Appendix D

Characteristics of Streams Surveyed within SHEN

Available data on streamwater ANC within SHEN are summarized in this appendix, along with locational information, site elevation, watershed area, and percent of watershed in the various geologic sensitivity classes. Locational and physical data are listed in Table D-1. Geological and chemical data are provided in Table D-2. Modeled sites are indicated with bold characters in the site identification column.

For some purposes in this report the site pairs, VT59/STAN, VT60/PINE, and VT35/PAIN, are treated as single sites. In these cases, routine monitoring, established at the first site, was continued at the second site when discharge gauges were installed. The paired sites, VT59/STAN and VT60/PINE, are in close proximity. The paired sites, VT35/PAIN are identical and only PAIN is listed in this Appendix.

Table D-1. Location and physical information for streams surveyed in SHEN.

Frequency[1]	Site ID[2]	Stream	Watershed	District	Elev[3]	Area[4]	UTM EW	UTM NS
Quarterly	**VT51**	Jeremys Run	Jeremys Run	North	930	21.97	727652	4288251
Survey	JR04	Jeremys Run	Jeremys Run	North	940	20.87	728093	4287965
Survey	JR02	Jeremys Run	Jeremys Run	North	980	0.83	728092	4288021
Survey	JR05	Jeremys Run	Jeremys Run	North	1080	20.11	728804	4287838
Survey	JR15	Jeremys Run	Jeremys Run	North	1090	0.71	730312	4288131
Survey	JR18	Jeremys Run	Jeremys Run	North	1090	1.25	729940	4287735
Survey	JR17	Jeremys Run	Jeremys Run	North	1090	15.79	730006	4287855
Survey	JR16	Jeremys Run	Jeremys Run	North	1100	14.62	730416	4288048
Survey	JR06	Jeremys Run	Jeremys Run	North	1140	18.15	729689	4287892
Survey	JR11	Jeremys Run	Jeremys Run	North	1180	12.95	730933	4288242
Survey	JR12	Jeremys Run	Jeremys Run	North	1190	1.21	730923	4288103
Survey	JR03	Jeremys Run	Jeremys Run	North	1200	0.28	728445	4288803
Survey	JR87	Jeremys Run	Jeremys Run	North	1320	11.85	731340	4288599
Survey	JR13	Jeremys Run	Jeremys Run	North	1330	0.62	731111	4287677
Survey	JR14	Jeremys Run	Jeremys Run	North	1330	0.35	730998	4287618
Survey	JR86	Jeremys Run	Jeremys Run	North	1390	0.56	731601	4289106
Survey	JR85	Jeremys Run	Jeremys Run	North	1390	10.30	731499	4289169
Survey	JR84	Jeremys Run	Jeremys Run	North	1450	9.41	731584	4289739
Survey	JR83	Jeremys Run	Jeremys Run	North	1570	8.11	731747	4290336
Survey	JR19	Jeremys Run	Jeremys Run	North	1580	0.44	729958	4287180
Survey	JR20	Jeremys Run	Jeremys Run	North	1590	0.41	730013	4287240
Survey	JR82	Jeremys Run	Jeremys Run	North	1670	7.12	731959	4290909
Survey	JR81	Jeremys Run	Jeremys Run	North	1730	6.01	732211	4291562
Survey	JR80	Jeremys Run	Jeremys Run	North	1820	5.56	732537	4292084
Survey	JR77	Jeremys Run	Jeremys Run	North	1880	3.26	733044	4292058
Survey	JR79	Jeremys Run	Jeremys Run	North	1900	1.43	733083	4291965
Survey	JR78	Jeremys Run	Jeremys Run	North	2040	2.69	733638	4292288
Survey	JR76	Jeremys Run	Jeremys Run	North	2310	1.96	733910	4292996
Survey	JR75	Jeremys Run	Jeremys Run	North	2540	1.03	734505	4293257

Table D-1. Continued.

Frequency[1]	Site ID[2]	Stream	Watershed	District	Elev[3]	Area[4]	UTM EW	UTM NS
Survey	WN02	Lands Run	Lands Run	North	1120	3.55	742616	4300590
Quarterly	**VT61**	North Fork Thornton River	North Fork Thornton River	North	1100	19.08	736982	4286022
Survey	TH02	North Fork Thornton River	North Fork Thornton River	North	1140	18.72	736798	4286102
Survey	TH03	North Fork Thornton River	North Fork Thornton River	North	1150	18.57	736617	4286191
Survey	TH04	North Fork Thornton River	North Fork Thornton River	North	1180	17.89	736246	4286419
Survey	TH11	North Fork Thornton River	North Fork Thornton River	North	1190	12.50	736061	4286517
Survey	TH05	North Fork Thornton River	North Fork Thornton River	North	1190	5.26	736127	4286431
Survey	TH12	North Fork Thornton River	North Fork Thornton River	North	1260	11.93	735680	4286949
Survey	TH07	North Fork Thornton River	North Fork Thornton River	North	1350	2.34	735060	4286197
Survey	TH30	North Fork Thornton River	North Fork Thornton River	North	1360	0.85	735150	4287712
Survey	TH06	North Fork Thornton River	North Fork Thornton River	North	1370	4.50	735270	4286242
Survey	TH27	North Fork Thornton River	North Fork Thornton River	North	1400	7.68	734636	4287811
Survey	TH09	North Fork Thornton River	North Fork Thornton River	North	1410	1.84	735146	4286107
Survey	TH29	North Fork Thornton River	North Fork Thornton River	North	1420	9.13	734694	4287682
Survey	TH28	North Fork Thornton River	North Fork Thornton River	North	1440	1.41	734584	4287714
Survey	TH10	North Fork Thornton River	North Fork Thornton River	North	1450	1.16	735020	4285648
Survey	TH08	North Fork Thornton River	North Fork Thornton River	North	1480	1.18	734312	4286383
Survey	TH24	North Fork Thornton River	North Fork Thornton River	North	1620	6.39	733955	4288486
Survey	TH25	North Fork Thornton River	North Fork Thornton River	North	1640	2.81	733790	4288491
Survey	TH23	North Fork Thornton River	North Fork Thornton River	North	1650	3.50	733869	4288594
Survey	TH26	North Fork Thornton River	North Fork Thornton River	North	1840	1.35	733074	4288212
Survey	TH22	North Fork Thornton River	North Fork Thornton River	North	1880	2.76	733642	4289402
Survey	TH21	North Fork Thornton River	North Fork Thornton River	North	1960	1.39	733649	4289752
Survey	TH20	North Fork Thornton River	North Fork Thornton River	North	1970	0.89	733581	4289740
Survey	WN01	Overall Run	Overall Run	North	690	10.41	731320	4297461
Quarterly	VT60	Piney River	Piney River	North	1140	12.59	737939	4286960
Weekly	**PINE**	Piney River	Piney River	North	1180	12.44	737523	4287155
Survey	PI03	Piney River	Piney River	North	1240	12.15	737501	4287198
Survey	PI02	Piney River	Piney River	North	1250	0.94	737350	4287363
Survey	PI04	Piney River	Piney River	North	1260	10.85	737109	4287446

Table D-1. Continued.

