

**Table 1.** Study sites and their identifying information.[DD, decimal degrees; mi<sup>2</sup>, square miles; --, not determined]

Station number	Station description	Latitude (DD)	Longitude (DD)	Drainage area
<b>Long-term continuous record stations</b>				
01484800	Guy Creek at Route 606 near Nassawadox, Va.	37.503745	-75.872432	1.9
01613900	Hogue Creek at Route 614 near Hayfield, Va.	39.214548	-78.288059	15.9
01614830	Opequon Creek at Route 11 near Stephens City, Va.	39.108995	-78.205001	15.2
01615000	Opequon Creek above Route 7 near Berryville, Va.	39.174722	-78.078333	58.2
01615500	Abrams Creek at railroad bridge at Winchester, Va.	39.163993	-78.170556	5.89
01616000	Abrams Creek above Route 659 near Winchester, Va.	39.177882	-78.085833	17
01616100	Dry Marsh Run at Route 645 near Berryville, Va.	39.192592	-78.068631	11
01620500	North River above Forest Road near Stokesville, Va.	38.335000	-79.239167	17.3
01621050	Muddy Creek at Route 726 at Mount Clinton, Va.	38.486790	-78.960307	14.3
01622000	North River along Route 693 near Burkettown, Va.	38.340405	-78.913639	376
01624000	Bell Creek at Route 732 at Franks Mill near Staunton, Va.	38.219574	-79.109476	9.81
01624300	Middle River at Route 742 near Verona, Va.	38.243463	-79.035307	179
01624800	Christians Creek at Route 794 near Fishersville, Va.	38.128467	-78.994471	73
01625000	Middle River at Route 769 near Grottoes, Va.	38.261796	-78.861970	373
01625900	Back Creek at Route 624 at Lyndhurst, Va.	38.029026	-78.932524	40.8
01626000	South River at Route 664 near Waynesboro, Va.	38.057636	-78.908079	127
01626500	South River (at Basic City) at Lyndhurst Road at Waynesboro, Va.	38.061247	-78.896968	133
01626850	South River at Hopeman Parkway near Dooms, Va.	38.088746	-78.876968	148
01627500	South River at Route 778 at Harriston, Va.	38.218742	-78.836692	212
01628060	White Oak Run 0.15 miles above mouth near Grottoes, Va.	38.250408	-78.748912	1.95
01628500	South Fork Shenandoah River below Lower Lewis Run near Lynnwood, Va.	38.322628	-78.754746	1079
01629500	South Fork Shenandoah River at Route 211 near Luray, Va.	38.646231	-78.534733	1372
01630700	Gooney Run at Route 622 near Glen Echo, Va.	38.835115	-78.231945	20.5
01631000	South Fork Shenandoah River below Route 619 at Front Royal, Va.	38.914001	-78.210834	1634
01632000	North Fork Shenandoah River above Route 259 at Cootes Store, Va.	38.637063	-78.852803	210
01632082	Linville Creek below Route 786 at Broadway, Va.	38.606786	-78.803357	45.7
01632900	Smith Creek at Route 616 near New Market, Va.	38.693450	-78.642794	93.6
01633000	North Fork Shenandoah River at Route 698 at Mt. Jackson, Va.	38.745670	-78.638904	508
01633500	Stony Creek along Route 675 at Columbia Furnace, Va.	38.865390	-78.628903	77.5
01634000	North Fork Shenandoah River at Route 55 near Strasburg, Va.	38.976776	-78.336115	770
01634500	Cedar Creek above Route 628 near Winchester, Va.	39.081218	-78.329449	102
01635090	Cedar Creek above Route 11 near Middletown, Va.	39.006775	-78.316392	154
01635500	Passage Creek above Route 55 near Buckton, Va.	38.958166	-78.266669	86.5
01636210	Happy Creek at Kerfoot Avenue at Front Royal, Va.	38.905667	-78.185833	14
01636266	Manassas Run at Route 79 near Linden, Va.	38.913611	-78.099444	5.54
01638350	South Fork Catoctin Creek at Route 698 near Waterford, Va.	39.191111	-77.615444	31.6
01638420	North Fork Catoctin Creek at Route 681 bridge near Waterford, Va.	39.205000	-77.623889	23.1
01638480	Catoctin Creek at Route 663 at Taylorstown, Va.	39.255102	-77.576378	89.5
01643590	Limestone Branch at Route 15 near Leesburg, Va.	39.167611	-77.535917	7.88
01643700	Goose Creek at Route 611 near Middleburg, Va.	38.986498	-77.796661	122
01643805	North Fork Goose Creek at Route 729 near Lincoln, Va.	39.072306	-77.683944	38.1
01643880	Beaverdam Creek at Route 734 near Mountville, Va.	39.037722	-77.722250	47.2
01644000	Goose Creek above Route 621 near Leesburg, Va.	39.019553	-77.577492	332
01644280	Broad Run at Route 7 near Leesburg, Va.	39.046417	-77.432389	76.1
01644295	Smilax Branch at Dulles Airport Road at Reston, Va.	38.952888	-77.367486	0.33
01645784	Snakeden Branch at Soapstone Drive at Reston, Va.	38.930111	-77.344985	0.79
01646000	Difficult Run below Route 193 near Great Falls, Va.	38.975943	-77.245814	57.8
01652500	Fourmile Run at Shirlington Road at Alexandria, Va.	38.843333	-77.085861	12.6

**Table 1.** Study sites and their identifying information.—Continued

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Station number	Station description	Latitude (DD)	Longitude (DD)	Drainage area
<b>Long-term continuous record stations</b>				
01653000	Cameron Run below railroad bridge at Alexandria, Va.	38.806502	-77.109701	33.9
01654000	Accotink Creek above Route 620 near Annandale, Va.	38.812891	-77.228316	23.9
01654500	Long Branch (Little Run) at Route 620 near Annandale, Va.	38.810946	-77.234983	3.72
01655000	Accotink Creek at Army Engineer Road near Accotink Station, Va.	38.754281	-77.202204	37.1
01655500	Cedar Run at Route 672 near Warrenton, Va.	38.740395	-77.787493	13.1
01656000	Cedar Run at Route 806 near Catlett, Va.	38.636787	-77.624990	93.4
01656100	Cedar Run at Route 611 near Aden, Va.	38.616232	-77.554155	155
01656120	Cedar Run at Route 646 near Aden, Va.	38.641508	-77.512487	175
01656500	Broad Run at Route 29 at Buckland, Va.	38.780671	-77.672492	50.2
01656650	Broad Run at Route 619 near Bristow, Va.	38.749005	-77.563601	89.6
01656700	Occoquan River (Creek) below Route 234 near Manassas, Va.	38.705395	-77.445821	343
01656725	Bull Run at Route 705 near Catharpin, Va.	38.889279	-77.570269	25.7
01656960	Cub Run at Route 658 near Bull Run, Va.	38.821225	-77.465544	49.7
01657000	Bull Run at Route 616 near Manassas, Va.	38.797892	-77.457489	146
01657020	Bull Run at Route 28 near Manassas Park, Va.	38.803447	-77.449433	147
01657415	Bull Run above Yates Ford near Clifton, Va.	38.766504	-77.414154	185
01657500	Occoquan River (Creek) near Occoquan (site now in Occoquan Reservoir), Va.	38.705671	-77.326096	570
01657655	Hooes Run above Route 641 near Occoquan, Va.	38.680116	-77.289984	3.92
01658500	South Fork Quantico Creek at Route 619 near Independent Hill, Va.	38.587343	-77.428596	7.62
01658698	Little Creek at Mocking Bird Road at Triangle, Va.	38.533177	-77.321649	2.06
01658705	Little Creek at Geiger Road at Quantico, Va.	38.528177	-77.295815	3.28
01659000	North Branch Chopawamsic Creek above Marine Road 1 near Independent Hill	38.565121	-77.425818	5.69
01660000	South Branch Chopawamsic Creek below Marine Road 1 near Garrisonville, Va.	38.539566	-77.424706	2.46
01660100	Chopawamsic Creek at Russell Road near Joplin, Va.	38.523178	-77.373594	22.1
01660400	Aquia Creek at Route 641 near Garrisonville, Va.	38.490401	-77.433594	35
01660500	Beaverdam Run at Marine Road 2 near Garrisonville, Va.	38.506944	-77.427222	13.2
01661800	Bush Mill Stream at Route 601 near Heathsville, Va.	37.876801	-76.494675	6.77
01661900	Carter Run off Route 691 near Marshall, Va.	38.799560	-77.868884	20.4
01662000	Rappahannock River at Route 211 near Warrenton, Va.	38.684841	-77.903884	195
01662500	Rush River at old Route 522 at Washington, Va.	38.714007	-78.151111	14.6
01662800	Battle Run at Route 729 near Laurel Mills, Va.	38.655676	-78.073887	25.8
01663000	Thornton River at Route 729 near Laurel Mills, Va.	38.628176	-78.062776	139
01663500	Hazel River at Route 229 at Rixeyville, Va.	38.591789	-77.964996	285
01664000	Rappahannock River at Route 29 (Alternate) at Remington, Va.	38.530680	-77.813605	619
01664500	Rappahannock River at Route 620 at Kellys Ford near Remington, Va.	38.477348	-77.781104	641
01665000	Mountain Run at Route 641 near Culpeper, Va.	38.478181	-78.048609	16.1
01665500	Rapidan River below Route 29 near Ruckersville, Va.	38.280686	-78.340007	115
01666500	Robinson (Robertson) River at Route 614 near Locust Dale, Va.	38.325130	-78.095556	179
01667000	Rapidan River below Route 615 at Rapidan, Va.	38.313187	-78.063611	445
01667500	Rapidan River above Route 522 near Culpeper, Va.	38.350408	-77.974997	468
01667870	Mountain Run at Route 611 near Burr Hill, Va.	38.353741	-77.893606	28.8
01668000	Rappahannock River below Motts Run near Fredericksburg, Va.	38.308462	-77.529153	1595
01668500	Cat Point Creek below Route 637 near Montross, Va.	38.039855	-76.826907	45.6
01668800	Hoskins Creek at Route 717 near Tappahannock, Va.	37.927359	-76.954135	15.4
01669000	Piscataway Creek at Route 691 near Tappahannock, Va.	37.877082	-76.900521	27.9
01669500	Dragon Swamp at Route 602 near Church View, Va.	37.684864	-76.726626	86
01669520	Dragon Swamp at Route 603 at Mascot, Va.	37.633753	-76.696347	109
01670000	Beaverdam Swamp above Route 606 near Ark, Va.	37.470696	-76.563008	7.15
01670180	Pamunkey Creek at Route 669 at Lahore, Va.	38.192635	-77.968886	41.9

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Station number	Station description	Latitude (DD)	Longitude (DD)	Drainage area
<b>Long-term continuous record stations</b>				
01670300	Contrary Creek below Route 522 near Mineral, Va.	38.064860	-77.878884	5.58
01670400	North Anna River at Route 601 near Partlow, Va.	38.012916	-77.701101	342
01671000	North Anna River near Doswell, Va.	37.887640	-77.487205	440
01671020	North Anna River at Route 30 at Hart Corner, near Doswell, Va.	37.850140	-77.427759	462
01671100	Little River at Route 685 near Doswell, Va.	37.872640	-77.513039	107
01671500	Bunch (Hudson) Creek at Route 15 near Boswells Tavern, Va.	38.031806	-78.191392	4.34
01672000	South Anna River at Route 617 at Vontay, Va.	37.772222	-77.749444	297
01672500	South Anna River at Route 54 near Ashland, Va.	37.796809	-77.548874	395
01673000	Pamunkey River at Route 614 near Hanover, Va.	37.767642	-77.332202	1078
01673500	Totopotomoy Creek at Route 301 near Atlee, Va.	37.669311	-77.382481	5.77
01673550	Totopotomoy Creek at Route 606 near Studley, Va.	37.662643	-77.257755	25.5
01673638	Cohoke Mill Creek near Lester Manor, Va.	37.626810	-76.962467	8.81
01673800	Po River at Route 208 near Spotsylvania, Va.	38.171522	-77.594710	77.6
01674000	Mattaponi River above Route 605 near Bowling Green, Va.	38.061801	-77.385814	256
01674500	Mattaponi River near Beulahville, Va.	37.883889	-77.165278	602
01677000	Ware Creek at Route 600 near Toano, Va.	37.438201	-76.786350	6.29
02011400	Jackson River along Route 603 near Bacova, Va.	38.042347	-79.881444	157
02011460	Back Creek above Route 600 near Sunrise, Va.	38.245401	-79.768663	60.9
02011470	Back Creek at Route 600 at Sunrise, Va.	38.190402	-79.811720	75.6
02011480	Back Creek on Route 600, near Mountain Grove, Va.	38.134846	-79.865611	88.6
02011490	Little Back Creek near Sunrise, Va.	38.214568	-79.837555	4.9
02011500	Back Creek along Route 39 near Mountain Grove, Va.	38.069569	-79.897000	134
02011800	Jackson River below Gathright Dam, near Hot Springs, Va.	37.948458	-79.949224	345
02011950	Johnson Spring near Hot Springs, Va.	37.915556	-79.972778	--
02012000	Falling Spring Creek at Route 220 near Falling Spring, Va.	37.868181	-79.945612	11.2
02012500	Jackson River at Route 687 at Falling Spring, Va.	37.876792	-79.977280	410
02013000	Dunlap Creek at Route 60 near Covington, Va.	37.802902	-80.047004	162
02013100	Jackson River below Dunlap Creek, at Covington, Va.	37.788736	-80.000613	612
02014000	Potts Creek at Route 18 near Covington, Va.	37.729014	-80.042280	153
02014500	Smith Creek above old dam, near Clifton Forge, Va.	37.851516	-79.846441	12.3
02015700	Bullpasture River at Route 614 at Williamsville, Va.	38.195403	-79.570323	110
02016000	Cowpasture River below Route 633 near Clifton Forge, Va.	37.791796	-79.759492	461
02016500	James River below Route 220 at Lick Run, Va.	37.773740	-79.784493	1371
02017000	Meadow Creek above Route 311 at New Castle, Va.	37.493184	-80.109492	13.3
02017500	Johns Creek at Route 615 at New Castle, Va.	37.506240	-80.106715	105
02018000	Craig Creek at abandoned railroad bridge at Parr, Va.	37.665962	-79.911439	329
02018500	Catawba Creek at Route 600 near Catawba, Va.	37.468186	-80.005322	34.3
02019000	Catawba Creek near Fincastle, Va.	37.550132	-79.834488	104
02019500	James River at Route 11 at Buchanan, Va.	37.530690	-79.678928	2073
02020500	Calfpasture River at Route 42 above Mill Creek, at Goshen, Va.	37.987906	-79.493653	141
02021000	Calfpasture River below Mill Creek at Goshen, Va.	37.986240	-79.493653	186
02021500	Maury River above Route 39 at Rockbridge Baths, Va.	37.907353	-79.421983	329
02022500	Kerrs Creek at Interstate 64 near Lexington, Va.	37.825687	-79.443094	35.1
02023000	Maury (North) River above Route 631 near Lexington, Va.	37.813743	-79.444760	481
02023500	South River at Route 631 near Riverside, Va.	37.783466	-79.359480	112
02024000	Maury River near Buena Vista, Va.	37.762633	-79.391425	647
02024500	Maury (North) River at Route 130 near Glasgow, Va.	37.631246	-79.443647	837
02024915	Pedlar River at Forest Road 39 near Buena Vista, Va.	37.697500	-79.278333	27.1
02025000	Pedlar River at Route 635 near Pedlar Mills, Va.	37.543194	-79.252529	94.6

