

Table 5. Low-flow MOVE.1 equations for selected short-term, continuous-record streamgaging stations.

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles]

Short-term continuous-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	
01614830	Opequon Creek at Route 11 near Stephens City, Va.	01632900	Smith Creek at Route 616 near New Market, Va.	$\text{LOG}_{10}(\text{Station 01614830 discharge}) = -0.774 + 0.940 \cdot \text{LOG}_{10}(\text{Station 01632900 discharge})$
01616100	Dry Marsh Run at Route 645 near Berryville, Va.	01634000	North Fork Shenandoah River at Route 55 near Strasburg, Va.	$\text{LOG}_{10}(\text{Station 01616100 discharge}) = -1.879 + 1.08 \cdot \text{LOG}_{10}(\text{Station 01634000 discharge})$
01621000	Dry River at Route 847 at Rawley Springs, Va.	01632000	North Fork Shenandoah River above Route 259 at Cootes Store, Va.	$\text{LOG}_{10}(\text{Station 01621000 discharge}) = -0.717 + 1.34 \cdot \text{LOG}_{10}(\text{Station 01632000 discharge})$
01624000	Bell Creek at Route 732 at Franks Mill near Staunton, Va.	01625000	Middle River at Route 769 near Grottoes, Va.	$\text{LOG}_{10}(\text{Station 01624000 discharge}) = -4.887 + 2.09 \cdot \text{LOG}_{10}(\text{Station 01625000 discharge})$
01625900	Back Creek at Route 624 at Lyndhurst, Va.	01665500	Rapidan River below Route 29 near Ruckersville, Va.	$\text{LOG}_{10}(\text{Station 01625900 discharge}) = -2.860 + 2.15 \cdot \text{LOG}_{10}(\text{Station 01665500 discharge})$
01628150	Deep Run 0.5 miles above Route 708 near Grottoes, Va.	01628060	White Oak Run 0.15 miles above mouth near Grottoes, Va.	$\text{LOG}_{10}(\text{Station 01628150 discharge}) = -0.120 + 0.813 \cdot \text{LOG}_{10}(\text{Station 01628060 discharge})$
01630700	Gooney Run at Route 622 near Glen Echo, Va.	01663500	Hazel River at Route 229 at Rixeyville, Va.	$\text{LOG}_{10}(\text{Station 01630700 discharge}) = -1.424 + 1.13 \cdot \text{LOG}_{10}(\text{Station 01663500 discharge})$
01633500	Stony Creek along Route 675 at Columbia Furnace, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	$\text{LOG}_{10}(\text{Station 01633500 discharge}) = -0.167 + 1.04 \cdot \text{LOG}_{10}(\text{Station 01634500 discharge})$
01635090	Cedar Creek above Route 11 near Middletown, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	$\text{LOG}_{10}(\text{Station 01635090 discharge}) = 0.474 + 0.833 \cdot \text{LOG}_{10}(\text{Station 01634500 discharge})$
01636242	Crooked Run below Route 340 at Riverton, Va.	01613900	Hogue Creek at Route 614 near Hayfield, Va.	$\text{LOG}_{10}(\text{Station 01636242 discharge}) = 0.482 + 0.898 \cdot \text{LOG}_{10}(\text{Station 01613900 discharge})$
0163626650	Manassas Run at Route 645 near Front Royal, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	$\text{LOG}_{10}(\text{Station 0163626650 discharge}) = -1.197 + 0.953 \cdot \text{LOG}_{10}(\text{Station 01644000 discharge})$
01636316	Spout Run at Route 621 near Millwood, Va.	01634000	North Fork Shenandoah River at Route 55 near Strasburg, Va.	$\text{LOG}_{10}(\text{Station 01636316 discharge}) = -0.677 + 0.754 \cdot \text{LOG}_{10}(\text{Station 01634000 discharge})$
01636330	Horsepen Springs near Briggs, Va.	01632900	Smith Creek at Route 616 near New Market, Va.	$\text{LOG}_{10}(\text{Station 01636330 discharge}) = -1.606 + 0.740 \cdot \text{LOG}_{10}(\text{Station 01632900 discharge})$
01636690	Piney Run at Route 671 near Lovettsville, Va.	01664000	Rappahannock River at Route 29 (Alternate) at Remington, Va.	$\text{LOG}_{10}(\text{Station 01636690 discharge}) = -1.850 + 1.06 \cdot \text{LOG}_{10}(\text{Station 01664000 discharge})$
01638350	South Fork Catoctin Creek at Route 698 near Waterford, Va.	01638480	Catoctin Creek at Route 663 at Taylorstown, Va.	$\text{LOG}_{10}(\text{Station 01638350 discharge}) = -0.340 + 0.951 \cdot \text{LOG}_{10}(\text{Station 01638480 discharge})$
01638420	North Fork Catoctin Creek at Route 681 bridge near Waterford, Va.	01638480	Catoctin Creek at Route 663 at Taylorstown, Va.	$\text{LOG}_{10}(\text{Station 01638420 discharge}) = -0.876 + 1.17 \cdot \text{LOG}_{10}(\text{Station 01638480 discharge})$
01643590	Limestone Branch at Route 15 near Leesburg, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	$\text{LOG}_{10}(\text{Station 01643590 discharge}) = -1.152 + 1.10 \cdot \text{LOG}_{10}(\text{Station 01634500 discharge})$
01643805	North Fork Goose Creek at Route 729 near Lincoln, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	$\text{LOG}_{10}(\text{Station 01643805 discharge}) = -0.514 + 0.837 \cdot \text{LOG}_{10}(\text{Station 01644000 discharge})$
01643880	Beaverdam Creek at Route 734 near Mountville, Va.	01643700	Goose Creek at Route 611 near Middleburg, Va.	$\text{LOG}_{10}(\text{Station 01643880 discharge}) = -0.824 + 1.21 \cdot \text{LOG}_{10}(\text{Station 01643700 discharge})$

Table 5. Low-flow MOVE.1 equations for selected short-term, continuous-record streamgaging stations. – Continued

