

Table 11. Low-flow characteristics for selected short-term, continuous-record streamgaging stations, transferred using the MOVE.1 method.—Continued

[discharge, measured streamflow in cubic feet per second (ft³/s); mi, miles; --, not determined]

		Return period, in years														
		1.1	1.2	1.4	1.7	2	2.5	3.3	5	10	20	50	100	200		
		Non-exceedance probability														
		0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.05	0.02	0.01	0.005		
Partial-record streamgaging station		Index-record streamgaging station														
Station number	Station description	Station number	Station description												1-day averaged, adjusted low flow (ft ³ /s)	
03488500	North Fork Holston River at Route 19 at Holston, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	84.3	82.2	79.2	75.3	70.6	65.0	57.9	48.8	35.6	25.5	16.0	11.0	7.50
03489850	Cove Creek at Route 803 near Hilton, Va.	03526000	Copper Creek at Route 619 near Gate City, Va.	2.42	2.06	1.82	1.63	1.46	1.30	1.14	0.973	0.766	0.621	0.481	0.402	0.340
03489870	Big Moccasin Creek at Route 612 at Collinwood, near Hansonville, Va.	03526000	Copper Creek at Route 619 near Gate City, Va.	10.3	9.03	8.16	7.45	6.80	6.18	5.56	4.87	4.00	3.36	2.73	2.36	2.05
03489900	Big Moccasin Creek at Route 71 near Gate City, Va.	03526000	Copper Creek at Route 619 near Gate City, Va.	20.3	18.0	16.4	15.0	13.8	12.7	11.5	10.2	8.48	7.22	5.96	5.20	4.57
03520967	Indian Creek along railroad near Cedar Bluff, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	2.00	1.54	1.27	1.06	0.884	0.733	0.595	0.460	0.313	0.223	0.149	0.112	0.085
03521000	Clinch River at Route 631 at Cedar Bluff, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	27.3	22.5	19.7	17.6	15.9	14.4	13.0	11.5	9.83	8.67	7.56	6.92	6.40
03522000	Little River at Route 19 at Wardell, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	34.6	29.7	26.7	24.4	22.5	20.8	19.2	17.4	15.4	13.9	12.5	11.6	10.9
03523000	Big Cedar (Cedar) Creek above Route 19 near Lebanon, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	11.1	9.21	8.10	7.28	6.60	6.00	5.43	4.85	4.16	3.69	3.24	2.97	2.76
03523500	Thompson Creek at Route 646 near Coulwood, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	2.17	1.77	1.54	1.37	1.23	1.11	0.996	0.880	0.745	0.653	0.566	0.516	0.476
03524550	Guest River near Miller Yard, Va.	03208950	Cranes Nest River below railroad bridge near Clintwood, Va.	23.7	16.7	12.8	10.1	7.94	6.22	4.71	3.37	2.05	1.33	0.789	0.554	0.385
03524900	Stony Creek at Route 619 at Ka, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	5.22	3.37	2.35	1.68	1.20	0.835	0.550	0.324	0.144	0.069	0.028	0.015	0.008
03525000	Stony Creek above Route 66 at Fort Blackmore, Va.	03529500	Powell River at Route 23 at Big Stone Gap, Va.	4.60	3.36	2.64	2.13	1.73	1.40	1.10	0.823	0.541	0.374	0.243	0.180	0.135
03525500	Clinch River at Clinchport, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	191	186	178	169	157	143	126	104	73.7	50.9	30.3	20.1	13.1
03527500	North Fork Clinch River at Route 58 at Duffield, Va.	03531500	Powell River at Route 70 near Jonesville, Va.	4.32	3.52	3.04	2.68	2.38	2.12	1.87	1.61	1.32	1.11	0.921	0.812	0.724

Table 11. Low-flow characteristics for selected short-term, continuous-record streamgaging stations, transferred using the MOVE.1 method.—Continued