Frequency[1]	Site ID[2]	Stream	Watershed	District	Elev[3]	Area[4]	UTM EW	UTM NS
Survey	PI04	Piney River	Piney River	North	1260	10.85	737109	4287446
Survey	PI05	Piney River	Piney River	North	1320	9.86	736905	4287866
Survey	PI06	Piney River	Piney River	North	1420	8.68	736475	4288516
Survey	PI07	Piney River	Piney River	North	1540	7.44	736356	4289152
Survey	PI08	Piney River	Piney River	North	1620	6.46	735827	4289718
Survey	PI09	Piney River	Piney River	North	2180	3.62	735621	4291028
Survey	PI29	Piney River	Piney River	North	2280	0.40	735654	4291207
Survey	PI28	Piney River	Piney River	North	2520	2.99	735745	4291210
Survey	PI27	Piney River	Piney River	North	2520	2.16	736179	4291759
Survey	PI26	Piney River	Piney River	North	2550	1.41	736283	4291947
Survey	PI25	Piney River	Piney River	North	2780	0.68	736315	4291825
Survey	PI24	Piney River	Piney River	North	2800	0.42	736859	4292186
Survey	PI22	Piney River	Piney River	North	2800	0.67	736420	4292770
Survey	PI23	Piney River	Piney River	North	3000	0.23	736981	4292818
Survey	PI21	Piney River	Piney River	North	3140	0.08	736265	4293219
Survey	PI20	Piney River	Piney River	North	3230	0.08	736972	4293318
Survey	RA09	Rush River	Rush River	North	1280	2.14	740701	4292313
Survey	MA10	Berry Hollow	Berry Hollow	Central	1440	1.40	731636	4269703
Survey	PG09	Big Creek	Big Creek	Central	1740	3.51	719494	4259953
Survey	RA02	Bolton Branch	Bolton Branch	Central	1090	4.36	747377	4298770
Survey	RA07	Broad Hollow	Broad Hollow	Central	1180	2.35	737300	4275098
Quarterly	**VT58**	Brokenback Run	Brokenback Run	Central	1080	9.86	735102	4272372
Survey	MA04	Brokenback Run	Brokenback Run	Central	1080	9.84	735181	4272388
Survey	BB01	Brokenback Run	Brokenback Run	Central	1100	9.86	734833	4272338
Survey	BB02	Brokenback Run	Brokenback Run	Central	1160	0.78	734628	4272252
Survey	BB03	Brokenback Run	Brokenback Run	Central	1160	8.92	734645	4272393
Survey	BB04	Brokenback Run	Brokenback Run	Central	1320	8.14	734055	4272323
Survey	BB05	Brokenback Run	Brokenback Run	Central	1370	7.87	733852	4272058

Table D-1. Continued.

Frequency[1]	Site ID[2]	Stream	Watershed	District	Elev[3]	Area[4]	UTM EW	UTM NS
Survey	BB07	Brokenback Run	Brokenback Run	Central	1440	4.88	733706	4271972
Survey	BB06	Brokenback Run	Brokenback Run	Central	1490	2.42	733724	4271893
Survey	BB08	Brokenback Run	Brokenback Run	Central	1780	4.07	732999	4272433
Survey	BB09	Brokenback Run	Brokenback Run	Central	2050	2.98	732356	4272805
Survey	BB10	Brokenback Run	Brokenback Run	Central	2440	2.06	731575	4272989
Survey	BB11	Brokenback Run	Brokenback Run	Central	2680	1.09	730965	4272920
Survey	MA07	Cedar Run	Cedar Run	Central	1400	5.43	730203	4268452
Survey	GR03	Devils Ditch	Conway River	Central	1460	5.88	723745	4256431
Survey	GR05	Pocosin Hollow	Conway River	Central	1520	7.38	723527	4253556
Survey	GR02	Bootens Run	Conway River	Central	1720	2.07	723729	4258194
Survey	GR04	Bush Mountain Stream	Conway River	Central	1720	2.49	723630	4258088
Survey	GR01	Conway River (Upper Reach)	Conway River	Central	1940	5.09	723748	4258986
Survey	PG08	East Branch of Naked Creek	East Branch of Naked Creek	Central	1780	9.10	719673	4261628
Survey	PG05	Fultz Run	Fultz Run	Central	1170	5.89	712824	4264047
Survey	MA05	Hannah Run	Hannah Run	Central	1260	7.49	733964	4274404
Quarterly	**VT62**	Hazel River	Hazel River	Central	1080	13.24	738348	4277397
Survey	RA05	Hazel River	Hazel River	Central	1120	11.27	738171	4277525
Survey	HR20	Hazel River	Hazel River	Central	1140	11.05	738064	4277672
Survey	HR02	Hazel River	Hazel River	Central	1160	1.73	738074	4277421
Survey	HR21	Hazel River	Hazel River	Central	1280	10.48	737916	4278205
Survey	HR22	Hazel River	Hazel River	Central	1380	9.99	737671	4278559
Survey	HR23	Hazel River	Hazel River	Central	1450	9.25	737399	4279011
Survey	HR24	Hazel River	Hazel River	Central	1490	0.59	737314	4279098
Survey	HR25	Hazel River	Hazel River	Central	1500	8.55	737411	4279217
Survey	HR26	Hazel River	Hazel River	Central	1575	8.27	737013	4279571
Survey	HR03	Hazel River	Hazel River	Central	1700	1.34	737265	4277194
Survey	HR27	Hazel River	Hazel River	Central	1800	7.90	736410	4279484
Survey	HR28	Hazel River	Hazel River	Central	1830	3.15	736302	4279480

Table D-1. Continued.

Frequency[1]	Site ID[2]	Stream	Watershed	District	Elev[3]	Area[4]	UTM EW	UTM NS
Survey	HR29	Hazel River	Hazel River	Central	1880	4.67	736348	4279381
Survey	HR30	Hazel River	Hazel River	Central	2000	4.37	736035	4278852
Survey	HR04	Hazel River	Hazel River	Central	2000	0.78	736982	4277392
Survey	HR33	Hazel River	Hazel River	Central	2090	3.03	735780	4279449
Survey	HR07	Hazel River	Hazel River	Central	2180	1.37	735401	4278333
Survey	HR10	Hazel River	Hazel River	Central	2180	2.28	735337	4278475
Survey	HR08	Hazel River	Hazel River	Central	2200	2.20	735245	4278432
Survey	HR32	Hazel River	Hazel River	Central	2200	2.66	735460	4278992
Survey	HR09	Hazel River	Hazel River	Central	2210	1.96	734988	4278270
Survey	HR05	Hazel River	Hazel River	Central	2220	0.65	736819	4277649
Survey	HR31	Hazel River	Hazel River	Central	2300	1.92	734722	4279046
Survey	HR06	Hazel River	Hazel River	Central	2330	0.84	735581	4277775
Survey	HR11	Hazel River	Hazel River	Central	2440	1.25	734136	4279199
Survey	MA06	Hughes Run	Hughes Run	Central	1240	13.76	733901	4274400
Survey	GR08	Ivy Creek	Ivy Creek	Central	1300	7.02	707154	4239119
Survey	MA14	Kinsey Run	Kinsey Run	Central	1560	2.56	727326	4256535
Survey	MA02	Negro Run	Negro Run	Central	1500	3.43	730718	4270608
Weekly	**NFDR**	North Fork Dry Run	North Fork Dry Run	Central	1600	2.31	729933	4279183
Survey	NF01	North Fork Dry Run	North Fork Dry Run	Central	1620	2.17	729897	4279070
Survey	NF02	North Fork Dry Run	North Fork Dry Run	Central	1700	1.70	729933	4278796
Survey	NF03	North Fork Dry Run	North Fork Dry Run	Central	1820	1.41	730081	4278473
Survey	NF04	North Fork Dry Run	North Fork Dry Run	Central	1920	1.24	730195	4278299
Survey	NF05	North Fork Dry Run	North Fork Dry Run	Central	2180	1.01	730387	4278006
Survey	NF06	North Fork Dry Run	North Fork Dry Run	Central	2220	0.99	730433	4277961
Survey	NF07	North Fork Dry Run	North Fork Dry Run	Central	2260	0.44	730435	4277873
Survey	NF09	North Fork Dry Run	North Fork Dry Run	Central	2290	0.18	730521	4277866
Survey	NF10	North Fork Dry Run	North Fork Dry Run	Central	2340	0.16	730595	4277830
Survey	NF08	North Fork Dry Run	North Fork Dry Run	Central	2500	0.37	730310	4277639

Table D-1. Continued.