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Short-term continuous-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	
01644280	Broad Run at Route 7 near Leesburg, Va.	01646000	Difficult Run below Route 193 near Great Falls, Va.	$\text{LOG}_{10}(\text{Station } 01644280 \text{ discharge}) = -0.254 + 1.19 \cdot \text{LOG}_{10}(\text{Station } 01646000 \text{ discharge})$
01645704	Difficult Run above Fox Lake near Fairfax, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 01645704 \text{ discharge}) = -0.159 + 0.813 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
01645762	South Fork Little Difficult Run above mouth near Vienna, Va.	01659500	Middle Branch Chopawamsic Creek above Marine Road near Garrisonville, Va.	$\text{LOG}_{10}(\text{Station } 01645762 \text{ discharge}) = -0.044 + 1.35 \cdot \text{LOG}_{10}(\text{Station } 01659500 \text{ discharge})$
01645784	Snakeden Branch at Soapstone Drive at Reston, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 01645784 \text{ discharge}) = -1.095 + 0.881 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
01654500	Long Branch (Little Run) at Route 620 near Annandale, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 01654500 \text{ discharge}) = -0.675 + 0.984 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
01655000	Accotink Creek at Army Engineer Road near Accotink Station, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 01655000 \text{ discharge}) = 0.194 + 1.00 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
01656102	Goslin Run at Marine Road near Aden, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station } 01656102 \text{ discharge}) = -0.347 + 1.48 \cdot \text{LOG}_{10}(\text{Station } 01658500 \text{ discharge})$
01656120	Cedar Run at Route 646 near Aden, Va.	01656100	Cedar Run at Route 611 near Aden, Va.	$\text{LOG}_{10}(\text{Station } 01656120 \text{ discharge}) = 0.205 + 0.916 \cdot \text{LOG}_{10}(\text{Station } 01656100 \text{ discharge})$
01656903	Flatlick Branch above Frog Branch at Chantilly, Va.	01659000	North Branch Chopawamsic Creek above Marine Road 1 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station } 01656903 \text{ discharge}) = 0.229 + 1.15 \cdot \text{LOG}_{10}(\text{Station } 01659000 \text{ discharge})$
01657020	Bull Run at Route 28 near Manassas Park, Va.	01656960	Cub Run at Route 658 near Bull Run, Va.	$\text{LOG}_{10}(\text{Station } 01657020 \text{ discharge}) = 1.03 + 0.647 \cdot \text{LOG}_{10}(\text{Station } 01656960 \text{ discharge})$
01657655	Hooes Run above Route 641 near Occoquan, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station } 01657655 \text{ discharge}) = -0.186 + 1.13 \cdot \text{LOG}_{10}(\text{Station } 01658500 \text{ discharge})$
01657850	Neabsco Creek at Delaney Road (Route 610) at Dale City, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	$\text{LOG}_{10}(\text{Station } 01657850 \text{ discharge}) = -0.628 + 1.11 \cdot \text{LOG}_{10}(\text{Station } 01654000 \text{ discharge})$
01657895	Powells Creek at Route 643 near Dale City, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station } 01657895 \text{ discharge}) = 0.043 + 1.18 \cdot \text{LOG}_{10}(\text{Station } 01658500 \text{ discharge})$
01658480	Quantico Creek at pyrite mine road near Dumfries, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station } 01658480 \text{ discharge}) = 0.114 + 0.807 \cdot \text{LOG}_{10}(\text{Station } 01658500 \text{ discharge})$
01658550	South Fork Quantico Creek at Camp 5 Lake, near Joplin, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station } 01658550 \text{ discharge}) = 0.272 + 0.748 \cdot \text{LOG}_{10}(\text{Station } 01658500 \text{ discharge})$
01658650	South Fork Quantico Creek above mouth near Dumfries, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station } 01658650 \text{ discharge}) = 0.532 + 0.745 \cdot \text{LOG}_{10}(\text{Station } 01658500 \text{ discharge})$

Table 5. Low-flow MOVE.1 equations for selected short-term, continuous-record streamgaging stations. – Continued

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Short-term continuous-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	
01658698	Little Creek at Mocking Bird Road at Triangle, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station 01658698 discharge}) = -0.298 + 0.694 \cdot \text{LOG}_{10}(\text{Station 01658500 discharge})$
01658705	Little Creek at Geiger Road at Quantico, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station 01658705 discharge}) = 0.053 + 0.582 \cdot \text{LOG}_{10}(\text{Station 01658500 discharge})$
01660100	Chopawamsic Creek at Russell Road near Joplin, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station 01660100 discharge}) = 0.261 + 1.45 \cdot \text{LOG}_{10}(\text{Station 01658500 discharge})$
01660380	Cannon Creek above mouth near Garrisonville, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	$\text{LOG}_{10}(\text{Station 01660380 discharge}) = 0.392 + 0.938 \cdot \text{LOG}_{10}(\text{Station 01658500 discharge})$
01661900	Carter Run off Route 691 near Marshall, Va.	01656500	Broad Run at Route 29 at Buckland, Va.	$\text{LOG}_{10}(\text{Station 01661900 discharge}) = -0.408 + 1.06 \cdot \text{LOG}_{10}(\text{Station 01656500 discharge})$
01662156	South Fork Brokenback Run near Nethers, Va.	01665500	Rapidan River below Route 29 near Ruckersville, Va.	$\text{LOG}_{10}(\text{Station 01662156 discharge}) = -2.138 + 0.989 \cdot \text{LOG}_{10}(\text{Station 01665500 discharge})$
01667000	Rapidan River below Route 615 at Rapidan, Va.	01668000	Rappahannock River below Motts Run near Fredericksburg, Va.	$\text{LOG}_{10}(\text{Station 01667000 discharge}) = -0.344 + 0.938 \cdot \text{LOG}_{10}(\text{Station 01668000 discharge})$
01667870	Mountain Run at Route 611 near Burr Hill, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	$\text{LOG}_{10}(\text{Station 01667870 discharge}) = -0.002 + 0.807 \cdot \text{LOG}_{10}(\text{Station 01673800 discharge})$
01670180	Pamunkey Creek at Route 669 at Lahore, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	$\text{LOG}_{10}(\text{Station 01670180 discharge}) = 0.436 + 0.652 \cdot \text{LOG}_{10}(\text{Station 01673800 discharge})$
01671025	North Anna River above Little River near Doswell, Va.	01672500	South Anna River at Route 54 near Ashland, Va.	$\text{LOG}_{10}(\text{Station 01671025 discharge}) = 0.154 + 0.932 \cdot \text{LOG}_{10}(\text{Station 01672500 discharge})$
01672000	South Anna River at Route 617 at Vontay, Va.	02040000	Appomattox River at railroad bridge at Mattoax, Va.	$\text{LOG}_{10}(\text{Station 01672000 discharge}) = -0.837 + 1.19 \cdot \text{LOG}_{10}(\text{Station 02040000 discharge})$
02012000	Falling Spring Creek at Route 220 near Falling Spring, Va.	02016500	James River below Route 220 at Lick Run, Va.	$\text{LOG}_{10}(\text{Station 02012000 discharge}) = -0.914 + 0.685 \cdot \text{LOG}_{10}(\text{Station 02016500 discharge})$
02014500	Smith Creek above old dam, near Clifton Forge, Va.	02016500	James River below Route 220 at Lick Run, Va.	$\text{LOG}_{10}(\text{Station 02014500 discharge}) = -2.541 + 1.18 \cdot \text{LOG}_{10}(\text{Station 02016500 discharge})$
02024300	Buffalo Creek at Route 608 near Glasgow, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	$\text{LOG}_{10}(\text{Station 02024300 discharge}) = 0.569 + 1.03 \cdot \text{LOG}_{10}(\text{Station 02022500 discharge})$
02024500	Maury (North) River at Route 130 near Glasgow, Va.	02035000	James River at Route 45 at Cartersville, Va.	$\text{LOG}_{10}(\text{Station 02024500 discharge}) = -1.641 + 1.19 \cdot \text{LOG}_{10}(\text{Station 02035000 discharge})$
02024752	James River at Blue Ridge Parkway near Big Island, Va.	02018000	Craig Creek at abandoned railroad bridge at Parr, Va.	$\text{LOG}_{10}(\text{Station 02024752 discharge}) = 1.58 + 0.777 \cdot \text{LOG}_{10}(\text{Station 02018000 discharge})$
02024915	Pedlar River at Forest Road 39 near Buena Vista, Va.	02027500	Piney River at Route 151 at Piney River, Va.	$\text{LOG}_{10}(\text{Station 02024915 discharge}) = -0.274 + 0.992 \cdot \text{LOG}_{10}(\text{Station 02027500 discharge})$