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Station number	Station description	Latitude (DD)	Longitude (DD)	Drainage area
<b>Long-term continuous record stations</b>				
02025500	James River at Holcomb(s) Rock, Va.	37.501251	-79.262529	3256
02026000	James River above Route 60 at Bent Creek, Va.	37.536254	-78.829461	3649
02026500	Tye River at Roseland, Va.	37.753752	-78.986414	69
02027000	Tye River at Route 158 near Lovingson, Va.	37.715419	-78.981691	93
02027500	Piney River at Route 151 at Piney River, Va.	37.702363	-79.027525	47.7
02027800	Buffalo River at Route 657 near Tye River, Va.	37.605698	-78.923354	148
02028000	Tye (Buffalo) River near Norwood, Va.	37.627920	-78.880298	355
02028500	Rockfish River at Route 634 near Greenfield, Va.	37.869585	-78.823354	94.8
02029000	James River below Route 20 at Scottsville, Va.	37.797365	-78.491398	4581
02029500	Hardware River at Route 618 near Scottsville, Va.	37.840142	-78.474176	104
02030000	Hardware River at Route 637 below Briery Creek (Run), near Scottsville, Va.	37.812643	-78.455286	116
02030500	Slate River above Route 676 near Arvonias, Va.	37.702922	-78.377504	226
02031000	Mechums River at Route 614 near White Hall (Ivy), Va.	38.102636	-78.592794	95.3
02031500	North Fork Moormans River above Charlottesville Reservoir near White Hall, V	38.140412	-78.751133	11.2
02032250	Moormans River at Route 601 near Free Union, Va.	38.140690	-78.555848	77
02032400	Buck Mountain Creek at Route 665 near Free Union, Va.	38.154579	-78.539181	34.5
02032500	South Fork Rivanna River at Route 660 near Earlysville, Va.	38.124302	-78.517235	215
02032515	South Fork Rivanna River at Route 29 near Charlottesville, Va.	38.101803	-78.460567	259
02032640	North Fork Rivanna River at Route 606 near Earlysville, Va.	38.163467	-78.424732	108
02032680	North Fork Rivanna River at Route 649 near Proffit, Va.	38.087915	-78.411954	174
02033500	Rivanna River below Moores Creek near Charlottesville, Va.	38.019306	-78.453344	503
02034000	Rivanna River at Route 15 at Palmyra, Va.	37.857919	-78.265837	663
02034500	Willis River at Route 690 at Lakeside Village (Flanagan Mills), Va.	37.666813	-78.166389	262
02035000	James River at Route 45 at Cartersville, Va.	37.670980	-78.085833	6252
02036500	Fine Creek at Route 711 at Fine Creek Mills, Va.	37.597925	-77.819718	22.4
02037000	James River and Kanawha Canal below headgates near Richmond, Va.	37.564591	-77.574155	--
02037500	James River above Route 147 near Richmond, Va.	37.563202	-77.546931	6753
02038000	Falling Creek at Route 651 near Chesterfield, Va.	37.443759	-77.522209	33.1
02038500	Falling Creek at Hopkins Road near Drewrys Bluff, Va.	37.461259	-77.466373	53.3
02038850	Holiday Creek above Route 614 near Andersonville, Va.	37.415424	-78.635839	8.54
02039000	Buffalo Creek at Route 658 near Hampden Sydney, Va.	37.257097	-78.486384	69.6
02039500	Appomattox River at Route 45 at Farmville, Va.	37.307097	-78.388607	302
02040000	Appomattox River at railroad bridge at Mattoax, Va.	37.421538	-77.858888	725
02041000	Deep Creek above Route 153 near Mannboro, Va.	37.283206	-77.869722	158
02041500	Appomattox River near Petersburg, Va.	37.225984	-77.538599	1333
02041650	Appomattox River at Route 600 at Matoaca, Va.	37.225151	-77.475263	1342
02042500	Chickahominy River at Route 618 near Providence Forge, Va.	37.436258	-77.060803	251
02044000	Nottoway River at Route 723 near Burkeville, Va.	37.077930	-78.196942	38.7
02044500	Nottoway River at Route 612 near Rawlings, Va.	36.983482	-77.799719	317
02045500	Nottoway River at Route 301 near Stony Creek, Va.	36.900150	-77.399700	577
02046000	Stony Creek at Route 1 near (at) Dinwiddie, Va.	37.067094	-77.602489	113
02047000	Nottoway River above Route 653 near Sebrell, Va.	36.770428	-77.166078	1441
02047500	Blackwater River at Route 617 near Dendron, Va.	37.025150	-76.874682	290
02048000	Blackwater River at Route 460 at Zuni, Va.	36.868205	-76.834959	451
02049500	Blackwater River near Franklin, Va.	36.762650	-76.898294	613
02050500	North Meherrin River at Route 687 near Keysville, Va.	37.051540	-78.421940	9.06
02051000	North Meherrin River at Route 40 near Lunenburg, Va.	36.997374	-78.349718	56
02051500	Meherrin River at Route 715 near Lawrenceville, Va.	36.716814	-77.831658	552
02051600	Great Creek at Route 763 (old Route 618) near Cochran, Va.	36.812925	-77.921663	30.8

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<b>Long-term continuous record stations</b>				
02052000	Meherrin River at Route 301 at Emporia, Va.	36.690150	-77.540536	744
02052500	Fountains (Fontaine) Creek at Route 603 near Brink, Va.	36.615427	-77.699707	68.7
02053000	Fountains (Fontaine) Creek at Route 639 near Emporia, Va.	36.636261	-77.585815	95.9
02053800	South Fork Roanoke River at Route 637 near Shawsville, Va.	37.140132	-80.266433	109
02054500	Roanoke River at Route 603 at Lafayette, Va.	37.236522	-80.209209	254
02054530	Roanoke River at Route 1154 at Glenvar, Va.	37.267912	-80.139486	281
02055000	Roanoke River at Walnut Street at Roanoke, Va.	37.258471	-79.938649	384
02055100	Tinker Creek below railroad bridge near Daleville, Va.	37.417633	-79.935319	11.7
02056000	Roanoke River below powerplant at Niagara, Va.	37.255138	-79.871425	509
02056650	Back Creek at Route 660 near Dundee, Va.	37.227639	-79.868092	55.8
02056900	Blackwater River at Route 122 near Rocky Mount, Va.	37.045141	-79.844199	115
02057000	Blackwater River near Union Hall, Va.	37.043198	-79.685030	208
02057500	Roanoke River near Toshes, Va.	37.034312	-79.521418	1017
02058000	Snow Creek at Route 969 at Sago, Va.	36.897363	-79.651141	59.6
02058400	Pigg River above Route 40 near Sandy Level, Va.	36.945977	-79.524751	351
02058500	Pigg River along Route 605 near Toshes, Va.	36.983756	-79.514195	382
02059500	Goose Creek above Route 732 near Huddleston, Va.	37.173200	-79.520308	188
02060500	Roanoke (Staunton) River at Route 29 (Alternate) at Altavista, Va.	37.104587	-79.295302	1782
02061000	Big Otter River (Otter River) at Route 221 near Bedford, Va.	37.364030	-79.419197	114
02061500	Big Otter River (Otter River) at Route 682 near Evington, Va.	37.208477	-79.303636	315
02062500	Roanoke (Staunton) River above Route 501 at Brookneal, Va.	37.041252	-78.950291	2404
02064000	Falling River at Route 643 near Naruna, Va.	37.126810	-78.959737	165
02065200	Roanoke (Staunton) River at Route 620 at Clarkton, Va.	36.977363	-78.896955	2682
02065500	Cub Creek at Route 40 at Phenix, Va.	37.079311	-78.763618	97.6
02066000	Roanoke (Staunton) River at Route 746 at Randolph, Va.	36.915142	-78.740838	2966
02066500	Roanoke Creek at Route 612 at Saxe, Va.	36.930422	-78.665280	135
02067000	Roanoke (Staunton) River at Route 360 near Clover, Va.	36.838197	-78.666947	3227
02069700	South Mayo River at Route 700 near Nettleridge, Va.	36.570971	-80.129493	85.5
02070000	North Mayo River below Route 629 near Spencer, Va.	36.568194	-79.987265	108
02071530	Smith River at Smith River Church (Route 798) near Woolwine, Va.	36.778468	-80.249218	26.3
02072000	Smith River below Philpott Dam near Philpott, Va.	36.780693	-80.024765	215
02072500	Smith River at Route 666 (north) at Bassett, Va.	36.770137	-80.000875	259
02073000	Smith River below Route 58 at Martinsville, Va.	36.661249	-79.880595	379
02073500	Leatherwood Creek at Route 650 near Martinsville (Old Liberty), Va.	36.636249	-79.791425	68.4
02074500	Sandy River above Route 863 near Danville, Va.	36.619583	-79.504193	111
02075000	Dan River at railroad bridge at Danville, Va.	36.587639	-79.381689	2060
02075045	Dan River at wastewater outfall near Danville, Va.	36.562639	-79.369744	2116
02075500	Dan River at Route 658 at Paces, Va.	36.642361	-79.089459	2587
02076500	Georges Creek at Route 40 near Gretna, Va.	36.936529	-79.311412	9.18
02077000	Banister River at Route 360 (Business) at Halifax, Va.	36.776527	-78.915844	547
02077500	Hyco River at Route 501 near Denniston, Va.	36.587917	-78.898620	288
02078000	Hyco River at Route 738 near Omega, Va.	36.635973	-78.805285	412
02079000	Roanoke River at Route 58 at Clarksville, Va.	36.627919	-78.550834	7393
02079640	Allen Creek at Route 58 near Boydton, Va.	36.679586	-78.326664	53.5
03164000	New River at Route 94 near Galax, Va.	36.647350	-80.978969	1141
03164500	New River at railroad bridge near Grayson, Va.	36.759722	-80.956389	1174
03165000	Chestnut Creek above Route 89 at Galax, Va.	36.645961	-80.919244	39.4
03165500	New River at Ivanhoe, Va.	36.834845	-80.952581	1350
03166800	Glade Creek at Route 629 at Grahams Forge, Va.	36.930955	-80.900356	7.15

**Table 1.** Study sites and their identifying information.—Continued

[DD, decimal degrees; mi<sup>2</sup>, square miles; --, not determined]

