

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations.

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		LOG10 low-flow expressed as a function of index-record streamgaging station LOG10 discharge using the MOVE.1 method
Station number	Station description	Station number	Station description	
01484790	Nassawadox Creek at Route 606 near Nassawadox, Va.	01484800	Guy Creek at Route 606 near Nassawadox, Va.	$\text{LOG}_{10}(\text{Station 01484790 discharge}) = 0.447 + 1.140 \cdot \text{LOG}_{10}(\text{Station 01484800 discharge})$
01484855	North Branch Onancock Creek at Pine Street at Onancock, Va.	01674500	Mattaponi River near Beulahville, Va.	$\text{LOG}_{10}(\text{Station 01484855 discharge}) = -3.472 + 1.233 \cdot \text{LOG}_{10}(\text{Station 01674500 discharge})$
01605200	West Strait Creek at Monterey wastewater outfall at Monterey, Va.	02011400	Jackson River along Route 603 near Bacova, Va.	$\text{LOG}_{10}(\text{Station 01605200 discharge}) = -1.619 + 0.673 \cdot \text{LOG}_{10}(\text{Station 02011400 discharge})$
01605500	South Branch Potomac River at Franklin, W.Va.	02011400	Jackson River along Route 603 near Bacova, Va.	$\text{LOG}_{10}(\text{Station 01605500 discharge}) = 0.219 + 0.897 \cdot \text{LOG}_{10}(\text{Station 02011400 discharge})$
01607500	South Fork South Branch Potomac River at Brandywine, W.Va.	02020500	Calfpasture River at Route 42 above Mill Creek, at Goshen, Va.	$\text{LOG}_{10}(\text{Station 01607500 discharge}) = 0.024 + 0.883 \cdot \text{LOG}_{10}(\text{Station 02020500 discharge})$
01613570	Back Creek at old Route 522 at Gainesboro, Va.	01666500	Robinson (Robertson) River at Route 614 near Locust Dale, Va.	$\text{LOG}_{10}(\text{Station 01613570 discharge}) = -0.081 + 0.429 \cdot \text{LOG}_{10}(\text{Station 01666500 discharge})$
01613590	Isaacs Creek at Route 522 at Gainesboro, Va.	01632900	Smith Creek at Route 616 near New Market, Va.	$\text{LOG}_{10}(\text{Station 01613590 discharge}) = -2.816 + 2.008 \cdot \text{LOG}_{10}(\text{Station 01632900 discharge})$
01614805	Opequon Creek at Route 622 at Opequon, Va.	01628500	South Fork Shenandoah River below Lower Lewis Run near Lynnwood, Va.	$\text{LOG}_{10}(\text{Station 01614805 discharge}) = -2.472 + 0.912 \cdot \text{LOG}_{10}(\text{Station 01628500 discharge})$
01614820	Opequon Creek at old Route 628 near Opequon, Va.	01626000	South River at Route 664 near Waynesboro, Va.	$\text{LOG}_{10}(\text{Station 01614820 discharge}) = -0.967 + 0.837 \cdot \text{LOG}_{10}(\text{Station 01626000 discharge})$
01615515	Old Town Spring at Winchester, Va.	01632082	Linville Creek below Route 786 at Broadway, Va.	$\text{LOG}_{10}(\text{Station 01615515 discharge}) = -0.603 + 0.237 \cdot \text{LOG}_{10}(\text{Station 01632082 discharge})$
01615518	Town Run tributary from Shawnee Spring at Winchester, Va.	01632082	Linville Creek below Route 786 at Broadway, Va.	$\text{LOG}_{10}(\text{Station 01615518 discharge}) = -0.208 + 0.195 \cdot \text{LOG}_{10}(\text{Station 01632082 discharge})$
01615522	Rouss Spring at Winchester, Va.	01663500	Hazel River at Route 229 at Rixeyville, Va.	$\text{LOG}_{10}(\text{Station 01615522 discharge}) = 0.334 + 0.125 \cdot \text{LOG}_{10}(\text{Station 01663500 discharge})$
01616074	Redbud Run at private drive above Fay Spring near Winchester, Va.	02027500	Piney River at Route 151 at Piney River, Va.	$\text{LOG}_{10}(\text{Station 01616074 discharge}) = -0.245 + 0.458 \cdot \text{LOG}_{10}(\text{Station 02027500 discharge})$
01616188	Hot Run tributary below Payne Spring at Route 11 at Stephenson, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	$\text{LOG}_{10}(\text{Station 01616188 discharge}) = -2.579 + 0.905 \cdot \text{LOG}_{10}(\text{Station 01667500 discharge})$
01616200	Clearbrook Run above wastewater outfall at Clearbrook, Va.	01632900	Smith Creek at Route 616 near New Market, Va.	$\text{LOG}_{10}(\text{Station 01616200 discharge}) = -2.036 + 1.583 \cdot \text{LOG}_{10}(\text{Station 01632900 discharge})$
01620690	North River at Route 727 near Bridgewater, Va.	02012500	Jackson River at Route 687 at Falling Spring, Va.	$\text{LOG}_{10}(\text{Station 01620690 discharge}) = -2.026 + 1.376 \cdot \text{LOG}_{10}(\text{Station 02012500 discharge})$
01620836	Mossy Creek at Route 731 at Mt. Solon, Va.	01625000	Middle River at Route 769 near Grottoes, Va.	$\text{LOG}_{10}(\text{Station 01620836 discharge}) = -5.139 + 2.505 \cdot \text{LOG}_{10}(\text{Station 01625000 discharge})$
01620850	Mossy Creek near Spring Creek, Va.	01622000	North River along Route 693 near Burkettown, Va.	$\text{LOG}_{10}(\text{Station 01620850 discharge}) = 0.317 + 0.470 \cdot \text{LOG}_{10}(\text{Station 01622000 discharge})$
01621100	Muddy Creek at Route 33 at Hinton, Va.	01671100	Little River at Route 685 near Doswell, Va.	$\text{LOG}_{10}(\text{Station 01621100 discharge}) = -0.158 + 0.688 \cdot \text{LOG}_{10}(\text{Station 01671100 discharge})$
01621200	War Branch at Route 33 near Hinton, Va.	01622000	North River along Route 693 near Burkettown, Va.	$\text{LOG}_{10}(\text{Station 01621200 discharge}) = -3.617 + 1.715 \cdot \text{LOG}_{10}(\text{Station 01622000 discharge})$
01621280	Muddy Creek at Route 737 near Hinton, Va.	01622000	North River along Route 693 near Burkettown, Va.	$\text{LOG}_{10}(\text{Station 01621280 discharge}) = -0.741 + 0.853 \cdot \text{LOG}_{10}(\text{Station 01622000 discharge})$
01621300	Dry River at Route 257 at Bridgewater, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	$\text{LOG}_{10}(\text{Station 01621300 discharge}) = -0.216 + 1.374 \cdot \text{LOG}_{10}(\text{Station 02022500 discharge})$
01621305	Dry River at mouth at Bridgewater, Va.	01622000	North River along Route 693 near Burkettown, Va.	$\text{LOG}_{10}(\text{Station 01621305 discharge}) = -1.481 + 1.313 \cdot \text{LOG}_{10}(\text{Station 01622000 discharge})$
01621315	North River at Route 42 at Bridgewater, Va.	01674500	Mattaponi River near Beulahville, Va.	$\text{LOG}_{10}(\text{Station 01621315 discharge}) = -0.632 + 0.937 \cdot \text{LOG}_{10}(\text{Station 01674500 discharge})$
01621320	Long Glade Creek at Route 613 near Moscow, Va.	01646000	Difficult Run below Route 193 near Great Falls, Va.	$\text{LOG}_{10}(\text{Station 01621320 discharge}) = -2.223 + 1.520 \cdot \text{LOG}_{10}(\text{Station 01646000 discharge})$
01621340	Long Glade Creek at Route 42 at Bridgewater, Va.	01628500	South Fork Shenandoah River below Lower Lewis Run near Lynnwood, Va.	$\text{LOG}_{10}(\text{Station 01621340 discharge}) = -5.888 + 2.262 \cdot \text{LOG}_{10}(\text{Station 01628500 discharge})$
01621390	Cooks Creek at Route 11 near Mt. Crawford, Va.	01632900	Smith Creek at Route 616 near New Market, Va.	$\text{LOG}_{10}(\text{Station 01621390 discharge}) = -0.306 + 0.792 \cdot \text{LOG}_{10}(\text{Station 01632900 discharge})$
01621600	Pleasant Run near Route 867 at Mt. Crawford, Va.	01632900	Smith Creek at Route 616 near New Market, Va.	$\text{LOG}_{10}(\text{Station 01621600 discharge}) = -0.943 + 0.831 \cdot \text{LOG}_{10}(\text{Station 01632900 discharge})$
01622465	Middle River at Route 250 near Churchville, Va.	01625000	Middle River at Route 769 near Grottoes, Va.	$\text{LOG}_{10}(\text{Station 01622465 discharge}) = -0.832 + 1.068 \cdot \text{LOG}_{10}(\text{Station 01625000 discharge})$

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Number of X-Y pairs	Distance between sites (mi)	Rsquare	Spearman ρ	LOC slope lower confidence limit	LOC slope upper confidence limit
Station number	Station description	Station number	Station description						
01484790	Nassawadox Creek at Route 606 near Nassawadox, Va.	01484800	Guy Creek at Route 606 near Nassawadox, Va.	53	1.35	0.83	0.81	0.95	1.39
01484855	North Branch Onancock Creek at Pine Street at Onancock, Va.	01674500	Mattaponi River near Beulahville, Va.	23	97.3	0.66	0.78	0.70	2.19
01605200	West Strait Creek at Monterey wastewater outfall at Monterey, Va.	02011400	Jackson River along Route 603 near Bacova, Va.	11	15.8	0.97	0.96	0.55	0.82
01605500	South Branch Potomac River at Franklin, W.Va.	02011400	Jackson River along Route 603 near Bacova, Va.	58	25.8	0.98	0.98	0.85	0.95
01607500	South Fork South Branch Potomac River at Brandywine, W.Va.	02020500	Calfpasture River at Route 42 above Mill Creek, at Goshen, Va.	55	21.4	0.95	0.95	0.80	0.97
01613570	Back Creek at old Route 522 at Gainesboro, Va.	01666500	Robinson (Robertson) River at Route 614 near Locust Dale, Va.	13	56.1	0.94	0.93	0.34	0.55
01613590	Isaacs Creek at Route 522 at Gainesboro, Va.	01632900	Smith Creek at Route 616 near New Market, Va.	12	55.9	0.96	--	1.61	2.50
01614805	Opequon Creek at Route 622 at Opequon, Va.	01628500	South Fork Shenandoah River below Lower Lewis Run near Lynnwood, Va.	32	75.4	0.85	0.88	0.72	1.16
01614820	Opequon Creek at old Route 628 near Opequon, Va.	01626000	South River at Route 664 near Waynesboro, Va.	33	91.7	0.83	0.85	0.66	1.09
01615515	Old Town Spring at Winchester, Va.	01632082	Linville Creek below Route 786 at Broadway, Va.	27	--	0.70	0.77	0.15	0.37
01615518	Town Run tributary from Shawnee Spring at Winchester, Va.	01632082	Linville Creek below Route 786 at Broadway, Va.	29	57.9	0.66	0.63	0.12	0.31
01615522	Rouss Spring at Winchester, Va.	01663500	Hazel River at Route 229 at Rixeyville, Va.	14	--	0.60	0.67	0.04	0.43
01616074	Redbud Run at private drive above Fay Spring near Winchester, Va.	02027500	Piney River at Route 151 at Piney River, Va.	11	112	0.65	0.89	0.11	1.89
01616188	Hot Run tributary below Payne Spring at Route 11 at Stephenson, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	12	61.2	0.97	0.98	0.75	1.09
01616200	Clearbrook Run above wastewater outfall at Clearbrook, Va.	01632900	Smith Creek at Route 616 near New Market, Va.	14	59.5	0.60	0.74	0.54	5.82
01620690	North River at Route 727 near Bridgewater, Va.	02012500	Jackson River at Route 687 at Falling Spring, Va.	11	37.1	0.91	0.97	0.96	1.97
01620836	Mossy Creek at Route 731 at Mt. Solon, Va.	01625000	Middle River at Route 769 near Grottoes, Va.	12	10.3	0.57	--	--	--
01620850	Mossy Creek near Spring Creek, Va.	01622000	North River along Route 693 near Burketown, Va.	10	7.28	0.98	0.99	0.39	0.57
01621100	Muddy Creek at Route 33 at Hinton, Va.	01671100	Little River at Route 685 near Doswell, Va.	16	78.2	0.92	0.94	0.53	0.89
01621200	War Branch at Route 33 near Hinton, Va.	01622000	North River along Route 693 near Burketown, Va.	10	6.44	0.94	0.98	1.27	2.31
01621280	Muddy Creek at Route 737 near Hinton, Va.	01622000	North River along Route 693 near Burketown, Va.	46	7.33	0.92	0.95	0.75	0.97
01621300	Dry River at Route 257 at Bridgewater, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	14	52.7	0.92	0.99	1.04	1.81
01621305	Dry River at mouth at Bridgewater, Va.	01622000	North River along Route 693 near Burketown, Va.	37	6.54	0.94	0.96	1.16	1.49
01621315	North River at Route 42 at Bridgewater, Va.	01674500	Mattaponi River near Beulahville, Va.	12	94.3	0.85	--	0.58	1.51
01621320	Long Glade Creek at Route 613 near Moscow, Va.	01646000	Difficult Run below Route 193 near Great Falls, Va.	8	105	0.87	0.99	1.90	6.73
01621340	Long Glade Creek at Route 42 at Bridgewater, Va.	01628500	South Fork Shenandoah River below Lower Lewis Run near Lynnwood, Va.	8	4.73	0.93	0.97	1.84	4.39
01621390	Cooks Creek at Route 11 near Mt. Crawford, Va.	01632900	Smith Creek at Route 616 near New Market, Va.	38	13.4	0.89	0.88	0.66	0.95
01621600	Pleasant Run near Route 867 at Mt. Crawford, Va.	01632900	Smith Creek at Route 616 near New Market, Va.	38	14.4	0.78	0.79	0.63	1.10
01622465	Middle River at Route 250 near Churchville, Va.	01625000	Middle River at Route 769 near Grottoes, Va.	12	6.70	0.94	--	0.82	1.39

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		LOG10 low-flow expressed as a function of index-record streamgaging station LOG10 discharge using the MOVE.1 method
Station number	Station description	Station number	Station description	
01622468	Jennings Branch at Whites Store above Stoutameyer Branch near Lone Fountain, Va.	02011400	Jackson River along Route 603 near Bacova, Va.	$\text{LOG}_{10}(\text{Station } 01622468 \text{ discharge}) = -5.281 + 3.093 \cdot \text{LOG}_{10}(\text{Station } 02011400 \text{ discharge})$
01624175	Elk Run at Route 835 near Parnassus, Va.	01629500	South Fork Shenandoah River at Route 211 near Luray, Va.	$\text{LOG}_{10}(\text{Station } 01624175 \text{ discharge}) = -5.277 + 1.787 \cdot \text{LOG}_{10}(\text{Station } 01629500 \text{ discharge})$
01624350	Middle River above Staunton-Verona wastewater outfall above Lewis Creek near Verona, Va.	01625000	Middle River at Route 769 near Grottoes, Va.	$\text{LOG}_{10}(\text{Station } 01624350 \text{ discharge}) = -0.552 + 1.152 \cdot \text{LOG}_{10}(\text{Station } 01625000 \text{ discharge})$
01624550	Lewis Creek at Route 612 above mouth near Verona, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	$\text{LOG}_{10}(\text{Station } 01624550 \text{ discharge}) = 0.372 + 0.601 \cdot \text{LOG}_{10}(\text{Station } 01673550 \text{ discharge})$
01624880	Meadow Run at Woodlawn Village wastewater outfall near Hermitage, Va.	01626000	South River at Route 664 near Waynesboro, Va.	$\text{LOG}_{10}(\text{Station } 01624880 \text{ discharge}) = -1.110 + 0.972 \cdot \text{LOG}_{10}(\text{Station } 01626000 \text{ discharge})$
01624940	Middle River tributary 3 at Mount Sidney, Va.	01621050	Muddy Creek at Route 726 at Mount Clinton, Va.	$\text{LOG}_{10}(\text{Station } 01624940 \text{ discharge}) = -1.106 + 1.018 \cdot \text{LOG}_{10}(\text{Station } 01621050 \text{ discharge})$
01625200	Mill Creek at Route 671 near Port Republic, Va.	01632900	Smith Creek at Route 616 near New Market, Va.	$\text{LOG}_{10}(\text{Station } 01625200 \text{ discharge}) = -0.875 + 0.908 \cdot \text{LOG}_{10}(\text{Station } 01632900 \text{ discharge})$
01625847	South River at wastewater outfall at Stuarts Draft, Va.	01621050	Muddy Creek at Route 726 at Mount Clinton, Va.	$\text{LOG}_{10}(\text{Station } 01625847 \text{ discharge}) = 0.595 + 1.064 \cdot \text{LOG}_{10}(\text{Station } 01621050 \text{ discharge})$
01626900	Sawmill Run at Route 611 near Dooms, Va.	01660400	Aquia Creek at Route 641 near Garrisonville, Va.	$\text{LOG}_{10}(\text{Station } 01626900 \text{ discharge}) = -0.982 + 1.162 \cdot \text{LOG}_{10}(\text{Station } 01660400 \text{ discharge})$
01627100	Meadow Run at Fire Road near Crimora, Va.	01626000	South River at Route 664 near Waynesboro, Va.	$\text{LOG}_{10}(\text{Station } 01627100 \text{ discharge}) = -3.224 + 1.758 \cdot \text{LOG}_{10}(\text{Station } 01626000 \text{ discharge})$
01627400	Paine Run below Route 614 near Harrison, Va.	02021500	Maury River above Route 39 at Rockbridge Baths, Va.	$\text{LOG}_{10}(\text{Station } 01627400 \text{ discharge}) = -2.784 + 1.384 \cdot \text{LOG}_{10}(\text{Station } 02021500 \text{ discharge})$
01628080	Madison Run along Madison Run Road near Grottoes, Va.	02020500	Calfpasture River at Route 42 above Mill Creek, at Goshen, Va.	$\text{LOG}_{10}(\text{Station } 01628080 \text{ discharge}) = -1.261 + 0.942 \cdot \text{LOG}_{10}(\text{Station } 02020500 \text{ discharge})$
01628585	Cub Run at Route 33 at Penn Laird, Va.	02028500	Rockfish River at Route 634 near Greenfield, Va.	$\text{LOG}_{10}(\text{Station } 01628585 \text{ discharge}) = -0.362 + 0.582 \cdot \text{LOG}_{10}(\text{Station } 02028500 \text{ discharge})$
01628590	Cub Run tributary 2 above Lawyer Road wastewater outfall at Penn Laird, Va.	01621050	Muddy Creek at Route 726 at Mount Clinton, Va.	$\text{LOG}_{10}(\text{Station } 01628590 \text{ discharge}) = -1.672 + 1.169 \cdot \text{LOG}_{10}(\text{Station } 01621050 \text{ discharge})$
01628630	Cub Run at Route 650 at Rocky Bar near Island Ford, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	$\text{LOG}_{10}(\text{Station } 01628630 \text{ discharge}) = -2.262 + 1.275 \cdot \text{LOG}_{10}(\text{Station } 01644000 \text{ discharge})$
01628700	Twomile Run at Park Road near McGaheysville, Va.	01635500	Passage Creek above Route 55 near Buckton, Va.	$\text{LOG}_{10}(\text{Station } 01628700 \text{ discharge}) = -1.792 + 1.173 \cdot \text{LOG}_{10}(\text{Station } 01635500 \text{ discharge})$
01628800	South Fork Shenandoah River near Elkton, Va.	01631000	South Fork Shenandoah River below Route 619 at Front Royal, Va.	$\text{LOG}_{10}(\text{Station } 01628800 \text{ discharge}) = -0.150 + 1.004 \cdot \text{LOG}_{10}(\text{Station } 01631000 \text{ discharge})$
01628900	Hawksbill Creek tributary at Route 626 near Swift Run, Va.	02027000	Tye River at Route 158 near Lovingston, Va.	$\text{LOG}_{10}(\text{Station } 01628900 \text{ discharge}) = -2.359 + 1.087 \cdot \text{LOG}_{10}(\text{Station } 02027000 \text{ discharge})$
0162906760	Quail Run at Route 646 near McGaheysville, Va.	02011460	Back Creek above Route 600 near Sunrise, Va.	$\text{LOG}_{10}(\text{Station } 0162906760 \text{ discharge}) = -0.894 + 0.687 \cdot \text{LOG}_{10}(\text{Station } 02011460 \text{ discharge})$
0162909150	Boone Run at Route 636 near Elkton, Va.	01631000	South Fork Shenandoah River below Route 619 at Front Royal, Va.	$\text{LOG}_{10}(\text{Station } 0162909150 \text{ discharge}) = -5.355 + 1.954 \cdot \text{LOG}_{10}(\text{Station } 01631000 \text{ discharge})$
01629120	East Branch Naked Creek along East Branch Naked Creek Trail near Jollett, Va.	01629500	South Fork Shenandoah River at Route 211 near Luray, Va.	$\text{LOG}_{10}(\text{Station } 01629120 \text{ discharge}) = -4.872 + 1.818 \cdot \text{LOG}_{10}(\text{Station } 01629500 \text{ discharge})$
01629920	Little Hawksbill Creek tributary at Big Fill Hollow near Ida, Va.	01668000	Rappahannock River below Motts Run near Fredericksburg, Va.	$\text{LOG}_{10}(\text{Station } 01629920 \text{ discharge}) = -4.233 + 1.356 \cdot \text{LOG}_{10}(\text{Station } 01668000 \text{ discharge})$
01630540	Hawksbill Creek at Route 648 at Springfield, Va.	01627500	South River at Route 778 at Harrison, Va.	$\text{LOG}_{10}(\text{Station } 01630540 \text{ discharge}) = -0.282 + 0.911 \cdot \text{LOG}_{10}(\text{Station } 01627500 \text{ discharge})$
01630542	Pass Run at Route 669 near Thornton Gap, Va.	01626000	South River at Route 664 near Waynesboro, Va.	$\text{LOG}_{10}(\text{Station } 01630542 \text{ discharge}) = -2.670 + 1.447 \cdot \text{LOG}_{10}(\text{Station } 01626000 \text{ discharge})$
01630544	Pass Run at mouth near Springfield, Va.	01634000	North Fork Shenandoah River at Route 55 near Strasburg, Va.	$\text{LOG}_{10}(\text{Station } 01630544 \text{ discharge}) = -1.922 + 1.111 \cdot \text{LOG}_{10}(\text{Station } 01634000 \text{ discharge})$
01630585	Jeremys Run at Route 611 near Oak Hill, Va.	01664000	Rappahannock River at Route 29 (Alternate) at Remington, Va.	$\text{LOG}_{10}(\text{Station } 01630585 \text{ discharge}) = -5.993 + 2.526 \cdot \text{LOG}_{10}(\text{Station } 01664000 \text{ discharge})$
01630620	Overall Run off Overall Run Trail near Bentonville, Va.	01626850	South River at Hopeman Parkway near Dooms, Va.	$\text{LOG}_{10}(\text{Station } 01630620 \text{ discharge}) = -5.158 + 2.446 \cdot \text{LOG}_{10}(\text{Station } 01626850 \text{ discharge})$
01630649	Phils Arm Run above Route 631 near Browntown, Va.	02028500	Rockfish River at Route 634 near Greenfield, Va.	$\text{LOG}_{10}(\text{Station } 01630649 \text{ discharge}) = -2.863 + 1.437 \cdot \text{LOG}_{10}(\text{Station } 02028500 \text{ discharge})$

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[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Number of X-Y pairs	Distance between sites (mi)	Rsquare	Spearman ρ	LOC slope lower confidence limit	LOC slope upper confidence limit
Station number	Station description	Station number	Station description						
01622468	Jennings Branch at Whites Store above Stoutameyer Branch near Lone Fountain, Va.	02011400	Jackson River along Route 603 near Bacova, Va.	9	25.4	0.84	0.93	1.76	6.35
01624175	Elk Run at Route 835 near Parnassus, Va.	01629500	South Fork Shenandoah River at Route 211 near Luray, Va.	11	10.9	0.93	0.98	1.31	2.43
01624350	Middle River above Staunton-Verona wastewater outfall above Lewis Creek near Verona, Va.	01625000	Middle River at Route 769 near Grottoes, Va.	10	4.50	0.97	0.95	0.94	1.42
01624550	Lewis Creek at Route 612 above mouth near Verona, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	10	99.6	0.92	0.95	0.34	0.79
01624880	Meadow Run at Woodlawn Village wastewater outfall near Hermitage, Va.	01626000	South River at Route 664 near Waynesboro, Va.	10	10.8	0.91	0.95	0.67	1.42
01624940	Middle River tributary 3 at Mount Sidney, Va.	01621050	Muddy Creek at Route 726 at Mount Clinton, Va.	10	18.9	0.99	0.92	0.88	1.17
01625200	Mill Creek at Route 671 near Port Republic, Va.	01632900	Smith Creek at Route 616 near New Market, Va.	10	13.6	0.87	0.92	0.75	1.10
01625847	South River at wastewater outfall at Stuarts Draft, Va.	01621050	Muddy Creek at Route 726 at Mount Clinton, Va.	10	38.2	0.93	0.92	0.79	1.44
01626900	Sawmill Run at Route 611 near Dooms, Va.	01660400	Aquia Creek at Route 641 near Garrisonville, Va.	10	74.4	0.98	0.92	1.04	1.30
01627100	Meadow Run at Fire Road near Crimora, Va.	01626000	South River at Route 664 near Waynesboro, Va.	19	18.8	0.93	0.97	1.44	2.14
01627400	Paine Run below Route 614 near Harrison, Va.	02021500	Maury River above Route 39 at Rockbridge Baths, Va.	25	36.4	0.95	0.95	1.20	1.60
01628080	Madison Run along Madison Run Road near Grottoes, Va.	02020500	Calfpasture River at Route 42 above Mill Creek, at Goshen, Va.	13	35.2	0.98	0.97	0.83	1.07
01628585	Cub Run at Route 33 at Penn Laird, Va.	02028500	Rockfish River at Route 634 near Greenfield, Va.	12	34.0	0.93	--	0.44	0.77
01628590	Cub Run tributary 2 above Lawyer Road wastewater outfall at Penn Laird, Va.	01621050	Muddy Creek at Route 726 at Mount Clinton, Va.	9	12.0	0.89	0.89	0.91	2.52
01628630	Cub Run at Route 650 at Rocky Bar near Island Ford, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	10	66.9	0.93	1.00	0.90	1.80
01628700	Twomile Run at Park Road near McGaheysville, Va.	01635500	Passage Creek above Route 55 near Buckton, Va.	10	36.9	0.96	1.00	1.05	1.49
01628800	South Fork Shenandoah River near Elkton, Va.	01631000	South Fork Shenandoah River below Route 619 at Front Royal, Va.	15	11.2	0.95	0.97	0.83	1.22
01628900	Hawksbill Creek tributary at Route 626 near Swift Run, Va.	02027000	Tye River at Route 158 near Lovingston, Va.	19	43.0	0.96	0.98	0.94	1.26
0162906760	Quail Run at Route 646 near McGaheysville, Va.	02011460	Back Creek above Route 600 near Sunrise, Va.	15	54.4	0.83	0.90	0.45	1.04
0162909150	Boone Run at Route 636 near Elkton, Va.	01631000	South Fork Shenandoah River below Route 619 at Front Royal, Va.	12	10.3	0.95	--	1.55	2.46
01629120	East Branch Naked Creek along East Branch Naked Creek Trail near Jollett, Va.	01629500	South Fork Shenandoah River at Route 211 near Luray, Va.	18	29.3	0.87	0.94	1.33	2.49
01629920	Little Hawksbill Creek tributary at Big Fill Hollow near Ida, Va.	01668000	Rappahannock River below Motts Run near Fredericksburg, Va.	19	20.4	0.96	0.96	1.17	1.57
01630540	Hawksbill Creek at Route 648 at Springfield, Va.	01627500	South River at Route 778 at Harrison, Va.	19	48.4	0.93	0.89	0.74	1.12
01630542	Pass Run at Route 669 near Thornton Gap, Va.	01626000	South River at Route 664 near Waynesboro, Va.	19	59.8	0.95	0.97	1.22	1.71
01630544	Pass Run at mouth near Springfield, Va.	01634000	North Fork Shenandoah River at Route 55 near Strasburg, Va.	10	21.0	0.96	0.97	0.88	1.41
01630585	Jeremys Run at Route 611 near Oak Hill, Va.	01664000	Rappahannock River at Route 29 (Alternate) at Remington, Va.	17	15.3	0.86	0.98	2.02	3.97
01630620	Overall Run off Overall Run Trail near Bentonville, Va.	01626850	South River at Hopeman Parkway near Dooms, Va.	15	66.6	0.89	0.96	1.80	3.33
01630649	Phils Arm Run above Route 631 near Browntown, Va.	02028500	Rockfish River at Route 634 near Greenfield, Va.	19	67.7	0.92	0.95	1.14	1.81

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		LOG10 low-flow expressed as a function of index-record streamgaging station LOG10 discharge using the MOVE.1 method
Station number	Station description	Station number	Station description	
01630680	Lands Run at Lands Run Road near Browntown, Va.	01662800	Battle Run at Route 729 near Laurel Mills, Va.	$\text{LOG}_{10}(\text{Station } 01630680 \text{ discharge}) = -1.142 + 1.033 \cdot \text{LOG}_{10}(\text{Station } 01662800 \text{ discharge})$
01631500	North Fork Shenandoah River at Route 917 at Fulks Run, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	$\text{LOG}_{10}(\text{Station } 01631500 \text{ discharge}) = -1.629 + 1.928 \cdot \text{LOG}_{10}(\text{Station } 01634500 \text{ discharge})$
01632080	Linville Creek at Route 786 at Broadway, Va.	01628500	South Fork Shenandoah River below Lower Lewis Run near Lynnwood, Va.	$\text{LOG}_{10}(\text{Station } 01632080 \text{ discharge}) = -6.230 + 2.700 \cdot \text{LOG}_{10}(\text{Station } 01628500 \text{ discharge})$
01632300	Long Meadow (Long Glade) at Route 259 near Broadway, Va.	01634000	North Fork Shenandoah River at Route 55 near Strasburg, Va.	$\text{LOG}_{10}(\text{Station } 01632300 \text{ discharge}) = -7.490 + 3.041 \cdot \text{LOG}_{10}(\text{Station } 01634000 \text{ discharge})$
01632825	Fridley Run at Fridley Gap near Lacy Spring, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	$\text{LOG}_{10}(\text{Station } 01632825 \text{ discharge}) = -1.914 + 0.796 \cdot \text{LOG}_{10}(\text{Station } 01667500 \text{ discharge})$
01632833	Mountain Run at Route 620 near Lacy Spring, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	$\text{LOG}_{10}(\text{Station } 01632833 \text{ discharge}) = -0.347 + 0.560 \cdot \text{LOG}_{10}(\text{Station } 01634500 \text{ discharge})$
01632890	Smith Creek at Route 794 near Lacey Spring, Va.	01628500	South Fork Shenandoah River below Lower Lewis Run near Lynnwood, Va.	$\text{LOG}_{10}(\text{Station } 01632890 \text{ discharge}) = -0.723 + 0.834 \cdot \text{LOG}_{10}(\text{Station } 01628500 \text{ discharge})$
01633100	Stony Creek tributary at Route 263 at Orkney Springs, Va.	01622000	North River along Route 693 near Burketown, Va.	$\text{LOG}_{10}(\text{Station } 01633100 \text{ discharge}) = -3.584 + 1.235 \cdot \text{LOG}_{10}(\text{Station } 01622000 \text{ discharge})$
01633485	Stony Creek along Route 717 near Liberty Furnace, Va.	01635500	Passage Creek above Route 55 near Buckton, Va.	$\text{LOG}_{10}(\text{Station } 01633485 \text{ discharge}) = 0.020 + 0.851 \cdot \text{LOG}_{10}(\text{Station } 01635500 \text{ discharge})$
01633510	Swover Creek at Route 42 near Conicville, Va.	01484800	Guy Creek at Route 606 near Nassawadox, Va.	$\text{LOG}_{10}(\text{Station } 01633510 \text{ discharge}) = -0.290 + 0.645 \cdot \text{LOG}_{10}(\text{Station } 01484800 \text{ discharge})$
01633540	Stony Creek at Route 11 at Edinburg, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	$\text{LOG}_{10}(\text{Station } 01633540 \text{ discharge}) = 0.694 + 0.617 \cdot \text{LOG}_{10}(\text{Station } 01634500 \text{ discharge})$
01633730	Toms Brook at Route 11 at Toms Brook, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	$\text{LOG}_{10}(\text{Station } 01633730 \text{ discharge}) = -1.290 + 1.137 \cdot \text{LOG}_{10}(\text{Station } 01634500 \text{ discharge})$
01633745	Toms Brook at Route 747 near Toms Brook, Va.	01615000	Opequon Creek above Route 7 near Berryville, Va.	$\text{LOG}_{10}(\text{Station } 01633745 \text{ discharge}) = -0.576 + 1.016 \cdot \text{LOG}_{10}(\text{Station } 01615000 \text{ discharge})$
01634340	Cedar Creek near Lebanon Church, Va.	01633000	North Fork Shenandoah River at Route 698 at Mt. Jackson, Va.	$\text{LOG}_{10}(\text{Station } 01634340 \text{ discharge}) = -0.921 + 1.031 \cdot \text{LOG}_{10}(\text{Station } 01633000 \text{ discharge})$
01635005	Fawcett Run below Marlboro Spring at Marlboro, Va.	01626000	South River at Route 664 near Waynesboro, Va.	$\text{LOG}_{10}(\text{Station } 01635005 \text{ discharge}) = -0.693 + 0.687 \cdot \text{LOG}_{10}(\text{Station } 01626000 \text{ discharge})$
01635008	Fawcett Run above mouth at Marlboro, Va.	01626000	South River at Route 664 near Waynesboro, Va.	$\text{LOG}_{10}(\text{Station } 01635008 \text{ discharge}) = -0.696 + 0.680 \cdot \text{LOG}_{10}(\text{Station } 01626000 \text{ discharge})$
01635045	Buffalo Marsh Run at Route 627 near Middletown, Va.	01631000	South Fork Shenandoah River below Route 619 at Front Royal, Va.	$\text{LOG}_{10}(\text{Station } 01635045 \text{ discharge}) = -1.552 + 0.653 \cdot \text{LOG}_{10}(\text{Station } 01631000 \text{ discharge})$
01635070	Vaucluse Spring near Middletown, Va.	01632082	Linville Creek below Route 786 at Broadway, Va.	$\text{LOG}_{10}(\text{Station } 01635070 \text{ discharge}) = -0.147 + 0.414 \cdot \text{LOG}_{10}(\text{Station } 01632082 \text{ discharge})$
01635100	Cedar Creek at Route 635 near Strasburg, Va.	02011500	Back Creek along Route 39 near Mountain Grove, Va.	$\text{LOG}_{10}(\text{Station } 01635100 \text{ discharge}) = 0.754 + 0.492 \cdot \text{LOG}_{10}(\text{Station } 02011500 \text{ discharge})$
01636228	Crooked Run above Route 627 at Cedarville, Va.	01634000	North Fork Shenandoah River at Route 55 near Strasburg, Va.	$\text{LOG}_{10}(\text{Station } 01636228 \text{ discharge}) = -1.116 + 0.661 \cdot \text{LOG}_{10}(\text{Station } 01634000 \text{ discharge})$
01636240	Crooked Run at Route 340 at Riverton, Va.	01668000	Rappahannock River below Motts Run near Fredericksburg, Va.	$\text{LOG}_{10}(\text{Station } 01636240 \text{ discharge}) = -1.056 + 0.712 \cdot \text{LOG}_{10}(\text{Station } 01668000 \text{ discharge})$
01636266	Manassas Run at Route 79 near Linden, Va.	01664000	Rappahannock River at Route 29 (Alternate) at Remington, Va.	$\text{LOG}_{10}(\text{Station } 01636266 \text{ discharge}) = -2.637 + 1.204 \cdot \text{LOG}_{10}(\text{Station } 01664000 \text{ discharge})$
01636283	Wrights Branch tributary (Lions Club Springs) below Jeep trail near Stone Bridge, Va.	01643700	Goose Creek at Route 611 near Middleburg, Va.	$\text{LOG}_{10}(\text{Station } 01636283 \text{ discharge}) = -3.397 + 0.915 \cdot \text{LOG}_{10}(\text{Station } 01643700 \text{ discharge})$
01636295	Roseville Run at Boyce wastewater outfall below Route 340 at Boyce, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	$\text{LOG}_{10}(\text{Station } 01636295 \text{ discharge}) = -3.542 + 2.908 \cdot \text{LOG}_{10}(\text{Station } 02022500 \text{ discharge})$
01636300	Westbrook Run at Route 340 near Boyce, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	$\text{LOG}_{10}(\text{Station } 01636300 \text{ discharge}) = -0.963 + 0.600 \cdot \text{LOG}_{10}(\text{Station } 01634500 \text{ discharge})$
01636320	Giuliani Springs near Ashby Gap, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	$\text{LOG}_{10}(\text{Station } 01636320 \text{ discharge}) = -3.833 + 1.248 \cdot \text{LOG}_{10}(\text{Station } 01634500 \text{ discharge})$
01636336	Buck Marsh Run above Route 340 at Berryville, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	$\text{LOG}_{10}(\text{Station } 01636336 \text{ discharge}) = -0.895 + 0.452 \cdot \text{LOG}_{10}(\text{Station } 02030000 \text{ discharge})$