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Short-term continuous-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	
02032000	Moormans River below Charlottesville Reservoir near White Hall, Va.	02028500	Rockfish River at Route 634 near Greenfield, Va.	$\text{LOG}_{10}(\text{Station } 02032000 \text{ discharge}) = -6.224 + 3.61 \cdot \text{LOG}_{10}(\text{Station } 02028500 \text{ discharge})$
02033500	Rivanna River below Moores Creek near Charlottesville, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	$\text{LOG}_{10}(\text{Station } 02033500 \text{ discharge}) = 0.299 + 0.906 \cdot \text{LOG}_{10}(\text{Station } 01667500 \text{ discharge})$
02035500	Big Lickinghole Creek at Route 600 near Goochland, Va.	01672500	South Anna River at Route 54 near Ashland, Va.	$\text{LOG}_{10}(\text{Station } 02035500 \text{ discharge}) = -1.366 + 1.24 \cdot \text{LOG}_{10}(\text{Station } 01672500 \text{ discharge})$
02036000	Beaverdam Creek at Route 6 at State Farm, Va.	01672500	South Anna River at Route 54 near Ashland, Va.	$\text{LOG}_{10}(\text{Station } 02036000 \text{ discharge}) = -1.195 + 1.07 \cdot \text{LOG}_{10}(\text{Station } 01672500 \text{ discharge})$
02038830	Fishpond Creek at Route 617 near Hixburg, Va.	02038850	Holiday Creek above Route 614 near Andersonville, Va.	$\text{LOG}_{10}(\text{Station } 02038830 \text{ discharge}) = 0.132 + 1.07 \cdot \text{LOG}_{10}(\text{Station } 02038850 \text{ discharge})$
02038880	Vaughans Creek at Route 626 near Hixburg, Va.	02038850	Holiday Creek above Route 614 near Andersonville, Va.	$\text{LOG}_{10}(\text{Station } 02038880 \text{ discharge}) = 0.650 + 0.699 \cdot \text{LOG}_{10}(\text{Station } 02038850 \text{ discharge})$
02042000	Swift Creek at Bradley Bridge Road near Chester, Va.	02038500	Falling Creek at Hopkins Road near Drewrys Bluff, Va.	$\text{LOG}_{10}(\text{Station } 02042000 \text{ discharge}) = 0.086 + 1.19 \cdot \text{LOG}_{10}(\text{Station } 02038500 \text{ discharge})$
02042287	Chickahominy River at Route 301 near Atlee, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	$\text{LOG}_{10}(\text{Station } 02042287 \text{ discharge}) = -1.254 + 2.15 \cdot \text{LOG}_{10}(\text{Station } 01673550 \text{ discharge})$
02042426	Upham Brook at Wilkinson Road near Richmond, Va.	02038000	Falling Creek at Route 651 near Chesterfield, Va.	$\text{LOG}_{10}(\text{Station } 02042426 \text{ discharge}) = -0.573 + 1.49 \cdot \text{LOG}_{10}(\text{Station } 02038000 \text{ discharge})$
02045200	Waqua Creek at Route 606 near Alberta, Va.	02051600	Great Creek at Route 763 (old Route 618) near Cochran, Va.	$\text{LOG}_{10}(\text{Station } 02045200 \text{ discharge}) = -0.557 + 1.28 \cdot \text{LOG}_{10}(\text{Station } 02051600 \text{ discharge})$
02046500	Anderson Branch at Route 40 at Sussex, Va.	02046000	Stony Creek at Route 1 near (at) Dinwiddie, Va.	$\text{LOG}_{10}(\text{Station } 02046500 \text{ discharge}) = -4.372 + 2.57 \cdot \text{LOG}_{10}(\text{Station } 02046000 \text{ discharge})$
02047100	Assamoosick Swamp at Route 35 near Sebrell, Va.	02048000	Blackwater River at Route 460 at Zuni, Va.	$\text{LOG}_{10}(\text{Station } 02047100 \text{ discharge}) = -1.994 + 1.48 \cdot \text{LOG}_{10}(\text{Station } 02048000 \text{ discharge})$
02048500	Seacock Swamp (Creek) at Route 635 near Berlin (at Unity), Va.	02048000	Blackwater River at Route 460 at Zuni, Va.	$\text{LOG}_{10}(\text{Station } 02048500 \text{ discharge}) = -1.938 + 1.48 \cdot \text{LOG}_{10}(\text{Station } 02048000 \text{ discharge})$
02054510	Roanoke River near Wabun, Va.	02054530	Roanoke River at Route 1154 at Glenvar, Va.	$\text{LOG}_{10}(\text{Station } 02054510 \text{ discharge}) = -0.038 + 1.01 \cdot \text{LOG}_{10}(\text{Station } 02054530 \text{ discharge})$
02058000	Snow Creek at Route 969 at Sago, Va.	02058500	Pigg River along Route 605 near Toshes, Va.	$\text{LOG}_{10}(\text{Station } 02058000 \text{ discharge}) = -1.590 + 1.32 \cdot \text{LOG}_{10}(\text{Station } 02058500 \text{ discharge})$
02059000	Roanoke River at Route 1109 near Gretna, Va.	02057500	Roanoke River near Toshes, Va.	$\text{LOG}_{10}(\text{Station } 02059000 \text{ discharge}) = -0.031 + 1.07 \cdot \text{LOG}_{10}(\text{Station } 02057500 \text{ discharge})$
02059485	Goose Creek at Route 747 near Bunker Hill, Va.	02059500	Goose Creek above Route 732 near Huddleston, Va.	$\text{LOG}_{10}(\text{Station } 02059485 \text{ discharge}) = -0.193 + 0.999 \cdot \text{LOG}_{10}(\text{Station } 02059500 \text{ discharge})$
02062000	Big Otter River above Tardy Branch near Altavista, Va.	02059500	Goose Creek above Route 732 near Huddleston, Va.	$\text{LOG}_{10}(\text{Station } 02062000 \text{ discharge}) = -0.051 + 1.21 \cdot \text{LOG}_{10}(\text{Station } 02059500 \text{ discharge})$
02063000	Caldwells Creek (East Fork Falling River) at Route 719 near Appomattox, Va.	02064000	Falling River at Route 643 near Naruna, Va.	$\text{LOG}_{10}(\text{Station } 02063000 \text{ discharge}) = -1.639 + 1.07 \cdot \text{LOG}_{10}(\text{Station } 02064000 \text{ discharge})$