Station number	Station description	Latitude (DD)	Longitude (DD)	Drainage area
<b>Long-term continuous record stations</b>				
03166900	Boiling Spring at Grahams Forge, Va.	36.930556	-80.896389	--
03167000	Reed Creek at Route 619 at Grahams Forge, Va.	36.939010	-80.887300	258
03167500	Big Reed Island Creek below Route 693 near Allisonia, Va.	36.889013	-80.727570	267
03168000	New River along Route 653 at Allisonia, Va.	36.937622	-80.745626	2212
03168500	Peak Creek below Route 11 at Pulaski, Va.	37.047343	-80.776182	60.8
03170000	Little River at Route 693 at Graysontown (Graysonton), Va.	37.037626	-80.556724	309
03171000	New River below Route 11 at Radford, Va.	37.141793	-80.569225	2767
03171500	New River at Route 730 at Eggleston, Va.	37.289569	-80.616730	2961
03173000	Walker Creek below Route 100 at Bane, Va.	37.268178	-80.709513	299
03175500	Wolf Creek at Route 724 near Narrows, Va.	37.305677	-80.849799	223
03176500	New River at Route 460 at Glen Lyn, Va.	37.372899	-80.860635	3783
03177700	Bluestone River above wastewater outfall at Bluefield, Va.	37.255950	-81.281766	39.7
03177710	Bluestone River at Route 717 at Falls Mills, Va.	37.271506	-81.304823	44.3
03207500	Levisa Fork along Route 460 near Grundy, Va.	37.297888	-82.125968	239
03207800	Levisa Fork below Route 645 at Big Rock, Va.	37.353720	-82.195694	297
03208500	Russell Fork below Route 63 at Haysi, Va.	37.207054	-82.295699	286
03208700	North Fork Pound River below dam at Pound, Va.	37.125659	-82.626545	18.5
03208800	Pound River above Indian Creek, at Pound, Va.	37.123992	-82.607933	36.7
03208850	Pound River below Bold Camp Creek, at Pound, Va.	37.122048	-82.598489	61.2
03208900	Pound River at Route 624 near Georges Fork, Va.	37.164273	-82.524876	80.4
03208950	Cranes Nest River below railroad bridge near Clintwood, Va.	37.123995	-82.438761	66.5
03209000	Pound River near Haysi, Va.	37.237054	-82.343202	221
03209200	Russell Fork at Route 611 at Bartlick, Va.	37.245943	-82.323479	526
03471500	South Fork Holston River above Route 645 at Riverside, near Chilhowie, Va.	36.760393	-81.631229	76.6
03472500	Beaverdam Creek above railroad bridge at Damascus, Va.	36.627894	-81.790953	55.6
03473000	South Fork Holston River above Route 58 near Damascus, Va.	36.651781	-81.844010	303
03473500	Middle Fork Holston River at Route 679 at Groseclose, Va.	36.888729	-81.347327	7.4
03474000	Middle Fork Holston River at Route 11 at Seven Mile Ford, Va.	36.807338	-81.622062	132
03474500	Middle Fork Holston River at Route 762 at Chilhowie, Va.	36.795948	-81.680397	153
03475000	Middle Fork Holston River at Route 803 near Meadowview, Va.	36.713169	-81.818733	206
03477500	Beaver Creek below Beaver Creek Lake near Wallace, Va.	36.640386	-82.111519	13.7
03478400	Beaver Creek at Route 1405 at (near) Bristol, Va.	36.631774	-82.133743	26.9
03488000	North Fork Holston River along Route 91 near Saltville, Va.	36.896781	-81.746229	221
03489500	North Fork Holston River at Route 615 at Mendota, Va.	36.701492	-82.307086	493
03489900	Big Moccasin Creek at Route 71 near Gate City, Va.	36.646489	-82.553209	79.6
03490000	North Fork Holston River at Route 23 near Gate City, Va.	36.608711	-82.567931	671
03521500	Clinch River along Route 707 at Richlands, Va.	37.086225	-81.780949	137
03524000	Clinch River above Route 661 at Cleveland, Va.	36.944830	-82.154857	533
03524500	Guest River at Route 72 at Coeburn, Va.	36.929269	-82.456262	87.2
03526000	Copper Creek at Route 619 near Gate City, Va.	36.673988	-82.565710	106
03527000	Clinch River below Route 58 at Speers Ferry, Va.	36.648708	-82.750438	1123
03529500	Powell River at Route 23 at Big Stone Gap, Va.	36.868985	-82.775439	112
03530500	North Fork Powell River at Route 621 at Pennington Gap, Va.	36.773978	-83.032945	71.2
03531000	Powell River at Route 421 near Pennington Gap, Va.	36.734533	-82.998777	290
03531500	Powell River at Route 70 near Jonesville, Va.	36.662034	-83.094893	319

**Table 1.** Study sites and their identifying information.—Continued

[DD, decimal degrees; mi<sup>2</sup>, square miles; --, not determined]

Station number	Station description	Latitude (DD)	Longitude (DD)	Drainage area (mi <sup>2</sup> )
<b>Short-term continuous record stations</b>				
01614830	Opequon Creek at Route 11 near Stephens City, Va.	39.108995	-78.205001	15.2
01615500	Abrams Creek at railroad bridge at Winchester, Va.	39.163993	-78.170556	5.89
01616075	Fay Spring near Winchester, Va.	39.205000	-78.130556	--
01616100	Dry Marsh Run at Route 645 near Berryville, Va.	39.192592	-78.068631	11
01621000	Dry River at Route 847 at Rawley Springs, Va.	38.502901	-79.053644	73
01621410	Blacks Run at Route 726 at Harrisonburg, Va.	38.422070	-78.887249	10.9
01621470	Blacks Run at Route 704 near Mt. Crawford, Va.	38.378737	-78.928084	18.8
01623000	Bell Creek at St. Pauls Chapel, near Staunton, Va.	38.166797	-79.126142	0.67
01623500	Bell Creek along Route 612 near Staunton, Va.	38.183463	-79.117809	3.85
01624000	Bell Creek at Route 732 at Franks Mill near Staunton, Va.	38.219574	-79.109476	9.81
01625900	Back Creek at Route 624 at Lyndhurst, Va.	38.029026	-78.932524	40.8
01628150	Deep Run 0.5 miles above Route 708 near Grottoes, Va.	38.273185	-78.759746	1.18
01629945	Chub Run near Stanley, Va.	38.575400	-78.458619	3
01630700	Gooney Run at Route 622 near Glen Echo, Va.	38.835115	-78.231945	20.5
01632970	Crooked Run at Route 263 near Mt. Jackson, Va.	38.762336	-78.684739	6.61
01633500	Stony Creek along Route 675 at Columbia Furnace, Va.	38.865390	-78.628903	77.5
01635090	Cedar Creek above Route 11 near Middletown, Va.	39.006775	-78.316392	154
01636242	Crooked Run below Route 340 at Riverton, Va.	38.955110	-78.197223	46.9
0163626650	Manassas Run at Route 645 near Front Royal, Va.	38.934167	-78.128056	11.2
01636316	Spout Run at Route 621 near Millwood, Va.	39.067025	-78.003753	21.4
01636330	Horsepen Springs near Briggs, Va.	39.136667	-78.020000	--
01636690	Piney Run at Route 671 near Lovettsville, Va.	39.310833	-77.718500	13.5
01638350	South Fork Catoctin Creek at Route 698 near Waterford, Va.	39.191111	-77.615444	31.6
01638420	North Fork Catoctin Creek at Route 681 bridge near Waterford, Va.	39.205000	-77.623889	23.1
01643590	Limestone Branch at Route 15 near Leesburg, Va.	39.167611	-77.535917	7.88
01643805	North Fork Goose Creek at Route 729 near Lincoln, Va.	39.072306	-77.683944	38.1
01643880	Beaverdam Creek at Route 734 near Mountville, Va.	39.037722	-77.722250	47.2
01644100	South Fork Sycolin Creek at Route 15 near Leesburg, Va.	39.070940	-77.609436	2.06
01644280	Broad Run at Route 7 near Leesburg, Va.	39.046417	-77.432389	76.1
01644290	Stave Run at Parking Lot Road at Reston, Va.	38.949277	-77.371375	0.069
01645704	Difficult Run above Fox Lake near Fairfax, Va.	38.884695	-77.332429	5.49
01645762	South Fork Little Difficult Run above mouth near Vienna, Va.	38.908889	-77.338263	2.71
01645784	Snakeden Branch at Soapstone Drive at Reston, Va.	38.930111	-77.344985	0.79
01646305	Dead Run at Whann Avenue near McLean, Va.	38.959777	-77.175674	2.05
01654500	Long Branch (Little Run) at Route 620 near Annandale, Va.	38.810946	-77.234983	3.72
01655000	Accotink Creek at Army Engineer Road near Accotink Station, Va.	38.754281	-77.202204	37.1
01656102	Goslin Run at Marine Road near Aden, Va.	38.611232	-77.550821	4.82
01656120	Cedar Run at Route 646 near Aden, Va.	38.641508	-77.512487	175
01656903	Flatlick Branch above Frog Branch at Chantilly, Va.	38.882390	-77.431905	4.20
01657020	Bull Run at Route 28 near Manassas Park, Va.	38.803447	-77.449433	147
01657655	Hooes Run above Route 641 near Occoquan, Va.	38.680116	-77.289984	3.92
01657850	Neabsco Creek at Delaney Road (Route 610) at Dale City, Va.	38.645278	-77.347222	6.08
01657885	Neabsco Creek tributary at Telegraph Road near Dale City, Va.	38.644722	-77.287500	0.96
01657895	Powells Creek at Route 643 near Dale City, Va.	38.616667	-77.371944	7.92
01658480	Quantico Creek at pyrite mine road near Dumfries, Va.	38.572898	-77.347205	6.89
01658550	South Fork Quantico Creek at Camp 5 Lake, near Joplin, Va.	38.577343	-77.409706	9.57
01658650	South Fork Quantico Creek above mouth near Dumfries, Va.	38.571787	-77.348872	16.7
01658698	Little Creek at Mocking Bird Road at Triangle, Va.	38.533177	-77.321649	2.06
01658705	Little Creek at Geiger Road at Quantico, Va.	38.528177	-77.295815	3.28
01660100	Chopawamsic Creek at Russell Road near Joplin, Va.	38.523178	-77.373594	22.1
01660380	Cannon Creek above mouth near Garrisonville, Va.	38.489722	-77.486667	10.2
01661900	Carter Run off Route 691 near Marshall, Va.	38.799560	-77.868884	20.4

**Table 1.** Study sites and their identifying information.—Continued[DD, decimal degrees; mi<sup>2</sup>, square miles; --, not determined]

Station number	Station description	Latitude (DD)	Longitude (DD)	Drainage area (mi <sup>2</sup> )
<b>Short-term continuous record stations</b>				
01662156	South Fork Brokenback Run near Nethers, Va.	38.566667	-78.317222	1.03
01667000	Rapidan River below Route 615 at Rapidan, Va.	38.313187	-78.063611	445
01667870	Mountain Run at Route 611 near Burr Hill, Va.	38.353741	-77.893606	28.8
01670180	Pamunkey Creek at Route 669 at Lahore, Va.	38.192635	-77.968886	41.9
01671025	North Anna River above Little River near Doswell, Va.	37.825696	-77.426093	467
01671650	Waldrop (Waldrops) Creek at Route 632 near Louisa, Va.	38.002362	-78.072500	3.03
01672000	South Anna River at Route 617 at Vontay, Va.	37.772222	-77.749444	297
02011950	Johnson Spring near Hot Springs, Va.	37.915556	-79.972778	--
02012000	Falling Spring Creek at Route 220 near Falling Spring, Va.	37.868181	-79.945612	11.2
02014500	Smith Creek above old dam, near Clifton Forge, Va.	37.851516	-79.846441	12.3
02015000	Smith Creek near Clifton Forge, Va.	37.850833	-79.842500	12.4
02015600	Cowpasture River at Route 250 near Head Waters, Va.	38.325124	-79.436987	11.2
02019000	Catawba Creek near Fincastle, Va.	37.550132	-79.834488	104
02024300	Buffalo Creek at Route 608 near Glasgow, Va.	37.686245	-79.433925	123
02024500	Maury (North) River at Route 130 near Glasgow, Va.	37.631246	-79.443647	837
02024752	James River at Blue Ridge Parkway near Big Island, Va.	37.555415	-79.367255	3076
02024915	Pedlar River at Forest Road 39 near Buena Vista, Va.	37.697500	-79.278333	27.1
02030800	Stockton Creek at Route 6 near Afton, Va.	38.030138	-78.808077	2.7
02032000	Moormans River below Charlottesville Reservoir near White Hall, Va.	38.134857	-78.735855	17.8
02032700	Schenks Branch above Route 250 at Charlottesville, Va.	38.042361	-78.474734	1.39
02033500	Rivanna River below Moores Creek near Charlottesville, Va.	38.019306	-78.453344	503
02035500	Big Lickinghole Creek at Route 600 near Goochland, Va.	37.692091	-77.955831	68.4
02036000	Beaverdam Creek at Route 6 at State Farm, Va.	37.647369	-77.825829	39.8
02038830	Fishpond Creek at Route 617 near Hixburg, Va.	37.369314	-78.645561	13.9
02038880	Vaughans Creek at Route 626 near Hixburg, Va.	37.352371	-78.598892	23.2
02042000	Swift Creek at Bradley Bridge Road near Chester, Va.	37.315428	-77.494153	140
02042287	Chickahominy River at Route 301 near Atlee, Va.	37.641811	-77.421649	62.2
02042400	Jordans Branch at Route 250 at Richmond, Va.	37.586257	-77.498318	2.47
02042426	Upham Brook at Wilkinson Road near Richmond, Va.	37.613201	-77.424149	37.4
02043550	Washington Ditch along road near Cypress Chapel, Va.	36.639318	-76.526338	41.3
02043750	Cross Canal Ditch below Route 1332 near Holly Grove, N.C.	36.509722	-76.552778	23.4
02045200	Waqua Creek at Route 606 near Alberta, Va.	36.918611	-77.886389	15.2
02046500	Anderson Branch at Route 40 at Sussex, Va.	36.919594	-77.262193	4.99
02047100	Assamoosick Swamp at Route 35 near Sebrell, Va.	36.772928	-77.098854	86
02048500	Seacock Swamp (Creek) at Route 635 near Berlin (at Unity), Va.	36.820983	-76.883016	102
02049000	Blackwater River at Route 603 near Burdette, Va.	36.804317	-76.862182	578
02054510	Roanoke River near Wabun, Va.	37.246800	-80.165041	270
02058000	Snow Creek at Route 969 at Sago, Va.	36.897363	-79.651141	59.6
02059000	Roanoke River at Route 1109 near Gretna, Va.	37.012923	-79.473083	1418
02059485	Goose Creek at Route 747 near Bunker Hill, Va.	37.266389	-79.587778	125
02062000	Big Otter River above Tardy Branch near Altavista, Va.	37.184866	-79.278913	362
02063000	Caldwells Creek (East Fork Falling River) at Route 719 near Appomattox, Va.	37.327923	-78.851958	3.85
02063500	Falling River (East Fork Falling River) above Route 646 at Spring Mills, Va.	37.244590	-78.918348	49.3
02064500	Little Falling River at Route 618 at Hat Creek, Va.	37.130699	-78.913625	39.2
02065000	Falling River below Hat Creek near Brookneal, Va.	37.081809	-78.935014	222
02073500	Leatherwood Creek at Route 650 near Martinsville (Old Liberty), Va.	36.636249	-79.791425	68.4
03163000	New River above Kings Branch near Baywood, Va.	36.608461	-81.044250	1004
03166000	Cripple Creek at Route 94 near Ivanhoe, Va.	36.859844	-80.980360	136
03166880	West Spring at Grahams Forge, Va.	36.934167	-80.903333	--
03166900	Boiling Spring at Grahams Forge, Va.	36.930556	-80.896389	--
03167300	Mira Fork tributary at Route 221 near Dugspur, Va.	36.837909	-80.578677	0.66
03167700	Beaverdam Creek at Route 1009 at Hillsville, Va.	36.768184	-80.725628	4.47
03169500	Little River at Route 787 near Copper Valley, Va.	36.996517	-80.521444	250



**Table 1.** Study sites and their identifying information.—Continued

[DD, decimal degrees; mi<sup>2</sup>, square miles; --, not determined]