Frequency[1]	Site ID[2]	Stream	Watershed	District	Elev[3]	Area[4]	UTM EW	UTM NS
Survey	MA03	Ragged Run	Ragged Run	Central	1120	3.04	735507	4268139
Survey	MA16	Rapidan River	Rapidan River	Central	970	25.26	729559	4258134
Survey	MA13	Laurel Prong	Rapidan River	Central	2500	5.37	724901	4263174
Survey	MA12	Mill Prong	Rapidan River	Central	2540	4.34	724908	4263397
Quarterly	**VT66**	Rose River	Rose River	Central	1120	23.73	729550	4266066
Survey	RR01	Rose River	Rose River	Central	1120	23.74	729549	4266069
Survey	RR30	Rose River	Rose River	Central	1280	20.57	728812	4265696
Survey	RR21	Rose River	Rose River	Central	1360	18.80	728204	4265611
Survey	RR19	Rose River	Rose River	Central	1400	4.06	727835	4265518
Survey	RR07	Rose River	Rose River	Central	1560	13.34	727455	4266147
Survey	RR16	Rose River	Rose River	Central	1660	3.32	727219	4265193
Survey	RR06	Rose River	Rose River	Central	1830	10.87	726693	4266716
Survey	RR17	Rose River	Rose River	Central	1900	1.15	726529	4264792
Survey	RR05	Rose River	Rose River	Central	2120	9.90	726085	4267073
Survey	RR04	Rose River	Rose River	Central	2180	4.38	725928	4267399
Survey	RR03	Rose River	Rose River	Central	2180	3.34	725793	4267829
Survey	RR18	Rose River	Rose River	Central	2210	0.40	727007	4264842
Survey	RR15	Rose River	Rose River	Central	2520	4.09	725654	4267202
Survey	RR14	Rose River	Rose River	Central	2540	3.19	725070	4266824
Survey	RR02	Rose River	Rose River	Central	2580	2.70	725841	4268376
Survey	RR11	Rose River	Rose River	Central	2870	2.24	724642	4266442
Survey	RR13	Rose River	Rose River	Central	3160	0.73	724407	4266157
Survey	RR12	Rose River	Rose River	Central	3220	0.91	724424	4266299
Survey	RA06	Sams Run	Sams Run	Central	1160	1.89	738136	4277455
Survey	GR07	South River	South River	Central	1760	4.81	718798	4250506
Quarterly	VT59	Staunton River	Staunton River	Central	1010	10.50	729380	4258243
Weekly	**STAN**	Staunton River	Staunton River	Central	1010	10.50	729396	4258233
Survey	SR01	Staunton River	Staunton River	Central	1030	10.50	729380	4258243

Table D-1. Continued.

Frequency[1]	Site ID[2]	Stream	Watershed	District	Elev[3]	Area[4]	UTM EW	UTM NS
Survey	SR02	Staunton River	Staunton River	Central	1320	10.15	729072	4258302
Survey	SR03	Staunton River	Staunton River	Central	1340	8.34	728978	4258370
Survey	SR06	Staunton River	Staunton River	Central	1340	0.35	728486	4258305
Survey	SR04	Staunton River	Staunton River	Central	1350	1.75	728961	4258294
Survey	SR18	Staunton River	Staunton River	Central	1360	0.06	728617	4258725
Survey	SR07	Staunton River	Staunton River	Central	1420	7.50	728723	4259103
Survey	SR08	Staunton River	Staunton River	Central	1550	6.75	728390	4259560
Survey	SR05	Staunton River	Staunton River	Central	1620	0.73	728177	4258043
Survey	SR09	Staunton River	Staunton River	Central	1900	0.19	727672	4259808
Survey	SR11	Staunton River	Staunton River	Central	2140	1.00	726808	4259595
Survey	SR13	Staunton River	Staunton River	Central	2200	0.40	726718	4259562
Survey	SR14	Staunton River	Staunton River	Central	2220	3.37	726711	4259652
Survey	SR15	Staunton River	Staunton River	Central	2380	2.50	726028	4260028
Survey	SR16	Staunton River	Staunton River	Central	2510	0.25	725878	4260102
Survey	SR17	Staunton River	Staunton River	Central	2870	1.21	725257	4260562
Survey	MA17	Whiteoak Canyon (Robinson River)	Whiteoak Canyon (Robinson River)	Central	1120	14.10	730986	4268888
Quarterly	**VT75**	Whiteoak Canyon (Robinson River)	Whiteoak Canyon (Robinson River)	Central	1160	14.08	730905	4268968
Survey	WO02	Whiteoak Canyon (Robinson River)	Whiteoak Canyon (Robinson River)	Central	1280	12.00	730614	4269771
Survey	WO04	Whiteoak Canyon (Robinson River)	Whiteoak Canyon (Robinson River)	Central	1450	11.23	730730	4270476
Survey	WO05	Whiteoak Canyon (Robinson River)	Whiteoak Canyon (Robinson River)	Central	1485	3.33	730715	4270617
Survey	WO03	Whiteoak Canyon (Robinson River)	Whiteoak Canyon (Robinson River)	Central	1490	7.87	730654	4270569
Survey	MA01	Whiteoak Canyon (Robinson River)	Whiteoak Canyon (Robinson River)	Central	1540	7.85	730643	4270577
Survey	WO06	Whiteoak Canyon (Robinson River)	Whiteoak Canyon (Robinson River)	Central	2060	2.87	730837	4271345
Survey	WO20	Whiteoak Canyon (Robinson River)	Whiteoak Canyon (Robinson River)	Central	2260	6.89	730045	4271107
Survey	WO07	Whiteoak Canyon (Robinson River)	Whiteoak Canyon (Robinson River)	Central	2420	1.39	730646	4272174
Survey	WO21	Whiteoak Canyon (Robinson River)	Whiteoak Canyon (Robinson River)	Central	2700	4.45	729523	4271694
Survey	WO22	Whiteoak Canyon (Robinson River)	Whiteoak Canyon (Robinson River)	Central	2920	3.83	729219	4272304
Survey	WO23	Whiteoak Canyon (Robinson River)	Whiteoak Canyon (Robinson River)	Central	3080	3.49	729031	4272765

Table D-1. Continued.

Frequency[1]	Site ID[2]	Stream	Watershed	District	Elev[3]	Area[4]	UTM EW	UTM NS
Survey	WO25	Whiteoak Canyon (Robinson River)	Whiteoak Canyon (Robinson River)	Central	3110	2.35	728973	4272917
Survey	WO24	Whiteoak Canyon (Robinson River)	Whiteoak Canyon (Robinson River)	Central	3130	0.89	728917	4272823
Survey	WO26	Whiteoak Canyon (Robinson River)	Whiteoak Canyon (Robinson River)	Central	3160	2.13	728941	4273082
Survey	WO28	Whiteoak Canyon (Robinson River)	Whiteoak Canyon (Robinson River)	Central	3200	2.02	728788	4273217
Survey	WO27	Whiteoak Canyon (Robinson River)	Whiteoak Canyon (Robinson River)	Central	3240	1.11	728816	4273323
Survey	WO30	Whiteoak Canyon (Robinson River)	Whiteoak Canyon (Robinson River)	Central	3260	0.55	728582	4273306
Survey	WO29	Whiteoak Canyon (Robinson River)	Whiteoak Canyon (Robinson River)	Central	3295	0.29	728581	4273226
Survey	RH51	Bearwallow Run	Bearwallow Run	South	1300	2.55	702490	4243656
Survey	RH48	Big Run (Lower Reach)	Big Run	South	1220	28.05	700744	4242055
Survey	RH50	Rocky Mountain Run	Big Run	South	1340	8.34	701415	4239995
Survey	RH49	Big Run (Upper Reach)	Big Run	South	1340	14.92	701398	4239982
Weekly	**DR01**	Deep Run	Deep Run	South	1360	3.12	695591	4238919
Survey	AB06	Doyle River	Doyle River	South	1460	5.45	701825	4233751
Survey	AB07	Jones Run	Jones Run	South	1460	4.55	701746	4233666
Survey	RH47	Lower Lewis Run	Lower Lewis Run	South	1340	2.90	698203	4241434
Quarterly	**MAD2**	Madison Run	Madison Run	South	1460	5.15	697162	4235896
Survey	AU02	Meadow Run	Meadow Run	South	1480	8.95	691714	4225474
Quarterly	**VT36**	Meadow Run	Meadow Run	South	1480	8.86	691758	4225462
Survey	MR01	Meadow Run	Meadow Run	South	1510	8.86	691759	4225463
Survey	MR17	Meadow Run	Meadow Run	South	1600	8.11	692900	4225947
Survey	MR11	Meadow Run	Meadow Run	South	1640	6.67	692958	4226043
Survey	MR12	Meadow Run	Meadow Run	South	1640	1.41	692985	4225926
Survey	MR10	Meadow Run	Meadow Run	South	1700	1.29	693172	4226210
Survey	MR09	Meadow Run	Meadow Run	South	1700	5.23	693129	4226294
Survey	MR16	Meadow Run	Meadow Run	South	1800	1.00	693516	4225613
Survey	MR18	Meadow Run	Meadow Run	South	1880	8.51	692496	4225694
Survey	MR08	Meadow Run	Meadow Run	South	1920	4.49	693404	4227008
Survey	MR13	Meadow Run	Meadow Run	South	1950	1.03	693694	4225991

Table D-1. Continued.