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Number of X-Y pairs	Distance between sites (mi)	Rsquare	Spearman ρ	LOC slope lower confidence limit	LOC slope upper confidence limit
Station number	Station description	Station number	Station description						
01630680	Lands Run at Lands Run Road near Browntown, Va.	01662800	Battle Run at Route 729 near Laurel Mills, Va.	19	9.28	0.94	0.99	0.86	1.24
01631500	North Fork Shenandoah River at Route 917 at Fulks Run, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	12	35.5	0.78	--	1.00	3.70
01632080	Linville Creek at Route 786 at Broadway, Va.	01628500	South Fork Shenandoah River below Lower Lewis Run near Lynnwood, Va.	10	22.0	0.85	0.85	1.55	4.70
01632300	Long Meadow (Long Glade) at Route 259 near Broadway, Va.	01634000	North Fork Shenandoah River at Route 55 near Strasburg, Va.	10	12.3	0.59	0.85	1.20	7.00
01632825	Fridley Run at Fridley Gap near Lacy Spring, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	12	25.2	0.62	--	0.18	3.47
01632833	Mountain Run at Route 620 near Lacy Spring, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	12	42.6	0.82	--	0.33	0.95
01632890	Smith Creek at Route 794 near Lacey Spring, Va.	01628500	South Fork Shenandoah River below Lower Lewis Run near Lynnwood, Va.	12	24.1	0.98	--	0.71	0.98
01633100	Stony Creek tributary at Route 263 at Orkney Springs, Va.	01622000	North River along Route 693 near Burketown, Va.	10	28.1	0.95	0.90	0.93	1.65
01633485	Stony Creek along Route 717 near Liberty Furnace, Va.	01635500	Passage Creek above Route 55 near Buckton, Va.	22	17.0	0.84	0.83	0.62	1.16
01633510	Swover Creek at Route 42 near Conicville, Va.	01484800	Guy Creek at Route 606 near Nassawadox, Va.	6	179	0.96	1.00	0.51	1.20
01633540	Stony Creek at Route 11 at Edinburg, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	14	20.1	0.96	0.96	0.51	0.74
01633730	Toms Brook at Route 11 at Toms Brook, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	24	7.33	0.82	0.82	0.82	1.57
01633745	Toms Brook at Route 747 near Toms Brook, Va.	01615000	Opequon Creek above Route 7 near Berryville, Va.	16	20.4	0.92	0.93	0.79	1.30
01634340	Cedar Creek near Lebanon Church, Va.	01633000	North Fork Shenandoah River at Route 698 at Mt. Jackson, Va.	16	31.3	0.98	0.97	0.91	1.17
01635005	Fawcett Run below Marlboro Spring at Marlboro, Va.	01626000	South River at Route 664 near Waynesboro, Va.	28	87.8	0.79	0.85	0.50	0.95
01635008	Fawcett Run above mouth at Marlboro, Va.	01626000	South River at Route 664 near Waynesboro, Va.	30	87.8	0.83	0.89	0.52	0.88
01635045	Buffalo Marsh Run at Route 627 near Middletown, Va.	01631000	South Fork Shenandoah River below Route 619 at Front Royal, Va.	13	59.6	0.82	0.70	0.39	1.09
01635070	Vaucluse Spring near Middletown, Va.	01632082	Linville Creek below Route 786 at Broadway, Va.	30	--	0.77	0.77	0.30	0.57
01635100	Cedar Creek at Route 635 near Strasburg, Va.	02011500	Back Creek along Route 39 near Mountain Grove, Va.	13	94.2	0.81	0.97	0.29	0.82
01636228	Crooked Run above Route 627 at Cedarville, Va.	01634000	North Fork Shenandoah River at Route 55 near Strasburg, Va.	10	37.7	0.97	0.96	0.54	0.81
01636240	Crooked Run at Route 340 at Riverton, Va.	01668000	Rappahannock River below Motts Run near Fredericksburg, Va.	10	37.7	0.91	0.82	0.56	0.90
01636266	Manassas Run at Route 79 near Linden, Va.	01664000	Rappahannock River at Route 29 (Alternate) at Remington, Va.	17	15.7	0.94	0.97	0.98	1.48
01636283	Wrights Branch tributary (Lions Club Springs) below Jeep trail near Stone Bridge, Va.	01643700	Goose Creek at Route 611 near Middleburg, Va.	21	6.18	0.90	0.91	1.08	1.74
01636295	Roseville Run at Boyce wastewater outfall below Route 340 at Boyce, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	10	116	0.93	0.91	2.10	4.02
01636300	Westbrook Run at Route 340 near Boyce, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	13	18.5	0.86	0.79	0.40	0.91
01636320	Giuliani Springs near Ashby Gap, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	21	--	0.91	0.94	1.01	1.57
01636336	Buck Marsh Run above Route 340 at Berryville, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	23	92.5	0.77	0.85	0.30	0.67

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		LOG10 low-flow expressed as a function of index-record streamgaging station LOG10 discharge using the MOVE.1 method
Station number	Station description	Station number	Station description	
01643643	Goose Creek at Route 17 at Delaplane, Va.	01633000	North Fork Shenandoah River at Route 698 at Mt. Jackson, Va.	$\text{LOG}_{10}(\text{Station } 01643643 \text{ discharge}) = -2.366 + 1.539 \cdot \text{LOG}_{10}(\text{Station } 01633000 \text{ discharge})$
01643800	North Fork Goose Creek at Route 722 near Lincoln, Va.	02028500	Rockfish River at Route 634 near Greenfield, Va.	$\text{LOG}_{10}(\text{Station } 01643800 \text{ discharge}) = -1.810 + 1.437 \cdot \text{LOG}_{10}(\text{Station } 02028500 \text{ discharge})$
01643988	Little River at Route 15 near Oatlands, Va.	01664000	Rappahannock River at Route 29 (Alternate) at Remington, Va.	$\text{LOG}_{10}(\text{Station } 01643988 \text{ discharge}) = -1.626 + 1.127 \cdot \text{LOG}_{10}(\text{Station } 01664000 \text{ discharge})$
01644010	Black Branch tributary 1 at mouth near Watson, Va.	01624300	Middle River at Route 742 near Verona, Va.	$\text{LOG}_{10}(\text{Station } 01644010 \text{ discharge}) = -4.782 + 1.654 \cdot \text{LOG}_{10}(\text{Station } 01624300 \text{ discharge})$
01644020	Black Branch tributary 2 near Watson, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	$\text{LOG}_{10}(\text{Station } 01644020 \text{ discharge}) = -3.708 + 1.064 \cdot \text{LOG}_{10}(\text{Station } 01667500 \text{ discharge})$
01644110	Sycolin Creek above mouth near Leesburg, Va.	01635500	Passage Creek above Route 55 near Buckton, Va.	$\text{LOG}_{10}(\text{Station } 01644110 \text{ discharge}) = -0.562 + 0.919 \cdot \text{LOG}_{10}(\text{Station } 01635500 \text{ discharge})$
01644133	Goose Creek at Route 7 near Ashburn, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	$\text{LOG}_{10}(\text{Station } 01644133 \text{ discharge}) = 0.141 + 0.956 \cdot \text{LOG}_{10}(\text{Station } 01644000 \text{ discharge})$
01644255	South Fork Broad Run at Route 621 at Arcola, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	$\text{LOG}_{10}(\text{Station } 01644255 \text{ discharge}) = -4.597 + 1.810 \cdot \text{LOG}_{10}(\text{Station } 01667500 \text{ discharge})$
01644300	Sugarland Run at Route 606 at Herndon, Va.	02017500	Johns Creek at Route 615 at New Castle, Va.	$\text{LOG}_{10}(\text{Station } 01644300 \text{ discharge}) = -3.202 + 1.739 \cdot \text{LOG}_{10}(\text{Station } 02017500 \text{ discharge})$
01645160	Nichols Run near Dranesville, Va.	01625000	Middle River at Route 769 near Grottoes, Va.	$\text{LOG}_{10}(\text{Station } 01645160 \text{ discharge}) = -1.698 + 0.911 \cdot \text{LOG}_{10}(\text{Station } 01625000 \text{ discharge})$
01645750	South Fork Little Difficult Run at Fox Mill Road near Fairfax, Va.	01666500	Robinson (Robertson) River at Route 614 near Locust Dale, Va.	$\text{LOG}_{10}(\text{Station } 01645750 \text{ discharge}) = -2.592 + 1.140 \cdot \text{LOG}_{10}(\text{Station } 01666500 \text{ discharge})$
01645800	Piney Branch above railroad at Vienna, Va.	01631000	South Fork Shenandoah River below Route 619 at Front Royal, Va.	$\text{LOG}_{10}(\text{Station } 01645800 \text{ discharge}) = -6.087 + 1.684 \cdot \text{LOG}_{10}(\text{Station } 01631000 \text{ discharge})$
01645888	Colvin Run tributary to tributary above Lake Anne at Reston, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 01645888 \text{ discharge}) = -1.533 + 0.780 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
01645900	Colvin Run at Hunter Mill Road at Reston (near Herndon), Va.	01646000	Difficult Run below Route 193 near Great Falls, Va.	$\text{LOG}_{10}(\text{Station } 01645900 \text{ discharge}) = -0.782 + 0.731 \cdot \text{LOG}_{10}(\text{Station } 01646000 \text{ discharge})$
01645950	Piney Run at Leesburg Pike at Reston, Va.	01646000	Difficult Run below Route 193 near Great Falls, Va.	$\text{LOG}_{10}(\text{Station } 01645950 \text{ discharge}) = -1.505 + 1.139 \cdot \text{LOG}_{10}(\text{Station } 01646000 \text{ discharge})$
01646200	Scott Run at Old Georgetown Pike near McLean, Va.	01646000	Difficult Run below Route 193 near Great Falls, Va.	$\text{LOG}_{10}(\text{Station } 01646200 \text{ discharge}) = -1.675 + 1.502 \cdot \text{LOG}_{10}(\text{Station } 01646000 \text{ discharge})$
01646305	Dead Run at Whann Avenue near McLean, Va.	01652500	Fourmile Run at Shirlington Road at Alexandria, Va.	$\text{LOG}_{10}(\text{Station } 01646305 \text{ discharge}) = -1.676 + 1.410 \cdot \text{LOG}_{10}(\text{Station } 01652500 \text{ discharge})$
01646600	Pimmit Run at Great Falls Road near Falls Church, Va.	01646000	Difficult Run below Route 193 near Great Falls, Va.	$\text{LOG}_{10}(\text{Station } 01646600 \text{ discharge}) = -1.625 + 0.825 \cdot \text{LOG}_{10}(\text{Station } 01646000 \text{ discharge})$
01646700	Pimmit Run below Kirby Road at Arlington, Va.	02027000	Tye River at Route 158 near Lovingson, Va.	$\text{LOG}_{10}(\text{Station } 01646700 \text{ discharge}) = -1.353 + 0.995 \cdot \text{LOG}_{10}(\text{Station } 02027000 \text{ discharge})$
01652400	Long Branch at South Carlyn Springs Road at Arlington, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 01652400 \text{ discharge}) = -2.606 + 2.063 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
01652600	Holmes Run at Route 50 at Merrifield, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 01652600 \text{ discharge}) = -1.937 + 1.615 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
01652610	Holmes Run at Sleepy Hollow Road near Annandale, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 01652610 \text{ discharge}) = -1.879 + 1.688 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
01652620	Tripps Run above South Washington Street at Falls Church, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 01652620 \text{ discharge}) = -2.057 + 1.797 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
01652645	Tripps Run tributary at Holmes Run Road near Falls Church, Va.	01646000	Difficult Run below Route 193 near Great Falls, Va.	$\text{LOG}_{10}(\text{Station } 01652645 \text{ discharge}) = -0.066 + 0.705 \cdot \text{LOG}_{10}(\text{Station } 01646000 \text{ discharge})$
01652650	Tripps Run at Sleepy Hollow Road near Falls Church, Va.	01646000	Difficult Run below Route 193 near Great Falls, Va.	$\text{LOG}_{10}(\text{Station } 01652650 \text{ discharge}) = -2.424 + 1.866 \cdot \text{LOG}_{10}(\text{Station } 01646000 \text{ discharge})$
01652690	Holmes Run above Route 236 at Alexandria, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 01652690 \text{ discharge}) = -0.676 + 1.343 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
01652710	Backlick Run at Leesville Boulevard at Springfield, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 01652710 \text{ discharge}) = -1.925 + 1.610 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
01652910	Backlick Run below South Van Dorn Street at Alexandria, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	$\text{LOG}_{10}(\text{Station } 01652910 \text{ discharge}) = -1.377 + 0.789 \cdot \text{LOG}_{10}(\text{Station } 01667500 \text{ discharge})$
01653210	Pike Branch at Route 611 at Alexandria, Va.	01656500	Broad Run at Route 29 at Buckland, Va.	$\text{LOG}_{10}(\text{Station } 01653210 \text{ discharge}) = -1.126 + 1.324 \cdot \text{LOG}_{10}(\text{Station } 01656500 \text{ discharge})$

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Number of X-Y pairs	Distance between sites (mi)	Rsquare	Spearman ρ	LOC slope lower confidence limit	LOC slope upper confidence limit
Station number	Station description	Station number	Station description						
01643643	Goose Creek at Route 17 at Delaplane, Va.	01633000	North Fork Shenandoah River at Route 698 at Mt. Jackson, Va.	17	49.8	0.93	0.96	1.24	1.91
01643800	North Fork Goose Creek at Route 722 near Lincoln, Va.	02028500	Rockfish River at Route 634 near Greenfield, Va.	13	102	0.94	0.96	1.11	1.86
01643988	Little River at Route 15 near Oatlands, Va.	01664000	Rappahannock River at Route 29 (Alternate) at Remington, Va.	23	26.2	0.88	0.94	0.88	1.45
01644010	Black Branch tributary 1 at mouth near Watson, Va.	01624300	Middle River at Route 742 near Verona, Va.	18	103	0.93	0.95	1.34	2.04
01644020	Black Branch tributary 2 near Watson, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	12	58.2	0.99	--	0.95	1.20
01644110	Sycolin Creek above mouth near Leesburg, Va.	01635500	Passage Creek above Route 55 near Buckton, Va.	13	48.8	0.94	0.94	0.72	1.18
01644133	Goose Creek at Route 7 near Ashburn, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	11	1.75	0.99	0.95	0.88	1.04
01644255	South Fork Broad Run at Route 621 at Arcola, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	15	55.0	0.85	0.91	1.23	2.66
01644300	Sugarland Run at Route 606 at Herndon, Va.	02017500	Johns Creek at Route 615 at New Castle, Va.	19	190	0.79	0.79	1.24	2.92
01645160	Nichols Run near Dranesville, Va.	01625000	Middle River at Route 769 near Grottoes, Va.	10	113	0.93	0.99	0.65	1.28
01645750	South Fork Little Difficult Run at Fox Mill Road near Fairfax, Va.	01666500	Robinson (Robertson) River at Route 614 near Locust Dale, Va.	19	56.9	0.93	0.89	0.94	1.39
01645800	Piney Branch above railroad at Vienna, Va.	01631000	South Fork Shenandoah River below Route 619 at Front Royal, Va.	10	93.5	0.48	0.52	--	--
01645888	Colvin Run tributary to tributary above Lake Anne at Reston, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	10	9.12	0.82	0.88	0.41	1.48
01645900	Colvin Run at Hunter Mill Road at Reston (near Herndon), Va.	01646000	Difficult Run below Route 193 near Great Falls, Va.	10	2.55	0.89	0.88	0.58	0.93
01645950	Piney Run at Leesburg Pike at Reston, Va.	01646000	Difficult Run below Route 193 near Great Falls, Va.	10	4.33	0.92	0.88	0.84	1.54
01646200	Scott Run at Old Georgetown Pike near McLean, Va.	01646000	Difficult Run below Route 193 near Great Falls, Va.	10	5.10	0.81	0.88	1.23	1.83
01646305	Dead Run at Whann Avenue near McLean, Va.	01652500	Fourmile Run at Shirlington Road at Alexandria, Va.	10	6.05	0.85	0.88	1.00	2.07
01646600	Pimmit Run at Great Falls Road near Falls Church, Va.	01646000	Difficult Run below Route 193 near Great Falls, Va.	10	6.04	0.81	0.88	0.93	2.08
01646700	Pimmit Run below Kirby Road at Arlington, Va.	02027000	Tye River at Route 158 near Lovingson, Va.	10	125	0.86	0.88	0.73	1.35
01652400	Long Branch at South Carlyn Springs Road at Arlington, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	18	6.30	0.78	0.75	1.30	3.27
01652600	Holmes Run at Route 50 at Merrifield, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	88	2.95	0.86	0.87	1.42	1.84
01652610	Holmes Run at Sleepy Hollow Road near Annandale, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	60	3.00	0.90	0.87	1.52	1.97
01652620	Tripps Run above South Washington Street at Falls Church, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	77	4.31	0.68	0.63	1.39	2.32
01652645	Tripps Run tributary at Holmes Run Road near Falls Church, Va.	01646000	Difficult Run below Route 193 near Great Falls, Va.	13	8.67	0.59	0.51	0.33	6.36
01652650	Tripps Run at Sleepy Hollow Road near Falls Church, Va.	01646000	Difficult Run below Route 193 near Great Falls, Va.	38	7.66	0.89	0.86	1.68	2.37
01652690	Holmes Run above Route 236 at Alexandria, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	10	4.51	0.96	0.88	1.07	1.68
01652710	Backlick Run at Leesville Boulevard at Springfield, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	11	4.48	0.86	0.91	1.52	2.32
01652910	Backlick Run below South Van Dorn Street at Alexandria, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	21	67.1	0.72	0.78	0.48	1.30
01653210	Pike Branch at Route 611 at Alexandria, Va.	01656500	Broad Run at Route 29 at Buckland, Va.	19	35.4	0.86	0.85	1.02	1.92

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		LOG10 low-flow expressed as a function of index-record streamgaging station LOG10 discharge using the MOVE.1 method
Station number	Station description	Station number	Station description	
01653410	Taylor Run above Route 236 at Alexandria, Va.	01652500	Fourmile Run at Shirlington Road at Alexandria, Va.	$\text{LOG}_{10}(\text{Station } 01653410 \text{ discharge}) = -1.671 + 1.537 \cdot \text{LOG}_{10}(\text{Station } 01652500 \text{ discharge})$
01653447	Penn Daw outfall at Huntington Avenue at Alexandria, Va.	01664000	Rappahannock River at Route 29 (Alternate) at Remington, Va.	$\text{LOG}_{10}(\text{Station } 01653447 \text{ discharge}) = -1.724 + 0.415 \cdot \text{LOG}_{10}(\text{Station } 01664000 \text{ discharge})$
01653700	Little Hunting Creek at Route 1 at Gum Springs, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station } 01653700 \text{ discharge}) = -0.335 + 1.042 \cdot \text{LOG}_{10}(\text{Station } 01658500 \text{ discharge})$
01653800	Dogue Creek at Route 1 near Accotink, Va.	02030500	Slate River above Route 676 near Arvonnia, Va.	$\text{LOG}_{10}(\text{Station } 01653800 \text{ discharge}) = -2.262 + 1.314 \cdot \text{LOG}_{10}(\text{Station } 02030500 \text{ discharge})$
01653900	Accotink Creek at Pickett Street at Fairfax, Va.	01665500	Rapidan River below Route 29 near Ruckersville, Va.	$\text{LOG}_{10}(\text{Station } 01653900 \text{ discharge}) = -2.401 + 1.824 \cdot \text{LOG}_{10}(\text{Station } 01665500 \text{ discharge})$
01653950	Long Branch at Lee Route at Vienna, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 01653950 \text{ discharge}) = -2.478 + 1.673 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
01654650	Rocky Branch at mouth at Springfield, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 01654650 \text{ discharge}) = -2.017 + 1.280 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
01654750	Accotink Creek at Hoops Road near Springfield, Va.	01668500	Cat Point Creek below Route 637 near Montross, Va.	$\text{LOG}_{10}(\text{Station } 01654750 \text{ discharge}) = -0.516 + 1.316 \cdot \text{LOG}_{10}(\text{Station } 01668500 \text{ discharge})$
01655140	Accotink Creek at Telegraph Road near Accotink, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 01655140 \text{ discharge}) = 0.169 + 1.014 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
01655310	Rabbit Branch at Guinea Road near Burke, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 01655310 \text{ discharge}) = -1.097 + 1.092 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
01655330	Sideburn Branch at Poburn Road near Fairfax Station, Va.	01646000	Difficult Run below Route 193 near Great Falls, Va.	$\text{LOG}_{10}(\text{Station } 01655330 \text{ discharge}) = -1.818 + 1.247 \cdot \text{LOG}_{10}(\text{Station } 01646000 \text{ discharge})$
01655340	Pohick Creek tributary at Keene Mill Road near Burke, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 01655340 \text{ discharge}) = -1.996 + 1.234 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
01655350	Pohick Creek at Hoops Road near Springfield, Va.	01657000	Bull Run at Route 616 near Manassas, Va.	$\text{LOG}_{10}(\text{Station } 01655350 \text{ discharge}) = -0.416 + 1.095 \cdot \text{LOG}_{10}(\text{Station } 01657000 \text{ discharge})$
01655370	Middle Run at Route 640 near Lorton, Va.	01657000	Bull Run at Route 616 near Manassas, Va.	$\text{LOG}_{10}(\text{Station } 01655370 \text{ discharge}) = -1.175 + 1.122 \cdot \text{LOG}_{10}(\text{Station } 01657000 \text{ discharge})$
01655380	South Run at Hoops Road near Lorton, Va.	01657000	Bull Run at Route 616 near Manassas, Va.	$\text{LOG}_{10}(\text{Station } 01655380 \text{ discharge}) = -1.002 + 0.908 \cdot \text{LOG}_{10}(\text{Station } 01657000 \text{ discharge})$
01655390	Pohick Creek at Lorton Road at Lorton, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station } 01655390 \text{ discharge}) = 0.802 + 1.201 \cdot \text{LOG}_{10}(\text{Station } 01658500 \text{ discharge})$
01655925	Licking Run at Route 616 near Calverton, Va.	01659000	North Branch Chopawamsic Creek above Marine Road 1 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station } 01655925 \text{ discharge}) = -0.331 + 2.067 \cdot \text{LOG}_{10}(\text{Station } 01659000 \text{ discharge})$
01656200	Broad Run at Route 17 near Warrenton, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	$\text{LOG}_{10}(\text{Station } 01656200 \text{ discharge}) = -2.733 + 1.263 \cdot \text{LOG}_{10}(\text{Station } 01644000 \text{ discharge})$
0165665450	Broad Run tributary 2 inflow near Manassas, Va.	01660400	Aquia Creek at Route 641 near Garrisonville, Va.	$\text{LOG}_{10}(\text{Station } 0165665450 \text{ discharge}) = -2.816 + 1.844 \cdot \text{LOG}_{10}(\text{Station } 01660400 \text{ discharge})$
0165665455	Broad Run tributary 2 outflow near Manassas, Va.	01656000	Cedar Run at Route 806 near Catlett, Va.	$\text{LOG}_{10}(\text{Station } 0165665455 \text{ discharge}) = -3.054 + 1.617 \cdot \text{LOG}_{10}(\text{Station } 01656000 \text{ discharge})$
01656659	Kettle Run at Route 619 at Brentsville, Va.	01656000	Cedar Run at Route 806 near Catlett, Va.	$\text{LOG}_{10}(\text{Station } 01656659 \text{ discharge}) = -1.622 + 1.528 \cdot \text{LOG}_{10}(\text{Station } 01656000 \text{ discharge})$
01656670	Broad Run at Route 692 at Brentsville, Va.	02018000	Craig Creek at abandoned railroad bridge at Parr, Va.	$\text{LOG}_{10}(\text{Station } 01656670 \text{ discharge}) = -2.788 + 1.974 \cdot \text{LOG}_{10}(\text{Station } 02018000 \text{ discharge})$
01656705	Black Branch at Route 15 near Haymarket, Va.	01656725	Bull Run at Route 705 near Catharpin, Va.	$\text{LOG}_{10}(\text{Station } 01656705 \text{ discharge}) = -0.785 + 0.861 \cdot \text{LOG}_{10}(\text{Station } 01656725 \text{ discharge})$
01657600	Sandy Run at Henderson Road near Fairfax Station, Va.	01656000	Cedar Run at Route 806 near Catlett, Va.	$\text{LOG}_{10}(\text{Station } 01657600 \text{ discharge}) = -0.967 + 0.883 \cdot \text{LOG}_{10}(\text{Station } 01656000 \text{ discharge})$
01657800	Giles Run at Route 1 near Woodbridge, Va.	01664000	Rappahannock River at Route 29 (Alternate) at Remington, Va.	$\text{LOG}_{10}(\text{Station } 01657800 \text{ discharge}) = -2.368 + 1.183 \cdot \text{LOG}_{10}(\text{Station } 01664000 \text{ discharge})$
01657865	Neabsco Creek tributary above Prince William Parkway at Dale City, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 01657865 \text{ discharge}) = -2.166 + 1.179 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
01657870	Neabsco Creek tributary to tributary 1 at Dale City, Va.	01669520	Dragon Swamp at Route 603 at Mascot, Va.	$\text{LOG}_{10}(\text{Station } 01657870 \text{ discharge}) = -2.907 + 1.070 \cdot \text{LOG}_{10}(\text{Station } 01669520 \text{ discharge})$
01657882	Neabsco Creek tributary below Prince William Parkway at Dale City, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 01657882 \text{ discharge}) = -1.781 + 1.059 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
01658450	Quantico Creek at Burma Fire Road near Independent Hill, Va.	01656100	Cedar Run at Route 611 near Aden, Va.	$\text{LOG}_{10}(\text{Station } 01658450 \text{ discharge}) = -1.092 + 0.791 \cdot \text{LOG}_{10}(\text{Station } 01656100 \text{ discharge})$
01658460	Quantico Creek at Camp 4 near Dumfries, Va.	01656100	Cedar Run at Route 611 near Aden, Va.	$\text{LOG}_{10}(\text{Station } 01658460 \text{ discharge}) = -0.675 + 0.682 \cdot \text{LOG}_{10}(\text{Station } 01656100 \text{ discharge})$

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Number of X-Y pairs	Distance between sites (mi)	Rsquare	Spearman ρ	LOC slope lower confidence limit	LOC slope upper confidence limit
Station number	Station description	Station number	Station description						
01653410	Taylor Run above Route 236 at Alexandria, Va.	01652500	Fourmile Run at Shirlington Road at Alexandria, Va.	14	4.14	0.96	0.74	1.28	1.85
01653447	Penn Daw outfall at Huntington Avenue at Alexandria, Va.	01664000	Rappahannock River at Route 29 (Alternate) at Remington, Va.	19	53.8	0.75	0.74	0.26	0.67
01653700	Little Hunting Creek at Route 1 at Gum Springs, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	19	21.6	0.92	0.87	0.80	1.26
01653800	Dogue Creek at Route 1 near Accotink, Va.	02030500	Slate River above Route 676 near Arvonnia, Va.	21	112	0.91	0.93	1.06	1.63
01653900	Accotink Creek at Pickett Street at Fairfax, Va.	01665500	Rapidan River below Route 29 near Ruckersville, Va.	51	68.4	0.67	0.77	1.51	2.91
01653950	Long Branch at Lee Route at Vienna, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	30	2.32	0.85	0.84	1.34	2.20
01654650	Rocky Branch at mouth at Springfield, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	14	5.28	0.94	0.74	1.01	1.61
01654750	Accotink Creek at Hooes Road near Springfield, Va.	01668500	Cat Point Creek below Route 637 near Montross, Va.	14	56.0	0.84	0.76	0.93	1.86
01655140	Accotink Creek at Telegraph Road near Accotink, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	14	2.23	0.99	0.76	0.94	1.10
01655310	Rabbit Branch at Guinea Road near Burke, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	14	3.20	0.95	0.76	1.07	1.39
01655330	Sideburn Branch at Poburn Road near Fairfax Station, Va.	01646000	Difficult Run below Route 193 near Great Falls, Va.	14	8.88	0.99	0.76	1.12	1.39
01655340	Pohick Creek tributary at Keene Mill Road near Burke, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	14	6.07	0.87	0.76	0.93	1.74
01655350	Pohick Creek at Hooes Road near Springfield, Va.	01657000	Bull Run at Route 616 near Manassas, Va.	44	14.5	0.45	0.53	0.53	2.27
01655370	Middle Run at Route 640 near Lorton, Va.	01657000	Bull Run at Route 616 near Manassas, Va.	49	16.6	0.51	0.56	0.66	1.97
01655380	South Run at Hooes Road near Lorton, Va.	01657000	Bull Run at Route 616 near Manassas, Va.	39	15.2	0.94	0.93	0.84	1.06
01655390	Pohick Creek at Lorton Road at Lorton, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	30	14.7	0.84	0.79	0.69	1.14
01655925	Licking Run at Route 616 near Calverton, Va.	01659000	North Branch Chopawamsic Creek above Marine Road 1 near Independent Hill, Va.	9	15.5	0.91	0.97	0.97	2.28
01656200	Broad Run at Route 17 near Warrenton, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	11	13.2	0.95	0.94	1.10	1.49
0165665450	Broad Run tributary 2 inflow near Manassas, Va.	01660400	Aquia Creek at Route 641 near Garrisonville, Va.	18	16.0	0.75	0.77	1.10	3.08
0165665455	Broad Run tributary 2 outflow near Manassas, Va.	01656000	Cedar Run at Route 806 near Catlett, Va.	16	14.3	0.68	0.78	0.78	3.34
01656659	Kettle Run at Route 619 at Brentsville, Va.	01656000	Cedar Run at Route 806 near Catlett, Va.	11	6.89	0.86	--	0.95	2.45
01656670	Broad Run at Route 692 at Brentsville, Va.	02018000	Craig Creek at abandoned railroad bridge at Parr, Va.	13	164	0.86	0.94	1.30	2.99
01656705	Black Branch at Route 15 near Haymarket, Va.	01656725	Bull Run at Route 705 near Catharpin, Va.	35	1.50	0.90	0.91	0.72	1.03
01657600	Sandy Run at Henderson Road near Fairfax Station, Va.	01656000	Cedar Run at Route 806 near Catlett, Va.	41	22.9	0.91	0.94	0.83	1.12
01657800	Giles Run at Route 1 near Woodbridge, Va.	01664000	Rappahannock River at Route 29 (Alternate) at Remington, Va.	32	44.1	0.86	0.92	0.94	1.48
01657865	Neabsco Creek tributary above Prince William Parkway at Dale City, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	21	14.1	0.86	0.90	0.88	1.59
01657870	Neabsco Creek tributary to tributary 1 at Dale City, Va.	01669520	Dragon Swamp at Route 603 at Mascot, Va.	21	68.6	0.49	0.77	--	--
01657882	Neabsco Creek tributary below Prince William Parkway at Dale City, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	21	14.1	0.70	0.77	0.60	1.88
01658450	Quantico Creek at Burma Fire Road near Independent Hill, Va.	01656100	Cedar Run at Route 611 near Aden, Va.	65	15.7	0.92	0.93	0.71	0.88
01658460	Quantico Creek at Camp 4 near Dumfries, Va.	01656100	Cedar Run at Route 611 near Aden, Va.	54	16.1	0.97	0.97	0.65	0.76

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		LOG10 low-flow expressed as a function of index-record streamgaging station LOG10 discharge using the MOVE.1 method
Station number	Station description	Station number	Station description	
01658475	Quantico Creek above pyrite mine near Dumfries, Va.	01656000	Cedar Run at Route 806 near Catlett, Va.	$\text{LOG}_{10}(\text{Station } 01658475 \text{ discharge}) = -0.347 + 0.639 \cdot \text{LOG}_{10}(\text{Station } 01656000 \text{ discharge})$
01658510	South Fork Quantico Creek tributary 7 tributary at Oak Ridge campground near Independent Hill, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	$\text{LOG}_{10}(\text{Station } 01658510 \text{ discharge}) = -1.727 + 0.517 \cdot \text{LOG}_{10}(\text{Station } 01673800 \text{ discharge})$
01658530	South Fork Quantico Creek at Mawavi Road near Joplin, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station } 01658530 \text{ discharge}) = 0.027 + 0.993 \cdot \text{LOG}_{10}(\text{Station } 01658500 \text{ discharge})$
01658540	South Fork Quantico Creek tributary 8 at Camp 2 near Joplin, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station } 01658540 \text{ discharge}) = -1.065 + 0.581 \cdot \text{LOG}_{10}(\text{Station } 01658500 \text{ discharge})$
01658601	South Fork Quantico Creek tributary 1 at High Meadows Trail near Joplin, Va.	01622000	North River along Route 693 near Burkettown, Va.	$\text{LOG}_{10}(\text{Station } 01658601 \text{ discharge}) = -3.790 + 1.348 \cdot \text{LOG}_{10}(\text{Station } 01622000 \text{ discharge})$
01658603	South Fork Quantico Creek below tributary 1 near Joplin, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station } 01658603 \text{ discharge}) = 0.350 + 0.901 \cdot \text{LOG}_{10}(\text{Station } 01658500 \text{ discharge})$
01658610	South Fork Quantico Creek at Park Road near Joplin, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station } 01658610 \text{ discharge}) = 0.395 + 0.876 \cdot \text{LOG}_{10}(\text{Station } 01658500 \text{ discharge})$
01658615	Mary Bird Branch at Taylor Farm Road near Joplin, Va.	01657415	Bull Run above Yates Ford near Clifton, Va.	$\text{LOG}_{10}(\text{Station } 01658615 \text{ discharge}) = -2.688 + 0.780 \cdot \text{LOG}_{10}(\text{Station } 01657415 \text{ discharge})$
01658625	South Fork Quantico Creek tributary 5 at Orenda Fire Road near Dumfries, Va.	01656725	Bull Run at Route 705 near Catharpin, Va.	$\text{LOG}_{10}(\text{Station } 01658625 \text{ discharge}) = -1.020 + 0.449 \cdot \text{LOG}_{10}(\text{Station } 01656725 \text{ discharge})$
01660560	Potomac Creek at Route 1 near Brooke, Va.	01656500	Broad Run at Route 29 at Buckland, Va.	$\text{LOG}_{10}(\text{Station } 01660560 \text{ discharge}) = -0.372 + 1.112 \cdot \text{LOG}_{10}(\text{Station } 01656500 \text{ discharge})$
01661835	Hickman Run tributary above wastewater outfall at Flint Hill, Va.	01632000	North Fork Shenandoah River above Route 259 at Cootes Store, Va.	$\text{LOG}_{10}(\text{Station } 01661835 \text{ discharge}) = -2.273 + 0.881 \cdot \text{LOG}_{10}(\text{Station } 01632000 \text{ discharge})$
01661839	Jordan River at Route 637 near Flint Hill, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	$\text{LOG}_{10}(\text{Station } 01661839 \text{ discharge}) = -1.935 + 1.978 \cdot \text{LOG}_{10}(\text{Station } 01634500 \text{ discharge})$
01661840	Rappahannock River at Route 647 near Flint Hill, Va.	01664000	Rappahannock River at Route 29 (Alternate) at Remington, Va.	$\text{LOG}_{10}(\text{Station } 01661840 \text{ discharge}) = -2.047 + 1.429 \cdot \text{LOG}_{10}(\text{Station } 01664000 \text{ discharge})$
01661995	Carter Run at Route 688 near Jeffersonton, Va.	01663500	Hazel River at Route 229 at Rixeyville, Va.	$\text{LOG}_{10}(\text{Station } 01661995 \text{ discharge}) = -1.086 + 1.111 \cdot \text{LOG}_{10}(\text{Station } 01663500 \text{ discharge})$
01662050	Great Run tributary to tributary above wastewater outfall at Warrenton, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	$\text{LOG}_{10}(\text{Station } 01662050 \text{ discharge}) = -1.529 + 0.706 \cdot \text{LOG}_{10}(\text{Station } 01634500 \text{ discharge})$
01662065	Great Run at Route 687 near Turnbull, Va.	01656000	Cedar Run at Route 806 near Catlett, Va.	$\text{LOG}_{10}(\text{Station } 01662065 \text{ discharge}) = 0.377 + 0.474 \cdot \text{LOG}_{10}(\text{Station } 01656000 \text{ discharge})$
01662100	Hazel River along Hazel River Trail near Nethers, Va.	01643700	Goose Creek at Route 611 near Middleburg, Va.	$\text{LOG}_{10}(\text{Station } 01662100 \text{ discharge}) = -0.453 + 0.705 \cdot \text{LOG}_{10}(\text{Station } 01643700 \text{ discharge})$
01662110	Hazel River at Route 231 near Woodville, Va.	01620500	North River above Forest Road near Stokesville, Va.	$\text{LOG}_{10}(\text{Station } 01662110 \text{ discharge}) = 0.179 + 0.729 \cdot \text{LOG}_{10}(\text{Station } 01620500 \text{ discharge})$
01662160	Brokenback Run above Hughes River near Nethers, Va.	01662800	Battle Run at Route 729 near Laurel Mills, Va.	$\text{LOG}_{10}(\text{Station } 01662160 \text{ discharge}) = -0.566 + 1.059 \cdot \text{LOG}_{10}(\text{Station } 01662800 \text{ discharge})$
01662190	Ragged Run along Route 645 near Etlan, Va.	01626850	South River at Hopeman Parkway near Doods, Va.	$\text{LOG}_{10}(\text{Station } 01662190 \text{ discharge}) = -4.328 + 2.011 \cdot \text{LOG}_{10}(\text{Station } 01626850 \text{ discharge})$
01662310	Thornton River above Beech Spring Hollow near Sperryville, Va.	01656725	Bull Run at Route 705 near Catharpin, Va.	$\text{LOG}_{10}(\text{Station } 01662310 \text{ discharge}) = 0.435 + 0.499 \cdot \text{LOG}_{10}(\text{Station } 01656725 \text{ discharge})$
01662320	Thornton River above wastewater outfall at Sperryville, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	$\text{LOG}_{10}(\text{Station } 01662320 \text{ discharge}) = -1.047 + 1.182 \cdot \text{LOG}_{10}(\text{Station } 01634500 \text{ discharge})$
01662350	North Fork Thornton River along Forest Road near Sperryville, Va.	01662000	Rappahannock River at Route 211 near Warrenton, Va.	$\text{LOG}_{10}(\text{Station } 01662350 \text{ discharge}) = -1.687 + 1.188 \cdot \text{LOG}_{10}(\text{Station } 01662000 \text{ discharge})$
01662490	Rush River at Route 624 at Washington, Va.	01631000	South Fork Shenandoah River below Route 619 at Front Royal, Va.	$\text{LOG}_{10}(\text{Station } 01662490 \text{ discharge}) = -6.491 + 2.342 \cdot \text{LOG}_{10}(\text{Station } 01631000 \text{ discharge})$
01663750	Muddy Run at Route 729 near Norman, Va.	01652500	Fourmile Run at Shirlington Road at Alexandria, Va.	$\text{LOG}_{10}(\text{Station } 01663750 \text{ discharge}) = 0.105 + 0.600 \cdot \text{LOG}_{10}(\text{Station } 01652500 \text{ discharge})$
01663830	Muddy Run at Route 625 near Rixeyville, Va.	01652500	Fourmile Run at Shirlington Road at Alexandria, Va.	$\text{LOG}_{10}(\text{Station } 01663830 \text{ discharge}) = -0.411 + 1.506 \cdot \text{LOG}_{10}(\text{Station } 01652500 \text{ discharge})$
01664750	Marsh Run at Route 668 near Remington, Va.	01663500	Hazel River at Route 229 at Rixeyville, Va.	$\text{LOG}_{10}(\text{Station } 01664750 \text{ discharge}) = -5.846 + 2.635 \cdot \text{LOG}_{10}(\text{Station } 01663500 \text{ discharge})$