[discharge, measured stream flow in cubic feet per second (ft³/s); mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Return period, in years													
				1.1	1.2	1.4	1.7	2	2.5	3.3	5	10	20	50	100	200	
				Non-exceedance probability													
				0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.05	0.02	0.01	0.005	
Station number	Station description	Station number	Station description	4-day averaged, adjusted low flow (ft ³ /s)													
01614830	Opequon Creek at Route 11 near Stephens City, Va.	01632900	Smith Creek at Route 616 near New Market, Va.	3.66	2.98	2.57	2.25	1.99	1.76	1.54	1.31	1.05	0.871	0.703	0.608	0.531	
01616100	Dry Marsh Run at Route 645 near Berryville, Va.	01634000	North Fork Shenandoah River at Route 55 near Strasburg, Va.	3.27	2.73	2.40	2.16	1.95	1.76	1.58	1.40	1.18	1.03	0.878	0.792	0.722	
01621000	Dry River at Route 847 at Rawley Springs, Va.	01632000	North Fork Shenandoah River above Route 259 at Cootes Store, Va.	4.35	2.53	1.68	1.18	0.837	0.587	0.402	0.253	0.131	0.074	0.038	0.024	0.015	
01624000	Bell Creek at Route 732 at Franks Mill near Staunton, Va.	01625000	Middle River at Route 769 near Grottoes, Va.	0.279	0.216	0.176	0.147	0.122	0.100	0.081	0.061	0.041	0.028	0.018	0.013	0.010	
01625900	Back Creek at Route 624 at Lyndhurst, Va.	01655000	Rapidan River below Route 29 near Ruckersville, Va.	3.58	1.85	1.09	0.673	0.415	0.248	0.138	0.066	0.022	0.008	0.002	0.001	0.000	
01628150	Deep Run 0.5 miles above Route 708 near Grottoes, Va.	01628060	White Oak Run 0.15 miles above mouth near Grottoes, Va.	0.044	0.032	0.032	--	--	--	--	--	--	--	--	--	--	
01630700	Gooney Run at Route 622 near Glen Echo, Va.	01663500	Hazel River at Route 229 at Rixeyville, Va.	5.91	3.70	2.56	1.84	1.33	0.943	0.642	0.400	0.198	0.106	0.051	0.030	0.018	
01633500	Stony Creek along Route 675 at Columbia Furnace, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	10.5	8.55	7.37	6.49	5.77	5.12	4.51	3.89	3.16	2.66	2.18	1.92	1.70	
01635090	Cedar Creek above Route 11 near Middletown, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	26.7	22.7	20.1	18.2	16.5	15.0	13.6	12.0	10.2	8.88	7.58	6.83	6.22	
01636242	Crooked Run below Route 340 at Riverton, Va.	01613900	Hogue Creek at Route 614 near Hayfield, Va.	5.09	4.02	3.36	2.87	2.48	2.12	1.77	1.45	1.06	0.843	0.618	0.486	0.418	
0163626650	Manassas Run at Route 645 near Front Royal, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	2.38	1.46	1.01	0.730	0.535	0.389	0.274	0.180	0.098	0.059	0.032	0.021	0.014	
01636316	Spout Run at Route 621 near Millwood, Va.	01634000	North Fork Shenandoah River at Route 55 near Strasburg, Va.	9.73	8.59	7.85	7.28	6.79	6.33	5.88	5.39	4.79	4.34	3.90	3.63	3.40	
01636330	Horsepen Springs near Briggs, Va.	01632900	Smith Creek at Route 616 near New Market, Va.	0.280	0.238	0.212	0.191	0.174	0.157	0.142	0.125	0.105	0.090	0.076	0.068	0.061	
01636690	Piney Run at Route 671 near Lovettsville, Va.	01664000	Rappahannock River at Route 29 (Alternate) at Remington, Va.	3.11	1.97	1.40	1.03	0.770	0.570	0.409	0.275	0.154	0.094	0.052	0.035	0.024	
01638350	South Fork Catactin Creek at Route 698 near Waterford, Va.	01638480	Catocin Creek at Route 663 at Taylorstown, Va.	6.72	4.54	3.30	2.45	1.81	1.31	0.901	0.565	0.272	0.141	0.066	0.036	0.021	
01638420	North Fork Catactin Creek at Route 681 bridge near Waterford, Va.	01638480	Catocin Creek at Route 663 at Taylorstown, Va.	3.61	2.23	1.51	1.04	0.720	0.483	0.306	0.172	0.070	0.031	0.012	0.006	0.003	
01643590	Limestone Branch at Route 15 near Leesburg, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	1.27	1.02	0.876	0.766	0.676	0.596	0.520	0.445	0.357	0.298	0.242	0.211	0.186	
01643805	North Fork Goose Creek at Route 729 near Lincoln, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	7.42	4.81	3.48	2.62	1.99	1.51	1.11	0.767	0.450	0.286	0.169	0.118	0.083	
01643880	Beaverdam Creek at Route 734 near Mountville, Va.	01643700	Goose Creek at Route 611 near Middleburg, Va.	6.59	3.24	1.81	1.04	0.582	0.305	0.137	0.042	0.001	--	--	--	--	
01644280	Broad Run at Route 7 near Leesburg, Va.	01646000	Difficult Run below Route 193 near Great Falls, Va.	19.0	15.8	13.2	10.8	8.73	6.78	4.95	3.21	1.56	0.767	0.298	0.149	0.073	
01645704	Difficult Run above Fox Lake near Fairfax, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	2.91	2.32	1.89	1.54	1.23	0.954	0.699	0.452	0.202	0.061	--	--	--	
01645784	Snakeden Branch at Soapstone Drive at Reston, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	0.379	0.297	0.238	0.190	0.149	0.113	0.081	0.050	0.021	0.006	--	--	--	
01654500	Long Branch (Little Run) at Route 620 near Annandale, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	1.20	0.910	0.710	0.553	0.422	0.311	0.213	0.126	0.048	0.011	--	--	--	
01655000	Accotink Creek at Army Engineer Road near Accotink Station, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	9.12	6.90	5.37	4.16	3.16	2.32	1.58	0.923	0.344	0.078	--	--	--	
01656102	Goslin Run at Marine Road near Aden, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	0.166	0.076	0.042	0.022	0.011	0.004	0.001	--	--	--	--	--	--	
01656120	Cedar Run at Route 646 near Aden, Va.	01656100	Cedar Run at Route 611 near Aden, Va.	10.3	6.57	4.78	3.65	2.85	2.21	1.71	1.26	0.834	0.597	0.401	0.316	0.247	
01656903	Flatlick Branch above Frog Branch at Chantilly, Va.	01659000	North Branch Chopawamsic Creek above Marine Road 1 near Independent Hill, Va.	0.555	0.374	0.250	0.176	0.105	0.054	0.019	--	--	--	--	--	--	
01657020	Bull Run at Route 28 near Manassas Park, Va.	01656960	Cub Run at Route 658 near Bull Run, Va.	32.5	24.9	20.1	16.5	13.6	11.1	8.87	6.61	4.28	3.02	1.93	1.34	0.858	
01657655	Hoos Run above Route 641 near Occoquan, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	0.305	0.168	0.106	0.065	0.038	0.017	0.004	--	--	--	--	--	--	
01657850	Neabsco Creek at Delaney Road (Route 610) at Dale City, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	1.65	1.21	0.920	0.694	0.512	0.363	0.238	0.131	0.044	0.009	--	--	--	
01657895	Powells Creek at Route 643 near Dale City, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	0.499	0.267	0.166	0.100	0.056	0.025	0.005	--	--	--	--	--	--	
01658480	Quantico Creek at pyrite mine road near Dumfries, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	0.755	0.492	0.355	0.251	0.169	0.097	0.032	--	--	--	--	--	--	
01658550	South Fork Quantico Creek at Camp 5 Lake, near Joplin, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	1.13	0.760	0.561	0.406	0.283	0.168	0.060	--	--	--	--	--	--	
01658650	South Fork Quantico Creek above mouth near Dumfries, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	2.06	1.39	1.03	0.745	0.519	0.310	0.110	--	--	--	--	--	--	
01658698	Little Creek at Mocking Bird Road at Triangle, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	0.315	0.218	0.165	0.122	0.087	0.054	0.021	--	--	--	--	--	--	
01658705	Little Creek at Geiger Road at Quantico, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	0.763	0.560	0.442	0.344	0.260	0.173	0.077	--	--	--	--	--	--	
01660100	Chopawamsic Creek at Russell Road near Joplin, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	0.688	0.319	0.177	0.095	0.047	0.017	0.002	--	--	--	--	--	--	
01660380	Cannon Creek above mouth near Garrisonville, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	1.31	0.797	0.545	0.364	0.231	0.120	0.033	--	--	--	--	--	--	
01661900	Carter Run off Route 691 near Marshall, Va.	01656500	Broad Run at Route 29 at Buckland, Va.	3.74	2.64	2.01	1.57	1.24	0.964	0.727	0.515	0.309	0.196	0.113	0.079	0.056	
01662156	South Fork Brokenback Run near Nethers, Va.	01665500	Rapidan River below Route 29 near Ruckersville, Va.	0.269	0.199	0.156	0.125	0.100	0.079	0.060	0.043	0.026	0.016	0.009	0.006	0.004	
01667000	Rapidan River below Route 615 at Rapidan, Va.	01668000	Rappahannock River below Motts Run near Fredericksburg, Va.	126	102	84.5	70.2	57.9	46.6	36.1	25.8	15.1	9.11	4.79	2.98	1.87	
01667870	Mountain Run at Route 611 near Burr Hill, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	4.64	2.86	2.00	1.45	1.07	0.780	0.559	0.366	0.192	0.103	--	--	--	
01670180	Pamunkey Creek at Route 669 at Lahore, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	9.46	6.40	4.79	3.71	2.90	2.24	1.71	1.22	0.722	0.437	--	--	--	
01671025	North Anna River above Little River near Doswell, Va.	01672500	South Anna River at Route 54 near Ashland, Va.	79.1	61.2	50.0	41.6	34.6	28.6	23.0	17.6	11.8	8.26	5.38	3.98	2.97	
01672000	South Anna River at Route 617 at Vontay, Va.	02040000	Appomattox River at railroad bridge at Mattoax, Va.	71.7	58.6	48.9	40.8	33.6	27.1	20.9	14.8	8.51	5.02	2.56	1.55	0.942	