Station number	Station description	Latitude (DD)	Longitude (DD)	Drainage area (mi <sup>2</sup> )
<b>Short-term continuous record stations</b>				
03172500	Walker Creek at Route 660 at Staffordsville, Va.	37.241790	-80.710901	275
03175100	Cox Branch above Tazewell Reservoir, near Gratton, Va.	37.153449	-81.413995	1.9
03175140	West Fork Cove Creek below Oneida Branch near Bluefield, Va.	37.184283	-81.329824	4.68
03208032	Grissom Creek near Fletcher Ridge near Council, Va.	37.103889	-82.050833	0.57
03208033	Grissom Creek tributary near Council, Va.	37.105000	-82.050000	0.87
03208034	Grissom Creek at Route 626 near Council, Va.	37.078721	-82.040129	2.82
03208036	Barton Fork above mouth near Council, Va.	37.077055	-82.039018	1.24
03208040	Russell Fork at Route 80 at Council, Va.	37.078165	-82.065408	10.2
03208100	Russell Fork at Route 80 near Birchleaf, Va.	37.163998	-82.255419	87.7
03213577	Kershaw Branch near Hurley, Va.	37.450278	-82.011111	0.6
03213590	Knox Creek at Route 697 at Kelsa, Va.	37.450665	-82.059294	84.5
03487800	Lick Creek above Route 42 near Chatham Hill, Va.	36.962338	-81.472334	25.8
03488100	North Fork Holston River at Route 611 near Plasterco, Va.	36.864444	-81.838056	259
03488445	Brumley Creek near Hansonville, Va.	36.855943	-82.045129	4.14
03488450	Brumley Creek at Route 611 at Brumley Gap, Va.	36.791777	-82.019295	21.4
03488500	North Fork Holston River at Route 19 at Holston, Va.	36.774831	-82.072631	401
03489850	Cove Creek at Route 803 near Hilton, Va.	36.652325	-82.364588	18.1
03489870	Big Moccasin Creek at Route 612 at Collinwood, near Hansonville, Va.	36.737881	-82.323476	42.1
03489900	Big Moccasin Creek at Route 71 near Gate City, Va.	36.646489	-82.553209	79.6
03520680	Indian Creek along route 628 near Harman, Va.	37.173056	-81.710833	10.1
03520967	Indian Creek along railroad near Cedar Bluff, Va.	37.096389	-81.740833	32
03521000	Clinch River at Route 631 at Cedar Bluff, Va.	37.089003	-81.766504	124
03522000	Little River at Route 19 at Wardell, Va.	37.037891	-81.797617	102
03523000	Big Cedar (Cedar) Creek above Route 19 near Lebanon, Va.	36.908165	-82.038740	51.6
03523500	Thompson Creek at Route 646 near Coulwood, Va.	36.989276	-82.062074	14.1
03524550	Guest River near Miller Yard, Va.	36.878714	-82.405981	100
03524900	Stony Creek at Route 619 at Ka, Va.	36.815932	-82.617101	30.8
03525000	Stony Creek above Route 66 at Fort Blackmore, Va.	36.775099	-82.580434	41.5
03525500	Clinch River at Clinchport, Va.	36.673708	-82.747105	987
03527500	North Fork Clinch River at Route 58 at Duffield, Va.	36.711207	-82.795717	23.1
03530000	South Fork Powell River at Route 23 at Big Stone Gap, Va.	36.865097	-82.770994	39.7

**Table 1.** Study sites and their identifying information—Continued[DD, decimal degrees; mi<sup>2</sup>, square miles; --, not determined]

Station number	Station description	Latitude (DD)	Longitude (DD)	Drainage area
<b>Partial-record stations</b>				
01484790	Nassawadox Creek at Route 606 near Nassawadox, Va.	37.525278	-75.876944	5.21
01484855	North Branch Onancock Creek at Pine Street at Onancock, Va.	37.715556	-75.736111	0.76
01605200	West Strait Creek at Monterey wastewater outfall at Monterey, Va.	38.415833	-79.573333	1.31
01605500	South Branch Potomac River at Franklin, W.Va.	38.637222	-79.337222	179
01607500	South Fork South Branch Potomac River at Brandywine, W.Va.	38.631389	-79.243889	103
01613570	Back Creek at old Route 522 at Gainesboro, Va.	39.285833	-78.264167	34.9
01613590	Isaacs Creek at Route 522 at Gainesboro, Va.	39.301667	-78.280278	16.1
01614805	Opequon Creek at Route 622 at Opequon, Va.	39.157222	-78.246667	2.47
01614820	Opequon Creek at old Route 628 near Opequon, Va.	39.130000	-78.225556	10.6
01615515	Old Town Spring at Winchester, Va.	39.187778	-78.176389	--
01615518	Town Run tributary from Shawnee Spring at Winchester, Va.	39.172222	-78.162500	0.005
01615522	Rouss Spring at Winchester, Va.	39.168333	-78.160833	--
01616074	Redbud Run at private drive above Fay Spring near Winchester, Va.	39.205000	-78.130556	6.13
01616188	Hot Run tributary below Payne Spring at Route 11 at Stephenson, Va.	39.239167	-78.108333	0.5
01616200	Clearbrook Run above wastewater outfall at Clearbrook, Va.	39.251667	-78.091944	0.78
01620690	North River at Route 727 near Bridgewater, Va.	38.395000	-79.031944	102
01620836	Mossy Creek at Route 731 at Mt. Solon, Va.	38.341389	-79.083889	4.87
01620850	Mossy Creek near Spring Creek, Va.	38.386667	-79.014444	15.3
01621100	Muddy Creek at Route 33 at Hinton, Va.	38.467222	-78.975556	16.5
01621200	War Branch at Route 33 near Hinton, Va.	38.474568	-78.986975	9.73
01621280	Muddy Creek at Route 737 near Hinton, Va.	38.431944	-78.980556	31.3
01621300	Dry River at Route 257 at Bridgewater, Va.	38.407500	-78.975833	119
01621305	Dry River at mouth at Bridgewater, Va.	38.392500	-78.980833	120
01621315	North River at Route 42 at Bridgewater, Va.	38.379167	-78.979722	295
01621320	Long Glade Creek at Route 613 near Moscow, Va.	38.295278	-79.045278	3.86
01621340	Long Glade Creek at Route 42 at Bridgewater, Va.	38.377222	-78.982778	17.8
01621390	Cooks Creek at Route 11 near Mt. Crawford, Va.	38.373056	-78.935000	22.4
01621600	Pleasant Run near Route 867 at Mt. Crawford, Va.	38.346667	-78.925556	8.03
01622465	Middle River at Route 250 near Churchville, Va.	38.216111	-79.133333	91.8
01622468	Jennings Branch at Whites Store above Stoutameyer Branch near Lone Fountain, Va.	38.282500	-79.229722	9.35
01624175	Elk Run at Route 835 near Parnassus, Va.	38.262500	-79.105833	8.38
01624350	Middle River above Staunton-Verona wastewater outfall above Lewis Creek near Verona, Va.	38.190278	-78.974167	196
01624550	Lewis Creek at Route 612 above mouth near Verona, Va.	38.182778	-78.975556	27.3
01624880	Meadow Run at Woodlawn Village wastewater outfall near Hermitage, Va.	38.154722	-78.923333	11.9
01624940	Middle River tributary 3 at Mount Sidney, Va.	38.248056	-78.960278	1.45
01625200	Mill Creek at Route 671 near Port Republic, Va.	38.316389	-78.818611	14.4
01625847	South River at wastewater outfall at Stuarts Draft, Va.	38.018611	-79.018889	52.1
01626900	Sawmill Run at Route 611 near Doods, Va.	38.096111	-78.810556	3.62
01627100	Meadow Run at Fire Road near Crimora, Va.	38.158056	-78.810556	3.44
01627400	Paine Run below Route 614 near Harriston, Va.	38.198611	-78.793889	4.88
01628080	Madison Run along Madison Run Road near Grottoes, Va.	38.256667	-78.768333	5.77
01628585	Cub Run at Route 33 at Penn Laird, Va.	38.388056	-78.804722	14.2
01628590	Cub Run tributary 2 above Lawyer Road wastewater outfall at Penn Laird, Va.	38.378611	-78.805833	0.73
01628630	Cub Run at Route 650 at Rocky Bar near Island Ford, Va.	38.339167	-78.723611	26.8
01628700	Twomile Run at Park Road near McGaheysville, Va.	38.334444	-78.672222	2.17
01628800	South Fork Shenandoah River near Elkton, Va.	38.387500	-78.644444	1160
01628900	Hawksbill Creek tributary at Route 626 near Swift Run, Va.	38.346389	-78.576389	1.32
0162906760	Quail Run at Route 646 near McGaheysville, Va.	38.405000	-78.699722	2.63
0162909150	Boone Run at Route 636 near Elkton, Va.	38.425278	-78.643333	11.5
01629120	East Branch Naked Creek along East Branch Naked Creek Trail near Jollett, Va.	38.468611	-78.497222	4.63
01629920	Little Hawksbill Creek tributary at Big Fill Hollow near Ida, Va.	38.556389	-78.431944	0.8
01630540	Hawksbill Creek at Route 648 at Springfield, Va.	38.708056	-78.456667	68.2
01630542	Pass Run at Route 669 near Thornton Gap, Va.	38.651389	-78.353889	2.05

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Station number	Station description	Latitude (DD)	Longitude (DD)	Drainage area
<b>Partial-record stations</b>				
01630544	Pass Run at mouth near Springfield, Va.	38.708333	-78.456111	20.7
01630585	Jeremys Run at Route 611 near Oak Hill, Va.	38.721667	-78.387500	9.73
01630620	Overall Run off Overall Run Trail near Bentonville, Va.	38.805000	-78.342778	4.4
01630649	Phils Arm Run above Route 631 near Browntown, Va.	38.792778	-78.241389	0.97
01630680	Lands Run at Lands Run Road near Browntown, Va.	38.822222	-78.206111	1.6
01631500	North Fork Shenandoah River at Route 917 at Fults Run, Va.	38.671667	-78.929722	106
01632080	Linville Creek at Route 786 at Broadway, Va.	38.606111	-78.803611	45.7
01632300	Long Meadow (Long Glade) at Route 259 near Broadway, Va.	38.578731	-78.760856	7.94
01632825	Fridley Run at Fridley Gap near Lacy Spring, Va.	38.493611	-78.702500	1.44
01632833	Mountain Run at Route 620 near Lacy Spring, Va.	38.499444	-78.739444	4.93
01632890	Smith Creek at Route 794 near Lacey Spring, Va.	38.614167	-78.672500	74.2
01633100	Stony Creek tributary at Route 263 at Orkney Springs, Va.	38.796389	-78.811944	1.01
01633485	Stony Creek along Route 717 near Liberty Furnace, Va.	38.895556	-78.667778	56.5
01633510	Swover Creek at Route 42 near Conicville, Va.	38.841389	-78.677500	3.21
01633540	Stony Creek at Route 11 at Edinburg, Va.	38.820833	-78.567778	108
01633730	Toms Brook at Route 11 at Toms Brook, Va.	38.945000	-78.442222	9.43
01633745	Toms Brook at Route 747 near Toms Brook, Va.	38.926389	-78.425000	16.3
01634340	Cedar Creek near Lebanon Church, Va.	39.081389	-78.425000	55.9
01635005	Fawcett Run below Marlboro Spring at Marlboro, Va.	39.082778	-78.322500	7.27
01635008	Fawcett Run above mouth at Marlboro, Va.	39.078889	-78.326667	7.39
01635045	Buffalo Marsh Run at Route 627 near Middletown, Va.	39.059444	-78.304722	6.79
01635070	Vaucluse Spring near Middletown, Va.	39.062500	-78.260278	--
01635100	Cedar Creek at Route 635 near Strasburg, Va.	38.990833	-78.328333	156
01636228	Crooked Run above Route 627 at Cedarville, Va.	38.987222	-78.183333	23
01636240	Crooked Run at Route 340 at Riverton, Va.	38.956111	-78.198056	46.9
01636266	Manassas Run at Route 79 near Linden, Va.	38.913611	-78.099444	5.54
01636283	Wrights Branch tributary (Lions Club Springs) below Jeep trail near Stone Bridge, Va.	39.001111	-78.019722	0.058
01636295	Roseville Run at Boyce wastewater outfall below Route 340 at Boyce, Va.	39.088333	-78.064167	2.38
01636300	Westbrook Run at Route 340 near Boyce, Va.	39.072778	-78.091667	1.52
01636320	Giuliani Springs near Ashby Gap, Va.	39.063056	-77.938056	--
01636336	Buck Marsh Run above Route 340 at Berryville, Va.	39.164722	-77.975556	0.86
01643643	Goose Creek at Route 17 at Delaplane, Va.	38.914167	-77.921944	44.6
01643800	North Fork Goose Creek at Route 722 near Lincoln, Va.	39.077222	-77.697778	24
01643988	Little River at Route 15 near Oatlands, Va.	39.006944	-77.614722	47.7
01644010	Black Branch tributary 1 at mouth near Watson, Va.	39.007500	-77.578056	0.16
01644020	Black Branch tributary 2 near Watson, Va.	39.012222	-77.579167	0.17
01644110	Sycolin Creek above mouth near Leesburg, Va.	39.072222	-77.519167	17
01644133	Goose Creek at Route 7 near Ashburn, Va.	39.085278	-77.511111	381
01644255	South Fork Broad Run at Route 621 at Arcola, Va.	38.952778	-77.535833	5.28
01644300	Sugarland Run at Route 606 at Herndon, Va.	38.966777	-77.371097	3.39
01645160	Nichols Run near Dranesville, Va.	39.030278	-77.315833	3.51
01645750	South Fork Little Difficult Run at Fox Mill Road near Fairfax, Va.	38.897889	-77.353041	1.58
01645800	Piney Branch above railroad at Vienna, Va.	38.901778	-77.265538	0.27
01645888	Colvin Run tributary to tributary above Lake Anne at Reston, Va.	38.967500	-77.343611	0.27
01645900	Colvin Run at Hunter Mill Road at Reston (near Herndon), Va.	38.965666	-77.309706	5.04
01645950	Piney Run at Leesburg Pike at Reston, Va.	38.980388	-77.318873	2.05
01646200	Scott Run at Old Georgetown Pike near McLean, Va.	38.958999	-77.205536	4.67
01646305	Dead Run at Whann Avenue near McLean, Va.	38.959777	-77.175674	2.05
01646600	Pimmit Run at Great Falls Road near Falls Church, Va.	38.911500	-77.184425	2.88
01646700	Pimmit Run below Kirby Road at Arlington, Va.	38.936222	-77.139146	8.26
01652400	Long Branch at South Carlyn Springs Road at Arlington, Va.	38.858723	-77.126646	0.94
01652600	Holmes Run at Route 50 at Merrifield, Va.	38.865945	-77.212204	2.73
01652610	Holmes Run at Sleepy Hollow Road near Annandale, Va.	38.846501	-77.174147	7.11