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Number of X-Y pairs	Distance between sites (mi)	Rsquare	Spearman ρ	LOC slope lower confidence limit	LOC slope upper confidence limit
Station number	Station description	Station number	Station description						
01658475	Quantico Creek above pyrite mine near Dumfries, Va.	01656000	Cedar Run at Route 806 near Catlett, Va.	51	19.6	0.96	0.96	0.71	0.83
01658510	South Fork Quantico Creek tributary 7 tributary at Oak Ridge campground near Independent Hill, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	9	30.7	0.37	0.41	--	--
01658530	South Fork Quantico Creek at Mawavi Road near Joplin, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	32	0.313	0.98	0.97	0.83	0.97
01658540	South Fork Quantico Creek tributary 8 at Camp 2 near Joplin, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	35	2.75	0.90	0.87	0.45	0.63
01658601	South Fork Quantico Creek tributary 1 at High Meadows Trail near Joplin, Va.	01622000	North River along Route 693 near Burkettown, Va.	41	91.6	0.93	0.96	1.05	1.90
01658603	South Fork Quantico Creek below tributary 1 near Joplin, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	39	1.25	0.97	0.98	0.76	0.91
01658610	South Fork Quantico Creek at Park Road near Joplin, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	41	1.59	0.96	0.96	0.74	0.89
01658615	Mary Bird Branch at Taylor Farm Road near Joplin, Va.	01657415	Bull Run above Yates Ford near Clifton, Va.	13	19.1	0.92	0.96	0.71	1.29
01658625	South Fork Quantico Creek tributary 5 at Orenda Fire Road near Dumfries, Va.	01656725	Bull Run at Route 705 near Catharpin, Va.	39	28.0	0.93	0.92	0.44	0.57
01660560	Potomac Creek at Route 1 near Brooke, Va.	01656500	Broad Run at Route 29 at Buckland, Va.	72	30.7	0.85	0.86	1.02	1.36
01661835	Hickman Run tributary above wastewater outfall at Flint Hill, Va.	01632000	North Fork Shenandoah River above Route 259 at Cootes Store, Va.	9	45.9	0.80	0.87	0.63	3.15
01661839	Jordan River at Route 637 near Flint Hill, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	11	26.4	0.90	--	1.36	2.88
01661840	Rappahannock River at Route 647 near Flint Hill, Va.	01664000	Rappahannock River at Route 29 (Alternate) at Remington, Va.	11	9.41	0.96	0.97	1.26	1.63
01661995	Carter Run at Route 688 near Jeffersonton, Va.	01663500	Hazel River at Route 229 at Rixeyville, Va.	17	19.0	0.97	0.97	0.96	1.29
01662050	Great Run tributary to tributary above wastewater outfall at Warrenton, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	11	41.5	0.91	--	0.49	1.01
01662065	Great Run at Route 687 near Turnbull, Va.	01656000	Cedar Run at Route 806 near Catlett, Va.	12	5.40	0.98	--	0.41	0.55
01662100	Hazel River along Hazel River Trail near Nethers, Va.	01643700	Goose Creek at Route 611 near Middleburg, Va.	19	30.0	0.91	0.97	0.55	0.90
01662110	Hazel River at Route 231 near Woodville, Va.	01620500	North River above Forest Road near Stokesville, Va.	14	56.3	0.71	0.70	0.35	1.50
01662160	Brokenback Run above Hughes River near Nethers, Va.	01662800	Battle Run at Route 729 near Laurel Mills, Va.	25	15.9	0.97	0.97	0.96	1.17
01662190	Ragged Run along Route 645 near Etlan, Va.	01626850	South River at Hopeman Parkway near Dooms, Va.	19	53.6	0.94	0.96	1.67	2.42
01662310	Thornton River above Beech Spring Hollow near Sperryville, Va.	01656725	Bull Run at Route 705 near Catharpin, Va.	14	39.9	0.95	0.99	0.41	0.61
01662320	Thornton River above wastewater outfall at Sperryville, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	13	29.8	0.89	0.95	0.84	1.67
01662350	North Fork Thornton River along Forest Road near Sperryville, Va.	01662000	Rappahannock River at Route 211 near Warrenton, Va.	19	17.4	0.99	0.98	1.10	1.28
01662490	Rush River at Route 624 at Washington, Va.	01631000	South Fork Shenandoah River below Route 619 at Front Royal, Va.	18	44.1	0.93	0.98	1.88	2.91
01663750	Muddy Run at Route 729 near Norman, Va.	01652500	Fourmile Run at Shirlington Road at Alexandria, Va.	8	55.5	0.86	0.98	0.31	1.25
01663830	Muddy Run at Route 625 near Rixeyville, Va.	01652500	Fourmile Run at Shirlington Road at Alexandria, Va.	9	52.5	0.68	0.95	0.20	11.36
01664750	Marsh Run at Route 668 near Remington, Va.	01663500	Hazel River at Route 229 at Rixeyville, Va.	12	23.7	0.91	--	2.36	4.54

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		LOG10 low-flow expressed as a function of index-record streamgaging station LOG10 discharge using the MOVE.1 method
Station number	Station description	Station number	Station description	
01665220	Deep Run at Route 615 near Goldvein, Va.	01660400	Aquia Creek at Route 641 near Garrisonville, Va.	$\text{LOG}_{10}(\text{Station } 01665220 \text{ discharge}) = -0.565 + 1.100 \cdot \text{LOG}_{10}(\text{Station } 01660400 \text{ discharge})$
01665228	Deep Run at Route 17 near Goldvein, Va.	01663500	Hazel River at Route 229 at Rixeyville, Va.	$\text{LOG}_{10}(\text{Station } 01665228 \text{ discharge}) = -3.076 + 1.718 \cdot \text{LOG}_{10}(\text{Station } 01663500 \text{ discharge})$
01665270	Staunton River at mouth near Graves Mill, Va.	02027500	Piney River at Route 151 at Piney River, Va.	$\text{LOG}_{10}(\text{Station } 01665270 \text{ discharge}) = -1.424 + 1.263 \cdot \text{LOG}_{10}(\text{Station } 02027500 \text{ discharge})$
01665340	Conway River at Route 667 near Kinderhook, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	$\text{LOG}_{10}(\text{Station } 01665340 \text{ discharge}) = -2.265 + 1.316 \cdot \text{LOG}_{10}(\text{Station } 01667500 \text{ discharge})$
01665400	Conway River at Route 230 near Stanardsville, Va.	01665500	Rapidan River below Route 29 near Ruckersville, Va.	$\text{LOG}_{10}(\text{Station } 01665400 \text{ discharge}) = -1.932 + 1.700 \cdot \text{LOG}_{10}(\text{Station } 01665500 \text{ discharge})$
01665440	South River at Route 642 above Entry Run near McMullen, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	$\text{LOG}_{10}(\text{Station } 01665440 \text{ discharge}) = -3.266 + 1.551 \cdot \text{LOG}_{10}(\text{Station } 01667500 \text{ discharge})$
01665580	Blue Run at Route 641 near Somerset, Va.	01662800	Battle Run at Route 729 near Laurel Mills, Va.	$\text{LOG}_{10}(\text{Station } 01665580 \text{ discharge}) = -0.019 + 0.986 \cdot \text{LOG}_{10}(\text{Station } 01662800 \text{ discharge})$
01665710	Robinson River tributary at White Oak Canyon Trail near Syria, Va.	02030500	Slate River above Route 676 near Arvonnia, Va.	$\text{LOG}_{10}(\text{Station } 01665710 \text{ discharge}) = -3.727 + 2.069 \cdot \text{LOG}_{10}(\text{Station } 02030500 \text{ discharge})$
01665800	Rose River along Rose River Trail near Syria, Va.	01656725	Bull Run at Route 705 near Catharpin, Va.	$\text{LOG}_{10}(\text{Station } 01665800 \text{ discharge}) = 0.526 + 0.624 \cdot \text{LOG}_{10}(\text{Station } 01656725 \text{ discharge})$
01665850	Robinson River at Route 231 near Criglersville, Va.	01665500	Rapidan River below Route 29 near Ruckersville, Va.	$\text{LOG}_{10}(\text{Station } 01665850 \text{ discharge}) = -0.642 + 1.160 \cdot \text{LOG}_{10}(\text{Station } 01665500 \text{ discharge})$
01667650	Cedar Run at Route 522 near Culpeper, Va.	02017500	Johns Creek at Route 615 at New Castle, Va.	$\text{LOG}_{10}(\text{Station } 01667650 \text{ discharge}) = -3.265 + 2.379 \cdot \text{LOG}_{10}(\text{Station } 02017500 \text{ discharge})$
01667850	Mine Run at Route 611 at Burr Hill, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	$\text{LOG}_{10}(\text{Station } 01667850 \text{ discharge}) = -1.027 + 1.110 \cdot \text{LOG}_{10}(\text{Station } 01674000 \text{ discharge})$
01667890	Flat Run at Route 3 near Flat Run, Va.	01672500	South Anna River at Route 54 near Ashland, Va.	$\text{LOG}_{10}(\text{Station } 01667890 \text{ discharge}) = -3.478 + 1.590 \cdot \text{LOG}_{10}(\text{Station } 01672500 \text{ discharge})$
01667910	Wilderness Run at Route 3 at Wilderness, Va.	01635500	Passage Creek above Route 55 near Buckton, Va.	$\text{LOG}_{10}(\text{Station } 01667910 \text{ discharge}) = -1.082 + 1.136 \cdot \text{LOG}_{10}(\text{Station } 01635500 \text{ discharge})$
01668064	Massaponax Creek at Route 208 near Four Mile Fork, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	$\text{LOG}_{10}(\text{Station } 01668064 \text{ discharge}) = -2.022 + 1.161 \cdot \text{LOG}_{10}(\text{Station } 01674000 \text{ discharge})$
01668200	Gingoteague Run at Route 623 near Port Royal, Va.	01484800	Guy Creek at Route 606 near Nassawadox, Va.	$\text{LOG}_{10}(\text{Station } 01668200 \text{ discharge}) = -0.007 + 1.621 \cdot \text{LOG}_{10}(\text{Station } 01484800 \text{ discharge})$
0166828230	Occupacia Creek at Route 17 near Chance, Va.	01671100	Little River at Route 685 near Doswell, Va.	$\text{LOG}_{10}(\text{Station } 0166828230 \text{ discharge}) = 0.102 + 0.729 \cdot \text{LOG}_{10}(\text{Station } 01671100 \text{ discharge})$
01668300	Farmers Hall Creek at Route 17 near Champlain, Va.	01669000	Piscataway Creek at Route 691 near Tappahannock, Va.	$\text{LOG}_{10}(\text{Station } 01668300 \text{ discharge}) = -2.470 + 1.777 \cdot \text{LOG}_{10}(\text{Station } 01669000 \text{ discharge})$
01670010	Beaverdam Swamp tributary 2 at Route 606 at Ark, Va.	01670000	Beaverdam Swamp above Route 606 near Ark, Va.	$\text{LOG}_{10}(\text{Station } 01670010 \text{ discharge}) = -0.625 + 0.640 \cdot \text{LOG}_{10}(\text{Station } 01670000 \text{ discharge})$
01670020	Beaverdam Swamp at Route 616 at Gloucester, Va.	01670000	Beaverdam Swamp above Route 606 near Ark, Va.	$\text{LOG}_{10}(\text{Station } 01670020 \text{ discharge}) = 0.459 + 1.052 \cdot \text{LOG}_{10}(\text{Station } 01670000 \text{ discharge})$
01670120	Mountain Run at Route 643 near Gordonsville, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	$\text{LOG}_{10}(\text{Station } 01670120 \text{ discharge}) = -2.266 + 1.528 \cdot \text{LOG}_{10}(\text{Station } 02030000 \text{ discharge})$
01670145	Gold Mine Creek tributary to tributary 1 tributary at Louisa, Va.	01632082	Linville Creek below Route 786 at Broadway, Va.	$\text{LOG}_{10}(\text{Station } 01670145 \text{ discharge}) = -1.861 + 0.859 \cdot \text{LOG}_{10}(\text{Station } 01632082 \text{ discharge})$
01670320	Freshwater Creek above wastewater outfall at Mineral, Va.	01671100	Little River at Route 685 near Doswell, Va.	$\text{LOG}_{10}(\text{Station } 01670320 \text{ discharge}) = -1.680 + 0.674 \cdot \text{LOG}_{10}(\text{Station } 01671100 \text{ discharge})$
01670435	Northeast Creek at Route 622 near Partlow, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	$\text{LOG}_{10}(\text{Station } 01670435 \text{ discharge}) = -1.136 + 1.044 \cdot \text{LOG}_{10}(\text{Station } 01644000 \text{ discharge})$
01670500	North Anna River at Route 603 near Hewlett, Va.	01629500	South Fork Shenandoah River at Route 211 near Luray, Va.	$\text{LOG}_{10}(\text{Station } 01670500 \text{ discharge}) = -1.149 + 1.174 \cdot \text{LOG}_{10}(\text{Station } 01629500 \text{ discharge})$
01671025	North Anna River above Little River near Doswell, Va.	01671100	Little River at Route 685 near Doswell, Va.	$\text{LOG}_{10}(\text{Station } 01671025 \text{ discharge}) = 1.199 + 0.657 \cdot \text{LOG}_{10}(\text{Station } 01671100 \text{ discharge})$
01671200	South Anna River above wastewater outfall near Gordonsville, Va.	01671100	Little River at Route 685 near Doswell, Va.	$\text{LOG}_{10}(\text{Station } 01671200 \text{ discharge}) = -2.222 + 1.521 \cdot \text{LOG}_{10}(\text{Station } 01671100 \text{ discharge})$
01671680	South Anna River at Route 208 (formerly Route 659) near Louisa, Va.	01668000	Rappahannock River below Motts Run near Fredericksburg, Va.	$\text{LOG}_{10}(\text{Station } 01671680 \text{ discharge}) = -2.126 + 1.253 \cdot \text{LOG}_{10}(\text{Station } 01668000 \text{ discharge})$
01671925	Northeast Creek at Route 33 near Mineral, Va.	02027500	Piney River at Route 151 at Piney River, Va.	$\text{LOG}_{10}(\text{Station } 01671925 \text{ discharge}) = -2.503 + 1.802 \cdot \text{LOG}_{10}(\text{Station } 02027500 \text{ discharge})$
01672800	Newfound River at Route 685 near Ashland, Va.	01674500	Mattaponi River near Beulahville, Va.	$\text{LOG}_{10}(\text{Station } 01672800 \text{ discharge}) = -1.823 + 1.154 \cdot \text{LOG}_{10}(\text{Station } 01674500 \text{ discharge})$

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Number of X-Y pairs	Distance between sites (mi)	Rsquare	Spearman ρ	LOC slope lower confidence limit	LOC slope upper confidence limit
Station number	Station description	Station number	Station description						
01665220	Deep Run at Route 615 near Goldvein, Va.	01660400	Aquia Creek at Route 641 near Garrisonville, Va.	18	6.55	0.95	0.96	1.17	1.67
01665228	Deep Run at Route 17 near Goldvein, Va.	01663500	Hazel River at Route 229 at Rixeyville, Va.	9	31.6	0.95	1.00	1.57	2.89
01665270	Staunton River at mouth near Graves Mill, Va.	02027500	Piney River at Route 151 at Piney River, Va.	25	61.4	0.95	0.94	1.09	1.47
01665340	Conway River at Route 667 near Kinderhook, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	10	11.2	0.95	0.93	1.01	1.71
01665400	Conway River at Route 230 near Stanardsville, Va.	01665500	Rapidan River below Route 29 near Ruckersville, Va.	17	2.50	0.96	0.96	1.44	2.00
01665440	South River at Route 642 above Entry Run near McMullen, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	19	12.4	0.96	0.96	1.33	1.80
01665580	Blue Run at Route 641 near Somerset, Va.	01662800	Battle Run at Route 729 near Laurel Mills, Va.	17	37.1	0.89	0.97	0.74	1.32
01665710	Robinson River tributary at White Oak Canyon Trail near Syria, Va.	02030500	Slate River above Route 676 near Arvonnia, Va.	11	68.8	0.92	--	1.50	2.86
01665800	Rose River along Rose River Trail near Syria, Va.	01656725	Bull Run at Route 705 near Catharpin, Va.	19	49.4	0.94	0.95	0.52	0.75
01665850	Robinson River at Route 231 near Criglersville, Va.	01665500	Rapidan River below Route 29 near Ruckersville, Va.	14	9.33	0.92	0.90	0.88	1.53
01667650	Cedar Run at Route 522 near Culpeper, Va.	02017500	Johns Creek at Route 615 at New Castle, Va.	16	140	0.97	0.94	2.19	2.97
01667850	Mine Run at Route 611 at Burr Hill, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	22	16.6	0.90	0.95	0.88	1.40
01667890	Flat Run at Route 3 near Flat Run, Va.	01672500	South Anna River at Route 54 near Ashland, Va.	10	29.9	0.95	0.96	1.20	2.11
01667910	Wilderness Run at Route 3 at Wilderness, Va.	01635500	Passage Creek above Route 55 near Buckton, Va.	18	52.0	0.93	0.94	0.94	1.46
01668064	Massaponax Creek at Route 208 near Four Mile Fork, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	10	6.44	0.88	0.95	0.73	1.85
01668200	Gingoteague Run at Route 623 near Port Royal, Va.	01484800	Guy Creek at Route 606 near Nassawadox, Va.	15	85.7	0.88	0.91	1.16	2.28
0166828230	Occupacia Creek at Route 17 near Chance, Va.	01671100	Little River at Route 685 near Doswell, Va.	13	37.2	0.93	0.96	0.56	0.96
01668300	Farmers Hall Creek at Route 17 near Champlain, Va.	01669000	Piscataway Creek at Route 691 near Tappahannock, Va.	12	9.12	0.67	--	0.64	4.95
01670010	Beaverdam Swamp tributary 2 at Route 606 at Ark, Va.	01670000	Beaverdam Swamp above Route 606 near Ark, Va.	18	2.11	0.86	0.89	0.44	0.86
01670020	Beaverdam Swamp at Route 616 at Gloucester, Va.	01670000	Beaverdam Swamp above Route 606 near Ark, Va.	15	1.75	0.96	0.97	0.80	1.12
01670120	Mountain Run at Route 643 near Gordonsville, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	18	29.9	0.96	0.95	1.30	1.79
01670145	Gold Mine Creek tributary to tributary 1 tributary at Louisa, Va.	01632082	Linville Creek below Route 786 at Broadway, Va.	11	58.7	0.84	--	0.51	1.45
01670320	Freshwater Creek above wastewater outfall at Mineral, Va.	01671100	Little River at Route 685 near Doswell, Va.	13	11.1	0.86	0.81	0.65	1.47
01670435	Northeast Creek at Route 622 near Partlow, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	11	60.8	0.76	--	0.49	2.21
01670500	North Anna River at Route 603 near Hewlett, Va.	01629500	South Fork Shenandoah River at Route 211 near Luray, Va.	12	58.6	0.97	--	0.98	1.40
01671025	North Anna River above Little River near Doswell, Va.	01671100	Little River at Route 685 near Doswell, Va.	70	13.8	0.90	0.95	0.58	0.74
01671200	South Anna River above wastewater outfall near Gordonsville, Va.	01671100	Little River at Route 685 near Doswell, Va.	10	30.7	0.89	0.93	1.17	2.80
01671680	South Anna River at Route 208 (formerly Route 659) near Louisa, Va.	01668000	Rappahannock River below Motts Run near Fredericksburg, Va.	15	32.2	0.91	0.90	0.95	1.66
01671925	Northeast Creek at Route 33 near Mineral, Va.	02027500	Piney River at Route 151 at Piney River, Va.	12	66.3	0.84	--	1.11	2.91
01672800	Newfound River at Route 685 near Ashland, Va.	01674500	Mattaponi River near Beulahville, Va.	14	18.3	0.93	0.86	0.89	1.50

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		LOG10 low-flow expressed as a function of index-record streamgaging station LOG10 discharge using the MOVE.1 method
Station number	Station description	Station number	Station description	
01673010	Mechumps Creek at Route 301 at Hanover, Va.	01660000	South Branch Chopawamsic Creek below Marine Road 1 near Garrisonville, Va.	$\text{LOG}_{10}(\text{Station } 01673010 \text{ discharge}) = 1.027 + 0.724 \cdot \text{LOG}_{10}(\text{Station } 01660000 \text{ discharge})$
01673600	Matadequin Creek at Route 606 near Tunstall, Va.	01627500	South River at Route 778 at Harriston, Va.	$\text{LOG}_{10}(\text{Station } 01673600 \text{ discharge}) = -5.194 + 3.240 \cdot \text{LOG}_{10}(\text{Station } 01627500 \text{ discharge})$
01673610	Clopton Swamp tributary above Kenwood Farms wastewater outfall near Quinton, Va.	01660400	Aquia Creek at Route 641 near Garrisonville, Va.	$\text{LOG}_{10}(\text{Station } 01673610 \text{ discharge}) = -1.245 + 0.464 \cdot \text{LOG}_{10}(\text{Station } 01660400 \text{ discharge})$
01673960	Mat River at Route 647 near Marye, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	$\text{LOG}_{10}(\text{Station } 01673960 \text{ discharge}) = -1.954 + 1.288 \cdot \text{LOG}_{10}(\text{Station } 01674000 \text{ discharge})$
01674160	Polecat Creek at Route 601 at Cedar Fork, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	$\text{LOG}_{10}(\text{Station } 01674160 \text{ discharge}) = -2.411 + 1.252 \cdot \text{LOG}_{10}(\text{Station } 01673800 \text{ discharge})$
01674171	Polecat Creek tributary near Golansville, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	$\text{LOG}_{10}(\text{Station } 01674171 \text{ discharge}) = -1.426 + 1.109 \cdot \text{LOG}_{10}(\text{Station } 01673800 \text{ discharge})$
01674172	Polecat Creek at Route 652 near Ladysmith, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	$\text{LOG}_{10}(\text{Station } 01674172 \text{ discharge}) = -0.941 + 1.141 \cdot \text{LOG}_{10}(\text{Station } 01673800 \text{ discharge})$
01674174	Stevens Mill Run at Route 601 at Golansville, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	$\text{LOG}_{10}(\text{Station } 01674174 \text{ discharge}) = -1.412 + 0.980 \cdot \text{LOG}_{10}(\text{Station } 01674000 \text{ discharge})$
01674180	Polecat Creek at Route 601 at Penola, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	$\text{LOG}_{10}(\text{Station } 01674180 \text{ discharge}) = -0.332 + 0.871 \cdot \text{LOG}_{10}(\text{Station } 01674000 \text{ discharge})$
01674200	Reedy Creek at Route 301 near Dawn, Va.	01669000	Piscataway Creek at Route 691 near Tappahannock, Va.	$\text{LOG}_{10}(\text{Station } 01674200 \text{ discharge}) = -0.979 + 1.410 \cdot \text{LOG}_{10}(\text{Station } 01669000 \text{ discharge})$
01674250	Maracossic Creek at Route 721 at Sparta, Va.	01674500	Mattaponi River near Beulahville, Va.	$\text{LOG}_{10}(\text{Station } 01674250 \text{ discharge}) = -0.451 + 0.762 \cdot \text{LOG}_{10}(\text{Station } 01674500 \text{ discharge})$
01674350	Beverly Run at Route 630 near Alps, Va.	01674500	Mattaponi River near Beulahville, Va.	$\text{LOG}_{10}(\text{Station } 01674350 \text{ discharge}) = -0.625 + 0.858 \cdot \text{LOG}_{10}(\text{Station } 01674500 \text{ discharge})$
01674600	Herring Creek at Route 609 near Aylett, Va.	01674500	Mattaponi River near Beulahville, Va.	$\text{LOG}_{10}(\text{Station } 01674600 \text{ discharge}) = -0.840 + 0.679 \cdot \text{LOG}_{10}(\text{Station } 01674500 \text{ discharge})$
01675395	Tastine Swamp at Route 603 at Fork Shop, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station } 01675395 \text{ discharge}) = 0.341 + 0.585 \cdot \text{LOG}_{10}(\text{Station } 01658500 \text{ discharge})$
01677100	France Swamp at Route 606 near Toano, Va.	01674500	Mattaponi River near Beulahville, Va.	$\text{LOG}_{10}(\text{Station } 01677100 \text{ discharge}) = -0.815 + 0.614 \cdot \text{LOG}_{10}(\text{Station } 01674500 \text{ discharge})$
01677200	Skimino Creek below Barlows Pond at Route 646 near Lightfoot, Va.	01627500	South River at Route 778 at Harriston, Va.	$\text{LOG}_{10}(\text{Station } 01677200 \text{ discharge}) = -1.631 + 1.063 \cdot \text{LOG}_{10}(\text{Station } 01627500 \text{ discharge})$
02010500	Muddy Run Spring near Warm Springs, Va.	01627500	South River at Route 778 at Harriston, Va.	$\text{LOG}_{10}(\text{Station } 02010500 \text{ discharge}) = -0.565 + 0.553 \cdot \text{LOG}_{10}(\text{Station } 01627500 \text{ discharge})$
02011000	Bolar Spring at Bolar, Va.	01634000	North Fork Shenandoah River at Route 55 near Strasburg, Va.	$\text{LOG}_{10}(\text{Station } 02011000 \text{ discharge}) = -1.653 + 0.899 \cdot \text{LOG}_{10}(\text{Station } 01634000 \text{ discharge})$
02011010	Warm Springs Run above wastewater outfall at Warm Springs, Va.	02011400	Jackson River along Route 603 near Bacova, Va.	$\text{LOG}_{10}(\text{Station } 02011010 \text{ discharge}) = -0.106 + 0.421 \cdot \text{LOG}_{10}(\text{Station } 02011400 \text{ discharge})$
02011830	Hot Springs Run at Bacova Junction, Va.	02016000	Cowpasture River below Route 633 near Clifton Forge, Va.	$\text{LOG}_{10}(\text{Station } 02011830 \text{ discharge}) = -0.425 + 0.409 \cdot \text{LOG}_{10}(\text{Station } 02016000 \text{ discharge})$
02015075	Smith Creek above Dry Creek at Clifton Forge, Va.	02024000	Maury River near Buena Vista, Va.	$\text{LOG}_{10}(\text{Station } 02015075 \text{ discharge}) = -0.924 + 0.817 \cdot \text{LOG}_{10}(\text{Station } 02024000 \text{ discharge})$
02015300	Wilson Creek at Tukes Trailer Court wastewater outfall near Longdale, Va.	02018000	Craig Creek at abandoned railroad bridge at Parr, Va.	$\text{LOG}_{10}(\text{Station } 02015300 \text{ discharge}) = -4.917 + 2.620 \cdot \text{LOG}_{10}(\text{Station } 02018000 \text{ discharge})$
02015600	Cowpasture River at Route 250 near Head Waters, Va.	01632000	North Fork Shenandoah River above Route 259 at Cootes Store, Va.	$\text{LOG}_{10}(\text{Station } 02015600 \text{ discharge}) = -0.490 + 0.886 \cdot \text{LOG}_{10}(\text{Station } 01632000 \text{ discharge})$
0201655975	Mill Creek at Route 694 at Gala, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	$\text{LOG}_{10}(\text{Station } 0201655975 \text{ discharge}) = 0.550 + 0.272 \cdot \text{LOG}_{10}(\text{Station } 01674000 \text{ discharge})$
02018850	Borden Creek near Flatwoods, Va.	02027000	Tye River at Route 158 near Lovingson, Va.	$\text{LOG}_{10}(\text{Station } 02018850 \text{ discharge}) = -0.985 + 0.691 \cdot \text{LOG}_{10}(\text{Station } 02027000 \text{ discharge})$
02019480	Looney Creek above Long Run at Route 625 near Buchanan, Va.	02055000	Roanoke River at Walnut Street at Roanoke, Va.	$\text{LOG}_{10}(\text{Station } 02019480 \text{ discharge}) = -1.993 + 1.412 \cdot \text{LOG}_{10}(\text{Station } 02055000 \text{ discharge})$
02020200	Calfpasture River near Route 250 near West Augusta, Va.	02030500	Slate River above Route 676 near Arvonnia, Va.	$\text{LOG}_{10}(\text{Station } 02020200 \text{ discharge}) = -4.286 + 2.339 \cdot \text{LOG}_{10}(\text{Station } 02030500 \text{ discharge})$
02021080	Alum Creek below Rockbridge Alum Springs near Millboro, Va.	01620500	North River above Forest Road near Stokesville, Va.	$\text{LOG}_{10}(\text{Station } 02021080 \text{ discharge}) = -0.997 + 0.944 \cdot \text{LOG}_{10}(\text{Station } 01620500 \text{ discharge})$
02021110	Brattons Run at Route 39 near Goshen, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	$\text{LOG}_{10}(\text{Station } 02021110 \text{ discharge}) = -2.504 + 2.810 \cdot \text{LOG}_{10}(\text{Station } 02022500 \text{ discharge})$

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Number of X-Y pairs	Distance between sites (mi)	Rsquare	Spearman ρ	LOC slope lower confidence limit	LOC slope upper confidence limit
Station number	Station description	Station number	Station description						
01673010	Mechumps Creek at Route 301 at Hanover, Va.	01660000	South Branch Chopawamsic Creek below Marine Road 1 near Garrisonville, Va.	9	55.0	0.96	0.93	0.76	1.26
01673600	Matadequin Creek at Route 606 near Tunstall, Va.	01627500	South River at Route 778 at Harriston, Va.	17	99.2	0.76	0.83	1.93	5.44
01673610	Clopton Swamp tributary above Kenwood Farms wastewater outfall near Quinton, Va.	01660400	Aquia Creek at Route 641 near Garrisonville, Va.	9	69.6	0.70	0.66	0.11	2.36
01673960	Mat River at Route 647 near Marye, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	11	6.37	0.93	--	1.05	1.98
01674160	Polecat Creek at Route 601 at Cedar Fork, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	95	19.4	0.94	0.94	1.35	1.58
01674171	Polecat Creek tributary near Golansville, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	70	22.9	0.87	0.91	1.08	1.43
01674172	Polecat Creek at Route 652 near Ladysmith, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	97	21.5	0.87	0.92	1.24	1.56
01674174	Stevens Mill Run at Route 601 at Golansville, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	101	12.9	0.81	0.93	0.83	1.12
01674180	Polecat Creek at Route 601 at Penola, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	99	15.5	0.91	0.93	0.95	1.15
01674200	Reedy Creek at Route 301 near Dawn, Va.	01669000	Piscataway Creek at Route 691 near Tappahannock, Va.	43	23.9	0.90	0.94	1.25	1.70
01674250	Maracossic Creek at Route 721 at Sparta, Va.	01674500	Mattaponi River near Beulahville, Va.	15	8.69	0.83	0.81	0.46	1.07
01674350	Beverly Run at Route 630 near Alps, Va.	01674500	Mattaponi River near Beulahville, Va.	14	14.8	0.97	0.94	0.71	0.98
01674600	Herring Creek at Route 609 near Aylett, Va.	01674500	Mattaponi River near Beulahville, Va.	9	18.4	0.34	0.85	--	--
01675395	Tastine Swamp at Route 603 at Fork Shop, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	15	77.2	0.97	0.97	0.50	0.68
01677100	France Swamp at Route 606 near Toano, Va.	01674500	Mattaponi River near Beulahville, Va.	18	58.7	0.77	0.91	0.43	1.08
01677200	Skimino Creek below Barlows Pond at Route 646 near Lightfoot, Va.	01627500	South River at Route 778 at Harriston, Va.	10	130	0.80	0.92	0.52	2.19
02010500	Muddy Run Spring near Warm Springs, Va.	01627500	South River at Route 778 at Harriston, Va.	37	--	0.86	0.94	0.45	0.68
02011000	Bolar Spring at Bolar, Va.	01634000	North Fork Shenandoah River at Route 55 near Strasburg, Va.	10	--	0.65	0.70	0.13	6.00
02011010	Warm Springs Run above wastewater outfall at Warm Springs, Va.	02011400	Jackson River along Route 603 near Bacova, Va.	15	11.7	0.91	0.90	0.32	0.55
02011830	Hot Springs Run at Bacova Junction, Va.	02016000	Cowpasture River below Route 633 near Clifton Forge, Va.	13	15.3	0.85	0.81	0.27	0.63
02015075	Smith Creek above Dry Creek at Clifton Forge, Va.	02024000	Maury River near Buena Vista, Va.	15	27.7	0.98	0.97	0.73	0.91
02015300	Wilson Creek at Tukes Trailer Court wastewater outfall near Longdale, Va.	02018000	Craig Creek at abandoned railroad bridge at Parr, Va.	12	36.0	0.91	--	1.89	3.63
02015600	Cowpasture River at Route 250 near Head Waters, Va.	01632000	North Fork Shenandoah River above Route 259 at Cootes Store, Va.	18	34.0	0.86	0.96	0.64	1.22
0201655975	Mill Creek at Route 694 at Gala, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	15	121	0.82	0.99	0.17	0.43
02018850	Borden Creek near Flatwoods, Va.	02027000	Tye River at Route 158 near Lovingson, Va.	11	51.8	0.97	--	0.57	0.84
02019480	Looney Creek above Long Run at Route 625 near Buchanan, Va.	02055000	Roanoke River at Walnut Street at Roanoke, Va.	11	28.9	0.91	--	0.98	2.04
02020200	Calfpasture River near Route 250 near West Augusta, Va.	02030500	Slate River above Route 676 near Arvonnia, Va.	15	64.3	0.95	0.95	1.93	2.93
02021080	Alum Creek below Rockbridge Alum Springs near Millboro, Va.	01620500	North River above Forest Road near Stokesville, Va.	10	39.3	0.86	0.83	0.55	1.62
02021110	Brattons Run at Route 39 near Goshen, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	15	4.92	0.90	0.94	2.07	3.82