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[discharge, measured stream flow in cubic feet per second (ft³/s); mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Return period, in years												
				1.1	1.2	1.4	1.7	2	2.5	3.3	5	10	20	50	100	200
				Non-exceedance probability												
				0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.05	0.02	0.01	0.005
Station number	Station description	Station number	Station description	4-day averaged, adjusted low flow (ft ³ /s)												
03488450	Brumley Creek at Route 611 at Brumley Gap, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	3.57	2.62	2.11	1.77	1.51	1.30	1.10	0.922	0.726	0.602	0.493	0.435	0.389
03488500	North Fork Holston River at Route 19 at Holston, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	100	85.0	76.0	69.3	63.8	59.0	54.5	49.8	44.3	40.6	37.0	34.9	33.2
03489850	Cove Creek at Route 803 near Hilton, Va.	03526000	Copper Creek at Route 619 near Gate City, Va.	2.55	2.09	1.82	1.62	1.46	1.31	1.18	1.04	0.879	0.770	0.666	0.607	0.559
03489870	Big Moccasin Creek at Route 612 at Collinwood, near Hansonville, Va.	03526000	Copper Creek at Route 619 near Gate City, Va.	10.8	9.13	8.14	7.40	6.78	6.22	5.69	5.14	4.48	4.02	3.57	3.30	3.09
03489900	Big Moccasin Creek at Route 71 near Gate City, Va.	03526000	Copper Creek at Route 619 near Gate City, Va.	21.1	18.2	16.3	14.9	13.8	12.7	11.7	10.7	9.41	8.51	7.62	7.10	6.67
03520967	Indian Creek along railroad near Cedar Bluff, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	2.14	1.68	1.39	1.17	0.982	0.821	0.671	0.523	0.362	0.261	0.176	0.134	0.103
03521000	Clinch River at Route 631 at Cedar Bluff, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	28.7	23.7	20.8	18.7	16.9	15.4	13.9	12.5	10.8	9.58	8.47	7.84	7.31
03522000	Little River at Route 19 at Wardell, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	36.1	31.0	27.9	25.6	23.7	21.9	20.3	18.6	16.5	15.1	13.7	12.8	12.1
03523000	Big Cedar (Cedar) Creek above Route 19 near Lebanon, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	11.6	9.68	8.54	7.69	7.00	6.39	5.81	5.22	4.54	4.06	3.61	3.35	3.14
03523500	Thompson Creek at Route 646 near Coulwood, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	2.29	1.87	1.63	1.46	1.31	1.19	1.07	0.955	0.819	0.726	0.638	0.588	0.547
03524550	Guest River near Miller Yard, Va.	03208950	Cranes Nest River below railroad bridge near Clintwood, Va.	24.6	17.9	14.1	11.3	9.18	7.39	5.79	4.31	2.79	1.91	1.22	0.890	0.659
03524900	Stony Creek at Route 619 at Ka, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	5.71	3.68	2.59	1.86	1.34	0.940	0.628	0.377	0.174	0.087	0.037	0.020	0.011
03525000	Stony Creek above Route 66 at Fort Blackmore, Va.	03529500	Powell River at Route 23 at Big Stone Gap, Va.	5.04	3.70	2.92	2.36	1.92	1.55	1.22	0.914	0.597	0.413	0.266	0.196	0.147
03525500	Clinch River at Clinchport, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	232	193	170	154	141	129	118	107	93.8	85.0	76.8	72.0	68.1
03527500	North Fork Clinch River at Route 58 at Duffield, Va.	03531500	Powell River at Route 70 near Jonesville, Va.	4.46	3.66	3.17	2.80	2.49	2.22	1.96	1.69	1.38	1.16	0.960	0.844	0.751