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<b>Partial-record stations</b>				
01652620	Tripps Run above South Washington Street at Falls Church, Va.	38.879556	-77.178869	1.91
01652645	Tripps Run tributary at Holmes Run Road near Falls Church, Va.	38.865112	-77.170814	0.51
01652650	Tripps Run at Sleepy Hollow Road near Falls Church, Va.	38.860390	-77.165536	4.63
01652690	Holmes Run above Route 236 at Alexandria, Va.	38.812335	-77.113868	18.8
01652710	Backlick Run at Leesville Boulevard at Springfield, Va.	38.801502	-77.186926	2.08
01652910	Backlick Run below South Van Dorn Street at Alexandria, Va.	38.803169	-77.127757	13.5
01653210	Pike Branch at Route 611 at Alexandria, Va.	38.793169	-77.083589	2.59
01653410	Taylor Run above Route 236 at Alexandria, Va.	38.808333	-77.075278	1
01653447	Penn Daw outfall at Huntington Avenue at Alexandria, Va.	38.788725	-77.064700	0.79
01653700	Little Hunting Creek at Route 1 at Gum Springs, Va.	38.739281	-77.088589	1.97
01653800	Dogue Creek at Route 1 near Accotink, Va.	38.719004	-77.128591	10.8
01653900	Accotink Creek at Pickett Street at Fairfax, Va.	38.860945	-77.271094	6.86
01653950	Long Branch at Lee Route at Vienna, Va.	38.873167	-77.242482	1.21
01654650	Rocky Branch at mouth at Springfield, Va.	38.779722	-77.210833	0.90
01654750	Accotink Creek at Hooes Road near Springfield, Va.	38.761944	-77.206944	36.3
01655140	Accotink Creek at Telegraph Road near Accotink, Va.	38.720278	-77.191111	40.5
01655310	Rabbit Branch at Guinea Road near Burke, Va.	38.801780	-77.288318	3.82
01655330	Sideburn Branch at Poburn Road near Fairfax Station, Va.	38.796225	-77.301651	2.79
01655340	Pohick Creek tributary at Keene Mill Road near Burke, Va.	38.773447	-77.251650	0.33
01655350	Pohick Creek at Hooes Road near Springfield, Va.	38.757336	-77.226650	15.2
01655370	Middle Run at Route 640 near Lorton, Va.	38.750392	-77.233872	3.64
01655380	South Run at Hooes Road near Lorton, Va.	38.736503	-77.252484	6.3
01655390	Pohick Creek at Lorton Road at Lorton, Va.	38.704004	-77.214149	31.3
01655925	Licking Run at Route 616 near Calverton, Va.	38.620833	-77.658056	23.5
01656200	Broad Run at Route 17 near Warrenton, Va.	38.807060	-77.812772	2.55
0165665450	Broad Run tributary 2 inflow near Manassas, Va.	38.721667	-77.497222	1.49
0165665455	Broad Run tributary 2 outflow near Manassas, Va.	38.718611	-77.502500	1.56
01656659	Kettle Run at Route 619 at Brentsville, Va.	38.699444	-77.511667	25.2
01656670	Broad Run at Route 692 at Brentsville, Va.	38.692222	-77.495000	137
01656705	Black Branch at Route 15 near Haymarket, Va.	38.912778	-77.628611	2.81
01657600	Sandy Run at Henderson Road near Fairfax Station, Va.	38.748170	-77.322763	2.35
01657800	Giles Run at Route 1 near Woodbridge, Va.	38.680116	-77.226371	4.52
01657865	Neabsco Creek tributary above Prince William Parkway at Dale City, Va.	38.653611	-77.296667	0.17
01657870	Neabsco Creek tributary to tributary 1 at Dale City, Va.	38.651944	-77.296667	0.14
01657882	Neabsco Creek tributary below Prince William Parkway at Dale City, Va.	38.650278	-77.293611	0.53
01658450	Quantico Creek at Burma Fire Road near Independent Hill, Va.	38.602500	-77.369167	4.71
01658460	Quantico Creek at Camp 4 near Dumfries, Va.	38.589722	-77.357222	5.91
01658475	Quantico Creek above pyrite mine near Dumfries, Va.	38.576389	-77.351389	6.78
01658510	South Fork Quantico Creek tributary 7 tributary at Oak Ridge campground near Independent	38.598056	-77.418889	0.001
01658530	South Fork Quantico Creek at Mawavi Road near Joplin, Va.	38.585278	-77.412778	8.99
01658540	South Fork Quantico Creek tributary 8 at Camp 2 near Joplin, Va.	38.579722	-77.413056	0.25
01658601	South Fork Quantico Creek tributary 1 at High Meadows Trail near Joplin, Va.	38.583333	-77.386944	1.09
01658603	South Fork Quantico Creek below tributary 1 near Joplin, Va.	38.576111	-77.379722	12.9
01658610	South Fork Quantico Creek at Park Road near Joplin, Va.	38.567500	-77.365000	14.4
01658615	Mary Bird Branch at Taylor Farm Road near Joplin, Va.	38.593333	-77.376667	0.092
01658625	South Fork Quantico Creek tributary 5 at Orenda Fire Road near Dumfries, Va.	38.563611	-77.357778	0.2
01660560	Potomac Creek at Route 1 near Brooke, Va.	38.376389	-77.451111	35.4
01661835	Hickman Run tributary above wastewater outfall at Flint Hill, Va.	38.753889	-78.106667	0.2
01661839	Jordan River at Route 637 near Flint Hill, Va.	38.762500	-78.034722	34.1
01661840	Rappahannock River at Route 647 near Flint Hill, Va.	38.758889	-78.028333	73.9
01661995	Carter Run at Route 688 near Jeffersonton, Va.	38.699167	-77.906944	55.2
01662050	Great Run tributary to tributary above wastewater outfall at Warrenton, Va.	38.716667	-77.815833	0.35
01662065	Great Run at Route 687 near Turnbull, Va.	38.642778	-77.859167	25.1

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01662100	Hazel River along Hazel River Trail near Nethers, Va.	38.615000	-78.262222	5.15
01662110	Hazel River at Route 231 near Woodville, Va.	38.607500	-78.237500	9.85
01662160	Brokenback Run above Hughes River near Nethers, Va.	38.571111	-78.300278	4.42
01662190	Ragged Run along Route 645 near Etlan, Va.	38.532222	-78.295556	1.23
01662310	Thornton River above Beech Spring Hollow near Sperryville, Va.	38.653333	-78.273056	6.41
01662320	Thornton River above wastewater outfall at Sperryville, Va.	38.658056	-78.220278	10.3
01662350	North Fork Thornton River along Forest Road near Sperryville, Va.	38.693333	-78.275833	7.31
01662490	Rush River at Route 624 at Washington, Va.	38.726944	-78.170278	11.1
01663750	Muddy Run at Route 729 near Norman, Va.	38.542778	-78.042778	6.33
01663830	Muddy Run at Route 625 near Rixeyville, Va.	38.561944	-77.924722	28.9
01664750	Marsh Run at Route 668 near Remington, Va.	38.508056	-77.764722	35.9
01665220	Deep Run at Route 615 near Goldvein, Va.	38.451944	-77.629444	15.5
01665228	Deep Run at Route 17 near Goldvein, Va.	38.430278	-77.629722	25.7
01665270	Staunton River at mouth near Graves Mill, Va.	38.443889	-78.370000	4.11
01665340	Conway River at Route 667 near Kinderhook, Va.	38.416389	-78.438056	9.68
01665400	Conway River at Route 230 near Stanardsville, Va.	38.332907	-78.397786	26
01665440	South River at Route 642 above Entry Run near McMullen, Va.	38.366944	-78.460556	4.93
01665580	Blue Run at Route 641 near Somerset, Va.	38.237500	-78.199167	32.2
01665710	Robinson River tributary at White Oak Canyon Trail near Syria, Va.	38.539722	-78.348056	5.5
01665800	Rose River along Rose River Trail near Syria, Va.	38.515278	-78.366389	9.18
01665850	Robinson River at Route 231 near Criglersville, Va.	38.448333	-78.278889	47.7
01667650	Cedar Run at Route 522 near Culpeper, Va.	38.363333	-77.975556	28
01667850	Mine Run at Route 611 at Burr Hill, Va.	38.343333	-77.859167	32.7
01667890	Flat Run at Route 3 near Flat Run, Va.	38.353056	-77.753611	7.30
01667910	Wilderness Run at Route 3 at Wilderness, Va.	38.325556	-77.725833	10.7
01668064	Massaponax Creek at Route 208 near Four Mile Fork, Va.	38.241944	-77.535556	8.04
01668200	Gingoteague Run at Route 623 near Port Royal, Va.	38.211241	-77.152477	2.8
0166828230	Occupacia Creek at Route 17 near Chance, Va.	38.044167	-77.005833	29.3
01668300	Farmers Hall Creek at Route 17 near Champlain, Va.	38.001524	-76.977469	2.18
01670010	Beaverdam Swamp tributary 2 at Route 606 at Ark, Va.	37.443056	-76.574167	1.17
01670020	Beaverdam Swamp at Route 616 at Gloucester, Va.	37.426111	-76.530000	21.7
01670120	Mountain Run at Route 643 near Gordonsville, Va.	38.160833	-78.101667	14.1
01670145	Gold Mine Creek tributary to tributary 1 tributary at Louisa, Va.	38.033333	-78.002500	0.39
01670320	Freshwater Creek above wastewater outfall at Mineral, Va.	38.009167	-77.898889	0.51
01670435	Northeast Creek at Route 622 near Partlow, Va.	38.043333	-77.693333	34.8
01670500	North Anna River at Route 603 near Hewlett, Va.	37.950000	-77.584722	421
01671025	North Anna River above Little River near Doswell, Va.	37.825696	-77.426093	467
01671200	South Anna River above wastewater outfall near Gordonsville, Va.	38.123611	-78.205556	5.01
01671680	South Anna River at Route 208 (formerly Route 659) near Louisa, Va.	37.980556	-78.048333	113
01671925	Northeast Creek at Route 33 near Mineral, Va.	37.977500	-77.939444	9.32
01672800	Newfound River at Route 685 near Ashland, Va.	37.843056	-77.541667	35.9
01673010	Mechumps Creek at Route 301 at Hanover, Va.	37.758333	-77.364722	18.9
01673600	Matadequin Creek at Route 606 near Tunstall, Va.	37.617222	-77.138056	28.6
01673610	Clopton Swamp tributary above Kenwood Farms wastewater outfall near Quinton, Va.	37.551389	-77.106111	0.24
01673960	Mat River at Route 647 near Marye, Va.	38.106389	-77.601944	14.6
01674160	Polecat Creek at Route 601 at Cedar Fork, Va.	37.969167	-77.538889	1.16
01674171	Polecat Creek tributary near Golansville, Va.	37.965556	-77.488056	4.06
01674172	Polecat Creek at Route 652 near Ladysmith, Va.	37.970278	-77.486944	10.8
01674174	Stevens Mill Run at Route 601 at Golansville, Va.	37.988889	-77.497222	10.1
01674180	Polecat Creek at Route 601 at Penola, Va.	37.955556	-77.368056	47.6
01674200	Reedy Creek at Route 301 near Dawn, Va.	37.882084	-77.359425	17.5
01674250	Maracossic Creek at Route 721 at Sparta, Va.	37.989722	-77.241667	37.6
01674350	Beverly Run at Route 630 near Alps, Va.	37.991389	-77.152778	26.7

