0.541	0.599	125	28.4	18.0	12.0	9.20	6.60
03524000	Clinch River above Route 661 at Cleveland, Va.	0.587	0.578	5,127	1,560	979	690	516	375
03524003	Unnamed mine drain to Laurel Branch near Carrie, Va.	0.351	0.367	0.337	0.145	0.105	0.085	0.070	0.058
03524010	Dumps Creek at Route 600 near South Clinchfield, Va.	1.02	0.951	128	22.5	11.1	6.91	4.69	2.93
03524030	Chaney Creek at Route 615 near South Clinchfield, Va.	0.862	0.804	--	--	--	186	134	90.2
03524045	Unnamed mine drain to Right Fork near Dante, Va.	0.289	0.282	0.924	0.489	0.389	0.333	0.290	0.249
03524048	Lick Creek at Hamlin, Va.	0.681	0.671	234	58.8	34.2	22.8	16.3	11.3
03524050	Lick Creek at Route 628 at St. Paul, Va.	0.911	0.905	449	95.7	55.8	37.0	25.1	17.0
03524300	Guest River at Route 625 near Stephens, Va.	0.689	0.685	138	33.0	20.1	14.3	10.3	7.38
03524305	Unnamed mine drain to unnamed tributary to Sepulcher Creek near Stephens, Va.	0.179	0.222	0.462	0.265	0.216	0.188	0.166	0.146
03524308	Rocky Fork at Route 625 near Stephens, Va.	0.427	0.417	14.4	5.64	4.03	3.20	2.61	2.08
03524346	Bear Creek above Yellow Creek near Wise, Va.	0.374	0.368	24.5	11.5	8.55	6.84	5.68	4.64
03524348	Yellow Creek along Route 681 near Wise, Va.	0.662	0.641	31.0	8.51	5.34	3.98	2.95	2.17

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
03520985	Indian Creek at Route 1206 at Cedar Bluff, Va.	6.47	3.69	2.17	1.22	0.811	0.365
03520999	Indian Creek at mouth at Cedar Bluff, Va.	11.5	7.72	4.80	2.97	1.93	0.507
03521000	Clinch River at Route 631 at Cedar Bluff, Va.	89.4	67.0	53.0	33.0	25.6	17.3
03521500	Clinch River along Route 707 at Richlands, Va.	72.0	53.0	39.0	28.0	23.0	17.0
03521650	Town Hill Creek at Hillcreek Road at Doran, Va.	1.30	0.825	0.507	0.308	0.231	0.149
03521700	Mudlick Creek above Route 460 at Doran, Va.	2.42	1.51	0.871	0.385	0.180	0.023
03521950	Maiden Spring Creek at Route 16 near Thompson Valley, Va.	13.6	10.6	8.23	6.40	5.53	4.48
03521998	Indian Creek at Route 19 at Wardell, Va.	14.4	10.9	8.14	6.03	5.06	3.89
03522000	Little River at Route 19 at Wardell, Va.	79.0	59.0	45.0	35.0	30.0	20.0
03522500	Will Brooks Spring at Wardell, Va.	0.932	0.736	0.581	0.445	0.380	0.310
03522550	Flatrock Creek at Route 624 near Drill, Va.	0.946	0.668	0.461	0.316	0.254	0.183
03522595	Lewis Creek above wastewater outfall at Honaker, Va.	7.47	4.81	3.02	1.87	1.42	0.935
03522620	Lewis Creek above mouth near Honaker, Va.	9.09	6.02	3.68	2.23	1.43	0.358
03523000	Big Cedar (Cedar) Creek above Route 19 near Lebanon, Va.	19.0	14.0	11.0	7.60	6.70	5.76
03523050	Big Cedar Creek below Little Cedar Creek near Lebanon, Va.	26.2	20.6	16.1	12.4	10.7	8.73
03523500	Thompson Creek at Route 646 near Coulwood, Va.	4.50	3.30	2.50	1.90	1.60	1.00
03524000	Clinch River above Route 661 at Cleveland, Va.	270	195	138	97.0	79.0	58.0
03524003	Unnamed mine drain to Laurel Branch near Carrie, Va.	0.047	0.039	0.032	0.026	0.023	0.019
03524010	Dumps Creek at Route 600 near South Clinchfield, Va.	1.76	0.961	0.535	0.280	0.179	0.060
03524030	Chaney Creek at Route 615 near South Clinchfield, Va.	58.7	35.1	21.4	12.4	8.48	3.39
03524045	Unnamed mine drain to Right Fork near Dante, Va.	0.211	0.180	0.151	0.128	0.116	0.103
03524048	Lick Creek at Hamlin, Va.	7.69	5.27	3.53	2.34	1.85	1.29
03524050	Lick Creek at Route 628 at St. Paul, Va.	10.6	6.59	3.95	2.08	1.04	0.237
03524300	Guest River at Route 625 near Stephens, Va.	5.04	3.51	2.37	1.51	1.07	0.520
03524305	Unnamed mine drain to unnamed tributary to Sepulcher Creek near Stephens, Va.	0.131	0.118	0.107	0.097	0.090	0.078
03524308	Rocky Fork at Route 625 near Stephens, Va.	1.64	1.29	0.995	0.780	0.678	0.569
03524346	Bear Creek above Yellow Creek near Wise, Va.	3.76	3.06	2.45	1.96	1.72	1.41
03524348	Yellow Creek along Route 681 near Wise, Va.	1.47	0.988	0.689	0.474	0.320	0.182