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Partial-record streamgaging station	Index-record streamgaging station	Return period, in years														
		1.1	1.2	1.4	1.7	2	2.5	3.3	5	10	20	50	100	200		
		Non-exceedance probability														
Station number	Station description	Station number	Station description	7-day averaged, adjusted low flow (ft ³ /s)												
				0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.05	0.02	0.01	0.005
01614830	Opequon Creek at Route 11 near Stephens City, Va.	01632900	Smith Creek at Route 616 near New Market, Va.	3.75	3.05	2.62	2.30	2.03	1.80	1.58	1.35	1.08	0.902	0.734	0.638	0.561
01616100	Dry Marsh Run at Route 645 near Berryville, Va.	01634000	North Fork Shenandoah River at Route 55 near Strasburg, Va.	3.38	2.82	2.48	2.22	2.01	1.82	1.64	1.45	1.23	1.08	0.933	0.847	0.777
01621000	Dry River at Route 847 at Rawley Springs, Va.	01632000	North Fork Shenandoah River above Route 259 at Cootes Store, Va.	4.80	2.77	1.84	1.29	0.912	0.642	0.440	0.278	0.145	0.082	0.044	0.027	0.018
01624000	Bell Creek at Route 732 at Franks Mill near Staunton, Va.	01625000	Middle River at Route 769 near Grottoes, Va.	0.294	0.227	0.186	0.154	0.129	0.106	0.086	0.065	0.044	0.031	0.020	0.015	0.011
01625900	Back Creek at Route 624 at Lyndhurst, Va.	01665500	Rapidan River below Route 29 near Ruckersville, Va.	4.12	2.10	1.23	0.761	0.472	0.285	0.161	0.080	0.028	0.011	0.004	0.002	0.001
01628150	Deep Run 0.5 miles above Route 708 near Grottoes, Va.	01628060	White Oak Run 0.15 miles above mouth near Grottoes, Va.	0.055	0.032	0.018	--	--	--	--	--	--	--	--	--	--
01630700	Gooney Run at Route 622 near Glen Echo, Va.	01663500	Hazel River at Route 229 at Rixeyville, Va.	6.36	4.01	2.81	2.03	1.48	1.07	0.738	0.469	0.241	0.134	0.067	0.041	0.026
01633500	Stony Creek along Route 675 at Columbia Furnace, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	11.1	9.00	7.74	6.81	6.05	5.37	4.73	4.07	3.32	2.81	2.32	2.05	1.83
01635090	Cedar Creek above Route 11 near Middletown, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	27.9	23.6	20.9	18.9	17.2	15.6	14.1	12.5	10.6	9.28	7.97	7.21	6.58
01636242	Crooked Run below Route 340 at Riverton, Va.	01613900	Hogue Creek at Route 614 near Hayfield, Va.	5.32	4.15	3.49	3.01	2.59	2.26	1.95	1.63	1.27	1.03	0.811	0.715	0.618
0163626650	Manassas Run at Route 645 near Front Royal, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	2.66	1.62	1.12	0.807	0.591	0.430	0.304	0.200	0.111	0.067	0.037	0.025	0.017
01636316	Spout Run at Route 621 near Millwood, Va.	01634000	North Fork Shenandoah River at Route 55 near Strasburg, Va.	9.96	8.77	8.02	7.43	6.93	6.47	6.02	5.53	4.93	4.50	4.06	3.80	3.58
01636330	Horsepen Springs near Briggs, Va.	01632900	Smith Creek at Route 616 near New Market, Va.	0.285	0.242	0.215	0.194	0.176	0.160	0.144	0.127	0.107	0.093	0.079	0.071	0.064
01636690	Piney Run at Route 671 near Lovettsville, Va.	01664000	Rappahannock River at Route 29 (Alternate) at Remington, Va.	3.43	2.16	1.53	1.12	0.838	0.620	0.445	0.299	0.168	0.103	0.058	0.039	0.027
01638350	South Fork Catocin Creek at Route 698 near Waterford, Va.	01638480	Catocin Creek at Route 663 at Taylorstown, Va.	7.36	4.97	3.61	2.68	1.98	1.43	0.985	0.613	0.299	0.155	0.070	0.036	0.021
01638420	North Fork Catocin Creek at Route 681 bridge near Waterford, Va.	01638480	Catocin Creek at Route 663 at Taylorstown, Va.	4.03	2.49	1.68	1.16	0.802	0.538	0.341	0.190	0.079	0.035	0.013	0.006	0.003
01643590	Limestone Branch at Route 15 near Leesburg, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	1.35	1.08	0.922	0.805	0.710	0.626	0.547	0.468	0.377	0.315	0.258	0.226	0.201
01643805	North Fork Goose Creek at Route 729 near Lincoln, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	8.18	5.28	3.81	2.86	2.18	1.65	1.21	0.842	0.499	0.319	0.191	0.133	0.096
01643880	Beaverdam Creek at Route 734 near Mountville, Va.	01643700	Goose Creek at Route 611 near Middleburg, Va.	8.03	4.37	2.46	1.36	0.710	0.334	0.130	0.035	0.003	--	--	--	--
01644280	Broad Run at Route 7 near Millwood, Va.	01648000	Difficult Run below Route 193 near Great Falls, Va.	20.7	17.1	14.2	11.7	9.41	7.33	5.38	3.54	1.76	0.894	0.365	0.188	0.092
01645704	Difficult Run above Fox Lake near Fairfax, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	2.67	2.44	2.17	1.88	1.57	1.25	0.917	0.579	0.239	0.080	--	--	--
01645784	Snakeden Branch at Soapstone Drive at Reston, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	0.345	0.313	0.276	0.236	0.194	0.152	0.109	0.066	0.025	0.008	--	--	--
01654500	Long Branch (Little Run) at Route 620 near Annandale, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	1.08	0.967	0.841	0.704	0.567	0.430	0.296	0.169	0.058	0.015	--	--	--
01655000	Accotink Creek at Army Engineer Road near Accotink Station, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	8.20	7.34	6.37	5.32	4.27	3.22	2.21	1.25	0.422	0.109	--	--	--
01656102	Goslin Run at Marine Road near Aden, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	0.191	0.091	0.048	0.027	0.013	0.005	0.001	--	--	--	--	--	--
01656120	Cedar Run at Route 646 near Aden, Va.	01656100	Cedar Run at Route 611 near Aden, Va.	10.7	6.83	4.98	3.82	3.00	2.37	1.85	1.38	0.943	0.693	0.500	0.401	0.333
01656903	Flatlick Branch above Frog Branch at Chantilly, Va.	01659000	North Branch Chopawamsic Creek above Marine Road 1 near Independent Hill, Va.	0.779	0.505	0.342	0.220	0.133	0.066	0.019	--	--	--	--	--	--
01657020	Bull Run at Route 28 near Manassas Park, Va.	01656960	Cub Run at Route 658 near Bull Run, Va.	33.1	25.6	20.9	17.4	14.5	11.9	9.55	7.24	4.73	3.29	2.10	1.55	1.12
01657655	Hooes Run above Route 641 near Occoquan, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	0.339	0.193	0.118	0.077	0.043	0.022	0.008	--	--	--	--	--	--
01657850	Neabco Creek at Delaney Road (Route 610) at Dale City, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	1.47	1.30	1.11	0.911	0.715	0.523	0.344	0.184	0.055	0.012	--	--	--
01657895	Powells Creek at Route 643 near Dale City, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	0.557	0.309	0.185	0.118	0.065	0.032	0.011	--	--	--	--	--	--
01658480	Quantico Creek at pyrite mine road near Dumfries, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	0.814	0.544	0.383	0.281	0.186	0.116	0.055	--	--	--	--	--	--
01658550	South Fork Quantico Creek at Camp 5 Lake, near Joplin, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	1.21	0.834	0.602	0.452	0.309	0.199	0.100	--	--	--	--	--	--
01658650	South Fork Quantico Creek above mouth near Dumfries, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	2.21	1.52	1.10	0.829	0.566	0.366	0.185	--	--	--	--	--	--
01658698	Little Creek at Mocking Bird Road at Triangle, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	0.337	0.238	0.176	0.135	0.095	0.063	0.033	--	--	--	--	--	--
01658705	Little Creek at Geiger Road at Quantico, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	0.806	0.603	0.468	0.374	0.278	0.197	0.116	--	--	--	--	--	--
01660100	Chopawamsic Creek at Russell Road near Joplin, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	0.788	0.382	0.203	0.117	0.056	0.024	0.006	--	--	--	--	--	--
01660380	Cannon Creek above mouth near Garrisonville, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	1.43	0.897	0.596	0.416	0.258	0.148	0.063	--	--	--	--	--	--
01661900	Carter Run off Route 691 near Marshall, Va.	01658500	Broad Run at Route 29 at Buckland, Va.	3.93	2.77	2.12	1.67	1.32	1.03	0.787	0.562	0.345	0.224	0.137	0.094	0.068
01662156	South Fork Brokenback Run near Nethers, Va.	01665500	Rapidan River below Route 29 near Ruckersville, Va.	0.287	0.211	0.165	0.132	0.106	0.084	0.065	0.047	0.029	0.019	0.011	0.008	0.005
01667000	Rapidan River below Route 615 at Rapidan, Va.	01668000	Rappahannock River below Motts Run near Fredericksburg, Va.	135	108	89.0	73.9	60.8	49.1	38.1	27.4	16.4	10.1	5.48	3.50	2.25
01667870	Mountain Run at Route 611 near Burr Hill, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	5.11	3.18	2.23	1.63	1.21	0.889	0.632	0.417	0.215	0.116	--	--	--
01670180	Pamunkey Creek at Route 669 at Lahore, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	10.2	6.97	5.24	4.08	3.19	2.49	1.89	1.35	0.793	0.483	--	--	--

Table 11. Low-flow characteristics for selected short-term, continuous-record streamgaging stations, transferred using the MOVE.1 method.—Continued