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		LOG10 low-flow expressed as a function of index-record streamgaging station LOG10 discharge using the MOVE.1 method
Station number	Station description	Station number	Station description	
02021653	Hays Creek at Route 602 near Rockbridge Baths, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	$\text{LOG}_{10}(\text{Station } 02021653 \text{ discharge}) = -0.079 + 1.279 \cdot \text{LOG}_{10}(\text{Station } 02022500 \text{ discharge})$
02021685	Cedar Grove Branch at Route 712 at Bustleburg, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 02021685 \text{ discharge}) = 0.006 + 0.446 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
02024208	Indian Gap Run at factory at Buena Vista, Va.	01622000	North River along Route 693 near Burketown, Va.	$\text{LOG}_{10}(\text{Station } 02024208 \text{ discharge}) = -2.513 + 1.036 \cdot \text{LOG}_{10}(\text{Station } 01622000 \text{ discharge})$
02024750	James River at Bedford Dam near Major, Va.	01628060	White Oak Run 0.15 miles above mouth near Grottoes, Va.	$\text{LOG}_{10}(\text{Station } 02024750 \text{ discharge}) = 3.017 + 0.785 \cdot \text{LOG}_{10}(\text{Station } 01628060 \text{ discharge})$
02024760	Reed Creek at Route 637 near Big Island, Va.	02028500	Rockfish River at Route 634 near Greenfield, Va.	$\text{LOG}_{10}(\text{Station } 02024760 \text{ discharge}) = -0.521 + 0.748 \cdot \text{LOG}_{10}(\text{Station } 02028500 \text{ discharge})$
02024765	Meadow Creek at Route 637 near Big Island, Va.	01643700	Goose Creek at Route 611 near Middleburg, Va.	$\text{LOG}_{10}(\text{Station } 02024765 \text{ discharge}) = -0.633 + 0.742 \cdot \text{LOG}_{10}(\text{Station } 01643700 \text{ discharge})$
02024900	Pedlar River at Route 60 below Davis Mill Creek near Buena Vista, Va.	01628500	South Fork Shenandoah River below Lower Lewis Run near Lynnwood, Va.	$\text{LOG}_{10}(\text{Station } 02024900 \text{ discharge}) = -2.740 + 1.388 \cdot \text{LOG}_{10}(\text{Station } 01628500 \text{ discharge})$
02025850	Ivy Creek below Ivy Hill Lake near Norwood, Va.	01632900	Smith Creek at Route 616 near New Market, Va.	$\text{LOG}_{10}(\text{Station } 02025850 \text{ discharge}) = -2.559 + 2.202 \cdot \text{LOG}_{10}(\text{Station } 01632900 \text{ discharge})$
02025863	Ivy Creek at Route 501 at Lynchburg, Va.	02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	$\text{LOG}_{10}(\text{Station } 02025863 \text{ discharge}) = -0.391 + 0.912 \cdot \text{LOG}_{10}(\text{Station } 02031000 \text{ discharge})$
02025868	Blackwater Creek at Route 501 (Alternate) at Lynchburg, Va.	02024000	Maury River near Buena Vista, Va.	$\text{LOG}_{10}(\text{Station } 02025868 \text{ discharge}) = -0.891 + 0.930 \cdot \text{LOG}_{10}(\text{Station } 02024000 \text{ discharge})$
0202587150	Fishing Creek at Winchester Road at Lynchburg, Va.	01646000	Difficult Run below Route 193 near Great Falls, Va.	$\text{LOG}_{10}(\text{Station } 0202587150 \text{ discharge}) = -2.422 + 1.924 \cdot \text{LOG}_{10}(\text{Station } 01646000 \text{ discharge})$
0202588530	Opossum Creek at Route 460 near Lynchburg, Va.	01626000	South River at Route 664 near Waynesboro, Va.	$\text{LOG}_{10}(\text{Station } 0202588530 \text{ discharge}) = -1.539 + 1.225 \cdot \text{LOG}_{10}(\text{Station } 01626000 \text{ discharge})$
02025890	Tussocky Creek tributary at Evergreen wastewater outfall near City Farm, Va.	02018000	Craig Creek at abandoned railroad bridge at Parr, Va.	$\text{LOG}_{10}(\text{Station } 02025890 \text{ discharge}) = 0.000 + 1.000 \cdot \text{LOG}_{10}(\text{Station } 02018000 \text{ discharge})$
02025907	Beaver Creek at Route 609 near Lynchburg, Va.	01626000	South River at Route 664 near Waynesboro, Va.	$\text{LOG}_{10}(\text{Station } 02025907 \text{ discharge}) = -0.716 + 1.054 \cdot \text{LOG}_{10}(\text{Station } 01626000 \text{ discharge})$
02025970	Wreck Island Creek above quarries near Riverville, Va.	01627500	South River at Route 778 at Harrison, Va.	$\text{LOG}_{10}(\text{Station } 02025970 \text{ discharge}) = -1.427 + 1.425 \cdot \text{LOG}_{10}(\text{Station } 01627500 \text{ discharge})$
02025974	Wreck Island Creek at Route 605 near Riverville, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	$\text{LOG}_{10}(\text{Station } 02025974 \text{ discharge}) = -0.088 + 1.243 \cdot \text{LOG}_{10}(\text{Station } 02022500 \text{ discharge})$
02025998	Bent Creek at Route 26 at Bent Creek, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	$\text{LOG}_{10}(\text{Station } 02025998 \text{ discharge}) = 0.026 + 0.674 \cdot \text{LOG}_{10}(\text{Station } 02030000 \text{ discharge})$
02027600	Buffalo River at Route 610 at Forks of Buffalo, Va.	01668000	Rappahannock River below Motts Run near Fredericksburg, Va.	$\text{LOG}_{10}(\text{Station } 02027600 \text{ discharge}) = -2.301 + 1.217 \cdot \text{LOG}_{10}(\text{Station } 01668000 \text{ discharge})$
02027670	Buffalo River at Route 29 near Amherst, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	$\text{LOG}_{10}(\text{Station } 02027670 \text{ discharge}) = -0.221 + 0.796 \cdot \text{LOG}_{10}(\text{Station } 01667500 \text{ discharge})$
02027700	Buffalo River tributary at Route 60 near Amherst, Va.	01674500	Mattaponi River near Beulahville, Va.	$\text{LOG}_{10}(\text{Station } 02027700 \text{ discharge}) = -1.585 + 0.461 \cdot \text{LOG}_{10}(\text{Station } 01674500 \text{ discharge})$
02028700	Cove Creek at Route 29 near Covesville, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	$\text{LOG}_{10}(\text{Station } 02028700 \text{ discharge}) = -2.016 + 1.395 \cdot \text{LOG}_{10}(\text{Station } 02030000 \text{ discharge})$
02028823	Ballinger Creek at Route 626 near Warren, Va.	02028500	Rockfish River at Route 634 near Greenfield, Va.	$\text{LOG}_{10}(\text{Station } 02028823 \text{ discharge}) = -1.174 + 1.023 \cdot \text{LOG}_{10}(\text{Station } 02028500 \text{ discharge})$
02028850	Rock Island Creek at Route 723 near Centenary, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 02028850 \text{ discharge}) = -0.046 + 0.675 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
02029050	Little Georgia Creek at Route 679 near Scottsville, Va.	01662800	Battle Run at Route 729 near Laurel Mills, Va.	$\text{LOG}_{10}(\text{Station } 02029050 \text{ discharge}) = -0.603 + 0.757 \cdot \text{LOG}_{10}(\text{Station } 01662800 \text{ discharge})$
02029190	North Fork Hardware River at Route 708 near Red Hill, Va.	02027000	Tye River at Route 158 near Lovingston, Va.	$\text{LOG}_{10}(\text{Station } 02029190 \text{ discharge}) = -0.509 + 0.479 \cdot \text{LOG}_{10}(\text{Station } 02027000 \text{ discharge})$
02029200	North Fork Hardware River at Route 29 at Red Hill, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	$\text{LOG}_{10}(\text{Station } 02029200 \text{ discharge}) = -1.430 + 1.352 \cdot \text{LOG}_{10}(\text{Station } 02030000 \text{ discharge})$
02029400	South Branch of North Fork Hardware River at Route 29 near North Garden, Va.	02027000	Tye River at Route 158 near Lovingston, Va.	$\text{LOG}_{10}(\text{Station } 02029400 \text{ discharge}) = -2.081 + 1.561 \cdot \text{LOG}_{10}(\text{Station } 02027000 \text{ discharge})$
02030030	Hardware River at Route 646 at Hardware, Va.	01662800	Battle Run at Route 729 near Laurel Mills, Va.	$\text{LOG}_{10}(\text{Station } 02030030 \text{ discharge}) = 1.310 + 0.525 \cdot \text{LOG}_{10}(\text{Station } 01662800 \text{ discharge})$
02030150	Slate River at Route 60 at Buckingham, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	$\text{LOG}_{10}(\text{Station } 02030150 \text{ discharge}) = -0.334 + 0.732 \cdot \text{LOG}_{10}(\text{Station } 01667500 \text{ discharge})$
02030180	Austin Creek at Route 607 near Buckingham, Va.	01626000	South River at Route 664 near Waynesboro, Va.	$\text{LOG}_{10}(\text{Station } 02030180 \text{ discharge}) = -1.834 + 1.050 \cdot \text{LOG}_{10}(\text{Station } 01626000 \text{ discharge})$

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Number of X-Y pairs	Distance between sites (mi)	Rsquare	Spearman ρ	LOC slope lower confidence limit	LOC slope upper confidence limit
Station number	Station description	Station number	Station description						
02021653	Hays Creek at Route 602 near Rockbridge Baths, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	13	13.5	0.96	0.98	1.06	1.54
02021685	Cedar Grove Branch at Route 712 at Bustleburg, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	13	130	0.88	0.93	0.31	0.65
02024208	Indian Gap Run at factory at Buena Vista, Va.	01622000	North River along Route 693 near Burketown, Va.	10	51.8	0.86	0.97	0.61	1.75
02024750	James River at Bedford Dam near Major, Va.	01628060	White Oak Run 0.15 miles above mouth near Grottoes, Va.	26	60.8	0.74	0.77	0.53	1.19
02024760	Reed Creek at Route 637 near Big Island, Va.	02028500	Rockfish River at Route 634 near Greenfield, Va.	16	43.5	0.96	0.97	0.63	0.89
02024765	Meadow Creek at Route 637 near Big Island, Va.	01643700	Goose Creek at Route 611 near Middleburg, Va.	10	129	0.97	0.98	0.61	0.90
02024900	Pedlar River at Route 60 below Davis Mill Creek near Buena Vista, Va.	01628500	South Fork Shenandoah River below Lower Lewis Run near Lynnwood, Va.	13	34.8	0.69	0.83	0.58	3.31
02025850	Ivy Creek below Ivy Hill Lake near Norwood, Va.	01632900	Smith Creek at Route 616 near New Market, Va.	13	83.6	0.93	0.97	1.69	2.87
02025863	Ivy Creek at Route 501 at Lynchburg, Va.	02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	11	53.0	0.98	--	0.77	1.08
02025868	Blackwater Creek at Route 501 (Alternate) at Lynchburg, Va.	02024000	Maury River near Buena Vista, Va.	11	41.9	0.83	--	0.53	1.64
0202587150	Fishing Creek at Winchester Road at Lynchburg, Va.	01646000	Difficult Run below Route 193 near Great Falls, Va.	11	147	0.79	--	0.99	3.74
0202588530	Opossum Creek at Route 460 near Lynchburg, Va.	01626000	South River at Route 664 near Waynesboro, Va.	12	43.3	0.97	--	1.02	1.47
02025890	Tussocky Creek tributary at Evergreen wastewater outfall near City Farm, Va.	02018000	Craig Creek at abandoned railroad bridge at Parr, Va.	11	57.9	0.79	0.88	1.16	4.49
02025907	Beaver Creek at Route 609 near Lynchburg, Va.	01626000	South River at Route 664 near Waynesboro, Va.	12	45.5	0.92	--	0.78	1.43
02025970	Wreck Island Creek above quarries near Riverville, Va.	01627500	South River at Route 778 at Harrison, Va.	13	43.4	0.90	0.95	1.02	1.99
02025974	Wreck Island Creek at Route 605 near Riverville, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	16	46.1	0.78	0.85	0.76	2.04
02025998	Bent Creek at Route 26 at Bent Creek, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	16	33.4	0.92	0.92	0.53	0.86
02027600	Buffalo River at Route 610 at Forks of Buffalo, Va.	01668000	Rappahannock River below Motts Run near Fredericksburg, Va.	11	83.4	0.84	0.95	0.71	2.07
02027670	Buffalo River at Route 29 near Amherst, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	15	67.3	0.95	0.88	0.65	0.97
02027700	Buffalo River tributary at Route 60 near Amherst, Va.	01674500	Mattaponi River near Beulahville, Va.	10	89.3	0.93	1.00	0.33	0.64
02028700	Cove Creek at Route 29 near Covesville, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	24	7.75	0.79	0.96	0.98	1.98
02028823	Ballinger Creek at Route 626 near Warren, Va.	02028500	Rockfish River at Route 634 near Greenfield, Va.	13	15.7	0.97	0.93	0.86	1.21
02028850	Rock Island Creek at Route 723 near Centenary, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	13	107	0.93	0.93	0.52	0.88
02029050	Little Georgia Creek at Route 679 near Scottsville, Va.	01662800	Battle Run at Route 729 near Laurel Mills, Va.	12	70.6	0.67	--	0.26	2.20
02029190	North Fork Hardware River at Route 708 near Red Hill, Va.	02027000	Tye River at Route 158 near Lovingston, Va.	13	25.1	0.96	0.92	0.40	0.58
02029200	North Fork Hardware River at Route 29 at Red Hill, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	27	5.98	0.80	0.98	0.98	1.86
02029400	South Branch of North Fork Hardware River at Route 29 near North Garden, Va.	02027000	Tye River at Route 158 near Lovingston, Va.	19	20.5	0.78	0.92	1.01	2.40
02030030	Hardware River at Route 646 at Hardware, Va.	01662800	Battle Run at Route 729 near Laurel Mills, Va.	12	61.7	0.92	--	0.38	0.72
02030150	Slate River at Route 60 at Buckingham, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	14	62.3	0.96	0.96	0.61	0.87
02030180	Austin Creek at Route 607 near Buckingham, Va.	01626000	South River at Route 664 near Waynesboro, Va.	12	36.0	0.88	--	0.71	1.56

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		LOG10 low-flow expressed as a function of index-record streamgaging station LOG10 discharge using the MOVE.1 method
Station number	Station description	Station number	Station description	
02030195	North River at Route 648 near Buckingham, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	$\text{LOG}_{10}(\text{Station } 02030195 \text{ discharge}) = -0.367 + 0.782 \cdot \text{LOG}_{10}(\text{Station } 02030000 \text{ discharge})$
02030215	Troublesome Creek at Route 631 near Buckingham, Va.	01627500	South River at Route 778 at Harriston, Va.	$\text{LOG}_{10}(\text{Station } 02030215 \text{ discharge}) = -3.809 + 1.775 \cdot \text{LOG}_{10}(\text{Station } 01627500 \text{ discharge})$
02030300	Slate River at Route 20 near Dillwyn, Va.	02030500	Slate River above Route 676 near Arvonias, Va.	$\text{LOG}_{10}(\text{Station } 02030300 \text{ discharge}) = -0.283 + 1.068 \cdot \text{LOG}_{10}(\text{Station } 02030500 \text{ discharge})$
02030400	Turpin Creek near Dillwyn, Va.	01628500	South Fork Shenandoah River below Lower Lewis Run near Lynnwood, Va.	$\text{LOG}_{10}(\text{Station } 02030400 \text{ discharge}) = -3.127 + 1.043 \cdot \text{LOG}_{10}(\text{Station } 01628500 \text{ discharge})$
02030760	North Creek at Route 652 at Fork Union, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	$\text{LOG}_{10}(\text{Station } 02030760 \text{ discharge}) = -1.024 + 0.371 \cdot \text{LOG}_{10}(\text{Station } 01674000 \text{ discharge})$
02030850	Stockton Creek at Route 635 near Crozet, Va.	01668000	Rappahannock River below Motts Run near Fredericksburg, Va.	$\text{LOG}_{10}(\text{Station } 02030850 \text{ discharge}) = -2.546 + 1.240 \cdot \text{LOG}_{10}(\text{Station } 01668000 \text{ discharge})$
02030895	Mechums River at Route 250 at Mechums River, Va.	01628500	South Fork Shenandoah River below Lower Lewis Run near Lynnwood, Va.	$\text{LOG}_{10}(\text{Station } 02030895 \text{ discharge}) = -3.898 + 2.076 \cdot \text{LOG}_{10}(\text{Station } 01628500 \text{ discharge})$
02031750	South Fork Moormans River above Charlottesville Reservoir near White Hall, Va.	01632000	North Fork Shenandoah River above Route 259 at Cootes Store, Va.	$\text{LOG}_{10}(\text{Station } 02031750 \text{ discharge}) = -1.939 + 1.390 \cdot \text{LOG}_{10}(\text{Station } 01632000 \text{ discharge})$
02032545	Ivy Creek at Route 601 near Boonesville, Va.	01656000	Cedar Run at Route 806 near Catlett, Va.	$\text{LOG}_{10}(\text{Station } 02032545 \text{ discharge}) = -1.148 + 1.171 \cdot \text{LOG}_{10}(\text{Station } 01656000 \text{ discharge})$
0203269950	Schenks Branch at McIntire Road at Charlottesville, Va.	01669520	Dragon Swamp at Route 603 at Mascot, Va.	$\text{LOG}_{10}(\text{Station } 0203269950 \text{ discharge}) = -0.741 + 0.302 \cdot \text{LOG}_{10}(\text{Station } 01669520 \text{ discharge})$
02032867	Meadow Creek at Holmes Avenue at Charlottesville, Va.	01626000	South River at Route 664 near Waynesboro, Va.	$\text{LOG}_{10}(\text{Station } 02032867 \text{ discharge}) = -0.988 + 0.856 \cdot \text{LOG}_{10}(\text{Station } 01626000 \text{ discharge})$
02033390	Biscuit Run at Southwood wastewater outfall near Charlottesville, Va.	02021500	Maury River above Route 39 at Rockbridge Baths, Va.	$\text{LOG}_{10}(\text{Station } 02033390 \text{ discharge}) = -0.671 + 0.730 \cdot \text{LOG}_{10}(\text{Station } 02021500 \text{ discharge})$
02033495	Moore's Creek above wastewater outfall near Charlottesville, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	$\text{LOG}_{10}(\text{Station } 02033495 \text{ discharge}) = 0.515 + 0.482 \cdot \text{LOG}_{10}(\text{Station } 01673800 \text{ discharge})$
02033570	Shadwell Creek near Shadwell, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	$\text{LOG}_{10}(\text{Station } 02033570 \text{ discharge}) = -2.776 + 1.097 \cdot \text{LOG}_{10}(\text{Station } 02030000 \text{ discharge})$
02033750	Buck Island Creek below Route 729 below Houchins Creek near Simeon, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	$\text{LOG}_{10}(\text{Station } 02033750 \text{ discharge}) = -2.768 + 2.002 \cdot \text{LOG}_{10}(\text{Station } 02030000 \text{ discharge})$
02033800	Mechunk Creek at Route 250 near Boyd Tavern near Zion Crossroads, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	$\text{LOG}_{10}(\text{Station } 02033800 \text{ discharge}) = -2.320 + 1.418 \cdot \text{LOG}_{10}(\text{Station } 01667500 \text{ discharge})$
02034300	Little Willis River at Route 15 at Curdsville, Va.	02016000	Cowpasture River below Route 633 near Clifton Forge, Va.	$\text{LOG}_{10}(\text{Station } 02034300 \text{ discharge}) = -1.544 + 0.804 \cdot \text{LOG}_{10}(\text{Station } 02016000 \text{ discharge})$
02035098	Deep Creek at Route 684 (Route 27) at Provost, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	$\text{LOG}_{10}(\text{Station } 02035098 \text{ discharge}) = -0.681 + 1.059 \cdot \text{LOG}_{10}(\text{Station } 02030000 \text{ discharge})$
0203667510	Tuckahoe Creek tributary 1 at Route 288 near Centerville, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 0203667510 \text{ discharge}) = -3.167 + 0.960 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
0203668775	Tuckahoe Creek at railroad bridge near Tuckahoe Village, Va.	01660000	South Branch Chopawamsic Creek below Marine Road 1 near Garrisonville, Va.	$\text{LOG}_{10}(\text{Station } 0203668775 \text{ discharge}) = 1.321 + 1.919 \cdot \text{LOG}_{10}(\text{Station } 01660000 \text{ discharge})$
02037800	Falling Creek at Route 653 near Midlothian, Va.	01669000	Piscataway Creek at Route 691 near Tappahannock, Va.	$\text{LOG}_{10}(\text{Station } 02037800 \text{ discharge}) = -1.044 + 1.762 \cdot \text{LOG}_{10}(\text{Station } 01669000 \text{ discharge})$
02038730	Fourmile Creek at Doran Road near Richmond Heights, Va.	01669000	Piscataway Creek at Route 691 near Tappahannock, Va.	$\text{LOG}_{10}(\text{Station } 02038730 \text{ discharge}) = -0.789 + 0.659 \cdot \text{LOG}_{10}(\text{Station } 01669000 \text{ discharge})$
0203873175	Fourmile Creek at Kingsland Road near Richmond Heights, Va.	02020500	Calpasture River at Route 42 above Mill Creek, at Goshen, Va.	$\text{LOG}_{10}(\text{Station } 0203873175 \text{ discharge}) = -0.786 + 0.676 \cdot \text{LOG}_{10}(\text{Station } 02020500 \text{ discharge})$
02038780	Johnson Creek at Route 746 near Rivermont, Va.	01671100	Little River at Route 685 near Doswell, Va.	$\text{LOG}_{10}(\text{Station } 02038780 \text{ discharge}) = -1.672 + 0.863 \cdot \text{LOG}_{10}(\text{Station } 01671100 \text{ discharge})$
02038824	Suanee Creek at Route 627 near Hixburg, Va.	02030500	Slate River above Route 676 near Arvonias, Va.	$\text{LOG}_{10}(\text{Station } 02038824 \text{ discharge}) = -1.160 + 0.899 \cdot \text{LOG}_{10}(\text{Station } 02030500 \text{ discharge})$
02038840	Holiday Creek near Toga, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	$\text{LOG}_{10}(\text{Station } 02038840 \text{ discharge}) = -1.356 + 0.835 \cdot \text{LOG}_{10}(\text{Station } 02030000 \text{ discharge})$

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Number of X-Y pairs	Distance between sites (mi)	Rsquare	Spearman ρ	LOC slope lower confidence limit	LOC slope upper confidence limit
Station number	Station description	Station number	Station description						
02030195	North River at Route 648 near Buckingham, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	12	24.9	0.89	--	0.54	1.13
02030215	Troublesome Creek at Route 631 near Buckingham, Va.	01627500	South River at Route 778 at Harriston, Va.	12	41.6	0.78	--	0.93	3.37
02030300	Slate River at Route 20 near Dillwyn, Va.	02030500	Slate River above Route 676 near Arvonias, Va.	12	3.42	0.97	--	0.88	1.29
02030400	Turpin Creek near Dillwyn, Va.	01628500	South Fork Shenandoah River below Lower Lewis Run near Lynnwood, Va.	12	56.8	0.94	--	0.80	1.35
02030760	North Creek at Route 652 at Fork Union, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	21	46.6	0.80	0.88	0.24	0.52
02030850	Stockton Creek at Route 635 near Crozet, Va.	01668000	Rappahannock River below Motts Run near Fredericksburg, Va.	14	50.5	0.91	0.96	0.92	1.68
02030895	Mechums River at Route 250 at Mechums River, Va.	01628500	South Fork Shenandoah River below Lower Lewis Run near Lynnwood, Va.	16	23.1	0.85	0.83	1.44	2.99
02031750	South Fork Moormans River above Charlottesville Reservoir near White Hall, Va.	01632000	North Fork Shenandoah River above Route 259 at Cootes Store, Va.	14	41.6	0.96	0.96	1.15	1.69
02032545	Ivy Creek at Route 601 near Boonesville, Va.	01656000	Cedar Run at Route 806 near Catlett, Va.	18	55.8	0.95	0.97	1.05	1.47
0203269950	Schenks Branch at McIntire Road at Charlottesville, Va.	01669520	Dragon Swamp at Route 603 at Mascot, Va.	12	94.2	0.89	--	0.21	0.44
02032867	Meadow Creek at Holmes Avenue at Charlottesville, Va.	01626000	South River at Route 664 near Waynesboro, Va.	13	30.2	0.93	0.97	0.68	1.17
02033390	Biscuit Run at Southwood wastewater outfall near Charlottesville, Va.	02021500	Maury River above Route 39 at Rockbridge Baths, Va.	14	49.1	0.91	0.96	0.54	0.99
02033495	Moore's Creek above wastewater outfall near Charlottesville, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	17	46.9	0.94	0.94	0.39	0.60
02033570	Shadwell Creek near Shadwell, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	15	12.1	0.92	0.97	0.84	1.43
02033750	Buck Island Creek below Route 729 below Houchins Creek near Simeon, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	10	7.49	0.98	1.00	1.73	2.31
02033800	Mechunk Creek at Route 250 near Boyd Tavern near Zion Crossroads, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	10	21.7	0.93	0.95	1.13	1.77
02034300	Little Willis River at Route 15 at Curdsville, Va.	02016000	Cowpasture River below Route 633 near Clifton Forge, Va.	18	77.6	0.98	0.93	0.72	0.90
02035098	Deep Creek at Route 684 (Route 27) at Provost, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	10	38.5	0.58	0.91	--	--
0203667510	Tuckahoe Creek tributary 1 at Route 288 near Centerville, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	10	85.9	0.91	0.64	0.65	1.42
0203668775	Tuckahoe Creek at railroad bridge near Tuckahoe Village, Va.	01660000	South Branch Chopawamsic Creek below Marine Road 1 near Garrisonville, Va.	10	63.2	0.87	0.98	1.16	3.17
02037800	Falling Creek at Route 653 near Midlothian, Va.	01669000	Piscataway Creek at Route 691 near Tappahannock, Va.	18	44.5	0.93	0.87	1.42	2.19
02038730	Fourmile Creek at Doran Road near Richmond Heights, Va.	01669000	Piscataway Creek at Route 691 near Tappahannock, Va.	17	34.4	0.83	0.66	0.45	0.98
0203873175	Fourmile Creek at Kingsland Road near Richmond Heights, Va.	02020500	Calfpasture River at Route 42 above Mill Creek, at Goshen, Va.	12	124	0.88	--	0.45	1.00
02038780	Johnson Creek at Route 746 near Rivermont, Va.	01671100	Little River at Route 685 near Doswell, Va.	9	44.9	0.66	0.77	--	--
02038824	Suane Creek at Route 627 near Hixburg, Va.	02030500	Slate River above Route 676 near Arvonias, Va.	12	20.7	0.97	--	0.76	1.06
02038840	Holiday Creek near Toga, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	12	33.2	0.92	--	0.61	1.14

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		LOG10 low-flow expressed as a function of index-record streamgaging station LOG10 discharge using the MOVE.1 method
Station number	Station description	Station number	Station description	
0203888120	Vaughans Creek at Route 609 near Prospect, Va.	02030500	Slate River above Route 676 near Arvonias, Va.	$\text{LOG}_{10}(\text{Station } 0203888120 \text{ discharge}) = -0.378 + 0.739 \cdot \text{LOG}_{10}(\text{Station } 02030500 \text{ discharge})$
02038892	Horsepen Creek at Route 683 near Sheppards, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	$\text{LOG}_{10}(\text{Station } 02038892 \text{ discharge}) = -0.513 + 0.727 \cdot \text{LOG}_{10}(\text{Station } 02022500 \text{ discharge})$
02038945	Spring Creek at Route 659 near Darlington Heights, Va.	02027000	Tye River at Route 158 near Lovingsston, Va.	$\text{LOG}_{10}(\text{Station } 02038945 \text{ discharge}) = -0.320 + 0.673 \cdot \text{LOG}_{10}(\text{Station } 02027000 \text{ discharge})$
02038955	Mud Creek at Route 659 near Darlington Heights, Va.	02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	$\text{LOG}_{10}(\text{Station } 02038955 \text{ discharge}) = -0.345 + 0.585 \cdot \text{LOG}_{10}(\text{Station } 02031000 \text{ discharge})$
02038970	Spring Creek at Route 700 near Hampden Sydney, Va.	02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	$\text{LOG}_{10}(\text{Station } 02038970 \text{ discharge}) = -0.017 + 0.738 \cdot \text{LOG}_{10}(\text{Station } 02031000 \text{ discharge})$
02039525	Bush River at Route 630 near Worsham, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	$\text{LOG}_{10}(\text{Station } 02039525 \text{ discharge}) = 0.622 + 0.222 \cdot \text{LOG}_{10}(\text{Station } 01674000 \text{ discharge})$
02039550	Bush River at Route 460 near Rice, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	$\text{LOG}_{10}(\text{Station } 02039550 \text{ discharge}) = -1.138 + 1.703 \cdot \text{LOG}_{10}(\text{Station } 02022500 \text{ discharge})$
02039580	Tanyard Branch at Route 646 near Hampden Sydney, Va.	01671100	Little River at Route 685 near Doswell, Va.	$\text{LOG}_{10}(\text{Station } 02039580 \text{ discharge}) = -0.936 + 0.529 \cdot \text{LOG}_{10}(\text{Station } 01671100 \text{ discharge})$
02039600	Briery Creek at Route 460 (Business) near Rice, Va.	01674500	Mattaponi River near Beulahville, Va.	$\text{LOG}_{10}(\text{Station } 02039600 \text{ discharge}) = -0.720 + 0.722 \cdot \text{LOG}_{10}(\text{Station } 01674500 \text{ discharge})$
02039680	Little Sandy Creek at Route 612 near Moran, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	$\text{LOG}_{10}(\text{Station } 02039680 \text{ discharge}) = -2.326 + 1.402 \cdot \text{LOG}_{10}(\text{Station } 02030000 \text{ discharge})$
02039700	Sandy River at Route 460 near Rice, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	$\text{LOG}_{10}(\text{Station } 02039700 \text{ discharge}) = -3.048 + 2.414 \cdot \text{LOG}_{10}(\text{Station } 02030000 \text{ discharge})$
02039760	Saylers Creek above Little Saylers Creek near Rice, Va.	02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	$\text{LOG}_{10}(\text{Station } 02039760 \text{ discharge}) = -1.234 + 1.073 \cdot \text{LOG}_{10}(\text{Station } 02031000 \text{ discharge})$
02039780	Little Saylers Creek above mouth near Rice, Va.	02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	$\text{LOG}_{10}(\text{Station } 02039780 \text{ discharge}) = -1.096 + 1.051 \cdot \text{LOG}_{10}(\text{Station } 02031000 \text{ discharge})$
02039800	Angola Creek at Route 664 near Angola, Va.	01662800	Battle Run at Route 729 near Laurel Mills, Va.	$\text{LOG}_{10}(\text{Station } 02039800 \text{ discharge}) = -0.649 + 0.819 \cdot \text{LOG}_{10}(\text{Station } 01662800 \text{ discharge})$
02040500	Flat Creek at Route 681 near Amelia, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station } 02040500 \text{ discharge}) = 0.929 + 1.101 \cdot \text{LOG}_{10}(\text{Station } 01658500 \text{ discharge})$
02040590	Nibbs Creek above Courthouse Branch near Amelia Court House, Va.	02027000	Tye River at Route 158 near Lovingsston, Va.	$\text{LOG}_{10}(\text{Station } 02040590 \text{ discharge}) = -1.406 + 1.058 \cdot \text{LOG}_{10}(\text{Station } 02027000 \text{ discharge})$
02041130	Winticomack Creek at Route 622 near Winterpock, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station } 02041130 \text{ discharge}) = 0.653 + 0.847 \cdot \text{LOG}_{10}(\text{Station } 01658500 \text{ discharge})$
02041150	Winterpock Creek at Route 664 near Winterpock, Va.	02041000	Deep Creek above Route 153 near Mannboro, Va.	$\text{LOG}_{10}(\text{Station } 02041150 \text{ discharge}) = -2.533 + 1.237 \cdot \text{LOG}_{10}(\text{Station } 02041000 \text{ discharge})$
02041700	Cattail Run above Route 1 at Petersburg, Va.	02013000	Dunlap Creek at Route 60 near Covington, Va.	$\text{LOG}_{10}(\text{Station } 02041700 \text{ discharge}) = -2.644 + 1.636 \cdot \text{LOG}_{10}(\text{Station } 02013000 \text{ discharge})$
02041790	Harrison Branch near Colonial Heights, Va.	01669520	Dragon Swamp at Route 603 at Mascot, Va.	$\text{LOG}_{10}(\text{Station } 02041790 \text{ discharge}) = -1.554 + 0.476 \cdot \text{LOG}_{10}(\text{Station } 01669520 \text{ discharge})$
02041810	Swift Creek at Route 667 near Hallsboro, Va.	01671100	Little River at Route 685 near Doswell, Va.	$\text{LOG}_{10}(\text{Station } 02041810 \text{ discharge}) = -2.497 + 1.626 \cdot \text{LOG}_{10}(\text{Station } 01671100 \text{ discharge})$
02041820	Blackman Creek at Route 667 near Hallsboro, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	$\text{LOG}_{10}(\text{Station } 02041820 \text{ discharge}) = -1.987 + 2.029 \cdot \text{LOG}_{10}(\text{Station } 01673550 \text{ discharge})$
02041830	Horsepen Creek at Route 667 near Hallsboro, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	$\text{LOG}_{10}(\text{Station } 02041830 \text{ discharge}) = -1.250 + 0.989 \cdot \text{LOG}_{10}(\text{Station } 01673800 \text{ discharge})$
02041832	Deep Creek above Swift Creek Reservoir near Hallsboro, Va.	01660400	Aquia Creek at Route 641 near Garrisonville, Va.	$\text{LOG}_{10}(\text{Station } 02041832 \text{ discharge}) = -1.128 + 1.267 \cdot \text{LOG}_{10}(\text{Station } 01660400 \text{ discharge})$
02041840	Otterdale Branch at Route 667 near Hallsboro, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station } 02041840 \text{ discharge}) = -0.625 + 1.118 \cdot \text{LOG}_{10}(\text{Station } 01658500 \text{ discharge})$
02041850	Tomahawk Creek at Route 652 near Hallsboro, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	$\text{LOG}_{10}(\text{Station } 02041850 \text{ discharge}) = -2.032 + 1.925 \cdot \text{LOG}_{10}(\text{Station } 01673550 \text{ discharge})$
02041860	Little Tomahawk Creek at Route 652 near Hallsboro, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	$\text{LOG}_{10}(\text{Station } 02041860 \text{ discharge}) = -2.300 + 1.929 \cdot \text{LOG}_{10}(\text{Station } 01673550 \text{ discharge})$
02041862	Little Tomahawk Creek tributary 1 near Hallsboro, Va.	02015700	Bullpasture River at Route 614 at Williamsville, Va.	$\text{LOG}_{10}(\text{Station } 02041862 \text{ discharge}) = -5.182 + 2.002 \cdot \text{LOG}_{10}(\text{Station } 02015700 \text{ discharge})$
0204186350	Swift Creek tributary 1 near Hallsboro, Va.	02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	$\text{LOG}_{10}(\text{Station } 0204186350 \text{ discharge}) = -3.657 + 1.389 \cdot \text{LOG}_{10}(\text{Station } 02031000 \text{ discharge})$
02041870	Dry Creek above Route 360 near Winterpock, Va.	01656000	Cedar Run at Route 806 near Catlett, Va.	$\text{LOG}_{10}(\text{Station } 02041870 \text{ discharge}) = -2.022 + 1.222 \cdot \text{LOG}_{10}(\text{Station } 01656000 \text{ discharge})$