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<b>Partial-record stations</b>				
01674600	Herring Creek at Route 609 near Aylett, Va.	37.836667	-77.167500	28.4
01675395	Tastine Swamp at Route 603 at Fork Shop, Va.	37.599722	-76.758333	8.02
01677100	France Swamp at Route 606 near Toano, Va.	37.420833	-76.785000	6.88
01677200	Skimino Creek below Barlows Pond at Route 646 near Lightfoot, Va.	37.366111	-76.715833	8.19
02010500	Muddy Run Spring near Warm Springs, Va.	38.106389	-79.750833	--
02011000	Warm Spring at Warm Springs, Va.	38.053056	-79.781111	--
02011010	Warm Springs Run above wastewater outfall at Warm Springs, Va.	38.049167	-79.795278	3.05
02011830	Hot Springs Run at Bacova Junction, Va.	38.009167	-79.863056	4.62
02015075	Smith Creek above Dry Creek at Clifton Forge, Va.	37.815000	-79.825000	14.2
02015300	Wilson Creek at Tukes Trailer Court wastewater outfall near Longdale, Va.	37.843611	-79.800278	28.5
02015600	Cowpasture River at Route 250 near Head Waters, Va.	38.325124	-79.436987	11.2
0201655975	Mill Creek at Route 694 at Gala, Va.	37.687778	-79.806111	22.4
02018850	Borden Creek near Flatwoods, Va.	37.538056	-79.906667	2.3
02019480	Looney Creek above Long Run at Route 625 near Buchanan, Va.	37.516111	-79.709167	59.4
02020200	Calfpasture River near Route 250 near West Augusta, Va.	38.273460	-79.300315	12.5
02021080	Alum Creek below Rockbridge Alum Springs near Millboro, Va.	37.910000	-79.607500	3.02
02021110	Brattons Run at Route 39 near Goshen, Va.	37.969167	-79.504167	28.8
02021653	Hays Creek at Route 602 near Rockbridge Baths, Va.	37.911389	-79.400278	79.4
02021685	Cedar Grove Branch at Route 712 at Bustleburg, Va.	37.893333	-79.365000	8
02024208	Indian Gap Run at factory at Buena Vista, Va.	37.727222	-79.360556	4.1
02024750	James River at Bedford Dam near Major, Va.	37.577915	-79.376422	3070
02024760	Reed Creek at Route 637 near Big Island, Va.	37.502778	-79.401944	7.44
02024765	Meadow Creek at Route 637 near Big Island, Va.	37.503611	-79.402500	5.48
02024900	Pedlar River at Route 60 below Davis Mill Creek near Buena Vista, Va.	37.746667	-79.269167	18.3
02025850	Ivy Creek below Ivy Hill Lake near Norwood, Va.	37.393333	-79.309722	9.74
02025863	Ivy Creek at Route 501 at Lynchburg, Va.	37.416944	-79.188333	37.4
02025868	Blackwater Creek at Route 501 (Alternate) at Lynchburg, Va.	37.419722	-79.146944	65.3
0202587150	Fishing Creek at Winchester Road at Lynchburg, Va.	37.398056	-79.128056	7.03
0202588530	Opossum Creek at Route 460 near Lynchburg, Va.	37.385833	-79.073889	14.5
02025890	Tussocky Creek tributary at Evergreen wastewater outfall near City Farm, Va.	37.298611	-79.151111	0.19
02025907	Beaver Creek at Route 609 near Lynchburg, Va.	37.388889	-79.059167	36.8
02025970	Wreck Island Creek above quarries near Riverville, Va.	37.481111	-78.895278	55.8
02025974	Wreck Island Creek at Route 605 near Riverville, Va.	37.506667	-78.897778	58.1
02025998	Bent Creek at Route 26 at Bent Creek, Va.	37.533333	-78.829167	31.1
02027600	Buffalo River at Route 610 at Forks of Buffalo, Va.	37.679722	-79.222222	15.8
02027670	Buffalo River at Route 29 near Amherst, Va.	37.605000	-79.026389	93.2
02027700	Buffalo River tributary at Route 60 near Amherst, Va.	37.562642	-78.959466	0.45
02028700	Cove Creek at Route 29 near Covesville, Va.	37.868475	-78.725296	3.85
02028823	Ballinger Creek at Route 626 near Warren, Va.	37.780000	-78.587778	15
02028850	Rock Island Creek at Route 723 near Centenary, Va.	37.734722	-78.555278	9.05
02029050	Little Georgia Creek at Route 679 near Scottsville, Va.	37.751111	-78.466944	5.21
02029190	North Fork Hardware River at Route 708 near Red Hill, Va.	37.971667	-78.618611	4.03
02029200	North Fork Hardware River at Route 29 at Red Hill, Va.	37.967640	-78.617516	11.2
02029400	South Branch of North Fork Hardware River at Route 29 near North Garden, Va.	37.955974	-78.659461	6.58
02030030	Hardware River at Route 646 at Hardware, Va.	37.741389	-78.406944	138
02030150	Slate River at Route 60 at Buckingham, Va.	37.552222	-78.564722	63.0
02030180	Austin Creek at Route 607 near Buckingham, Va.	37.542222	-78.657778	6.33
02030195	North River at Route 648 near Buckingham, Va.	37.563611	-78.570278	33
02030215	Troublesome Creek at Route 631 near Buckingham, Va.	37.570278	-78.531944	6.4
02030300	Slate River at Route 20 near Dillwyn, Va.	37.618889	-78.486111	154
02030400	Turpin Creek near Dillwyn, Va.	37.571944	-78.480556	1.54
02030760	North Creek at Route 652 at Fork Union, Va.	37.757500	-78.250556	1.77
02030850	Stockton Creek at Route 635 near Crozet, Va.	38.043611	-78.698333	20.4

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Station number	Station description	Latitude (DD)	Longitude (DD)	Drainage area
<b>Partial-record stations</b>				
02030895	Mechums River at Route 250 at Mechums River, Va.	38.062222	-78.645278	59.2
02031750	South Fork Moormans River above Charlottesville Reservoir near White Hall, Va.	38.135556	-78.753333	5.49
02032545	Ivy Creek at Route 601 near Boonesville, Va.	38.268611	-78.612500	6.06
0203269950	Schenks Branch at McIntire Road at Charlottesville, Va.	38.040556	-78.477222	1.35
02032867	Meadow Creek at Holmes Avenue at Charlottesville, Va.	38.045000	-78.462500	8.63
02033390	Biscuit Run at Southwood wastewater outfall near Charlottesville, Va.	37.999167	-78.519167	11.6
02033495	Moores Creek above wastewater outfall near Charlottesville, Va.	38.018611	-78.460833	34.9
02033570	Shadwell Creek near Shadwell, Va.	38.020278	-78.424167	0.59
02033750	Buck Island Creek below Route 729 below Houchins Creek near Simeon, Va.	37.953611	-78.404167	30.9
02033800	Mechunk Creek at Route 250 near Boyd Tavern near Zion Crossroads, Va.	37.984167	-78.312222	49
02034300	Little Willis River at Route 15 at Curdsville, Va.	37.410705	-78.459443	6.85
02035098	Deep Creek at Route 684 (Route 27) at Provost, Va.	37.604167	-77.999722	76.4
0203667510	Tuckahoe Creek tributary 1 at Route 288 near Centerville, Va.	37.656257	-77.662768	0.004
0203668775	Tuckahoe Creek at railroad bridge near Tuckahoe Village, Va.	37.569167	-77.636111	62.8
02037800	Falling Creek at Route 653 near Midlothian, Va.	37.454315	-77.588600	18.2
02038730	Fourmile Creek at Doran Road near Richmond Heights, Va.	37.454444	-77.331389	3.99
0203873175	Fourmile Creek at Kingsland Road near Richmond Heights, Va.	37.421944	-77.309167	13.1
02038780	Johnson Creek at Route 746 near Rivermont, Va.	37.332778	-77.326944	7.34
02038824	Suane Creek at Route 627 near Hixburg, Va.	37.334722	-78.667222	10.8
02038840	Holiday Creek near Toga, Va.	37.432923	-78.686398	1.67
0203888120	Vaughans Creek at Route 609 near Prospect, Va.	37.351667	-78.560278	26
02038892	Horsepen Creek at Route 683 near Sheppards, Va.	37.344167	-78.490833	5.44
02038945	Spring Creek at Route 659 near Darlington Heights, Va.	37.218889	-78.590278	16.7
02038955	Mud Creek at Route 659 near Darlington Heights, Va.	37.230000	-78.597778	7.02
02038970	Spring Creek at Route 700 near Hampden Sydney, Va.	37.232778	-78.520278	32.1
02039525	Bush River at Route 630 near Worsham, Va.	37.147222	-78.406389	20.9
02039550	Bush River at Route 460 near Rice, Va.	37.278333	-78.351111	66.9
02039580	Tanyard Branch at Route 646 near Hampden Sydney, Va.	37.240833	-78.420278	2.49
02039600	Briery Creek at Route 460 (Business) near Rice, Va.	37.280278	-78.363333	41.7
02039680	Little Sandy Creek at Route 612 near Moran, Va.	37.208611	-78.320278	8.70
02039700	Sandy River at Route 460 near Rice, Va.	37.275278	-78.321389	39.6
02039760	Sayers Creek above Little Sayers Creek near Rice, Va.	37.326667	-78.258889	10.8
02039780	Little Sayers Creek above mouth near Rice, Va.	37.326667	-78.259167	12.1
02039800	Angola Creek at Route 664 near Angola, Va.	37.371111	-78.297222	6.65
02040500	Flat Creek at Route 681 near Amelia, Va.	37.390984	-78.062223	73.7
02040590	Nibbs Creek above Courthouse Branch near Amelia Court House, Va.	37.367222	-77.992500	15.4
02041130	Winticomack Creek at Route 622 near Winterpock, Va.	37.253056	-77.738056	25.9
02041150	Winterpock Creek at Route 664 near Winterpock, Va.	37.360556	-77.715556	3.81
02041700	Cattail Run above Route 1 at Petersburg, Va.	37.216111	-77.444167	9.35
02041790	Harrison Branch near Colonial Heights, Va.	37.262500	-77.356111	1.59
02041810	Swift Creek at Route 667 near Hallsboro, Va.	37.455000	-77.703333	21.5
02041820	Blackman Creek at Route 667 near Hallsboro, Va.	37.415278	-77.727222	5.89
02041830	Horsepen Creek at Route 667 near Hallsboro, Va.	37.423611	-77.725833	3.75
02041832	Deep Creek above Swift Creek Reservoir near Hallsboro, Va.	37.428889	-77.711111	10.5
02041840	Otterdale Branch at Route 667 near Hallsboro, Va.	37.441389	-77.711389	3.6
02041850	Tomahawk Creek at Route 652 near Hallsboro, Va.	37.469444	-77.681944	4.12
02041860	Little Tomahawk Creek at Route 652 near Hallsboro, Va.	37.464444	-77.672778	2.35
02041862	Little Tomahawk Creek tributary 1 near Hallsboro, Va.	37.451389	-77.673056	0.13
0204186350	Swift Creek tributary 1 near Hallsboro, Va.	37.426944	-77.682500	0.22
02041870	Dry Creek above Route 360 near Winterpock, Va.	37.398333	-77.691111	2.91
02041880	Ashbrook Creek (Dry Creek tributary 1) near Winterpock, Va.	37.398611	-77.685556	2.39
02041888	West Branch above Swift Creek Reservoir near Hallsboro, Va.	37.411111	-77.698056	1.69
02041890	West Branch near Swift Creek Reservoir near Hallsboro, Va.	37.410833	-77.687778	2.79

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<b>Partial-record stations</b>				
02042050	Franks Branch at Route 626 at Colonial Heights, Va.	37.278333	-77.476389	16.7
02042075	Bailey Creek at Fort Lee near Jefferson Park, Va.	37.245278	-77.326111	2.38
02042080	Bailey Creek at Route 156 at Hopewell, Va.	37.273611	-77.289722	13.8
02042140	Powell Creek at Route 10 at Garysville, Va.	37.248333	-77.152500	14.7
02042160	West Run at Route 625 at Barnetts, Va.	37.358333	-77.165556	21.2
02042190	Courthouse Creek above Glebe Creek at Charles City, Va.	37.343333	-77.076667	4.9
02042250	Bailey Branch tributary at Route 10 at Spring Grove, Va.	37.174871	-76.986632	0.55
02042272	Chickahominy River tributary 13 near Glen Allen, Va.	37.696111	-77.548611	0.27
02042275	Chickahominy River at Route 625 near Glen Allen, Va.	37.700556	-77.513611	30.2
02042284	Stony Run at Route 656 near Greenwood, Va.	37.684722	-77.449444	18
02042288	Chickahominy River at Route 627 near Richmond, Va.	37.611389	-77.406667	66.0
02042400	Jordans Branch at Route 250 at Richmond, Va.	37.586257	-77.498318	2.47
02042433	Beaverdam Creek at Route 156 at Mechanicsville, Va.	37.595833	-77.358889	11.4
02042435	Chickahominy River at Route 615 at Highland Springs, Va.	37.576667	-77.334167	131
02042440	Chickahominy River at Route 156 near Seven Pines, Va.	37.551944	-77.271389	149
02042455	White Oak Swamp at Route 156 at Elko, Va.	37.468056	-77.208889	22.8
02042470	Chickahominy River at Route 609 near Roxbury, Va.	37.469722	-77.138056	224
02042490	Schiminoe Creek tributary at Route 60 near Providence Forge, Va.	37.457500	-77.092500	1.49
02042700	Collins Run at Route 155 near Providence Forge, Va.	37.399869	-77.048025	2.83
02042726	Diascund Creek at Route 628 near New Kent, Va.	37.481111	-76.972500	9.4
02042736	Beaverdam Creek at Route 632 near Barhamsville, Va.	37.482778	-76.906389	5.02
02042752	Mill Creek at Route 603 at Diascund, Va.	37.389722	-76.868056	8.6
02042754	Yarmouth Creek below Cranstons Pond at Route 632 near Toano, Va.	37.346667	-76.815556	6.99
02042756	Gordon Creek below Jolly Pond at Route 633 near Lightfoot, Va.	37.296667	-76.819444	4.85
02042765	James River tributary at Route 5 near Five Forks, Va.	37.255000	-76.812778	0.91
02042780	West Branch Long Hill Swamp at Route 612 near Lightfoot, Va.	37.314036	-76.766904	2.47
02042782	Powhatan Creek at Route 5 at Five Forks, Va.	37.249167	-76.773056	19.4
02042787	Skiffes Creek at Plantation Road near Lee Hall, Va.	37.213333	-76.613889	1.39
0204278995	Baptist Run at Route 637 near Yorktown, Va.	37.213333	-76.529167	2.02
02043828	Pasquotank River near South Mills, N.C.	36.421667	-76.347222	208
02044200	Falls Creek tributary at Route 49 near Victoria, Va.	37.034596	-78.173610	0.37
02044300	Little Nottoway River at Route 40 near Blackstone, Va.	37.040278	-78.035278	72.5
02044550	Beaver Pond Creek at Route 612 near Rawlings, Va.	36.985278	-77.800556	9.28
02044900	Great Creek above McKenney wastewater outfall near McKinney, Va.	36.980833	-77.741111	3.52
02045000	Nottoway River at Route 1 near McKenney, Va.	36.945833	-77.733611	356
02046250	Stony Creek above Stony Creek wastewater outfall at Stony Creek, Va.	36.948056	-77.390000	237
02046265	Hatcher Run at Route 627 near Five Forks, Va.	37.155556	-77.625556	6.77
02046328	Rowanty Creek at Route 605 near Reams, Va.	37.090278	-77.469167	74.8
02046370	Rowanty Creek at Route 602 near Stony Creek, Va.	36.982500	-77.381389	119
02046446	Nebletts Mill Run at Route 35 near Homeville, Va.	36.977222	-77.217778	32.4
02046448	Nebletts Mill Run tributary at Route 35 near Homeville, Va.	36.975556	-77.208889	1.21
02046750	Three Creek at Route 616 near Emporia, Va.	36.723611	-77.520278	67.1
02047012	Buckhorn Swamp at Route 652 near Capron, Va.	36.721389	-77.159722	9.19
02047027	Buckhorn Swamp at Route 651 near Sebrell, Va.	36.750000	-77.159167	17.3
02047039	Black Swamp at Route 626 near Newville, Va.	37.041111	-77.143611	4
02047400	Blackwater Swamp (River) at Route 625 near Disputanta, Va.	37.133889	-77.208333	72
0204741367	Warwick Swamp at Route 627 near Disputanta, Va.	37.106667	-77.260556	22.5
02047420	Warwick Swamp at Route 613 near Disputanta, Va.	37.092778	-77.152222	38
0204744082	Otterdam Swamp tributary (Buzzard Branch) near Waverly, Va.	37.083056	-77.046389	1.44
02049700	Cypress Swamp at Route 635 near Burdette, Va.	36.741539	-76.938017	8.43
02051032	Big Juniper Creek at Route 690 near Rehoboth, Va.	36.958889	-78.345000	21.5
02051046	North Meherrin River at Route 49 below Couches Creek near Lunenburg, Va.	36.937222	-78.321667	109
02051054	Kits Creek at Route 49 near Rehoboth, Va.	36.933611	-78.328611	4.48