[discharge, measured stream flow in cubic feet per second (ft³/s); mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Return period, in years												
				1.1	1.2	1.4	1.7	2	2.5	3.3	5	10	20	50	100	200
				Non-exceedance probability												
				0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.05	0.02	0.01	0.005
				7-day averaged, adjusted low flow (ft ³ /s)												
Station number	Station description	Station number	Station description													
01671025	North Anna River above Little River near Doswell, Va.	01672500	South Anna River at Route 54 near Ashland, Va.	85.1	65.7	53.6	44.6	37.1	30.6	24.7	18.8	12.6	8.86	5.77	4.26	3.20
01672000	South Anna River at Route 617 at Vontay, Va.	02040000	Appomattox River at railroad bridge at Mattox, Va.	77.3	62.0	51.2	42.4	34.9	28.1	21.8	15.6	9.21	5.61	3.00	1.89	1.20
02012000	Falling Spring Creek at Route 220 near Falling Spring, Va.	02016500	James River below Route 220 at Lick Run, Va.	7.47	6.76	6.31	5.96	5.65	5.38	5.10	4.81	4.45	4.19	3.92	3.76	3.63
02014500	Smith Creek above old dam, near Clifton Forge, Va.	02016500	James River below Route 220 at Lick Run, Va.	3.53	2.97	2.63	2.39	2.18	2.00	1.83	1.65	1.44	1.30	1.16	1.08	1.01
02024300	Buffalo Creek at Route 608 near Glasgow, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	39.2	34.7	31.7	29.3	27.2	25.3	23.4	21.3	18.6	16.7	14.7	13.5	12.5
02024500	Maury (North) River at Route 130 near Glasgow, Va.	02035000	James River at Route 45 at Cartersville, Va.	200	162	138	120	105	92.1	79.6	66.9	52.2	42.4	33.3	28.2	24.2
02024752	James River at Blue Ridge Parkway near Big Island, Va.	02018000	Craig Creek at abandoned railroad bridge at Parr, Va.	951	855	794	747	706	668	631	591	542	506	469	447	429
02024915	Pedlar River at Forest Road 39 near Buena Vista, Va.	02027500	Piney River at Route 151 at Piney River, Va.	10.8	7.95	6.33	5.17	4.26	3.48	2.80	2.14	1.46	1.04	0.707	0.543	0.422
02032000	Moormans River below Charlottesville Reservoir near White Hall, Va.	02028500	Rockfish River at Route 634 near Greenfield, Va.	0.241	0.116	0.057	0.027	0.012	0.005	0.001	0.000	0.000	0.000	0.000	0.000	0.000
02033500	Rivanna River below Moores Creek near Charlottesville, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	212	170	141	117	96.7	78.3	61.1	44.2	26.6	16.6	9.10	5.86	3.81
02035500	Big Lickinghole Creek at Route 600 near Goochland, Va.	01672500	South Anna River at Route 54 near Ashland, Va.	9.80	6.95	5.31	4.15	3.26	2.52	1.89	1.32	0.779	0.486	0.275	0.184	0.126
02036000	Beaverdam Creek at Route 35 near Seabrell, Va.	01672500	South Anna River at Route 54 near Ashland, Va.	7.11	5.27	4.17	3.37	2.73	2.19	1.70	1.25	0.788	0.523	0.319	0.225	0.162
02038830	Fishpond Creek at Route 617 near Hixburg, Va.	02038850	Holiday Creek above Route 614 near Andersonville, Va.	4.45	3.86	3.34	2.84	2.36	1.88	1.43	0.954	0.496	0.256	0.104	0.055	0.021
02038880	Vaughans Creek at Route 626 near Hixburg, Va.	02038850	Holiday Creek above Route 614 near Andersonville, Va.	9.75	8.88	8.08	7.26	6.43	5.54	4.63	3.55	2.31	1.50	0.830	0.550	0.290
02042000	Swift Creek at Bradley Bridge Road near Chester, Va.	02038500	Falling Creek at Hopkins Road near Drewrys Bluff, Va.	15.2	8.82	5.74	3.87	2.63	1.74	1.09	0.613	0.258	0.118	0.043	0.027	0.012
02042287	Chickahominy River at Route 301 near Atlee, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	7.84	3.47	1.79	0.965	0.517	0.260	0.118	0.041	0.007	0.001	--	--	--
02042426	Upham Brook at Wilkinson Road near Richmond, Va.	02038000	Falling Creek at Route 651 near Chesterfield, Va.	1.51	1.42	1.28	1.12	0.928	0.719	0.504	0.291	0.106	0.036	0.007	0.002	0.001
02045200	Waqua Creek at Route 606 near Alberta, Va.	02051600	Great Creek at Route 763 (old Route 618) near Cochran, Va.	2.85	1.94	1.42	1.06	0.780	0.564	0.388	0.242	0.117	0.059	0.026	0.014	0.008
02046500	Anderson Branch at Route 40 at Sussex, Va.	02046000	Stony Creek at Route 1 near (at) Dinwiddie, Va.	0.023	0.007	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02047100	Assamooick Swamp at Route 35 near Seabrell, Va.	02048000	Blackwater River at Route 460 at Zuni, Va.	1.19	0.451	0.207	0.100	0.048	0.021	0.008	0.002	0.000	--	--	--	--
02048500	Seacock Swamp (Creek) at Route 635 near Berlin (at Unity), Va.	02048000	Blackwater River at Route 460 at Zuni, Va.	1.36	0.515	0.236	0.114	0.054	0.024	0.009	0.003	0.000	--	--	--	--
02054510	Roanoke River near Walburn, Va.	02054530	Roanoke River at Route 1154 at Glenvar, Va.	86.9	72.6	63.3	56.0	49.8	44.1	38.5	32.7	25.8	21.0	16.4	13.9	11.9
02058000	Snow Creek at Route 969 at Sago, Va.	02058500	Pigg River along Route 605 near Toshes, Va.	30.5	25.0	21.4	18.5	15.9	13.6	11.4	9.10	6.47	4.76	3.27	2.50	1.93
02059000	Roanoke River at Route 1109 near Gratna, Va.	02057500	Roanoke River near Toshes, Va.	581	486	425	378	338	302	267	231	187	156	127	111	97.0
02059485	Goose Creek at Route 747 near Bunker Hill, Va.	02059500	Goose Creek above Route 732 near Huddleston, Va.	47.5	40.7	35.8	31.8	28.1	24.7	21.2	17.5	13.0	9.95	7.13	5.61	4.44
02062000	Big Otter River above Tardy Branch near Altavista, Va.	02059500	Goose Creek above Route 732 near Huddleston, Va.	166	138	118	102	87.9	74.9	62.3	49.3	34.5	24.9	16.6	12.4	9.35
02063000	Caldwells Creek (East Fork Falling River) at Route 719 near Appomattox, Va.	02064000	Falling River at Route 643 near Naruna, Va.	1.81	1.60	1.41	1.24	1.08	0.915	0.746	0.565	0.357	0.227	0.125	0.080	0.051
02063500	Falling River (East Fork Falling River) above Route 646 at Spring Mills, Va.	02064000	Falling River at Route 643 near Naruna, Va.	18.4	16.4	14.7	13.1	11.6	10.00	8.33	6.50	4.31	2.88	1.69	1.13	0.755
02064500	Little Falling River at Route 618 at Hat Creek, Va.	02064000	Falling River at Route 643 near Naruna, Va.	13.8	11.8	10.0	8.50	7.07	5.70	4.37	3.05	1.67	0.927	0.428	0.238	0.132
02065000	Falling River below Hat Creek near Brookneal, Va.	02039500	Appomattox River at Route 45 at Farmville, Va.	49.0	48.0	47.9	46.8	44.3	40.0	33.3	23.8	11.4	4.62	1.15	0.352	0.100
02073500	Leatherwood Creek at Route 650 near Martinsville (Old Liberty), Va.	02074500	Sandy River above Route 863 near Danville, Va.	28.0	21.7	17.7	14.8	12.4	10.3	8.39	6.50	4.46	3.20	2.15	1.63	1.25
03163000	New River above Kings Branch near Baywood, Va.	03171500	New River at Route 730 at Eggleston, Va.	958	871	815	770	730	693	656	615	563	525	485	460	439
03166000	Cripple Creek at Route 94 near Ivanhoe, Va.	03167000	Reed Creek at Route 619 at Grahams Forge, Va.	56.9	51.5	47.8	44.8	42.2	39.7	37.1	34.3	30.7	27.9	25.0	23.3	21.8
03169500	Little River at Route 787 near Copper Valley, Va.	03167500	Big Reed Island Creek below Route 693 near Allisonia, Va.	138	121	109	101	93.0	85.9	78.8	71.1	61.7	54.7	47.7	43.5	39.9
03172500	Walker Creek at Route 660 at Staffordsville, Va.	03175500	Wolf Creek at Route 724 near Narrows, Va.	57.3	47.4	41.6	37.3	33.8	30.6	27.7	24.6	21.1	18.7	16.3	15.0	13.9
03175100	Cox Branch above Tazewell Reservoir, near Gratton, Va.	03175500	Wolf Creek at Route 724 near Narrows, Va.	0.805	0.668	0.586	0.526	0.476	0.432	0.390	0.348	0.298	0.264	0.231	0.212	0.196
03175140	West Fork Cove Creek below Oneida Branch near Bluefield, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	1.99	1.63	1.42	1.27	1.15	1.05	0.951	0.854	0.744	0.669	0.600	0.561	0.529
03208032	Grissom Creek near Fletcher Ridge near Council, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	0.029	0.016	0.010	0.007	0.004	0.003	0.002	0.001	0.000	0.000	0.000	0.000	0.000
03208033	Grissom Creek tributary near Council, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	0.033	0.018	0.011	0.007	0.004	0.003	0.001	0.001	0.000	0.000	0.000	0.000	0.000
03208034	Grissom Creek at Route 626 near Council, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	0.098	0.050	0.029	0.017	0.011	0.006	0.003	0.002	0.000	0.000	0.000	0.000	0.000
03208036	Barton Fork above mouth near Council, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	0.118	0.075	0.052	0.037	0.027	0.019	0.012	0.007	0.003	0.002	0.001	0.000	0.000
03208040	Russell Fork at Route 80 at Council, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	0.837	0.506	0.338	0.233	0.161	0.108	0.069	0.039	0.017	0.008	0.003	0.002	0.001
03208100	Russell Fork at Route 80 near Birchleaf, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	6.69	4.21	2.90	2.05	1.46	1.01	0.664	0.394	0.178	0.088	0.037	0.020	0.011