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Station number	Station description	Station number	Station description	
02063500	Falling River (East Fork Falling River) above Route 646 at Spring Mills, Va.	02064000	Falling River at Route 643 near Naruna, Va.	$\text{LOG}_{10}(\text{Station } 02063500 \text{ discharge}) = -0.429 + 0.958 \cdot \text{LOG}_{10}(\text{Station } 02064000 \text{ discharge})$
02064500	Little Falling River at Route 618 at Hat Creek, Va.	02064000	Falling River at Route 643 near Naruna, Va.	$\text{LOG}_{10}(\text{Station } 02064500 \text{ discharge}) = -1.327 + 1.40 \cdot \text{LOG}_{10}(\text{Station } 02064000 \text{ discharge})$
02065000	Falling River below Hat Creek near Brookneal, Va.	02039500	Appomattox River at Route 45 at Farmville, Va.	$\text{LOG}_{10}(\text{Station } 02065000 \text{ discharge}) = -0.380 + 1.13 \cdot \text{LOG}_{10}(\text{Station } 02039500 \text{ discharge})$
02073500	Leatherwood Creek at Route 650 near Martinsville (Old Liberty), Va.	02074500	Sandy River above Route 863 near Danville, Va.	$\text{LOG}_{10}(\text{Station } 02073500 \text{ discharge}) = -1.098 + 1.48 \cdot \text{LOG}_{10}(\text{Station } 02074500 \text{ discharge})$
03163000	New River above Kings Branch near Baywood, Va.	03171500	New River at Route 730 at Eggleston, Va.	$\text{LOG}_{10}(\text{Station } 03163000 \text{ discharge}) = 0.491 + 0.767 \cdot \text{LOG}_{10}(\text{Station } 03171500 \text{ discharge})$
03166000	Cripple Creek at Route 94 near Ivanhoe, Va.	03167000	Reed Creek at Route 619 at Grahams Forge, Va.	$\text{LOG}_{10}(\text{Station } 03166000 \text{ discharge}) = -0.408 + 1.10 \cdot \text{LOG}_{10}(\text{Station } 03167000 \text{ discharge})$
03169500	Little River at Route 787 near Copper Valley, Va.	03167500	Big Reed Island Creek below Route 693 near Allisonia, Va.	$\text{LOG}_{10}(\text{Station } 03169500 \text{ discharge}) = -0.428 + 1.11 \cdot \text{LOG}_{10}(\text{Station } 03167500 \text{ discharge})$
03172500	Walker Creek at Route 660 at Staffordsville, Va.	03175500	Wolf Creek at Route 724 near Narrows, Va.	$\text{LOG}_{10}(\text{Station } 03172500 \text{ discharge}) = -0.157 + 1.10 \cdot \text{LOG}_{10}(\text{Station } 03175500 \text{ discharge})$
03175100	Cox Branch above Tazewell Reservoir, near Gratton, Va.	03175500	Wolf Creek at Route 724 near Narrows, Va.	$\text{LOG}_{10}(\text{Station } 03175100 \text{ discharge}) = -2.000 + 1.10 \cdot \text{LOG}_{10}(\text{Station } 03175500 \text{ discharge})$
03175140	West Fork Cove Creek below Oneida Branch near Bluefield, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	$\text{LOG}_{10}(\text{Station } 03175140 \text{ discharge}) = -1.777 + 1.20 \cdot \text{LOG}_{10}(\text{Station } 03488000 \text{ discharge})$
03208032	Grissom Creek near Fletcher Ridge near Council, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG}_{10}(\text{Station } 03208032 \text{ discharge}) = -3.952 + 1.55 \cdot \text{LOG}_{10}(\text{Station } 03208500 \text{ discharge})$
03208033	Grissom Creek tributary near Council, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG}_{10}(\text{Station } 03208033 \text{ discharge}) = -4.063 + 1.67 \cdot \text{LOG}_{10}(\text{Station } 03208500 \text{ discharge})$
03208034	Grissom Creek at Route 626 near Council, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG}_{10}(\text{Station } 03208034 \text{ discharge}) = -3.809 + 1.80 \cdot \text{LOG}_{10}(\text{Station } 03208500 \text{ discharge})$
03208036	Barton Fork above mouth near Council, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG}_{10}(\text{Station } 03208036 \text{ discharge}) = -2.807 + 1.21 \cdot \text{LOG}_{10}(\text{Station } 03208500 \text{ discharge})$
03208040	Russell Fork at Route 80 at Council, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG}_{10}(\text{Station } 03208040 \text{ discharge}) = -2.155 + 1.34 \cdot \text{LOG}_{10}(\text{Station } 03208500 \text{ discharge})$
03208100	Russell Fork at Route 80 near Birchleaf, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG}_{10}(\text{Station } 03208100 \text{ discharge}) = -1.094 + 1.24 \cdot \text{LOG}_{10}(\text{Station } 03208500 \text{ discharge})$
03213577	Kershaw Branch near Hurley, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	$\text{LOG}_{10}(\text{Station } 03213577 \text{ discharge}) = -3.120 + 1.12 \cdot \text{LOG}_{10}(\text{Station } 03207800 \text{ discharge})$
03213590	Knox Creek at Route 697 at Kelsa, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	$\text{LOG}_{10}(\text{Station } 03213590 \text{ discharge}) = -1.384 + 1.37 \cdot \text{LOG}_{10}(\text{Station } 03207800 \text{ discharge})$