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Number of X-Y pairs	Distance between sites (mi)	Rsquare	Spearman ρ	LOC slope lower confidence limit	LOC slope upper confidence limit
Station number	Station description	Station number	Station description						
0203888120	Vaughans Creek at Route 609 near Prospect, Va.	02030500	Slate River above Route 676 near Arvonias, Va.	12	19.0	0.96	--	0.60	0.91
02038892	Horsepen Creek at Route 683 near Sheppards, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	10	65.7	0.74	0.88	0.28	1.91
02038945	Spring Creek at Route 659 near Darlington Heights, Va.	02027000	Tye River at Route 158 near Lovingston, Va.	10	46.9	0.83	0.93	0.37	1.23
02038955	Mud Creek at Route 659 near Darlington Heights, Va.	02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	10	54.9	0.87	0.87	0.36	0.95
02038970	Spring Creek at Route 700 near Hampden Sydney, Va.	02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	10	56.5	0.93	0.93	0.53	1.03
02039525	Bush River at Route 630 near Worsham, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	10	86.1	0.82	0.82	0.12	0.42
02039550	Bush River at Route 460 near Rice, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	10	79.0	0.88	0.77	1.22	2.37
02039580	Tanyard Branch at Route 646 near Hampden Sydney, Va.	01671100	Little River at Route 685 near Doswell, Va.	10	60.8	0.76	0.86	0.22	1.26
02039600	Briery Creek at Route 460 (Business) near Rice, Va.	01674500	Mattaponi River near Beulahville, Va.	10	82.0	0.91	0.90	0.58	0.89
02039680	Little Sandy Creek at Route 612 near Moran, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	10	53.4	0.48	0.83	--	--
02039700	Sandy River at Route 460 near Rice, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	14	51.3	0.69	0.86	1.10	5.28
02039760	Saylers Creek above Little Saylers Creek near Rice, Va.	02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	10	58.2	0.85	0.78	0.61	1.89
02039780	Little Saylers Creek above mouth near Rice, Va.	02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	10	57.9	0.88	0.93	0.65	1.70
02039800	Angola Creek at Route 664 near Angola, Va.	01662800	Battle Run at Route 729 near Laurel Mills, Va.	14	93.2	0.73	0.82	0.41	1.62
02040500	Flat Creek at Route 681 near Amelia, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	17	98.4	0.93	0.93	0.85	1.32
02040590	Nibbs Creek above Courthouse Branch near Amelia Court House, Va.	02027000	Tye River at Route 158 near Lovingston, Va.	15	64.4	0.91	0.93	0.80	1.40
02041130	Winticomack Creek at Route 622 near Winterpock, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	8	97.4	0.85	0.98	0.75	3.06
02041150	Winterpock Creek at Route 664 near Winterpock, Va.	02041000	Deep Creek above Route 153 near Mannboro, Va.	12	19.3	0.66	0.95	0.85	7.97
02041700	Cattail Run above Route 1 at Petersburg, Va.	02013000	Dunlap Creek at Route 60 near Covington, Va.	19	154	0.84	0.84	1.18	2.37
02041790	Harrison Branch near Colonial Heights, Va.	01669520	Dragon Swamp at Route 603 at Mascot, Va.	9	45.0	0.76	0.90	0.18	1.27
02041810	Swift Creek at Route 667 near Hallsboro, Va.	01671100	Little River at Route 685 near Doswell, Va.	36	29.9	0.81	0.92	1.29	2.14
02041820	Blackman Creek at Route 667 near Hallsboro, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	43	28.4	0.81	0.87	2.25	3.59
02041830	Horsepen Creek at Route 667 near Hallsboro, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	54	54.7	0.71	0.81	1.18	2.08
02041832	Deep Creek above Swift Creek Reservoir near Hallsboro, Va.	01660400	Aquia Creek at Route 641 near Garrisonville, Va.	18	76.2	0.88	0.93	0.95	1.69
02041840	Otterdale Branch at Route 667 near Hallsboro, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	78	82.1	0.82	0.88	1.03	1.43
02041850	Tomahawk Creek at Route 652 near Hallsboro, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	76	22.0	0.72	0.82	1.85	2.90
02041860	Little Tomahawk Creek at Route 652 near Hallsboro, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	64	21.2	0.71	0.81	1.75	2.92
02041862	Little Tomahawk Creek tributary 1 near Hallsboro, Va.	02015700	Bullpasture River at Route 614 at Williamsville, Va.	20	118	0.81	0.59	2.17	4.56
0204186350	Swift Creek tributary 1 near Hallsboro, Va.	02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	17	70.6	0.94	0.89	1.14	1.69
02041870	Dry Creek above Route 360 near Winterpock, Va.	01656000	Cedar Run at Route 806 near Catlett, Va.	48	89.6	0.81	0.81	1.17	1.82

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		LOG10 low-flow expressed as a function of index-record streamgaging station LOG10 discharge using the MOVE.1 method
Station number	Station description	Station number	Station description	
02041880	Ashbrook Creek (Dry Creek tributary 1) near Winterpock, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	$\text{LOG}_{10}(\text{Station } 02041880 \text{ discharge}) = -1.557 + 1.577 \cdot \text{LOG}_{10}(\text{Station } 01673550 \text{ discharge})$
02041888	West Branch above Swift Creek Reservoir near Hallsboro, Va.	02040000	Appomattox River at railroad bridge at Mattoax, Va.	$\text{LOG}_{10}(\text{Station } 02041888 \text{ discharge}) = -4.859 + 1.777 \cdot \text{LOG}_{10}(\text{Station } 02040000 \text{ discharge})$
02041890	West Branch near Swift Creek Reservoir near Hallsboro, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station } 02041890 \text{ discharge}) = -1.084 + 1.487 \cdot \text{LOG}_{10}(\text{Station } 01658500 \text{ discharge})$
02042050	Franks Branch at Route 626 at Colonial Heights, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	$\text{LOG}_{10}(\text{Station } 02042050 \text{ discharge}) = -1.504 + 1.731 \cdot \text{LOG}_{10}(\text{Station } 01673550 \text{ discharge})$
02042075	Bailey Creek at Fort Lee near Jefferson Park, Va.	01671100	Little River at Route 685 near Doswell, Va.	$\text{LOG}_{10}(\text{Station } 02042075 \text{ discharge}) = -0.775 + 0.434 \cdot \text{LOG}_{10}(\text{Station } 01671100 \text{ discharge})$
02042080	Bailey Creek at Route 156 at Hopewell, Va.	01627500	South River at Route 778 at Harriston, Va.	$\text{LOG}_{10}(\text{Station } 02042080 \text{ discharge}) = -1.311 + 0.970 \cdot \text{LOG}_{10}(\text{Station } 01627500 \text{ discharge})$
02042140	Powell Creek at Route 10 at Garysville, Va.	02036500	Fine Creek at Route 711 at Fine Creek Mills, Va.	$\text{LOG}_{10}(\text{Station } 02042140 \text{ discharge}) = 0.273 + 0.488 \cdot \text{LOG}_{10}(\text{Station } 02036500 \text{ discharge})$
02042160	West Run at Route 625 at Barnettts, Va.	02042500	Chickahominy River at Route 618 near Providence Forge, Va.	$\text{LOG}_{10}(\text{Station } 02042160 \text{ discharge}) = 0.000 + 1.000 \cdot \text{LOG}_{10}(\text{Station } 02042500 \text{ discharge})$
02042190	Courthouse Creek above Glebe Creek at Charles City, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	$\text{LOG}_{10}(\text{Station } 02042190 \text{ discharge}) = -0.611 + 0.381 \cdot \text{LOG}_{10}(\text{Station } 01674000 \text{ discharge})$
02042250	Bailey Branch tributary at Route 10 at Spring Grove, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	$\text{LOG}_{10}(\text{Station } 02042250 \text{ discharge}) = -1.400 + 0.460 \cdot \text{LOG}_{10}(\text{Station } 01667500 \text{ discharge})$
02042272	Chickahominy River tributary 13 near Glen Allen, Va.	02036500	Fine Creek at Route 711 at Fine Creek Mills, Va.	$\text{LOG}_{10}(\text{Station } 02042272 \text{ discharge}) = -0.673 + 0.761 \cdot \text{LOG}_{10}(\text{Station } 02036500 \text{ discharge})$
02042275	Chickahominy River at Route 625 near Glen Allen, Va.	02027500	Piney River at Route 151 at Piney River, Va.	$\text{LOG}_{10}(\text{Station } 02042275 \text{ discharge}) = -3.144 + 2.212 \cdot \text{LOG}_{10}(\text{Station } 02027500 \text{ discharge})$
02042284	Stony Run at Route 656 near Greenwood, Va.	01620500	North River above Forest Road near Stokesville, Va.	$\text{LOG}_{10}(\text{Station } 02042284 \text{ discharge}) = -1.193 + 1.509 \cdot \text{LOG}_{10}(\text{Station } 01620500 \text{ discharge})$
02042288	Chickahominy River at Route 627 near Richmond, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	$\text{LOG}_{10}(\text{Station } 02042288 \text{ discharge}) = -0.645 + 0.923 \cdot \text{LOG}_{10}(\text{Station } 01644000 \text{ discharge})$
02042400	Jordans Branch at Route 250 at Richmond, Va.	01674500	Mattaponi River near Beulahville, Va.	$\text{LOG}_{10}(\text{Station } 02042400 \text{ discharge}) = -8.158 + 2.987 \cdot \text{LOG}_{10}(\text{Station } 01674500 \text{ discharge})$
02042433	Beaverdam Creek at Route 156 at Mechanicsville, Va.	01624800	Christians Creek at Route 794 near Fishersville, Va.	$\text{LOG}_{10}(\text{Station } 02042433 \text{ discharge}) = -0.594 + 0.853 \cdot \text{LOG}_{10}(\text{Station } 01624800 \text{ discharge})$
02042435	Chickahominy River at Route 615 at Highland Springs, Va.	01620500	North River above Forest Road near Stokesville, Va.	$\text{LOG}_{10}(\text{Station } 02042435 \text{ discharge}) = 0.560 + 0.988 \cdot \text{LOG}_{10}(\text{Station } 01620500 \text{ discharge})$
02042440	Chickahominy River at Route 156 near Seven Pines, Va.	01669000	Piscataway Creek at Route 691 near Tappahannock, Va.	$\text{LOG}_{10}(\text{Station } 02042440 \text{ discharge}) = 0.607 + 0.949 \cdot \text{LOG}_{10}(\text{Station } 01669000 \text{ discharge})$
02042455	White Oak Swamp at Route 156 at Elko, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 02042455 \text{ discharge}) = -0.169 + 1.008 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
02042470	Chickahominy River at Route 609 near Roxbury, Va.	01669520	Dragon Swamp at Route 603 at Mascot, Va.	$\text{LOG}_{10}(\text{Station } 02042470 \text{ discharge}) = -1.107 + 1.822 \cdot \text{LOG}_{10}(\text{Station } 01669520 \text{ discharge})$
02042490	Schiminoe Creek tributary at Route 60 near Providence Forge, Va.	01621050	Muddy Creek at Route 726 at Mount Clinton, Va.	$\text{LOG}_{10}(\text{Station } 02042490 \text{ discharge}) = -1.273 + 1.210 \cdot \text{LOG}_{10}(\text{Station } 01621050 \text{ discharge})$
02042700	Collins Run at Route 155 near Providence Forge, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	$\text{LOG}_{10}(\text{Station } 02042700 \text{ discharge}) = -4.054 + 1.882 \cdot \text{LOG}_{10}(\text{Station } 01667500 \text{ discharge})$
02042726	Diascund Creek at Route 628 near New Kent, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	$\text{LOG}_{10}(\text{Station } 02042726 \text{ discharge}) = -0.091 + 0.725 \cdot \text{LOG}_{10}(\text{Station } 01673550 \text{ discharge})$
02042736	Beaverdam Creek at Route 632 near Barhamsville, Va.	01669000	Piscataway Creek at Route 691 near Tappahannock, Va.	$\text{LOG}_{10}(\text{Station } 02042736 \text{ discharge}) = -1.213 + 1.218 \cdot \text{LOG}_{10}(\text{Station } 01669000 \text{ discharge})$
02042752	Mill Creek at Route 603 at Diascund, Va.	01672500	South Anna River at Route 54 near Ashland, Va.	$\text{LOG}_{10}(\text{Station } 02042752 \text{ discharge}) = -1.643 + 1.058 \cdot \text{LOG}_{10}(\text{Station } 01672500 \text{ discharge})$
02042754	Yarmouth Creek below Cranstons Pond at Route 632 near Toano, Va.	01669000	Piscataway Creek at Route 691 near Tappahannock, Va.	$\text{LOG}_{10}(\text{Station } 02042754 \text{ discharge}) = -0.080 + 0.687 \cdot \text{LOG}_{10}(\text{Station } 01669000 \text{ discharge})$
02042756	Gordon Creek below Jolly Pond at Route 633 near Lightfoot, Va.	01616000	Abrams Creek above Route 659 near Winchester, Va.	$\text{LOG}_{10}(\text{Station } 02042756 \text{ discharge}) = -5.880 + 4.255 \cdot \text{LOG}_{10}(\text{Station } 01616000 \text{ discharge})$
02042765	James River tributary at Route 5 near Five Forks, Va.	01622000	North River along Route 693 near Burkettown, Va.	$\text{LOG}_{10}(\text{Station } 02042765 \text{ discharge}) = -3.521 + 1.271 \cdot \text{LOG}_{10}(\text{Station } 01622000 \text{ discharge})$
02042780	West Branch Long Hill Swamp at Route 612 near Lightfoot, Va.	01622000	North River along Route 693 near Burkettown, Va.	$\text{LOG}_{10}(\text{Station } 02042780 \text{ discharge}) = -2.181 + 1.073 \cdot \text{LOG}_{10}(\text{Station } 01622000 \text{ discharge})$
02042782	Powhatan Creek at Route 5 at Five Forks, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	$\text{LOG}_{10}(\text{Station } 02042782 \text{ discharge}) = -1.642 + 1.966 \cdot \text{LOG}_{10}(\text{Station } 01673550 \text{ discharge})$

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Number of X-Y pairs	Distance between sites (mi)	Rsquare	Spearman ρ	LOC slope lower confidence limit	LOC slope upper confidence limit
Station number	Station description	Station number	Station description						
02041880	Ashbrook Creek (Dry Creek tributary 1) near Winterpock, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	23	26.9	0.84	0.92	1.74	3.17
02041888	West Branch above Swift Creek Reservoir near Hallsboro, Va.	02040000	Appomattox River at railroad bridge at Mattoax, Va.	11	37.3	0.62	0.83	0.42	16.14
02041890	West Branch near Swift Creek Reservoir near Hallsboro, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	11	84.2	0.84	0.83	1.28	1.82
02042050	Franks Branch at Route 626 at Colonial Heights, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	11	28.6	0.92	0.83	0.95	1.91
02042075	Bailey Creek at Fort Lee near Jefferson Park, Va.	01671100	Little River at Route 685 near Doswell, Va.	11	52.2	0.91	0.78	0.33	0.58
02042080	Bailey Creek at Route 156 at Hopewell, Va.	01627500	South River at Route 778 at Harriston, Va.	11	106	0.82	0.78	0.70	1.35
02042140	Powell Creek at Route 10 at Garysville, Va.	02036500	Fine Creek at Route 711 at Fine Creek Mills, Va.	18	46.9	0.76	0.65	0.30	0.79
02042160	West Run at Route 625 at Barnettts, Va.	02042500	Chickahominy River at Route 618 near Providence Forge, Va.	18	16.4	0.59	0.54	--	--
02042190	Courthouse Creek above Glebe Creek at Charles City, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	18	62.4	0.84	0.54	0.23	0.62
02042250	Bailey Branch tributary at Route 10 at Spring Grove, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	18	107	0.68	0.54	0.12	1.73
02042272	Chickahominy River tributary 13 near Glen Allen, Va.	02036500	Fine Creek at Route 711 at Fine Creek Mills, Va.	10	20.2	0.68	0.72	0.19	3.11
02042275	Chickahominy River at Route 625 near Glen Allen, Va.	02027500	Piney River at Route 151 at Piney River, Va.	10	84.4	0.77	0.85	0.96	5.10
02042284	Stony Run at Route 656 near Greenwood, Va.	01620500	North River above Forest Road near Stokesville, Va.	10	108	0.84	0.88	0.84	2.72
02042288	Chickahominy River at Route 627 near Richmond, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	10	91.2	0.65	0.88	--	--
02042400	Jordans Branch at Route 250 at Richmond, Va.	01674500	Mattaponi River near Beulahville, Va.	10	34.1	0.54	0.67	--	--
02042433	Beaverdam Creek at Route 156 at Mechanicsville, Va.	01624800	Christians Creek at Route 794 near Fishersville, Va.	10	100	0.88	0.67	0.53	1.37
02042435	Chickahominy River at Route 615 at Highland Springs, Va.	01620500	North River above Forest Road near Stokesville, Va.	10	110	0.84	0.67	0.60	1.63
02042440	Chickahominy River at Route 156 near Seven Pines, Va.	01669000	Piscataway Creek at Route 691 near Tappahannock, Va.	10	30.9	0.78	0.67	0.69	1.31
02042455	White Oak Swamp at Route 156 at Elko, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	14	94.9	0.39	0.76	--	--
02042470	Chickahominy River at Route 609 near Roxbury, Va.	01669520	Dragon Swamp at Route 603 at Mascot, Va.	9	32.9	0.75	0.92	0.64	5.61
02042490	Schiminoe Creek tributary at Route 60 near Providence Forge, Va.	01621050	Muddy Creek at Route 726 at Mount Clinton, Va.	13	124	0.89	0.94	0.84	1.74
02042700	Collins Run at Route 155 near Providence Forge, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	18	93.2	0.82	0.87	1.57	3.38
02042726	Diascund Creek at Route 628 near New Kent, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	60	23.0	0.75	0.84	0.57	0.92
02042736	Beaverdam Creek at Route 632 near Barhamsville, Va.	01669000	Piscataway Creek at Route 691 near Tappahannock, Va.	39	26.2	0.83	0.83	1.05	1.67
02042752	Mill Creek at Route 603 at Diascund, Va.	01672500	South Anna River at Route 54 near Ashland, Va.	10	69.7	0.93	0.98	0.77	1.46
02042754	Yarmouth Creek below Cranstons Pond at Route 632 near Toano, Va.	01669000	Piscataway Creek at Route 691 near Tappahannock, Va.	10	36.9	0.87	0.94	0.41	1.14
02042756	Gordon Creek below Jolly Pond at Route 633 near Lightfoot, Va.	01616000	Abrams Creek above Route 659 near Winchester, Va.	10	148	0.90	0.93	2.80	6.46
02042765	James River tributary at Route 5 near Five Forks, Va.	01622000	North River along Route 693 near Burkettown, Va.	10	148	0.88	0.95	0.80	2.02
02042780	West Branch Long Hill Swamp at Route 612 near Lightfoot, Va.	01622000	North River along Route 693 near Burkettown, Va.	12	147	0.70	--	0.44	2.60
02042782	Powhatan Creek at Route 5 at Five Forks, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	16	40.8	0.93	0.93	1.57	2.46

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		LOG10 low-flow expressed as a function of index-record streamgaging station LOG10 discharge using the MOVE.1 method
Station number	Station description	Station number	Station description	
02042787	Skiffes Creek at Plantation Road near Lee Hall, Va.	02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	$\text{LOG10}(\text{Station } 02042787 \text{ discharge}) = -3.173 + 1.590 \cdot \text{LOG10}(\text{Station } 02031000 \text{ discharge})$
0204278995	Baptist Run at Route 637 near Yorktown, Va.	01669520	Dragon Swamp at Route 603 at Mascot, Va.	$\text{LOG10}(\text{Station } 0204278995 \text{ discharge}) = -2.925 + 1.478 \cdot \text{LOG10}(\text{Station } 01669520 \text{ discharge})$
02043828	Pasquotank River near South Mills, N.C.	01484800	Guy Creek at Route 606 near Nassawadox, Va.	$\text{LOG10}(\text{Station } 02043828 \text{ discharge}) = 2.062 + 1.041 \cdot \text{LOG10}(\text{Station } 01484800 \text{ discharge})$
02044200	Falls Creek tributary at Route 49 near Victoria, Va.	02024000	Maury River near Buena Vista, Va.	$\text{LOG10}(\text{Station } 02044200 \text{ discharge}) = -5.778 + 1.921 \cdot \text{LOG10}(\text{Station } 02024000 \text{ discharge})$
02044300	Little Nottoway River at Route 40 near Blackstone, Va.	02030500	Slate River above Route 676 near Arvonnia, Va.	$\text{LOG10}(\text{Station } 02044300 \text{ discharge}) = -2.578 + 2.159 \cdot \text{LOG10}(\text{Station } 02030500 \text{ discharge})$
02044550	Beaver Pond Creek at Route 612 near Rawlings, Va.	01672500	South Anna River at Route 54 near Ashland, Va.	$\text{LOG10}(\text{Station } 02044550 \text{ discharge}) = -1.805 + 1.051 \cdot \text{LOG10}(\text{Station } 01672500 \text{ discharge})$
02044900	Great Creek above McKenney wastewater outfall near McKinney, Va.	02051500	Meherrin River at Route 715 near Lawrenceville, Va.	$\text{LOG10}(\text{Station } 02044900 \text{ discharge}) = -4.832 + 2.060 \cdot \text{LOG10}(\text{Station } 02051500 \text{ discharge})$
02045000	Nottoway River at Route 1 near McKenney, Va.	01674500	Mattaponi River near Beulahville, Va.	$\text{LOG10}(\text{Station } 02045000 \text{ discharge}) = -0.370 + 1.043 \cdot \text{LOG10}(\text{Station } 01674500 \text{ discharge})$
02046250	Stony Creek above Stony Creek wastewater outfall at Stony Creek, Va.	02011400	Jackson River along Route 603 near Bacova, Va.	$\text{LOG10}(\text{Station } 02046250 \text{ discharge}) = -3.714 + 2.862 \cdot \text{LOG10}(\text{Station } 02011400 \text{ discharge})$
02046265	Hatcher Run at Route 627 near Five Forks, Va.	01656000	Cedar Run at Route 806 near Catlett, Va.	$\text{LOG10}(\text{Station } 02046265 \text{ discharge}) = -0.969 + 0.949 \cdot \text{LOG10}(\text{Station } 01656000 \text{ discharge})$
02046328	Rowanty Creek at Route 605 near Reams, Va.	01652500	Fourmile Run at Shirlington Road at Alexandria, Va.	$\text{LOG10}(\text{Station } 02046328 \text{ discharge}) = -2.817 + 3.978 \cdot \text{LOG10}(\text{Station } 01652500 \text{ discharge})$
02046370	Rowanty Creek at Route 602 near Stony Creek, Va.	02049500	Blackwater River near Franklin, Va.	$\text{LOG10}(\text{Station } 02046370 \text{ discharge}) = -0.086 + 0.865 \cdot \text{LOG10}(\text{Station } 02049500 \text{ discharge})$
02046446	Nebletts Mill Run at Route 35 near Homeville, Va.	02047500	Blackwater River at Route 617 near Dendron, Va.	$\text{LOG10}(\text{Station } 02046446 \text{ discharge}) = -1.577 + 1.307 \cdot \text{LOG10}(\text{Station } 02047500 \text{ discharge})$
02046448	Nebletts Mill Run tributary at Route 35 near Homeville, Va.	02042500	Chickahominy River at Route 618 near Providence Forge, Va.	$\text{LOG10}(\text{Station } 02046448 \text{ discharge}) = -3.514 + 1.390 \cdot \text{LOG10}(\text{Station } 02042500 \text{ discharge})$
02046750	Three Creek at Route 616 near Emporia, Va.	02018000	Craig Creek at abandoned railroad bridge at Parr, Va.	$\text{LOG10}(\text{Station } 02046750 \text{ discharge}) = -3.854 + 2.179 \cdot \text{LOG10}(\text{Station } 02018000 \text{ discharge})$
02047012	Buckhorn Swamp at Route 652 near Capron, Va.	02021500	Maury River above Route 39 at Rockbridge Baths, Va.	$\text{LOG10}(\text{Station } 02047012 \text{ discharge}) = -2.545 + 1.320 \cdot \text{LOG10}(\text{Station } 02021500 \text{ discharge})$
02047027	Buckhorn Swamp at Route 651 near Sebrell, Va.	02018000	Craig Creek at abandoned railroad bridge at Parr, Va.	$\text{LOG10}(\text{Station } 02047027 \text{ discharge}) = -3.613 + 1.824 \cdot \text{LOG10}(\text{Station } 02018000 \text{ discharge})$
02047039	Black Swamp at Route 626 near Newville, Va.	01662800	Battle Run at Route 729 near Laurel Mills, Va.	$\text{LOG10}(\text{Station } 02047039 \text{ discharge}) = -1.470 + 1.385 \cdot \text{LOG10}(\text{Station } 01662800 \text{ discharge})$
02047400	Blackwater Swamp (River) at Route 625 near Disputanta, Va.	01672500	South Anna River at Route 54 near Ashland, Va.	$\text{LOG10}(\text{Station } 02047400 \text{ discharge}) = -2.438 + 1.809 \cdot \text{LOG10}(\text{Station } 01672500 \text{ discharge})$
0204741367	Warwick Swamp at Route 627 near Disputanta, Va.	02032250	Moormans River at Route 601 near Free Union, Va.	$\text{LOG10}(\text{Station } 0204741367 \text{ discharge}) = -1.298 + 1.247 \cdot \text{LOG10}(\text{Station } 02032250 \text{ discharge})$
02047420	Warwick Swamp at Route 613 near Disputanta, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	$\text{LOG10}(\text{Station } 02047420 \text{ discharge}) = -1.805 + 2.649 \cdot \text{LOG10}(\text{Station } 01673550 \text{ discharge})$
0204744082	Otterdam Swamp tributary (Buzzard Branch) near Waverly, Va.	02047500	Blackwater River at Route 617 near Dendron, Va.	$\text{LOG10}(\text{Station } 0204744082 \text{ discharge}) = -2.199 + 1.010 \cdot \text{LOG10}(\text{Station } 02047500 \text{ discharge})$
02049700	Cypress Swamp at Route 635 near Burdette, Va.	01656000	Cedar Run at Route 806 near Catlett, Va.	$\text{LOG10}(\text{Station } 02049700 \text{ discharge}) = 0.000 + 1.000 \cdot \text{LOG10}(\text{Station } 01656000 \text{ discharge})$
02051032	Big Juniper Creek at Route 690 near Rehoboth, Va.	02030500	Slate River above Route 676 near Arvonnia, Va.	$\text{LOG10}(\text{Station } 02051032 \text{ discharge}) = -1.196 + 1.028 \cdot \text{LOG10}(\text{Station } 02030500 \text{ discharge})$
02051046	North Meherrin River at Route 49 below Couches Creek near Lunenburg, Va.	02030500	Slate River above Route 676 near Arvonnia, Va.	$\text{LOG10}(\text{Station } 02051046 \text{ discharge}) = -0.556 + 1.020 \cdot \text{LOG10}(\text{Station } 02030500 \text{ discharge})$
02051054	Kits Creek at Route 49 near Rehoboth, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG10}(\text{Station } 02051054 \text{ discharge}) = -0.580 + 0.939 \cdot \text{LOG10}(\text{Station } 01658500 \text{ discharge})$
02051071	Reedy Creek at Route 671 near Rehoboth, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	$\text{LOG10}(\text{Station } 02051071 \text{ discharge}) = -0.989 + 0.943 \cdot \text{LOG10}(\text{Station } 01673800 \text{ discharge})$
02051100	South Meherrin River at Route 49 near Chase City, Va.	02016000	Cowpasture River below Route 633 near Clifton Forge, Va.	$\text{LOG10}(\text{Station } 02051100 \text{ discharge}) = -2.549 + 1.385 \cdot \text{LOG10}(\text{Station } 02016000 \text{ discharge})$
02051108	South Meherrin River at Route 634 near Chase City, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG10}(\text{Station } 02051108 \text{ discharge}) = 0.373 + 1.046 \cdot \text{LOG10}(\text{Station } 01658500 \text{ discharge})$

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Number of X-Y pairs	Distance between sites (mi)	Rsquare	Spearman ρ	LOC slope lower confidence limit	LOC slope upper confidence limit
Station number	Station description	Station number	Station description						
02042787	Skiffes Creek at Plantation Road near Lee Hall, Va.	02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	15	128	0.83	0.74	1.07	2.50
0204278995	Baptist Run at Route 637 near Yorktown, Va.	01669520	Dragon Swamp at Route 603 at Mascot, Va.	20	38.6	0.81	0.88	1.01	2.16
02043828	Pasquotank River near South Mills, N.C.	01484800	Guy Creek at Route 606 near Nassawadox, Va.	10	82.2	0.47	0.33	--	--
02044200	Falls Creek tributary at Route 49 near Victoria, Va.	02024000	Mauzy River near Buena Vista, Va.	11	93.4	0.86	--	1.18	3.09
02044300	Little Nottoway River at Route 40 near Blackstone, Va.	02030500	Slate River above Route 676 near Arvonias, Va.	17	40.3	0.76	0.81	1.30	3.59
02044550	Beaver Pond Creek at Route 612 near Rawlings, Va.	01672500	South Anna River at Route 54 near Ashland, Va.	16	61.2	0.90	0.89	0.78	1.41
02044900	Great Creek above McKenney wastewater outfall near McKinney, Va.	02051500	Meherrin River at Route 715 near Lawrenceville, Va.	7	28.0	0.92	1.00	1.74	5.06
02045000	Nottoway River at Route 1 near McKenney, Va.	01674500	Mattaponi River near Beulahville, Va.	11	77.9	0.96	--	0.85	1.28
02046250	Stony Creek above Stony Creek wastewater outfall at Stony Creek, Va.	02011400	Jackson River along Route 603 near Bacova, Va.	13	139	0.91	0.92	2.07	3.95
02046265	Hatcher Run at Route 627 near Five Forks, Va.	01656000	Cedar Run at Route 806 near Catlett, Va.	14	106	0.82	0.88	0.59	1.52
02046328	Rowanty Creek at Route 605 near Reams, Va.	01652500	Fourmile Run at Shirlington Road at Alexandria, Va.	10	121	0.91	0.98	2.69	5.88
02046370	Rowanty Creek at Route 602 near Stony Creek, Va.	02049500	Blackwater River near Franklin, Va.	6	29.4	0.92	0.77	0.47	1.82
02046446	Nebletts Mill Run at Route 35 near Homeville, Va.	02047500	Blackwater River at Route 617 near Dendron, Va.	7	8.04	0.97	1.00	1.23	2.16
02046448	Nebletts Mill Run tributary at Route 35 near Homeville, Va.	02042500	Chickahominy River at Route 618 near Providence Forge, Va.	6	42.4	0.85	0.94	0.57	8.61
02046750	Three Creek at Route 616 near Emporia, Va.	02018000	Craig Creek at abandoned railroad bridge at Parr, Va.	21	150	0.81	0.80	1.51	3.14
02047012	Buckhorn Swamp at Route 652 near Capron, Va.	02021500	Mauzy River above Route 39 at Rockbridge Baths, Va.	11	157	0.76	0.76	1.00	2.24
02047027	Buckhorn Swamp at Route 651 near Sebrell, Va.	02018000	Craig Creek at abandoned railroad bridge at Parr, Va.	11	174	0.73	0.76	1.18	3.04
02047039	Black Swamp at Route 626 near Newville, Va.	01662800	Battle Run at Route 729 near Laurel Mills, Va.	11	125	0.98	--	1.19	1.62
02047400	Blackwater Swamp (River) at Route 625 near Disputanta, Va.	01672500	South Anna River at Route 54 near Ashland, Va.	16	61.8	0.79	0.74	1.24	3.21
0204741367	Warwick Swamp at Route 627 near Disputanta, Va.	02032250	Moormans River at Route 601 near Free Union, Va.	11	103	0.89	--	1.58	3.49
02047420	Warwick Swamp at Route 613 near Disputanta, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	12	38.4	0.75	--	1.77	7.42
0204744082	Otterdam Swamp tributary (Buzzard Branch) near Waverly, Va.	02047500	Blackwater River at Route 617 near Dendron, Va.	11	5.01	0.86	--	0.62	1.63
02049700	Cypress Swamp at Route 635 near Burdette, Va.	01656000	Cedar Run at Route 806 near Catlett, Va.	14	140	0.88	0.89	0.93	1.86
02051032	Big Juniper Creek at Route 690 near Rehoboth, Va.	02030500	Slate River above Route 676 near Arvonias, Va.	11	41.9	0.95	--	1.13	1.86
02051046	North Meherrin River at Route 49 below Couches Creek near Lunenburg, Va.	02030500	Slate River above Route 676 near Arvonias, Va.	12	40.5	0.98	--	0.89	1.17
02051054	Kits Creek at Route 49 near Rehoboth, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	11	126	0.92	--	0.83	1.58
02051071	Reedy Creek at Route 671 near Rehoboth, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	12	93.2	0.94	--	0.73	1.21
02051100	South Meherrin River at Route 49 near Chase City, Va.	02016000	Cowpasture River below Route 633 near Clifton Forge, Va.	15	106	0.72	0.75	0.72	2.66
02051108	South Meherrin River at Route 634 near Chase City, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	12	132	0.98	--	0.89	1.23