Table 11. Low-flow characteristics for selected short-term, continuous-record streamgaging stations, transferred using the MOVE.1 method.—Continued

[discharge, measured stream flow in cubic feet per second (ft³/s); mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Return period, in years												
				1.1	1.2	1.4	1.7	2	2.5	3.3	5	10	20	50	100	200
				Non-exceedance probability												
				0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.05	0.02	0.01	0.005
				7-day averaged, adjusted low flow (ft ³ /s)												
Station number	Station description	Station number	Station description													
03213577	Kershaw Branch near Hurley, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	0.062	0.051	0.044	0.038	0.033	0.028	0.024	0.019	0.014	0.011	0.008	0.006	0.005
03213590	Knox Creek at Route 697 at Kelsa, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	8.91	7.01	5.80	4.88	4.11	3.42	2.78	2.15	1.46	1.04	0.683	0.508	0.383
03487800	Lick Creek above Route 42 near Chatham Hill, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	2.37	1.80	1.49	1.28	1.12	0.979	0.857	0.740	0.612	0.530	0.456	0.415	0.383
03488100	North Fork Holston River at Route 611 near Plasterco, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	59.9	50.6	45.2	41.2	37.9	35.0	32.3	29.6	26.3	24.1	22.0	20.8	19.8
03488445	Brumley Creek near Hansonville, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	0.814	0.579	0.460	0.381	0.323	0.275	0.234	0.195	0.154	0.129	0.108	0.096	0.087
03488450	Brumley Creek at Route 611 at Brumley Gap, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	3.89	2.83	2.28	1.91	1.62	1.39	1.18	0.988	0.780	0.649	0.534	0.472	0.424
03488500	North Fork Holston River at Route 19 at Holston, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	104	88.0	78.6	71.8	66.1	61.1	56.4	51.6	46.1	42.2	38.6	36.5	34.8
03489850	Cove Creek at Route 803 near Hilton, Va.	03526000	Copper Creek at Route 619 near Gate City, Va.	2.61	2.14	1.87	1.67	1.50	1.36	1.22	1.08	0.923	0.813	0.710	0.650	0.601
03489870	Big Moccasin Creek at Route 612 at Collinwood, near Hansonville, Va.	03526000	Copper Creek at Route 619 near Gate City, Va.	11.0	9.32	8.32	7.58	6.96	6.40	5.87	5.32	4.66	4.20	3.76	3.49	3.28
03489900	Big Moccasin Creek at Route 71 near Gate City, Va.	03526000	Copper Creek at Route 619 near Gate City, Va.	21.5	18.5	16.7	15.3	14.1	13.1	12.1	11.0	9.76	8.87	8.00	7.48	7.05
03520967	Indian Creek along railroad near Cedar Bluff, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	2.32	1.84	1.53	1.29	1.09	0.914	0.747	0.581	0.399	0.285	0.190	0.142	0.108
03521000	Clinch River at Route 631 at Cedar Bluff, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	30.3	24.9	21.8	19.5	17.7	16.0	14.5	13.0	11.2	10.0	8.90	8.24	7.71
03522000	Little River at Route 19 at Wardell, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	37.6	32.2	28.9	26.5	24.5	22.7	21.0	19.2	17.1	15.6	14.2	13.4	12.7
03523000	Big Cedar (Cedar) Creek above Route 19 near Lebanon, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	12.2	10.1	8.92	8.03	7.30	6.66	6.05	5.44	4.73	4.25	3.78	3.52	3.30
03523500	Thompson Creek at Route 646 near Coulwood, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	2.42	1.97	1.71	1.53	1.38	1.24	1.12	0.999	0.857	0.761	0.671	0.620	0.578
03524550	Guest River near Miller Yard, Va.	03208950	Cranes Nest River below railroad bridge near Clintwood, Va.	25.9	19.4	15.4	12.6	10.3	8.34	6.80	4.93	3.22	2.21	1.41	1.03	0.756
03524900	Stony Creek at Route 619 at Ka, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	6.37	4.09	2.87	2.06	1.49	1.05	0.703	0.427	0.200	0.102	0.044	0.024	0.014
03525000	Stony Creek above Route 66 at Fort Blackmore, Va.	03529500	Powell River at Route 23 at Big Stone Gap, Va.	5.62	4.04	3.15	2.53	2.04	1.64	1.29	0.965	0.635	0.442	0.289	0.216	0.164
03525500	Clinch River at Clinchport, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	241	201	177	160	146	134	123	111	98.0	88.9	80.5	75.7	71.7
03527500	North Fork Clinch River at Route 58 at Duffield, Va.	03531500	Powell River at Route 70 near Jonesville, Va.	4.69	3.83	3.31	2.92	2.59	2.30	2.03	1.74	1.41	1.19	0.976	0.855	0.757

Table 11. Low-flow characteristics for selected short-term, continuous-record streamgaging stations, transferred using the MOVE.1 method.—Continued

[discharge, measured stream flow in cubic feet per second (ft³/s); mi, miles; --, not determined]