Table 5. Low-flow MOVE.1 equations for selected short-term, continuous-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles]

Short-term continuous-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	
03487800	Lick Creek above Route 42 near Chatham Hill, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	$\text{LOG}_{10}(\text{Station } 03487800 \text{ discharge}) = -2.475 + 1.64 \bullet \text{LOG}_{10}(\text{Station } 03488000 \text{ discharge})$
03488100	North Fork Holston River at Route 611 near Plasterco, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	$\text{LOG}_{10}(\text{Station } 03488100 \text{ discharge}) = 0.048 + 0.998 \bullet \text{LOG}_{10}(\text{Station } 03488000 \text{ discharge})$
03488445	Brumley Creek near Hansonville, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	$\text{LOG}_{10}(\text{Station } 03488445 \text{ discharge}) = -3.589 + 2.02 \bullet \text{LOG}_{10}(\text{Station } 03488000 \text{ discharge})$
03488450	Brumley Creek at Route 611 at Brumley Gap, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	$\text{LOG}_{10}(\text{Station } 03488450 \text{ discharge}) = -3.169 + 1.77 \bullet \text{LOG}_{10}(\text{Station } 03524000 \text{ discharge})$
03488500	North Fork Holston River at Route 19 at Holston, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	$\text{LOG}_{10}(\text{Station } 03488500 \text{ discharge}) = 0.303 + 0.990 \bullet \text{LOG}_{10}(\text{Station } 03488000 \text{ discharge})$
03489850	Cove Creek at Route 803 near Hilton, Va.	03526000	Copper Creek at Route 619 near Gate City, Va.	$\text{LOG}_{10}(\text{Station } 03489850 \text{ discharge}) = -2.021 + 1.57 \bullet \text{LOG}_{10}(\text{Station } 03526000 \text{ discharge})$
03489870	Big Moccasin Creek at Route 612 at Collinwood, near Hansonville, Va.	03526000	Copper Creek at Route 619 near Gate City, Va.	$\text{LOG}_{10}(\text{Station } 03489870 \text{ discharge}) = -0.964 + 1.29 \bullet \text{LOG}_{10}(\text{Station } 03526000 \text{ discharge})$
03489900	Big Moccasin Creek at Route 71 near Gate City, Va.	03526000	Copper Creek at Route 619 near Gate City, Va.	$\text{LOG}_{10}(\text{Station } 03489900 \text{ discharge}) = -0.516 + 1.19 \bullet \text{LOG}_{10}(\text{Station } 03526000 \text{ discharge})$
03520967	Indian Creek along railroad near Cedar Bluff, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	$\text{LOG}_{10}(\text{Station } 03520967 \text{ discharge}) = -1.910 + 1.33 \bullet \text{LOG}_{10}(\text{Station } 03207800 \text{ discharge})$
03521000	Clinch River at Route 631 at Cedar Bluff, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	$\text{LOG}_{10}(\text{Station } 03521000 \text{ discharge}) = -0.838 + 1.09 \bullet \text{LOG}_{10}(\text{Station } 03524000 \text{ discharge})$
03522000	Little River at Route 19 at Wardell, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	$\text{LOG}_{10}(\text{Station } 03522000 \text{ discharge}) = -0.269 + 0.867 \bullet \text{LOG}_{10}(\text{Station } 03524000 \text{ discharge})$
03523000	Big Cedar (Cedar) Creek above Route 19 near Lebanon, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	$\text{LOG}_{10}(\text{Station } 03523000 \text{ discharge}) = -1.134 + 1.04 \bullet \text{LOG}_{10}(\text{Station } 03524000 \text{ discharge})$
03523500	Thompson Creek at Route 646 near Coulwood, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	$\text{LOG}_{10}(\text{Station } 03523500 \text{ discharge}) = -2.041 + 1.14 \bullet \text{LOG}_{10}(\text{Station } 03524000 \text{ discharge})$
03524550	Guest River near Miller Yard, Va.	03208950	Cranes Nest River below railroad bridge near Clintwood, Va.	$\text{LOG}_{10}(\text{Station } 03524550 \text{ discharge}) = -0.040 + 1.25 \bullet \text{LOG}_{10}(\text{Station } 03208950 \text{ discharge})$
03524900	Stony Creek at Route 619 at Ka, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	$\text{LOG}_{10}(\text{Station } 03524900 \text{ discharge}) = -1.027 + 1.18 \bullet \text{LOG}_{10}(\text{Station } 03208500 \text{ discharge})$
03525000	Stony Creek above Route 66 at Fort Blackmore, Va.	03529500	Powell River at Route 23 at Big Stone Gap, Va.	$\text{LOG}_{10}(\text{Station } 03525000 \text{ discharge}) = -1.561 + 1.51 \bullet \text{LOG}_{10}(\text{Station } 03529500 \text{ discharge})$
03525500	Clinch River at Clinchport, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	$\text{LOG}_{10}(\text{Station } 03525500 \text{ discharge}) = 0.483 + 1.10 \bullet \text{LOG}_{10}(\text{Station } 03488000 \text{ discharge})$
03527500	North Fork Clinch River at Route 58 at Duffield, Va.	03531500	Powell River at Route 70 near Jonesville, Va.	$\text{LOG}_{10}(\text{Station } 03527500 \text{ discharge}) = -1.421 + 1.11 \bullet \text{LOG}_{10}(\text{Station } 03531500 \text{ discharge})$

Table 5. Low-flow MOVE.1 equations for selected short-term, continuous-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles]