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

				Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
Station number	Station description	Base-flow contribution index	Lane's variability index	Flow (ft³/s)					
03524445	Toms Creek above Little Toms Creek at Coeburn, Va.	0.569	0.554	82.3	26.8	17.3	12.6	9.60	7.15
03524449	Little Toms Creek at mouth at Coeburn, Va.	0.987	0.955	116	16.8	8.41	5.43	3.47	2.20
03524500	Guest River at Route 72 at Coeburn, Va.	0.872	0.812	1,305	315	186	132	94.0	67.0
03524520	Crab Orchard Branch near Coeburn, Va.	1.76	1.72	550	11.4	2.84	1.10	0.475	0.187
03524550	Guest River near Miller Yard, Va.	0.845	0.692	1,462	434	300	217	150	105
03524560	Davy Land Branch at Forest Road 700 near Dungannon, Va.	1.01	1.00	22.2	4.00	2.20	1.40	0.910	0.589
03524570	Joel Branch at Forest Road 700 near Dungannon, Va.	1.12	1.06	29.5	3.72	1.77	1.03	0.610	0.348
03524580	Corder Branch at Forest Road 700 near Dungannon, Va.	1.46	1.45	140	11.7	4.93	2.55	1.37	0.731
03524590	Ramey Branch at Route 664 near Coeburn, Va.	1.30	1.29	53.9	5.93	2.74	1.53	0.877	0.501
03524600	Laurel Branch at Forest Road 701 near Dungannon, Va.	1.34	1.33	58.4	6.01	2.72	1.49	0.841	0.472
03524860	Coalpit Branch above Route 657 near Ka, Va.	0.670	0.793	35.3	4.47	2.19	1.35	0.864	0.573
03524890	Devil Fork near Route 619 above mouth near Ka, Va.	1.23	1.17	483	49.1	21.6	11.9	6.65	3.57
03524900	Stony Creek at Route 619 at Ka, Va.	0.753	0.728	310	119	70.0	45.0	27.0	17.0
03525000	Stony Creek above Route 66 at Fort Blackmore, Va.	1.08	0.864	855	207	119	86.9	58.0	41.0
03525050	Cove Creek along Route 722 near Stanleytown, Va.	1.56	1.49	998	55.0	19.4	9.14	4.37	1.99
03525060	Stinking Creek at Route 722 near Stanleytown, Va.	1.33	1.26	112	9.50	3.93	2.07	1.10	0.565
03525070	Dry Creek near Route 602 near Stanleytown, Va.	1.15	1.12	54.7	5.69	2.36	1.24	0.717	0.396
03525090	Cove Creek above Duncan Branch near Stanleytown, Va.	0.841	0.835	280	67.3	40.9	28.0	19.6	13.6
03525150	Stock Creek off Forest Road 239 near Mabe, Va.	1.24	1.18	226	22.6	9.90	5.44	3.02	1.62
03525170	Shupe Branch at Forest Road 239 near Mabe, Va.	1.13	1.10	114	9.50	3.90	2.12	1.24	0.682
03525190	Laurel Fork at Route 653 at Mabe, Va.	0.886	0.927	177	20.9	9.37	5.42	3.37	2.05
03525210	Dry Fork at Route 653 near Mabe, Va.	1.40	1.46	--	39.9	11.3	4.76	2.25	1.03
03525300	Stock Creek at Route 650 near Natural Tunnel, Va.	1.07	1.04	851	104	46.2	25.4	15.3	8.82
03525400	Stock Creek above Little Stock Creek at Clinchport, Va.	0.757	0.736	721	162	90.9	59.4	41.4	28.0
03525500	Clinch River at Clinchport, Va.	0.606	0.526	10,337	4,150	2,880	2,050	1,660	1,230
03526000	Copper Creek at Route 619 near Gate City, Va.	0.428	0.513	1,090	300	188	137	103	75.0
03527000	Clinch River below Route 58 at Speers Ferry, Va.	0.656	0.608	11,676	3,540	2,200	1,580	1,180	860
03527480	North Fork Clinch River at Route 23 near Duffield, Va.	0.619	0.621	221	57.0	33.4	23.0	17.2	12.6