		Return period, in years														
		1.1	1.2	1.4	1.7	2	2.5	3.3	5	10	20	50	100	200		
		Non-exceedance probability														
		0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.05	0.02	0.01	0.005		
Partial-record streamgaging station	Index-record streamgaging station	30-day averaged, adjusted low flow (ft ³ /s)														
Station number	Station description	Station number	Station description													
01614830	Opequon Creek at Route 11 near Stephens City, Va.	01632900	Smith Creek at Route 616 near New Market, Va.	4.38	3.50	2.98	2.61	2.30	2.04	1.79	1.54	1.25	1.06	0.882	0.782	0.700
01616100	Dry Marsh Run at Route 645 near Berryville, Va.	01634000	North Fork Shenandoah River at Route 55 near Strasburg, Va.	4.28	3.43	2.95	2.61	2.34	2.10	1.89	1.67	1.42	1.26	1.11	1.02	0.952
01621000	Dry River at Route 847 at Rawley Springs, Va.	01632000	North Fork Shenandoah River above Route 259 at Cootes Store, Va.	10.3	5.42	3.39	2.27	1.56	1.06	0.706	0.437	0.223	0.126	0.066	0.044	0.030
01624000	Bell Creek at Route 732 at Franks Mill near Staunton, Va.	01625000	Middle River at Route 769 near Grottoes, Va.	0.415	0.298	0.234	0.190	0.157	0.129	0.104	0.081	0.058	0.043	0.031	0.025	0.020
01625900	Back Creek at Route 624 at Lyndhurst, Va.	01665500	Rapidan River below Route 29 near Ruckersville, Va.	8.01	3.96	2.34	1.48	0.955	0.610	0.375	0.209	0.091	0.044	0.020	0.011	0.007
01628150	Deep Run 0.5 miles above Route 708 near Grottoes, Va.	01628060	White Oak Run 0.15 miles above mouth near Grottoes, Va.	0.126	0.077	0.044	0.018	--	--	--	--	--	--	--	--	--
01630700	Gooney Run at Route 622 near Glen Echo, Va.	01663500	Hazel River at Route 229 at Rixeyville, Va.	9.79	6.35	4.59	3.44	2.61	1.97	1.44	0.989	0.575	0.361	0.209	0.144	0.101
01633500	Stony Creek along Route 675 at Columbia Furnace, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	15.3	11.7	9.82	8.51	7.50	6.65	5.89	5.15	4.35	3.83	3.36	3.10	2.90
01635090	Cedar Creek above Route 11 near Middletown, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	36.1	29.2	25.3	22.6	20.4	18.5	16.8	15.1	13.2	11.9	10.7	10.1	9.53
01636242	Crooked Run below Route 340 at Riverton, Va.	01613900	Hogue Creek at Route 614 near Hayfield, Va.	7.05	5.32	4.39	3.76	3.28	2.87	2.51	2.15	1.77	1.51	1.30	1.18	1.09
0163626650	Manassas Run at Route 645 near Front Royal, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	4.76	2.95	2.06	1.51	1.12	0.824	0.590	0.395	0.222	0.136	0.077	0.052	0.036
01636316	Spout Run at Route 621 near Millwood, Va.	01634000	North Fork Shenandoah River at Route 55 near Strasburg, Va.	11.7	10.1	9.06	8.32	7.70	7.15	6.63	6.09	5.46	5.01	4.58	4.33	4.12
01636330	Horsepen Springs near Briggs, Va.	01632900	Smith Creek at Route 616 near New Market, Va.	0.322	0.270	0.238	0.215	0.195	0.177	0.159	0.142	0.121	0.106	0.091	0.083	0.076
01636690	Piney Run at Route 671 near Lovettsville, Va.	01664000	Rappahannock River at Route 29 (Alternate) at Remington, Va.	5.22	3.34	2.41	1.81	1.38	1.05	0.782	0.549	0.333	0.218	0.134	0.096	0.071
01638350	South Fork Catoclin Creek at Route 698 near Waterford, Va.	01638480	Catoclin Creek at Route 663 at Taylorstown, Va.	10.6	7.08	5.20	3.95	3.02	2.29	1.68	1.16	0.672	0.418	0.237	0.159	0.113
01638420	North Fork Catoclin Creek at Route 681 bridge near Waterford, Va.	01638480	Catoclin Creek at Route 663 at Taylorstown, Va.	6.32	3.85	2.63	1.88	1.35	0.963	0.659	0.417	0.213	0.119	0.059	0.036	0.024
01643590	Limestone Branch at Route 15 near Leesburg, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	1.89	1.43	1.19	1.02	0.891	0.785	0.690	0.600	0.501	0.438	0.381	0.351	0.327
01643805	North Fork Gosse Creek at Route 729 near Lincoln, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	13.6	8.94	6.53	4.96	3.82	2.92	2.17	1.53	0.921	0.598	0.362	0.257	0.186
01643880	Beaverdam Creek at Route 734 near Mountville, Va.	01643700	Goose Creek at Route 611 near Middleburg, Va.	12.9	7.57	4.69	2.90	1.74	0.976	0.480	0.181	0.032	0.003	--	--	--
01644280	Broad Run at Route 7 near Leesburg, Va.	01646000	Difficult Run below Route 193 near Great Falls, Va.	31.3	24.3	19.7	16.2	13.2	10.7	8.32	6.06	3.72	2.38	1.37	0.923	0.630
01645704	Difficult Run above Fox Lake near Fairfax, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	4.42	3.71	3.21	2.79	2.42	2.07	1.73	1.37	0.954	0.682	0.452	0.336	0.246
01645784	Snakeden Branch at Soapstone Drive at Reston, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	0.596	0.494	0.422	0.362	0.310	0.262	0.216	0.167	0.113	0.079	0.050	0.037	0.026
01654500	Long Branch (Little Run) at Route 620 near Annandale, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	1.98	1.61	1.35	1.14	0.956	0.792	0.637	0.479	0.311	0.207	0.126	0.088	0.060
01655000	Accotink Creek at Army Engineer Road near Accotink Station, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	15.2	12.3	10.3	8.65	7.26	5.99	4.80	3.60	2.32	1.53	0.923	0.641	0.438
01656102	Goslin Run at Marine Road near Aden, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	0.538	0.222	0.116	0.065	0.039	0.022	0.013	0.005	0.001	--	--	--	--
01656120	Cedar Run at Route 646 near Aden, Va.	01656100	Cedar Run at Route 611 near Aden, Va.	18.8	11.6	8.32	6.31	4.91	3.85	2.99	2.24	1.53	1.14	0.819	0.677	0.565
01656903	Flatlick Branch above Frog Branch at Chantilly, Va.	01659000	North Branch Chopawamsic Creek above Marine Road 1 near Independent Hill, Va.	1.73	0.850	0.505	0.327	0.205	0.133	0.079	0.041	0.019	0.008	0.008	--	--
01657020	Bull Run at Route 28 near Manassas Park, Va.	01656960	Cub Run at Route 658 near Bull Run, Va.	41.0	32.7	27.4	23.4	19.9	16.9	14.0	11.1	7.91	5.76	4.05	3.16	2.43
01657655	Hooes Run above Route 641 near Occoquan, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	0.748	0.380	0.232	0.149	0.100	0.065	0.043	0.022	0.008	--	--	--	--
01657850	Neabsco Creek at Delaney Road (Route 610) at Dale City, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	2.92	2.30	1.89	1.56	1.28	1.04	0.814	0.591	0.363	0.230	0.131	0.088	0.058
01657895	Powell's Creek at Route 643 near Dale City, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	1.27	0.628	0.375	0.236	0.156	0.100	0.065	0.032	0.011	--	--	--	--
01658480	Quantico Creek at pyrite mine road near Dumfries, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	1.43	0.884	0.621	0.452	0.341	0.251	0.186	0.116	0.055	--	--	--	--
01658550	South Fork Quantico Creek at Camp 5 Lake, near Joplin, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	2.05	1.31	0.942	0.702	0.540	0.406	0.309	0.199	0.100	--	--	--	--
01658650	South Fork Quantico Creek above mouth near Dumfries, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	3.73	2.38	1.72	1.28	0.988	0.745	0.566	0.366	0.185	--	--	--	--
01658698	Little Creek at Mocking Bird Road at Triangle, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	0.548	0.361	0.266	0.203	0.159	0.122	0.095	0.063	0.033	--	--	--	--
01658705	Little Creek at Geiger Road at Quantico, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	1.21	0.855	0.662	0.527	0.429	0.344	0.278	0.197	0.116	--	--	--	--
01660100	Chopawamsic Creek at Russell Road near Joplin, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	2.18	0.913	0.484	0.274	0.164	0.095	0.056	0.024	0.006	--	--	--	--
01660380	Cannon Creek above mouth near Garrisonville, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	2.77	1.58	1.04	0.722	0.519	0.364	0.258	0.148	0.063	--	--	--	--
01661900	Carter Run off Route 691 near Marshall, Va.	01656500	Broad Run at Route 29 at Buckland, Va.	5.70	4.06	3.13	2.48	1.98	1.57	1.21	0.882	0.553	0.370	0.232	0.164	0.121
01662156	South Fork Brokenback Run near Nethers, Va.	01665500	Rapidan River below Route 29 near Ruckersville, Va.	0.390	0.282	0.222	0.180	0.147	0.120	0.096	0.073	0.050	0.036	0.025	0.019	0.015
01667000	Rapidan River below Route 615 at Rapidan, Va.	01668000	Rappahannock River below Motts Run near Fredericksburg, Va.	194	149	121	100	83.1	68.1	54.4	41.1	27.0	18.6	11.8	8.55	6.28
01667870	Mountain Run at Route 611 near Burr Hill, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	8.94	5.79	4.11	3.01	2.21	1.58	1.10	0.694	0.346	0.192	0.089	0.059	0.024
01670180	Pamunkey Creek at Route 669 at Lahore, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	16.1	11.3	8.58	6.67	5.19	3.97	2.96	2.04	1.16	0.722	0.388	0.278	0.136
01671025	North Anna River above Little River near Doswell, Va.	01672500	South Anna River at Route 54 near Ashland, Va.	128	96.9	78.1	64.4	53.4	43.9	35.4	27.1	18.4	13.2	8.83	6.69	5.14