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		LOG10 low-flow expressed as a function of index-record streamgaging station LOG10 discharge using the MOVE.1 method
Station number	Station description	Station number	Station description	
02051131	Middle Meherrin River at Route 634 near Scotts Crossroad, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	$\text{LOG}_{10}(\text{Station } 02051131 \text{ discharge}) = -0.998 + 1.105 \cdot \text{LOG}_{10}(\text{Station } 01673800 \text{ discharge})$
02051190	Meherrin River at Route 637 near South Hill, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	$\text{LOG}_{10}(\text{Station } 02051190 \text{ discharge}) = 0.457 + 0.871 \cdot \text{LOG}_{10}(\text{Station } 01673800 \text{ discharge})$
02051200	Flat Rock Creek at Route 647 near Kenbridge, Va.	02017500	Johns Creek at Route 615 at New Castle, Va.	$\text{LOG}_{10}(\text{Station } 02051200 \text{ discharge}) = -1.840 + 1.573 \cdot \text{LOG}_{10}(\text{Station } 02017500 \text{ discharge})$
02051218	Flat Rock Creek at Route 612 near Bagleys Mills, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	$\text{LOG}_{10}(\text{Station } 02051218 \text{ discharge}) = 0.182 + 0.580 \cdot \text{LOG}_{10}(\text{Station } 01674000 \text{ discharge})$
02051593	Great Creek at Route 1 near Cochran, Va.	02030500	Slate River above Route 676 near Arvonnia, Va.	$\text{LOG}_{10}(\text{Station } 02051593 \text{ discharge}) = -1.359 + 1.127 \cdot \text{LOG}_{10}(\text{Station } 02030500 \text{ discharge})$
02051616	Great Creek at Route 713 at Lawrenceville, Va.	01631000	South Fork Shenandoah River below Route 619 at Front Royal, Va.	$\text{LOG}_{10}(\text{Station } 02051616 \text{ discharge}) = -3.376 + 1.519 \cdot \text{LOG}_{10}(\text{Station } 01631000 \text{ discharge})$
02051625	Roses Creek at Route 646 near Alberta, Va.	01626000	South River at Route 664 near Waynesboro, Va.	$\text{LOG}_{10}(\text{Station } 02051625 \text{ discharge}) = -2.835 + 1.486 \cdot \text{LOG}_{10}(\text{Station } 01626000 \text{ discharge})$
02051715	Roses Creek at Route 58 at Lawrenceville, Va.	01626000	South River at Route 664 near Waynesboro, Va.	$\text{LOG}_{10}(\text{Station } 02051715 \text{ discharge}) = -2.380 + 1.604 \cdot \text{LOG}_{10}(\text{Station } 01626000 \text{ discharge})$
02052180	Rattlesnake Creek at Route 672 near Triplet, Va.	02027000	Tye River at Route 158 near Lovingston, Va.	$\text{LOG}_{10}(\text{Station } 02052180 \text{ discharge}) = -1.777 + 1.289 \cdot \text{LOG}_{10}(\text{Station } 02027000 \text{ discharge})$
02054120	North Fork Roanoke River along Route 723 near Lusters Gate, Va.	01668800	Hoskins Creek at Route 717 near Tappahannock, Va.	$\text{LOG}_{10}(\text{Station } 02054120 \text{ discharge}) = -0.230 + 1.575 \cdot \text{LOG}_{10}(\text{Station } 01668800 \text{ discharge})$
02054190	Wilson Creek at Route 603 at Ellett, Va.	02017500	Johns Creek at Route 615 at New Castle, Va.	$\text{LOG}_{10}(\text{Station } 02054190 \text{ discharge}) = -0.333 + 0.659 \cdot \text{LOG}_{10}(\text{Station } 02017500 \text{ discharge})$
02054195	North Fork Roanoke River at Route 603 at Ellett, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	$\text{LOG}_{10}(\text{Station } 02054195 \text{ discharge}) = -0.606 + 1.068 \cdot \text{LOG}_{10}(\text{Station } 02030000 \text{ discharge})$
02055370	Carvin Creek at Route 115 at Roanoke, Va.	01615000	Opequon Creek above Route 7 near Berryville, Va.	$\text{LOG}_{10}(\text{Station } 02055370 \text{ discharge}) = -0.434 + 0.980 \cdot \text{LOG}_{10}(\text{Station } 01615000 \text{ discharge})$
02055515	Lick Run above Norfolk wastewater outfall at Roanoke, Va.	01621050	Muddy Creek at Route 726 at Mount Clinton, Va.	$\text{LOG}_{10}(\text{Station } 02055515 \text{ discharge}) = 0.718 + 0.294 \cdot \text{LOG}_{10}(\text{Station } 01621050 \text{ discharge})$
02055520	Glade Creek above mouth at Vinton, Va.	01669000	Piscataway Creek at Route 691 near Tappahannock, Va.	$\text{LOG}_{10}(\text{Station } 02055520 \text{ discharge}) = 0.487 + 0.588 \cdot \text{LOG}_{10}(\text{Station } 01669000 \text{ discharge})$
02056500	Back Creek at Route 220 near Roanoke, Va.	01668000	Rappahannock River below Motts Run near Fredericksburg, Va.	$\text{LOG}_{10}(\text{Station } 02056500 \text{ discharge}) = -1.530 + 1.015 \cdot \text{LOG}_{10}(\text{Station } 01668000 \text{ discharge})$
02056700	Beaverdam Creek at Route 757 near Hardy, Va.	02018000	Craig Creek at abandoned railroad bridge at Parr, Va.	$\text{LOG}_{10}(\text{Station } 02056700 \text{ discharge}) = -1.293 + 1.033 \cdot \text{LOG}_{10}(\text{Station } 02018000 \text{ discharge})$
02056800	South Fork Blackwater River above school wastewater outfall at Callaway, Va.	01666500	Robinson (Robertson) River at Route 614 near Locust Dale, Va.	$\text{LOG}_{10}(\text{Station } 02056800 \text{ discharge}) = -0.961 + 1.046 \cdot \text{LOG}_{10}(\text{Station } 01666500 \text{ discharge})$
02057050	Gills Creek at Route 122 near Burnt Chimney, Va.	01666500	Robinson (Robertson) River at Route 614 near Locust Dale, Va.	$\text{LOG}_{10}(\text{Station } 02057050 \text{ discharge}) = -0.502 + 0.768 \cdot \text{LOG}_{10}(\text{Station } 01666500 \text{ discharge})$
02057600	Pigg River at Route 40 near Rocky Mount, Va.	01624300	Middle River at Route 742 near Verona, Va.	$\text{LOG}_{10}(\text{Station } 02057600 \text{ discharge}) = -0.458 + 0.971 \cdot \text{LOG}_{10}(\text{Station } 01624300 \text{ discharge})$
02057650	Pigg River above wastewater outfall at Rocky Mount, Va.	02017500	Johns Creek at Route 615 at New Castle, Va.	$\text{LOG}_{10}(\text{Station } 02057650 \text{ discharge}) = 0.843 + 0.526 \cdot \text{LOG}_{10}(\text{Station } 02017500 \text{ discharge})$
02057750	Little Chestnut Creek near Sydnorsville, Va.	01668800	Hoskins Creek at Route 717 near Tappahannock, Va.	$\text{LOG}_{10}(\text{Station } 02057750 \text{ discharge}) = -0.690 + 1.621 \cdot \text{LOG}_{10}(\text{Station } 01668800 \text{ discharge})$
02058100	Turkeycock Creek at Route 969 at Sago, Va.	01656500	Broad Run at Route 29 at Buckland, Va.	$\text{LOG}_{10}(\text{Station } 02058100 \text{ discharge}) = 0.147 + 0.854 \cdot \text{LOG}_{10}(\text{Station } 01656500 \text{ discharge})$
02059420	North Fork Goose Creek at Route 460 near Montvale (Thaxton), Va.	02013000	Dunlap Creek at Route 60 near Covington, Va.	$\text{LOG}_{10}(\text{Station } 02059420 \text{ discharge}) = 0.000 + 1.000 \cdot \text{LOG}_{10}(\text{Station } 02013000 \text{ discharge})$
02059450	South Fork Goose Creek at Route 607 at Montvale, Va.	02016000	Cowpasture River below Route 633 near Clifton Forge, Va.	$\text{LOG}_{10}(\text{Station } 02059450 \text{ discharge}) = -0.897 + 0.713 \cdot \text{LOG}_{10}(\text{Station } 02016000 \text{ discharge})$
02059452	Goose Creek at Route 726 near Irving, Va.	02020500	Calfpasture River at Route 42 above Mill Creek, at Goshen, Va.	$\text{LOG}_{10}(\text{Station } 02059452 \text{ discharge}) = 0.703 + 0.371 \cdot \text{LOG}_{10}(\text{Station } 02020500 \text{ discharge})$
02059459	Bore Auger Creek at Route 754 near Irving, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	$\text{LOG}_{10}(\text{Station } 02059459 \text{ discharge}) = -2.287 + 1.644 \cdot \text{LOG}_{10}(\text{Station } 02030000 \text{ discharge})$
02059490	Stony Fork at Route 608 near Moneta, Va.	02013000	Dunlap Creek at Route 60 near Covington, Va.	$\text{LOG}_{10}(\text{Station } 02059490 \text{ discharge}) = -2.331 + 1.810 \cdot \text{LOG}_{10}(\text{Station } 02013000 \text{ discharge})$
02060000	Goose Creek at Route 626 at Huddleston, Va.	01625000	Middle River at Route 769 near Grottoes, Va.	$\text{LOG}_{10}(\text{Station } 02060000 \text{ discharge}) = 0.368 + 0.794 \cdot \text{LOG}_{10}(\text{Station } 01625000 \text{ discharge})$

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Number of X-Y pairs	Distance between sites (mi)	Rsquare	Spearman ρ	LOC slope lower confidence limit	LOC slope upper confidence limit
Station number	Station description	Station number	Station description						
02051131	Middle Meherrin River at Route 634 near Scotts Crossroad, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	12	97.5	0.89	--	0.75	1.62
02051190	Meherrin River at Route 637 near South Hill, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	12	96.1	0.94	--	0.67	1.13
02051200	Flat Rock Creek at Route 647 near Kenbridge, Va.	02017500	Johns Creek at Route 615 at New Castle, Va.	26	125	0.73	0.89	1.04	2.39
02051218	Flat Rock Creek at Route 612 near Bagleys Mills, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	13	92.2	0.94	0.92	0.45	0.74
02051593	Great Creek at Route 1 near Cochran, Va.	02030500	Slate River above Route 676 near Arvonnia, Va.	11	58.6	0.99	--	1.00	1.27
02051616	Great Creek at Route 713 at Lawrenceville, Va.	01631000	South Fork Shenandoah River below Route 619 at Front Royal, Va.	11	116	0.93	--	1.11	2.08
02051625	Roses Creek at Route 646 near Alberta, Va.	01626000	South River at Route 664 near Waynesboro, Va.	10	101	0.95	0.99	1.14	1.94
02051715	Roses Creek at Route 58 at Lawrenceville, Va.	01626000	South River at Route 664 near Waynesboro, Va.	10	103	0.94	0.99	1.18	2.19
02052180	Rattlesnake Creek at Route 672 near Triplet, Va.	02027000	Tye River at Route 158 near Lovingston, Va.	10	106	0.94	0.95	1.07	1.98
02054120	North Fork Roanoke River along Route 723 near Lusters Gate, Va.	01668800	Hoskins Creek at Route 717 near Tappahannock, Va.	20	187	0.68	0.77	0.87	2.85
02054190	Wilson Creek at Route 603 at Ellett, Va.	02017500	Johns Creek at Route 615 at New Castle, Va.	10	20.1	0.96	0.96	0.51	0.85
02054195	North Fork Roanoke River at Route 603 at Ellett, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	12	106	0.90	--	0.75	1.52
02055370	Carvin Creek at Route 115 at Roanoke, Va.	01615000	Opequon Creek above Route 7 near Berryville, Va.	10	156	0.94	0.96	0.73	1.31
02055515	Lick Run above Norfolk wastewater outfall at Roanoke, Va.	01621050	Muddy Creek at Route 726 at Mount Clinton, Va.	13	101	0.69	0.81	0.12	0.70
02055520	Glade Creek above mouth at Vinton, Va.	01669000	Piscataway Creek at Route 691 near Tappahannock, Va.	9	162	0.84	0.85	0.28	1.01
02056500	Back Creek at Route 220 near Roanoke, Va.	01668000	Rappahannock River below Motts Run near Fredericksburg, Va.	10	141	0.91	0.88	0.77	1.42
02056700	Beaverdam Creek at Route 757 near Hardy, Va.	02018000	Craig Creek at abandoned railroad bridge at Parr, Va.	18	26.9	0.86	0.94	0.74	1.44
02056800	South Fork Blackwater River above school wastewater outfall at Callaway, Va.	01666500	Robinson (Robertson) River at Route 614 near Locust Dale, Va.	10	139	0.94	0.98	0.76	1.44
02057050	Gills Creek at Route 122 near Burnt Chimney, Va.	01666500	Robinson (Robertson) River at Route 614 near Locust Dale, Va.	10	125	0.76	0.95	0.42	1.40
02057600	Pigg River at Route 40 near Rocky Mount, Va.	01624300	Middle River at Route 742 near Verona, Va.	10	96.6	0.88	0.99	0.60	1.58
02057650	Pigg River above wastewater outfall at Rocky Mount, Va.	02017500	Johns Creek at Route 615 at New Castle, Va.	14	38.8	0.74	0.93	0.28	1.00
02057750	Little Chestnut Creek near Sydnorsville, Va.	01668800	Hoskins Creek at Route 717 near Tappahannock, Va.	10	173	0.90	0.96	1.08	2.43
02058100	Turkeycock Creek at Route 969 at Sago, Va.	01656500	Broad Run at Route 29 at Buckland, Va.	14	173	0.86	0.87	0.58	1.27
02059420	North Fork Goose Creek at Route 460 near Montvale (Thaxton), Va.	02013000	Dunlap Creek at Route 60 near Covington, Va.	21	34.8	0.92	0.93	0.34	0.51
02059450	South Fork Goose Creek at Route 607 at Montvale, Va.	02016000	Cowpasture River below Route 633 near Clifton Forge, Va.	15	51.7	0.87	0.94	0.50	1.01
02059452	Goose Creek at Route 726 near Irving, Va.	02020500	Calfpasture River at Route 42 above Mill Creek, at Goshen, Va.	10	57.7	0.92	0.90	0.26	0.53
02059459	Bore Auger Creek at Route 754 near Irving, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	10	75.3	0.98	0.98	1.40	1.93
02059490	Stony Fork at Route 608 near Moneta, Va.	02013000	Dunlap Creek at Route 60 near Covington, Va.	10	46.3	0.67	0.95	0.43	7.69
02060000	Goose Creek at Route 626 at Huddleston, Va.	01625000	Middle River at Route 769 near Grottoes, Va.	15	67.4	0.96	0.95	0.66	0.95

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		LOG10 low-flow expressed as a function of index-record streamgaging station LOG10 discharge using the MOVE.1 method
Station number	Station description	Station number	Station description	
02060400	Sycamore Creek at Route 643 at Sycamore, Va.	01627500	South River at Route 778 at Harrison, Va.	$\text{LOG}_{10}(\text{Station } 02060400 \text{ discharge}) = -1.489 + 0.824 \cdot \text{LOG}_{10}(\text{Station } 01627500 \text{ discharge})$
02060592	Sheep Creek at Route 688 near Thaxton, Va.	01631000	South Fork Shenandoah River below Route 619 at Front Royal, Va.	$\text{LOG}_{10}(\text{Station } 02060592 \text{ discharge}) = -17.080 + 5.969 \cdot \text{LOG}_{10}(\text{Station } 01631000 \text{ discharge})$
02060692	Stony Creek at Route 43 near Peaks of Otter, Va.	01629500	South Fork Shenandoah River at Route 211 near Luray, Va.	$\text{LOG}_{10}(\text{Station } 02060692 \text{ discharge}) = -11.078 + 4.074 \cdot \text{LOG}_{10}(\text{Station } 01629500 \text{ discharge})$
02060695	Big Otter River at Route 43 near Peaks of Otter, Va.	01622000	North River along Route 693 near Burkettown, Va.	$\text{LOG}_{10}(\text{Station } 02060695 \text{ discharge}) = 0.000 + 1.000 \cdot \text{LOG}_{10}(\text{Station } 01622000 \text{ discharge})$
02060800	North Otter Creek at Route 643 near Cifax, Va.	02027000	Tye River at Route 158 near Lovingston, Va.	$\text{LOG}_{10}(\text{Station } 02060800 \text{ discharge}) = -0.918 + 1.180 \cdot \text{LOG}_{10}(\text{Station } 02027000 \text{ discharge})$
02060860	Oslin Creek at Route 644 near Cifax, Va.	02017500	Johns Creek at Route 615 at New Castle, Va.	$\text{LOG}_{10}(\text{Station } 02060860 \text{ discharge}) = -2.357 + 2.052 \cdot \text{LOG}_{10}(\text{Station } 02017500 \text{ discharge})$
02061160	Elk Creek at Route 668 near Goode, Va.	01625000	Middle River at Route 769 near Grottoes, Va.	$\text{LOG}_{10}(\text{Station } 02061160 \text{ discharge}) = -4.105 + 2.405 \cdot \text{LOG}_{10}(\text{Station } 01625000 \text{ discharge})$
02061200	Little Otter River at Route 122 near Bedford, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	$\text{LOG}_{10}(\text{Station } 02061200 \text{ discharge}) = -0.247 + 1.052 \cdot \text{LOG}_{10}(\text{Station } 02022500 \text{ discharge})$
02061320	Little Otter River at Route 715 near Otter Hill, Va.	02024000	Maury River near Buena Vista, Va.	$\text{LOG}_{10}(\text{Station } 02061320 \text{ discharge}) = -1.741 + 1.316 \cdot \text{LOG}_{10}(\text{Station } 02024000 \text{ discharge})$
02061460	Buffalo Creek above Route 460 at New London, Va.	01656000	Cedar Run at Route 806 near Catlett, Va.	$\text{LOG}_{10}(\text{Station } 02061460 \text{ discharge}) = 0.041 + 0.795 \cdot \text{LOG}_{10}(\text{Station } 01656000 \text{ discharge})$
02063400	Reddy Creek at Route 679 near Spring Mills, Va.	02024000	Maury River near Buena Vista, Va.	$\text{LOG}_{10}(\text{Station } 02063400 \text{ discharge}) = -0.779 + 0.581 \cdot \text{LOG}_{10}(\text{Station } 02024000 \text{ discharge})$
02063460	Falling River at Route 650 near Spring Mills, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 02063460 \text{ discharge}) = 0.785 + 0.621 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
02063770	South Fork Falling River at Route 648 near Spring Mills, Va.	02018000	Craig Creek at abandoned railroad bridge at Parr, Va.	$\text{LOG}_{10}(\text{Station } 02063770 \text{ discharge}) = 0.353 + 0.449 \cdot \text{LOG}_{10}(\text{Station } 02018000 \text{ discharge})$
02065010	Phelps Creek at Brookneal diversion near Brookneal, Va.	01622000	North River along Route 693 near Burkettown, Va.	$\text{LOG}_{10}(\text{Station } 02065010 \text{ discharge}) = -2.513 + 1.292 \cdot \text{LOG}_{10}(\text{Station } 01622000 \text{ discharge})$
02065260	Turnip Creek at Route 619 near Aspen, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	$\text{LOG}_{10}(\text{Station } 02065260 \text{ discharge}) = 0.092 + 0.545 \cdot \text{LOG}_{10}(\text{Station } 01674000 \text{ discharge})$
02066450	Roanoke Creek (Little Roanoke Creek) at Route 40 near Charlotte Court House, Va.	01674500	Mattaponi River near Beulahville, Va.	$\text{LOG}_{10}(\text{Station } 02066450 \text{ discharge}) = -0.152 + 0.555 \cdot \text{LOG}_{10}(\text{Station } 01674500 \text{ discharge})$
02066520	Twittys Creek above wastewater outfall (south) at Drakes Branch, Va.	01627500	South River at Route 778 at Harrison, Va.	$\text{LOG}_{10}(\text{Station } 02066520 \text{ discharge}) = -3.553 + 1.836 \cdot \text{LOG}_{10}(\text{Station } 01627500 \text{ discharge})$
02067020	Buffalo Creek at Route 608 near Red Oak, Va.	01662800	Battle Run at Route 729 near Laurel Mills, Va.	$\text{LOG}_{10}(\text{Station } 02067020 \text{ discharge}) = -0.865 + 0.919 \cdot \text{LOG}_{10}(\text{Station } 01662800 \text{ discharge})$
02067100	Difficult Creek at Route 360 near Scottsburg, Va.	01625000	Middle River at Route 769 near Grottoes, Va.	$\text{LOG}_{10}(\text{Station } 02067100 \text{ discharge}) = -0.847 + 0.854 \cdot \text{LOG}_{10}(\text{Station } 01625000 \text{ discharge})$
02069550	North Fork South Mayo River at Route 58 at Stuart, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	$\text{LOG}_{10}(\text{Station } 02069550 \text{ discharge}) = -0.268 + 0.856 \cdot \text{LOG}_{10}(\text{Station } 01634500 \text{ discharge})$
02071800	Nicholas Creek at Route 605 near Ferrum, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	$\text{LOG}_{10}(\text{Station } 02071800 \text{ discharge}) = -3.417 + 4.266 \cdot \text{LOG}_{10}(\text{Station } 02022500 \text{ discharge})$
02072525	Blackberry Creek at Route 687 near Sanville, Va.	01626850	South River at Hopeman Parkway near Dooms, Va.	$\text{LOG}_{10}(\text{Station } 02072525 \text{ discharge}) = -0.676 + 0.515 \cdot \text{LOG}_{10}(\text{Station } 01626850 \text{ discharge})$
02072550	Blackberry Creek at Route 57A near Bassett, Va.	01621050	Muddy Creek at Route 726 at Mount Clinton, Va.	$\text{LOG}_{10}(\text{Station } 02072550 \text{ discharge}) = 0.765 + 0.402 \cdot \text{LOG}_{10}(\text{Station } 01621050 \text{ discharge})$
02073300	Marrowbone Creek at Route 642 near Ridgeway, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	$\text{LOG}_{10}(\text{Station } 02073300 \text{ discharge}) = 0.543 + 0.302 \cdot \text{LOG}_{10}(\text{Station } 01644000 \text{ discharge})$
02073600	Smith River at Route 636 near Irisburg, Va.	01626000	South River at Route 664 near Waynesboro, Va.	$\text{LOG}_{10}(\text{Station } 02073600 \text{ discharge}) = 0.545 + 0.980 \cdot \text{LOG}_{10}(\text{Station } 01626000 \text{ discharge})$
02074450	Sandy River at Route 612 near Swansonville, Va.	01656500	Broad Run at Route 29 at Buckland, Va.	$\text{LOG}_{10}(\text{Station } 02074450 \text{ discharge}) = 0.364 + 0.534 \cdot \text{LOG}_{10}(\text{Station } 01656500 \text{ discharge})$
02074680	Sandy Creek at Route 746 near Danville, Va.	01626000	South River at Route 664 near Waynesboro, Va.	$\text{LOG}_{10}(\text{Station } 02074680 \text{ discharge}) = -0.859 + 0.828 \cdot \text{LOG}_{10}(\text{Station } 01626000 \text{ discharge})$
02075020	Fall Creek at Route 719 near Danville, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	$\text{LOG}_{10}(\text{Station } 02075020 \text{ discharge}) = -1.578 + 1.419 \cdot \text{LOG}_{10}(\text{Station } 02022500 \text{ discharge})$
02075029	Fall Creek along Route 730 at Danville, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	$\text{LOG}_{10}(\text{Station } 02075029 \text{ discharge}) = -0.417 + 0.813 \cdot \text{LOG}_{10}(\text{Station } 02030000 \text{ discharge})$
0207509125	Hogans Creek tributary above Goodyear Plant near Danville, Va.	02044500	Nottoway River at Route 612 near Rawlings, Va.	$\text{LOG}_{10}(\text{Station } 0207509125 \text{ discharge}) = -2.812 + 1.069 \cdot \text{LOG}_{10}(\text{Station } 02044500 \text{ discharge})$
02075191	Cane Creek at Lorillard Tobacco outfall near Ringgold, Va.	01622000	North River along Route 693 near Burkettown, Va.	$\text{LOG}_{10}(\text{Station } 02075191 \text{ discharge}) = -1.576 + 0.800 \cdot \text{LOG}_{10}(\text{Station } 01622000 \text{ discharge})$

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Number of X-Y pairs	Distance between sites (mi)	Rsquare	Spearman ρ	LOC slope lower confidence limit	LOC slope upper confidence limit
Station number	Station description	Station number	Station description						
02060400	Sycamore Creek at Route 643 at Sycamore, Va.	01627500	South River at Route 778 at Harriston, Va.	10	74.5	0.75	0.86	0.34	2.00
02060592	Sheep Creek at Route 688 near Thaxton, Va.	01631000	South Fork Shenandoah River below Route 619 at Front Royal, Va.	9	77.7	0.93	0.93	4.53	9.20
02060692	Stony Creek at Route 43 near Peaks of Otter, Va.	01629500	South Fork Shenandoah River at Route 211 near Luray, Va.	9	67.4	0.97	0.98	3.25	5.33
02060695	Big Otter River at Route 43 near Peaks of Otter, Va.	01622000	North River along Route 693 near Burkettown, Va.	10	75.8	0.84	0.99	2.67	8.85
02060800	North Otter Creek at Route 643 near Cifax, Va.	02027000	Tye River at Route 158 near Lovingston, Va.	10	35.2	0.98	0.98	1.00	1.39
02060860	Oslin Creek at Route 644 near Cifax, Va.	02017500	Johns Creek at Route 615 at New Castle, Va.	9	49.0	0.86	1.00	1.11	3.69
02061160	Elk Creek at Route 668 near Goode, Va.	01625000	Middle River at Route 769 near Grottoes, Va.	10	56.2	0.80	0.99	1.17	4.94
02061200	Little Otter River at Route 122 near Bedford, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	15	35.4	0.82	0.75	0.67	1.65
02061320	Little Otter River at Route 715 near Otter Hill, Va.	02024000	Maury River near Buena Vista, Va.	10	48.0	0.91	0.98	0.90	1.92
02061460	Buffalo Creek above Route 460 at New London, Va.	01656000	Cedar Run at Route 806 near Catlett, Va.	11	126	0.56	0.77	--	--
02063400	Reddy Creek at Route 679 near Spring Mills, Va.	02024000	Maury River near Buena Vista, Va.	13	52.8	0.94	0.92	0.46	0.74
02063460	Falling River at Route 650 near Spring Mills, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	11	139	0.87	--	0.39	0.99
02063770	South Fork Falling River at Route 648 near Spring Mills, Va.	02018000	Craig Creek at abandoned railroad bridge at Parr, Va.	10	66.0	0.95	0.95	0.35	0.58
02065010	Phelps Creek at Brookneal diversion near Brookneal, Va.	01622000	North River along Route 693 near Burkettown, Va.	10	94.0	0.85	0.95	0.74	2.26
02065260	Turnip Creek at Route 619 near Aspen, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	12	101	0.84	--	0.34	0.89
02066450	Roanoke Creek (Little Roanoke Creek) at Route 40 near Charlotte Court House, Va.	01674500	Mattaponi River near Beulahville, Va.	13	90.4	0.83	0.82	0.36	0.94
02066520	Twittys Creek above wastewater outfall (south) at Drakes Branch, Va.	01627500	South River at Route 778 at Harriston, Va.	14	75.7	0.96	0.93	1.51	2.23
02067020	Buffalo Creek at Route 608 near Red Oak, Va.	01662800	Battle Run at Route 729 near Laurel Mills, Va.	11	135	0.84	--	0.55	1.55
02067100	Difficult Creek at Route 360 near Scottsburg, Va.	01625000	Middle River at Route 769 near Grottoes, Va.	11	92.2	0.64	0.92	0.19	3.94
02069550	North Fork South Mayo River at Route 58 at Stuart, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	12	192	0.81	--	0.49	1.50
02071800	Nicholas Creek at Route 605 near Ferrum, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	19	72.5	0.43	0.87	--	--
02072525	Blackberry Creek at Route 687 near Sanville, Va.	01626850	South River at Hopeman Parkway near Dooms, Va.	10	105	0.77	0.83	0.23	1.16
02072550	Blackberry Creek at Route 57A near Bassett, Va.	01621050	Muddy Creek at Route 726 at Mount Clinton, Va.	10	137	0.84	0.84	0.23	0.72
02073300	Marrowbone Creek at Route 642 near Ridgeway, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	12	201	0.88	--	0.20	0.45
02073600	Smith River at Route 636 near Irisburg, Va.	01626000	South River at Route 664 near Waynesboro, Va.	11	99.7	0.64	--	0.22	4.41
02074450	Sandy River at Route 612 near Swansonville, Va.	01656500	Broad Run at Route 29 at Buckland, Va.	10	176	0.76	0.80	0.22	1.28
02074680	Sandy Creek at Route 746 near Danville, Va.	01626000	South River at Route 664 near Waynesboro, Va.	12	93.0	0.83	--	0.50	1.38
02075020	Fall Creek at Route 719 near Danville, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	10	80.8	0.96	0.98	1.13	1.79
02075029	Fall Creek along Route 730 at Danville, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	12	96.7	0.95	--	0.65	1.02
0207509125	Hogans Creek tributary above Goodyear Plant near Danville, Va.	02044500	Nottoway River at Route 612 near Rawlings, Va.	12	80.4	0.93	--	0.79	1.44
02075191	Cane Creek at Lorillard Tobacco outfall near Ringgold, Va.	01622000	North River along Route 693 near Burkettown, Va.	10	126	0.84	0.98	0.45	1.43

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		LOG10 low-flow expressed as a function of index-record streamgaging station LOG10 discharge using the MOVE.1 method
Station number	Station description	Station number	Station description	
02075275	Sandy Creek (River) at Route 58 near Ringgold, Va.	02013000	Dunlap Creek at Route 60 near Covington, Va.	$\text{LOG10}(\text{Station } 02075275 \text{ discharge}) = -0.540 + 0.759 \cdot \text{LOG10}(\text{Station } 02013000 \text{ discharge})$
02075350	Powells Creek at Route 58 near Turbeville, Va.	02021500	Maury River above Route 39 at Rockbridge Baths, Va.	$\text{LOG10}(\text{Station } 02075350 \text{ discharge}) = -3.004 + 0.965 \cdot \text{LOG10}(\text{Station } 02021500 \text{ discharge})$
02075390	Double Creek at Route 688 near Sutherlin, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	$\text{LOG10}(\text{Station } 02075390 \text{ discharge}) = -0.436 + 0.453 \cdot \text{LOG10}(\text{Station } 01644000 \text{ discharge})$
02075475	Byrds Branch at Route 810 near Paces, Va.	02027000	Tye River at Route 158 near Lovingston, Va.	$\text{LOG10}(\text{Station } 02075475 \text{ discharge}) = -1.717 + 0.742 \cdot \text{LOG10}(\text{Station } 02027000 \text{ discharge})$
02075600	Birch Creek at Route 729 near Birch, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	$\text{LOG10}(\text{Station } 02075600 \text{ discharge}) = -0.153 + 0.933 \cdot \text{LOG10}(\text{Station } 01673550 \text{ discharge})$
02075700	Birch Creek at Route 659 near Paces, Va.	01659500	Middle Branch Chopawamsic Creek above Marine Road near Garrisonville, Va.	$\text{LOG10}(\text{Station } 02075700 \text{ discharge}) = 0.958 + 1.496 \cdot \text{LOG10}(\text{Station } 01659500 \text{ discharge})$
02075900	Lawsons Creek at Route 658 at Turbeville, Va.	01666500	Robinson (Robertson) River at Route 614 near Locust Dale, Va.	$\text{LOG10}(\text{Station } 02075900 \text{ discharge}) = -1.537 + 0.964 \cdot \text{LOG10}(\text{Station } 01666500 \text{ discharge})$
02076100	Wet Sleeve Creek at Banister near Swansonville, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	$\text{LOG10}(\text{Station } 02076100 \text{ discharge}) = -1.902 + 0.941 \cdot \text{LOG10}(\text{Station } 01667500 \text{ discharge})$
02076280	Dry Fork above Vulcan Materials at Dry Fork, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	$\text{LOG10}(\text{Station } 02076280 \text{ discharge}) = -3.734 + 1.513 \cdot \text{LOG10}(\text{Station } 01667500 \text{ discharge})$
02076300	Banister River at Route 29 near Chatham, Va.	01669000	Piscataway Creek at Route 691 near Tappahannock, Va.	$\text{LOG10}(\text{Station } 02076300 \text{ discharge}) = 0.962 + 0.487 \cdot \text{LOG10}(\text{Station } 01669000 \text{ discharge})$
02076340	Cherrystone Creek above Tanyard Branch near Chatham, Va.	01631000	South Fork Shenandoah River below Route 619 at Front Royal, Va.	$\text{LOG10}(\text{Station } 02076340 \text{ discharge}) = -2.240 + 1.203 \cdot \text{LOG10}(\text{Station } 01631000 \text{ discharge})$
02076353	Cherrystone Creek at Route 703 near Chatham, Va.	02018000	Craig Creek at abandoned railroad bridge at Parr, Va.	$\text{LOG10}(\text{Station } 02076353 \text{ discharge}) = -0.344 + 0.730 \cdot \text{LOG10}(\text{Station } 02018000 \text{ discharge})$
02076430	Whitethorn Creek at Route 685 near Sonans, Va.	01632082	Linville Creek below Route 786 at Broadway, Va.	$\text{LOG10}(\text{Station } 02076430 \text{ discharge}) = 0.200 + 0.748 \cdot \text{LOG10}(\text{Station } 01632082 \text{ discharge})$
02076610	Stinking River at Route 927 near Mount Airy, Va.	01626850	South River at Hopeman Parkway near Dooms, Va.	$\text{LOG10}(\text{Station } 02076610 \text{ discharge}) = -0.450 + 0.672 \cdot \text{LOG10}(\text{Station } 01626850 \text{ discharge})$
02076650	Banister River at Route 640 near Mount Airy, Va.	02013000	Dunlap Creek at Route 60 near Covington, Va.	$\text{LOG10}(\text{Station } 02076650 \text{ discharge}) = 1.032 + 0.581 \cdot \text{LOG10}(\text{Station } 02013000 \text{ discharge})$
02076700	Blacks Creek at Route 40 near Mount Airy, Va.	02028500	Rockfish River at Route 634 near Greenfield, Va.	$\text{LOG10}(\text{Station } 02076700 \text{ discharge}) = -3.188 + 1.511 \cdot \text{LOG10}(\text{Station } 02028500 \text{ discharge})$
02076770	Sandy Creek at Route 832 at Meadville, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	$\text{LOG10}(\text{Station } 02076770 \text{ discharge}) = 0.050 + 0.807 \cdot \text{LOG10}(\text{Station } 02030000 \text{ discharge})$
02079660	Jolly Hollow Branch at Route 92 at Boydton, Va.	02020500	Calfpasture River at Route 42 above Mill Creek, at Goshen, Va.	$\text{LOG10}(\text{Station } 02079660 \text{ discharge}) = -1.965 + 1.015 \cdot \text{LOG10}(\text{Station } 02020500 \text{ discharge})$
0207966605	Flat Creek at Route 642 near South Hill, Va.	02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	$\text{LOG10}(\text{Station } 0207966605 \text{ discharge}) = 0.115 + 0.157 \cdot \text{LOG10}(\text{Station } 02031000 \text{ discharge})$
0207966625	Flat Creek at Route 630 near Smiths Crossroads, Va.	02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	$\text{LOG10}(\text{Station } 0207966625 \text{ discharge}) = -1.163 + 1.170 \cdot \text{LOG10}(\text{Station } 02031000 \text{ discharge})$
02079740	Great Creek at Route 620 near Marengo, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	$\text{LOG10}(\text{Station } 02079740 \text{ discharge}) = -0.830 + 0.650 \cdot \text{LOG10}(\text{Station } 01674000 \text{ discharge})$
0207974250	Great Creek at Route 619 near Bracey, Va.	02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	$\text{LOG10}(\text{Station } 0207974250 \text{ discharge}) = -2.198 + 1.572 \cdot \text{LOG10}(\text{Station } 02031000 \text{ discharge})$
03162852	Peach Bottom Creek at Route 697 near Independence, Va.	03471500	South Fork Holston River above Route 645 at Riverside, near Chilhowie, Va.	$\text{LOG10}(\text{Station } 03162852 \text{ discharge}) = -0.986 + 1.227 \cdot \text{LOG10}(\text{Station } 03471500 \text{ discharge})$
03164100	Bull Run at Providence Elementary School wastewater outfall near Stevens Creek, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	$\text{LOG10}(\text{Station } 03164100 \text{ discharge}) = -1.283 + 0.294 \cdot \text{LOG10}(\text{Station } 03207800 \text{ discharge})$
03166500	Neff-Litz Spring near Rural Retreat, Va.	03167000	Reed Creek at Route 619 at Grahams Forge, Va.	$\text{LOG10}(\text{Station } 03166500 \text{ discharge}) = -0.628 + 0.455 \cdot \text{LOG10}(\text{Station } 03167000 \text{ discharge})$
03166905	Harkrader Spring near Grahams Forge, Va.	03165000	Chestnut Creek above Route 89 at Galax, Va.	$\text{LOG10}(\text{Station } 03166905 \text{ discharge}) = 0.295 + 0.248 \cdot \text{LOG10}(\text{Station } 03165000 \text{ discharge})$
03167150	Big Reed Island Creek at Olde Mill Golf Resort near Laurel Fork, Va.	02041000	Deep Creek above Route 153 near Mannboro, Va.	$\text{LOG10}(\text{Station } 03167150 \text{ discharge}) = 0.896 + 0.381 \cdot \text{LOG10}(\text{Station } 02041000 \text{ discharge})$
03167610	East Fork Little Reed Island Creek tributary 2 at Utt's Campground near Fancy Gap, Va.	02044500	Nottoway River at Route 612 near Rawlings, Va.	$\text{LOG10}(\text{Station } 03167610 \text{ discharge}) = -2.259 + 0.476 \cdot \text{LOG10}(\text{Station } 02044500 \text{ discharge})$
03171040	Connellys Run at Bissett Park Bridge at Radford, Va.	02039000	Buffalo Creek at Route 658 near Hampden Sydney, Va.	$\text{LOG10}(\text{Station } 03171040 \text{ discharge}) = -1.113 + 0.786 \cdot \text{LOG10}(\text{Station } 02039000 \text{ discharge})$

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Number of X-Y pairs	Distance between sites (mi)	Rsquare	Spearman ρ	LOC slope lower confidence limit	LOC slope upper confidence limit
Station number	Station description	Station number	Station description						
02075275	Sandy Creek (River) at Route 58 near Ringgold, Va.	02013000	Dunlap Creek at Route 60 near Covington, Va.	11	93.1	0.64	--	0.16	3.55
02075350	Powells Creek at Route 58 near Turbeville, Va.	02021500	Mauzy River above Route 39 at Rockbridge Baths, Va.	10	106	0.97	0.96	0.77	1.20
02075390	Double Creek at Route 688 near Sutherlin, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	12	179	0.97	--	0.38	0.54
02075475	Byrds Branch at Route 810 near Paces, Va.	02027000	Tye River at Route 158 near Lovingston, Va.	12	83.0	0.94	--	0.57	0.96
02075600	Birch Creek at Route 729 near Birch, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	15	125	0.89	0.95	0.41	0.78
02075700	Birch Creek at Route 659 near Paces, Va.	01659500	Middle Branch Chopawamsic Creek above Marine Road near Garrisonville, Va.	10	159	0.89	0.93	0.55	1.31
02075900	Lawsons Creek at Route 658 at Turbeville, Va.	01666500	Robinson (Robertson) River at Route 614 near Locust Dale, Va.	21	135	0.80	0.89	0.66	1.40
02076100	Wet Sleeve Creek at Banister near Swansonville, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	14	129	0.93	0.88	0.73	1.21
02076280	Dry Fork above Vulcan Materials at Dry Fork, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	9	128	0.75	0.80	0.81	7.09
02076300	Banister River at Route 29 near Chatham, Va.	01669000	Piscataway Creek at Route 691 near Tappahannock, Va.	12	158	0.52	--	--	--
02076340	Cherrystone Creek above Tanyard Branch near Chatham, Va.	01631000	South Fork Shenandoah River below Route 619 at Front Royal, Va.	10	109	0.85	0.95	0.70	2.08
02076353	Cherrystone Creek at Route 703 near Chatham, Va.	02018000	Craig Creek at abandoned railroad bridge at Parr, Va.	12	60.4	0.95	--	0.58	0.92
02076430	Whitethorn Creek at Route 685 near Sonans, Va.	01632082	Linville Creek below Route 786 at Broadway, Va.	10	115	0.88	0.90	0.47	1.20
02076610	Stinking River at Route 927 near Mount Airy, Va.	01626850	South River at Hopeman Parkway near Dooms, Va.	12	72.4	0.93	--	0.51	0.89
02076650	Banister River at Route 640 near Mount Airy, Va.	02013000	Dunlap Creek at Route 60 near Covington, Va.	14	76.0	0.93	0.96	0.45	0.75
02076700	Blacks Creek at Route 40 near Mount Airy, Va.	02028500	Rockfish River at Route 634 near Greenfield, Va.	23	69.2	0.92	0.86	1.25	1.83
02076770	Sandy Creek at Route 832 at Meadville, Va.	02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	26	86.2	0.76	0.85	0.56	1.17
02079660	Jolly Hollow Branch at Route 92 at Boydton, Va.	02020500	Calfpasture River at Route 42 above Mill Creek, at Goshen, Va.	13	118	0.81	0.95	0.61	1.70
0207966605	Flat Creek at Route 642 near South Hill, Va.	02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	13	97.4	0.60	0.79	0.04	0.66
0207966625	Flat Creek at Route 630 near Smiths Crossroads, Va.	02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	13	99.4	0.85	0.92	0.75	1.83
02079740	Great Creek at Route 620 near Marengo, Va.	01674000	Mattaponi River above Route 605 near Bowling Green, Va.	22	109	0.93	0.93	0.54	0.79
0207974250	Great Creek at Route 619 near Bracey, Va.	02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	13	103	0.91	0.89	1.15	2.15
03162852	Peach Bottom Creek at Route 697 near Independence, Va.	03471500	South Fork Holston River above Route 645 at Riverside, near Chilhowie, Va.	13	18.6	0.96	0.96	1.00	1.51
03164100	Bull Run at Providence Elementary School wastewater outfall near Stevens Creek, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	10	64.8	0.64	-0.05	0.02	4.32
03166500	Neff-Litz Spring near Rural Retreat, Va.	03167000	Reed Creek at Route 619 at Grahams Forge, Va.	19	--	0.76	0.79	0.29	0.73
03166905	Harkrader Spring near Grahams Forge, Va.	03165000	Chestnut Creek above Route 89 at Galax, Va.	16	--	0.53	0.41	0.05	1.25
03167150	Big Reed Island Creek at Olde Mill Golf Resort near Laurel Fork, Va.	02041000	Deep Creek above Route 153 near Mannboro, Va.	12	142	0.93	--	0.29	0.51
03167610	East Fork Little Reed Island Creek tributary 2 at Utt's Campground near Fancy Gap, Va.	02044500	Nottoway River at Route 612 near Rawlings, Va.	10	147	0.82	0.80	0.25	0.92
03171040	Connellys Run at Bissett Park Bridge at Radford, Va.	02039000	Buffalo Creek at Route 658 near Hampden Sydney, Va.	10	108	0.97	0.99	0.64	0.96