Frequency[1]	Site ID[2]	Stream	Watershed	District	Elev[3]	Area[4]	UTM EW	UTM NS
Survey	MR06	Meadow Run	Meadow Run	South	1960	3.12	693512	4227017
Survey	MR07	Meadow Run	Meadow Run	South	1960	1.24	693499	4227164
Survey	MR15	Meadow Run	Meadow Run	South	2050	0.51	694098	4225637
Survey	MR05	Meadow Run	Meadow Run	South	2060	2.66	694267	4227050
Survey	MR14	Meadow Run	Meadow Run	South	2150	0.64	694272	4225993
Survey	MR04	Meadow Run	Meadow Run	South	2160	1.90	694718	4227333
Survey	MR02	Meadow Run	Meadow Run	South	2175	1.27	694814	4227429
Survey	MR03	Meadow Run	Meadow Run	South	2175	0.50	694810	4227321
Survey	AB09	Pond Ridge Branch of Mormans River	Mormans River	South	1040	2.96	697017	4223567
Survey	AB01	NF of Mormans River(lower Reach)	Mormans River	South	1040	26.09	697129	4223849
Survey	AB08	South Fork of Mormans River	Mormans River	South	1100	12.59	696615	4222643
Survey	AB05	Big Branch of Mormans River	Mormans River	South	1460	3.64	697493	4226388
Survey	AB04	NF Mormans River (Upper Reach)	Mormans River	South	1820	6.59	698839	4230351
Survey	AB02	NF Mormans River (Blackrock Gap)	Mormans River	South	1880	2.10	697976	4229654
Survey	RH52	Onemile Run	Onemile Run	South	1380	4.26	702654	4243570
Weekly	**PAIN**	Paine Run	Paine Run	South	1390	12.39	693243	4229927
Survey	PR02	Paine Run	Paine Run	South	1400	12.28	693534	4229863
Survey	PR03	Paine Run	Paine Run	South	1440	10.34	693589	4229817
Survey	PR06	Paine Run	Paine Run	South	1440	9.28	693708	4229596
Survey	PR04	Paine Run	Paine Run	South	1440	10.27	693632	4229707
Survey	PR07	Paine Run	Paine Run	South	1480	9.09	694059	4229494
Survey	PR08	Paine Run	Paine Run	South	1480	8.24	694162	4229461
Survey	PR05	Paine Run	Paine Run	South	1480	0.95	693606	4229610
Survey	PR12	Paine Run	Paine Run	South	1510	7.43	694640	4229680
Survey	PR11	Paine Run	Paine Run	South	1510	7.75	694538	4229631
Survey	PR09	Paine Run	Paine Run	South	1520	0.68	694079	4229369
Survey	PR15	Paine Run	Paine Run	South	1540	7.18	694958	4229830
Survey	PR16	Paine Run	Paine Run	South	1550	6.21	695057	4229840

Table D-1. Continued.

Frequency[1]	Site ID[2]	Stream	Watershed	District	Elev[3]	Area[4]	UTM EW	UTM NS
Survey	PR10	Paine Run	Paine Run	South	1560	0.18	694428	4229467
Survey	PR38	Paine Run	Paine Run	South	1560	0.88	694434	4230709
Survey	PR19	Paine Run	Paine Run	South	1580	5.80	695385	4229812
Survey	PR24	Paine Run	Paine Run	South	1580	4.08	695499	4229980
Survey	PR18	Paine Run	Paine Run	South	1600	0.91	695041	4230005
Survey	PR13	Paine Run	Paine Run	South	1600	0.25	694670	4229513
Survey	PR21	Paine Run	Paine Run	South	1600	1.15	695509	4229769
Survey	PR25	Paine Run	Paine Run	South	1640	0.44	695683	4229919
Survey	PR14	Paine Run	Paine Run	South	1640	0.24	695201	4229650
Survey	PR27	Paine Run	Paine Run	South	1670	1.88	695935	4230481
Survey	PR28	Paine Run	Paine Run	South	1720	0.28	696003	4230359
Survey	PR17	Paine Run	Paine Run	South	1720	0.55	695055	4230622
Survey	PR29	Paine Run	Paine Run	South	1720	2.52	696385	4230964
Survey	PR30	Paine Run	Paine Run	South	1750	1.96	696494	4231005
Survey	PR20	Paine Run	Paine Run	South	1780	0.50	695799	4229190
Survey	PR32	Paine Run	Paine Run	South	1840	1.67	696790	4231262
Survey	PR31	Paine Run	Paine Run	South	1840	0.52	696388	4231118
Survey	PR26	Paine Run	Paine Run	South	1860	3.78	695846	4230375
Survey	PR33	Paine Run	Paine Run	South	1925	1.31	696900	4231761
Survey	PR36	Paine Run	Paine Run	South	1970	0.06	696763	4231066
Survey	PR34	Paine Run	Paine Run	South	2000	0.36	696839	4231855
Survey	PR35	Paine Run	Paine Run	South	2000	0.87	696956	4231867
Survey	AU12	Sawmill Run	Sawmill Run	South	1520	6.18	604510	4217237
Quarterly	**VT53**	Twomile Run	Twomile Run	South	1220	5.56	703527	4245225
Survey	TM12	Twomile Run	Twomile Run	South	1270	5.03	703899	4244635
Survey	TM10	Twomile Run	Twomile Run	South	1340	3.58	704438	4244174
Survey	TM09	Twomile Run	Twomile Run	South	1425	0.79	704444	4244360
Survey	TM07	Twomile Run	Twomile Run	South	1440	3.09	704677	4243829

Table D-1. Continued.

Frequency[1]	Site ID[2]	Stream	Watershed	District	Elev[3]	Area[4]	UTM EW	UTM NS
Survey	TM05	Twomile Run	Twomile Run	South	1520	2.23	705206	4243527
Survey	TM04	Twomile Run	Twomile Run	South	1660	1.45	705478	4242795
Survey	TM03	Twomile Run	Twomile Run	South	1680	0.80	705485	4242630
Survey	TM02	Twomile Run	Twomile Run	South	1680	0.59	705577	4242654
Weekly	**WOR1**	White Oak Run	White Oak Run	South	1480	5.13	696960	4235772
Survey	WR02	White Oak Run	White Oak Run	South	1520	4.71	697296	4235290
Survey	WR03	White Oak Run	White Oak Run	South	1540	4.56	697390	4235185
Weekly	LUCK	White Oak Run	White Oak Run	South	1560	1.96	697418	4234929
Weekly	WOR3	White Oak Run	White Oak Run	South	1560	2.43	697496	4234955
Survey	WR04	White Oak Run	White Oak Run	South	1580	4.48	697458	4235023
Survey	WR06	White Oak Run	White Oak Run	South	1580	2.43	697470	4234973
Survey	WR07	White Oak Run	White Oak Run	South	1620	2.30	697688	4234790
Survey	WR08	White Oak Run	White Oak Run	South	1690	1.99	697746	4234407
Survey	WR09	White Oak Run	White Oak Run	South	1840	1.16	698100	4233971
Survey	WR10	White Oak Run	White Oak Run	South	1840	1.66	698052	4234108

[1] FREQUENCY = Sampling frequency: Weekly (may include higher frequency episode sampling), Quarterly (January, April, July, October), or Survey (occasional).
[2] Bold indicates primary site
[3] Elev = Feet above MSL for sampling site. Based on 1:24,000-scale USGS topographic maps.
[4] Area = Watershed area (km^2). Based on 1:24,000-scale USGS topographic maps.