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<b>Partial-record stations</b>				
02051071	Reedy Creek at Route 671 near Rehoboth, Va.	36.906389	-78.284444	17.1
02051100	South Meherrin River at Route 49 near Chase City, Va.	36.859444	-78.422778	27.8
02051108	South Meherrin River at Route 634 near Chase City, Va.	36.850556	-78.352222	44.9
02051131	Middle Meherrin River at Route 634 near Scotts Crossroad, Va.	36.855278	-78.341111	40.5
02051190	Meherrin River at Route 637 near South Hill, Va.	36.786944	-78.117500	333
02051200	Flat Rock Creek at Route 647 near Kenbridge, Va.	36.899444	-78.122778	21.5
02051218	Flat Rock Creek at Route 612 near Bagleys Mills, Va.	36.827778	-78.107778	41
02051593	Great Creek at Route 1 near Cochran, Va.	36.828611	-77.926667	29.2
02051616	Great Creek at Route 713 at Lawrenceville, Va.	36.745833	-77.847500	46.6
02051625	Roses Creek at Route 646 near Alberta, Va.	36.811944	-77.882500	5.25
02051715	Roses Creek at Route 58 at Lawrenceville, Va.	36.749167	-77.837500	27.3
02052180	Rattlesnake Creek at Route 672 near Triplet, Va.	36.592500	-77.767222	26.6
02054120	North Fork Roanoke River along Route 723 near Lusters Gate, Va.	37.221667	-80.365556	44.2
02054190	Wilson Creek at Route 603 at Ellett, Va.	37.189444	-80.358611	13
02054195	North Fork Roanoke River at Route 603 at Ellett, Va.	37.186667	-80.352778	64.4
02055370	Carvin Creek at Route 115 at Roanoke, Va.	37.321111	-79.934167	28.8
02055515	Lick Run above Norfolk wastewater outfall at Roanoke, Va.	37.272222	-79.935556	7.59
02055520	Glade Creek above mouth at Vinton, Va.	37.279444	-79.906944	33
02056500	Back Creek at Route 220 near Roanoke, Va.	37.179167	-79.936111	40.7
02056700	Beaverdam Creek at Route 757 near Hardy, Va.	37.224444	-79.756389	26.5
02056800	South Fork Blackwater River above school wastewater outfall at Callaway, Va.	37.010833	-80.048056	21.9
02057050	Gills Creek at Route 122 near Burnt Chimney, Va.	37.125278	-79.782778	21.8
02057600	Pigg River at Route 40 near Rocky Mount, Va.	36.976111	-79.925556	40.5
02057650	Pigg River above wastewater outfall at Rocky Mount, Va.	36.983611	-79.881389	68.9
02057750	Little Chestnut Creek near Sydnorsville, Va.	36.905278	-79.848611	15.4
02058100	Turkeycock Creek at Route 969 at Sago, Va.	36.881389	-79.631111	29.6
02059420	North Fork Goose Creek at Route 460 near Montvale (Thaxton), Va.	37.370556	-79.698611	31.5
02059450	South Fork Goose Creek at Route 607 at Montvale, Va.	37.379859	-79.730315	11
02059452	Goose Creek at Route 726 near Irving, Va.	37.356111	-79.692222	46.8
02059459	Bore Auger Creek at Route 754 near Irving, Va.	37.307222	-79.677778	17.6
02059490	Stony Fork at Route 608 near Moneta, Va.	37.210000	-79.642500	7.01
02060000	Goose Creek at Route 626 at Huddleston, Va.	37.157089	-79.475584	213
02060400	Sycamore Creek at Route 643 at Sycamore, Va.	37.023611	-79.356667	5.27
02060592	Sheep Creek at Route 688 near Thaxton, Va.	37.387778	-79.614722	10.3
02060692	Stony Creek at Route 43 near Peaks of Otter, Va.	37.392778	-79.555278	14.0
02060695	Big Otter River at Route 43 near Peaks of Otter, Va.	37.389722	-79.551389	37.0
02060800	North Otter Creek at Route 643 near Cifax, Va.	37.423889	-79.466111	25.8
02060860	Oslin Creek at Route 644 near Cifax, Va.	37.394444	-79.450556	12.0
02061160	Elk Creek at Route 668 near Goode, Va.	37.330556	-79.391389	41.0
02061200	Little Otter River at Route 122 near Bedford, Va.	37.361389	-79.500833	18.3
02061320	Little Otter River at Route 715 near Otter Hill, Va.	37.276667	-79.435000	66.4
02061460	Buffalo Creek above Route 460 at New London, Va.	37.305000	-79.290000	5.93
02063400	Reddy Creek at Route 679 near Spring Mills, Va.	37.281667	-78.903889	12.7
02063460	Falling River at Route 650 near Spring Mills, Va.	37.262500	-78.900278	42.2
02063770	South Fork Falling River at Route 648 near Spring Mills, Va.	37.202778	-78.962500	47.6
02065010	Phelps Creek at Brookneal diversion near Brookneal, Va.	37.068333	-78.951667	3.92
02065260	Turnip Creek at Route 619 near Aspen, Va.	37.014444	-78.851389	31.5
02066450	Roanoke Creek (Little Roanoke Creek) at Route 40 near Charlotte Court House, Va.	37.057500	-78.584167	42.7
02066520	Twittys Creek above wastewater outfall (south) at Drakes Branch, Va.	36.990278	-78.603333	23.2
02067020	Buffalo Creek at Route 608 near Red Oak, Va.	36.800833	-78.642778	5.62
02067100	Difficult Creek at Route 360 near Scottsburg, Va.	36.796111	-78.786111	40.4
02069550	North Fork South Mayo River at Route 58 at Stuart, Va.	36.650833	-80.285556	10.1
02071800	Nicholas Creek at Route 605 near Ferrum, Va.	36.869859	-80.052541	12.1

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02072525	Blackberry Creek at Route 687 near Sanville, Va.	36.753333	-80.089722	3.27
02072550	Blackberry Creek at Route 57A near Bassett, Va.	36.749722	-79.979444	15.4
02073300	Marrowbone Creek at Route 642 near Ridgeway, Va.	36.613333	-79.823056	30.0
02073600	Smith River at Route 636 near Irisburg, Va.	36.601944	-79.777222	511
02074450	Sandy River at Route 612 near Swansonville, Va.	36.739722	-79.615000	24.2
02074680	Sandy Creek at Route 746 near Danville, Va.	36.634167	-79.461944	18.8
02075020	Fall Creek at Route 719 near Danville, Va.	36.678333	-79.403611	5.37
02075029	Fall Creek along Route 730 at Danville, Va.	36.595556	-79.366111	35.9
0207509125	Hogans Creek tributary above Goodyear Plant near Danville, Va.	36.541667	-79.372778	0.89
02075191	Cane Creek at Lorillard Tobacco outfall near Ringgold, Va.	36.600000	-79.326111	3.86
02075275	Sandy Creek (River) at Route 58 near Ringgold, Va.	36.580556	-79.225278	18.3
02075350	Powells Creek at Route 58 near Turbeville, Va.	36.580695	-79.188628	0.29
02075390	Double Creek at Route 688 near Sutherlin, Va.	36.631944	-79.176111	12.2
02075475	Byrds Branch at Route 810 near Paces, Va.	36.620833	-79.117778	2.08
02075600	Birch Creek at Route 729 near Birch, Va.	36.703333	-79.217500	19.8
02075700	Birch Creek at Route 659 near Paces, Va.	36.672222	-79.061111	62.3
02075900	Lawsons Creek at Route 658 at Turbeville, Va.	36.610972	-79.024179	8.64
02076100	Wet Sleeve Creek at Banister near Swansonville, Va.	36.771667	-79.547778	3.76
02076280	Dry Fork above Vulcan Materials at Dry Fork, Va.	36.744444	-79.396667	2.56
02076300	Banister River at Route 29 near Chatham, Va.	36.778056	-79.392500	84.8
02076340	Cherrystone Creek above Tanyard Branch near Chatham, Va.	36.805833	-79.378889	34.3
02076353	Cherrystone Creek at Route 703 near Chatham, Va.	36.813889	-79.350833	39
02076430	Whitethorn Creek at Route 685 near Sonans, Va.	36.891667	-79.299722	25.3
02076610	Stinking River at Route 927 near Mount Airy, Va.	36.924444	-79.231111	22.2
02076650	Banister River at Route 640 near Mount Airy, Va.	36.910833	-79.183333	269
02076700	Blacks Creek at Route 40 near Mount Airy, Va.	36.944584	-79.165297	3.54
02076770	Sandy Creek at Route 832 at Meadville, Va.	36.825556	-79.027500	99.1
02079660	Jolly Hollow Branch at Route 92 at Boydton, Va.	36.677363	-78.386664	3.64
0207966605	Flat Creek at Route 642 near South Hill, Va.	36.696667	-78.131667	1.75
0207966625	Flat Creek at Route 630 near Smiths Crossroads, Va.	36.632222	-78.171111	15.3
02079740	Great Creek at Route 620 near Marengo, Va.	36.606111	-78.084722	7.73
0207974250	Great Creek at Route 619 near Bracey, Va.	36.593056	-78.090833	17
03162852	Peach Bottom Creek at Route 697 near Independence, Va.	36.600278	-81.111389	20.8
03164100	Bull Run at Providence Elementary School wastewater outfall near Stevens Creek, Va.	36.707778	-81.036389	0.39
03166500	Neff-Litz Spring near Rural Retreat, Va.	36.847222	-81.273611	--
03166905	Harkrader Spring near Grahams Forge, Va.	36.930556	-80.894444	--
03167150	Big Reed Island Creek at Olde Mill Golf Resort near Laurel Fork, Va.	36.688889	-80.528333	20.1
03167610	East Fork Little Reed Island Creek tributary 2 at Utt's Campground near Fancy Gap, Va.	36.673889	-80.695000	0.2
03171040	Connellys Run at Bissett Park Bridge at Radford, Va.	37.140278	-80.568056	5.89
03171095	Plum Creek at Route 11 at Radford, Va.	37.131667	-80.519722	6.56
03171170	Crab Creek at Christiansburg wastewater outfall near Christiansburg, Va.	37.157222	-80.470833	13.7
03171215	Stroubles Creek at Route 657 near Prices Fork, Va.	37.199444	-80.450000	7.18
03171220	Stroubles Creek at Route 705 near Radford (previously Route 659), Va.	37.183889	-80.501111	12
03171550	Sinking Creek at Route 700 near Newport, Va.	37.311389	-80.516389	65.5
03171700	Crab Orchard Creek at Route 605 near Bland, Va.	37.093333	-81.110278	15.7
03171900	Kimberling Creek at Route 612 near Holly Brook, Va.	37.177222	-80.981667	27.2
03171950	Kimberling Creek at Route 42 near Mechanicsburg, Va.	37.165278	-80.900000	90
03172000	Wabash Spring near Poplar Hill, Va.	37.238889	-80.765278	--
03173500	Francis Spring near Bane, Va.	37.262222	-80.689167	--
03174000	New River at Route 61 at Narrows, Va.	37.333889	-80.810000	3479
03174500	Wolf Creek near Shawver Mill (Burkes Garden), Va.	37.134722	-81.357500	35.2
03174680	Hunting Camp Creek at wastewater outfall at Bastian, Va.	37.156944	-81.148611	29.9
03176433	Rich Creek at Route 806 at Rich Creek, Va.	37.383333	-80.823333	53.2

**Table 1.** Study sites and their identifying information—Continued

[DD, decimal degrees; mi<sup>2</sup>, square miles; --, not determined]