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
		Flow (ft ³ /s)					
03524445	Toms Creek above Little Toms Creek at Coeburn, Va.	5.18	3.79	2.75	1.93	1.56	1.07
03524449	Little Toms Creek at mouth at Coeburn, Va.	1.23	0.679	0.398	0.227	0.127	0.055
03524500	Guest River at Route 72 at Coeburn, Va.	44.0	26.0	17.0	8.99	4.20	1.90
03524520	Crab Orchard Branch near Coeburn, Va.	0.069	0.026	0.009	0.003	0.002	0.001
03524550	Guest River near Miller Yard, Va.	67.0	42.0	27.0	15.0	12.0	7.86
03524560	Davy Land Branch at Forest Road 700 near Dungannon, Va.	0.352	0.207	0.117	0.058	0.027	0.005
03524570	Joel Branch at Forest Road 700 near Dungannon, Va.	0.196	0.106	0.055	0.027	0.017	0.006
03524580	Corder Branch at Forest Road 700 near Dungannon, Va.	0.346	0.161	0.071	0.025	0.008	0.001
03524590	Ramey Branch at Route 664 near Coeburn, Va.	0.258	0.130	0.063	0.025	0.009	0.001
03524600	Laurel Branch at Forest Road 701 near Dungannon, Va.	0.238	0.118	0.055	0.022	0.008	0.001
03524860	Coalpit Branch above Route 657 near Ka, Va.	0.391	0.264	0.182	0.123	0.093	0.060
03524890	Devil Fork near Route 619 above mouth near Ka, Va.	1.89	0.963	0.462	0.209	0.128	0.042
03524900	Stony Creek at Route 619 at Ka, Va.	11.0	7.00	4.60	3.00	2.30	1.48
03525000	Stony Creek above Route 66 at Fort Blackmore, Va.	28.0	14.0	7.60	3.40	2.10	1.10
03525050	Cove Creek along Route 722 near Stanleytown, Va.	0.889	0.378	0.149	0.055	0.029	0.007
03525060	Stinking Creek at Route 722 near Stanleytown, Va.	0.285	0.138	0.062	0.027	0.016	0.005
03525070	Dry Creek near Route 602 near Stanleytown, Va.	0.206	0.110	0.057	0.028	0.018	0.009
03525090	Cove Creek above Duncan Branch near Stanleytown, Va.	8.88	5.71	3.56	1.97	1.04	0.266
03525150	Stock Creek off Forest Road 239 near Mabe, Va.	0.854	0.433	0.206	0.093	0.057	0.019
03525170	Shupe Branch at Forest Road 239 near Mabe, Va.	0.361	0.191	0.097	0.051	0.035	0.022
03525190	Laurel Fork at Route 653 at Mabe, Va.	1.24	0.754	0.457	0.267	0.194	0.118
03525210	Dry Fork at Route 653 near Mabe, Va.	0.464	0.211	0.096	0.041	0.025	0.011
03525300	Stock Creek at Route 650 near Natural Tunnel, Va.	4.82	2.70	1.47	0.759	0.509	0.252
03525400	Stock Creek above Little Stock Creek at Clinchport, Va.	18.2	12.1	7.85	4.90	3.69	2.24
03525500	Clinch River at Clinchport, Va.	835	670	455	305	250	200
03526000	Copper Creek at Route 619 near Gate City, Va.	56.0	43.0	34.0	28.0	24.0	20.0
03527000	Clinch River below Route 58 at Speers Ferry, Va.	605	412	284	190	148	106
03527480	North Fork Clinch River at Route 23 near Duffield, Va.	8.76	6.34	4.45	3.04	2.18	1.77