Table D-2. Geological and chemical information for streams surveyed in SHEN.

Site ID [a]	GEO[b]	Silic.[c]	Gran.[d]	Basa.[e]	Min Date[f]	Max Date[g]	Cold ANC[h]	Cold n[i]	Warm ANC[j]	Warm n[k]
VT51	A	31.00	0.00	68.97	4/25/87	7/31/01	143.3	30	295.2	29
JR04	A	28.80	0.00	71.20	3/20/92	3/20/92	114.5	1		
JR02	A	90.60	0.00	9.40	3/20/92	3/20/92	16.2	1		
JR05	A	28.20	0.00	71.80	3/20/92	3/20/92	111.2	1		
JR15	A	50.00	0.00	50.00	3/20/92	3/20/92	101.9	1		
JR18	A	57.10	0.00	42.90	3/20/92	3/20/92	22.8	1		
JR17	A	18.40	0.00	81.60	3/20/92	3/20/92	121.2	1		
JR16	A	17.50	0.00	82.50	3/20/92	3/20/92	120.0	1		
JR06	A	24.40	0.00	75.60	3/20/92	3/20/92	112.0	1		
JR11	A	16.00	0.00	84.00	3/20/92	3/20/92	126.7	1		
JR12	A	39.10	0.00	60.90	3/20/92	3/20/92	41.1	1		
JR03	A	100.00	0.00	0.00	3/20/92	3/20/92	12.8	1		
JR87	A	15.70	0.00	84.30	3/20/92	3/20/92	129.4	1		
JR13	A	54.20	0.00	45.80	3/20/92	3/20/92	29.5	1		
JR14	A	38.50	0.00	61.50	3/20/92	3/20/92	31.2	1		
JR86	A	52.40	0.00	47.60	3/20/92	3/20/92	38.7	1		
JR85	A	13.40	0.00	86.60	3/20/92	3/20/92	134.5	1		
JR84	A	12.70	0.00	87.30	3/20/92	3/20/92	134.5	1		
JR83	A	9.30	0.00	90.70	3/20/92	3/20/92	138.7	1		
JR19	A	94.10	0.00	5.90	3/20/92	3/20/92	8.7	1		
JR20	A	60.00	0.00	40.00	3/20/92	3/20/92	12.8	1		
JR82	A	6.20	0.00	93.80	3/20/92	3/20/92	136.1	1		
JR81	A	1.30	0.00	98.70	3/20/92	3/20/92	146.1	1		
JR80	A	0.50	0.00	99.50	3/20/92	3/20/92	146.7	1		
JR77	A	0.00	0.00	100.00	3/20/92	3/20/92	165.4	1		
JR79	A	0.00	0.00	100.00	3/20/92	3/20/92	131.2	1		
JR78	A	0.00	0.00	100.00	3/20/92	3/20/92	176.9	1		
JR76	A	0.00	0.00	100.00	3/20/92	3/20/92	226.7	1		
JR75	A	0.00	0.00	100.00	3/20/92	3/20/92	220.4	1		
WN02	B	0.00	87.35	9.75	4/26/87	4/24/00	154.1	2		
VT61	A	5.18	27.02	67.79	4/26/87	7/30/01	219.8	30	354.3	28
TH02	A	5.30	26.30	68.50	3/16/92	3/16/92	174.4	1		
TH03	A	5.30	25.70	69.00	3/16/92	3/16/92	174.4	1		
TH04	A	5.50	23.20	71.30	3/16/92	3/16/92	169.4	1		
TH11	A	7.90	10.80	81.40	3/16/92	3/16/92	188.6	1		
TH05	A	0.00	50.70	49.30	3/16/92	3/16/92	141.9	1		
TH12	A	8.20	6.50	85.20	3/16/92	3/16/92	185.4	1		
TH07	A	0.00	22.00	78.00	3/16/92	3/16/92	153.6	1		
TH30	A	0.00	0.00	100.00	3/16/92	3/16/92	186.1	1		
TH06	A	0.00	42.20	57.80	3/16/92	3/16/92	136.1	1		
TH27	A	12.80	0.00	87.20	3/16/92	3/16/92	158.5	1		
TH09	A	0.00	59.20	40.80	3/16/92	3/16/92	106.9	1		
TH29	A	10.80	0.00	89.20	3/16/92	3/16/92	165.5	1		
TH28	A	0.00	0.00	100.00	3/16/92	3/16/92	155.4	1		

Table D-2. Continued.

Site ID [a]	GEO[b]	Silic.[c]	Gran.[d]	Basa.[e]	Min Date[f]	Max Date[g]	Cold ANC[h]	Cold n[i]	Warm ANC[j]	Warm n[k]
TH10	A	0.00	68.90	31.10	3/16/92	3/16/92	105.3	1		
TH08	A	0.00	0.00	100.00	3/16/92	3/16/92	181.1	1		
TH24	A	15.40	0.00	84.60	3/16/92	3/16/92	166.9	1		
TH25	A	23.10	0.00	76.90	3/16/92	3/16/92	154.2	1		
TH23	A	8.90	0.00	91.10	3/16/92	3/16/92	166.1	1		
TH26	A	33.30	0.00	66.70	3/16/92	3/16/92	80.4	1		
TH22	A	8.50	0.00	91.50	3/16/92	3/16/92	93.7	1		
TH21	A	0.00	0.00	100.00	3/16/92	3/16/92	142.9	1		
TH20	A	26.50	0.00	73.50	3/16/92	3/16/92	61.9	1		
WN01	B	15.07	16.80	68.13	4/26/87	4/24/00	263.5	2		
VT60	B	0.00	41.29	58.71	4/26/87	4/27/00	163.6	19	292.3	16
PINE	A	0.00	31.27	68.73	9/1/92	9/26/01	166.4	504	245.9	530
PI03	A	0.00	29.90	70.10	3/17/92	6/7/95	158.1	3	285.8	4
PI02	A	0.00	100.00	0.00	3/17/92	6/7/95	132.2	3	202.2	3
PI04	A	0.00	21.50	78.50	3/17/92	6/7/95	157.9	3	293.4	4
PI05	A	0.00	17.60	82.40	3/17/92	6/7/95	156.6	3	272.7	3
PI06	A	0.00	12.50	87.50	3/17/92	6/7/95	134.8	3	259.2	4
PI07	A	0.00	14.60	85.40	3/17/92	6/7/95	125.8	3	245.6	4
PI08	A	0.00	16.90	83.10	3/17/92	6/7/95	122.4	3	228.3	4
PI09	A	0.00	30.00	70.00	3/17/92	6/7/95	102.9	3	184.2	4
PI29	A	0.00	0.00	100.00	3/17/92	6/7/95	151.4	3	281.6	3
PI28	A	0.00	36.50	63.50	3/17/92	6/7/95	88.6	3	151.0	4
PI27	A	0.00	50.60	49.40	3/17/92	6/7/95	64.7	3	118.3	4
PI26	A	0.00	50.90	49.10	3/17/92	6/7/95	61.2	3	106.1	4
PI25	A	0.00	53.80	46.20	3/17/92	6/7/95	92.8	3	127.3	3
PI24	A	0.00	82.40	17.60	3/17/92	10/28/94	31.4	3	81.9	2
PI22	A	0.00	96.20	3.80	3/17/92	6/7/95	27.9	3	63.1	4
PI23	A	0.00	100.00	0.00	3/17/92	10/28/94	33.1	3	57.8	2
PI21	A	0.00	100.00	0.00	3/17/92	6/7/95	45.5	3	57.5	1
PI20	A	0.00	100.00	0.00	3/17/92	6/7/95	46.1	3	46.0	4
RA09	B	0.00	0.00	100.00	4/25/87	4/27/00	185.0	2		
MA10	B	0.00	100.00	0.00	4/25/87	4/24/00	40.0	2		
PG09	B	24.32	0.01	75.67	4/25/87	4/26/00	121.4	2		
RA02	B	0.00	86.09	7.83	4/25/87	4/26/00	107.9	2		
RA07	B	0.00	100.00	0.00	4/26/87	4/29/00	49.3	2		
VT58	A	0.00	93.41	6.59	8/12/87	7/31/01	67.3	29	110.0	29
MA04	B	0.00	94.24	5.76	4/26/87	4/29/00	51.6	2		
BB01	A	0.00	93.40	6.60	3/18/92	10/10/94	55.3	3	113.4	3
BB02	A	0.00	100.00	0.00	3/18/92	10/10/94	40.3	2	75.0	3
BB03	A	0.00	92.70	7.30	3/18/92	10/10/94	56.3	2	115.6	3
BB04	A	0.00	92.00	8.00	3/18/92	10/10/94	51.2	2	105.5	3
BB05	A	0.00	91.80	8.20	3/18/92	10/10/94	52.8	2	104.9	3

Table D-2. Continued.