Station number	Station description	Latitude (DD)	Longitude (DD)	Drainage area
<b>Partial-record stations</b>				
03177156	Adair Run at Route 648 at Glen Lyn, Va.	37.374167	-80.869444	6.86
03177575	Bluestone River at Shannandale near Springville, Va.	37.213611	-81.361944	10.5
03177620	Bluestone River at Parkview Avenue at Bluefield, Va.	37.239444	-81.278333	20.4
03177680	Wrights Valley Creek at mouth at Bluefield, Va.	37.249444	-81.288056	8.42
03177695	Beaverpond Creek at mouth at Bluefield, Va.	37.255000	-81.276111	10.1
03177715	Brush Fork at Route 717 at Falls Mill, Va.	37.275833	-81.305833	11.2
03177725	Mud Fork at Route 102 at Falls Mills, Va.	37.275278	-81.311667	18.3
03207218	Unnamed mine drain to Aus Keen Branch near Keen Mountain, Va.	37.204444	-81.949167	--
03207225	Garden Creek at Route 632 at Mount Heron, Va.	37.188611	-82.004444	11.3
0320722510	Garden Creek above Right Fork at Mount Heron, Va.	37.188889	-82.004167	11.3
03207226	Right Fork at Trivett Road at Rowe, Va.	37.144444	-82.033333	6.69
03207230	Garden Creek at Route 669 at Oakwood, Va.	37.211667	-82.006667	30.2
03207240	Unnamed mine drain to Dismal Creek near Jewell Valley, Va.	37.230833	-81.807778	--
03207250	Dismal Creek at Route 638 at Whitewood, Va.	37.235556	-81.857500	27.8
03207255	Unnamed mine drain to Laurel Fork above Old House Hollow at Jewell Ridge, Va.	37.189722	-81.804444	--
03207260	Unnamed mine drain to Laurel Fork above Kinder Branch near Jewell Ridge, Va.	37.190556	-81.819722	--
03207290	Unnamed mine drain to Burnt Chestnut Branch near Keen Mountain, Va.	37.240833	-81.900833	--
03207295	Lower Big Branch at Route 685 near Patterson, Va.	37.267500	-81.996944	2.73
03207299	Dismal Creek above Mill Branch near Oakwood, Va.	37.242778	-82.027500	86.1
03207350	Levisa Fork below Laurel Branch near Vansant, Va.	37.239167	-82.067222	156
03207398	Trace Fork Branch along Route 83 near Vansant, Va.	37.218056	-82.106389	9.63
03207407	Dry Fork at Route 627 at Vansant, Va.	37.223611	-82.095000	4.31
03207450	Slate Creek at Route 1003 at Grundy, Va.	37.277500	-82.096667	40.9
03207528	Unnamed mine drain to Burnt Poplar Fork near Harman Junction, Va.	37.309167	-82.184722	--
03207530	Bull Creek near Harman Junction, Va.	37.311389	-82.165833	12.1
03207550	Lynn Camp Creek at Route 460 near Harman Junction, Va.	37.325000	-82.164167	4.05
03207600	Home Creek at Route 700 near Big Rock, Va.	37.345000	-82.175000	12
03207700	Unnamed mine drain to Levisa Fork at Big Rock, Va.	37.352500	-82.190000	--
03207803	Unnamed mine drain to Dog Fork near Harman, Va.	37.323056	-82.197222	--
03207805	Conaway Creek at Route 610 at Conaway, Va.	37.345833	-82.208056	7.36
0320803350	Grissom Creek above Venia near Council, Va.	37.103333	-82.050556	1.48
03208043	Russell Fork along Route 80 at Davenport, Va.	37.099167	-82.136111	16.8
03208046	Hurricane Creek along Route 600 at Davenport, Va.	37.110278	-82.128333	8.89
0320806490	Unnamed mine drain to Tiller Fork near Duty, Va.	37.053611	-82.163889	--
03208089	Little Pawpaw Creek at Route 605 near Colley, Va.	37.165833	-82.205000	1.38
032081037	Unnamed mine drain to Fryingpan Creek at Bucu, Va.	37.070278	-82.217778	--
03208150	Lick Creek along Route 670 at Birchleaf, Va.	37.174167	-82.270556	31.8
03208240	War Fork along Route 83 at Prater, Va.	37.213333	-82.199444	5.45
03208280	Greenbrier Creek at Route 83 at Vacey, Va.	37.211944	-82.236389	9.17
03208400	McClure River above Buffalo Creek at Nora, Va.	37.070000	-82.347222	43.2
03208410	Buffalo Creek at Route 63 near Nora, Va.	37.079722	-82.349722	3.06
03208670	North Fork Pound River along Route 671 at Gilley near Flat Gap, Va.	37.104167	-82.669444	11.6
03208720	Unnamed mine drain to Phillips Creek near Flat Gap, Va.	37.046667	-82.703056	--
03208795	South Fork Pound River at Route 700 at Pound, Va.	37.122778	-82.613611	17.5
03208810	Indian Creek above Route 23 at Pound, Va.	37.118611	-82.598611	11
03208812	Unnamed mine drain to Meade Fork near Pound, Va.	37.126667	-82.567778	--
03208865	Bad Creek along Route 23 at Pound, Va.	37.143611	-82.621111	2.01
03208870	Bad Creek tributary at Route 23 at Pound, Va.	37.141667	-82.622500	0.56
03208874	Right Fork Bearpen Creek at Route 630 near Pound, Va.	37.163889	-82.578333	0.72
03208876	Left Fork Bearpen Creek at Route 630 near Pound, Va.	37.163889	-82.579167	0.65
03208880	White Oak Creek tributary (Johnson Hollow tributary) at Route 630 near Pound, Va.	37.178333	-82.565278	0.67
03208903	Pine Creek at Route 630 near Georges Fork, Va.	37.190833	-82.535000	0.67
03208904	Unnamed mine drain to Georges Fork at Baden near Georges Fork, Va.	37.129444	-82.535278	--

**Table 1.** Study sites and their identifying information—Continued[DD, decimal degrees; mi<sup>2</sup>, square miles; --, not determined]

Station number	Station description	Latitude (DD)	Longitude (DD)	Drainage area
<b>Partial-record stations</b>				
0320890485	Georges Fork below Laurel Creek at Georges Fork, Va.	37.150278	-82.490278	5.69
0320890488	Unnamed mine drain to Georges Fork near Georges Fork, Va.	37.163889	-82.486944	--
03208937	Birchfield Creek at Route 636 near Duncan Gap, Va.	37.054167	-82.554167	5.28
0320893750	Unnamed mine drain to Dotson Creek near Wise, Va.	37.009722	-82.557500	--
03209225	Unnamed mine drain to Middle Fork near Breaks, Va.	37.300278	-82.250278	--
03213572	Knox Creek at Route 650 at Hurley, Va.	37.419722	-82.020556	27.8
03213581	Race Fork at Route 643 near Kelsa, Va.	37.438333	-82.045833	7.32
03213584	Pawpaw Creek along Route 643 at Kelsa, Va.	37.435278	-82.083889	7.53
03471200	South Fork Holston River at Route 601 at Teas, Va.	36.772617	-81.452056	31.1
03472080	Rush Creek above mouth near Friendship, Va.	36.715000	-81.746389	4.74
03472260	Whitetop Laurel Creek at Konnarock, Va.	36.665833	-81.637778	18.5
03473660	Bear Creek at Route 622 near Marion, Va.	36.868889	-81.442500	14.6
03473840	Hungry Mother Creek tributary near Marion, Va.	36.872222	-81.511667	2.11
03473889	Walker Creek along Route 659 near Seven Mile Ford, Va.	36.836667	-81.598333	11.6
03474450	Carlock Creek at Route 774 at Chilhowie, Va.	36.808056	-81.672500	7.15
03474700	Hutton Creek at Route 11 near Chilhowie, Va.	36.783448	-81.734565	8.2
03474720	Hutton Creek at Huff Airport Road near Chilhowie, Va.	36.772500	-81.730278	11.2
03474800	Hall Creek at Route 11 near Glade Spring, Va.	36.763169	-81.804012	7.83
03474900	Byers Creek at Route 735 near Glade Spring, Va.	36.739444	-81.799167	15.4
03474905	Byers Creek along Route 736 at Bramblewood Farm near Old Glade Spring, Va.	36.737778	-81.797222	15.4
03475595	East Fork Cedar Creek above Meadowview wastewater outfall at Cedarville, Va.	36.749444	-81.857222	0.8
03475602	Cedar Creek at Route 706 near Cedarville, Va.	36.714722	-81.830833	7.19
03475627	Wolf Creek at Route 11 at Abingdon, Va.	36.706111	-81.996111	4.5
03475630	Wolf Creek at Route 670 above wastewater outfall at Vance Mill near Abingdon, Va.	36.686389	-81.982222	15.2
03475700	Spring Creek at Route 11 near Abingdon, Va.	36.678721	-82.041239	2.78
034765085	Sinking Creek near Hilander Park, Va.	36.662222	-82.065556	0.96
03487720	North Fork Holston River at Nebo, Va.	36.940000	-81.445556	35.7
03488037	McHenry Creek at Route 91 at Plasterco, Va.	36.854167	-81.781389	9.14
03488955	Smith Creek along Route 614 near Craigs Mill, Va.	36.741111	-82.185278	14.5
03489800	Cove Creek at Route 58 near Shelleys, Va.	36.653714	-82.354310	17.2
03489860	Hilton Creek at Hilton, Va.	36.653333	-82.463889	1.34
03490020	Cate Branch above Route 713 near Yuma, Va.	36.616111	-82.629722	0.35
0352035545	North Fork Clinch River at Wittens Mills near Tazewell, Va.	37.164167	-81.477500	8.25
03520370	Clinch River above Lincolnshire Branch at Tazewell, Va.	37.131667	-81.499722	27.4
03520700	Indian Creek at Route 612 at Harman, Va.	37.157500	-81.708333	11.1
03520985	Indian Creek at Route 1206 at Cedar Bluff, Va.	37.091111	-81.743611	33.1
03520999	Indian Creek at mouth at Cedar Bluff, Va.	37.088611	-81.766111	33.9
03521650	Town Hill Creek at Hillcreek Road at Doran, Va.	37.095556	-81.824167	5.67
03521700	Mudlick Creek above Route 460 at Doran, Va.	37.092500	-81.834444	7.38
03521950	Maiden Spring Creek at Route 16 near Thompson Valley, Va.	37.057500	-81.527500	17.4
03521998	Indian Creek at Route 19 at Wardell, Va.	37.029167	-81.798056	18.6
03522500	Will Brooks Spring at Wardell, Va.	37.041667	-81.800000	--
03522550	Flatrock Creek at Route 624 near Drill, Va.	37.053889	-81.983056	1.91
03522595	Lewis Creek above wastewater outfall at Honaker, Va.	37.007778	-81.969167	21.1
03522620	Lewis Creek above mouth near Honaker, Va.	36.992500	-81.972500	21.9
03523050	Big Cedar Creek below Little Cedar Creek near Lebanon, Va.	36.921944	-82.052778	70.1
03524003	Unnamed mine drain to Laurel Branch near Carrie, Va.	37.010833	-82.218889	--
03524010	Dumps Creek at Route 600 near South Clinchfield, Va.	36.971111	-82.193056	7.04
03524030	Chaney Creek at Route 615 near South Clinchfield, Va.	36.952222	-82.212500	6.13
03524045	Unnamed mine drain to Right Fork near Dante, Va.	36.983056	-82.265278	--
03524048	Lick Creek at Hamlin, Va.	36.925833	-82.285556	20.1
03524050	Lick Creek at Route 628 at St. Paul, Va.	36.907778	-82.299722	27.2
03524300	Guest River at Route 625 near Stephens, Va.	36.976389	-82.621111	13.5

**Table 1.** Study sites and their identifying information—Continued

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Station number	Station description	Latitude (DD)	Longitude (DD)	Drainage area
<b>Partial-record stations</b>				
03524305	Unnamed mine drain to unnamed tributary to Sepulcher Creek near Stephens, Va.	36.990000	-82.586111	--
03524308	Rocky Fork at Route 625 near Stephens, Va.	36.980278	-82.614167	8.12
03524346	Bear Creek above Yellow Creek near Wise, Va.	36.955556	-82.578889	7.43
03524348	Yellow Creek along Route 681 near Wise, Va.	36.957778	-82.580556	4.93
03524445	Toms Creek above Little Toms Creek at Coeburn, Va.	36.942500	-82.468333	10.6
03524449	Little Toms Creek at mouth at Coeburn, Va.	36.942222	-82.469444	5.51
03524520	Crab Orchard Branch near Coeburn, Va.	36.914444	-82.435000	2.65
03524560	Davy Land Branch at Forest Road 700 near Dungannon, Va.	36.868611	-82.514722	1.02
03524570	Joel Branch at Forest Road 700 near Dungannon, Va.	36.867222	-82.502222	0.63
03524580	Corder Branch at Forest Road 700 near Dungannon, Va.	36.886111	-82.475556	1.89
03524590	Ramey Branch at Route 664 near Coeburn, Va.	36.892500	-82.475833	1.06
03524600	Laurel Branch at Forest Road 701 near Dungannon, Va.	36.878333	-82.466667	0.96
03524860	Coalpit Branch above Route 657 near Ka, Va.	36.825556	-82.613611	1.35
03524890	Devil Fork near Route 619 above mouth near Ka, Va.	36.819167	-82.630278	6.03
03525050	Cove Creek along Route 722 near Stanleytown, Va.	36.795000	-82.696944	4.57
03525060	Stinking Creek at Route 722 near Stanleytown, Va.	36.793611	-82.695278	1.04
03525070	Dry Creek near Route 602 near Stanleytown, Va.	36.782500	-82.706389	0.97
03525090	Cove Creek above Duncan Branch near Stanleytown, Va.	36.761944	-82.646111	20.7
03525150	Stock Creek off Forest Road 239 near Mabe, Va.	36.791111	-82.749444	2.46
03525170	Shupe Branch at Forest Road 239 near Mabe, Va.	36.787500	-82.740556	1.42
03525190	Laurel Fork at Route 653 at Mabe, Va.	36.760278	-82.734722	3.59
03525210	Dry Fork at Route 653 near Mabe, Va.	36.752500	-82.744167	1.9
03525300	Stock Creek at Route 650 near Natural Tunnel, Va.	36.718333	-82.750278	17.4
03525400	Stock Creek above Little Stock Creek at Clinchport, Va.	36.675833	-82.755833	23.1
03527480	North Fork Clinch River at Route 23 near Duffield, Va.	36.733889	-82.797500	16.1
03529173	Powell River below Benges Branch near Norton, Va.	36.930833	-82.662500	15.6
03529310	Roaring Fork above Route 603 at Dunbar, Va.	36.972778	-82.734722	8.7
03529404	Unnamed mine drain to Mud Lick Creek at Roda, Va.	36.965833	-82.835278	--
03529420	Callahan Creek at interstate railroad discharge at Andover, Va.	36.917500	-82.791389	27.7
03530550	North Fork Powell River above wastewater outfall at Pennington Gap, Va.	36.757500	-83.010556	84.1