Short-term continuous-record streamgaging station		Index-record streamgaging station		Distance between sites (mi)	Pearson correlation coefficient	LOC slope lower confidence limit	LOC slope upper confidence limit	LOC confidence limit alpha
Station number	Station description	Station number	Station description					
01614830	Opequon Creek at Route 11 near Stephens City, Va.	01632900	Smith Creek at Route 616 near New Market, Va.	47.0	0.78	0.910	0.972	0.050
01616100	Dry Marsh Run at Route 645 near Berryville, Va.	01634000	North Fork Shenandoah River at Route 55 near Strasburg, Va.	37.6	0.73	1.04	1.14	0.050
01621000	Dry River at Route 847 at Rawley Springs, Va.	01632000	North Fork Shenandoah River above Route 259 at Cootes Store, Va.	28.7	0.95	1.30	1.37	0.050
01624000	Bell Creek at Route 732 at Franks Mill near Staunton, Va.	01625000	Middle River at Route 769 near Grottoes, Va.	29.9	0.85	2.03	2.15	0.050
01625900	Back Creek at Route 624 at Lyndhurst, Va.	01665500	Rapidan River below Route 29 near Ruckersville, Va.	21.8	0.80	2.05	2.27	0.050
01628150	Deep Run 0.5 miles above Route 708 near Grottoes, Va.	01628060	White Oak Run 0.15 miles above mouth near Grottoes, Va.	0.946	0.89	0.782	0.845	0.050
01630700	Gooney Run at Route 622 near Glen Echo, Va.	01663500	Hazel River at Route 229 at Rixeyville, Va.	32.0	0.94	1.11	1.14	0.050
01633500	Stony Creek along Route 675 at Columbia Furnace, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	37.9	0.90	1.02	1.06	0.050
01635090	Cedar Creek above Route 11 near Middletown, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	2.97	0.95	0.822	0.845	0.050
01636242	Crooked Run below Route 340 at Riverton, Va.	01613900	Hogue Creek at Route 614 near Hayfield, Va.	38.4	0.85	0.869	0.927	0.050
0163626650	Manassas Run at Route 645 near Front Royal, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	50.2	0.83	0.923	0.983	0.050
01636316	Spout Run at Route 621 near Millwood, Va.	01634000	North Fork Shenandoah River at Route 55 near Strasburg, Va.	33.3	0.69	0.717	0.794	0.050
01636330	Horsepen Springs near Briggs, Va.	01632900	Smith Creek at Route 616 near New Market, Va.	50.3	0.68	0.659	0.831	0.050
01636690	Piney Run at Route 671 near Lovettsville, Va.	01664000	Rappahannock River at Route 29 (Alternate) at Remington, Va.	60.1	0.84	1.03	1.09	0.050
01638350	South Fork Catoclin Creek at Route 698 near Waterford, Va.	01638480	Catoclin Creek at Route 663 at Taylorstown, Va.	2.94	0.94	0.936	0.966	0.050
01638420	North Fork Catoclin Creek at Route 681 bridge near Waterford, Va.	01638480	Catoclin Creek at Route 663 at Taylorstown, Va.	2.59	0.93	1.15	1.19	0.050
01643590	Limestone Branch at Route 15 near Leesburg, Va.	01634500	Cedar Creek above Route 628 near Winchester, Va.	47.0	0.74	1.06	1.14	0.050
01643805	North Fork Goose Creek at Route 729 near Lincoln, Va.	01644000	Goose Creek above Route 621 near Leesburg, Va.	4.15	0.92	0.822	0.853	0.050
01643880	Beaverdam Creek at Route 734 near Mountville, Va.	01643700	Goose Creek at Route 611 near Middleburg, Va.	29.8	0.89	1.18	1.24	0.050

Table 5. Low-flow MOVE.1 equations for selected short-term, continuous-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles]

Short-term continuous-record streamgaging station		Index-record streamgaging station		Distance between sites (mi)	Pearson correlation coefficient	LOC slope lower confidence limit	LOC slope upper confidence limit	LOC confidence limit alpha
Station number	Station description	Station number	Station description					
01644280	Broad Run at Route 7 near Leesburg, Va.	01646000	Difficult Run below Route 193 near Great Falls, Va.	31.1	0.74	1.14	1.24	0.050
01645704	Difficult Run above Fox Lake near Fairfax, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	4.59	0.79	0.756	0.875	0.050
01645762	South Fork Little Difficult Run above mouth near Vienna, Va.	01659500	Middle Branch Chopawamsic Creek above Marine Road near Garrisonville, Va.	14.8	0.85	1.28	1.43	0.050
01645784	Snakeden Branch at Soapstone Drive at Reston, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	6.15	0.55	0.818	0.949	0.050
01654500	Long Branch (Little Run) at Route 620 near Annandale, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	0.350	0.84	0.959	1.01	0.050
01655000	Accotink Creek at Army Engineer Road near Accotink Station, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	2.40	0.78	0.965	1.04	0.050
01656102	Goslin Run at Marine Road near Aden, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	4.21	0.86	1.38	1.59	0.050
01656120	Cedar Run at Route 646 near Aden, Va.	01656100	Cedar Run at Route 611 near Aden, Va.	1.88	0.99	0.905	0.928	0.050
01656903	Flatlick Branch above Frog Branch at Chantilly, Va.	01659000	North Branch Chopawamsic Creek above Marine Road 1 near Independent Hill, Va.	13.1	0.70	1.05	1.27	0.050
01657020	Bull Run at Route 28 near Manassas Park, Va.	01656960	Cub Run at Route 658 near Bull Run, Va.	0.893	0.90	0.623	0.671	0.050
01657655	Hooes Run above Route 641 near Occoquan, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	5.77	0.81	1.09	1.16	0.050
01657850	Neabsco Creek at Delaney Road (Route 610) at Dale City, Va.	01654000	Accotink Creek above Route 620 near Annandale, Va.	7.92	0.87	1.05	1.17	0.050
01657895	Powells Creek at Route 643 near Dale City, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	2.18	0.86	1.11	1.25	0.050
01658480	Quantico Creek at pyrite mine road near Dumfries, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	2.75	0.92	0.777	0.837	0.050
01658550	South Fork Quantico Creek at Camp 5 Lake, near Joplin, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	0.786	0.95	0.727	0.770	0.050
01658650	South Fork Quantico Creek above mouth near Dumfries, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	2.72	0.93	0.721	0.770	0.050

Table 5. Low-flow MOVE.1 equations for selected short-term, continuous-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles]