Site ID [a]	GEO[b]	Silic.[c]	Gran.[d]	Basa.[e]	Min Date[f]	Max Date[g]	Cold ANC[h]	Cold n[i]	Warm ANC[j]	Warm n[k]
BB07	A	0.00	86.70	13.30	3/18/92	10/10/94	51.1	2	99.3	3
BB06	A	0.00	100.00	0.00	3/18/92	10/10/94	50.6	2	95.1	3
BB08	A	0.00	84.10	15.90	3/18/92	10/10/94	50.8	2	100.9	3
BB09	A	0.00	78.30	21.70	3/18/92	10/10/94	50.8	2	102.3	3
BB10	A	0.00	68.80	31.30	3/18/92	10/10/94	52.4	2	99.4	3
BB11	A	0.00	45.20	54.80	3/18/92	10/10/94	73.6	2	136.8	3
MA07	B	0.00	0.00	100.00	4/25/87	4/29/00	114.1	2		
GR03	B	0.00	89.96	4.35	4/25/87	4/24/00	53.6	2		
GR05	B	0.00	80.68	19.03	5/2/87	4/24/00	123.9	2		
GR02	B	0.00	100.00	0.00	4/26/87	4/24/00	61.0	2		
GR04	B	0.00	91.75	3.14	4/26/87	4/24/00	48.5	2		
GR01	B	0.00	90.91	9.10	4/26/87	4/24/00	83.2	2		
PG08	B	16.11	0.00	83.89	4/25/87	4/26/00	130.5	2		
PG05	B	79.87	9.00	11.13	4/25/87	4/26/00	30.8	2		
MA05	B	0.00	100.00	0.00	4/26/87	4/29/00	71.0	2		
VT62	A	0.00	100.00	0.00	8/12/87	7/30/01	76.1	28	116.2	29
RA05	B	0.00	100.00	0.00	4/26/87	4/29/00	74.1	2		
HR20	A	0.00	100.00	0.00	3/21/92	3/21/92	72.5	1		
HR02	A	0.00	100.00	0.00	3/21/92	3/21/92	53.3	1		
HR21	A	0.00	100.00	0.00	3/21/92	3/21/92	71.2	1		
HR22	A	0.00	100.00	0.00	3/21/92	3/21/92	68.7	1		
HR23	A	0.00	100.00	0.00	3/21/92	3/21/92	66.9	1		
HR24	A	0.00	100.00	0.00	3/21/92	3/21/92	63.7	1		
HR25	A	0.00	100.00	0.00	3/21/92	3/21/92	67.0	1		
HR26	A	0.00	100.00	0.00	3/21/92	3/21/92	64.4	1		
HR03	A	0.00	100.00	0.00	3/21/92	3/21/92	46.9	1		
HR27	A	0.00	100.00	0.00	3/21/92	3/21/92	61.9	1		
HR28	A	0.00	100.00	0.00	3/21/92	3/21/92	54.4	1		
HR29	A	0.00	100.00	0.00	3/21/92	3/21/92	66.2	1		
HR30	A	0.00	100.00	0.00	3/21/92	3/21/92	67.0	1		
HR04	A	0.00	100.00	0.00	3/21/92	3/21/92	53.7	1		
HR33	A	0.00	100.00	0.00	3/21/92	3/21/92	58.7	1		
HR07	A	0.00	100.00	0.00	3/21/92	3/21/92	69.5	1		
HR10	A	0.00	100.00	0.00	3/21/92	3/21/92	71.9	1		
HR08	A	0.00	100.00	0.00	3/21/92	3/21/92	66.1	1		
HR32	A	0.00	100.00	0.00	3/21/92	3/21/92	50.4	1		
HR09	A	0.00	100.00	0.00	3/21/92	3/21/92	58.7	1		
HR05	A	0.00	100.00	0.00	3/21/92	3/21/92	56.2	1		
HR31	A	0.00	100.00	0.00	3/21/92	3/21/92	45.4	1		
HR06	A	0.00	100.00	0.00	3/21/92	3/21/92	73.7	1		
HR11	A	0.00	100.00	0.00	3/21/92	3/21/92	43.8	1		
MA06	B	0.00	90.19	9.81	4/26/87	4/29/00	82.7	2		

Table D-2. Continued.

Site ID [a]	GEO[b]	Silic.[c]	Gran.[d]	Basa.[e]	Min Date[f]	Max Date[g]	Cold ANC[h]	Cold n[i]	Warm ANC[j]	Warm n[k]
GR08	B	26.16	0.74	73.11	4/26/87	4/29/00	112.4	2		
MA14	B	0.00	100.00	0.00	4/26/87	4/29/00	82.0	2		
MA02	B	0.00	22.06	77.95	4/25/89	4/24/00	95.3	2		
NFDR	A	0.00	100.00	0.00	3/12/87	9/26/01	50.6	357	82.1	372
NF01	A	0.00	100.00	0.00	7/6/92	10/31/94	40.4	1	85.6	3
NF02	A	0.00	100.00	0.00	7/6/92	10/31/94	32.8	1	77.7	3
NF03	A	0.00	100.00	0.00	7/6/92	10/31/94	28.7	1	62.3	3
NF04	A	0.00	100.00	0.00	7/6/92	10/31/94	26.1	1	56.1	3
NF05	A	0.00	100.00	0.00	7/6/92	10/31/94	26.2	1	49.8	3
NF06	A	0.00	100.00	0.00	7/6/92	10/31/94	23.7	1	40.1	3
NF07	A	0.00	100.00	0.00	7/6/92	10/31/94	16.9	1	26.7	3
NF09	A	0.00	100.00	0.00	7/6/92	4/23/94	33.7	1	69.5	2
NF10	A	0.00	100.00	0.00	7/6/92	4/23/94	30.3	1	53.7	1
NF08	A	0.00	100.00	0.00	7/6/92	10/31/94			25.8	2
MA03	B	0.00	100.00	0.00	4/26/87	4/24/00	61.7	2		
MA16	B	0.00	69.51	30.50	4/26/87	4/26/00	96.6	2		
MA13	B	0.00	56.29	43.71	4/25/87	4/24/00	56.6	2		
MA12	B	0.00	0.00	100.00	4/25/87	4/24/00	108.0	2		
VT66	A	0.00	9.05	90.95	4/25/87	7/31/01	121.1	30	180.7	27
RR01	A	0.00	9.20	90.80	3/14/92	3/14/92	104.5	1		
RR30	A	0.00	7.80	92.20	3/14/92	3/14/92	85.7	1		
RR21	A	0.00	0.00	0.00	3/14/92	3/14/92	93.7	1		
RR19	A	0.00	2.40	97.60	3/14/92	3/14/92	85.4	1		
RR07	A	0.00	8.20	91.80	3/14/92	3/14/92	92.8	1		
RR16	A	0.00	3.10	96.90	3/14/92	3/14/92	86.9	1		
RR06	A	0.00	10.00	90.00	3/14/92	3/14/92	92.0	1		
RR17	A	0.00	0.00	100.00	3/14/92	3/14/92	33.7	1		
RR05	A	0.00	11.00	89.00	3/14/92	3/14/92	96.2	1		
RR04	A	0.00	5.30	94.70	3/14/92	3/14/92	83.7	1		
RR03	A	0.00	7.00	93.00	3/14/92	3/14/92	83.7	1		
RR18	A	0.00	66.70	33.30	3/14/92	3/14/92	98.6	1		
RR15	A	0.00	12.70	87.30	3/14/92	3/14/92	87.8	1		
RR14	A	0.00	4.00	96.00	3/14/92	3/14/92	101.2	1		
RR02	A	0.00	8.70	91.30	3/14/92	3/14/92	77.8	1		
RR11	A	0.00	0.00	100.00	3/14/92	3/14/92	103.7	1		
RR13	A	0.00	0.00	100.00	3/14/92	3/14/92	65.3	1		
RR12	A	0.00	0.00	100.00	3/14/92	3/14/92	164.4	1		
RA06	B	0.00	100.00	0.00	4/26/87	4/29/00	68.8	2		
GR07	B	0.00	0.00	100.00	4/26/87	4/29/00	148.1	2		
VT59	B	0.00	100.00	0.00	4/26/87	4/27/95	69.4	18	104.4	16
STAN	A	0.00	100.00	0.00	9/1/92	9/25/01	68.9	426	87.2	595
SR01	A	0.00	100.00	0.00	3/15/92	11/18/99	72.2	6	86.8	8