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		LOG10 low-flow expressed as a function of index-record streamgaging station LOG10 discharge using the MOVE.1 method
Station number	Station description	Station number	Station description	
03171095	Plum Creek at Route 11 at Radford, Va.	02039000	Buffalo Creek at Route 658 near Hampden Sydney, Va.	$\text{LOG}_{10}(\text{Station } 03171095 \text{ discharge}) = 0.390 + 1.363 \cdot \text{LOG}_{10}(\text{Station } 02039000 \text{ discharge})$
03171170	Crab Creek at Christiansburg wastewater outfall near Christiansburg, Va.	02070000	North Mayo River below Route 629 near Spencer, Va.	$\text{LOG}_{10}(\text{Station } 03171170 \text{ discharge}) = -3.765 + 2.542 \cdot \text{LOG}_{10}(\text{Station } 02070000 \text{ discharge})$
03171215	Stroubles Creek at Route 657 near Prices Fork, Va.	02074500	Sandy River above Route 863 near Danville, Va.	$\text{LOG}_{10}(\text{Station } 03171215 \text{ discharge}) = -0.922 + 0.890 \cdot \text{LOG}_{10}(\text{Station } 02074500 \text{ discharge})$
03171220	Stroubles Creek at Route 705 near Radford (previously Route 659), Va.	02054500	Roanoke River at Route 603 at Lafayette, Va.	$\text{LOG}_{10}(\text{Station } 03171220 \text{ discharge}) = -1.378 + 1.013 \cdot \text{LOG}_{10}(\text{Station } 02054500 \text{ discharge})$
03171550	Sinking Creek at Route 700 near Newport, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG}_{10}(\text{Station } 03171550 \text{ discharge}) = 1.023 + 0.297 \cdot \text{LOG}_{10}(\text{Station } 03208500 \text{ discharge})$
03171700	Crab Orchard Creek at Route 605 near Bland, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	$\text{LOG}_{10}(\text{Station } 03171700 \text{ discharge}) = -1.813 + 1.047 \cdot \text{LOG}_{10}(\text{Station } 03524000 \text{ discharge})$
03171900	Kimberling Creek at Route 612 near Holly Brook, Va.	02032250	Moormans River at Route 601 near Free Union, Va.	$\text{LOG}_{10}(\text{Station } 03171900 \text{ discharge}) = -2.252 + 1.788 \cdot \text{LOG}_{10}(\text{Station } 02032250 \text{ discharge})$
03171950	Kimberling Creek at Route 42 near Mechanicsburg, Va.	02070000	North Mayo River below Route 629 near Spencer, Va.	$\text{LOG}_{10}(\text{Station } 03171950 \text{ discharge}) = -1.996 + 1.637 \cdot \text{LOG}_{10}(\text{Station } 02070000 \text{ discharge})$
03172000	Wabash Spring near Poplar Hill, Va.	02060500	Roanoke (Staunton) River at Route 29 (Alternate) at Altavista, Va.	$\text{LOG}_{10}(\text{Station } 03172000 \text{ discharge}) = -3.724 + 1.399 \cdot \text{LOG}_{10}(\text{Station } 02060500 \text{ discharge})$
03173500	Francis Spring near Bane, Va.	03167000	Reed Creek at Route 619 at Grahams Forge, Va.	$\text{LOG}_{10}(\text{Station } 03173500 \text{ discharge}) = -1.256 + 0.583 \cdot \text{LOG}_{10}(\text{Station } 03167000 \text{ discharge})$
03174000	New River at Route 61 at Narrows, Va.	03170000	Little River at Route 693 at Graysontown (Graysonton), Va.	$\text{LOG}_{10}(\text{Station } 03174000 \text{ discharge}) = 1.094 + 0.992 \cdot \text{LOG}_{10}(\text{Station } 03170000 \text{ discharge})$
03174500	Wolf Creek near Shawver Mill (Burkes Garden), Va.	02055000	Roanoke River at Walnut Street at Roanoke, Va.	$\text{LOG}_{10}(\text{Station } 03174500 \text{ discharge}) = -1.264 + 1.186 \cdot \text{LOG}_{10}(\text{Station } 02055000 \text{ discharge})$
03174680	Hunting Camp Creek at wastewater outfall at Bastian, Va.	03175500	Wolf Creek at Route 724 near Narrows, Va.	$\text{LOG}_{10}(\text{Station } 03174680 \text{ discharge}) = -3.124 + 1.851 \cdot \text{LOG}_{10}(\text{Station } 03175500 \text{ discharge})$
03176433	Rich Creek at Route 806 at Rich Creek, Va.	03173000	Walker Creek below Route 100 at Bane, Va.	$\text{LOG}_{10}(\text{Station } 03176433 \text{ discharge}) = -1.330 + 1.110 \cdot \text{LOG}_{10}(\text{Station } 03173000 \text{ discharge})$
03177156	Adair Run at Route 648 at Glen Lyn, Va.	03173000	Walker Creek below Route 100 at Bane, Va.	$\text{LOG}_{10}(\text{Station } 03177156 \text{ discharge}) = -6.221 + 2.865 \cdot \text{LOG}_{10}(\text{Station } 03173000 \text{ discharge})$
03177575	Bluestone River at Shannandale near Springville, Va.	03478400	Beaver Creek at Route 1405 at (near) Bristol, Va.	$\text{LOG}_{10}(\text{Station } 03177575 \text{ discharge}) = -0.176 + 0.889 \cdot \text{LOG}_{10}(\text{Station } 03478400 \text{ discharge})$
03177620	Bluestone River at Parkview Avenue at Bluefield, Va.	03175500	Wolf Creek at Route 724 near Narrows, Va.	$\text{LOG}_{10}(\text{Station } 03177620 \text{ discharge}) = -0.517 + 0.800 \cdot \text{LOG}_{10}(\text{Station } 03175500 \text{ discharge})$
03177680	Wrights Valley Creek at mouth at Bluefield, Va.	03475000	Middle Fork Holston River at Route 803 near Meadowview, Va.	$\text{LOG}_{10}(\text{Station } 03177680 \text{ discharge}) = -3.249 + 1.767 \cdot \text{LOG}_{10}(\text{Station } 03475000 \text{ discharge})$
03177695	Beaverpond Creek at mouth at Bluefield, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	$\text{LOG}_{10}(\text{Station } 03177695 \text{ discharge}) = -0.833 + 0.723 \cdot \text{LOG}_{10}(\text{Station } 03207800 \text{ discharge})$
03177715	Brush Fork at Route 717 at Falls Mill, Va.	03167000	Reed Creek at Route 619 at Grahams Forge, Va.	$\text{LOG}_{10}(\text{Station } 03177715 \text{ discharge}) = -4.019 + 2.006 \cdot \text{LOG}_{10}(\text{Station } 03167000 \text{ discharge})$
03177725	Mud Fork at Route 102 at Falls Mills, Va.	03173000	Walker Creek below Route 100 at Bane, Va.	$\text{LOG}_{10}(\text{Station } 03177725 \text{ discharge}) = -3.359 + 1.821 \cdot \text{LOG}_{10}(\text{Station } 03173000 \text{ discharge})$
03207218	Unnamed mine drain to Aus Keen Branch near Keen Mountain, Va.	03478400	Beaver Creek at Route 1405 at (near) Bristol, Va.	$\text{LOG}_{10}(\text{Station } 03207218 \text{ discharge}) = -5.158 + 3.258 \cdot \text{LOG}_{10}(\text{Station } 03478400 \text{ discharge})$
03207225	Garden Creek at Route 632 at Mount Heron, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG}_{10}(\text{Station } 03207225 \text{ discharge}) = -1.489 + 0.985 \cdot \text{LOG}_{10}(\text{Station } 03208500 \text{ discharge})$
0320722510	Garden Creek above Right Fork at Mount Heron, Va.	03167000	Reed Creek at Route 619 at Grahams Forge, Va.	$\text{LOG}_{10}(\text{Station } 0320722510 \text{ discharge}) = -2.129 + 1.313 \cdot \text{LOG}_{10}(\text{Station } 03167000 \text{ discharge})$
03207226	Right Fork at Trivett Road at Rowe, Va.	03165500	New River at Ivanhoe, Va.	$\text{LOG}_{10}(\text{Station } 03207226 \text{ discharge}) = -4.036 + 1.724 \cdot \text{LOG}_{10}(\text{Station } 03165500 \text{ discharge})$
03207230	Garden Creek at Route 669 at Oakwood, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG}_{10}(\text{Station } 03207230 \text{ discharge}) = -1.030 + 1.006 \cdot \text{LOG}_{10}(\text{Station } 03208500 \text{ discharge})$
03207240	Unnamed mine drain to Dismal Creek near Jewell Valley, Va.	03478400	Beaver Creek at Route 1405 at (near) Bristol, Va.	$\text{LOG}_{10}(\text{Station } 03207240 \text{ discharge}) = -2.970 + 2.196 \cdot \text{LOG}_{10}(\text{Station } 03478400 \text{ discharge})$
03207250	Dismal Creek at Route 638 at Whitewood, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	$\text{LOG}_{10}(\text{Station } 03207250 \text{ discharge}) = -1.146 + 1.104 \cdot \text{LOG}_{10}(\text{Station } 03488000 \text{ discharge})$
03207255	Unnamed mine drain to Laurel Fork above Old House Hollow at Jewell Ridge, Va.	03473000	South Fork Holston River above Route 58 near Damascus, Va.	$\text{LOG}_{10}(\text{Station } 03207255 \text{ discharge}) = -3.791 + 1.423 \cdot \text{LOG}_{10}(\text{Station } 03473000 \text{ discharge})$
03207260	Unnamed mine drain to Laurel Fork above Kinder Branch near Jewell Ridge, Va.	03208950	Cranes Nest River below railroad bridge near Clintwood, Va.	$\text{LOG}_{10}(\text{Station } 03207260 \text{ discharge}) = -0.918 + 1.788 \cdot \text{LOG}_{10}(\text{Station } 03208950 \text{ discharge})$

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Number of X-Y pairs	Distance between sites (mi)	Rsquare	Spearman ρ	LOC slope lower confidence limit	LOC slope upper confidence limit
Station number	Station description	Station number	Station description						
03171095	Plum Creek at Route 11 at Radford, Va.	02039000	Buffalo Creek at Route 658 near Hampden Sydney, Va.	10	106	0.95	0.99	0.50	0.86
03171170	Crab Creek at Christiansburg wastewater outfall near Christiansburg, Va.	02070000	North Mayo River below Route 629 near Spencer, Va.	16	38.2	0.88	0.94	0.48	0.89
03171215	Stroubles Creek at Route 657 near Prices Fork, Va.	02074500	Sandy River above Route 863 near Danville, Va.	11	58.0	0.91	--	0.62	1.28
03171220	Stroubles Creek at Route 705 near Radford (previously Route 659), Va.	02054500	Roanoke River at Route 603 at Lafayette, Va.	10	9.45	0.95	0.94	0.77	1.33
03171550	Sinking Creek at Route 700 near Newport, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	13	104	0.87	0.87	0.20	0.44
03171700	Crab Orchard Creek at Route 605 near Bland, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	11	37.5	0.91	0.95	0.73	1.50
03171900	Kimberling Creek at Route 612 near Holly Brook, Va.	02032250	Moormans River at Route 601 near Free Union, Va.	11	147	0.90	--	1.22	2.62
03171950	Kimberling Creek at Route 42 near Mechanicsburg, Va.	02070000	North Mayo River below Route 629 near Spencer, Va.	14	62.0	0.92	0.90	1.24	2.15
03172000	Wabash Spring near Poplar Hill, Va.	02060500	Roanoke (Staunton) River at Route 29 (Alternate) at Altavista, Va.	17	--	0.86	0.88	1.00	1.96
03173500	Francis Spring near Bane, Va.	03167000	Reed Creek at Route 619 at Grahams Forge, Va.	57	--	0.78	0.78	0.47	0.73
03174000	New River at Route 61 at Narrows, Va.	03170000	Little River at Route 693 at Graysontown (Graysonton), Va.	16	33.8	0.91	0.88	0.76	1.29
03174500	Wolf Creek near Shawver Mill (Burkes Garden), Va.	02055000	Roanoke River at Walnut Street at Roanoke, Va.	15	62.9	--	0.96	--	--
03174680	Hunting Camp Creek at wastewater outfall at Bastian, Va.	03175500	Wolf Creek at Route 724 near Narrows, Va.	14	5.25	0.96	0.97	1.53	2.24
03176433	Rich Creek at Route 806 at Rich Creek, Va.	03173000	Walker Creek below Route 100 at Bane, Va.	11	21.7	0.98	--	0.96	1.29
03177156	Adair Run at Route 648 at Glen Lyn, Va.	03173000	Walker Creek below Route 100 at Bane, Va.	11	15.5	0.90	--	1.96	4.19
03177575	Bluestone River at Shannandale near Springville, Va.	03478400	Beaver Creek at Route 1405 at (near) Bristol, Va.	10	53.4	0.80	0.85	0.44	1.81
03177620	Bluestone River at Parkview Avenue at Bluefield, Va.	03175500	Wolf Creek at Route 724 near Narrows, Va.	11	9.38	0.96	--	0.65	0.99
03177680	Wrights Valley Creek at mouth at Bluefield, Va.	03475000	Middle Fork Holston River at Route 803 near Meadowview, Va.	11	29.5	0.94	--	1.32	2.36
03177695	Beaverpond Creek at mouth at Bluefield, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	12	42.0	0.97	--	0.60	0.88
03177715	Brush Fork at Route 717 at Falls Mill, Va.	03167000	Reed Creek at Route 619 at Grahams Forge, Va.	11	24.3	0.94	--	1.53	2.62
03177725	Mud Fork at Route 102 at Falls Mills, Va.	03173000	Walker Creek below Route 100 at Bane, Va.	10	25.5	0.83	0.73	0.98	3.40
03207218	Unnamed mine drain to Aus Keen Branch near Keen Mountain, Va.	03478400	Beaver Creek at Route 1405 at (near) Bristol, Va.	12	--	0.93	--	2.45	4.33
03207225	Garden Creek at Route 632 at Mount Heron, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	11	15.6	0.97	--	0.81	1.19
0320722510	Garden Creek above Right Fork at Mount Heron, Va.	03167000	Reed Creek at Route 619 at Grahams Forge, Va.	9	48.9	0.91	0.97	0.92	2.11
03207226	Right Fork at Trivett Road at Rowe, Va.	03165500	New River at Ivanhoe, Va.	10	57.5	0.91	0.89	1.08	2.37
03207230	Garden Creek at Route 669 at Oakwood, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	22	14.0	0.97	0.97	0.90	1.13
03207240	Unnamed mine drain to Dismal Creek near Jewell Valley, Va.	03478400	Beaver Creek at Route 1405 at (near) Bristol, Va.	12	--	0.73	--	1.00	4.84
03207250	Dismal Creek at Route 638 at Whitewood, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	13	23.8	0.99	0.98	0.99	1.24
03207255	Unnamed mine drain to Laurel Fork above Old House Hollow at Jewell Ridge, Va.	03473000	South Fork Holston River above Route 58 near Damascus, Va.	12	--	0.77	--	0.72	2.81
03207260	Unnamed mine drain to Laurel Fork above Kinder Branch near Jewell Ridge, Va.	03208950	Cranes Nest River below railroad bridge near Clintwood, Va.	12	--	0.56	--	--	--

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		LOG10 low-flow expressed as a function of index-record streamgaging station LOG10 discharge using the MOVE.1 method
Station number	Station description	Station number	Station description	
03207290	Unnamed mine drain to Burnt Chestnut Branch near Keen Mountain, Va.	03478400	Beaver Creek at Route 1405 at (near) Bristol, Va.	$\text{LOG10}(\text{Station } 03207290 \text{ discharge}) = -2.819 + 1.765 \cdot \text{LOG10}(\text{Station } 03478400 \text{ discharge})$
03207295	Lower Big Branch at Route 685 near Patterson, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	$\text{LOG10}(\text{Station } 03207295 \text{ discharge}) = -0.021 + 0.503 \cdot \text{LOG10}(\text{Station } 03207800 \text{ discharge})$
03207299	Dismal Creek above Mill Branch near Oakwood, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	$\text{LOG10}(\text{Station } 03207299 \text{ discharge}) = -0.568 + 1.026 \cdot \text{LOG10}(\text{Station } 03207800 \text{ discharge})$
03207350	Levisa Fork below Laurel Branch near Vansant, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	$\text{LOG10}(\text{Station } 03207350 \text{ discharge}) = -1.029 + 1.225 \cdot \text{LOG10}(\text{Station } 03524000 \text{ discharge})$
03207398	Trace Fork Branch along Route 83 near Vansant, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	$\text{LOG10}(\text{Station } 03207398 \text{ discharge}) = -2.099 + 1.198 \cdot \text{LOG10}(\text{Station } 03207800 \text{ discharge})$
03207407	Dry Fork at Route 627 at Vansant, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	$\text{LOG10}(\text{Station } 03207407 \text{ discharge}) = -2.701 + 1.291 \cdot \text{LOG10}(\text{Station } 03207800 \text{ discharge})$
03207450	Slate Creek at Route 1003 at Grundy, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG10}(\text{Station } 03207450 \text{ discharge}) = 0.206 + 0.843 \cdot \text{LOG10}(\text{Station } 03208500 \text{ discharge})$
03207528	Unnamed mine drain to Burnt Poplar Fork near Harman Junction, Va.	03478400	Beaver Creek at Route 1405 at (near) Bristol, Va.	$\text{LOG10}(\text{Station } 03207528 \text{ discharge}) = -1.666 + 1.086 \cdot \text{LOG10}(\text{Station } 03478400 \text{ discharge})$
03207530	Bull Creek near Harman Junction, Va.	03165000	Chestnut Creek above Route 89 at Galax, Va.	$\text{LOG10}(\text{Station } 03207530 \text{ discharge}) = -0.708 + 0.880 \cdot \text{LOG10}(\text{Station } 03165000 \text{ discharge})$
03207550	Lynn Camp Creek at Route 460 near Harman Junction, Va.	02054500	Roanoke River at Route 603 at Lafayette, Va.	$\text{LOG10}(\text{Station } 03207550 \text{ discharge}) = -1.662 + 1.038 \cdot \text{LOG10}(\text{Station } 02054500 \text{ discharge})$
03207600	Home Creek at Route 700 near Big Rock, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	$\text{LOG10}(\text{Station } 03207600 \text{ discharge}) = -2.318 + 1.174 \cdot \text{LOG10}(\text{Station } 03524000 \text{ discharge})$
03207700	Unnamed mine drain to Levisa Fork at Big Rock, Va.	03471500	South Fork Holston River above Route 645 at Riverside, near Chilhowie, Va.	$\text{LOG10}(\text{Station } 03207700 \text{ discharge}) = -4.455 + 1.804 \cdot \text{LOG10}(\text{Station } 03471500 \text{ discharge})$
03207803	Unnamed mine drain to Dog Fork near Harman, Va.	03175500	Wolf Creek at Route 724 near Narrows, Va.	$\text{LOG10}(\text{Station } 03207803 \text{ discharge}) = -2.338 + 0.592 \cdot \text{LOG10}(\text{Station } 03175500 \text{ discharge})$
03207805	Conaway Creek at Route 610 at Conaway, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG10}(\text{Station } 03207805 \text{ discharge}) = -0.022 + 0.650 \cdot \text{LOG10}(\text{Station } 03208500 \text{ discharge})$
0320803350	Grissom Creek above Venia near Council, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG10}(\text{Station } 0320803350 \text{ discharge}) = -3.599 + 1.430 \cdot \text{LOG10}(\text{Station } 03208500 \text{ discharge})$
03208043	Russell Fork along Route 80 at Davenport, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG10}(\text{Station } 03208043 \text{ discharge}) = -1.829 + 1.221 \cdot \text{LOG10}(\text{Station } 03208500 \text{ discharge})$
03208046	Hurricane Creek along Route 600 at Davenport, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG10}(\text{Station } 03208046 \text{ discharge}) = -2.582 + 1.401 \cdot \text{LOG10}(\text{Station } 03208500 \text{ discharge})$
0320806490	Unnamed mine drain to Tiller Fork near Duty, Va.	03475000	Middle Fork Holston River at Route 803 near Meadowview, Va.	$\text{LOG10}(\text{Station } 0320806490 \text{ discharge}) = -2.373 + 0.925 \cdot \text{LOG10}(\text{Station } 03475000 \text{ discharge})$
03208089	Little Pawpaw Creek at Route 605 near Colley, Va.	03208950	Cranes Nest River below railroad bridge near Clintwood, Va.	$\text{LOG10}(\text{Station } 03208089 \text{ discharge}) = -3.410 + 1.826 \cdot \text{LOG10}(\text{Station } 03208950 \text{ discharge})$
032081037	Unnamed mine drain to Fryingpan Creek at Bucu, Va.	03475000	Middle Fork Holston River at Route 803 near Meadowview, Va.	$\text{LOG10}(\text{Station } 032081037 \text{ discharge}) = -0.562 + 0.605 \cdot \text{LOG10}(\text{Station } 03475000 \text{ discharge})$
03208150	Lick Creek along Route 670 at Birchleaf, Va.	03490000	North Fork Holston River at Route 23 near Gate City, Va.	$\text{LOG10}(\text{Station } 03208150 \text{ discharge}) = 0.000 + 1.000 \cdot \text{LOG10}(\text{Station } 03490000 \text{ discharge})$
03208240	War Fork along Route 83 at Prater, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	$\text{LOG10}(\text{Station } 03208240 \text{ discharge}) = -2.478 + 1.212 \cdot \text{LOG10}(\text{Station } 03207800 \text{ discharge})$
03208280	Greenbrier Creek at Route 83 at Vacey, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	$\text{LOG10}(\text{Station } 03208280 \text{ discharge}) = -2.457 + 1.348 \cdot \text{LOG10}(\text{Station } 03207800 \text{ discharge})$
03208400	McClure River above Buffalo Creek at Nora, Va.	03208950	Cranes Nest River below railroad bridge near Clintwood, Va.	$\text{LOG10}(\text{Station } 03208400 \text{ discharge}) = -0.376 + 0.979 \cdot \text{LOG10}(\text{Station } 03208950 \text{ discharge})$
03208410	Buffalo Creek at Route 63 near Nora, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	$\text{LOG10}(\text{Station } 03208410 \text{ discharge}) = -3.354 + 1.478 \cdot \text{LOG10}(\text{Station } 03207800 \text{ discharge})$
03208670	North Fork Pound River along Route 671 at Gilley near Flat Gap, Va.	03524500	Guest River at Route 72 at Coeburn, Va.	$\text{LOG10}(\text{Station } 03208670 \text{ discharge}) = -2.243 + 1.525 \cdot \text{LOG10}(\text{Station } 03524500 \text{ discharge})$
03208720	Unnamed mine drain to Phillips Creek near Flat Gap, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	$\text{LOG10}(\text{Station } 03208720 \text{ discharge}) = -1.382 + 0.381 \cdot \text{LOG10}(\text{Station } 03488000 \text{ discharge})$
03208795	South Fork Pound River at Route 700 at Pound, Va.	03208950	Cranes Nest River below railroad bridge near Clintwood, Va.	$\text{LOG10}(\text{Station } 03208795 \text{ discharge}) = -0.512 + 1.002 \cdot \text{LOG10}(\text{Station } 03208950 \text{ discharge})$
03208810	Indian Creek above Route 23 at Pound, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG10}(\text{Station } 03208810 \text{ discharge}) = -0.689 + 0.747 \cdot \text{LOG10}(\text{Station } 03208500 \text{ discharge})$

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Number of X-Y pairs	Distance between sites (mi)	Rsquare	Spearman ρ	LOC slope lower confidence limit	LOC slope upper confidence limit
Station number	Station description	Station number	Station description						
03207290	Unnamed mine drain to Burnt Chestnut Branch near Keen Mountain, Va.	03478400	Beaver Creek at Route 1405 at (near) Bristol, Va.	12	--	0.74	--	0.81	3.83
03207295	Lower Big Branch at Route 685 near Patterson, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	13	2.47	0.86	0.91	0.95	2.15
03207299	Dismal Creek above Mill Branch near Oakwood, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	19	6.95	0.99	0.98	0.95	1.11
03207350	Levisa Fork below Laurel Branch near Vansant, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	13	13.2	0.97	0.97	1.02	1.47
03207398	Trace Fork Branch along Route 83 near Vansant, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	13	7.68	0.90	0.88	0.86	1.67
03207407	Dry Fork at Route 627 at Vansant, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	13	4.51	0.95	0.90	1.04	1.60
03207450	Slate Creek at Route 1003 at Grundy, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	20	20.1	0.93	0.95	1.03	1.52
03207528	Unnamed mine drain to Burnt Poplar Fork near Harman Junction, Va.	03478400	Beaver Creek at Route 1405 at (near) Bristol, Va.	12	--	0.71	--	0.45	2.60
03207530	Bull Creek near Harman Junction, Va.	03165000	Chestnut Creek above Route 89 at Galax, Va.	13	86.5	0.86	0.97	0.58	1.35
03207550	Lynn Camp Creek at Route 460 near Harman Junction, Va.	02054500	Roanoke River at Route 603 at Lafayette, Va.	13	102	0.82	0.92	0.63	1.72
03207600	Home Creek at Route 700 near Big Rock, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	16	27.3	0.97	0.98	1.01	1.36
03207700	Unnamed mine drain to Levisa Fork at Big Rock, Va.	03471500	South Fork Holston River above Route 645 at Riverside, near Chilhowie, Va.	12	--	0.85	--	1.13	2.88
03207803	Unnamed mine drain to Dog Fork near Harman, Va.	03175500	Wolf Creek at Route 724 near Narrows, Va.	12	--	0.87	--	0.39	0.90
03207805	Conaway Creek at Route 610 at Conaway, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	13	15.4	0.97	0.98	0.50	0.69
0320803350	Grissom Creek above Venia near Council, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	12	11.1	0.90	--	0.99	2.06
03208043	Russell Fork along Route 80 at Davenport, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	12	10.6	0.97	--	1.02	1.45
03208046	Hurricane Creek along Route 600 at Davenport, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	13	9.49	0.97	0.98	1.18	1.66
0320806490	Unnamed mine drain to Tiller Fork near Duty, Va.	03475000	Middle Fork Holston River at Route 803 near Meadowview, Va.	12	--	0.77	--	0.48	1.78
03208089	Little Pawpaw Creek at Route 605 near Colley, Va.	03208950	Cranes Nest River below railroad bridge near Clintwood, Va.	12	18.5	0.96	--	1.50	2.23
032081037	Unnamed mine drain to Fryingpan Creek at Bucu, Va.	03475000	Middle Fork Holston River at Route 803 near Meadowview, Va.	12	--	0.82	--	0.36	1.03
03208150	Lick Creek along Route 670 at Birchleaf, Va.	03490000	North Fork Holston River at Route 23 near Gate City, Va.	10	27.0	0.97	0.85	1.75	2.61
03208240	War Fork along Route 83 at Prater, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	12	9.72	0.97	--	1.02	1.44
03208280	Greenbrier Creek at Route 83 at Vacey, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	12	11.6	0.86	--	0.87	2.09
03208400	McClure River above Buffalo Creek at Nora, Va.	03208950	Cranes Nest River below railroad bridge near Clintwood, Va.	13	10.2	0.94	0.92	0.77	1.25
03208410	Buffalo Creek at Route 63 near Nora, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	13	21.5	0.98	0.98	1.29	1.70
03208670	North Fork Pound River along Route 671 at Gilley near Flat Gap, Va.	03524500	Guest River at Route 72 at Coeburn, Va.	12	12.2	0.92	--	1.13	2.05
03208720	Unnamed mine drain to Phillips Creek near Flat Gap, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	10	--	0.88	0.75	0.24	0.61
03208795	South Fork Pound River at Route 700 at Pound, Va.	03208950	Cranes Nest River below railroad bridge near Clintwood, Va.	10	8.52	0.97	0.93	0.82	1.22
03208810	Indian Creek above Route 23 at Pound, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	16	19.4	0.96	0.94	0.77	1.08

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		LOG10 low-flow expressed as a function of index-record streamgaging station LOG10 discharge using the MOVE.1 method
Station number	Station description	Station number	Station description	
03208812	Unnamed mine drain to Meade Fork near Pound, Va.	03175500	Wolf Creek at Route 724 near Narrows, Va.	$\text{LOG10}(\text{Station } 03208812 \text{ discharge}) = -0.526 + 0.145 \cdot \text{LOG10}(\text{Station } 03175500 \text{ discharge})$
03208865	Bad Creek along Route 23 at Pound, Va.	02051600	Great Creek at Route 763 (old Route 618) near Cochran, Va.	$\text{LOG10}(\text{Station } 03208865 \text{ discharge}) = -1.619 + 1.169 \cdot \text{LOG10}(\text{Station } 02051600 \text{ discharge})$
03208870	Bad Creek tributary at Route 23 at Pound, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG10}(\text{Station } 03208870 \text{ discharge}) = -3.903 + 1.449 \cdot \text{LOG10}(\text{Station } 03208500 \text{ discharge})$
03208874	Right Fork Bearpen Creek at Route 630 near Pound, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	$\text{LOG10}(\text{Station } 03208874 \text{ discharge}) = -3.641 + 1.423 \cdot \text{LOG10}(\text{Station } 03207800 \text{ discharge})$
03208876	Left Fork Bearpen Creek at Route 630 near Pound, Va.	02032680	North Fork Rivanna River at Route 649 near Proffit, Va.	$\text{LOG10}(\text{Station } 03208876 \text{ discharge}) = -4.158 + 1.572 \cdot \text{LOG10}(\text{Station } 02032680 \text{ discharge})$
03208880	White Oak Creek tributary (Johnson Hollow tributary) at Route 630 near Pound, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	$\text{LOG10}(\text{Station } 03208880 \text{ discharge}) = -3.458 + 1.342 \cdot \text{LOG10}(\text{Station } 03207800 \text{ discharge})$
03208903	Pine Creek at Route 630 near Georges Fork, Va.	03173000	Walker Creek below Route 100 at Bane, Va.	$\text{LOG10}(\text{Station } 03208903 \text{ discharge}) = -4.535 + 1.675 \cdot \text{LOG10}(\text{Station } 03173000 \text{ discharge})$
03208904	Unnamed mine drain to Georges Fork at Baden near Georges Fork, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	$\text{LOG10}(\text{Station } 03208904 \text{ discharge}) = -0.727 + 0.225 \cdot \text{LOG10}(\text{Station } 03524000 \text{ discharge})$
0320890485	Georges Fork below Laurel Creek at Georges Fork, Va.	03208950	Cranes Nest River below railroad bridge near Clintwood, Va.	$\text{LOG10}(\text{Station } 0320890485 \text{ discharge}) = -0.905 + 1.037 \cdot \text{LOG10}(\text{Station } 03208950 \text{ discharge})$
0320890488	Unnamed mine drain to Georges Fork near Georges Fork, Va.	03177710	Bluestone River at Route 717 at Falls Mills, Va.	$\text{LOG10}(\text{Station } 0320890488 \text{ discharge}) = -4.012 + 1.382 \cdot \text{LOG10}(\text{Station } 03177710 \text{ discharge})$
03208937	Birchfield Creek at Route 636 near Duncan Gap, Va.	03529500	Powell River at Route 23 at Big Stone Gap, Va.	$\text{LOG10}(\text{Station } 03208937 \text{ discharge}) = -0.663 + 0.717 \cdot \text{LOG10}(\text{Station } 03529500 \text{ discharge})$
0320893750	Unnamed mine drain to Dotson Creek near Wise, Va.	03177710	Bluestone River at Route 717 at Falls Mills, Va.	$\text{LOG10}(\text{Station } 0320893750 \text{ discharge}) = -2.579 + 0.810 \cdot \text{LOG10}(\text{Station } 03177710 \text{ discharge})$
03209225	Unnamed mine drain to Middle Fork near Breaks, Va.	02054500	Roanoke River at Route 603 at Lafayette, Va.	$\text{LOG10}(\text{Station } 03209225 \text{ discharge}) = -3.912 + 1.067 \cdot \text{LOG10}(\text{Station } 02054500 \text{ discharge})$
03213572	Knox Creek at Route 650 at Hurley, Va.	02036500	Fine Creek at Route 711 at Fine Creek Mills, Va.	$\text{LOG10}(\text{Station } 03213572 \text{ discharge}) = -0.012 + 1.244 \cdot \text{LOG10}(\text{Station } 02036500 \text{ discharge})$
03213581	Race Fork at Route 643 near Kelsa, Va.	03175500	Wolf Creek at Route 724 near Narrows, Va.	$\text{LOG10}(\text{Station } 03213581 \text{ discharge}) = -2.142 + 1.208 \cdot \text{LOG10}(\text{Station } 03175500 \text{ discharge})$
03213584	Pawpaw Creek along Route 643 at Kelsa, Va.	02036500	Fine Creek at Route 711 at Fine Creek Mills, Va.	$\text{LOG10}(\text{Station } 03213584 \text{ discharge}) = -0.385 + 1.104 \cdot \text{LOG10}(\text{Station } 02036500 \text{ discharge})$
03471200	South Fork Holston River at Route 601 at Teas, Va.	02055000	Roanoke River at Walnut Street at Roanoke, Va.	$\text{LOG10}(\text{Station } 03471200 \text{ discharge}) = -1.879 + 1.438 \cdot \text{LOG10}(\text{Station } 02055000 \text{ discharge})$
03472080	Rush Creek above mouth near Friendship, Va.	02055000	Roanoke River at Walnut Street at Roanoke, Va.	$\text{LOG10}(\text{Station } 03472080 \text{ discharge}) = -2.804 + 1.467 \cdot \text{LOG10}(\text{Station } 02055000 \text{ discharge})$
03472260	Whitetop Laurel Creek at Konnarock, Va.	02070000	North Mayo River below Route 629 near Spencer, Va.	$\text{LOG10}(\text{Station } 03472260 \text{ discharge}) = -3.099 + 2.232 \cdot \text{LOG10}(\text{Station } 02070000 \text{ discharge})$
03473660	Bear Creek at Route 622 near Marion, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	$\text{LOG10}(\text{Station } 03473660 \text{ discharge}) = -2.349 + 1.447 \cdot \text{LOG10}(\text{Station } 03488000 \text{ discharge})$
03473840	Hungry Mother Creek tributary near Marion, Va.	03475000	Middle Fork Holston River at Route 803 near Meadowview, Va.	$\text{LOG10}(\text{Station } 03473840 \text{ discharge}) = -0.662 + 1.240 \cdot \text{LOG10}(\text{Station } 03475000 \text{ discharge})$
03473889	Walker Creek along Route 659 near Seven Mile Ford, Va.	03474000	Middle Fork Holston River at Route 11 at Seven Mile Ford, Va.	$\text{LOG10}(\text{Station } 03473889 \text{ discharge}) = -3.619 + 2.272 \cdot \text{LOG10}(\text{Station } 03474000 \text{ discharge})$
03474450	Carlock Creek at Route 774 at Chilhowie, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	$\text{LOG10}(\text{Station } 03474450 \text{ discharge}) = -2.164 + 1.217 \cdot \text{LOG10}(\text{Station } 03488000 \text{ discharge})$
03474700	Hutton Creek at Route 11 near Chilhowie, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	$\text{LOG10}(\text{Station } 03474700 \text{ discharge}) = -3.346 + 1.533 \cdot \text{LOG10}(\text{Station } 03524000 \text{ discharge})$
03474720	Hutton Creek at Huff Airport Road near Chilhowie, Va.	03167000	Reed Creek at Route 619 at Grahams Forge, Va.	$\text{LOG10}(\text{Station } 03474720 \text{ discharge}) = -0.953 + 0.842 \cdot \text{LOG10}(\text{Station } 03167000 \text{ discharge})$
03474800	Hall Creek at Route 11 near Glade Spring, Va.	03471500	South Fork Holston River above Route 645 at Riverside, near Chilhowie, Va.	$\text{LOG10}(\text{Station } 03474800 \text{ discharge}) = -0.348 + 0.660 \cdot \text{LOG10}(\text{Station } 03471500 \text{ discharge})$
03474900	Byers Creek at Route 735 near Glade Spring, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	$\text{LOG10}(\text{Station } 03474900 \text{ discharge}) = -1.198 + 0.941 \cdot \text{LOG10}(\text{Station } 03524000 \text{ discharge})$
03474905	Byers Creek along Route 736 at Bramblewood Farm near Old Glade Spring, Va.	03167000	Reed Creek at Route 619 at Grahams Forge, Va.	$\text{LOG10}(\text{Station } 03474905 \text{ discharge}) = -1.272 + 1.051 \cdot \text{LOG10}(\text{Station } 03167000 \text{ discharge})$
03475595	East Fork Cedar Creek above Meadowview wastewater outfall at Cedarville, Va.	03164000	New River at Route 94 near Galax, Va.	$\text{LOG10}(\text{Station } 03475595 \text{ discharge}) = -3.346 + 1.093 \cdot \text{LOG10}(\text{Station } 03164000 \text{ discharge})$