Short-term continuous-record streamgaging station		Index-record streamgaging station		Distance between sites (mi)	Pearson correlation coefficient	LOC slope lower confidence limit	LOC slope upper confidence limit	LOC confidence limit alpha
Station number	Station description	Station number	Station description					
01658698	Little Creek at Mocking Bird Road at Triangle, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	4.18	0.68	0.642	0.751	0.050
01658705	Little Creek at Geiger Road at Quantico, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	5.03	0.70	0.540	0.627	0.050
01660100	Chopawamsic Creek at Russell Road near Joplin, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	3.20	0.86	1.41	1.49	0.050
01660380	Cannon Creek above mouth near Garrisonville, Va.	01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	4.54	0.91	0.904	0.974	0.050
01661900	Carter Run off Route 691 near Marshall, Va.	01656500	Broad Run at Route 29 at Buckland, Va.	6.46	0.91	1.03	1.08	0.050
01662156	South Fork Brokenback Run near Nethers, Va.	01665500	Rapidan River below Route 29 near Ruckersville, Va.	12.1	0.82	0.955	1.02	0.050
01667000	Rapidan River below Route 615 at Rapidan, Va.	01668000	Rappahannock River below Motts Run near Fredericksburg, Va.	39.1	0.94	0.921	0.955	0.050
01667870	Mountain Run at Route 611 near Burr Hill, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	12.4	0.88	0.776	0.839	0.050
01670180	Pamunkey Creek at Route 669 at Lahore, Va.	01673800	Po River at Route 208 near Spotsylvania, Va.	12.4	0.81	0.621	0.683	0.050
01671025	North Anna River above Little River near Doswell, Va.	01672500	South Anna River at Route 54 near Ashland, Va.	4.16	0.84	0.901	0.964	0.050
01672000	South Anna River at Route 617 at Vontay, Va.	02040000	Appomattox River at railroad bridge at Mattoax, Va.	15.0	0.86	1.15	1.24	0.050
02012000	Falling Spring Creek at Route 220 near Falling Spring, Va.	02016500	James River below Route 220 at Lick Run, Va.	6.53	0.84	0.658	0.712	0.050
02014500	Smith Creek above old dam, near Clifton Forge, Va.	02016500	James River below Route 220 at Lick Run, Va.	3.81	0.88	1.16	1.21	0.050
02024300	Buffalo Creek at Route 608 near Glasgow, Va.	02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	5.68	0.98	1.01	1.05	0.050
02024500	Maury (North) River at Route 130 near Glasgow, Va.	02035000	James River at Route 45 at Cartersville, Va.	66.6	0.80	1.15	1.23	0.050
02024752	James River at Blue Ridge Parkway near Big Island, Va.	02018000	Craig Creek at abandoned railroad bridge at Parr, Va.	18.3	0.92	0.755	0.801	0.050
02024915	Pedlar River at Forest Road 39 near Buena Vista, Va.	02027500	Piney River at Route 151 at Piney River, Va.	8.25	0.92	0.972	1.01	0.050

Table 5. Low-flow MOVE.1 equations for selected short-term, continuous-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles]

Short-term continuous-record streamgaging station		Index-record streamgaging station		Distance between sites (mi)	Pearson correlation coefficient	LOC slope lower confidence limit	LOC slope upper confidence limit	LOC confidence limit alpha
Station number	Station description	Station number	Station description					
02032000	Moormans River below Charlottesville Reservoir near White Hall, Va.	02028500	Rockfish River at Route 634 near Greenfield, Va.	38.7	0.85	3.42	3.80	0.050
02033500	Rivanna River below Moores Creek near Charlottesville, Va.	01667500	Rapidan River above Route 522 near Culpeper, Va.	39.9	0.89	0.878	0.934	0.050
02035500	Big Lickinghole Creek at Route 600 near Goochland, Va.	01672500	South Anna River at Route 54 near Ashland, Va.	14.2	0.76	1.14	1.34	0.050
02036000	Beaverdam Creek at Route 6 at State Farm, Va.	01672500	South Anna River at Route 54 near Ashland, Va.	11.1	0.84	1.03	1.12	0.050
02038830	Fishpond Creek at Route 617 near Hixburg, Va.	02038850	Holiday Creek above Route 614 near Andersonville, Va.	1.71	0.96	1.04	1.09	0.050
02038880	Vaughans Creek at Route 626 near Hixburg, Va.	02038850	Holiday Creek above Route 614 near Andersonville, Va.	2.77	0.94	0.679	0.721	0.050
02042000	Swift Creek at Bradley Bridge Road near Chester, Va.	02038500	Falling Creek at Hopkins Road near Drewrys Bluff, Va.	6.16	0.93	1.16	1.21	0.050
02042287	Chickahominy River at Route 301 near Atlee, Va.	01673550	Totopotomoy Creek at Route 606 near Studley, Va.	5.49	0.88	2.10	2.20	0.050
02042426	Upham Brook at Wilkinson Road near Richmond, Va.	02038000	Falling Creek at Route 651 near Chesterfield, Va.	7.70	0.68	1.41	1.58	0.050
02045200	Waqua Creek at Route 606 near Alberta, Va.	02051600	Great Creek at Route 763 (old Route 618) near Cochran, Va.	4.71	0.89	1.23	1.34	0.050
02046500	Anderson Branch at Route 40 at Sussex, Va.	02046000	Stony Creek at Route 1 near (at) Dinwiddie, Va.	35.7	0.65	2.41	2.74	0.050
02047100	Assamoosick Swamp at Route 35 near Sebrell, Va.	02048000	Blackwater River at Route 460 at Zuni, Va.	31.1	0.84	1.42	1.53	0.050
02048500	Seacock Swamp (Creek) at Route 635 near Berlin (at Unity), Va.	02048000	Blackwater River at Route 460 at Zuni, Va.	2.58	0.82	1.43	1.52	0.050
02054510	Roanoke River near Wabun, Va.	02054530	Roanoke River at Route 1154 at Glenvar, Va.	1.30	0.99	1.00	1.02	0.050
02058000	Snow Creek at Route 969 at Sago, Va.	02058500	Pigg River along Route 605 near Toshes, Va.	6.07	0.80	1.28	1.36	0.050
02059000	Roanoke River at Route 1109 near Gretna, Va.	02057500	Roanoke River near Toshes, Va.	1.95	0.95	1.05	1.09	0.050
02059485	Goose Creek at Route 747 near Bunker Hill, Va.	02059500	Goose Creek above Route 732 near Huddleston, Va.	4.31	0.96	0.978	1.02	0.050
02062000	Big Otter River above Tardy Branch near Altavista, Va.	02059500	Goose Creek above Route 732 near Huddleston, Va.	8.11	0.89	1.18	1.24	0.050
02063000	Caldwells Creek (East Fork Falling River) at Route 719 near Appomattox, Va.	02064000	Falling River at Route 643 near Naruna, Va.	9.01	0.76	1.03	1.12	0.050