Table D-2. Continued.

Site ID [a]	GEO[b]	Silic.[c]	Gran.[d]	Basa.[e]	Min Date[f]	Max Date[g]	Cold ANC[h]	Cold n[i]	Warm ANC[j]	Warm n[k]
SR02	A	0.00	100.00	0.00	3/15/92	12/8/00	73.0	8	90.3	7
SR03	A	0.00	100.00	0.00	3/15/92	12/8/00	74.2	8	89.8	7
SR06	A	0.00	100.00	0.00	3/15/92	10/5/94	49.8	2	98.7	1
SR04	A	0.00	100.00	0.00	3/15/92	4/19/00	55.6	6	87.6	6
SR18	A	0.00	100.00	0.00	3/15/92	12/8/00	84.9	7	83.0	3
SR07	A	0.00	100.00	0.00	3/15/92	12/8/00	75.7	7	90.1	7
SR08	A	0.00	100.00	0.00	3/15/92	12/8/00	74.9	7	85.7	6
SR05	A	0.00	100.00	0.00	3/15/92	5/17/99	61.5	5	76.6	7
SR09	A	0.00	0.00	0.00	3/15/92	12/8/00	71.5	8	87.2	7
SR11	A	0.00	100.00	0.00	3/15/92	12/8/00	56.0	8	71.5	7
SR13	A	0.00	100.00	0.00	3/15/92	12/8/00	67.5	8	81.3	7
SR14	A	0.00	100.00	0.00	3/15/92	12/8/00	69.8	8	85.4	7
SR15	A	0.00	100.00	0.00	3/15/92	12/8/00	63.0	8	74.2	7
SR16	A	0.00	100.00	0.00	3/15/92	12/8/00	66.8	8	77.5	5
SR17	A	0.00	100.00	0.00	3/15/92	12/8/00	57.2	8	67.4	7
MA17	B	0.00	14.41	85.59	4/25/87	4/29/00	107.5	2		
VT75	A	0.00	14.10	85.90	7/31/90	7/31/01	106.6	22	169.2	23
WO02	A	0.00	14.50	83.20	3/19/92	7/15/92	86.2	1	170.4	1
WO04	A	0.00	13.90	83.60	3/19/92	7/15/92	86.2	1	172.0	1
WO05	A	0.00	21.10	78.90	3/19/92	7/15/92	72.8	1	137.9	1
WO03	A	0.00	10.80	85.70	3/19/92	7/15/92	91.2	1	182.9	1
MA01	B	0.00	6.96	93.04	4/25/87	4/29/00	107.4	2		
WO06	A	0.00	18.90	81.10	3/19/92	7/15/92	76.2	1	145.4	1
WO20	A	0.00	11.50	84.50	3/19/92	7/15/92	94.4	1	184.4	1
WO07	A	0.00	0.00	100.00	3/19/92	7/15/92	90.3	1	166.1	1
WO21	A	0.00	17.50	76.50	3/19/92	7/15/92	100.3	1	181.1	1
WO22	A	0.00	20.10	73.00	3/19/92	7/15/92	101.2	1	191.9	1
WO23	A	0.00	21.90	70.50	3/19/92	7/15/92	102.8	1	196.1	1
WO25	A	0.00	14.40	79.40	3/19/92	7/15/92	101.2	1	219.2	1
WO24	A	0.00	45.00	42.50	3/19/92	7/15/92	93.7	1	151.1	1
WO26	A	0.00	15.90	77.30	3/19/92	7/15/92	100.3	1	198.6	1
WO28	A	0.00	16.70	76.20	3/19/92	7/15/92	75.4	1	147.2	1
WO27	A	0.00	2.30	95.50	3/19/92	7/15/92	76.9	1	158.6	1
WO30	A	0.00	20.80	66.70	3/19/92	3/19/92	91.1	1		
WO29	A	0.00	61.50	23.10	3/19/92	7/15/92	75.4	1	105.4	1
RH51	B	100.00	0.00	0.00	4/25/87	4/29/00	-7.5	2		
RH48	B	84.08	0.00	15.92	4/25/87	4/24/00	42.5	2		
RH50	B	100.00	0.00	0.00	4/25/87	4/24/00	12.1	2		
RH49	B	70.06	0.00	29.94	4/26/87	4/24/00	62.5	2		
DR01	A	100.00	0.00	0.00	11/2/79	9/25/01	2.2	545	7.6	497
AB06	B	0.03	0.00	99.97	4/26/87	4/28/00	163.3	2		
AB07	B	19.19	0.00	80.81	4/26/87	4/28/00	133.8	2		

Table D-2. Continued.