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Number of X-Y pairs	Distance between sites (mi)	Rsquare	Spearman ρ	LOC slope lower confidence limit	LOC slope upper confidence limit
Station number	Station description	Station number	Station description						
03208812	Unnamed mine drain to Meade Fork near Pound, Va.	03175500	Wolf Creek at Route 724 near Narrows, Va.	12	--	0.53	--	--	--
03208865	Bad Creek along Route 23 at Pound, Va.	02051600	Great Creek at Route 763 (old Route 618) near Cochran, Va.	15	257	0.91	0.98	0.88	1.56
03208870	Bad Creek tributary at Route 23 at Pound, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	24	21.1	0.95	0.95	1.26	1.67
03208874	Right Fork Bearpen Creek at Route 630 near Pound, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	21	32.5	0.92	0.89	1.16	1.75
03208876	Left Fork Bearpen Creek at Route 630 near Pound, Va.	02032680	North Fork Rivanna River at Route 649 near Proffit, Va.	16	237	0.81	0.87	1.01	2.45
03208880	White Oak Creek tributary (Johnson Hollow tributary) at Route 630 near Pound, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	26	31.6	0.95	0.96	1.16	1.55
03208903	Pine Creek at Route 630 near Georges Fork, Va.	03173000	Walker Creek below Route 100 at Bane, Va.	16	87.6	0.93	0.96	1.35	2.15
03208904	Unnamed mine drain to Georges Fork at Baden near Georges Fork, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	12	--	0.66	--	0.07	0.68
0320890485	Georges Fork below Laurel Creek at Georges Fork, Va.	03208950	Cranes Nest River below railroad bridge near Clintwood, Va.	12	6.05	0.92	--	0.77	1.40
0320890488	Unnamed mine drain to Georges Fork near Georges Fork, Va.	03177710	Bluestone River at Route 717 at Falls Mills, Va.	12	--	0.84	--	0.85	2.25
03208937	Birchfield Creek at Route 636 near Duncan Gap, Va.	03529500	Powell River at Route 23 at Big Stone Gap, Va.	12	12.1	0.72	--	0.31	1.65
0320893750	Unnamed mine drain to Dotson Creek near Wise, Va.	03177710	Bluestone River at Route 717 at Falls Mills, Va.	12	--	0.80	--	0.45	1.45
03209225	Unnamed mine drain to Middle Fork near Breaks, Va.	02054500	Roanoke River at Route 603 at Lafayette, Va.	12	--	0.67	--	0.38	2.98
03213572	Knox Creek at Route 650 at Hurley, Va.	02036500	Fine Creek at Route 711 at Fine Creek Mills, Va.	13	224	0.93	0.92	0.95	1.63
03213581	Race Fork at Route 643 near Kelsa, Va.	03175500	Wolf Creek at Route 724 near Narrows, Va.	12	50.6	0.89	--	0.82	1.78
03213584	Pawpaw Creek along Route 643 at Kelsa, Va.	02036500	Fine Creek at Route 711 at Fine Creek Mills, Va.	13	232	0.89	0.88	0.78	1.56
03471200	South Fork Holston River at Route 601 at Teas, Va.	02055000	Roanoke River at Walnut Street at Roanoke, Va.	10	73.1	0.67	0.88	0.50	4.14
03472080	Rush Creek above mouth near Friendship, Va.	02055000	Roanoke River at Walnut Street at Roanoke, Va.	14	90.4	0.88	0.90	1.03	2.08
03472260	Whitetop Laurel Creek at Konnarock, Va.	02070000	North Mayo River below Route 629 near Spencer, Va.	13	83.9	0.82	0.90	1.34	3.71
03473660	Bear Creek at Route 622 near Marion, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	24	7.68	0.97	0.93	1.36	1.68
03473840	Hungry Mother Creek tributary near Marion, Va.	03475000	Middle Fork Holston River at Route 803 near Meadowview, Va.	12	4.79	0.85	--	1.33	3.34
03473889	Walker Creek along Route 659 near Seven Mile Ford, Va.	03474000	Middle Fork Holston River at Route 11 at Seven Mile Ford, Va.	12	6.94	0.97	--	1.88	2.74
03474450	Carlock Creek at Route 774 at Chilhowie, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	25	12.3	0.98	0.93	1.12	1.33
03474700	Hutton Creek at Route 11 near Chilhowie, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	14	16.8	0.94	0.95	1.21	1.94
03474720	Hutton Creek at Huff Airport Road near Chilhowie, Va.	03167000	Reed Creek at Route 619 at Grahams Forge, Va.	7	36.3	0.93	0.82	0.60	1.18
03474800	Hall Creek at Route 11 near Glade Spring, Va.	03471500	South Fork Holston River above Route 645 at Riverside, near Chilhowie, Va.	14	18.4	0.96	0.95	0.54	0.80
03474900	Byers Creek at Route 735 near Glade Spring, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	23	18.8	0.93	0.94	0.39	0.56
03474905	Byers Creek along Route 736 at Bramblewood Farm near Old Glade Spring, Va.	03167000	Reed Creek at Route 619 at Grahams Forge, Va.	11	39.7	0.92	--	0.59	1.14
03475595	East Fork Cedar Creek above Meadowview wastewater outfall at Cedarville, Va.	03164000	New River at Route 94 near Galax, Va.	14	32.0	0.62	0.45	0.37	3.27

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		LOG10 low-flow expressed as a function of index-record streamgaging station LOG10 discharge using the MOVE.1 method
Station number	Station description	Station number	Station description	
03475602	Cedar Creek at Route 706 near Cedarville, Va.	03167000	Reed Creek at Route 619 at Grahams Forge, Va.	$\text{LOG}_{10}(\text{Station } 03475602 \text{ discharge}) = -2.347 + 1.641 \cdot \text{LOG}_{10}(\text{Station } 03167000 \text{ discharge})$
03475627	Wolf Creek at Route 11 at Abingdon, Va.	03173000	Walker Creek below Route 100 at Bane, Va.	$\text{LOG}_{10}(\text{Station } 03475627 \text{ discharge}) = -0.860 + 1.196 \cdot \text{LOG}_{10}(\text{Station } 03173000 \text{ discharge})$
03475630	Wolf Creek at Route 670 above wastewater outfall at Vance Mill near Abingdon, Va.	03175500	Wolf Creek at Route 724 near Narrows, Va.	$\text{LOG}_{10}(\text{Station } 03475630 \text{ discharge}) = -0.106 + 0.701 \cdot \text{LOG}_{10}(\text{Station } 03175500 \text{ discharge})$
03475700	Spring Creek at Route 11 near Abingdon, Va.	03473000	South Fork Holston River above Route 58 near Damascus, Va.	$\text{LOG}_{10}(\text{Station } 03475700 \text{ discharge}) = -1.657 + 0.813 \cdot \text{LOG}_{10}(\text{Station } 03473000 \text{ discharge})$
034765085	Sinking Creek near Hilander Park, Va.	03478400	Beaver Creek at Route 1405 at (near) Bristol, Va.	$\text{LOG}_{10}(\text{Station } 034765085 \text{ discharge}) = -1.604 + 1.212 \cdot \text{LOG}_{10}(\text{Station } 03478400 \text{ discharge})$
03487720	North Fork Holston River at Nebo, Va.	03521500	Clinch River along Route 707 at Richlands, Va.	$\text{LOG}_{10}(\text{Station } 03487720 \text{ discharge}) = -0.135 + 0.759 \cdot \text{LOG}_{10}(\text{Station } 03521500 \text{ discharge})$
03488037	McHenry Creek at Route 91 at Plasterco, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	$\text{LOG}_{10}(\text{Station } 03488037 \text{ discharge}) = -3.146 + 1.531 \cdot \text{LOG}_{10}(\text{Station } 03524000 \text{ discharge})$
03488955	Smith Creek along Route 614 near Craigs Mill, Va.	02065500	Cub Creek at Route 40 at Phenix, Va.	$\text{LOG}_{10}(\text{Station } 03488955 \text{ discharge}) = -0.817 + 0.759 \cdot \text{LOG}_{10}(\text{Station } 02065500 \text{ discharge})$
03489800	Cove Creek at Route 58 near Shelleys, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	$\text{LOG}_{10}(\text{Station } 03489800 \text{ discharge}) = -2.044 + 1.408 \cdot \text{LOG}_{10}(\text{Station } 03488000 \text{ discharge})$
03489860	Hilton Creek at Hilton, Va.	03531500	Powell River at Route 70 near Jonesville, Va.	$\text{LOG}_{10}(\text{Station } 03489860 \text{ discharge}) = -3.969 + 1.617 \cdot \text{LOG}_{10}(\text{Station } 03531500 \text{ discharge})$
03490020	Cate Branch above Route 713 near Yuma, Va.	02051500	Meherrin River at Route 715 near Lawrenceville, Va.	$\text{LOG}_{10}(\text{Station } 03490020 \text{ discharge}) = -3.821 + 1.116 \cdot \text{LOG}_{10}(\text{Station } 02051500 \text{ discharge})$
0352035545	North Fork Clinch River at Wittens Mills near Tazewell, Va.	03521500	Clinch River along Route 707 at Richlands, Va.	$\text{LOG}_{10}(\text{Station } 0352035545 \text{ discharge}) = -0.322 + 0.587 \cdot \text{LOG}_{10}(\text{Station } 03521500 \text{ discharge})$
03520370	Clinch River above Lincolnshire Branch at Tazewell, Va.	03175500	Wolf Creek at Route 724 near Narrows, Va.	$\text{LOG}_{10}(\text{Station } 03520370 \text{ discharge}) = -0.179 + 0.709 \cdot \text{LOG}_{10}(\text{Station } 03175500 \text{ discharge})$
03520700	Indian Creek at Route 612 at Harman, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	$\text{LOG}_{10}(\text{Station } 03520700 \text{ discharge}) = -2.457 + 1.402 \cdot \text{LOG}_{10}(\text{Station } 03207800 \text{ discharge})$
03520985	Indian Creek at Route 1206 at Cedar Bluff, Va.	03475000	Middle Fork Holston River at Route 803 near Meadowview, Va.	$\text{LOG}_{10}(\text{Station } 03520985 \text{ discharge}) = -4.825 + 2.720 \cdot \text{LOG}_{10}(\text{Station } 03475000 \text{ discharge})$
03520999	Indian Creek at mouth at Cedar Bluff, Va.	03207500	Levisa Fork along Route 460 near Grundy, Va.	$\text{LOG}_{10}(\text{Station } 03520999 \text{ discharge}) = -0.385 + 0.795 \cdot \text{LOG}_{10}(\text{Station } 03207500 \text{ discharge})$
03521650	Town Hill Creek at Hillcreek Road at Doran, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	$\text{LOG}_{10}(\text{Station } 03521650 \text{ discharge}) = -3.310 + 1.409 \cdot \text{LOG}_{10}(\text{Station } 03524000 \text{ discharge})$
03521700	Mudlick Creek above Route 460 at Doran, Va.	02044000	Nottoway River at Route 723 near Burkeville, Va.	$\text{LOG}_{10}(\text{Station } 03521700 \text{ discharge}) = -0.794 + 1.178 \cdot \text{LOG}_{10}(\text{Station } 02044000 \text{ discharge})$
03521950	Maiden Spring Creek at Route 16 near Thompson Valley, Va.	03175500	Wolf Creek at Route 724 near Narrows, Va.	$\text{LOG}_{10}(\text{Station } 03521950 \text{ discharge}) = -0.360 + 0.733 \cdot \text{LOG}_{10}(\text{Station } 03175500 \text{ discharge})$
03521998	Indian Creek at Route 19 at Wardell, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	$\text{LOG}_{10}(\text{Station } 03521998 \text{ discharge}) = -0.911 + 0.852 \cdot \text{LOG}_{10}(\text{Station } 03524000 \text{ discharge})$
03522500	Will Brooks Spring at Wardell, Va.	03490000	North Fork Holston River at Route 23 near Gate City, Va.	$\text{LOG}_{10}(\text{Station } 03522500 \text{ discharge}) = -1.831 + 0.722 \cdot \text{LOG}_{10}(\text{Station } 03490000 \text{ discharge})$
03522550	Flatrock Creek at Route 624 near Drill, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	$\text{LOG}_{10}(\text{Station } 03522550 \text{ discharge}) = -2.625 + 1.070 \cdot \text{LOG}_{10}(\text{Station } 03524000 \text{ discharge})$
03522595	Lewis Creek above wastewater outfall at Honaker, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	$\text{LOG}_{10}(\text{Station } 03522595 \text{ discharge}) = -2.412 + 1.351 \cdot \text{LOG}_{10}(\text{Station } 03524000 \text{ discharge})$
03522620	Lewis Creek above mouth near Honaker, Va.	03207500	Levisa Fork along Route 460 near Grundy, Va.	$\text{LOG}_{10}(\text{Station } 03522620 \text{ discharge}) = -0.540 + 0.824 \cdot \text{LOG}_{10}(\text{Station } 03207500 \text{ discharge})$
03523050	Big Cedar Creek below Little Cedar Creek near Lebanon, Va.	03473000	South Fork Holston River above Route 58 near Damascus, Va.	$\text{LOG}_{10}(\text{Station } 03523050 \text{ discharge}) = -0.856 + 0.955 \cdot \text{LOG}_{10}(\text{Station } 03473000 \text{ discharge})$
03524003	Unnamed mine drain to Laurel Branch near Carrie, Va.	03521500	Clinch River along Route 707 at Richlands, Va.	$\text{LOG}_{10}(\text{Station } 03524003 \text{ discharge}) = -2.524 + 0.645 \cdot \text{LOG}_{10}(\text{Station } 03521500 \text{ discharge})$
03524010	Dumps Creek at Route 600 near South Clinchfield, Va.	03530500	North Fork Powell River at Route 621 at Pennington Gap, Va.	$\text{LOG}_{10}(\text{Station } 03524010 \text{ discharge}) = -1.506 + 1.144 \cdot \text{LOG}_{10}(\text{Station } 03530500 \text{ discharge})$
03524030	Chaney Creek at Route 615 near South Clinchfield, Va.	03530500	North Fork Powell River at Route 621 at Pennington Gap, Va.	$\text{LOG}_{10}(\text{Station } 03524030 \text{ discharge}) = 0.288 + 0.967 \cdot \text{LOG}_{10}(\text{Station } 03530500 \text{ discharge})$
03524045	Unnamed mine drain to Right Fork near Dante, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	$\text{LOG}_{10}(\text{Station } 03524045 \text{ discharge}) = -1.656 + 0.480 \cdot \text{LOG}_{10}(\text{Station } 03488000 \text{ discharge})$
03524048	Lick Creek at Hamlin, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	$\text{LOG}_{10}(\text{Station } 03524048 \text{ discharge}) = -1.935 + 1.160 \cdot \text{LOG}_{10}(\text{Station } 03524000 \text{ discharge})$

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Number of X-Y pairs	Distance between sites (mi)	Rsquare	Spearman ρ	LOC slope lower confidence limit	LOC slope upper confidence limit
Station number	Station description	Station number	Station description						
03475602	Cedar Creek at Route 706 near Cedarville, Va.	03167000	Reed Creek at Route 619 at Grahams Forge, Va.	11	42.5	0.93	--	0.70	1.31
03475627	Wolf Creek at Route 11 at Abingdon, Va.	03173000	Walker Creek below Route 100 at Bane, Va.	14	65.6	0.54	0.67	0.07	6.67
03475630	Wolf Creek at Route 670 above wastewater outfall at Vance Mill near Abingdon, Va.	03175500	Wolf Creek at Route 724 near Narrows, Va.	13	54.9	0.72	0.74	0.33	1.51
03475700	Spring Creek at Route 11 near Abingdon, Va.	03473000	South Fork Holston River above Route 58 near Damascus, Va.	14	20.2	0.86	0.93	0.55	1.21
034765085	Sinking Creek near Hilander Park, Va.	03478400	Beaver Creek at Route 1405 at (near) Bristol, Va.	10	2.51	0.96	0.98	0.96	1.53
03487720	North Fork Holston River at Nebo, Va.	03521500	Clinch River along Route 707 at Richlands, Va.	12	17.3	0.84	--	0.47	1.24
03488037	McHenry Creek at Route 91 at Plasterco, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	16	14.1	0.84	0.74	1.04	2.25
03488955	Smith Creek along Route 614 near Craigs Mill, Va.	02065500	Cub Creek at Route 40 at Phenix, Va.	13	189	0.69	0.69	0.33	1.76
03489800	Cove Creek at Route 58 near Shelleys, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	41	48.9	0.96	0.93	1.28	1.55
03489860	Hilton Creek at Hilton, Va.	03531500	Powell River at Route 70 near Jonesville, Va.	13	25.4	--	0.83	--	--
03490020	Cate Branch above Route 713 near Yuma, Va.	02051500	Meherrin River at Route 715 near Lawrenceville, Va.	10	245	0.59	0.64	--	--
0352035545	North Fork Clinch River at Wittens Mills near Tazewell, Va.	03521500	Clinch River along Route 707 at Richlands, Va.	16	9.19	0.89	0.90	0.43	0.79
03520370	Clinch River above Lincolnshire Branch at Tazewell, Va.	03175500	Wolf Creek at Route 724 near Narrows, Va.	12	15.2	0.92	--	0.52	0.96
03520700	Indian Creek at Route 612 at Harman, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	10	15.9	0.96	0.95	1.20	1.93
03520985	Indian Creek at Route 1206 at Cedar Bluff, Va.	03475000	Middle Fork Holston River at Route 803 near Meadowview, Va.	12	24.0	0.93	--	2.03	3.64
03520999	Indian Creek at mouth at Cedar Bluff, Va.	03207500	Levisa Fork along Route 460 near Grundy, Va.	25	14.5	0.91	0.89	0.65	0.97
03521650	Town Hill Creek at Hillcreek Road at Doran, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	13	5.88	0.96	0.97	1.15	1.73
03521700	Mudlick Creek above Route 460 at Doran, Va.	02044000	Nottoway River at Route 723 near Burkeville, Va.	13	198	0.96	0.96	0.96	1.44
03521950	Maiden Spring Creek at Route 16 near Thompson Valley, Va.	03175500	Wolf Creek at Route 724 near Narrows, Va.	22	17.1	0.91	0.87	0.59	0.91
03521998	Indian Creek at Route 19 at Wardell, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	15	4.13	0.97	0.91	0.73	1.00
03522500	Will Brooks Spring at Wardell, Va.	03490000	North Fork Holston River at Route 23 near Gate City, Va.	26	--	0.79	0.79	0.51	1.01
03522550	Flatrock Creek at Route 624 near Drill, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	13	8.99	0.96	0.98	0.87	1.31
03522595	Lewis Creek above wastewater outfall at Honaker, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	13	9.35	0.95	0.98	1.09	1.67
03522620	Lewis Creek above mouth near Honaker, Va.	03207500	Levisa Fork along Route 460 near Grundy, Va.	12	12.2	0.97	--	0.69	0.99
03523050	Big Cedar Creek below Little Cedar Creek near Lebanon, Va.	03473000	South Fork Holston River above Route 58 near Damascus, Va.	15	24.5	0.88	0.96	0.69	1.33
03524003	Unnamed mine drain to Laurel Branch near Carrie, Va.	03521500	Clinch River along Route 707 at Richlands, Va.	12	--	0.75	--	0.31	1.32
03524010	Dumps Creek at Route 600 near South Clinchfield, Va.	03530500	North Fork Powell River at Route 621 at Pennington Gap, Va.	14	45.6	0.96	0.97	0.94	1.39
03524030	Chaney Creek at Route 615 near South Clinchfield, Va.	03530500	North Fork Powell River at Route 621 at Pennington Gap, Va.	15	43.7	0.98	0.99	0.81	1.05
03524045	Unnamed mine drain to Right Fork near Dante, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	12	--	0.69	--	0.19	1.22
03524048	Lick Creek at Hamlin, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	11	26.2	0.98	--	0.99	1.36

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		LOG10 low-flow expressed as a function of index-record streamgaging station LOG10 discharge using the MOVE.1 method
Station number	Station description	Station number	Station description	
03524050	Lick Creek at Route 628 at St. Paul, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG10}(\text{Station } 03524050 \text{ discharge}) = -0.931 + 1.015 \cdot \text{LOG10}(\text{Station } 03208500 \text{ discharge})$
03524300	Guest River at Route 625 near Stephens, Va.	03208950	Cranes Nest River below railroad bridge near Clintwood, Va.	$\text{LOG10}(\text{Station } 03524300 \text{ discharge}) = -0.777 + 1.034 \cdot \text{LOG10}(\text{Station } 03208950 \text{ discharge})$
03524305	Unnamed mine drain to unnamed tributary to Sepulcher Creek near Stephens, Va.	03475000	Middle Fork Holston River at Route 803 near Meadowview, Va.	$\text{LOG10}(\text{Station } 03524305 \text{ discharge}) = -1.908 + 0.495 \cdot \text{LOG10}(\text{Station } 03475000 \text{ discharge})$
03524308	Rocky Fork at Route 625 near Stephens, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	$\text{LOG10}(\text{Station } 03524308 \text{ discharge}) = -1.235 + 0.709 \cdot \text{LOG10}(\text{Station } 03488000 \text{ discharge})$
03524346	Bear Creek above Yellow Creek near Wise, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	$\text{LOG10}(\text{Station } 03524346 \text{ discharge}) = -0.974 + 0.637 \cdot \text{LOG10}(\text{Station } 03524000 \text{ discharge})$
03524348	Yellow Creek along Route 681 near Wise, Va.	03529500	Powell River at Route 23 at Big Stone Gap, Va.	$\text{LOG10}(\text{Station } 03524348 \text{ discharge}) = -1.599 + 0.964 \cdot \text{LOG10}(\text{Station } 03529500 \text{ discharge})$
03524445	Toms Creek above Little Toms Creek at Coeburn, Va.	03531500	Powell River at Route 70 near Jonesville, Va.	$\text{LOG10}(\text{Station } 03524445 \text{ discharge}) = -1.186 + 0.849 \cdot \text{LOG10}(\text{Station } 03531500 \text{ discharge})$
03524449	Little Toms Creek at mouth at Coeburn, Va.	03529500	Powell River at Route 23 at Big Stone Gap, Va.	$\text{LOG10}(\text{Station } 03524449 \text{ discharge}) = -2.545 + 1.438 \cdot \text{LOG10}(\text{Station } 03529500 \text{ discharge})$
03524520	Crab Orchard Branch near Coeburn, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	$\text{LOG10}(\text{Station } 03524520 \text{ discharge}) = -7.139 + 2.923 \cdot \text{LOG10}(\text{Station } 03488000 \text{ discharge})$
03524560	Davy Land Branch at Forest Road 700 near Dungannon, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG10}(\text{Station } 03524560 \text{ discharge}) = -2.622 + 1.124 \cdot \text{LOG10}(\text{Station } 03208500 \text{ discharge})$
03524570	Joel Branch at Forest Road 700 near Dungannon, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	$\text{LOG10}(\text{Station } 03524570 \text{ discharge}) = -4.078 + 1.597 \cdot \text{LOG10}(\text{Station } 03207800 \text{ discharge})$
03524580	Corder Branch at Forest Road 700 near Dungannon, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG10}(\text{Station } 03524580 \text{ discharge}) = -3.599 + 1.627 \cdot \text{LOG10}(\text{Station } 03208500 \text{ discharge})$
03524590	Ramey Branch at Route 664 near Coeburn, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG10}(\text{Station } 03524590 \text{ discharge}) = -3.384 + 1.449 \cdot \text{LOG10}(\text{Station } 03208500 \text{ discharge})$
03524600	Laurel Branch at Forest Road 701 near Dungannon, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG10}(\text{Station } 03524600 \text{ discharge}) = -3.502 + 1.492 \cdot \text{LOG10}(\text{Station } 03208500 \text{ discharge})$
03524860	Coalpit Branch above Route 657 near Ka, Va.	02054500	Roanoke River at Route 603 at Lafayette, Va.	$\text{LOG10}(\text{Station } 03524860 \text{ discharge}) = -3.552 + 1.562 \cdot \text{LOG10}(\text{Station } 02054500 \text{ discharge})$
03524890	Devil Fork near Route 619 above mouth near Ka, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	$\text{LOG10}(\text{Station } 03524890 \text{ discharge}) = -3.447 + 1.764 \cdot \text{LOG10}(\text{Station } 03207800 \text{ discharge})$
03525050	Cove Creek along Route 722 near Stanleytown, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	$\text{LOG10}(\text{Station } 03525050 \text{ discharge}) = -4.769 + 2.235 \cdot \text{LOG10}(\text{Station } 03207800 \text{ discharge})$
03525060	Stinking Creek at Route 722 near Stanleytown, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	$\text{LOG10}(\text{Station } 03525060 \text{ discharge}) = -4.556 + 1.900 \cdot \text{LOG10}(\text{Station } 03207800 \text{ discharge})$
03525070	Dry Creek near Route 602 near Stanleytown, Va.	03531500	Powell River at Route 70 near Jonesville, Va.	$\text{LOG10}(\text{Station } 03525070 \text{ discharge}) = -4.518 + 1.713 \cdot \text{LOG10}(\text{Station } 03531500 \text{ discharge})$
03525090	Cove Creek above Duncan Branch near Stanleytown, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG10}(\text{Station } 03525090 \text{ discharge}) = -0.857 + 0.936 \cdot \text{LOG10}(\text{Station } 03208500 \text{ discharge})$
03525150	Stock Creek off Forest Road 239 near Mabe, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	$\text{LOG10}(\text{Station } 03525150 \text{ discharge}) = -3.816 + 1.775 \cdot \text{LOG10}(\text{Station } 03207800 \text{ discharge})$
03525170	Shupe Branch at Forest Road 239 near Mabe, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	$\text{LOG10}(\text{Station } 03525170 \text{ discharge}) = -4.273 + 1.873 \cdot \text{LOG10}(\text{Station } 03488000 \text{ discharge})$
03525190	Laurel Fork at Route 653 at Mabe, Va.	03521500	Clinch River along Route 707 at Richlands, Va.	$\text{LOG10}(\text{Station } 03525190 \text{ discharge}) = -2.932 + 1.629 \cdot \text{LOG10}(\text{Station } 03521500 \text{ discharge})$
03525210	Dry Fork at Route 653 near Mabe, Va.	03521500	Clinch River along Route 707 at Richlands, Va.	$\text{LOG10}(\text{Station } 03525210 \text{ discharge}) = -5.109 + 2.571 \cdot \text{LOG10}(\text{Station } 03521500 \text{ discharge})$
03525300	Stock Creek at Route 650 near Natural Tunnel, Va.	03531500	Powell River at Route 70 near Jonesville, Va.	$\text{LOG10}(\text{Station } 03525300 \text{ discharge}) = -2.871 + 1.588 \cdot \text{LOG10}(\text{Station } 03531500 \text{ discharge})$
03525400	Stock Creek above Little Stock Creek at Clinchport, Va.	03531500	Powell River at Route 70 near Jonesville, Va.	$\text{LOG10}(\text{Station } 03525400 \text{ discharge}) = -1.266 + 1.129 \cdot \text{LOG10}(\text{Station } 03531500 \text{ discharge})$
03527480	North Fork Clinch River at Route 23 near Duffield, Va.	03177700	Bluestone River above wastewater outfall at Bluefield, Va.	$\text{LOG10}(\text{Station } 03527480 \text{ discharge}) = -0.799 + 1.231 \cdot \text{LOG10}(\text{Station } 03177700 \text{ discharge})$
03529173	Powell River below Benges Branch near Norton, Va.	03531500	Powell River at Route 70 near Jonesville, Va.	$\text{LOG10}(\text{Station } 03529173 \text{ discharge}) = -1.322 + 1.017 \cdot \text{LOG10}(\text{Station } 03531500 \text{ discharge})$
03529310	Roaring Fork above Route 603 at Dunbar, Va.	03529500	Powell River at Route 23 at Big Stone Gap, Va.	$\text{LOG10}(\text{Station } 03529310 \text{ discharge}) = -0.772 + 0.867 \cdot \text{LOG10}(\text{Station } 03529500 \text{ discharge})$
03529404	Unnamed mine drain to Mud Lick Creek at Roda, Va.	03473000	South Fork Holston River above Route 58 near Damascus, Va.	$\text{LOG10}(\text{Station } 03529404 \text{ discharge}) = -3.100 + 0.606 \cdot \text{LOG10}(\text{Station } 03473000 \text{ discharge})$
03529420	Callahan Creek at interstate railroad discharge at Andover, Va.	02054500	Roanoke River at Route 603 at Lafayette, Va.	$\text{LOG10}(\text{Station } 03529420 \text{ discharge}) = -1.449 + 1.251 \cdot \text{LOG10}(\text{Station } 02054500 \text{ discharge})$

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Number of X-Y pairs	Distance between sites (mi)	Rsquare	Spearman ρ	LOC slope lower confidence limit	LOC slope upper confidence limit
Station number	Station description	Station number	Station description						
03524050	Lick Creek at Route 628 at St. Paul, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	32	10.5	0.96	0.97	0.90	1.14
03524300	Guest River at Route 625 near Stephens, Va.	03208950	Cranes Nest River below railroad bridge near Clintwood, Va.	11	8.84	0.98	--	0.88	1.22
03524305	Unnamed mine drain to unnamed tributary to Sepulcher Creek near Stephens, Va.	03475000	Middle Fork Holston River at Route 803 near Meadowview, Va.	12	--	0.90	--	0.35	0.70
03524308	Rocky Fork at Route 625 near Stephens, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	10	59.9	0.98	0.99	1.12	1.61
03524346	Bear Creek above Yellow Creek near Wise, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	19	40.3	0.86	0.85	0.47	0.87
03524348	Yellow Creek along Route 681 near Wise, Va.	03529500	Powell River at Route 23 at Big Stone Gap, Va.	13	10.5	0.92	0.85	0.73	1.28
03524445	Toms Creek above Little Toms Creek at Coeburn, Va.	03531500	Powell River at Route 70 near Jonesville, Va.	14	24.9	0.97	0.96	0.73	0.99
03524449	Little Toms Creek at mouth at Coeburn, Va.	03529500	Powell River at Route 23 at Big Stone Gap, Va.	10	17.7	0.99	1.00	1.30	1.60
03524520	Crab Orchard Branch near Coeburn, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	10	49.7	0.86	1.00	1.72	4.97
03524560	Davy Land Branch at Forest Road 700 near Dungannon, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	18	21.5	0.92	0.95	0.90	1.41
03524570	Joel Branch at Forest Road 700 near Dungannon, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	17	38.1	0.91	0.95	1.24	2.05
03524580	Corder Branch at Forest Road 700 near Dungannon, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	19	20.2	0.90	0.96	1.25	2.08
03524590	Ramey Branch at Route 664 near Coeburn, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	15	19.6	0.92	0.89	1.11	1.90
03524600	Laurel Branch at Forest Road 701 near Dungannon, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	21	20.3	0.92	0.95	1.24	1.89
03524860	Coalpit Branch above Route 657 near Ka, Va.	02054500	Roanoke River at Route 603 at Lafayette, Va.	19	131	0.90	0.92	1.26	2.13
03524890	Devil Fork near Route 619 above mouth near Ka, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	20	47.0	0.86	0.93	1.30	2.39
03525050	Cove Creek along Route 722 near Stanleytown, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	17	50.0	0.86	0.88	1.63	3.21
03525060	Stinking Creek at Route 722 near Stanleytown, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	18	49.0	0.90	0.95	1.48	2.50
03525070	Dry Creek near Route 602 near Stanleytown, Va.	03531500	Powell River at Route 70 near Jonesville, Va.	21	9.32	0.96	0.97	1.50	1.96
03525090	Cove Creek above Duncan Branch near Stanleytown, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	13	33.4	0.92	0.92	0.69	1.26
03525150	Stock Creek off Forest Road 239 near Mabe, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	19	51.9	0.92	0.94	1.42	2.22
03525170	Shupe Branch at Forest Road 239 near Mabe, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	18	67.6	0.89	0.95	1.42	2.48
03525190	Laurel Fork at Route 653 at Mabe, Va.	03521500	Clinch River along Route 707 at Richlands, Va.	15	67.7	0.91	0.96	1.23	2.15
03525210	Dry Fork at Route 653 near Mabe, Va.	03521500	Clinch River along Route 707 at Richlands, Va.	11	68.2	0.84	--	1.56	4.56
03525300	Stock Creek at Route 650 near Natural Tunnel, Va.	03531500	Powell River at Route 70 near Jonesville, Va.	10	8.50	0.96	0.95	1.24	2.03
03525400	Stock Creek above Little Stock Creek at Clinchport, Va.	03531500	Powell River at Route 70 near Jonesville, Va.	23	9.29	0.90	0.89	0.90	1.41
03527480	North Fork Clinch River at Route 23 near Duffield, Va.	03177700	Bluestone River above wastewater outfall at Bluefield, Va.	15	88.1	0.92	0.95	0.95	1.59
03529173	Powell River below Benges Branch near Norton, Va.	03531500	Powell River at Route 70 near Jonesville, Va.	13	13.9	0.86	0.89	0.66	1.56
03529310	Roaring Fork above Route 603 at Dunbar, Va.	03529500	Powell River at Route 23 at Big Stone Gap, Va.	14	4.55	0.98	0.94	0.76	1.00
03529404	Unnamed mine drain to Mud Lick Creek at Roda, Va.	03473000	South Fork Holston River above Route 58 near Damascus, Va.	12	--	0.50	--	--	--
03529420	Callahan Creek at interstate railroad discharge at Andover, Va.	02054500	Roanoke River at Route 603 at Lafayette, Va.	11	140	0.84	0.94	0.73	2.13

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		LOG10 low-flow expressed as a function of index-record streamgaging station LOG10 discharge using the MOVE.1 method
Station number	Station description	Station number	Station description	
03530550	North Fork Powell River above wastewater outfall at Pennington Gap, Va.	03531500	Powell River at Route 70 near Jonesville, Va.	$\text{LOG}_{10}(\text{Station } 03530550 \text{ discharge}) = -1.267 + 1.252 \cdot \text{LOG}_{10}(\text{Station } 03531500 \text{ discharge})$

Table 6. Low-flow MOVE.1 equations for selected partial-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles; --, not determined]

Partial-record streamgaging station		Index-record streamgaging station		Number of X-Y pairs	Distance between sites (mi)	Rsquare	Spearman ρ	LOC slope lower confidence limit	LOC slope upper confidence limit
Station number	Station description	Station number	Station description						
03530550	North Fork Powell River above wastewater outfall at Pennington Gap, Va.	03531500	Powell River at Route 70 near Jonesville, Va.	11	8.42	0.89	0.78	0.84	1.87