Table 5. Low-flow MOVE.1 equations for selected short-term, continuous-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles]

Short-term continuous-record streamgaging station		Index-record streamgaging station		Distance between sites (mi)	Pearson correlation coefficient	LOC slope lower confidence limit	LOC slope upper confidence limit	LOC confidence limit alpha
Station number	Station description	Station number	Station description					
02063500	Falling River (East Fork Falling River) above Route 646 at Spring Mills, Va.	02064000	Falling River at Route 643 near Naruna, Va.	5.03	0.91	0.938	0.979	0.050
02064500	Little Falling River at Route 618 at Hat Creek, Va.	02064000	Falling River at Route 643 near Naruna, Va.	1.58	0.77	1.34	1.46	0.050
02065000	Falling River below Hat Creek near Brookneal, Va.	02039500	Appomattox River at Route 45 at Farmville, Va.	20.4	0.71	1.07	1.18	0.050
02073500	Leatherwood Creek at Route 650 near Martinsville (Old Liberty), Va.	02074500	Sandy River above Route 863 near Danville, Va.	9.56	0.86	1.44	1.52	0.050
03163000	New River above Kings Branch near Baywood, Va.	03171500	New River at Route 730 at Eggleston, Va.	66.6	0.66	0.692	0.850	0.050
03166000	Cripple Creek at Route 94 near Ivanhoe, Va.	03167000	Reed Creek at Route 619 at Grahams Forge, Va.	4.48	0.84	1.06	1.14	0.050
03169500	Little River at Route 787 near Copper Valley, Va.	03167500	Big Reed Island Creek below Route 693 near Allisonia, Va.	8.05	0.78	1.07	1.15	0.050
03172500	Walker Creek at Route 660 at Staffordsville, Va.	03175500	Wolf Creek at Route 724 near Narrows, Va.	5.45	0.91	1.08	1.13	0.050
03175100	Cox Branch above Tazewell Reservoir, near Gratton, Va.	03175500	Wolf Creek at Route 724 near Narrows, Va.	41.0	0.90	1.07	1.13	0.050
03175140	West Fork Cove Creek below Oneida Branch near Bluefield, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	42.1	0.84	1.15	1.25	0.050
03208032	Grissom Creek near Fletcher Ridge near Council, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	9.00	0.91	1.48	1.63	0.050
03208033	Grissom Creek tributary near Council, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	9.00	0.92	1.59	1.75	0.050
03208034	Grissom Creek at Route 626 near Council, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	9.98	0.90	1.73	1.88	0.050
03208036	Barton Fork above mouth near Council, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	10.0	0.91	1.17	1.26	0.050
03208040	Russell Fork at Route 80 at Council, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	9.38	0.92	1.29	1.38	0.050
03208100	Russell Fork at Route 80 near Birchleaf, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	2.27	0.97	1.21	1.26	0.050
03213577	Kershaw Branch near Hurley, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	7.31	0.73	1.04	1.21	0.050
03213590	Knox Creek at Route 697 at Kelsa, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	6.04	0.88	1.30	1.44	0.050

Table 5. Low-flow MOVE.1 equations for selected short-term, continuous-record streamgaging stations. – Continued

[discharge, measured streamflow in cubic feet per second; LOC, Line of Organic Correlation; mi, miles]

Short-term continuous-record streamgaging station		Index-record streamgaging station		Distance between sites (mi)	Pearson correlation coefficient	LOC slope lower confidence limit	LOC slope upper confidence limit	LOC confidence limit alpha
Station number	Station description	Station number	Station description					
03487800	Lick Creek above Route 42 near Chatham Hill, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	9.43	0.90	1.59	1.70	0.050
03488100	North Fork Holston River at Route 611 near Plasterco, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	3.44	0.99	0.987	1.01	0.050
03488445	Brumley Creek near Hansonville, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	32.2	0.76	1.90	2.15	0.050
03488450	Brumley Creek at Route 611 at Brumley Gap, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	7.73	0.75	1.65	1.89	0.050
03488500	North Fork Holston River at Route 19 at Holston, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	33.6	0.96	0.977	1.00	0.050
03489850	Cove Creek at Route 803 near Hilton, Va.	03526000	Copper Creek at Route 619 near Gate City, Va.	6.75	0.87	1.51	1.64	0.050
03489870	Big Moccasin Creek at Route 612 at Collinwood, near Hansonville, Va.	03526000	Copper Creek at Route 619 near Gate City, Va.	8.41	0.91	1.25	1.34	0.050
03489900	Big Moccasin Creek at Route 71 near Gate City, Va.	03526000	Copper Creek at Route 619 near Gate City, Va.	1.26	0.94	1.17	1.21	0.050
03520967	Indian Creek along railroad near Cedar Bluff, Va.	03207800	Levisa Fork below Route 645 at Big Rock, Va.	38.6	0.90	1.28	1.39	0.050
03521000	Clinch River at Route 631 at Cedar Bluff, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	48.6	0.89	1.04	1.14	0.050
03522000	Little River at Route 19 at Wardell, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	46.5	0.93	0.843	0.892	0.050
03523000	Big Cedar (Cedar) Creek above Route 19 near Lebanon, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	4.14	0.91	1.02	1.07	0.050
03523500	Thompson Creek at Route 646 near Coulwood, Va.	03524000	Clinch River above Route 661 at Cleveland, Va.	3.73	0.85	1.11	1.17	0.050
03524550	Guest River near Miller Yard, Va.	03208950	Cranes Nest River below railroad bridge near Clintwood, Va.	37.9	0.92	1.20	1.29	0.050
03524900	Stony Creek at Route 619 at Ka, Va.	03208500	Russell Fork below Route 63 at Haysi, Va.	45.3	0.82	1.11	1.26	0.050
03525000	Stony Creek above Route 66 at Fort Blackmore, Va.	03529500	Powell River at Route 23 at Big Stone Gap, Va.	7.68	0.93	1.47	1.55	0.050
03525500	Clinch River at Clinchport, Va.	03488000	North Fork Holston River along Route 91 near Saltville, Va.	56.3	0.82	1.01	1.19	0.050
03527500	North Fork Clinch River at Route 58 at Duffield, Va.	03531500	Powell River at Route 70 near Jonesville, Va.	32.3	0.93	1.09	1.13	0.050