Site ID [a]	GEO[b]	Silic.[c]	Gran.[d]	Basa.[e]	Min Date[f]	Max Date[g]	Cold ANC[h]	Cold n[i]	Warm ANC[j]	Warm n[k]
RH47	B	99.99	0.00	0.00	4/25/87	4/29/00	1.9	2		
MAD2	A	73.40	0.00	26.60	3/31/81	7/31/01	77.2	299	131.5	304
AU02	B	100.00	0.00	0.00	4/26/87	4/29/00	0.6	2		
VT36	A	100.00	0.00	0.00	8/16/87	7/31/01	-2.3	28	-0.2	29
MR01	A	100.00	0.00	0.00	3/12/92	8/28/93	-3.0	2	-0.6	2
MR17	A	100.00	0.00	0.00	3/12/92	11/1/94	-2.7	2	1.7	3
MR11	A	100.00	0.00	0.00	3/12/92	11/1/94	-5.2	2	-1.3	3
MR12	A	100.00	0.00	0.00	3/12/92	11/1/94	4.1	2	18.1	3
MR10	A	100.00	0.00	0.00	3/12/92	11/1/94	-4.4	2	-3.6	3
MR09	A	100.00	0.00	0.00	3/12/92	11/1/94	-4.4	2	0.0	3
MR16	A	100.00	0.00	0.00	3/12/92	11/1/94	4.9	2	28.6	3
MR18	A	100.00	0.00	0.00	3/12/92	11/1/94	-4.3	2	1.4	3
MR08	A	100.00	0.00	0.00	3/12/92	11/1/94	-6.6	2	-4.9	3
MR13	A	100.00	0.00	0.00	3/12/92	11/1/94	-2.2	2	7.0	3
MR06	A	100.00	0.00	0.00	3/12/92	11/1/94	-1.9	2	-1.4	3
MR07	A	100.00	0.00	0.00	3/12/92	11/1/94	-16.9	2	-10.8	3
MR15	A	100.00	0.00	0.00	3/12/92	11/1/94	6.6	2	25.0	3
MR05	A	100.00	0.00	0.00	3/12/92	8/28/93	1.6	2	5.8	2
MR14	A	100.00	0.00	0.00	3/12/92	11/1/94	3.3	2	21.1	3
MR04	A	100.00	0.00	0.00	3/12/92	11/1/94	-1.4	2	8.3	3
MR02	A	100.00	0.00	0.00	3/12/92	11/1/94	-0.6	2	3.1	3
MR03	A	100.00	0.00	0.00	3/12/92	11/1/94	3.2	2	13.1	3
AB09	B	59.99	0.00	39.08	4/28/87	4/26/00	58.3	2		
AB01	B	30.66	0.00	68.78	4/28/87	4/26/00	133.5	2		
AB08	B	23.99	0.00	76.01	4/24/87	4/26/00	171.2	2		
AB05	B	79.78	0.00	20.22	4/24/87	4/28/00	42.4	2		
AB04	B	17.22	0.00	82.78	4/29/87	4/28/00	85.5	2		
AB02	B	88.42	0.00	11.58	4/29/87	4/28/00	20.1	2		
RH52	B	100.00	0.00	0.00	4/25/87	4/29/00	9.2	2		
PAIN	A	100.00	0.00	0.00	8/14/87	9/25/01	1.9	446	7.8	355
PR02	A	100.00	0.00	0.00	3/8/92	10/6/94	2.3	3	10.5	4
PR03	A	100.00	0.00	0.00	3/8/92	10/6/94	0.6	3	6.2	4
PR06	A	100.00	0.00	0.00	3/8/92	10/6/94	2.1	3	6.6	4
PR04	A	100.00	0.00	0.00	3/8/92	10/6/94	2.0	3	4.1	4
PR07	A	100.00	0.00	0.00	3/8/92	10/6/94	1.1	3	4.1	4
PR08	A	100.00	0.00	0.00	3/8/92	10/6/94	1.7	3	9.4	4
PR05	A	100.00	0.00	0.00	3/8/92	10/6/94	-6.4	3	-5.1	4
PR12	A	100.00	0.00	0.00	3/8/92	10/6/94	1.4	3	11.7	4
PR11	A	100.00	0.00	0.00	3/8/92	10/6/94	2.3	3	11.3	4
PR09	A	100.00	0.00	0.00	3/8/92	10/6/94	-4.5	3	-1.8	4
PR15	A	100.00	0.00	0.00	3/8/92	4/9/94	1.4	3	2.8	2
PR16	A	100.00	0.00	0.00	3/8/92	4/9/94	0.6	3	2.0	2

Table D-2. Continued.

Site ID [a]	GEO[b]	Silic.[c]	Gran.[d]	Basa.[e]	Min Date[f]	Max Date[g]	Cold ANC[h]	Cold n[i]	Warm ANC[j]	Warm n[k]
PR10	A	100.00	0.00	0.00	3/8/92	4/9/94	0.6	3	1.9	1
PR38	A	100.00	0.00	0.00	3/8/92	4/9/94	5.1	3	15.8	2
PR19	A	100.00	0.00	0.00	3/8/92	4/9/94	0.6	3	5.3	3
PR24	A	100.00	0.00	0.00	3/8/92	10/6/94	1.1	3	5.9	4
PR18	A	100.00	0.00	0.00	3/8/92	10/6/94	4.8	3	10.7	4
PR13	A	100.00	0.00	0.00	3/8/92	4/9/94	3.6	3	6.9	1
PR21	A	100.00	0.00	0.00	3/8/92	10/6/94	-3.3	3	2.0	4
PR25	A	100.00	0.00	0.00	3/8/92	4/9/94	5.5	3	12.4	2
PR14	A	100.00	0.00	0.00	3/8/92	4/9/94	3.6	3	10.3	2
PR27	A	100.00	0.00	0.00	3/8/92	10/6/94	2.0	3	6.3	4
PR28	A	100.00	0.00	0.00	3/8/92	10/6/94	-3.6	3	2.2	4
PR17	A	100.00	0.00	0.00	3/8/92	10/6/94	3.7	3	14.3	4
PR29	A	100.00	0.00	0.00	3/8/92	10/6/94	1.1	3	8.2	4
PR30	A	100.00	0.00	0.00	3/8/92	10/6/94	-0.5	3	4.1	4
PR20	A	100.00	0.00	0.00	3/8/92	4/9/94	-1.1	3	4.8	3
PR32	A	100.00	0.00	0.00	3/8/92	10/6/94	0.3	3	5.5	4
PR31	A	100.00	0.00	0.00	3/8/92	10/6/94	5.0	3	19.0	4
PR26	A	100.00	0.00	0.00	3/8/92	4/9/94	1.4	3	5.8	3
PR33	A	100.00	0.00	0.00	3/8/92	10/6/94	3.0	3	10.1	4
PR36	A	100.00	0.00	0.00	3/8/92	10/6/94	-74.8	3	-40.4	4
PR34	A	100.00	0.00	0.00	3/8/92	10/6/94	3.3	3	7.0	4
PR35	A	100.00	0.00	0.00	3/8/92	10/6/94	3.5	3	9.9	4
AU12	B	81.00	0.00	19.00	4/26/87	4/26/87	8.0	1		
VT53	A	100.00	0.00	0.00	8/14/87	7/31/01	9.3	28	21.8	29
TM12	A	100.00	0.00	0.00	3/13/92	11/19/94	8.6	3	19.1	2
TM10	A	100.00	0.00	0.00	3/13/92	8/19/93	3.7	2	20.8	2
TM09	A	100.00	0.00	0.00	3/13/92	4/1/93	4.3	2		
TM07	A	100.00	0.00	0.00	3/13/92	8/19/93	-0.1	2	10.8	2
TM05	A	100.00	0.00	0.00	3/13/92	4/1/93	-0.2	2	8.7	1
TM04	A	100.00	0.00	0.00	3/13/92	4/1/93	-3.1	2	-3.1	1
TM03	A	100.00	0.00	0.00	3/13/92	4/1/93	5.8	2	11.9	1
TM02	A	100.00	0.00	0.00	3/13/92	4/1/93	-5.8	2	-16.4	1
WOR1	A	100.00	0.00	0.00	11/2/79	9/25/01	19.2	531	40.3	451
WR02	B	100.00	0.00	0.00	11/2/94	11/2/94			49.3	1
WR03	B	100.00	0.00	0.00	11/2/94	11/2/94			47.8	1
LUCK	B	100.00	0.00	0.00	3/29/86	6/20/95	11.3	223	29.8	193
WOR3	B	100.00	0.00	0.00	3/29/86	6/20/95	22.9	224	41.1	226
WR04	A	100.00	0.00	0.00	11/2/94	11/2/94			46.8	1
WR06	A	100.00	0.00	0.00	11/2/94	11/2/94			49.3	1
WR07	A	100.00	0.00	0.00	11/2/94	11/2/94			51.8	1
WR08	A	100.00	0.00	0.00	11/2/94	11/2/94			42.8	1
WR09	A	100.00	0.00	0.00	11/2/94	11/2/94			24.4	1

Table D-2. Continued.

Site ID [a]	GEO[b]	Silic.[c]	Gran.[d]	Basa.[e]	Min Date[f]	Max Date[g]	Cold ANC[h]	Cold n[i]	Warm ANC[j]	Warm n[k]
WR10	A	100.00	0.00	0.00	11/2/94	11/2/94			32.8	1

[a] Bold indicates primary sampling site.
[b] GEO = Source information for determination of watershed bedrock percentages.
A = Gathright (1976); manually digitized catchments based on 1:24,000-scale USGS topographic maps.
B = Sullivan et al. (2002); catchment areas determined based on 30-m DEM data.
[c] Silic. = Percentage of watershed area underlain by siliciclastic bedrock.
[d] Gran. = Percentage of watershed area underlain by granitic bedrock.
[e] Basa. = Percentage of watershed area underlain by basaltic bedrock..
[f] Min Date = First collection date in 1980-2001 water year period.
[g] Max Date = Last collection date in 1980-2001 water year period.
[h] Cold ANC = mean ANC for all samples collected between May 16 and November 15.
[i] Cold N = number of sample values included in COLD_ANC mean.
[j] Warm ANC = mean ANC for all samples collected between May 16 and November 15.
[k] Warm N = number of sample values included in WARM_ANC mean.