Table 11. Low-flow characteristics for selected short-term, continuous-record streamgaging stations, transferred using the MOVE.1 method.—Continued

[discharge, measured stream flow in cubic feet per second (ft³/s); mi, miles; --, not determined]

		Return period, in years														
		1.1	1.2	1.4	1.7	2	2.5	3.3	5	10	20	50	100	200		
		Non-exceedence probability														
		0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.05	0.02	0.01	0.005		
Partial-record streamgaging station		Index-record streamgaging station														
Station number	Station description	Station number	Station description	30-day averaged, adjusted low flow (ft ³ /s)												
03487800	Lick Creek above Route 42 near Chatham Hill, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	3.61	2.61	2.10	1.76	1.50	1.30	1.11	0.945	0.766	0.654	0.556	0.504	0.463
03488100	North Fork Holston River at Route 611 near Plasterco, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	77.3	63.5	55.6	50.0	45.4	41.5	37.9	34.3	30.2	27.4	24.9	23.4	22.2
03488445	Brumley Creek near Hansonville, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	1.36	0.916	0.700	0.564	0.465	0.388	0.322	0.263	0.203	0.167	0.137	0.122	0.110
03488450	Brumley Creek at Route 611 at Brumley Gap, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	6.59	4.46	3.44	2.79	2.33	1.96	1.65	1.37	1.08	0.907	0.762	0.687	0.629
03488500	North Fork Holston River at Route 19 at Holston, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	134	110	96.6	86.9	79.1	72.3	66.1	59.8	52.7	47.9	43.5	41.0	39.0
03489850	Cove Creek at Route 803 near Hilton, Va.	03526000	Copper Creek at Route 619 near Gate City, Va.	3.38	2.63	2.24	1.97	1.78	1.61	1.47	1.33	1.19	1.10	1.02	0.982	0.952
03489870	Big Moccasin Creek at Route 612 at Collinwood, near Hansonville, Va.	03526000	Copper Creek at Route 619 near Gate City, Va.	13.5	11.0	9.65	8.71	7.98	7.37	6.83	6.30	5.73	5.38	5.07	4.91	4.78
03489900	Big Moccasin Creek at Route 71 near Gate City, Va.	03526000	Copper Creek at Route 619 near Gate City, Va.	26.1	21.6	19.1	17.4	16.0	14.9	13.9	12.9	11.8	11.1	10.5	10.2	10.00
03520967	Indian Creek along railroad near Cedar Bluff, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	4.43	3.30	2.64	2.16	1.78	1.46	1.17	0.896	0.608	0.434	0.292	0.222	0.171
03521000	Cinch River at Route 631 at Cedar Bluff, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	41.9	33.0	28.1	24.7	22.1	19.8	17.8	15.9	13.7	12.3	11.1	10.4	9.84
03522000	Little River at Route 19 at Wardell, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	48.7	40.2	35.4	32.0	29.2	26.9	24.7	22.5	20.1	18.4	16.9	16.1	15.4
03523000	Big Cedar (Cedar) Creek above Route 19 near Lebanon, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	16.7	13.3	11.4	10.1	9.03	8.15	7.36	6.59	5.74	5.18	4.67	4.39	4.17
03523500	Thompson Creek at Route 646 near Coulwood, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	3.40	2.64	2.23	1.95	1.73	1.55	1.39	1.23	1.06	0.945	0.845	0.790	0.746
03524550	Guest River near Miller Yard, Va.	03208950	Cranes Nest River below railroad bridge near Clintwood, Va.	38.8	28.0	22.3	18.3	15.4	12.9	10.8	8.73	6.57	5.24	4.09	3.47	3.00
03524900	Stony Creek at Route 619 at Ka, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	10.5	7.17	5.25	3.93	2.94	2.15	1.51	0.962	0.487	0.264	0.123	0.072	0.042
03525000	Stony Creek above Route 66 at Fort Blackmore, Va.	03529500	Powell River at Route 23 at Big Stone Gap, Va.	8.90	6.06	4.58	3.60	2.86	2.28	1.78	1.32	0.879	0.623	0.421	0.324	0.253
03525500	Cinch River at Clinchport, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	320	257	222	198	178	161	146	131	114	102	91.9	86.0	81.3
03527500	North Fork Clinch River at Route 58 at Duffield, Va.	03531500	Powell River at Route 70 near Jonesville, Va.	7.05	5.42	4.51	3.87	3.36	2.93	2.53	2.14	1.71	1.43	1.17	1.03	0.920