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

Station number	Station description	Base-flow contribution index	Lane's variability index	Quantile					
				99	90	80	70	60	50
				Percent of time that flow is exceeded					
				1	10	20	30	40	50
Flow (ft³/s)									
03527500	North Fork Clinch River at Route 58 at Duffield, Va.	0.721	0.787	410	87.0	52.0	33.0	20.0	10.0
03529173	Powell River below Benges Branch near Norton, Va.	0.682	0.663	248	64.6	38.3	26.1	18.9	13.3
03529310	Roaring Fork above Route 603 at Dunbar, Va.	0.595	0.576	102	31.9	20.9	16.1	12.3	9.34
03529404	Unnamed mine drain to Mud Lick Creek at Roda, Va.	0.269	0.278	0.096	0.051	0.040	0.034	0.030	0.025
03529420	Callahan Creek at interstate railroad discharge at Andover, Va.	0.536	0.635	432	82.4	46.5	31.7	22.1	15.9
03529500	Powell River at Route 23 at Big Stone Gap, Va.	0.686	0.664	1,608	420	259	191	140	102
03530000	South Fork Powell River at Route 23 at Big Stone Gap, Va.	0.639	0.605	576	146	97.0	69.2	50.0	37.0
03530500	North Fork Powell River at Route 621 at Pennington Gap, Va.	0.892	0.831	1,440	315	170	112	80.0	53.0
03530550	North Fork Powell River above wastewater outfall at Pennington Gap, Va.	0.840	0.816	2,020	387	203	127	85.0	55.1
03531000	Powell River at Route 421 near Pennington Gap, Va.	0.824	0.724	5,670	1,130	675	480	355	260
03531500	Powell River at Route 70 near Jonesville, Va.	0.671	0.652	4,497	1,200	718	493	358	253

Table 3. Flow-duration statistics and flow variability indices for selected streamgaging stations. – Continued[ft, feet; ft³/s, cubic feet per second; --, not determined]

		Quantile					
		40	30	20	10	5	1
		Percent of time that flow is exceeded					
		60	70	80	90	95	99
Station number	Station description	Flow (ft³/s)					
03527500	North Fork Clinch River at Route 58 at Duffield, Va.	6.00	4.20	2.90	1.90	1.60	1.20
03529173	Powell River below Benges Branch near Norton, Va.	9.01	6.21	4.22	2.76	2.13	1.36
03529310	Roaring Fork above Route 603 at Dunbar, Va.	6.57	4.59	3.32	2.37	1.67	1.00
03529404	Unnamed mine drain to Mud Lick Creek at Roda, Va.	0.022	0.019	0.016	0.014	0.012	0.011
03529420	Callahan Creek at interstate railroad discharge at Andover, Va.	11.7	8.54	6.33	4.62	3.70	2.61
03529500	Powell River at Route 23 at Big Stone Gap, Va.	68.0	45.0	31.0	21.0	14.0	7.80
03530000	South Fork Powell River at Route 23 at Big Stone Gap, Va.	25.0	17.0	12.0	8.50	7.00	5.40
03530500	North Fork Powell River at Route 621 at Pennington Gap, Va.	34.0	20.0	12.0	6.80	4.60	1.78
03530550	North Fork Powell River above wastewater outfall at Pennington Gap, Va.	34.2	21.6	13.4	7.97	5.82	3.35
03531000	Powell River at Route 421 near Pennington Gap, Va.	193	123	72.6	39.0	27.0	18.0
03531500	Powell River at Route 70 near Jonesville, Va.	173	120	82.0	54.0	42.0	27.0